**Third Generation Partnership Project (3GPP™)**

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for  
TSG RAN WG4  
meeting: 98-e**

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## 1 Opening of the E-meeting

The Chairman Steven Chen (Apple) opened the meeting on RAN4 reflector on 25/01/2021.

**Intellectual Property Rights Policy**

The attention of the delegates to the meeting of this Technical Specification Group was drawn to the fact that 3GPP Individual Members have the obligation under the IPR Policies of their respective Organizational Partners to inform their respective Organizational Partners of Essential IPRs they become aware of.

The delegates were asked to take note that they were thereby invited:

- to investigate whether their organization or any other organization owns IPRs which were, or were likely to become Essential in respect of the work of 3GPP.

- to notify their respective Organizational Partners of all potential IPRs, e.g., for ETSI, by means of the IPR Information Statement and the Licensing declaration forms.

**Statement regarding competition law**

The attention of the delegates to the meeting was drawn to the fact that 3GPP activities were subject to all applicable antitrust and competition laws and that compliance with said laws was therefore required by any participant of the meeting, including the Chairman and Vice-Chairmen and were invited to seek any clarification needed with their legal counsel. The leadership would conduct the present meeting with impartiality and in the interests of 3GPP. Delegates were reminded that timely submission of work items in advance of TSG/WG meetings was important to allow for full and fair consideration of such matters.

**Meeting Arrangements**

The meeting was conducted on three parallel sessions; Main session, RRM session and BS RF Test Demod session. The Main session was chaired by RAN4 Chairman Steven Chen (Apple), RRM session was chaired by RAN4 Vice Chairman Andrey Chervyakov (Intel) and BS RF Test Demod session was chaired by RAN4 ViceChairman Haijie Qiu (Samsung). The sessions were further broken down into separate email threads to address specific technical topics lead by assigned discussion moderators. Webinar sessions were used to summarize progress, resolve controversial issues and decide way forward.

## 2 Approval of the agenda

**R4-2100001 Agenda for RAN4 #98-e**

*Type: agenda For: Approval  
 Source: RAN4 Chairman (Apple)*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100002 RAN4#98-e E-meeting Arrangements and Guidelines**

*Type: other For: Discussion  
 Source: RAN4 Chairman (Apple)*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100003 RAN4#97-e Meeting Report**

*Type: report For: Approval  
 Source: ETSI MCC*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

## 3 Letters / reports from other groups / meetings

**R4-2100004 Test methods for over-the-air TRP field measurements of unwanted emissions from IMT radio equipment utilizing active antennas**

*Type: LS in For: Information  
 Original outgoing LS: -, to -, cc -  
 Source: ITU Radiocommunication Study Groups Working Party 1C*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100005 LS on updated Rel-16 RAN1 UE features lists for LTE**

*Type: LS in For: Information  
 Original outgoing LS: R1-2009351, to RAN2, cc RAN4  
 Source: RAN1*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100006 Reply LS on definition of NR V2X con-current operation**

*Type: LS in For: Information  
 Original outgoing LS: R1-2009491, to RAN4, cc RAN2  
 Source: RAN1*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100007 LS reply on cell-grouping UE capability for synchronous NR-DC**

*Type: LS in For: Information  
 Original outgoing LS: R1-2009570, to RAN2, cc RAN4  
 Source: RAN1*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100008 Reply LS on DCI-based multiple BWP switch simultaneously**

*Type: LS in For: Information  
 Original outgoing LS: R1-2009575, to RAN4, cc -  
 Source: RAN1*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100009 Reply LS on UE capability xDD differentiation for SUL/SDL bands**

*Type: LS in For: Information  
 Original outgoing LS: R1-2009576, to RAN2, cc -  
 Source: RAN1*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100010 LS on updated Rel-16 RAN1 UE features lists for NR**

*Type: LS in For: Information  
 Original outgoing LS: R1-2009586, to RAN2, RAN4, cc -  
 Source: RAN1*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100011 Reply LS on UE capability for V2X**

*Type: LS in For: Information  
 Original outgoing LS: R1-2009635, to RAN2, cc RAN4  
 Source: RAN1*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100012 LS on uplink Tx switching**

*Type: LS in For: Information  
 Original outgoing LS: R1-2009676, to RAN2, cc RAN4  
 Source: RAN1*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100013 Reply LS on Clarification of UE behavior after receiving the MAC CE deactivation command for semi-persistent CSI reporting in NR-U**

*Type: LS in For: Information  
 Original outgoing LS: R1-2009689, to RAN4, cc -  
 Source: RAN1*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100014 LS on PUCCH and PUSCH repetition**

*Type: LS in For: Information  
 Original outgoing LS: R1-2009784, to RAN4, cc -  
 Source: RAN1*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100015 LS on temporary RS for efficient SCell activation in NR CA**

*Type: LS in For: Information  
 Original outgoing LS: R1-2009798, to RAN4, cc -  
 Source: RAN1*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100016 LS on Beam switching gaps for Multi-TRP UL transmission**

*Type: LS in For: Information  
 Original outgoing LS: R1-2009807, to RAN4, cc -  
 Source: RAN1*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100017 Reply LS on power control for NR-DC**

*Type: LS in For: Information  
 Original outgoing LS: R2-2011246, to RAN4, cc RAN1  
 Source: RAN2*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100018 LS on support of NUL and SUL during DAPS handover**

*Type: LS in For: Information  
 Original outgoing LS: R1-2009682, to RAN2, cc RAN4  
 Source: RAN1*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100019 Reply LS on IAB-MT feature list**

*Type: LS in For: Information  
 Original outgoing LS: R2-2011273, to RAN4, cc -  
 Source: RAN2*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100020 LS on ambiguity in deciding TL,C**

*Type: LS in For: Information  
 Original outgoing LS: R5-206676, to RAN4, cc -  
 Source: RAN5*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100021 LS on Frequency Bands for testing of A-GNSS Sensitivity requirements in NR and LTE**

*Type: LS in For: Information  
 Original outgoing LS: R5-206900, to RAN4, cc PTCRB, PVG, GCF CAG, CTIA OTA Working Group  
 Source: RAN5*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100022 Use of the 252-296 GHz frequency range by land-mobile service applications**

*Type: LS in For: Information  
 Original outgoing LS: -, to RAN4, cc -  
 Source: ITU-R WP 5A*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100023 LS on single UL operation**

*Type: LS in For: Information  
 Original outgoing LS: RP-202932, to RAN2. RAN4, cc -  
 Source: RAN*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100024 Reply LS to APT\_LS200918 = RP-202143 on Frequency Arrangements for IMT in the Band 470- 703 MHz**

*Type: LS in For: Information  
 Original outgoing LS: RP-202934, to Asia-Pacific Telecommunity (APT) Wireless Group, cc RAN4  
 Source: RAN*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100025 LS on BCS reporting and support for intra-band EN-DC band combinations**

*Type: LS in For: Information  
 Original outgoing LS: RP-202935, to RAN2, RAN4, cc -  
 Source: RAN*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100026 LS on Use of Inclusive Language in 3GPP**

*Type: LS in For: Information  
 Original outgoing LS: SP-201143, to RAN4, cc -  
 Source: SA*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100027 LS on OTA LTE UE TRP and TRS Requirements**

*Type: LS in For: Information  
 Original outgoing LS: -, to RAN, GCF Steering Group (SG), GSMA, NGMN, PTCRB, CTIA, cc RAN5, RAN4, GCF Conformance Agreement Group (CAG), GCF Performance Agreement Group (PAG), GSMA Terminal Steering Group (TSG), GSMA Networks Group (NG)  
 Source: MSG TFES*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100028 Reply LS on questions to RAN WGs on dual Radio UE (2Rx/2Tx or 2Rx/1Tx) support for simultaneous communication with both SNPN and PLMN**

*Type: other For: Information  
 Source: RAN2*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

## 4 Rel-15 New radio access technology

### 4.1 System Parameters Maintenance [NR\_newRAT-Core]

**R4-2102197 CR to TS38.101-1: Correction on the Aggregated Channel Bandwidth**

*Type: CR For: Agreement  
 38.101-1 v15.12.0 CR-0675 Cat: F (Rel-15)  
  
 Source: ZTE Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102198 CR to TS38.101-1: Correction on the Aggregated Channel Bandwidth**

*Type: CR For: Agreement  
 38.101-1 v16.6.0 CR-0676 Cat: A (Rel-16)  
  
 Source: ZTE Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102199 CR to TS38.101-1: Correction on the Aggregated Channel Bandwidth**

*Type: CR For: Agreement  
 38.101-1 v17.0.0 CR-0677 Cat: A (Rel-17)  
  
 Source: ZTE Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102200 CR to TS38.104: Correction on the Aggregated Channel Bandwidth**

*Type: CR For: Agreement  
 38.104 v15.12.0 CR-0292 Cat: F (Rel-15)  
  
 Source: ZTE Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102201 CR to TS38.104: Correction on the Aggregated Channel Bandwidth**

*Type: CR For: Agreement  
 38.104 v16.6.0 CR-0293 Cat: A (Rel-16)  
  
 Source: ZTE Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102202 CR to TS38.104: Correction on the Aggregated Channel Bandwidth**

*Type: CR For: Agreement  
 38.104 v17.0.0 CR-0294 Cat: A (Rel-17)  
  
 Source: ZTE Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

### 4.2 UE RF requirements maintenance [NR\_newRAT]

#### 4.2.1 [FR1] Maintenance for 38.101-1 [NR\_newRAT-Core]

**R4-2100138 Reply LS on ambiguity in deciding TL,C**

*Type: other For: Approval  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100139 CR REL15 on ambiguity in deciding TL,C**

*Type: CR For: Agreement  
 38.101-1 v15.12.0 CR-0595 Cat: F (Rel-15)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100140 CR REL16 on ambiguity in deciding TL,C**

*Type: CR For: Agreement  
 38.101-1 v16.6.0 CR-0596 Cat: A (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100141 CR REL17 on ambiguity in deciding TL,C**

*Type: CR For: Agreement  
 38.101-1 v17.0.0 CR-0597 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100164 IBE\_mask\_almost\_contiguous\_CR\_rel15**

*Type: CR For: Agreement  
 38.101-1 v15.12.0 CR-0602 Cat: F (Rel-15)  
  
 Source: Qualcomm Incorporated*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100165 IBE\_mask\_almost\_contiguous\_CR\_rel16-mirror**

*Type: CR For: Agreement  
 38.101-1 v16.6.0 CR-0603 Cat: A (Rel-16)  
  
 Source: Qualcomm Incorporated*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100392 CR for TS38 101-1 Rel-15 Correction for definition of P-MPR**

*Type: CR For: Agreement  
 38.101-1 v15.12.0 CR-0610 Cat: F (Rel-15)  
  
 Source: CATT*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100393 CR for TS38 101-1 Rel-16 Correction for definition of P-MPR**

*Type: CR For: Agreement  
 38.101-1 v16.6.0 CR-0611 Cat: A (Rel-16)  
  
 Source: CATT*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100394 CR for TS38 101-1 Rel-17 Correction for definition of P-MPR**

*Type: CR For: Agreement  
 38.101-1 v17.0.0 CR-0612 Cat: A (Rel-17)  
  
 Source: CATT*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100395 CR for TS38 101-1 Rel-16 Correction of condition for MPR and delta MPR**

*Type: CR For: Agreement  
 38.101-1 v16.6.0 CR-0613 Cat: F (Rel-16)  
  
 Source: CATT*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100396 CR for TS38 101-1 Rel-17 Correction of condition for MPR and delta MPR**

*Type: CR For: Agreement  
 38.101-1 v17.0.0 CR-0614 Cat: A (Rel-17)  
  
 Source: CATT*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100524 On simultaneous TxRx for NR-DC**

*Type: discussion For: Discussion  
 Source: Apple Inc.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101005 On applicability of additional emission requirement to CA/DC**

*Type: other For: Approval  
 38.101-1 v..  
 Source: SoftBank Corp.*

**Abstract:**

This contribution is intended to propose how to handle additional emission requirements in CA/DC context. Note that a part of proposals is related to 38.101-3

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101174 IBE mask for almost contiguous allocations**

*Type: other For: Approval  
 Source: Qualcomm Incorporated*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101713 Correction to applicability of simultaneous RX/TX**

*Type: CR For: Agreement  
 38.101-1 v15.12.0 CR-0643 Cat: F (Rel-15)  
  
 Source: Ericsson*

**Abstract:**

CR to correct the applicability of simultaneous RxTx for inter-band CA

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101714 Correction to applicability of simultaneous RX/TX**

*Type: CR For: Agreement  
 38.101-1 v16.6.0 CR-0644 Cat: A (Rel-16)  
  
 Source: Ericsson*

**Abstract:**

CR to correct the applicability of simultaneous RxTx for inter-band CA

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101715 Correction to the lower limit of Pumax**

*Type: CR For: Agreement  
 38.101-1 v15.12.0 CR-0645 Cat: F (Rel-15)  
  
 Source: Ericsson*

**Abstract:**

CR to correct the lower limit (tolerance) of Pumax

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101716 Correction to the lower limit of Pumax**

*Type: CR For: Agreement  
 38.101-1 v16.6.0 CR-0646 Cat: A (Rel-16)  
  
 Source: Ericsson*

**Abstract:**

CR to correct the lower limit (tolerance) of Pumax

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101717 Draft Reply LS on ambiguity in deciding TL,C**

*Type: LS out For: Approval  
 to RAN5  
 Source: Ericsson*

**Abstract:**

Draft Reply LS to RAN5 with proposals to modify the lower limit of the Pumax

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101743 CR on simultaneous Tx-Rx for CA and SUL**

*Type: CR For: Agreement  
 38.101-1 v15.12.0 CR-0649 Cat: F (Rel-15)  
  
 Source: OPPO*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101744 CR on simultaneous Tx-Rx for CA and SUL (R16 mirror CR)**

*Type: CR For: Agreement  
 38.101-1 v16.6.0 CR-0650 Cat: A (Rel-16)  
  
 Source: OPPO*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101745 CR on simultaneous Tx-Rx for CA and SUL (R17 mirror CR)**

*Type: CR For: Agreement  
 38.101-1 v17.0.0 CR-0651 Cat: A (Rel-17)  
  
 Source: OPPO*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101811 Discussion and reply draft LS on ambiguity in deciding TL,C**

*Type: other For: Approval  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101947 Simplification of n70**

*Type: CR For: Agreement  
 38.101-1 v15.12.0 CR-0661 Cat: F (Rel-15)  
  
 Source: Dish Network*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101988 Simplification of n70**

*Type: CR For: Agreement  
 38.101-1 v16.6.0 CR-0664 Cat: A (Rel-16)  
  
 Source: Dish Network*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101989 CR for 38.307 to delete the redundant information "duplex mode" for band combinations(Rel-15)**

*Type: CR For: Agreement  
 38.307 v15.7.0 CR-0052 Cat: F (Rel-15)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101990 CR for 38.307 to delete the redundant information "duplex mode" for band combinations(Rel-16)**

*Type: CR For: Agreement  
 38.307 v16.5.0 CR-0053 Cat: A (Rel-16)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101991 CR for 38.307 to delete the redundant information "duplex mode" for band combinations(Rel-17)**

*Type: CR For: Agreement  
 38.307 v17.0.0 CR-0054 Cat: A (Rel-17)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101992 Simplification of n70**

*Type: CR For: Agreement  
 38.101-1 v17.0.0 CR-0665 Cat: A (Rel-17)  
  
 Source: Dish Network*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102091 Improvement of UL RMC tables**

*Type: discussion For: Approval  
 Source: Rohde & Schwarz*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102143 CR to TS38.101-1: Correction on applicability of minimum requirements**

*Type: CR For: Agreement  
 38.101-1 v15.12.0 CR-0667 Cat: F (Rel-15)  
  
 Source: ZTE Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **withdrawn**.

**R4-2102194 CR to TS38.101-1: Correction on applicability of minimum requirements**

*Type: CR For: Agreement  
 38.101-1 v15.12.0 CR-0672 Cat: F (Rel-15)  
  
 Source: ZTE Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102195 CR to TS38.101-1: Correction on applicability of minimum requirements**

*Type: CR For: Agreement  
 38.101-1 v16.6.0 CR-0673 Cat: A (Rel-16)  
  
 Source: ZTE Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102196 CR to TS38.101-1: Correction on applicability of minimum requirements**

*Type: CR For: Agreement  
 38.101-1 v17.0.0 CR-0674 Cat: A (Rel-17)  
  
 Source: ZTE Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102376 CR for TS 38.101-1 correction CR for simultaneous TxRx operation (R15)**

*Type: CR For: Agreement  
 38.101-1 v15.12.0 CR-0682 Cat: F (Rel-15)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102377 CR for TS 38.101-1: correction CR for simultaneous Tx/Rx operation (R16)**

*Type: CR For: Agreement  
 38.101-1 v16.6.0 CR-0683 Cat: A (Rel-16)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102510 IBE requirement for almost contiguous allocations**

*Type: CR For: Agreement  
 38.101-1 v17.0.0 CR-0693 Cat: A (Rel-17)  
  
 Source: Qualcomm Incorporated*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102595 CR for TS 38.101-1: Cleanup for spurious emissions for UE co-existence table**

*Type: CR For: Agreement  
 38.101-1 v15.12.0 CR-0696 Cat: F (Rel-15)  
  
 Source: Apple*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102597 CR for TS 38.101-1: Correction to FR1 time mask for SRS antenna switching**

*Type: CR For: Agreement  
 38.101-1 v15.12.0 CR-0697 Cat: F (Rel-15)  
  
 Source: Apple*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102598 CR for TS 38.101-1: Correction to FR1 time mask for SRS antenna switching**

*Type: CR For: Agreement  
 38.101-1 v16.6.0 CR-0698 Cat: A (Rel-16)  
  
 Source: Apple*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102599 CR for TS 38.101-1: Correction to FR1 time mask for SRS antenna switching**

*Type: CR For: Agreement  
 38.101-1 v17.0.0 CR-0699 Cat: A (Rel-17)  
  
 Source: Apple*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102658 CR to 38.101-1: UL MIMO requirements update**

*Type: CR For: Agreement  
 38.101-1 v15.12.0 CR-0705 Cat: F (Rel-15)  
  
 Source: Qualcomm Incorporated, Lenovo, Motorola Mobility*

**Abstract:**

Make 2L EVM requirement consistent with RAN1

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102659 CR to 38.101-1: UL MIMO requirements update**

*Type: CR For: Agreement  
 38.101-1 v16.6.0 CR-0706 Cat: A (Rel-16)  
  
 Source: Qualcomm Incorporated, Lenovo, Motorola Mobility*

**Abstract:**

Make 2L EVM requirement consistent with RAN1

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102660 CR to 38.101-1: UL MIMO requirements update**

*Type: CR For: Agreement  
 38.101-1 v17.0.0 CR-0707 Cat: A (Rel-17)  
  
 Source: Qualcomm Incorporated, Lenovo, Motorola Mobility*

**Abstract:**

Make 2L EVM requirement consistent with RAN1

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102661 On FR1 2L UL EVM Requirement**

*Type: discussion For: Agreement  
 Source: Qualcomm Incorporated, Lenovo, Motorola Mobility*

**Abstract:**

2L EVM calculation detail, impact to other tests in transmit modulation quality section

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102703 CR for TS 38.101-1: correction CR for simultaneous Tx/Rx operation (R17)**

*Type: CR For: Agreement  
 38.101-1 v17.0.0 CR-0712 Cat: A (Rel-17)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

#### 4.2.2 [FR2] Maintenance for 38.101-2 [NR\_newRAT-Core]

**R4-2100085 Clarification on NS\_203 support by n258**

*Type: CR For: Agreement  
 38.101-2 v15.12.0 CR-0313 Cat: F (Rel-15)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Abstract:**

Clarification on NS\_203 support by n258

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100086 Clarification on NS\_203 support by n258**

*Type: CR For: Agreement  
 38.101-2 v16.6.0 CR-0314 Cat: A (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100087 Clarification on NS\_203 support by n258**

*Type: CR For: Agreement  
 38.101-2 v17.0.0 CR-0315 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100109 On NS\_203/CA\_NS\_203 for n258**

*Type: other For: Approval  
 Source: Nokia, Nokia Shanghai Bell*

**Abstract:**

This contribution discusses necessity of explicitly describing this information in the specification.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100586 P\_min correction and P\_cmax CA correction to apply from all cells**

*Type: CR For: Agreement  
 38.101-2 v15.12.0 CR-0320 Cat: F (Rel-15)  
  
 Source: Qualcomm Incorporated*

**Abstract:**

Change "each cell" to "all cells" since pcmax is calculated based on all simultaneous grants from all allocated CC's.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100587 P\_min correction and P\_cmax CA correction to apply from all cells**

*Type: CR For: Agreement  
 38.101-2 v16.6.0 CR-0321 Cat: A (Rel-16)  
  
 Source: Qualcomm Incorporated*

**Abstract:**

Change "each cell" to "all cells" since pcmax is calculated based on all simultaneous grants from all allocated CC's.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100588 P\_min correction and P\_cmax CA correction to apply from all cells**

*Type: CR For: Agreement  
 38.101-2 v17.0.0 CR-0322 Cat: A (Rel-17)  
  
 Source: Qualcomm Incorporated*

**Abstract:**

Change "each cell" to "all cells" since pcmax is calculated based on all simultaneous grants from all allocated CC's.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101201 Further discussion on EESS protection**

*Type: other For: Approval  
 Source: NTT DOCOMO INC.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101523 Discussion on WRC-19 remaining issues**

*Type: discussion For: Approval  
 Source: OPPO*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101738 Discussion on FR2 equal PSD in CA and draft LS**

*Type: discussion For: Approval  
 Source: OPPO*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101739 CR on FR2 equal PSD in UL CA**

*Type: CR For: Agreement  
 38.101-2 v15.12.0 CR-0329 Cat: F (Rel-15)  
  
 Source: OPPO*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101740 CR on FR2 equal PSD in UL CA (R16 mirror CR)**

*Type: CR For: Agreement  
 38.101-2 v16.6.0 CR-0330 Cat: A (Rel-16)  
  
 Source: OPPO*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101741 CR on FR2 equal PSD in UL CA (R17 mirror CR)**

*Type: CR For: Agreement  
 38.101-2 v17.0.0 CR-0331 Cat: A (Rel-17)  
  
 Source: OPPO*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102662 Discussion on FR2 UE Min. Output Power Requirement**

*Type: discussion For: Agreement  
 Source: Qualcomm Finland RFFE Oy*

**Abstract:**

Establish consistency in Pmin specs across single CC, CA and UL MIMO configurations

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102663 Completion of beam correspondence requirements for all power classes**

*Type: discussion For: Agreement  
 Source: Qualcomm Finland RFFE Oy*

**Abstract:**

The beam correspondence requirement for partial beam correspondence UEs (‘bit 0 UE’) was completed for PC3 UEs as part of Rel-15 work. We propose completing the requirement by addressing the other power classes

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102664 CR to 38.101-2 on beam correspondence**

*Type: CR For: Agreement  
 38.101-2 v15.12.0 CR-0335 Cat: F (Rel-15)  
  
 Source: Qualcomm, Nokia, Nokia Shanghai Bell, Samsung, Verizon, NTT Docomo, Sony, Ericsson*

**Abstract:**

Completion of missing requirements

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102665 CR to 38.101-2 on beam correspondence**

*Type: CR For: Agreement  
 38.101-2 v16.6.0 CR-0336 Cat: A (Rel-16)  
  
 Source: Qualcomm, Nokia, Nokia Shanghai Bell, Samsung, Verizon, NTT Docomo, Sony, Ericsson*

**Abstract:**

Completion of missing requirements

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102666 CR to 38.101-2 on beam correspondence**

*Type: CR For: Agreement  
 38.101-2 v17.0.0 CR-0337 Cat: A (Rel-17)  
  
 Source: Qualcomm, Nokia, Nokia Shanghai Bell, Samsung, Verizon, NTT Docomo, Sony, Ericsson*

**Abstract:**

Completion of missing requirements

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102677 Frequency separation class clarification**

*Type: CR For: Agreement  
 38.101-2 v16.6.0 CR-0341 Cat: F (Rel-16)  
  
 Source: Ericsson*

**Abstract:**

This paper is an alignement with the Freq separation class signalling in TS38.331

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102678 Frequency separation class clarification**

*Type: CR For: Agreement  
 38.101-2 v17.0.0 CR-0342 Cat: A (Rel-17)  
  
 Source: Ericsson*

**Abstract:**

This paper is an alignement with the Freq separation class signalling in TS38.331

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102716 CR on FR2 intra-band UL CA**

*Type: CR For: Agreement  
 38.101-2 v15.12.0 CR-0343 Cat: F (Rel-15)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102815 CR on FR2 intra-band UL CA**

*Type: CR For: Agreement  
 38.101-2 v16.6.0 CR-0345 Cat: A (Rel-16)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102924 Discussion on FR2 UE Min. Output Power Requirement**

*Type: discussion For: Agreement  
 Source: Qualcomm Incorporated*

**Abstract:**

Establish consistency in Pmin specs across single CC, CA and UL MIMO configurations

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102925 Completion of beam correspondence requirements for all power classes**

*Type: discussion For: Agreement  
 Source: Qualcomm Incorporated*

**Abstract:**

The beam correspondence requirement for partial beam correspondence UEs (‘bit 0 UE’) was completed for PC3 UEs as part of Rel-15 work. We propose completing the requirement by addressing the other power classes

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

#### 4.2.3 Maintenance for 38.101-3 [NR\_newRAT-Core]

**R4-2101111 Discussion and reply draft LS on BCS reporting and support for intra-band EN-DC band combinations**

*Type: discussion For: Approval  
 Source: Xiaomi*

**Discussion:**

[report of discussion]

**Decision:** The document was **revised to R4-2102937**.

**R4-2101143 Discussion on the reply to LS on BCS for intra-band EN-DC band combinations**

*Type: discussion For: Discussion  
 Source: MediaTek inc.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101144 Discussion on the reply to LS on single UL operation**

*Type: discussion For: Discussion  
 Source: MediaTek inc.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101718 Correction to applicability of simultaneous RX/TX and single-UL transmission**

*Type: CR For: Agreement  
 38.101-3 v15.12.0 CR-0461 Cat: F (Rel-15)  
  
 Source: Ericsson*

**Abstract:**

CR to correct the applicability of simultaneous RxTx for inter-band EN-DC and single-UL

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101719 Correction to applicability of simultaneous RX/TX and single-UL transmission**

*Type: CR For: Agreement  
 38.101-3 v16.6.0 CR-0462 Cat: A (Rel-16)  
  
 Source: Ericsson*

**Abstract:**

CR to correct the applicability of simultaneous RxTx for inter-band EN-DC and single-UL

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101742 Discussion on simultaneous Tx-Rx**

*Type: discussion For: Approval  
 Source: OPPO*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101746 CR on simultaneous Tx-Rx for EN-DC**

*Type: CR For: Agreement  
 38.101-3 v15.12.0 CR-0464 Cat: F (Rel-15)  
  
 Source: OPPO*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101747 CR on simultaneous Tx-Rx for EN-DC (R16 CR)**

*Type: CR For: Agreement  
 38.101-3 v16.6.0 CR-0465 Cat: F (Rel-16)  
  
 Source: OPPO*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101748 CR on simultaneous Tx-Rx for EN-DC (R17 mirror CR)**

*Type: CR For: Agreement  
 38.101-3 v17.0.0 CR-0466 Cat: A (Rel-17)  
  
 Source: OPPO*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101750 Discussion on BCS for intra-band EN-DC and draft reply LS**

*Type: discussion For: Approval  
 Source: OPPO*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101853 Draft reply LS on on BCS reporting and support for intra-band EN-DC band combinations**

*Type: LS out For: Approval  
 to RAN2, cc RANP  
 Source: ZTE Wistron Telecom AB*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102094 CR for 38.101-3 to introduce a new MSD due to the counter intermodulation interference(Rel-15)**

*Type: CR For: Agreement  
 38.101-3 v15.12.0 CR-0474 Cat: F (Rel-15)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102095 CR for 38.101-3 to introduce a new MSD due to the counter intermodulation interference(Rel-16)**

*Type: CR For: Agreement  
 38.101-3 v16.6.0 CR-0475 Cat: A (Rel-16)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102096 CR for 38.101-3 to introduce a new MSD due to the counter intermodulation interference(Rel-17)**

*Type: CR For: Agreement  
 38.101-3 v17.0.0 CR-0476 Cat: A (Rel-17)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102375 Further consideration on simultaneous RxTx UE capability**

*Type: other For: Approval  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102378 CR for TS 38.101-3 correction CR for simultaneous TxRx operation (R15)**

*Type: CR For: Agreement  
 38.101-1 v15.12.0 CR-0684 Cat: F (Rel-15)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102379 CR for TS 38.101-3: correction CR for simultaneous Tx/Rx operation (R16)**

*Type: CR For: Agreement  
 38.101-3 v16.6.0 CR-0481 Cat: A (Rel-16)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102504 BCS reporting and support for intra-band EN-DC band combination**

*Type: discussion For: (not specified)  
 Source: Qualcomm Incorporated*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102505 CR for 38.101-3 on applicability of minimum requirements for EN-DC (Rel-15)**

*Type: CR For: Agreement  
 38.101-3 v15.12.0 CR-0489 Cat: F (Rel-15)  
  
 Source: Qualcomm Incorporated*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102506 CR for 38.101-3 on applicability of minimum requirements for EN-DC (Rel-16)**

*Type: CR For: Agreement  
 38.101-3 v16.6.0 CR-0490 Cat: A (Rel-16)  
  
 Source: Qualcomm Incorporated*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102507 CR for 38.101-3 on applicability of minimum requirements for EN-DC (Rel-17)**

*Type: CR For: Agreement  
 38.101-3 v17.0.0 CR-0491 Cat: A (Rel-17)  
  
 Source: Qualcomm Incorporated*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102559 Clarification of intra-bandENDC-Support**

*Type: other For: Approval  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102593 CR for bug fixing of band combination tables for 38101-3 Rel17**

*Type: CR For: Agreement  
 38.101-3 v17.0.0 CR-0492 Cat: F (Rel-17)  
  
 Source: Apple*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102594 CR for bug fixing of band combination tables for 38101-3 Rel16**

*Type: CR For: Agreement  
 38.101-3 v16.6.0 CR-0493 Cat: F (Rel-16)  
  
 Source: Apple*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102628 on UE capability for intra-band ENDC**

*Type: other For: Approval  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102717 CR for TS 38.101-3: correction CR for simultaneous Tx/Rx operation (R17)**

*Type: CR For: Agreement  
 38.101-3 v17.0.0 CR-0494 Cat: A (Rel-17)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102937 Discussion and reply draft LS on BCS reporting and support for intra-band EN-DC band combinations**

*Type: discussion For: Approval  
 Source: Xiaomi*

(Replaces R4-2101111)

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

### 4.3 UE EMC requirements maintenance [NR\_newRAT-Core]

**R4-2100890 CR to TS38.124 on radiated emissions**

*Type: CR For: Agreement  
 38.124 v15.4.0 CR-0029 Cat: F (Rel-15)  
  
 Source: Samsung*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100891 CR to TS38.124 on radiated emissions**

*Type: CR For: Agreement  
 38.124 v16.1.0 CR-0030 Cat: A (Rel-16)  
  
 Source: Samsung*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101872 on FR2 UE EMC requirement**

*Type: discussion For: (not specified)  
 Source: Xiaomi*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102398 CR for TS 38.124: Correction of FR1 radiated spurious emissions (R15)**

*Type: CR For: Agreement  
 38.124 v15.4.0 CR-0031 Cat: F (Rel-15)  
  
 Source: Huawei, HiSilicon, Bureau Veritas*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102399 CR for TS 38.124: Correction of FR1 radiated spurious emissions (R16)**

*Type: CR For: Agreement  
 38.124 v16.1.0 CR-0032 Cat: A (Rel-16)  
  
 Source: Huawei, HiSilicon, Bureau Veritas*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102576 CR to TS 38.124: correction of the lower frequency range of the RSE, Rel-15**

*Type: CR For: Agreement  
 38.124 v15.4.0 CR-0033 Cat: F (Rel-15)  
  
 Source: Huawei*

**Abstract:**

Lower spurious range limit for RSE is corrected to 30 MHz, to align with SM.329 and other UE EMC specifications.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102577 CR to TS 38.124: correction of the lower frequency range of the RSE, Rel-16**

*Type: CR For: Agreement  
 38.124 v16.1.0 CR-0034 Cat: A (Rel-16)  
  
 Source: Huawei*

**Abstract:**

Lower spurious range limit for RSE is corrected to 30 MHz, to align with SM.329 and other UE EMC specifications.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

### 4.4 BS RF requirements maintenance [NR\_newRAT-Core]

#### 4.4.1 General [NR\_newRAT-Core]

**R4-2101016 Support of Japan regulation for 2.5GHz(BWA) in NR BS**

*Type: other For: Information  
 Source: SoftBank Corp., KDDI Corporation, NEC Corporation*

**Abstract:**

This paper provides background info for the proposals to support n41/n90 in BS for Japan.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102844 CR to 37.105 on NR+UTRA support for AAS**

*Type: CR For: Agreement  
 37.105 v15.11.0 CR-0224 Cat: F (Rel-15)  
  
 Source: Ericsson*

**Abstract:**

Presently, it is not explicitly explained in TS 37.105 what RATs and RAT combinations that are not supported by AAS BS. This is clarified by the CR.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102845 CR to 37.105 on NR+UTRA support for AAS**

*Type: CR For: Agreement  
 37.105 v16.6.0 CR-0225 Cat: A (Rel-16)  
  
 Source: Ericsson*

**Abstract:**

Presently, it is not explicitly explained in TS 37.105 what RATs and RAT combinations that are not supported by AAS BS. This is clarified by the CR.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102846 CR to 37.105 on NR+UTRA support for AAS**

*Type: CR For: Agreement  
 37.105 v17.0.0 CR-0226 Cat: A (Rel-17)  
  
 Source: Ericsson*

**Abstract:**

Presently, it is not explicitly explained in TS 37.105 what RATs and RAT combinations that are not supported by AAS BS. This is clarified by the CR.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

#### 4.4.2 TX/RX requirements maintenance (38.104) [NR\_newRAT-Core]

**R4-2101088 CR to TS 38.104: Additions of regional requirements for n41 in Japan, Rel-15**

*Type: CR For: Agreement  
 38.104 v15.12.0 CR-0271 Cat: F (Rel-15)  
  
 Source: NEC, SoftBank, KDDI*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101089 CR to TS 38.104: Additions of regional requirements for n41 and n90 in Japan, Rel-16**

*Type: CR For: Agreement  
 38.104 v16.6.0 CR-0272 Cat: F (Rel-16)  
  
 Source: NEC, SoftBank, KDDI*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101090 CR to TS 38.104: Additions of regional requirements for n41 and n90 in Japan, Rel-17**

*Type: CR For: Agreement  
 38.104 v17.0.0 CR-0273 Cat: A (Rel-17)  
  
 Source: NEC, SoftBank, KDDI*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101994 CR to TS 38.104: EESS protection requirement correction**

*Type: CR For: Agreement  
 38.104 v15.12.0 CR-0287 Cat: F (Rel-15)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101995 CR to TS 38.104: EESS protection requirement correction**

*Type: CR For: Agreement  
 38.104 v16.6.0 CR-0288 Cat: A (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101996 CR to TS 38.104: EESS protection requirement correction**

*Type: CR For: Agreement  
 38.104 v17.0.0 CR-0289 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

#### 4.4.3 MSR specifications maintenance [NR\_newRAT-Core/Perf]

**R4-2102441 CR to 37.141: Correction to ACLR limit in non-contiguous spectrum (Rel-15)**

*Type: CR For: Agreement  
 37.141 v15.13.0 CR-0961 Cat: F (Rel-15)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102442 CR to 37.141: Correction to ACLR limit in non-contiguous spectrum (Rel-16)**

*Type: CR For: Agreement  
 37.141 v16.8.0 CR-0962 Cat: A (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102443 CR to 37.141: Correction to ACLR limit in non-contiguous spectrum (Rel-17)**

*Type: CR For: Agreement  
 37.141 v17.0.0 CR-0963 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102841 CR to 37.145-1 on Removal of additional limit for Band 7**

*Type: CR For: Agreement  
 37.145-1 v15.8.0 CR-0248 Cat: F (Rel-15)  
  
 Source: Ericsson*

**Abstract:**

In CRs to RAN4#97-E, additional limits for Bands 1 and 7 were removed, triggered by an LS from ETSI TFES. Limits for Band 7 however remain in TS 37.145-1. Those are removed with this CR to ensure that all specifications are aligned.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102842 CR to 37.145-1 on Removal of additional limit for Band 7**

*Type: CR For: Agreement  
 37.145-1 v16.5.0 CR-0249 Cat: A (Rel-16)  
  
 Source: Ericsson*

**Abstract:**

In CRs to RAN4#97-E, additional limits for Bands 1 and 7 were removed, triggered by an LS from ETSI TFES. Limits for Band 7 however remain in TS 37.145-1. Those are removed with this CR to ensure that all specifications are aligned.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102843 CR to 37.145-1 on Removal of additional limit for Band 7**

*Type: CR For: Agreement  
 37.145-1 v17.0.0 CR-0250 Cat: A (Rel-17)  
  
 Source: Ericsson*

**Abstract:**

In CRs to RAN4#97-E, additional limits for Bands 1 and 7 were removed, triggered by an LS from ETSI TFES. Limits for Band 7 however remain in TS 37.145-1. Those are removed with this CR to ensure that all specifications are aligned.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102847 CR to 37.104 on OBUE table headings and applicability**

*Type: CR For: Agreement  
 37.104 v15.12.0 CR-0934 Cat: F (Rel-15)  
  
 Source: Ericsson*

**Abstract:**

The OBUE applicability tables headings are ambiguous, and sometimes not complete or fully aligned with the intended applicability. The CR corrects the headings to align.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102848 CR to 37.104 on OBUE table headings and applicability**

*Type: CR For: Agreement  
 37.104 v16.8.0 CR-0935 Cat: A (Rel-16)  
  
 Source: Ericsson*

**Abstract:**

The OBUE applicability tables headings are ambiguous, and sometimes not cmoplete or fully aligned with the intended applicability. The CR corrects the headings to align.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102849 CR to 37.104 on OBUE table headings and applicability**

*Type: CR For: Agreement  
 37.104 v17.0.0 CR-0936 Cat: A (Rel-17)  
  
 Source: Ericsson*

**Abstract:**

The OBUE applicability tables headings are ambiguous, and sometimes not cmoplete or fully aligned with the intended applicability. The CR corrects the headings to align.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102850 CR to 37.141 on OBUE table headings and applicability**

*Type: CR For: Agreement  
 37.141 v15.13.0 CR-0973 Cat: F (Rel-15)  
  
 Source: Ericsson*

**Abstract:**

The OBUE applicability tables headings are ambiguous, and sometimes not cmoplete or fully aligned with the intended applicability. The CR corrects the headings to align.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102851 CR to 37.141 on OBUE table headings and applicability**

*Type: CR For: Agreement  
 37.141 v16.8.0 CR-0974 Cat: A (Rel-16)  
  
 Source: Ericsson*

**Abstract:**

The OBUE applicability tables headings are ambiguous, and sometimes not cmoplete or fully aligned with the intended applicability. The CR corrects the headings to align.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102852 CR to 37.141 on OBUE table headings and applicability**

*Type: CR For: Agreement  
 37.141 v17.0.0 CR-0975 Cat: A (Rel-17)  
  
 Source: Ericsson*

**Abstract:**

The OBUE applicability tables headings are ambiguous, and sometimes not cmoplete or fully aligned with the intended applicability. The CR corrects the headings to align.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102853 CR to 37.105 on OBUE table headings and applicability**

*Type: CR For: Agreement  
 37.105 v15.11.0 CR-0227 Cat: F (Rel-15)  
  
 Source: Ericsson*

**Abstract:**

The OBUE applicability tables headings are ambiguous, and sometimes not cmoplete or fully aligned with the intended applicability. The CR corrects the headings to align.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102854 CR to 37.105 on OBUE table headings and applicability**

*Type: CR For: Agreement  
 37.105 v16.6.0 CR-0228 Cat: A (Rel-16)  
  
 Source: Ericsson*

**Abstract:**

The OBUE applicability tables headings are ambiguous, and sometimes not cmoplete or fully aligned with the intended applicability. The CR corrects the headings to align.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102855 CR to 37.105 on OBUE table headings and applicability**

*Type: CR For: Agreement  
 37.105 v17.0.0 CR-0229 Cat: A (Rel-17)  
  
 Source: Ericsson*

**Abstract:**

The OBUE applicability tables headings are ambiguous, and sometimes not cmoplete or fully aligned with the intended applicability. The CR corrects the headings to align.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102856 CR to 37.145-1 on OBUE table headings and applicability**

*Type: CR For: Agreement  
 37.145-1 v15.8.0 CR-0251 Cat: F (Rel-15)  
  
 Source: Ericsson*

**Abstract:**

The OBUE applicability tables headings are ambiguous, and sometimes not cmoplete or fully aligned with the intended applicability. The CR corrects the headings to align.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102857 CR to 37.145-1 on OBUE table headings and applicability**

*Type: CR For: Agreement  
 37.145-1 v16.5.0 CR-0252 Cat: A (Rel-16)  
  
 Source: Ericsson*

**Abstract:**

The OBUE applicability tables headings are ambiguous, and sometimes not cmoplete or fully aligned with the intended applicability. The CR corrects the headings to align.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102858 CR to 37.145-1 on OBUE table headings and applicability**

*Type: CR For: Agreement  
 37.145-1 v17.0.0 CR-0253 Cat: A (Rel-17)  
  
 Source: Ericsson*

**Abstract:**

The OBUE applicability tables headings are ambiguous, and sometimes not cmoplete or fully aligned with the intended applicability. The CR corrects the headings to align.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102859 CR to 37.145-2 on OBUE table headings and applicability**

*Type: CR For: Agreement  
 37.145-2 v15.9.0 CR-0288 Cat: F (Rel-15)  
  
 Source: Ericsson*

**Abstract:**

The OBUE applicability tables headings are ambiguous, and sometimes not cmoplete or fully aligned with the intended applicability. The CR corrects the headings to align.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102860 CR to 37.145-2 on OBUE table headings and applicability**

*Type: CR For: Agreement  
 37.145-2 v16.6.0 CR-0289 Cat: A (Rel-16)  
  
 Source: Ericsson*

**Abstract:**

The OBUE applicability tables headings are ambiguous, and sometimes not cmoplete or fully aligned with the intended applicability. The CR corrects the headings to align.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102861 CR to 37.145-2 on OBUE table headings and applicability**

*Type: CR For: Agreement  
 37.145-2 v17.0.0 CR-0290 Cat: A (Rel-17)  
  
 Source: Ericsson*

**Abstract:**

The OBUE applicability tables headings are ambiguous, and sometimes not cmoplete or fully aligned with the intended applicability. The CR corrects the headings to align.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

### 4.5 BS conformance testing Maintenance [NR\_newRAT-Perf]

#### 4.5.1 General [NR\_newRAT-Perf]

**R4-2101568 Further discussion on PN23 sequence generation for NR test models**

*Type: other For: Approval  
 Source: Nokia, Nokia Shanghai Bell*

**Abstract:**

In this contribution we further continue discussion on PN23 sequence generator for NR test models that was initiated during RAN4#97 meeting.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101569 CR to TS 38.141-1 clarification on PN23 sequence generation**

*Type: CR For: Agreement  
 38.141-1 v15.7.0 CR-0192 Cat: F (Rel-15)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101570 CR to TS 38.141-1 clarification on PN23 sequence generation**

*Type: CR For: Agreement  
 38.141-1 v16.6.0 CR-0193 Cat: A (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101571 CR to TS 38.141-2 clarification on PN23 sequence generation**

*Type: CR For: Agreement  
 38.141-2 v15.8.0 CR-0288 Cat: F (Rel-15)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101572 CR to TS 38.141-2 clarification on PN23 sequence generation**

*Type: CR For: Agreement  
 38.141-2 v16.6.0 CR-0289 Cat: A (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101878 CR to TS 38.141-1 clarification on PN23 sequence generation**

*Type: CR For: Agreement  
 38.141-1 v17.0.0 CR-0194 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101879 CR to TS 38.141-2 clarification on PN23 sequence generation**

*Type: CR For: Agreement  
 38.141-2 v17.0.0 CR-0295 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

#### 4.5.2 Conducted conformance testing (38.141-1) [NR\_newRAT-Perf]

**R4-2101091 CR to TS 38.141-1: Additions of regional requirements for n41 in Japan, Rel-15**

*Type: CR For: Agreement  
 38.141-1 v15.7.0 CR-0182 Cat: F (Rel-15)  
  
 Source: NEC, SoftBank, KDDI*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101092 CR to TS 38.141-1: Additions of regional requirements for n41 and n90 in Japan, Rel-16**

*Type: CR For: Agreement  
 38.141-1 v16.6.0 CR-0183 Cat: F (Rel-16)  
  
 Source: NEC, SoftBank, KDDI*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101093 CR to TS 38.141-1: Additions of regional requirements for n41 and n90 in Japan, Rel-17**

*Type: CR For: Agreement  
 38.141-1 v17.0.0 CR-0184 Cat: A (Rel-17)  
  
 Source: NEC, SoftBank, KDDI*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102000 CR to TS 38.141-1: Receiver requirement corrections**

*Type: CR For: Agreement  
 38.141-1 v15.7.0 CR-0198 Cat: F (Rel-15)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102001 CR to TS 38.141-1: Receiver requirement corrections**

*Type: CR For: Agreement  
 38.141-1 v16.6.0 CR-0199 Cat: A (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102002 CR to TS 38.141-1: Receiver requirement corrections**

*Type: CR For: Agreement  
 38.141-1 v17.0.0 CR-0200 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

#### 4.5.3 Radiated conformance testing (38.141-2) [NR\_newRAT-Perf]

**R4-2100385 Further discussion on out-of-band CLTA definition**

*Type: other For: Approval  
 Source: CATT*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100386 CR for TS 38.141-2: Correction on definition for the out-of-band CLTA(Rel-15)**

*Type: CR For: Agreement  
 38.141-2 v15.8.0 CR-0263 Cat: F (Rel-15)  
  
 Source: CATT*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100387 CR for TS 38.141-2: Correction on definition for the out-of-band CLTA(Rel-16)**

*Type: CR For: Agreement  
 38.141-2 v16.6.0 CR-0264 Cat: A (Rel-16)  
  
 Source: CATT*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100388 CR for TS 38.141-2: Correction on definition for the out-of-band CLTA(Rel-17)**

*Type: CR For: Agreement  
 38.141-2 v17.0.0 CR-0265 Cat: A (Rel-17)  
  
 Source: CATT*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101094 CR to TS 38.141-2: Additions of regional requirements for n41 in Japan, Rel-15**

*Type: CR For: Agreement  
 38.141-2 v15.8.0 CR-0277 Cat: F (Rel-15)  
  
 Source: NEC, SoftBank, KDDI*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101095 CR to TS 38.141-2: Additions of regional requirements for n41 and n90 in Japan, Rel-16**

*Type: CR For: Agreement  
 38.141-2 v16.6.0 CR-0278 Cat: F (Rel-16)  
  
 Source: NEC, SoftBank, KDDI*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101096 CR to TS 38.141-2: Additions of regional requirements for n41 and n90 in Japan, Rel-17**

*Type: CR For: Agreement  
 38.141-2 v17.0.0 CR-0279 Cat: A (Rel-17)  
  
 Source: NEC, SoftBank, KDDI*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101730 TS 38.141-2: Correction of additional spurious emission limits for bands 50, 51, 75, 76**

*Type: CR For: Agreement  
 38.141-2 v15.8.0 CR-0290 Cat: F (Rel-15)  
  
 Source: Ericsson*

**Abstract:**

Correction of the unwanted emission limit as it is not aligned with core specifications

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101731 TS 38.141-2: Correction of additional spurious emission limits for bands 50, 51, 75, 76**

*Type: CR For: Agreement  
 38.141-2 v16.6.0 CR-0291 Cat: A (Rel-16)  
  
 Source: Ericsson*

**Abstract:**

Correction of the unwanted emission limit as it is not aligned with core specifications

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101732 TS 38.141-2: Correction of additional spurious emission limits for bands 50, 51, 75, 76**

*Type: CR For: Agreement  
 38.141-2 v17.0.0 CR-0292 Cat: A (Rel-17)  
  
 Source: Ericsson*

**Abstract:**

Correction of the unwanted emission limit as it is not aligned with core specifications

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101997 CR to TS 38.141-2: EESS protection requirement correction**

*Type: CR For: Agreement  
 38.141-2 v15.8.0 CR-0296 Cat: F (Rel-15)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101998 CR to TS 38.141-2: EESS protection requirement correction**

*Type: CR For: Agreement  
 38.141-2 v16.6.0 CR-0297 Cat: A (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101999 CR to TS 38.141-2: EESS protection requirement correction**

*Type: CR For: Agreement  
 38.141-2 v17.0.0 CR-0298 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102003 CR to TS 38.141-2: Receiver requirement corrections**

*Type: CR For: Agreement  
 38.141-2 v15.8.0 CR-0299 Cat: F (Rel-15)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102004 CR to TS 38.141-2: Receiver requirement corrections**

*Type: CR For: Agreement  
 38.141-2 v16.6.0 CR-0300 Cat: A (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102005 CR to TS 38.141-2: Receiver requirement corrections**

*Type: CR For: Agreement  
 38.141-2 v17.0.0 CR-0301 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102429 Further discussion on CLTA maximum height**

*Type: discussion For: Discussion  
 Source: Huawei*

**Abstract:**

Further discussion on how to define a practical height restriction for the CLTA

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102430 Further discussion on co-location for adjacent bands**

*Type: discussion For: Discussion  
 Source: Huawei*

**Abstract:**

Further discussion on the co-location scenarios for adjacent band systems based on the issues raised I the WF

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102434 CR to TS 38.141-2 - Update CLTA definition, Rel-15**

*Type: CR For: Agreement  
 38.141-2 v15.8.0 CR-0306 Cat: F (Rel-15)  
  
 Source: Huawei*

**Abstract:**

CR to update the CLTA definition in the NR conformance specification

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102435 CR to TS 38.141-2 - Update CLTA definition, Rel-16**

*Type: CR For: Agreement  
 38.141-2 v16.6.0 CR-0307 Cat: A (Rel-16)  
  
 Source: Huawei*

**Abstract:**

CR to update the CLTA definition in the NR conformance specification

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102436 CR to TS 38.141-2 - Update CLTA definition, Rel-17**

*Type: CR For: Agreement  
 38.141-2 v17.0.0 CR-0308 Cat: A (Rel-17)  
  
 Source: Huawei*

**Abstract:**

CR to update the CLTA definition in the NR conformance specification

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102897 On Two orthogonal cuts with pattern multiplication procedures and CLTA maximum height**

*Type: other For: Discussion  
 38.141-2 v..  
 Source: Nokia, Nokia Shanghai Bell*

**Abstract:**

This contribution further discusses the open issues related to the two orthogonal cuts with pattern multiplication procedure and CLTA maximum height.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102898 CR to TS 38.141-2: Updating the orthogonal cut procedure**

*Type: CR For: Agreement  
 38.141-2 v15.8.0 CR-0310 Cat: F (Rel-15)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Abstract:**

Numerical expressions for the two orthogonal cut procedure for TRP computation are included.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102899 CR to TS 38.141-2: Updating the orthogonal cut procedure**

*Type: CR For: Agreement  
 38.141-2 v16.6.0 CR-0311 Cat: A (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Abstract:**

Numerical expressions for the two orthogonal cut procedure for TRP computation are included.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

#### 4.5.4 eAAS specifications maintenance [NR\_newRAT-Core/Perf]

**R4-2100389 CR for TS 37.145-2: Correction on definition for the out-of-band CLTA(Rel-15)**

*Type: CR For: Agreement  
 37.145-2 v15.9.0 CR-0271 Cat: F (Rel-15)  
  
 Source: CATT*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100390 CR for TS 37.145-2: Correction on definition for the out-of-band CLTA(Rel-16)**

*Type: CR For: Agreement  
 37.145-2 v16.6.0 CR-0272 Cat: A (Rel-16)  
  
 Source: CATT*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100391 CR for TS 37.145-2: Correction on definition for the out-of-band CLTA(Rel-17)**

*Type: CR For: Agreement  
 37.145-2 v17.0.0 CR-0273 Cat: A (Rel-17)  
  
 Source: CATT*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102423 CR to TS 37.145-1, Corrections to conformance requirements, Rel-15**

*Type: CR For: Agreement  
 37.145-1 v15.8.0 CR-0243 Cat: F (Rel-15)  
  
 Source: Huawei*

**Abstract:**

Corrections to conformance specification based on errors identified while drafting the European harmonized standard

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102424 CR to TS 37.145-1, Corrections to conformance requirements, Rel-16**

*Type: CR For: Agreement  
 37.145-1 v16.5.0 CR-0244 Cat: A (Rel-16)  
  
 Source: Huawei*

**Abstract:**

Corrections to conformance specification based on errors identified while drafting the European harmonized standard

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102425 CR to TS 37.145-1, Corrections to conformance requirements, Rel-17**

*Type: CR For: Agreement  
 37.145-1 v17.0.0 CR-0245 Cat: A (Rel-17)  
  
 Source: Huawei*

**Abstract:**

Corrections to conformance specification based on errors identified while drafting the European harmonized standard

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102426 CR to TS 37.145-2: Corrections to conformance requirements, Rel-15**

*Type: CR For: Agreement  
 37.145-2 v15.9.0 CR-0280 Cat: F (Rel-15)  
  
 Source: Huawei*

**Abstract:**

Corrections to conformance specification based on errors identified while drafting the European harmonized standard

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102427 CR to TS 37.145-2: Corrections to conformance requirements, Rel-16**

*Type: CR For: Agreement  
 37.145-2 v16.6.0 CR-0281 Cat: A (Rel-16)  
  
 Source: Huawei*

**Abstract:**

Corrections to conformance specification based on errors identified while drafting the European harmonized standard

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102428 CR to TS 37.145-2: Corrections to conformance requirements, Rel-17**

*Type: CR For: Agreement  
 37.145-2 v17.0.0 CR-0282 Cat: A (Rel-17)  
  
 Source: Huawei*

**Abstract:**

Corrections to conformance specification based on errors identified while drafting the European harmonized standard

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102431 CR to TS 37.145-2 - Update CLTA definition, Rel-15**

*Type: CR For: Agreement  
 37.145-2 v15.9.0 CR-0283 Cat: F (Rel-15)  
  
 Source: Huawei*

**Abstract:**

CR to update the CLTA definition in the AAS conformance specification

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102432 CR to TS 37.145-2 - Update CLTA definition, Rel-16**

*Type: CR For: Agreement  
 37.145-2 v16.6.0 CR-0284 Cat: A (Rel-16)  
  
 Source: Huawei*

**Abstract:**

CR to update the CLTA definition in the AAS conformance specification

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102433 CR to TS 37.145-2 - Update CLTA definition, Rel-17**

*Type: CR For: Agreement  
 37.145-2 v17.0.0 CR-0285 Cat: A (Rel-17)  
  
 Source: Huawei*

**Abstract:**

CR to update the CLTA definition in the AAS conformance specification

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102895 CR to TS 37.145-2: Updating the orthogonal cut procedure**

*Type: CR For: Agreement  
 37.145-2 v15.9.0 CR-0291 Cat: F (Rel-15)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Abstract:**

Numerical expressions for the two orthogonal cut procedure for TRP computation are included.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102896 CR to TS 37.145-2: Updating the orthogonal cut procedure**

*Type: CR For: Agreement  
 37.145-2 v16.6.0 CR-0292 Cat: A (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Abstract:**

Numerical expressions for the two orthogonal cut procedure for TRP computation are included.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

### 4.6 BS EMC requirements Maintenance [NR\_newRAT-Core]

#### 4.6.1 Core requirements [NR\_newRAT-Core]

#### 4.6.2 Performance requirements [NR\_newRAT-Perf]

**R4-2100354 CR to TS 38.113 on Performance criteria for transient phenomena, Release 15**

*Type: CR For: Agreement  
 38.113 v15.12.0 CR-0031 Cat: F (Rel-15)  
  
 Source: Ericsson*

**Abstract:**

CR updating performance criteria for transient phenomena in TS 38.113 Rel 15

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100355 CR to TS 38.113 on Performance criteria for transient phenomena, Release 16**

*Type: CR For: Agreement  
 38.113 v16.2.0 CR-0032 Cat: A (Rel-16)  
  
 Source: Ericsson*

**Abstract:**

CR mirroring update in performance criteria for transient phenomena in 38.113 Rel 16

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102127 CR to TS 38.113: Radiated emission test method**

*Type: CR For: Agreement  
 38.113 v15.12.0 CR-0033 Cat: F (Rel-15)  
  
 Source: ZTE Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **withdrawn**.

**R4-2102128 CR to TS 38.113: Radiated emission test method**

*Type: CR For: Agreement  
 38.113 v16.2.0 CR-0034 Cat: A (Rel-16)  
  
 Source: ZTE Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **withdrawn**.

**R4-2102178 CR to TS 38.113: Radiated emission test method**

*Type: CR For: Agreement  
 38.113 v15.12.0 CR-0035 Cat: F (Rel-15)  
  
 Source: ZTE Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102179 CR to TS 38.113: Radiated emission test method**

*Type: CR For: Agreement  
 38.113 v16.2.0 CR-0036 Cat: A (Rel-16)  
  
 Source: ZTE Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

### 4.7 RRM core requirements maintenance (38.133/36.133) [NR\_newRAT-Core]

**R4-2100172 Further discussion on CSSF for R15 EN-DC**

*Type: discussion For: Discussion  
 38.133 v..  
 Source: Apple*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100173 CR on CSSF for EN-DC R15**

*Type: CR For: Agreement  
 38.133 v15.12.0 CR-1438 Cat: F (Rel-15)  
  
 Source: Apple*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100174 On SSB-less SCell activation**

*Type: discussion For: Discussion  
 38.133 v..  
 Source: Apple*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100175 CR on FR2 SCell activation requirement R15**

*Type: CR For: Agreement  
 38.133 v15.12.0 CR-1439 Cat: F (Rel-15)  
  
 Source: Apple*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100176 CR on FR2 SCell activation requirement R16**

*Type: CR For: Agreement  
 38.133 v16.6.0 CR-1440 Cat: A (Rel-16)  
  
 Source: Apple*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100177 CR on FR2 SCell activation requirement R17**

*Type: CR For: Agreement  
 38.133 v17.0.0 CR-1441 Cat: A (Rel-17)  
  
 Source: Apple*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100178 CR on smtc1 and smtc2 differentiation in intra-frequency measurement with MG R15**

*Type: CR For: Agreement  
 38.133 v15.12.0 CR-1442 Cat: F (Rel-15)  
  
 Source: Apple*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100179 CR on smtc1 and smtc2 differentiation in intra-frequency measurement with MG R16**

*Type: CR For: Agreement  
 38.133 v16.6.0 CR-1443 Cat: A (Rel-16)  
  
 Source: Apple*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100180 CR on smtc1 and smtc2 differentiation in intra-frequency measurement with MG R17**

*Type: CR For: Agreement  
 38.133 v17.0.0 CR-1444 Cat: A (Rel-17)  
  
 Source: Apple*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100233 Interruption requirements due to measurement on SCC in NR-DC (R15)**

*Type: CR For: Agreement  
 38.133 v15.12.0 CR-1463 Cat: F (Rel-15)  
  
 Source: Apple*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100851 Discussion on deactivated SCell measurement for intra-frequency measurement with measurement gap**

*Type: discussion For: Approval  
 Source: CMCC*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100852 CR on deactivated SCell measurement for intra-frequency measurement with measurement gap**

*Type: CR For: Agreement  
 38.133 v15.12.0 CR-1528 Cat: F (Rel-15)  
  
 Source: CMCC*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100853 CR on deactivated SCell measurement for intra-frequency measurement with measurement gap**

*Type: CR For: Agreement  
 38.133 v16.6.0 CR-1529 Cat: A (Rel-16)  
  
 Source: CMCC*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101006 CR on Scell activation delay maintenance (R15)**

*Type: CR For: Agreement  
 38.133 v15.12.0 CR-1537 Cat: F (Rel-15)  
  
 Source: Apple*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101007 CR on Scell activation delay maintenance (R16)**

*Type: CR For: Agreement  
 38.133 v16.6.0 CR-1538 Cat: F (Rel-16)  
  
 Source: Apple*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101008 CR on Scell activation delay maintenance (R17)**

*Type: CR For: Agreement  
 38.133 v17.0.0 CR-1539 Cat: A (Rel-17)  
  
 Source: Apple*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101050 Remaining issues on RRM in R15**

*Type: discussion For: Discussion  
 Source: MediaTek inc.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101051 CR on R15 remaining issues**

*Type: CR For: Agreement  
 38.133 v15.12.0 CR-1548 Cat: F (Rel-15)  
  
 Source: MediaTek inc.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101052 CR on R15 remaining issues**

*Type: CR For: Agreement  
 38.133 v16.6.0 CR-1549 Cat: A (Rel-16)  
  
 Source: MediaTek inc.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101053 CR on R15 remaining issues**

*Type: CR For: Agreement  
 38.133 v17.0.0 CR-1550 Cat: A (Rel-17)  
  
 Source: MediaTek inc.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101071 CR on SSB less SCell activation for FR1 for Rel-15**

*Type: CR For: Agreement  
 38.133 v15.12.0 CR-1553 Cat: F (Rel-15)  
  
 Source: NEC*

**Abstract:**

SSB less SCell activation for FR1 is supported in Rel-15 from RAN1/RAN2 perspective. However the requirements for the same are missing in TS 38.133.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101072 CR on SSB less SCell activation for FR1 for Rel-16**

*Type: CR For: Agreement  
 38.133 v16.6.0 CR-1554 Cat: F (Rel-16)  
  
 Source: NEC*

**Abstract:**

SSB less SCell activation for FR1 is supported in Rel-16 from RAN1/RAN2 perspective. However the requirements for the same are missing in TS 38.133.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101407 Discussion on RRC based BWP switching**

*Type: discussion For: Discussion  
 Source: Intel Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101464 CR on the filter for beam failure indications in 38.133**

*Type: CR For: Agreement  
 38.133 v15.12.0 CR-1605 Cat: F (Rel-15)  
  
 Source: vivo*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101465 CR on the filter for beam failure indications in 38.133**

*Type: CR For: Agreement  
 38.133 v16.6.0 CR-1606 Cat: A (Rel-16)  
  
 Source: vivo*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101466 CR on the filter for beam failure indications in 38.133**

*Type: CR For: Agreement  
 38.133 v17.0.0 CR-1607 Cat: A (Rel-17)  
  
 Source: vivo*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102536 On correction to inter-RAT CSSF**

*Type: discussion For: Discussion  
 Source: Ericsson*

**Abstract:**

On correction to inter-RAT CSSF

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102537 Correction to inter-RAT CSSF**

*Type: CR For: Agreement  
 38.133 v16.6.0 CR-1728 Cat: A (Rel-16)  
  
 Source: Ericsson*

**Abstract:**

Correction to inter-RAT CSSF

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102538 Correction to inter-RAT CSSF**

*Type: CR For: Agreement  
 38.133 v17.0.0 CR-1729 Cat: A (Rel-17)  
  
 Source: Ericsson*

**Abstract:**

Correction to inter-RAT CSSF

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102731 CR to remove intra-frequency ECID requirements for NE-DC 36133 R15**

*Type: CR For: Agreement  
 36.133 v15.12.0 CR-7058 Cat: F (Rel-15)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102732 CR to remove intra-frequency ECID requirements for NE-DC 36133 R16**

*Type: CR For: Agreement  
 36.133 v16.8.0 CR-7059 Cat: A (Rel-16)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102733 CR to remove intra-frequency ECID requirements for NE-DC 36133 R17**

*Type: CR For: Agreement  
 36.133 v17.0.0 CR-7060 Cat: A (Rel-17)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102734 CR to idle more requirements in 36133 R15**

*Type: CR For: Agreement  
 36.133 v15.12.0 CR-7061 Cat: F (Rel-15)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102735 CR to idle more requirements in 36133 R16**

*Type: CR For: Agreement  
 36.133 v16.8.0 CR-7062 Cat: A (Rel-16)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102736 CR to idle more requirements in 36133 R17**

*Type: CR For: Agreement  
 36.133 v17.0.0 CR-7063 Cat: A (Rel-17)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102737 Discussion on CSSF for inter-RAT measurement, SCell activation delay and cell identification requirements on deactivated SCell in Rel-15**

*Type: discussion For: Discussion  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102738 CR on SCell activation delay, cell idenfication requirements on deactivated SCell and inter-RAT ECID requirements for NE-DC R15**

*Type: CR For: Agreement  
 38.133 v15.12.0 CR-1752 Cat: F (Rel-15)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102739 CR on SCell activation delay, cell idenfication requirements on deactivated SCell and inter-RAT ECID requirements for NE-DC R16**

*Type: CR For: Agreement  
 38.133 v16.6.0 CR-1753 Cat: A (Rel-16)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102740 CR on SCell activation delay, cell idenfication requirements on deactivated SCell and inter-RAT ECID requirements for NE-DC R17**

*Type: CR For: Agreement  
 38.133 v17.0.0 CR-1754 Cat: A (Rel-17)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102827 Correction to inter-RAT CSSF**

*Type: CR For: Agreement  
 38.133 v15.12.0 CR-1775 Cat: F (Rel-15)  
  
 Source: Ericsson*

**Abstract:**

Correction to inter-RAT CSSF

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102872 Cat-F CR to SSB-less SCell activation delay requirement for deactivated FR1 SCell in Rel-15**

*Type: CR For: Agreement  
 38.133 v15.12.0 CR-1776 Cat: F (Rel-15)  
  
 Source: Qualcomm Incorporated*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102873 Cat-A CR to SSB-less SCell activation delay requirement for deactivated FR1 SCell in Rel-16**

*Type: CR For: Agreement  
 38.133 v16.6.0 CR-1777 Cat: A (Rel-16)  
  
 Source: Qualcomm Incorporated*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102874 Cat-A CR to SSB-less SCell activation delay requirement for deactivated FR1 SCell in Rel-17**

*Type: CR For: Agreement  
 38.133 v17.0.0 CR-1778 Cat: A (Rel-17)  
  
 Source: Qualcomm Incorporated*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

### 4.8 RRM perf. requirements maintenance (38.133/36.133) [NR\_newRAT-Perf]

**R4-2100058 [CR] RRM test case maintenance R15 Cat F**

*Type: CR For: Agreement  
 38.133 v15.12.0 CR-1416 Cat: F (Rel-15)  
  
 Source: ZTE Corporation*

**Abstract:**

R15 Cat F CR to fix some errors existing in the test cases.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100059 [CR] RRM test case maintenance R16 Cat A**

*Type: CR For: Agreement  
 38.133 v16.6.0 CR-1417 Cat: A (Rel-16)  
  
 Source: ZTE Corporation*

**Abstract:**

Cat A CR for R16

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100060 [CR] RRM test case maintenance R17 Cat A**

*Type: CR For: Agreement  
 38.133 v17.0.0 CR-1418 Cat: A (Rel-17)  
  
 Source: ZTE Corporation*

**Abstract:**

Cat A CR for R17

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100067 FR2 PDSCH Reference channel and OCNG for RRM Test cases**

*Type: discussion For: Endorsement  
 Source: ANRITSU LTD*

**Abstract:**

The downlink dB range for RRM Test cases is very restricted where signals arrive from the UE Spherical coverage direction, and there is not enough range to implement FR2 RRM Spherical Coverage test cases as currently written. The range can be increased by

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100068 Update FR2 Reference channels and OCNG for FR2 RRM Test cases**

*Type: CR For: Agreement  
 38.133 v15.12.0 CR-1422 Cat: F (Rel-15)  
  
 Source: ANRITSU LTD*

**Abstract:**

Define new PDSCH Reference Measurement Channels occupying the same PRBs as the CORESET, 24RB and 48RB. Define new RMSI CORESET Reference Channel and Control Channel RMC with 48RBs allowing use with 240kHz SSB SCS Test cases.

Update OCNG pattern OP.3 to co

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100069 Update FR2 Reference channels and OCNG for FR2 RRM Test cases**

*Type: CR For: Agreement  
 38.133 v16.6.0 CR-1423 Cat: A (Rel-16)  
  
 Source: ANRITSU LTD*

**Abstract:**

Define new PDSCH Reference Measurement Channels occupying the same PRBs as the CORESET, 24RB and 48RB. Define new RMSI CORESET Reference Channel and Control Channel RMC with 48RBs allowing use with 240kHz SSB SCS Test cases.

Update OCNG pattern OP.3 to co

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100070 Update FR2 Reference channels and OCNG for FR2 RRM Test cases**

*Type: CR For: Agreement  
 38.133 v17.0.0 CR-1424 Cat: A (Rel-17)  
  
 Source: ANRITSU LTD*

**Abstract:**

Define new PDSCH Reference Measurement Channels occupying the same PRBs as the CORESET, 24RB and 48RB. Define new RMSI CORESET Reference Channel and Control Channel RMC with 48RBs allowing use with 240kHz SSB SCS Test cases.

Update OCNG pattern OP.3 to co

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100071 FR2 Reference channels for RRM Test cases with 240kHz SSB SCS**

*Type: discussion For: Endorsement  
 Source: ANRITSU LTD*

**Abstract:**

Some FR2 RRM Test cases in Annex A of TS 38.133 specify a configuration with 240kHz SSB SCS.

RRM test case configurations using 240kHz SSB SCS need different Reference channels which are not currently specified in TS 38.133. This Tdoc identifies new Refer

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100072 CR to FR1 SA SS-SINR measurement TCs**

*Type: CR For: Agreement  
 38.133 v15.12.0 CR-1425 Cat: F (Rel-15)  
  
 Source: ANRITSU LTD*

**Abstract:**

Update Test Parameters table format to show that TRS config is only for Cell 1

Update Table A.6.7.3.2.2-2 to include gap configuration, Gap pattern ID = 0

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100073 CR to FR1 SA SS-SINR measurement TCs**

*Type: CR For: Agreement  
 38.133 v16.6.0 CR-1426 Cat: F (Rel-16)  
  
 Source: ANRITSU LTD*

**Abstract:**

Update Test Parameters table format to show that TRS config is only for Cell 1

Align SMTC configuration in Table A.6.7.3.1.2-2 with Rel-15 spec.

Update Table A.6.7.3.1.2-2 to include Time offset with Cell 1.

Update Table A.6.7.3.2.2-2 to include gap confi

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100074 CR to FR1 SA SS-SINR measurement TCs**

*Type: CR For: Agreement  
 38.133 v17.0.0 CR-1427 Cat: A (Rel-17)  
  
 Source: ANRITSU LTD*

**Abstract:**

Update Test Parameters table format to show that TRS config is only for Cell 1

Align SMTC configuration in Table A.6.7.3.1.2-2 with Rel-15 spec.

Update Table A.6.7.3.1.2-2 to include Time offset with Cell 1.

Update Table A.6.7.3.2.2-2 to include gap confi

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100075 CR on E-UTRA carrier for EN-DC event triggered reporting tests**

*Type: CR For: Agreement  
 38.133 v15.12.0 CR-1428 Cat: F (Rel-15)  
  
 Source: ANRITSU LTD*

**Abstract:**

Remove “TDD” comment to allow LTE FDD configurations to be tested.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100076 CR on E-UTRA carrier for EN-DC event triggered reporting tests**

*Type: CR For: Agreement  
 38.133 v16.6.0 CR-1429 Cat: A (Rel-16)  
  
 Source: ANRITSU LTD*

**Abstract:**

Remove “TDD” comment to allow LTE FDD configurations to be tested.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100077 CR on E-UTRA carrier for EN-DC event triggered reporting tests**

*Type: CR For: Agreement  
 38.133 v17.0.0 CR-1430 Cat: A (Rel-17)  
  
 Source: ANRITSU LTD*

**Abstract:**

Remove “TDD” comment to allow LTE FDD configurations to be tested.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100078 Add missing FR2 Test case setups and Beam assumptions**

*Type: CR For: Agreement  
 38.133 v15.12.0 CR-1431 Cat: F (Rel-15)  
  
 Source: ANRITSU LTD*

**Abstract:**

Specify setup 1 for FR2 Handover and RRC Connection Release/Redirection and add missing Control Channel RMC.

Reduce allocated RBs to 24 for Inter-RAT event triggered reporting test case A.8.4.2.5 and apply Es only.

Specify setup 1 for Inter-RAT event trig

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100079 Add missing FR2 Test case setups and Beam assumptions**

*Type: CR For: Agreement  
 38.133 v16.6.0 CR-1432 Cat: A (Rel-16)  
  
 Source: ANRITSU LTD*

**Abstract:**

Specify setup 1 for FR2 Handover and RRC Connection Release/Redirection and add missing Control Channel RMC.

Reduce allocated RBs to 24 for Inter-RAT event triggered reporting test case A.8.4.2.5 and apply Es only.

Specify setup 1 for Inter-RAT event trig

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100080 Add missing FR2 Test case setups and Beam assumptions**

*Type: CR For: Agreement  
 38.133 v17.0.0 CR-1433 Cat: A (Rel-17)  
  
 Source: ANRITSU LTD*

**Abstract:**

Specify setup 1 for FR2 Handover and RRC Connection Release/Redirection and add missing Control Channel RMC.

Reduce allocated RBs to 24 for Inter-RAT event triggered reporting test case A.8.4.2.5 and apply Es only.

Specify setup 1 for Inter-RAT event trig

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100479 Correction to cell reselection test case**

*Type: CR For: Agreement  
 38.133 v15.12.0 CR-1494 Cat: F (Rel-15)  
  
 Source: CATT*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100480 Correction to cell reselection test case**

*Type: CR For: Agreement  
 38.133 v16.6.0 CR-1495 Cat: A (Rel-16)  
  
 Source: CATT*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100481 Correction to cell reselection test case**

*Type: CR For: Agreement  
 38.133 v17.0.0 CR-1496 Cat: A (Rel-17)  
  
 Source: CATT*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100601 Update of DRX configuration in FR1 Event-triggered Test cases**

*Type: CR For: Agreement  
 38.133 v15.12.0 CR-1503 Cat: F (Rel-15)  
  
 Source: ANRITSU LTD*

**Abstract:**

Update DRX configuration to avoid problem with time alignment timer expiry.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100602 Update of DRX configuration in FR1 Event-triggered Test cases**

*Type: CR For: Agreement  
 38.133 v16.6.0 CR-1504 Cat: F (Rel-16)  
  
 Source: ANRITSU LTD*

**Abstract:**

Update DRX configuration to avoid problem with time alignment timer expiry.

This CR is Cat F because Rel-16 includes test cases A.4.6.1.7 and A.6.6.1.7 in addition to those in Rel-15.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100603 Update of DRX configuration in FR1 Event-triggered Test cases**

*Type: CR For: Agreement  
 38.133 v17.0.0 CR-1505 Cat: F (Rel-17)  
  
 Source: ANRITSU LTD*

**Abstract:**

Update DRX configuration to avoid problem with time alignment timer expiry.

This CR is Cat F because Rel-17 includes test cases A.4.6.1.7 and A.6.6.1.7 in addition to those in Rel-15, and the whole test case A.6.6.1.7 was missing.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100760 Correction on PRACH configuration for FR2 Non-Contention based Random Access in R15**

*Type: CR For: Agreement  
 38.133 v15.12.0 CR-1512 Cat: F (Rel-15)  
  
 Source: MediaTek inc.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100761 Correction on PRACH configuration for FR2 Non-Contention based Random Access in R16**

*Type: CR For: Agreement  
 38.133 v16.6.0 CR-1513 Cat: A (Rel-16)  
  
 Source: MediaTek inc.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100762 Correction on PRACH configuration for FR2 Non-Contention based Random Access in R17**

*Type: CR For: Agreement  
 38.133 v17.0.0 CR-1514 Cat: A (Rel-17)  
  
 Source: MediaTek inc.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100763 Correction on PRACH configuration for Beam Failure Detection and Link Recovery Test in R15**

*Type: CR For: Agreement  
 38.133 v15.12.0 CR-1515 Cat: F (Rel-15)  
  
 Source: MediaTek inc.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100764 Correction on PRACH configuration for Beam Failure Detection and Link Recovery Test in R16**

*Type: CR For: Agreement  
 38.133 v16.6.0 CR-1516 Cat: A (Rel-16)  
  
 Source: MediaTek inc.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100765 Correction on PRACH configuration for Beam Failure Detection and Link Recovery Test in R17**

*Type: CR For: Agreement  
 38.133 v17.0.0 CR-1517 Cat: A (Rel-17)  
  
 Source: MediaTek inc.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100766 Correction on PRACH RMC for FR1 CSI-RS based Non-Contention based Random Access for BFR in R15**

*Type: CR For: Agreement  
 38.133 v15.12.0 CR-1518 Cat: F (Rel-15)  
  
 Source: MediaTek inc.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100767 Correction on PRACH RMC for FR1 CSI-RS based Non-Contention based Random Access for BFR in R16**

*Type: CR For: Agreement  
 38.133 v16.6.0 CR-1519 Cat: A (Rel-16)  
  
 Source: MediaTek inc.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100768 Correction on PRACH RMC for FR1 CSI-RS based Non-Contention based Random Access for BFR in R17**

*Type: CR For: Agreement  
 38.133 v17.0.0 CR-1520 Cat: A (Rel-17)  
  
 Source: MediaTek inc.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101047 CR for test requirements correction of SA event triggered reporting tests for FR1 inter-frequency measurements with SSB time index detection when DRX is used**

*Type: CR For: Agreement  
 38.133 v15.12.0 CR-1545 Cat: F (Rel-15)  
  
 Source: CMCC*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101048 CR for test requirements correction of SA event triggered reporting tests for FR1 inter-frequency measurements with SSB time index detection when DRX is used**

*Type: CR For: Agreement  
 38.133 v16.6.0 CR-1546 Cat: A (Rel-16)  
  
 Source: CMCC*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101049 CR for test requirements correction of SA event triggered reporting tests for FR1 inter-frequency measurements with SSB time index detection when DRX is used**

*Type: CR For: Agreement  
 38.133 v17.0.0 CR-1547 Cat: A (Rel-17)  
  
 Source: CMCC*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101161 Correction on the power of the first preamble for random access in EN-DC and SA in R15**

*Type: CR For: Agreement  
 38.133 v15.12.0 CR-1563 Cat: F (Rel-15)  
  
 Source: MediaTek inc.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101162 Correction on the power of the first preamble for random access in EN-DC and SA in R16**

*Type: CR For: Agreement  
 38.133 v16.6.0 CR-1564 Cat: A (Rel-16)  
  
 Source: MediaTek inc.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101163 Correction on the power of the first preamble for random access in EN-DC and SA in R17**

*Type: CR For: Agreement  
 38.133 v17.0.0 CR-1565 Cat: A (Rel-17)  
  
 Source: MediaTek inc.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101164 Correction on the time for Scell activation and CSI-report in R15**

*Type: CR For: Agreement  
 38.133 v15.12.0 CR-1566 Cat: F (Rel-15)  
  
 Source: MediaTek inc.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101165 Correction on the time for Scell activation and CSI-report in R16**

*Type: CR For: Agreement  
 38.133 v16.6.0 CR-1567 Cat: A (Rel-16)  
  
 Source: MediaTek inc.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101166 Correction on the time for Scell activation and CSI-report in R17**

*Type: CR For: Agreement  
 38.133 v17.0.0 CR-1568 Cat: A (Rel-17)  
  
 Source: MediaTek inc.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101167 Correction on the Noc level in TS38.133 in R15**

*Type: CR For: Agreement  
 38.133 v15.12.0 CR-1569 Cat: F (Rel-15)  
  
 Source: MediaTek inc.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101168 Correction on the Noc level in TS38.133 in R16**

*Type: CR For: Agreement  
 38.133 v16.6.0 CR-1570 Cat: A (Rel-16)  
  
 Source: MediaTek inc.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101169 Correction on the Noc level in TS38.133 in R17**

*Type: CR For: Agreement  
 38.133 v17.0.0 CR-1571 Cat: A (Rel-17)  
  
 Source: MediaTek inc.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101170 Correction on the SS-RSRP difference value for SS-RSRP measurement TC in R15**

*Type: CR For: Agreement  
 38.133 v15.12.0 CR-1572 Cat: F (Rel-15)  
  
 Source: MediaTek inc.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101171 Correction on the SS-RSRP difference value for SS-RSRP measurement TC in R16**

*Type: CR For: Agreement  
 38.133 v16.6.0 CR-1573 Cat: A (Rel-16)  
  
 Source: MediaTek inc.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101172 Correction on the SS-RSRP difference value for SS-RSRP measurement TC in R17**

*Type: CR For: Agreement  
 38.133 v17.0.0 CR-1574 Cat: A (Rel-17)  
  
 Source: MediaTek inc.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101612 Correction to Aperiodic CSI-RS configurations R15**

*Type: CR For: Agreement  
 38.133 v15.12.0 CR-1614 Cat: F (Rel-15)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101613 Correction to Aperiodic CSI-RS configurations R16**

*Type: CR For: Agreement  
 38.133 v16.6.0 CR-1615 Cat: A (Rel-16)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101614 Correction to Aperiodic CSI-RS configurations R17**

*Type: CR For: Agreement  
 38.133 v17.0.0 CR-1616 Cat: A (Rel-17)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101615 Correction to radio link monitoring test cases R15**

*Type: CR For: Agreement  
 38.133 v15.12.0 CR-1617 Cat: F (Rel-15)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101616 Correction to radio link monitoring test cases R16**

*Type: CR For: Agreement  
 38.133 v16.6.0 CR-1618 Cat: A (Rel-16)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101617 Correction to radio link monitoring test cases R17**

*Type: CR For: Agreement  
 38.133 v17.0.0 CR-1619 Cat: A (Rel-17)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101618 Correction to beam failure recovery test cases R15**

*Type: CR For: Agreement  
 38.133 v15.12.0 CR-1620 Cat: F (Rel-15)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101619 Correction to beam failure recovery test cases R16**

*Type: CR For: Agreement  
 38.133 v16.6.0 CR-1621 Cat: A (Rel-16)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101620 Correction to beam failure recovery test cases R17**

*Type: CR For: Agreement  
 38.133 v17.0.0 CR-1622 Cat: A (Rel-17)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101621 Correction to L1-RSRP reporting delay test cases R15**

*Type: CR For: Agreement  
 38.133 v15.12.0 CR-1623 Cat: F (Rel-15)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101622 Correction to L1-RSRP reporting delay test cases R16**

*Type: CR For: Agreement  
 38.133 v16.6.0 CR-1624 Cat: A (Rel-16)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101623 Correction to L1-RSRP reporting delay test cases R17**

*Type: CR For: Agreement  
 38.133 v17.0.0 CR-1625 Cat: A (Rel-17)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101660 Discussion on antenna configurations for 4Rx capable UE**

*Type: discussion For: Discussion  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101661 CR on maintaining Antenna configurations in TS38.133 R15**

*Type: CR For: Agreement  
 38.133 v15.12.0 CR-1634 Cat: F (Rel-15)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101662 CR on maintaining Antenna configurations in TS38.133 R16**

*Type: CR For: Agreement  
 38.133 v16.6.0 CR-1635 Cat: A (Rel-16)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101663 CR on maintaining Antenna configurations in TS38.133 R17**

*Type: CR For: Agreement  
 38.133 v17.0.0 CR-1636 Cat: A (Rel-17)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101664 CR on test requirements for measurement performance tests R15**

*Type: CR For: Agreement  
 38.133 v15.12.0 CR-1637 Cat: F (Rel-15)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101665 CR on test requirements for measurement performance tests R16**

*Type: CR For: Agreement  
 38.133 v16.6.0 CR-1638 Cat: A (Rel-16)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101666 CR on test requirements for measurement performance tests R17**

*Type: CR For: Agreement  
 38.133 v17.0.0 CR-1639 Cat: A (Rel-17)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101701 Correction on test cases of inter-frequency Measurements R15**

*Type: CR For: Agreement  
 38.133 v15.12.0 CR-1653 Cat: F (Rel-15)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101702 Correction on test cases of inter-frequency Measurements R16**

*Type: CR For: Agreement  
 38.133 v16.6.0 CR-1654 Cat: A (Rel-16)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101703 Correction on test cases of inter-frequency Measurements R17**

*Type: CR For: Agreement  
 38.133 v17.0.0 CR-1655 Cat: A (Rel-17)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101704 Correction on NR Pcell FR2 active TCI state switching R15**

*Type: CR For: Agreement  
 38.133 v15.12.0 CR-1656 Cat: F (Rel-15)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101705 Correction on NR Pcell FR2 active TCI state switching R16**

*Type: CR For: Agreement  
 38.133 v16.6.0 CR-1657 Cat: A (Rel-16)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101706 Correction on NR Pcell FR2 active TCI state switching R17**

*Type: CR For: Agreement  
 38.133 v17.0.0 CR-1658 Cat: A (Rel-17)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102306 CR to TS 38.133: Redundant and incorrect TCI state in tests with TRS (Rel-15)**

*Type: CR For: Agreement  
 38.133 v15.12.0 CR-1712 Cat: F (Rel-15)  
  
 Source: Rohde & Schwarz*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102307 CR to TS 38.133: Redundant and incorrect TCI state in tests with TRS (Rel-16)**

*Type: CR For: Agreement  
 38.133 v16.6.0 CR-1713 Cat: A (Rel-16)  
  
 Source: Rohde & Schwarz*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102308 CR to TS 38.133: Redundant and incorrect TCI state in tests with TRS (Rel-17)**

*Type: CR For: Agreement  
 38.133 v17.0.0 CR-1714 Cat: A (Rel-17)  
  
 Source: Rohde & Schwarz*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102309 CR to TS 38.133: Corrections to TC A.4.5.7.1 (Rel-15)**

*Type: CR For: Agreement  
 38.133 v15.12.0 CR-1715 Cat: F (Rel-15)  
  
 Source: Rohde & Schwarz*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102310 CR to TS 38.133: Corrections to TC A.4.5.7.1 (Rel-16)**

*Type: CR For: Agreement  
 38.133 v16.6.0 CR-1716 Cat: A (Rel-16)  
  
 Source: Rohde & Schwarz*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102311 CR to TS 38.133: Corrections to TC A.4.5.7.1 (Rel-17)**

*Type: CR For: Agreement  
 38.133 v17.0.0 CR-1717 Cat: A (Rel-17)  
  
 Source: Rohde & Schwarz*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102726 CR on test cases for inter-RAT measurement r15**

*Type: CR For: Agreement  
 38.133 v15.12.0 CR-1749 Cat: F (Rel-15)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102727 CR on test cases for inter-RAT measurement r16**

*Type: CR For: Agreement  
 38.133 v16.6.0 CR-1750 Cat: A (Rel-16)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102728 CR on test cases for inter-RAT measurement r17**

*Type: CR For: Agreement  
 38.133 v17.0.0 CR-1751 Cat: A (Rel-17)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102741 CR on SCell activation TCs R15**

*Type: CR For: Agreement  
 38.133 v15.12.0 CR-1755 Cat: F (Rel-15)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102742 CR on SCell activation TCs R16**

*Type: CR For: Agreement  
 38.133 v16.6.0 CR-1756 Cat: A (Rel-16)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102743 CR on SCell activation TCs R17**

*Type: CR For: Agreement  
 38.133 v17.0.0 CR-1757 Cat: A (Rel-17)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102869 CR on correcting SSB and RACH configuration in CSI-RS based beam failure detection and link recovery tests**

*Type: CR For: Agreement  
 38.133 v15.12.0 CR-1404 rev 1 Cat: F (Rel-15)  
  
 Source: Qualcomm CDMA Technologies*

(Replaces R4-2017048)

**Abstract:**

R4-2017048 was endorsed but returned due to a formatting issue. Resubmission to 98e.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102875 Cat-F CR to addition of TRS Configurations in Rel-15 Test Cases**

*Type: CR For: Agreement  
 38.133 v15.12.0 CR-1779 Cat: F (Rel-15)  
  
 Source: Qualcomm Incorporated*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102876 Cat-A CR to addition of TRS Configurations in Rel-16 Test Cases**

*Type: CR For: Agreement  
 38.133 v16.6.0 CR-1780 Cat: A (Rel-16)  
  
 Source: Qualcomm Incorporated*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102877 Cat-A CR to addition of TRS Configurations in Rel-17 Test Cases**

*Type: CR For: Agreement  
 38.133 v17.0.0 CR-1781 Cat: A (Rel-17)  
  
 Source: Qualcomm Incorporated*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102878 Cat-F CR to DRX Configurations in Rel-15**

*Type: CR For: Agreement  
 38.133 v15.12.0 CR-1782 Cat: F (Rel-15)  
  
 Source: Qualcomm Incorporated*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102879 Cat-A CR to DRX Configurations in Rel-16**

*Type: CR For: Agreement  
 38.133 v16.6.0 CR-1783 Cat: A (Rel-16)  
  
 Source: Qualcomm Incorporated*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102880 Cat-A CR to DRX Configurations in Rel-17**

*Type: CR For: Agreement  
 38.133 v17.0.0 CR-1784 Cat: A (Rel-17)  
  
 Source: Qualcomm Incorporated*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102905 CR on correcting SSB and RACH configuration in CSI-RS based beam failure detection and link recovery tests**

*Type: CR For: Agreement  
 38.133 v16.6.0 CR-1789 Cat: A (Rel-16)  
  
 Source: Qualcomm CDMA Technologies*

**Abstract:**

Mirror CR for CR 1404 in R4-2102869

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102908 CR on correcting SSB and RACH configuration in CSI-RS based beam failure detection and link recovery tests**

*Type: CR For: Agreement  
 38.133 v17.0.0 CR-1790 Cat: A (Rel-17)  
  
 Source: Qualcomm CDMA Technologies*

**Abstract:**

Mirror CR of CR 1404 in R4-2102869

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

### 4.9 Demodulation and CSI requirements maintenance (38.101-4/38.104)[NR\_newRAT-Perf]

#### 4.9.1 UE demodulation requirements[NR\_newRAT-Perf]

**R4-2101441 Correction of CQI test parameters and FRC for UE demodulation test**

*Type: CR For: Agreement  
 38.101-4 v15.8.0 CR-0157 Cat: F (Rel-15)  
  
 Source: Ericsson*

**Abstract:**

This CR fix the errors in CQI test parameters and FRC in UE demodulation tests.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101442 Correction of CQI test parameters and FRC for UE demodulation test**

*Type: CR For: Agreement  
 38.101-4 v16.3.0 CR-0158 Cat: A (Rel-16)  
  
 Source: Ericsson*

**Abstract:**

This CR fix the errors in CQI test parameters and FRC in UE demodulation tests.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102824 CR on corrections for LTE-NR Co-existence tests and OCNG pattern**

*Type: CR For: Agreement  
 38.101-4 v15.8.0 CR-0167 Cat: F (Rel-15)  
  
 Source: Qualcomm Incorporated*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102828 CR on corrections for LTE-NR Co-existence tests and OCNG pattern**

*Type: CR For: Agreement  
 38.101-4 v16.3.0 CR-0168 Cat: A (Rel-16)  
  
 Source: Qualcomm Incorporated*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

#### 4.9.2 CSI requirements [NR\_newRAT-Perf]

**R4-2101945 CR on FRC for NR RI requirements (Rel-15)**

*Type: CR For: Agreement  
 38.101-4 v15.8.0 CR-0161 Cat: F (Rel-15)  
  
 Source: Intel Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101946 CR on FRC for NR RI requirements (Rel-16)**

*Type: CR For: Agreement  
 38.101-4 v16.3.0 CR-0162 Cat: A (Rel-16)  
  
 Source: Intel Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102870 CR to 38.101-4 on update to CSI reporting test parameters for Aperiodic reporting (R15)**

*Type: CR For: Agreement  
 38.101-4 v15.8.0 CR-0169 Cat: F (Rel-15)  
  
 Source: Apple*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102871 CR to 38.101-4 on update to CSI reporting test parameters for Aperiodic reporting (R16)**

*Type: CR For: Agreement  
 38.101-4 v16.3.0 CR-0170 Cat: A (Rel-16)  
  
 Source: Apple*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

#### 4.9.3 BS demodulation requirements [NR\_newRAT-Perf]

**R4-2100548 CR for 38.141-1: BS demodulation synchronization in test setup**

*Type: CR For: Agreement  
 38.141-1 v15.7.0 CR-0170 Cat: F (Rel-15)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Abstract:**

Include the sentence “In tests performed with signal generators a synchronization signal may be provided from the BS to the signal generator, to enable correct timing of the wanted signal” from the radiated test specificaiton also in the conducted test sp

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100549 CR for 38.141-1: BS demodulation synchronization in test setup**

*Type: CR For: Agreement  
 38.141-1 v16.6.0 CR-0171 Cat: A (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100550 CR for 38.141-1: BS demodulation synchronization in test setup**

*Type: CR For: Agreement  
 38.141-1 v17.0.0 CR-0172 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100551 CR for 38.141-1: BS demodulation different channel bandwidths applicability rules**

*Type: CR For: Agreement  
 38.141-1 v15.7.0 CR-0173 Cat: F (Rel-15)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Abstract:**

Modify the first sentence of the various “Applicability of requirements for different channel bandwidths” clauses, to clarify that test requirements apply for all supported CBWs.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100552 CR for 38.141-1: BS demodulation different channel bandwidths applicability rules**

*Type: CR For: Agreement  
 38.141-1 v16.6.0 CR-0174 Cat: A (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100553 CR for 38.141-1: BS demodulation different channel bandwidths applicability rules**

*Type: CR For: Agreement  
 38.141-1 v17.0.0 CR-0175 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100554 CR for 38.141-2: BS demodulation different channel bandwidths applicability rules**

*Type: CR For: Agreement  
 38.141-2 v15.8.0 CR-0266 Cat: F (Rel-15)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Abstract:**

Modify the first sentence of the various “Applicability of requirements for different channel bandwidths” clauses, to clarify that test requirements apply for all supported CBWs.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100555 CR for 38.141-2: BS demodulation different channel bandwidths applicability rules**

*Type: CR For: Agreement  
 38.141-2 v16.6.0 CR-0267 Cat: A (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100556 CR for 38.141-2: BS demodulation different channel bandwidths applicability rules**

*Type: CR For: Agreement  
 38.141-2 v17.0.0 CR-0268 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100557 On BS demodulation different channel bandwidths applicability rules and synchronization in test setup**

*Type: discussion For: Discussion  
 Source: Nokia, Nokia Shanghai Bell*

**Abstract:**

In this contribution, we have explained and motivated our CRs introducing BS demodulation specification text changes pertaining to the applicability of requirements for different channel bandwidths and synchronization signals in conducted test setups.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

### 4.10 Positioning specs maintenance (36.171, 37.171 and 38.171) [NR\_newRAT-Perf or TEI]

**R4-2100196 Analysis of RF interferences to A-GNSS Sensitivity requirements in NR and LTE**

*Type: discussion For: Discussion  
 Source: Apple*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101923 Frequency Bands for testing of A-GNSS Sensitivity in EN-DC**

*Type: discussion For: (not specified)  
 Source: Qualcomm Incorporated*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

### 4.11 Testability Maintenance (38.810) [FS\_NR\_test\_methods]

## 5 LTE maintenance (up to Rel15) [WI code or TEI]

### 5.1 BS RF requirements [WI code or TEI]

**R4-2101082 CR to TS 36.104: Additions of regional requirements for band 41 in Japan, Rel-15**

*Type: CR For: Agreement  
 36.104 v15.10.0 CR-4922 Cat: F (Rel-15)  
  
 Source: NEC, SoftBank, KDDI*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101083 CR to TS 36.104: Additions of regional requirements for band 41 in Japan, Rel-16**

*Type: CR For: Agreement  
 36.104 v16.8.0 CR-4923 Cat: A (Rel-16)  
  
 Source: NEC, SoftBank, KDDI*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101084 CR to TS 36.104: Additions of regional requirements for band 41 in Japan, Rel-17**

*Type: CR For: Agreement  
 36.104 v17.0.0 CR-4924 Cat: A (Rel-17)  
  
 Source: NEC, SoftBank, KDDI*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101085 CR to TS 36.141: Additions of regional requirements for band 41 in Japan, Rel-15**

*Type: CR For: Agreement  
 36.141 v15.11.0 CR-1290 Cat: F (Rel-15)  
  
 Source: NEC, SoftBank, KDDI*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101086 CR to TS 36.141: Additions of regional requirements for band 41 in Japan, Rel-16**

*Type: CR For: Agreement  
 36.141 v16.8.0 CR-1291 Cat: A (Rel-16)  
  
 Source: NEC, SoftBank, KDDI*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101087 CR to TS 36.141: Additions of regional requirements for band 41 in Japan, Rel-17**

*Type: CR For: Agreement  
 36.141 v17.0.0 CR-1292 Cat: A (Rel-17)  
  
 Source: NEC, SoftBank, KDDI*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

### 5.2 UE RF requirements [WI code or TEI]

**R4-2100053 CR for missing B48 references in a table and note**

*Type: CR For: Agreement  
 36.101 v14.17.0 CR-5713 Cat: F (Rel-14)  
  
 Source: C Spire Wireless*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100244 CR for missing B48 references in a table and note**

*Type: CR For: Agreement  
 36.101 v15.13.0 CR-5713 rev 1 Cat: A (Rel-15)  
  
 Source: C Spire Wireless*

**Discussion:**

[report of discussion]

**Decision:** The document was **withdrawn**.

**R4-2100645 CR for missing B48 references in a table and note**

*Type: CR For: Agreement  
 36.101 v15.13.0 CR-5717 Cat: A (Rel-15)  
  
 Source: C Spire Wireless*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100648 CR for missing B48 references in a table and note**

*Type: CR For: Agreement  
 36.101 v16.8.0 CR-5718 Cat: A (Rel-16)  
  
 Source: C Spire Wireless*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100651 CR for missing B48 references in a table and note**

*Type: CR For: Agreement  
 36.101 v17.0.0 CR-5719 Cat: A (Rel-17)  
  
 Source: C Spire Wireless*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101197 Addition of UE co-existence requirements for 40 and n40**

*Type: other For: Approval  
 Source: NTT DOCOMO, INC., SoftBank Corp., KDDI Corporation, Rakuten Mobile, Inc*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101802 CR for 36.101 to add missing spurious emissions for band 38 UE co-existence (Rel-16)**

*Type: CR For: Agreement  
 36.101 v16.8.0 CR-5721 Cat: F (Rel-16)  
  
 Source: Huawei, HiSilicon, DT*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101803 CR for 36.101 to add missing spurious emissions for band 38 UE co-existence (Rel-17)**

*Type: CR For: Agreement  
 36.101 v17.0.0 CR-5722 Cat: A (Rel-17)  
  
 Source: Huawei, HiSilicon, DT*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102098 Test frequencies for NB-IOT UE in standalone operation**

*Type: other For: Discussion  
 Source: Sony*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102437 A-MPR for LTE CA\_NS\_04 256QAM PC2**

*Type: discussion For: Approval  
 Source: Huawei, HiSilicon*

**Abstract:**

A-MPR values are proposed for LTE CA\_NS\_04 256QAM PC2 based on simulation results.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102596 CR for TS 36.101: Cleanup for spurious emissions for UE co-existence table**

*Type: CR For: Agreement  
 36.101 v15.13.0 CR-5724 Cat: F (Rel-15)  
  
 Source: Apple*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

### 5.3 RRM requirements [WI code or TEI]

**R4-2100457 CR on NCSG in 36.133**

*Type: CR For: Agreement  
 36.133 v15.12.0 CR-7013 Cat: F (Rel-15)  
  
 Source: CATT*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100458 CR on NCSG in 36.133**

*Type: CR For: Agreement  
 36.133 v16.8.0 CR-7014 Cat: A (Rel-16)  
  
 Source: CATT*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100459 CR on NCSG in 36.133**

*Type: CR For: Agreement  
 36.133 v17.0.0 CR-7015 Cat: A (Rel-17)  
  
 Source: CATT*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100813 CR for test requirements correction of SA event triggered reporting tests for FR1 inter-frequency measurements with SSB time index detection when DRX is used**

*Type: CR For: Agreement  
 38.133 v15.12.0 CR-1523 Cat: F (Rel-15)  
  
 Source: CMCC*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100814 CR for test requirements correction of SA event triggered reporting tests for FR1 inter-frequency measurements with SSB time index detection when DRX is used**

*Type: CR For: Agreement  
 38.133 v16.6.0 CR-1524 Cat: F (Rel-16)  
  
 Source: CMCC*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100815 CR for test requirements correction of SA event triggered reporting tests for FR1 inter-frequency measurements with SSB time index detection when DRX is used**

*Type: CR For: Agreement  
 38.133 v17.0.0 CR-1525 Cat: F (Rel-17)  
  
 Source: CMCC*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100873 CR for test requirements correction of SA event triggered reporting tests for FR1 inter-frequency measurements with SSB time index detection when DRX is used**

*Type: CR For: Agreement  
 38.133 v15.12.0 CR-1530 Cat: F (Rel-15)  
  
 Source: CMCC*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100874 CR for test requirements correction of SA event triggered reporting tests for FR1 inter-frequency measurements with SSB time index detection when DRX is used**

*Type: CR For: Agreement  
 38.133 v16.6.0 CR-1531 Cat: A (Rel-16)  
  
 Source: CMCC*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100875 CR for test requirements correction of SA event triggered reporting tests for FR1 inter-frequency measurements with SSB time index detection when DRX is used**

*Type: CR For: Agreement  
 38.133 v17.0.0 CR-1532 Cat: A (Rel-17)  
  
 Source: CMCC*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101453 CR: Correction of eMTC RLM test cases (Rel-14)**

*Type: CR For: Agreement  
 36.133 v14.17.0 CR-7019 Cat: F (Rel-14)  
  
 Source: Ericsson*

**Abstract:**

This CR corrects TBD and removes [] from Rel-14 eMTC early-OOS/early-IS tests.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101454 CR: Correction of eMTC RLM test cases**

*Type: CR For: Agreement  
 36.133 v15.12.0 CR-7020 Cat: F (Rel-15)  
  
 Source: Ericsson*

**Abstract:**

This CR corrects TBD and removes [] from Rel-14 eMTC early-OOS/early-IS tests.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101455 CR: Correction of eMTC RLM test cases**

*Type: CR For: Agreement  
 36.133 v16.8.0 CR-7021 Cat: A (Rel-16)  
  
 Source: Ericsson*

**Abstract:**

This CR corrects TBD and removes [] from Rel-14 eMTC early-OOS/early-IS tests.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101456 CR: Correction of eMTC RLM test cases**

*Type: CR For: Agreement  
 36.133 v17.0.0 CR-7022 Cat: A (Rel-17)  
  
 Source: Ericsson*

**Abstract:**

This CR corrects TBD and removes [] from Rel-14 eMTC early-OOS/early-IS tests.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102348 CR 36.133 (A.8.16.106) Correction of test case for direct SCell activation at addition**

*Type: CR For: Agreement  
 36.133 v15.12.0 CR-7038 Cat: F (Rel-15)  
  
 Source: Ericsson*

**Abstract:**

Addressing a missing MG configuration

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102349 CR 36.133 (A.8.16.106) Correction of test case for direct SCell activation at addition**

*Type: CR For: Agreement  
 36.133 v16.8.0 CR-7039 Cat: A (Rel-16)  
  
 Source: Ericsson*

**Abstract:**

Addressing a missing MG configuration

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102350 CR 36.133 (A.8.16.106) Correction of test case for direct SCell activation at addition**

*Type: CR For: Agreement  
 36.133 v17.0.0 CR-7040 Cat: A (Rel-17)  
  
 Source: Ericsson*

**Abstract:**

Addressing a missing MG configuration

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102693 Correction to applicability of E-UTRAN E-CID measurements requirements for NE-DC**

*Type: CR For: Agreement  
 36.133 v15.12.0 CR-7051 Cat: F (Rel-15)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Abstract:**

Correction of referencing errors in applicability for NE-DC

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102694 Correction to applicability of E-UTRAN E-CID measurements requirements for NE-DC**

*Type: CR For: Agreement  
 36.133 v16.8.0 CR-7052 Cat: A (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Abstract:**

Correction of referencing errors in applicability for NE-DC

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102695 Correction to applicability of E-UTRAN E-CID measurements requirements for NE-DC**

*Type: CR For: Agreement  
 36.133 v17.0.0 CR-7053 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Abstract:**

Correction of referencing errors in applicability for NE-DC

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102696 Correction to requirements for NCSG patterns**

*Type: CR For: Agreement  
 36.133 v14.17.0 CR-7054 Cat: F (Rel-14)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Abstract:**

Correction of referencing errors for NCSG patterns

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102697 Correction to requirements for NCSG patterns**

*Type: CR For: Agreement  
 36.133 v15.12.0 CR-7055 Cat: A (Rel-15)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Abstract:**

Correction of referencing errors for NCSG patterns

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102698 Correction to requirements for NCSG patterns**

*Type: CR For: Agreement  
 36.133 v16.8.0 CR-7056 Cat: A (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Abstract:**

Correction of referencing errors for NCSG patterns

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102699 Correction to requirements for NCSG patterns**

*Type: CR For: Agreement  
 36.133 v17.0.0 CR-7057 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Abstract:**

Correction of referencing errors for NCSG patterns

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102804 CR on TC for eMTC RSTD measurement R15**

*Type: CR For: Agreement  
 36.133 v15.12.0 CR-7074 Cat: F (Rel-15)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102805 CR on TC for eMTC RSTD measurement R16**

*Type: CR For: Agreement  
 36.133 v16.8.0 CR-7075 Cat: A (Rel-16)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102806 CR on TC for eMTC RSTD measurement R17**

*Type: CR For: Agreement  
 36.133 v17.0.0 CR-7076 Cat: A (Rel-17)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102807 CR on CRS muting for eMTC R15**

*Type: CR For: Agreement  
 36.133 v15.12.0 CR-7077 Cat: F (Rel-15)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102808 CR on CRS muting for eMTC R16**

*Type: CR For: Agreement  
 36.133 v16.8.0 CR-7078 Cat: A (Rel-16)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102809 CR on CRS muting for eMTC R17**

*Type: CR For: Agreement  
 36.133 v17.0.0 CR-7079 Cat: A (Rel-17)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

### 5.4 Demodulation and CSI requirements [WI code or TEI]

#### 5.4.1 UE demodulation and CSI requirements [WI code or TEI]

#### 5.4.2 BS demodulation requirements [WI code or TEI]

## 6 Rel-16 Work Items for LTE

### 6.1 Additional MTC enhancements for LTE [LTE\_eMTC5]

#### 6.1.1 RF core requirements maintenance [LTE\_eMTC5-Core]

#### 6.1.2 RRM requirements maintenance [LTE\_eMTC5-Core/Perf]

**R4-2101457 Correction Rel-16 eMTC RRM performance requirements**

*Type: CR For: Agreement  
 36.133 v16.8.0 CR-7023 Cat: F (Rel-16)  
  
 Source: Ericsson*

**Abstract:**

This CR corrects RRM performance requirements defined in Rel-16 eMTC WI.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101458 Correction Rel-16 eMTC RRM performance requirements**

*Type: CR For: Agreement  
 36.133 v17.0.0 CR-7024 Cat: A (Rel-17)  
  
 Source: Ericsson*

**Abstract:**

This CR corrects RRM performance requirements defined in Rel-16 eMTC WI.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102247 Discussions on RRM maintenance issues for Rel-16 eMTC UE**

*Type: discussion For: Discussion  
 Source: Ericsson*

**Abstract:**

In this contribution we discuss the open issues that were identified at last meeting with regard to INACTIVE state operation and RSS based measurement for release 16 eMTC.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102296 On RSS measurement requirements**

*Type: discussion For: Discussion  
 Source: Qualcomm Incorporated*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102796 Discussion on remaining issues in RSS measurement and RRC\_Inactive state**

*Type: LS out For: Approval  
 to RAN1, cc RAN2  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102797 CR on eMTC RRM requirements**

*Type: CR For: Agreement  
 36.133 v16.8.0 CR-7072 Cat: F (Rel-16)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102798 CR on eMTC RRM requirements R17**

*Type: CR For: Agreement  
 36.133 v17.0.0 CR-7073 Cat: A (Rel-17)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

### 6.2 Additional enhancements for NB-IoT [NB\_IOTenh3]

#### 6.2.1 RF core requirements maintenance [NB\_IOTenh3-Core]

#### 6.2.2 RRM requirements maintenance [NB\_IOTenh3-Core/Perf]

**R4-2101654 CR on maintenance for measurement on non-anchor carrier for NB-IoT**

*Type: CR For: Agreement  
 36.133 v16.8.0 CR-7027 Cat: F (Rel-16)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101655 CR on maintenance for measurement on non-anchor carrier for NB-IoT**

*Type: CR For: Agreement  
 36.133 v17.0.0 CR-7028 Cat: A (Rel-17)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102234 Correction to PUR requirements for NB1 UE**

*Type: CR For: Agreement  
 36.133 v17.0.0 CR-7033 Cat: A (Rel-17)  
  
 Source: Ericsson*

**Abstract:**

PUR requirements have been aligned between category M1 and NB1 UEs. Regarding the use of relaxation factor N in the measurement validation expression, the description of N is not aligned.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102235 Correction to PUR requirements for NB1 UE**

*Type: CR For: Agreement  
 36.133 v16.8.0 CR-7034 Cat: F (Rel-16)  
  
 Source: Ericsson*

**Abstract:**

PUR requirements have been aligned between category M1 and NB1 UEs. Regarding the use of relaxation factor N in the measurement validation expression, the description of N is not aligned.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

### 6.3 Even further Mobility enhancement in E-UTRAN [LTE\_feMob]

#### 6.3.1 RRM core requirements maintenance [LTE\_feMob-Core]

**R4-2101207 TDD UL-DL and DL-UL switching in LTE DAPS handover**

*Type: discussion For: Discussion  
 Source: Ericsson*

**Abstract:**

Further clarification on DL-to-UL and UL-to-DL switching time

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101208 Correction on the synchronous condition for DAPS handover**

*Type: CR For: Agreement  
 36.133 v16.8.0 CR-7017 Cat: F (Rel-16)  
  
 Source: Ericsson*

**Abstract:**

Add conditions for not expected to transmit / not expected to receive covering both source and target cell. Add autonomous interruption allowance if these conditions are unspecified.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101209 Correction on the synchronous condition for DAPS handover**

*Type: CR For: Agreement  
 36.133 v17.0.0 CR-7018 Cat: A (Rel-17)  
  
 Source: Ericsson*

**Abstract:**

Add conditions for not expected to transmit / not expected to receive covering both source and target cell. Add autonomous interruption allowance if these conditions are unspecified.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101697 Clarification on asynchronous DAPS handover**

*Type: CR For: Agreement  
 36.133 v16.8.0 CR-7029 Cat: F (Rel-16)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101698 Clarification on asynchronous DAPS handover**

*Type: CR For: Agreement  
 36.133 v17.0.0 CR-7030 Cat: A (Rel-17)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

#### 6.3.2 RRM perf. requirements [LTE\_feMob-Perf]

##### 6.3.2.1 General [LTE\_feMob-Perf]

##### 6.3.2.2 Test cases [LTE\_feMob-Perf]

**R4-2101699 Test cases for inter-frequency DAPS handover**

*Type: CR For: Agreement  
 36.133 v16.8.0 CR-7031 Cat: B (Rel-16)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101700 Test cases for inter-frequency DAPS handover**

*Type: CR For: Agreement  
 36.133 v17.0.0 CR-7032 Cat: A (Rel-17)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102485 CR on 36133 LTE FDD-TDD inter-F sync DAPS HO TCs**

*Type: CR For: Agreement  
 36.133 v16.8.0 CR-7043 Cat: B (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Abstract:**

Test cases for LTE FDD-TDD inter-band inter-F sync DAPS HO.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102486 CR on 36133 LTE FDD-TDD inter-F sync DAPS HO TCs - Cat-A**

*Type: CR For: Agreement  
 36.133 v17.0.0 CR-7044 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Abstract:**

Mirror CR for Rel17 on test cases for LTE FDD-TDD inter-band inter-F sync DAPS HO.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102632 Addition of missing async FDD-TDD and TDD-FDD LTE interband interfrquency DAPS handover tests**

*Type: CR For: Agreement  
 36.133 v16.8.0 CR-7047 Cat: F (Rel-16)  
  
 Source: Ericsson*

**Abstract:**

The side conditions are related to one shot timing adjustment, which was removed. The annex is no more applicable and is removed.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102633 Addition of missing async FDD-TDD and TDD-FDD LTE interband interfrquency DAPS handover tests**

*Type: CR For: Agreement  
 36.133 v17.0.0 CR-7048 Cat: A (Rel-17)  
  
 Source: Ericsson*

**Abstract:**

The side conditions are related to one shot timing adjustment, which was removed. The annex is no more applicable and is removed.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

### 6.4 R16 LTE maintenance [WI code]

#### 6.4.1 BS RF requirements [WI code]

#### 6.4.2 UE RF requirements [WI code]

**R4-2102604 CR for TS 36.101: Cleanup for spurious emissions for UE co-existence table**

*Type: CR For: Agreement  
 36.101 v16.8.0 CR-5725 Cat: F (Rel-16)  
  
 Source: Apple*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102605 CR for TS 36.101: Cleanup for spurious emissions for UE co-existence table**

*Type: CR For: Agreement  
 36.101 v17.0.0 CR-5726 Cat: A (Rel-17)  
  
 Source: Apple*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

#### 6.4.3 RRM requirements [WI code]

**R4-2102248 Clarification for performance requirements tests for euCA**

*Type: CR For: Agreement  
 36.133 v16.8.0 CR-7036 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102249 Clarification for performance requirements tests for euCA**

*Type: CR For: Agreement  
 36.133 v17.0.0 CR-7037 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

#### 6.4.4 Demodulation and CSI requirements [WI code]

##### 6.4.4.1 UE demodulation and CSI requirements [WI code]

##### 6.4.4.2 BS demodulation requirements [WI code]

## 7 Rel-16 non-spectrum related work items for NR

### 7.1 NR-based access to unlicensed spectrum [NR\_unlic]

#### 7.1.1 System parameters maintenance [NR\_unlic-Core]

**R4-2100511 NR-U wideband operation and intra-carrier guard bands**

*Type: discussion For: Decision  
 Source: Apple Inc.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100512 Corrections of NR-U wideband operation intra-carrier guard bands**

*Type: CR For: Agreement  
 38.101-1 v16.6.0 CR-0619 Cat: F (Rel-16)  
  
 Source: Apple Inc.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100513 Corrections of NR-U wideband operation intra-carrier guard bands**

*Type: CR For: Agreement  
 38.101-1 v17.0.0 CR-0620 Cat: A (Rel-17)  
  
 Source: Apple Inc.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101720 Applicability of minimum requirements for shared spectrum access**

*Type: CR For: Agreement  
 38.101-1 v16.6.0 CR-0647 Cat: F (Rel-16)  
  
 Source: Ericsson*

**Abstract:**

CR to add the applicability of minimum requirements for DL (Mode 1) and UL

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101968 CR to TS 38.104: system parameters maintenance for NR-U**

*Type: CR For: Agreement  
 38.104 v16.6.0 CR-0281 Cat: F (Rel-16)  
  
 Source: ZTE Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101969 CR to TS 38.104: system parameters maintenance for NR-U**

*Type: CR For: Agreement  
 38.104 v17.0.0 CR-0282 Cat: A (Rel-17)  
  
 Source: ZTE Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101970 CR to TS 38.101-1: system parameters maintenance for NR-U**

*Type: CR For: Agreement  
 38.101-1 v16.6.0 CR-0662 Cat: F (Rel-16)  
  
 Source: ZTE Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101971 CR to TS 38.101-1: system parameters maintenance for NR-U**

*Type: CR For: Agreement  
 38.101-1 v17.0.0 CR-0663 Cat: A (Rel-17)  
  
 Source: ZTE Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

#### 7.1.2 UE RF requirements maintenance [NR\_unlic-Core]

##### 7.1.2.1 Transmitter characteristics [NR\_unlic-Core]

**R4-2101932 NR-U - On Intra-cell guardbands**

*Type: discussion For: Approval  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102412 Notational amendment and correction to PCMAX for EN-DC**

*Type: CR For: Agreement  
 38.101-3 v16.6.0 CR-0487 Cat: F (Rel-16)  
  
 Source: Qualcomm Incorporated*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102413 Notational amendment and correction to PCMAX for EN-DC**

*Type: CR For: Agreement  
 38.101-3 v17.0.0 CR-0488 Cat: A (Rel-17)  
  
 Source: Qualcomm Incorporated*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

##### 7.1.2.2 Receiver characteristics [NR\_unlic-Core]

#### 7.1.3 BS RF requirements maintenance [NR\_unlic-Core]

**R4-2101972 CR to TS 36.104: corrections of NR-U BS RF requirements**

*Type: CR For: Agreement  
 36.104 v16.8.0 CR-4925 Cat: F (Rel-16)  
  
 Source: ZTE Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101973 CR to TS 36.104: corrections of NR-U BS RF requirements**

*Type: CR For: Agreement  
 36.104 v17.0.0 CR-4926 Cat: A (Rel-17)  
  
 Source: ZTE Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101974 CR to TS 37.104: corrections of NR-U BS RF requirements**

*Type: CR For: Agreement  
 37.104 v16.8.0 CR-0922 Cat: F (Rel-16)  
  
 Source: ZTE Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101975 CR to TS 37.104: corrections of NR-U BS RF requirements**

*Type: CR For: Agreement  
 37.104 v17.0.0 CR-0923 Cat: A (Rel-17)  
  
 Source: ZTE Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101976 CR to TS 37.105: corrections of NR-U BS RF requirements**

*Type: CR For: Agreement  
 37.105 v16.6.0 CR-0220 Cat: F (Rel-16)  
  
 Source: ZTE Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101977 CR to TS 37.105: corrections of NR-U BS RF requirements**

*Type: CR For: Agreement  
 37.105 v17.0.0 CR-0221 Cat: A (Rel-17)  
  
 Source: ZTE Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

##### 7.1.3.1 General [NR\_unlic-Core]

##### 7.1.3.2 Transmitter characteristics [NR\_unlic-Core]

**R4-2101978 CR to TS 38.104: corrections of NR-U BS Tx requirements**

*Type: CR For: Agreement  
 38.104 v16.6.0 CR-0283 Cat: F (Rel-16)  
  
 Source: ZTE Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101979 CR to TS 38.104: corrections of NR-U BS Tx requirements**

*Type: CR For: Agreement  
 38.104 v17.0.0 CR-0284 Cat: A (Rel-17)  
  
 Source: ZTE Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102835 CR to TS 38.104 corrections to NR-U BS RF Tx requirements**

*Type: CR For: Agreement  
 38.104 v16.6.0 CR-0296 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102836 CR to TS 38.104 corrections to NR-U BS RF Tx requirements**

*Type: CR For: Agreement  
 38.104 v17.0.0 CR-0297 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

##### 7.1.3.3 Receiver characteristics [NR\_unlic-Core]

**R4-2101980 CR to TS 38.104: corrections of NR-U BS Rx requirements**

*Type: CR For: Agreement  
 38.104 v16.6.0 CR-0285 Cat: F (Rel-16)  
  
 Source: ZTE Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101981 CR to TS 38.104: corrections of NR-U BS Rx requirements**

*Type: CR For: Agreement  
 38.104 v17.0.0 CR-0286 Cat: A (Rel-17)  
  
 Source: ZTE Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102837 CR to TS 38.104 corrections to NR-U BS RF Rx requirements**

*Type: CR For: Agreement  
 38.104 v16.6.0 CR-0298 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102838 CR to TS 38.104 corrections to NR-U BS RF Rx requirements**

*Type: CR For: Agreement  
 38.104 v17.0.0 CR-0299 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

#### 7.1.4 BS conformance testing [NR\_unlic-Perf]

**R4-2101982 CR to TS 38.141-1: introduction of NR-U BS**

*Type: CR For: Agreement  
 38.141-1 v16.6.0 CR-0195 Cat: B (Rel-16)  
  
 Source: ZTE Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101983 CR to TS 38.141-1: introduction of NR-U BS**

*Type: CR For: Agreement  
 38.141-1 v17.0.0 CR-0196 Cat: A (Rel-17)  
  
 Source: ZTE Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101984 CR to TS 36.141: introduction of NR-U BS**

*Type: CR For: Agreement  
 36.141 v16.8.0 CR-1293 Cat: B (Rel-16)  
  
 Source: ZTE Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101985 CR to TS 36.141: introduction of NR-U BS**

*Type: CR For: Agreement  
 36.141 v17.0.0 CR-1294 Cat: A (Rel-17)  
  
 Source: ZTE Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

##### 7.1.4.1 General [NR\_unlic-Perf]

**R4-2101566 On NR-U measurement uncertainties for BS conformance tests**

*Type: other For: Approval  
 Source: Nokia, Nokia Shanghai Bell*

**Abstract:**

In this contribution we continue discussion on NR-U measurement uncertainties for BS conformance tests.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102444 Draft CR to 37.141: Introduction of NR-U co-existence requirements**

*Type: draftCR For: Endorsement  
 37.141 v17.0.0  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

##### 7.1.4.2 Transmitter characteristics [NR\_unlic-Perf]

**R4-2101567 Draft CR to TS 37.107 With NR-U intorduction for performance part**

*Type: draftCR For: Endorsement  
 37.107 v16.2.0  
 Source: Nokia, Nokia Shanghai Bell*

**Abstract:**

This is draft CR to TS 37.107 with updates related to NR-U introduction for perfromance part.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101733 TS 37.145-2: Tx spurious limits for co-existence and co-location with of NR-based access to unlicensed spectrum (NR-U)**

*Type: CR For: Agreement  
 37.145-2 v16.6.0 CR-0276 Cat: B (Rel-16)  
  
 Source: Ericsson*

**Abstract:**

Introduction of tx spurious emission limits for co-existence and co-location with NR-U in bands n46 and n96

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101734 TS 37.145-2: Tx spurious limits for co-existence and co-location with of NR-based access to unlicensed spectrum (NR-U)**

*Type: CR For: Agreement  
 37.145-2 v17.0.0 CR-0277 Cat: A (Rel-17)  
  
 Source: Ericsson*

**Abstract:**

Introduction of tx spurious emission limits for co-existence and co-location with NR-U in bands n46 and n96

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101735 TS 38.141-2: Tx spurious limits for co-existence and co-location with of NR-based access to unlicensed spectrum (NR-U)**

*Type: CR For: Agreement  
 38.141-2 v16.6.0 CR-0293 Cat: B (Rel-16)  
  
 Source: Ericsson*

**Abstract:**

Introduction of tx spurious emission limits for co-existence and co-location with NR-U in bands n46 and n96

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101736 TS 38.141-2: Tx spurious limits for co-existence and co-location with of NR-based access to unlicensed spectrum (NR-U)**

*Type: CR For: Agreement  
 38.141-2 v17.0.0 CR-0294 Cat: A (Rel-17)  
  
 Source: Ericsson*

**Abstract:**

Introduction of tx spurious emission limits for co-existence and co-location with NR-U in bands n46 and n96

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

##### 7.1.4.3 Receiver characteristics [NR\_unlic-Perf]

**R4-2102144 TS 37.145-2: Rx blocking limits for co-existence and co-location with of NR-based access to unlicensed spectrum (NR-U)**

*Type: CR For: Agreement  
 37.145-2 v16.6.0 CR-0278 Cat: B (Rel-16)  
  
 Source: Ericsson*

**Abstract:**

Introduction of rx blocking limits for co-existence and co-location with NR-U in bands n46 and n96

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102145 TS 37.145-2: RX blocking limits for co-existence and co-location with of NR-based access to unlicensed spectrum (NR-U)**

*Type: CR For: Agreement  
 37.145-2 v17.0.0 CR-0279 Cat: A (Rel-17)  
  
 Source: Ericsson*

**Abstract:**

Introduction of rx blocking limits for co-existence and co-location with NR-U in bands n46 and n96

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

#### 7.1.5 RRM core requirements maintenance (38.133) [NR\_unlic-Core]

##### 7.1.5.1 General [NR\_unlic-Core]

**R4-2100769 Discussion on terminology for NR-U RRM requirements**

*Type: discussion For: Discussion  
 Source: MediaTek inc.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101636 Discussion on terminology updates for NR-U**

*Type: discussion For: Discussion  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102237 Maintenance CR for NR-U core requirements**

*Type: CR For: Agreement  
 38.133 v17.0.0 CR-1691 Cat: A (Rel-17)  
  
 Source: Ericsson*

**Abstract:**

Maintenance CR including changes to the core NR-U requirements.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102238 Maintenance CR for NR-U core requirements**

*Type: CR For: Agreement  
 38.133 v16.6.0 CR-1692 Cat: F (Rel-16)  
  
 Source: Ericsson*

**Abstract:**

Maintenance CR including changes to the core NR-U requirements.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102518 On SSB availability to meet NR-U requirements in DRX**

*Type: discussion For: Discussion  
 Source: Ericsson*

**Abstract:**

On SSB availability to meet NR-U requirements in DRX

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102519 Terminology updates for NR-U in 38.133**

*Type: CR For: Agreement  
 38.133 v16.6.0 CR-1726 Cat: F (Rel-16)  
  
 Source: Ericsson*

**Abstract:**

Terminology updates for NR-U in 38.133

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102520 Terminology updates for NR-U in 38.133**

*Type: CR For: Agreement  
 38.133 v17.0.0 CR-1727 Cat: A (Rel-17)  
  
 Source: Ericsson*

**Abstract:**

Terminology updates for NR-U in 38.133

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102521 Terminology updates for NR-U in 36.133**

*Type: CR For: Agreement  
 36.133 v16.8.0 CR-7045 Cat: F (Rel-16)  
  
 Source: Ericsson*

**Abstract:**

Terminology updates for NR-U in 36.133

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102522 Terminology updates for NR-U in 36.133**

*Type: CR For: Agreement  
 36.133 v17.0.0 CR-7046 Cat: A (Rel-17)  
  
 Source: Ericsson*

**Abstract:**

Terminology updates for NR-U in 36.133

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

##### 7.1.5.2 RRC connection mobility control [NR\_unlic-Core]

**R4-2100050 Random access in NR-U**

*Type: discussion For: Discussion  
 Source: ZTE Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100051 [CR] Add Random Access requirements under NR-U**

*Type: CR For: Agreement  
 38.133 v16.6.0 CR-1415 Cat: B (Rel-16)  
  
 Source: ZTE Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101100 [CR] Add Random Access requirements under NR-U (Cat A)**

*Type: CR For: Agreement  
 38.133 v17.0.0 CR-1557 Cat: A (Rel-17)  
  
 Source: ZTE Corporation*

**Abstract:**

Cat A CR corresponding to R4-2100051.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101424 Remaining open issues on connection mobility control in NR-U**

*Type: discussion For: Discussion  
 Source: Ericsson*

**Abstract:**

This contribution discusses the remaining open issues on the connection mobility control in NR-U, that is, random access procedure and maximum SI acquisition time.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101425 CR: Introduction of random access requirements with CCA**

*Type: CR For: Agreement  
 38.133 v16.6.0 CR-1601 Cat: B (Rel-16)  
  
 Source: Ericsson*

**Abstract:**

This CR provides random access procedure with CCA.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101426 CR: Introduction of random access requirements with CCA**

*Type: CR For: Agreement  
 38.133 v17.0.0 CR-1602 Cat: A (Rel-17)  
  
 Source: Ericsson*

**Abstract:**

This CR provides random access procedure with CCA.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101637 Discussion on remaining issues for random access for NR-U**

*Type: discussion For: Discussion  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102641 Analysis of impact of RA with CCA on RRM requirements in NR-U**

*Type: other For: Discussion  
 Source: Ericsson*

**Abstract:**

The paper discusses impact on NR-U requirements when 2-step and 4-step RA subject to CCA are used

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102642 Applicability of RA with CCA on RRM requirements in NR-U in 38.133**

*Type: CR For: Agreement  
 38.133 v16.6.0 CR-1738 Cat: F (Rel-16)  
  
 Source: Ericsson*

**Abstract:**

The CR on applicability of 2-step and 4-step RA subject to CCA to NR-U RRM requirements in 38.133

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102643 Applicability of RA with CCA on RRM requirements in NR-U in 38.133**

*Type: CR For: Agreement  
 38.133 v17.0.0 CR-1739 Cat: A (Rel-17)  
  
 Source: Ericsson*

**Abstract:**

The CR on applicability of 2-step and 4-step RA subject to CCA to NR-U RRM requirements in 38.133

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102644 Applicability of RA with CCA on RRM requirements in NR-U in 36.133**

*Type: CR For: Agreement  
 36.133 v16.8.0 CR-7049 Cat: F (Rel-16)  
  
 Source: Ericsson*

**Abstract:**

The CR on applicability of 2-step and 4-step RA subject to CCA to NR-U RRM requirements in 36.133

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102645 Applicability of RA with CCA on RRM requirements in NR-U in 36.133**

*Type: CR For: Agreement  
 36.133 v17.0.0 CR-7050 Cat: A (Rel-17)  
  
 Source: Ericsson*

**Abstract:**

The CR on applicability of 2-step and 4-step RA subject to CCA to NR-U RRM requirements in 36.133

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102920 Random Access requirements in NR-U**

*Type: discussion For: Discussion  
 Source: Qualcomm Incorporated*

**Abstract:**

In this paper, we discuss Random Access requirements in NR-U

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

##### 7.1.5.3 SCell activation/deactivation (delay and interruption) [NR\_unlic-Core]

**R4-2100065 Remaining issues in SCell activation under NR-U**

*Type: discussion For: Discussion  
 Source: ZTE Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101130 SCell (de)activation requirement applicability when sCellDeactivationTimer is not configured**

*Type: discussion For: Discussion  
 Source: Nokia*

**Abstract:**

Discussion and LS text proposal about requirement applicability when sCellDeactivationTimer is not configured.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101638 CR on requirement maintenance for SCell activation and deactivation for NR-U**

*Type: CR For: Agreement  
 38.133 v16.6.0 CR-1628 Cat: F (Rel-16)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101639 CR on requirement maintenance for SCell activation and deactivation for NR-U**

*Type: CR For: Agreement  
 38.133 v17.0.0 CR-1629 Cat: A (Rel-17)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101640 Discussion on remaining issues for SCell activation and deactivation for NR-U**

*Type: discussion For: Discussion  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102515 On remaining issues for SCell activation in NR-U**

*Type: discussion For: Discussion  
 Source: Ericsson*

**Abstract:**

On remaining issues for SCell activation in NR-U

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102516 Updates in SCell activation in NR-U**

*Type: CR For: Agreement  
 38.133 v16.6.0 CR-1724 Cat: F (Rel-16)  
  
 Source: Ericsson*

**Abstract:**

Updates in SCell activation in NR-U

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102517 Updates in SCell activation in NR-U**

*Type: CR For: Agreement  
 38.133 v17.0.0 CR-1725 Cat: A (Rel-17)  
  
 Source: Ericsson*

**Abstract:**

Updates in SCell activation in NR-U

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102919 Interruptions during SCell activation in NR-U**

*Type: discussion For: Discussion  
 Source: Qualcomm Incorporated*

**Abstract:**

In this paper, we discuss remaining open issues interruptions during Scell activation in NR-U

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102922 CR on Interruptions during Scell activation in NR-U**

*Type: CR For: Agreement  
 38.133 v16.6.0 CR-1791 Cat: F (Rel-16)  
  
 Source: Qualcomm Incorporated*

**Abstract:**

The CR updates clause 8.3A based on agreements related to interruptions during Scell activation requirements.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102923 CR on Interruptions during Scell activation in NR-U**

*Type: CR For: Agreement  
 38.133 v17.0.0 CR-1792 Cat: A (Rel-17)  
  
 Source: Qualcomm Incorporated*

**Abstract:**

The CR updates clause 8.3A based on agreements related to interruptions during Scell activation requirements.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

##### 7.1.5.4 Active TCI state switching [NR\_unlic-Core]

**R4-2102720 CR on Active TCI state switching for NR-U**

*Type: CR For: Agreement  
 38.133 v16.6.0 CR-1743 Cat: F (Rel-16)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102721 CR on Active TCI state switching for NR-U (cat A)**

*Type: CR For: Agreement  
 38.133 v17.0.0 CR-1744 Cat: A (Rel-17)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

##### 7.1.5.5 RLM [NR\_unlic-Core]

**R4-2102512 On remaining issues for RLM in NR-U**

*Type: discussion For: Discussion  
 Source: Ericsson*

**Abstract:**

On remaining issues for RLM in NR-U

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102513 Updates in RLM requirements for NR-U**

*Type: CR For: Agreement  
 38.133 v16.6.0 CR-1722 Cat: F (Rel-16)  
  
 Source: Ericsson*

**Abstract:**

Updates in RLM requirements for NR-U

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102514 Updates in RLM requirements for NR-U**

*Type: CR For: Agreement  
 38.133 v17.0.0 CR-1723 Cat: A (Rel-17)  
  
 Source: Ericsson*

**Abstract:**

Updates in RLM requirements for NR-U

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

##### 7.1.5.6 Beam management [NR\_unlic-Core]

**R4-2100063 [CR] UE behavior when cannot transmit ACK due to LBT failure for MAC-CE deactivation**

*Type: CR For: Agreement  
 38.133 v16.6.0 CR-1419 Cat: B (Rel-16)  
  
 Source: ZTE Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **withdrawn**.

**R4-2100064 [CR] UE behavior when cannot transmit ACK due to LBT failure for MAC-CE deactivation (Cat A)**

*Type: CR For: Agreement  
 38.133 v17.0.0 CR-1420 Cat: A (Rel-17)  
  
 Source: ZTE Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100066 [CR] UE behavior when cannot transmit ACK due to LBT failure for MAC-CE deactivation**

*Type: CR For: Agreement  
 38.133 v16.6.0 CR-1421 Cat: F (Rel-16)  
  
 Source: ZTE Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101427 Remaining open issues on beam management in NR-U**

*Type: discussion For: Discussion  
 Source: Ericsson*

**Abstract:**

This contribution discusses the remaining open issues on beam management in NR-U.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101428 CR: Beam management requirements with CCA**

*Type: CR For: Agreement  
 38.133 v16.6.0 CR-1603 Cat: F (Rel-16)  
  
 Source: Ericsson*

**Abstract:**

This CR updates the specification of BFD/CBD and L1-RSRP reporting with CCA

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101429 CR: Beam management requirements with CCA**

*Type: CR For: Agreement  
 38.133 v17.0.0 CR-1604 Cat: A (Rel-17)  
  
 Source: Ericsson*

**Abstract:**

This CR updates the specification of BFD/CBD and L1-RSRP reporting with CCA

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

##### 7.1.5.7 Measurement requirements [NR\_unlic-Core]

**R4-2100191 On RSSI measurement in NR-U**

*Type: discussion For: Discussion  
 38.133 v..  
 Source: Apple*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100510 Remaining issues on intra and inter frequency measurements under NR-U**

*Type: discussion For: Discussion  
 Source: ZTE Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100770 Discussion on measurement requirements for NR-U**

*Type: discussion For: Discussion  
 Source: MediaTek inc.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101641 CR on measurement requirements for NR-U**

*Type: CR For: Agreement  
 38.133 v16.6.0 CR-1630 Cat: F (Rel-16)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101642 CR on measurement requirements for NR-U**

*Type: CR For: Agreement  
 38.133 v17.0.0 CR-1631 Cat: A (Rel-17)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101643 Discussion on measurement requirements for NR-U**

*Type: discussion For: Discussion  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102526 RSSI measurement bandwidth**

*Type: draftCR For: Endorsement  
 38.133 v16.6.0  
 Source: Ericsson*

**Abstract:**

RSSI measurement bandwidth

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

##### 7.1.5.8 Measurement capability and reporting criteria [NR\_unlic-Core]

##### 7.1.5.9 Timing [NR\_unlic-Core]

**R4-2100062 Discussions on UE transmit timing and reference cell under NR-U**

*Type: discussion For: Discussion  
 Source: ZTE Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100188 On reference cell availability for NR-U**

*Type: discussion For: Discussion  
 38.133 v..  
 Source: Apple*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100189 CR on reference cell availability for NR-U R16**

*Type: CR For: Agreement  
 38.133 v16.6.0 CR-1451 Cat: F (Rel-16)  
  
 Source: Apple*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100190 CR on reference cell availability for NR-U R17**

*Type: CR For: Agreement  
 38.133 v17.0.0 CR-1452 Cat: A (Rel-17)  
  
 Source: Apple*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100771 Discussion on timing requirements for NR-U**

*Type: discussion For: Discussion  
 Source: MediaTek inc.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101644 CR on timing requirements for NR-U**

*Type: CR For: Agreement  
 38.133 v16.6.0 CR-1632 Cat: F (Rel-16)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101645 CR on timing requirements for NR-U**

*Type: CR For: Agreement  
 38.133 v17.0.0 CR-1633 Cat: A (Rel-17)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101646 Discussion on timing requirements for NR-U**

*Type: discussion For: Discussion  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102646 On UE transmit timing under DL LBT failure in reference cell**

*Type: other For: Discussion  
 Source: Ericsson*

**Abstract:**

The paper discusses open issues on timing

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

##### 7.1.5.10 Other requirements [NR\_unlic-Core]

**R4-2101014 On PL-RS switch and CGI reading for NR-U**

*Type: discussion For: Discussion  
 38.133 v..  
 Source: Apple*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101131 Random access requirements in NR-U**

*Type: discussion For: Discussion  
 Source: Nokia*

**Abstract:**

Discussion about random access requirements for 2-step and 4-step RACH for NR-U.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101132 CR to 38.133 - Introducing NR-U random access requirements**

*Type: CR For: Agreement  
 38.133 v16.6.0 CR-1558 Cat: B (Rel-16)  
  
 Source: Nokia*

**Abstract:**

CR to introduce RA requirements for 2-step and 4-step RACH.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102724 CR on PSCell Addition requirements for NR-U**

*Type: CR For: Agreement  
 38.133 v16.6.0 CR-1747 Cat: F (Rel-16)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102725 CR on PSCell Addition requirements for NR-U (cat A)**

*Type: CR For: Agreement  
 38.133 v17.0.0 CR-1748 Cat: A (Rel-17)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102823 CR to 38.133 - Introducing NR-U random access requirements**

*Type: CR For: Agreement  
 38.133 v17.0.0 CR-1774 Cat: A (Rel-17)  
  
 Source: Nokia*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

#### 7.1.6 RRM perf. requirements (38.133) [NR\_unlic-Perf]

##### 7.1.6.1 General [NR\_unlic-Perf]

**R4-2101647 Discussion on RRM performance requirements for NR-U**

*Type: discussion For: Discussion  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101648 Discussion on RRM test configurations for NR-U**

*Type: discussion For: Discussion  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102523 Draft Big CR: Introduction of Rel-16 NR-U RRM performance requirements**

*Type: draftCR For: Endorsement  
 38.133 v16.6.0  
 Source: Ericsson*

**Abstract:**

Draft Big CR: Introduction of Rel-16 NR-U RRM performance requirements

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102524 Updated test case list for NR-U**

*Type: other For: Approval  
 Source: Ericsson*

**Abstract:**

Updated test case list for NR-U

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102525 NR-U test cases structure**

*Type: draftCR For: Endorsement  
 38.133 v16.6.0  
 Source: Ericsson*

**Abstract:**

NR-U test cases structure

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102921 Performance requirements in NR-U**

*Type: discussion For: Discussion  
 Source: Qualcomm Incorporated*

**Abstract:**

In this paper, we discuss the various topics on performance requirements in NR-U

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

##### 7.1.6.2 Common RRM test configuration [NR\_unlic-Perf]

**R4-2100772 Discussion on general test setting for NR-U test cases**

*Type: discussion For: Discussion  
 Source: MediaTek inc.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100834 Configurations for NR-U RRM test cases**

*Type: discussion For: Discussion  
 Source: ZTE Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101133 Discussion on NR-U RRM test configurations**

*Type: discussion For: Discussion  
 Source: Nokia*

**Abstract:**

Discussion about LBT model and other details of test configurations for NR-U.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101430 Common test parameters for NR-U RRM tests**

*Type: discussion For: Discussion  
 Source: Ericsson*

**Abstract:**

This contribution discusses the RMC used for NR-U RRM test cases.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101431 Draft CR: RMC for NR-U test cases**

*Type: draftCR For: Endorsement  
 38.133 v16.6.0  
 Source: Ericsson*

**Abstract:**

This draft CR define RMCs used for NR-U RRM test cases.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

##### 7.1.6.3 Test cases [NR\_unlic-Perf]

###### 7.1.6.3.1 General [NR\_unlic-Perf]

**R4-2100773 Discussion on RRM test cases in NR-U**

*Type: discussion For: Discussion  
 Source: MediaTek inc.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100833 Scope of test cases for NR-U**

*Type: discussion For: Discussion  
 Source: ZTE Corporation*

**Abstract:**

This paper discusses the planned scope of NR-U test cases with respect to the potential updates in core requirements.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101134 NR-U RRM test case list updates**

*Type: discussion For: Discussion  
 Source: Nokia*

**Abstract:**

Proposal for updates in the NR-U test case list.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102527 On CCA model in NR-U test cases**

*Type: discussion For: Discussion  
 Source: Ericsson*

**Abstract:**

On CCA model in NR-U test cases

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102528 CCA model in NR-U test cases**

*Type: draftCR For: Endorsement  
 38.133 v16.6.0  
 Source: Ericsson*

**Abstract:**

CCA model in NR-U test cases

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

###### 7.1.6.3.2 RRC IDLE, cell re-selection [NR\_unlic-Perf]

**R4-2100839 On test cases for cell reselection under NR-U**

*Type: discussion For: Discussion  
 Source: ZTE Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102243 Introduction of NR-U cell reselection tests**

*Type: CR For: Agreement  
 38.133 v16.6.0 CR-1693 Cat: B (Rel-16)  
  
 Source: Ericsson*

**Abstract:**

This CR introduces cell reselection test cases for NR-U.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102244 Discussions on cell reselection test cases for NR-U**

*Type: discussion For: Discussion  
 Source: Ericsson*

**Abstract:**

In this contribution we provide views on testing of the reselection requirements for the agreed test cases.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

###### 7.1.6.3.3 HO delay and interruptions [NR\_unlic-Perf]

**R4-2100840 On test cases for handover under NR-U**

*Type: discussion For: Discussion  
 Source: ZTE Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101135 Draft TC E-UTRAN - NR-U Handover**

*Type: draftCR For: Endorsement  
 38.133 v16.6.0  
 Source: Nokia*

**Abstract:**

First draft pf test case for E-UTRAN - NR-U handover.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101649 Draft CR of test cases for HO delay and interruption for NR-U**

*Type: draftCR For: Endorsement  
 38.133 v16.6.0  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102242 Discussions on handover test cases for NR-U**

*Type: discussion For: Discussion  
 Source: Ericsson*

**Abstract:**

In this contribution we discuss testing of handover requirements for NR-U.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

###### 7.1.6.3.4 RRC Re-establishment [NR\_unlic-Perf]

**R4-2101136 Draft TC RRC re-establishment with CCA**

*Type: draftCR For: Endorsement  
 38.133 v16.6.0  
 Source: Nokia*

**Abstract:**

First draft of test cases for RRC re-establishment in NR-U.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102647 RRC re-establishment tests for NR-U**

*Type: other For: Discussion  
 Source: Ericsson*

**Abstract:**

The paper describes test case on RRC re-establishment in NR-U

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

###### 7.1.6.3.5 RRC Connection Release with Redirection [NR\_unlic-Perf]

**R4-2100842 Test cases for RRC Connection Release with Redirection in NR-U**

*Type: discussion For: Discussion  
 Source: ZTE Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101650 Draft CR of test cases for RRC release with redirection for NR-U**

*Type: draftCR For: Endorsement  
 38.133 v16.6.0  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102648 RRC connetion release with re-direction tests for NR-U**

*Type: other For: Discussion  
 Source: Ericsson*

**Abstract:**

The paper describes test case on RRC re-direction in NR-U

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

###### 7.1.6.3.6 Timing (transmit timing and TA) [NR\_unlic-Perf]

**R4-2100774 Introduction of test cases for UE transmit timing requirements with CCA**

*Type: draftCR For: Endorsement  
 38.133 v16.6.0  
 Source: MediaTek inc.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100843 Test cases for timing in NR-U**

*Type: discussion For: Discussion  
 Source: ZTE Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102649 Analysis of UE timing tests for NR-U**

*Type: other For: Discussion  
 Source: Ericsson*

**Abstract:**

The paper describes test cases on UE transmit timing and UE timing advance in NR-U

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102650 UE timing tests for NR-U**

*Type: draftCR For: Endorsement  
 38.133 v16.6.0  
 Source: Ericsson*

**Abstract:**

The CR on test cases on UE transmit timing and UE timing advance in NR-U

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

###### 7.1.6.3.7 BWP switching delay and interruptions [NR\_unlic-Perf]

**R4-2100841 On test cases for BWP switching delay and interruptions under NR-U**

*Type: discussion For: Discussion  
 Source: ZTE Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102651 Analysis of test cases on BWP switching with consistent UL LBT failures**

*Type: other For: Discussion  
 Source: Ericsson*

**Abstract:**

The paper describes test cases on BWP swiching with consistent UL LBT failures in NR-U

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102652 Test cases on BWP switching with consistent UL LBT failures**

*Type: draftCR For: Endorsement  
 38.133 v16.6.0  
 Source: Ericsson*

**Abstract:**

The CR on test cases on BWP swiching with consistent UL LBT failures in NR-U

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

###### 7.1.6.3.8 PSCell addition/release (delay and interruption) [NR\_unlic-Perf]

**R4-2100838 Test cases for PSCell addition and release**

*Type: discussion For: Discussion  
 Source: ZTE Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101651 Draft CR of test cases for PSCell addition and release for NR-U**

*Type: draftCR For: Endorsement  
 38.133 v16.6.0  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102370 On PSCell addition release and TCI state activation TCs**

*Type: discussion For: Discussion  
 Source: Ericsson*

**Abstract:**

Discussion on TCs for PSCell addition/release and for TCI state activation.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

###### 7.1.6.3.9 Interruptions [NR\_unlic-Perf]

**R4-2102368 On SCell interruptions and SCell (de)activation test cases**

*Type: discussion For: Discussion  
 Source: Ericsson*

**Abstract:**

Discussion on interruption and SCell (de)activation test cases for NR-U

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102369 DraftCR Introduction of NR-U SCell interruption and SCell (de)activation tests**

*Type: draftCR For: Endorsement  
 38.133 v16.6.0  
 Source: Ericsson*

**Abstract:**

Interruptions and (de)activation test cases for SCells in NR-U

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

###### 7.1.6.3.10 RLM [NR\_unlic-Perf]

**R4-2102529 On RLM test cases**

*Type: discussion For: Discussion  
 Source: Ericsson*

**Abstract:**

On RLM test cases

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102530 RLM test cases**

*Type: draftCR For: Endorsement  
 38.133 v16.6.0  
 Source: Ericsson*

**Abstract:**

RLM test cases

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

###### 7.1.6.3.11 Beam management [NR\_unlic-Perf]

**R4-2101432 Test cases on link recovery and L1-RSRP reporting in NR-U**

*Type: discussion For: Discussion  
 Source: Ericsson*

**Abstract:**

This contribution discusses the test cases for beam failure recovery and L1-RSRP reporting in NR-U.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101433 Draft CR: test cases for beam management in NR-U**

*Type: draftCR For: Endorsement  
 38.133 v16.6.0  
 Source: Ericsson*

**Abstract:**

This draft CR introduces the test cases for bean failure recovery and L1-RSRP reporting in NR-U.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

###### 7.1.6.3.12 Intra-frequency, inter-frequency and inter-RAT measurement requirements [NR\_unlic-Perf]

**R4-2100775 Introduction of test cases for Accuracy for NR-U inter-frequency SS-RSRP measurements**

*Type: draftCR For: Endorsement  
 38.133 v16.6.0  
 Source: MediaTek inc.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100776 Introduction of test cases for L1-RSRP measurement accuracy with CCA serving cell**

*Type: draftCR For: Endorsement  
 38.133 v16.6.0  
 Source: MediaTek inc.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100836 Test cases for intra and inter frequency and inter-RAT measurement requirements**

*Type: discussion For: Discussion  
 Source: ZTE Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101137 Draft TC NR-U inter-frequency measurements**

*Type: draftCR For: Endorsement  
 38.133 v16.6.0  
 Source: Nokia*

**Abstract:**

First draft of test cases for NR-U inter-frequency measurements.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101652 Draft CR of test cases for inter-RAT measurement for NR-U**

*Type: draftCR For: Endorsement  
 38.133 v16.6.0  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102531 On NR-U measurements test cases**

*Type: discussion For: Discussion  
 Source: Ericsson*

**Abstract:**

On NR-U measurements test cases

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102532 NR-U RRM, SFTD, RSSI, and CO measurements test cases**

*Type: draftCR For: Endorsement  
 38.133 v16.6.0  
 Source: Ericsson*

**Abstract:**

NR-U measurements test cases

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

###### 7.1.6.3.13 Accuracy requirements for NR-U intra-frequency, inter-frequency and inter-RAT measurements [NR\_unlic-Perf]

**R4-2100837 Test cases for intra and inter frequency and inter-RAT measurement accuracy**

*Type: discussion For: Discussion  
 Source: ZTE Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101015 TCs for RSSI and CO measurement accuracy in NR-U R16**

*Type: draftCR For: Endorsement  
 38.133 v16.6.0  
 Source: Apple*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101653 Draft CR of test cases for intra-frequency measurement accuracy for NR-U**

*Type: draftCR For: Endorsement  
 38.133 v16.6.0  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102371 On TC for NR-U Inter-RAT SFTD accuracy**

*Type: discussion For: Discussion  
 Source: Ericsson*

**Abstract:**

Discussion on test case for E-UTRAN - NR inter-RAT SFTD accuracy.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102372 DraftCR 38.133 NR-U Inter-RAT SFTD accuracy TC**

*Type: draftCR For: Endorsement  
 38.133 v16.6.0  
 Source: Ericsson*

**Abstract:**

Test case for E-UTRAN - NR inter-RAT SFTD accuracy.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

#### 7.1.7 Demodulation and CSI requirements (38.101-4/38.104) [NR\_unlic-Perf]

##### 7.1.7.1 General [NR\_unlic-Perf]

**R4-2100995 discussion on general issues in NR-U UE and CSI performance requirements**

*Type: other For: Discussion  
 Source: Ericsson*

**Abstract:**

discussion on general issues in NR-U UE and CSI performance requirements

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101343 Discussion on LBT transmission burst model**

*Type: discussion For: Discussion  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102082 Discussion on performance requirements for NR-U**

*Type: discussion For: Discussion  
 Source: MediaTek inc.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

##### 7.1.7.2 UE demodulation requirements [NR\_unlic-Perf]

**R4-2100197 Discussion on demodulation requirements for NR-U**

*Type: discussion For: Discussion  
 Source: Apple*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100996 discussion on NR-U PDSCH demodulation**

*Type: other For: Discussion  
 Source: Ericsson*

**Abstract:**

discussion on NR-U PDSCH demodulation

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101264 Discussion on NR-U PDSCH requirements**

*Type: discussion For: Discussion  
 Source: Intel Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101344 Discussion on NRU UE performance requirements**

*Type: discussion For: Discussion  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102585 Discussion on NR-U PDSCH Demodulation Performance Tests and related Simulation Assumptions**

*Type: discussion For: Discussion  
 Source: Qualcomm Incorporated*

**Abstract:**

This paper will present our views on the points still under discussion related to NR-U PDSCH Demod Performance Tests and the proposed set of the simulation parameters. The simulation parameters are based on our company’s contribution to the previous meeti

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

##### 7.1.7.3 CSI requirements [NR\_unlic-Perf]

**R4-2100997 discussion on NR-U CQI report demodulation**

*Type: other For: Discussion  
 Source: Ericsson*

**Abstract:**

discussion on NR-U CQI report demodulation

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101345 Discussion on NRU CSI requirements**

*Type: discussion For: Discussion  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102586 Discussion on NR-U CQI Performance Tests**

*Type: discussion For: Discussion  
 Source: Qualcomm Incorporated*

**Abstract:**

This paper will present our views on the points under discussion for NR-U CQI Performance Tests.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

##### 7.1.7.4 BS demodulation requirements [NR\_unlic-Perf]

###### 7.1.7.4.1 General [NR\_unlic-Perf]

**R4-2100573 General issues on BS demodulation performance requirements for operation in unlicensed bands**

*Type: discussion For: Discussion  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100998 discussion on general issues in NR-U BS demodulation requirements**

*Type: other For: Discussion  
 Source: Ericsson*

**Abstract:**

discussion on general issues in NR-U BS demodulation requirements

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102270 General issues on BS demodulation performance requirements for operation in unlicensed bands**

*Type: discussion For: Discussion  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **withdrawn**.

###### 7.1.7.4.2 PUSCH requirements [NR\_unlic-Perf]

**R4-2100574 PUSCH Demodulation performance requirements for operation in unlicensed bands**

*Type: discussion For: Discussion  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100575 NR-U PUSCH simulation results**

*Type: discussion For: Discussion  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100919 View on PUSCH demodulation requirement for NR-U**

*Type: discussion For: Discussion  
 Source: Samsung*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100999 discussion on NR-U PUSCH demodulation assumptions**

*Type: other For: Discussion  
 Source: Ericsson*

**Abstract:**

discussion on NR-U PUSCH demodulation assumptions

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101000 simulation results on NR-U PUSCH demodulation**

*Type: other For: Information  
 Source: Ericsson*

**Abstract:**

simulation results on NR-U PUSCH demodulation

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101346 Simualtion results on NRU PUSCH performance requirements**

*Type: other For: Information  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101347 Discussion on NRU PUSCH performance requirements**

*Type: discussion For: Discussion  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102271 PUSCH Demodulation performance requirements for operation in unlicensed bands**

*Type: discussion For: Discussion  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **withdrawn**.

**R4-2102272 NR-U PUSCH simulation results**

*Type: discussion For: Discussion  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **withdrawn**.

###### 7.1.7.4.3 PUCCH requirements [NR\_unlic-Perf]

**R4-2100576 PUCCH Demodulation performance requirements for operation in unlicensed bands**

*Type: discussion For: Discussion  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100577 NR-U PUCCH simulation results**

*Type: discussion For: Discussion  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100920 View on PUCCH demodulation requirement for NR-U**

*Type: discussion For: Discussion  
 Source: Samsung*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101001 discussion on NR-U PUCCH demodulation assumptions**

*Type: other For: Discussion  
 Source: Ericsson*

**Abstract:**

discussion on NR-U PUCCH demodulation assumptions

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101002 simulation results on NR-U PUCCH demodulation**

*Type: other For: Information  
 Source: Ericsson*

**Abstract:**

simulation results on NR-U PUCCH demodulation

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101348 Simualtion results on NRU PUCCH performance requirements**

*Type: other For: Information  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101349 Discussion on NRU PUCCH performance requirements**

*Type: discussion For: Discussion  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102273 PUCCH Demodulation performance requirements for operation in unlicensed bands**

*Type: discussion For: Discussion  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **withdrawn**.

**R4-2102274 NR-U PUCCH simulation results**

*Type: discussion For: Discussion  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **withdrawn**.

###### 7.1.7.4.4 PRACH requirements [NR\_unlic-Perf]

**R4-2100578 PRACH Demodulation performance requirements for operation in unlicensed bands**

*Type: discussion For: Discussion  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100579 NR-U PRACH simulation results**

*Type: discussion For: Discussion  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100921 View on PRACH demodulation requirement for NR-U**

*Type: discussion For: Discussion  
 Source: Samsung*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101003 discussion on NR-U PRACH demodulation assumptions**

*Type: other For: Discussion  
 Source: Ericsson*

**Abstract:**

discussion on NR-U PRACH demodulation assumptions

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101004 simulation results on NR-U PRACH demodulation**

*Type: other For: Information  
 Source: Ericsson*

**Abstract:**

simulation results on NR-U PRACH demodulation

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101265 Discussion on NR-U PRACH requirements**

*Type: discussion For: Discussion  
 Source: Intel Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101350 Simualtion results on NRU PRACH performance requirements**

*Type: other For: Information  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101351 Discussion on NRU PRACH performance requirements**

*Type: discussion For: Discussion  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102275 PRACH Demodulation performance requirements for operation in unlicensed bands**

*Type: discussion For: Discussion  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **withdrawn**.

**R4-2102276 NR-U PRACH simulation results**

*Type: discussion For: Discussion  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **withdrawn**.

### 7.2 NR mobility enhancement [NR\_Mob\_enh]

#### 7.2.1 RRM requirements maintenance (38.133) [NR\_Mob\_enh-Core/Perf]

**R4-2101009 CR on maintenance for DAPS handover (R16)**

*Type: CR For: Agreement  
 38.133 v16.6.0 CR-1540 Cat: F (Rel-16)  
  
 Source: Apple*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101010 CR on maintenance for DAPS handover (R17)**

*Type: CR For: Agreement  
 38.133 v17.0.0 CR-1541 Cat: A (Rel-17)  
  
 Source: Apple*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101204 TDD UL-DL and DL-UL switching in DAPS handover**

*Type: discussion For: Discussion  
 Source: Ericsson*

**Abstract:**

Further clarification on DL-to-UL and UL-to-DL switching time

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101205 CR on TS38.133 for dual active protocol stack handover**

*Type: CR For: Agreement  
 38.133 v16.6.0 CR-1575 Cat: F (Rel-16)  
  
 Source: Ericsson*

**Abstract:**

Add conditions for not expected to transmit / not expected to receive covering both source and target cell. Add autonomous interruption allowance if these conditions are unspecified.Correct Ntx-rx and Nrx-tx to 25600 Tc

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101206 CR on TS38.133 for dual active protocol stack handover**

*Type: CR For: Agreement  
 38.133 v17.0.0 CR-1576 Cat: A (Rel-17)  
  
 Source: Ericsson*

**Abstract:**

Add conditions for not expected to transmit / not expected to receive covering both source and target cell. Add autonomous interruption allowance if these conditions are unspecified.Correct Ntx-rx and Nrx-tx to 25600 Tc

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101210 CR on TS38.133 for Pcell change**

*Type: CR For: Agreement  
 38.133 v16.6.0 CR-1577 Cat: F (Rel-16)  
  
 Source: MediaTek inc.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101211 CR on TS38.133 for Pcell change**

*Type: CR For: Agreement  
 38.133 v17.0.0 CR-1578 Cat: A (Rel-17)  
  
 Source: MediaTek inc.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101667 Discussion on sync conditions for intra-band DAPS handover**

*Type: discussion For: Discussion  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101668 CR on sync conditions for intra-band DAPS handover R16**

*Type: CR For: Agreement  
 38.133 v16.6.0 CR-1640 Cat: F (Rel-16)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101669 CR on sync conditions for intra-band DAPS handover R17**

*Type: CR For: Agreement  
 38.133 v17.0.0 CR-1641 Cat: A (Rel-17)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

### 7.3 5G V2X with NR sidelink [5G\_V2X\_NRSL]

#### 7.3.1 System parameters maintenance [5G\_V2X\_NRSL-Core]

#### 7.3.2 UE RF requirements maintenance [5G\_V2X\_NRSL-Core]

##### 7.3.2.1 Transmitter characteristics [5G\_V2X\_NRSL-Core]

**R4-2100280 CR on editorial correction on V2X operation in TS38.101-1 in Rel-16**

*Type: CR For: Agreement  
 38.101-1 v16.6.0 CR-0605 Cat: F (Rel-16)  
  
 Source: LG Electronics France*

**Abstract:**

Propovide CR to correct editorial correction for 5G V2X RF requirements in TS38.101-1

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100281 CR on editorial correction on V2X operation in TS38.101-1 in Rel-17**

*Type: CR For: Agreement  
 38.101-1 v17.0.0 CR-0606 Cat: A (Rel-17)  
  
 Source: LG Electronics France*

**Abstract:**

shadowing CR from R4-2100280

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100404 CR for TS 38.101-1, General corrections for NR V2X**

*Type: CR For: Agreement  
 38.101-1 v16.6.0 CR-0615 Cat: F (Rel-16)  
  
 Source: CATT*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100405 CR for TS 38.101-3, General corrections for NR V2X**

*Type: CR For: Agreement  
 38.101-3 v16.6.0 CR-0440 Cat: F (Rel-16)  
  
 Source: CATT*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100406 CR for 38.886, General corrections for NR V2X**

*Type: CR For: Agreement  
 38.886 v16.2.0 CR-0006 Cat: F (Rel-16)  
  
 Source: CATT*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100499 CR for TS 38.101-1, General corrections for NR V2X**

*Type: CR For: Agreement  
 38.101-1 v17.0.0 CR-0618 Cat: A (Rel-17)  
  
 Source: CATT*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100500 CR for TS 38.101-3, General corrections for NR V2X**

*Type: CR For: Agreement  
 38.101-3 v17.0.0 CR-0445 Cat: A (Rel-17)  
  
 Source: CATT*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102382 CR for 38.101-1 correction of NR V2X FRC parameter**

*Type: CR For: Agreement  
 38.101-1 v16.6.0 CR-0685 Cat: F (Rel-16)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

##### 7.3.2.2 Receiver characteristics [5G\_V2X\_NRSL-Core]

#### 7.3.3 Concurrent operation maintenance (scenarios, requirements, etc) [5G\_V2X\_NRSL-Core]

**R4-2100403 Discussion on switching period position in ITS band**

*Type: discussion For: Approval  
 Source: CATT*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

##### 7.3.3.1 Transmitter characteristics [5G\_V2X\_NRSL-Core]

**R4-2100783 Further discussion on switching period in the ITS band**

*Type: discussion For: Approval  
 Source: vivo*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101870 CR for TS 38.101-3 switching period for V2X con-current operation Rel-16**

*Type: CR For: Agreement  
 38.101-3 v16.6.0 CR-0469 Cat: F (Rel-16)  
  
 Source: Xiaomi*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101871 CR for TS 38.101-3 switching period for V2X con-current operation Rel-17**

*Type: CR For: Agreement  
 38.101-3 v17.0.0 CR-0470 Cat: A (Rel-17)  
  
 Source: Xiaomi*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101876 on switching period**

*Type: discussion For: (not specified)  
 Source: Xiaomi*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102380 On SL switching period**

*Type: other For: Approval  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102381 CR for TS 38.101-3 NR V2X switching period**

*Type: CR For: Agreement  
 38.101-3 v16.6.0 CR-0482 Cat: B (Rel-16)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

##### 7.3.3.2 Receiver characteristics [5G\_V2X\_NRSL-Core]

#### 7.3.4 RRM core requirements maintenance (38.133) [5G\_V2X\_NRSL-Core]

**R4-2101054 CR on V2X interruption**

*Type: CR For: Agreement  
 38.133 v16.6.0 CR-1551 Cat: B (Rel-16)  
  
 Source: Mediatek Inc., LG Electronics, Qualcomm Inc.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101055 CR on V2X interruption**

*Type: CR For: Agreement  
 38.133 v17.0.0 CR-1552 Cat: A (Rel-17)  
  
 Source: Mediatek Inc., LG Electronics, Qualcomm Inc.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101788 CR to 38.133 correction on reselection of V2X synchronization reference source requirements**

*Type: CR For: Agreement  
 38.133 v16.6.0 CR-1671 Cat: F (Rel-16)  
  
 Source: vivo*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101789 CR to 38.133 correction on reselection of V2X synchronization reference source requirements**

*Type: CR For: Agreement  
 38.133 v17.0.0 CR-1672 Cat: A (Rel-17)  
  
 Source: vivo*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

#### 7.3.5 RRM perf. requirements (38.133) [5G\_V2X\_NRSL-Perf]

**R4-2100638 Big CR-Introduction of NR V2X RRM performance requirements (Rel-16)**

*Type: CR For: Agreement  
 38.133 v16.6.0 CR-1506 Cat: B (Rel-16)  
  
 Source: LG Electronics*

**Abstract:**

It is a big CR to introduce NR V2X RRM performance requirements based on endorsed Draft big CR R4-2017105 in RAN4#97e meeting and additional changes .

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100639 Big CR-Introduction of NR V2X RRM performance requirements (Rel-17)**

*Type: CR For: Agreement  
 38.133 v17.0.0 CR-1507 Cat: A (Rel-17)  
  
 Source: LG Electronics*

**Abstract:**

It is a Cat.A big CR to introduce NR V2X RRM performance requirements based on endorsed Draft big CR R4-2017105 in RAN4#97e meeting and additional changes for Rel-17.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

##### 7.3.5.1 General [5G\_V2X\_NRSL-Perf]

##### 7.3.5.2 L1 SL-RSRP measurement accuracy [5G\_V2X\_NRSL-Perf]

##### 7.3.5.3 Test cases [5G\_V2X\_NRSL-Perf]

###### 7.3.5.3.1 UE transmit timing [5G\_V2X\_NRSL-Perf]

###### 7.3.5.3.2 Initiation/Cease of SLSS Transmission [5G\_V2X\_NRSL-Perf]

###### 7.3.5.3.3 Selection / Reselection of V2X Synchronization Reference Source [5G\_V2X\_NRSL-Perf]

###### 7.3.5.3.4 L1 SL-RSRP measurements [5G\_V2X\_NRSL-Perf]

###### 7.3.5.3.5 Congestion control measurements [5G\_V2X\_NRSL-Perf]

**R4-2101056 Remaining issues on congestion control test case**

*Type: discussion For: Discussion  
 Source: MediaTek inc.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101057 draftCR on congestion control test case**

*Type: draftCR For: Endorsement  
 38.133 v16.6.0  
 Source: MediaTek inc.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

###### 7.3.5.3.6 Interruptions [5G\_V2X\_NRSL-Perf]

###### 7.3.5.3.7 Resource Pre-emption [5G\_V2X\_NRSL-Perf]

###### 7.3.5.3.8 Resource Re-evaluation [5G\_V2X\_NRSL-Perf]

###### 7.3.5.3.9 Others [5G\_V2X\_NRSL-Perf]

#### 7.3.6 Demodulation requirements (38.101-4) [5G\_V2X\_NRSL-Perf]

##### 7.3.6.1 General [5G\_V2X\_NRSL-Perf]

**R4-2101065 Discussion on NR V2X Demod test cases**

*Type: discussion For: Discussion  
 Source: MediaTek inc.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101942 Draft CR on General section of NR V2X requirements**

*Type: draftCR For: Endorsement  
 38.101-4 v16.3.0  
 Source: Intel Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

##### 7.3.6.2 Single link test [5G\_V2X\_NRSL-Perf]

**R4-2100407 Discussion on single link demodulation test for NR V2X**

*Type: discussion For: Approval  
 Source: CATT*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100409 Simulation results of NR V2X single link demodulation test**

*Type: discussion For: Approval  
 Source: CATT, GOHIGH*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100411 DraftCR for 38.101-4, Introduce PSBCH performance requirements for NR V2X**

*Type: draftCR For: Endorsement  
 38.101-4 v16.3.0  
 Source: CATT, GOHIGH*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100628 V2X single link demod discussion**

*Type: discussion For: Discussion  
 Source: Qualcomm, Inc.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

###### 7.3.6.2.1 PSSCH demodulation test [5G\_V2X\_NRSL-Perf]

**R4-2100656 Draft CR for PSSCH demodulation requirements for NR V2X**

*Type: draftCR For: Endorsement  
 38.101-4 v16.3.0  
 Source: LG Electronics Inc.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100657 Discussion and simulation results for PSSCH single link test in NR V2X**

*Type: discussion For: Discussion  
 Source: LG Electronics Inc.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101068 Simulation results for NR V2X PSSCH test case**

*Type: discussion For: Discussion  
 Source: MediaTek inc.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101232 Discussion on NR V2X Single Link PSSCH requirements**

*Type: discussion For: Discussion  
 Source: Intel Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101352 Discussion on PSSCH equirements**

*Type: discussion For: Discussion  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101353 Simulation results on PSSCH requirements**

*Type: other For: Information  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

###### 7.3.6.2.2 PSCCH demodulation test [5G\_V2X\_NRSL-Perf]

**R4-2100658 Discussion and simulation results for PSCCH single link test in NR V2X**

*Type: discussion For: Discussion  
 Source: LG Electronics Inc.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101067 Simulation results for NR V2X PSCCH test case**

*Type: discussion For: Discussion  
 Source: MediaTek inc.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101233 Discussion on NR V2X Single Link PSCCH requirements**

*Type: discussion For: Discussion  
 Source: Intel Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101234 Draft CR on NR V2X Single Link PSCCH requirements**

*Type: draftCR For: Endorsement  
 38.101-4 v16.3.0  
 Source: Intel Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101354 Discussion and simulation results on PSCCH performance requirements**

*Type: discussion For: Discussion  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

###### 7.3.6.2.3 PSBCH demodulation test [5G\_V2X\_NRSL-Perf]

**R4-2100659 Simulation results for PSBCH single link test in NR V2X**

*Type: discussion For: Discussion  
 Source: LG Electronics Inc.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101066 Simulation results for NR V2X PSBCH**

*Type: discussion For: Discussion  
 Source: MediaTek inc.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101235 Simulation results for NR V2X Single Link PSBCH requirements**

*Type: other For: Information  
 Source: Intel Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101355 Simulation results on PSBCH performance requirements**

*Type: other For: Information  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

###### 7.3.6.2.4 PSFCH demodulation test [5G\_V2X\_NRSL-Perf]

**R4-2100661 Simulation results for PSFCH single link test in NR V2X**

*Type: discussion For: Discussion  
 Source: LG Electronics Inc.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101069 draftCR on NR V2X PSFCH demodulation requirements**

*Type: draftCR For: Endorsement  
 38.101-4 v16.3.0  
 Source: MediaTek inc.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101236 Simulation results for NR V2X Single Link PSFCH requirements**

*Type: other For: Information  
 Source: Intel Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101356 Simulation results on PSFCH performance requirements**

*Type: other For: Information  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

##### 7.3.6.3 Multiple link test [5G\_V2X\_NRSL-Perf]

**R4-2100408 Discussion on multiple link demodulation test for NR V2X**

*Type: discussion For: Approval  
 Source: CATT*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100410 Simulation results of NR V2X multiple link demodulation test**

*Type: discussion For: Approval  
 Source: CATT, GOHIGH*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100629 V2X multiple link demod discussion**

*Type: discussion For: Discussion  
 Source: Qualcomm, Inc.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100662 Discussion and simulation results for multiple link tests in NR V2X**

*Type: discussion For: Discussion  
 Source: LG Electronics Inc.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

###### 7.3.6.3.1 Power imbalance requirement [5G\_V2X\_NRSL-Perf]

**R4-2101237 Discussion on NR V2X Multiple Link Power Imbalance requirements**

*Type: discussion For: Discussion  
 Source: Intel Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101357 Draft CR: Introduction on Power imbalance requirements for NR V2X**

*Type: draftCR For: Endorsement  
 38.101-4 v16.3.0  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101358 Discussion on V2X Power imbalance requirements**

*Type: discussion For: Discussion  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

###### 7.3.6.3.2 HARQ soft buffer combing test [5G\_V2X\_NRSL-Perf]

**R4-2100630 V2X demod HARQ buffer CR**

*Type: draftCR For: Endorsement  
 38.101-4 v16.3.0  
 Source: Qualcomm, Inc.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101238 Discussion on NR V2X Multiple Link HARQ soft buffer combing requirements**

*Type: discussion For: Discussion  
 Source: Intel Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101359 Discussion on V2X Soft-buffer test**

*Type: discussion For: Discussion  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

###### 7.3.6.3.3 PSFCH decoding capability test [5G\_V2X\_NRSL-Perf]

**R4-2101239 Discussion on NR V2X Multiple Link PSFCH decoding capability requirements**

*Type: discussion For: Discussion  
 Source: Intel Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101360 Draft CR: Introduction on PSFCH decoding capability requirements for NR V2X**

*Type: draftCR For: Endorsement  
 38.101-4 v16.3.0  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101361 Discussion on V2X PSFCH decoding capability test**

*Type: discussion For: Discussion  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

###### 7.3.6.3.4 PSCCH/PSSCH decoding capability [5G\_V2X\_NRSL-Perf]

**R4-2101240 Discussion on NR V2X Multiple Link PSCCH/PSSCH decoding capability requirements**

*Type: discussion For: Discussion  
 Source: Intel Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101362 Draft CR: Introduction on PSSCH/PSCCH decoding capability requirements for NR V2X**

*Type: draftCR For: Endorsement  
 38.101-4 v16.3.0  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101363 Discussion on V2X PSSCH/PSCCH decoding capability test**

*Type: discussion For: Discussion  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

###### 7.3.6.3.5 Others [5G\_V2X\_NRSL-Perf]

**R4-2101364 Discussion on V2X multilink SDR test**

*Type: discussion For: Discussion  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101943 Discussion on NR V2X Multiple Link SDR requirements**

*Type: discussion For: Discussion  
 Source: Intel Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

### 7.4 Integrated Access and Backhaul for NR [NR\_IAB]

#### 7.4.1 General [NR\_IAB-Core]

##### 7.4.1.1 System parameters maintenance [NR\_IAB-Core]

**R4-2100368 Draft CR for TS 38.174: Correction of clause 5**

*Type: draftCR For: Endorsement  
 38.174 v16.1.0  
 Source: CATT*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

##### 7.4.1.2 Others [NR\_IAB-Core]

**R4-2100910 Big CR for update on TR38.809**

*Type: CR For: Agreement  
 38.809 v16.1.0 CR-0002 Cat: F (Rel-16)  
  
 Source: Samsung*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102422 draft CR to TR 38.174 - correction to clause 6**

*Type: draftCR For: Endorsement  
 38.809 v16.1.0  
 Source: Huawei*

**Abstract:**

The word "hannon" seems to have replaced existing text in some locations making the text unreadable.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

#### 7.4.2 RF requirements maintenance [NR\_IAB-Core]

##### 7.4.2.1 Transmitter characteristics [NR\_IAB-Core]

###### 7.4.2.1.1 Tx Power related requirements [NR\_IAB-Core]

**R4-2102335 IAB-MT TX dynamic range**

*Type: other For: Approval  
 Source: Ericsson*

**Abstract:**

In this paper, we present our view on IAB-MT TX dynamic requirement modification.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102336 CR on Tx Power related requirements in TS 38.174**

*Type: draftCR For: Endorsement  
 38.174 v16.1.0  
 Source: Ericsson*

**Abstract:**

in this CR, The TX power dyanmic reference condition is updated

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

###### 7.4.2.1.2 Transmitted signal quality [NR\_IAB-Core]

**R4-2100365 Discussion on IAB-MT EVM measurement process**

*Type: other For: Approval  
 Source: CATT*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100366 Draft CR for TS 38.174: IAB-MT EVM measurement**

*Type: draftCR For: Endorsement  
 38.174 v16.1.0  
 Source: CATT*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100367 Draft CR for TR 38.809: IAB-MT EVM measurement**

*Type: draftCR For: Endorsement  
 38.809 v16.1.0  
 Source: CATT*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100826 Discussion on EVM measurement methodology for IAB-MT**

*Type: discussion For: Discussion  
 Source: CMCC*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102012 IAB EVM procedure**

*Type: other For: Approval  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102333 IAB-EVM procedure**

*Type: other For: Approval  
 Source: Ericsson*

**Abstract:**

In this paper, we present our view on the EVM procedure which should be captured in the TS 38.174.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102337 CR on Transmitted signal quality in TS 38.174**

*Type: draftCR For: Endorsement  
 38.174 v16.1.0  
 Source: Ericsson*

**Abstract:**

in this CR, Add EVM detailed procedure is in Annex D

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

###### 7.4.2.1.3 Unwanted emissions [NR\_IAB-Core]

###### 7.4.2.1.4 Others [NR\_IAB-Core]

**R4-2100369 Draft CR for TS 38.174: Correction of clause 6,7 and 9**

*Type: draftCR For: Endorsement  
 38.174 v16.1.0  
 Source: CATT*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102334 IAB-MT interference signal characteristic**

*Type: other For: Approval  
 Source: Ericsson*

**Abstract:**

In this paper, we present our proposal on IAB-MT characteristic of interference signal.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102338 CR on Transmitter characteristics- Others TS 38.174**

*Type: draftCR For: Endorsement  
 38.174 v16.1.0  
 Source: Ericsson*

**Abstract:**

in this CR, Annex F for interference charateristic is added

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

##### 7.4.2.2 Receiver characteristics [NR\_IAB-Core]

###### 7.4.2.2.1 Sensitivity and dynamic range requirements [NR\_IAB-Core]

**R4-2102341 CR on Sensitivity and dynamic range requirements TS 38.174**

*Type: draftCR For: Endorsement  
 38.174 v16.1.0  
 Source: Ericsson*

**Abstract:**

in this CR, format is corrected and bracket is removed

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

###### 7.4.2.2.2 In-band selectivity and blocking requirements [NR\_IAB-Core]

**R4-2102339 CR on In-band selectivity and blocking requirements in TS 38.174**

*Type: draftCR For: Endorsement  
 38.174 v16.1.0  
 Source: Ericsson*

**Abstract:**

in this CR, more typo is corrected

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

###### 7.4.2.2.3 Others [NR\_IAB-Core]

**R4-2100909 Draft CR to align the general clause of radiated and conducted requirement**

*Type: draftCR For: Endorsement  
 38.174 v16.1.0  
 Source: Samsung*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102011 DraftCR to TS 38.174: Receiver requirement corrections**

*Type: draftCR For: Endorsement  
 38.174 v16.1.0  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102340 CR on Rx Charateristic other related requirements**

*Type: draftCR For: Endorsement  
 38.174 v16.1.0  
 Source: Ericsson*

**Abstract:**

in this CR, OOB requriement is updated

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

#### 7.4.3 RF conformance testing [NR\_IAB-Perf]

##### 7.4.3.1 General and work plan [NR\_IAB-Perf]

**R4-2102321 On IAB test case dependency**

*Type: other For: Approval  
 Source: Ericsson*

**Abstract:**

In this paper, we present our view on the test burden reduction.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

##### 7.4.3.2 Common test issues for conducted and radiated conformance testing [NR\_IAB-Perf]

###### 7.4.3.2.1 Test configurations [NR\_IAB-Perf]

**R4-2100906 View on IAB-MT RF Test configuration**

*Type: other For: Approval  
 Source: Samsung*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101565 Discussion on IAB RF conformance test configurations**

*Type: other For: Approval  
 Source: Nokia, Nokia Shanghai Bell*

**Abstract:**

In this contribution, we continue discussions on details for IAB test configurations.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101960 Discussion on IAB test configurations**

*Type: other For: Approval  
 Source: ZTE Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102322 IAB Common test issue on test configuration-Conducted**

*Type: other For: Approval  
 Source: Ericsson*

**Abstract:**

In this paper, we present our view on test configuration for IAB RF conformance test work and also propose the TP for the test configuration

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102323 IAB Common test issue on test configuration-OTA**

*Type: other For: Approval  
 Source: Ericsson*

**Abstract:**

In this paper, we present our view on test configuration for IAB RF conformance test work and also propose the TP for the test configuration

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

###### 7.4.3.2.2 Test models [NR\_IAB-Perf]

**R4-2100371 Discussion on IAB-MT test model**

*Type: other For: Approval  
 Source: CATT*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100907 Configuration on reference channel for IAB-MT**

*Type: other For: Approval  
 Source: Samsung*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101564 Discussion on IAB test models for conformance specifications**

*Type: other For: Approval  
 Source: Nokia, Nokia Shanghai Bell*

**Abstract:**

In this contribution, we continue discussions on details for IAB test models.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101961 Discussion on IAB test model**

*Type: other For: Approval  
 Source: ZTE Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102324 IAB Common test issue on test model-Conducted**

*Type: other For: Approval  
 Source: Ericsson*

**Abstract:**

In this paper, we present our investigation on how the IAB-MT test model should be defined.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102325 IAB Common test issue on test model-OTA**

*Type: other For: Approval  
 Source: Ericsson*

**Abstract:**

In this paper, we present our investigation on how the IAB-MT OTA test model should be defined.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

###### 7.4.3.2.3 Others [NR\_IAB-Perf]

**R4-2100908 View on IAB manufacturer declaration**

*Type: other For: Approval  
 Source: Samsung*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101418 Testing of IAB-MT Requirements**

*Type: discussion For: Discussion  
 Source: Qualcomm Incorporated*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101962 Discussion on IAB conformance testing**

*Type: other For: Approval  
 Source: ZTE Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102016 Manufacturer declaration framework**

*Type: other For: Approval  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102087 IAB-MT conformance Test setup and Test Equipment choice**

*Type: discussion For: Agreement  
 Source: Keysight Technologies UK Ltd*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102326 On IAB-MT synchronization test setup for conformance testing**

*Type: other For: Approval  
 Source: Ericsson*

**Abstract:**

In this paper, we present our view on this aspect for rel-16 IAB RF conformance test work.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102421 IAB declarations format**

*Type: discussion For: Discussion  
 Source: Huawei*

**Abstract:**

Discussion on the BS declarations format and its suitability for the IAB nodes.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

##### 7.4.3.3 Conducted conformance testing [NR\_IAB-Perf]

###### 7.4.3.3.1 Transmitter characteristics [NR\_IAB-Perf]

**R4-2100370 Discussion on IAB-MT specfic Tx requirements test**

*Type: other For: Approval  
 Source: CATT*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102013 Dynamic range test points**

*Type: other For: Approval  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102327 IAB conducted transmitter test**

*Type: other For: Approval  
 Source: Ericsson*

**Abstract:**

In this paper, we present our investigation on how the IAB-MT conducted transmitter test could be defined.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

###### 7.4.3.3.2 Receiver characteristics [NR\_IAB-Perf]

**R4-2102017 Receiver RF testing considerations**

*Type: other For: Approval  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102328 TP example for Conducted receiver characteristic test**

*Type: other For: Approval  
 Source: Ericsson*

**Abstract:**

In this paper, we present our investigation on how the IAB-MT conducted receiver test could be defined.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

###### 7.4.3.3.3 Other test issues [NR\_IAB-Perf]

**R4-2102329 General conducted test conditions and declarations**

*Type: other For: Approval  
 Source: Ericsson*

**Abstract:**

In this paper, we present our view on IAB generic conducted test conditions and declarations and the corresponding TP is proposed.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

##### 7.4.3.4 Radiated conformance testing [NR\_IAB-Perf]

**R4-2102420 IAB conformance test burden**

*Type: discussion For: Discussion  
 Source: Huawei*

**Abstract:**

Investigating the number or test conditions the OTA BS is tested under to see if this ban be reduced for an IAB node

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

###### 7.4.3.4.1 Transmitter characteristics [NR\_IAB-Perf]

**R4-2102015 Test setup considerations**

*Type: other For: Approval  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102330 On IAB-MT frequency error tests**

*Type: other For: Approval  
 Source: Ericsson*

**Abstract:**

In this paper, we present our investigation on this frequency error test on IAB-MT specifically.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

###### 7.4.3.4.2 Receiver characteristics [NR\_IAB-Perf]

**R4-2102331 TP example for OTA receiver characteristic test**

*Type: other For: Approval  
 Source: Ericsson*

**Abstract:**

In this paper, we present our investigation on how the IAB-MT OTA receiver test could be defined.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

###### 7.4.3.4.3 Other test issues [NR\_IAB-Perf]

**R4-2102014 IAB RF conformance testing burden considerations**

*Type: other For: Approval  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102332 General test conditions and declarations-OTA**

*Type: other For: Approval  
 Source: Ericsson*

**Abstract:**

In this paper, we present our view on IAB generic OTA test conditions and declarations and the corresponding TP is proposed.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

#### 7.4.4 RRM core requirements maintenance [NR\_IAB-Core]

**R4-2100041 On requirements involving gap patterns for IAB-MTs**

*Type: discussion For: Discussion  
 Source: ZTE Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100042 [CR] IAB Core Maintenance**

*Type: CR For: Agreement  
 38.174 v16.1.0 CR-0007 Cat: F (Rel-16)  
  
 Source: ZTE Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101626 Discussion on RRM core requirements maintenance for IAB**

*Type: discussion For: Discussion  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101627 CR on RRM core requirements maintenance for MG for IAB**

*Type: CR For: Agreement  
 38.174 v16.1.0 CR-0008 Cat: F (Rel-16)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102487 discussion on measurement gaps for IAB RRM requirements**

*Type: discussion For: Discussion  
 Source: Nokia, Nokia Shanghai Bell*

**Abstract:**

discussion on measurement gaps for IAB RRM requirements

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102488 CR on removing gap aspects from IAB-MT RRM requirements**

*Type: CR For: Agreement  
 38.174 v16.1.0 CR-0009 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Abstract:**

CR on removing gap aspects from IAB-MT RRM requirements

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102635 Analysis of measurement gaps for LA IAB-MT**

*Type: other For: Discussion  
 Source: Ericsson*

**Abstract:**

The paper analyze gaps for IAB

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102636 Measurement gaps for Local Area IAB-MT**

*Type: CR For: Agreement  
 38.174 v16.1.0 CR-0010 Cat: F (Rel-16)  
  
 Source: Ericsson*

**Abstract:**

The CR defines one gap for BM and RLM requirements for LA IAB-MT

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

#### 7.4.5 RRM perf. requirements [NR\_IAB-Perf]

**R4-2102936 IAB-RRM Conformance Testing**

*Type: discussion For: Discussion  
 Source: Qualcomm CDMA Technologies*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

##### 7.4.5.1 General [NR\_IAB-Perf]

**R4-2100047 Scope and work split of test cases for IAB-MTs**

*Type: discussion For: Discussion  
 Source: ZTE Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **withdrawn**.

**R4-2100253 On general aspects of IAB-MT test cases**

*Type: discussion For: Discussion  
 Source: ZTE Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101628 Discussion on RRM test cases for IAB**

*Type: discussion For: Discussion  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101629 draftCR to introduce test configurations for IAB-MT RRM performance test**

*Type: draftCR For: Endorsement  
 38.174 v16.1.0  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102489 discussion on IAB RRM test cases**

*Type: discussion For: Discussion  
 Source: Nokia, Nokia Shanghai Bell*

**Abstract:**

Discussion the RRM test cases for IAB.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102640 General principles for IAB RRM test cases**

*Type: other For: Discussion  
 Source: Ericsson*

**Abstract:**

The paper discusses some general aspects of RRM tests for IAB

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

##### 7.4.5.2 Test cases [NR\_IAB-Perf]

**R4-2100046 [draft CR] Test cases for timing for IAB-MT**

*Type: draftCR For: Endorsement  
 38.174 v16.1.0  
 Source: ZTE Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101630 draftCR to introduce test cases for RRC release with redirection for IAB-MT**

*Type: draftCR For: Endorsement  
 38.174 v16.1.0  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102490 draftCR on IAB RLM test cases**

*Type: draftCR For: Endorsement  
 38.174 v16.1.0  
 Source: Nokia, Nokia Shanghai Bell*

**Abstract:**

Introduce the RLM test cases for IAB-MTs.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102637 Big CR: IAB-MT RRM test cases in 38.174**

*Type: draftCR For: Endorsement  
 38.174 v16.1.0  
 Source: Ericsson*

**Abstract:**

The big darft CR on spec structure for IAB-MT RRM test cases in annex of TS 38.174. It was endorsed at RAN#97e

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102638 Analysis of RRC re-establishment tests for LA IAB-MT**

*Type: other For: Discussion  
 Source: Ericsson*

**Abstract:**

The document describes test cases to verify RRC re-establishment requirements for IAB-MT local areas classe

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102639 RRC re-establishment tests for LA IAB-MT**

*Type: draftCR For: Endorsement  
 38.174 v16.1.0  
 Source: Ericsson*

**Abstract:**

The darft CR on IAB-MT RRM test cases on RRC re-establishment for IAB-MT LA class

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

#### 7.4.6 EMC core requirements maintenance [NR\_IAB-Core]

##### 7.4.6.1 General [NR\_IAB-Core]

**R4-2100356 Definition of Exclusion Bands for IAB EMC nodes**

*Type: other For: Approval  
 Source: Ericsson*

**Abstract:**

Discussion paper on Exclusion bands for IAB EMC testing

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100357 CR to TS 38.175 on Exclusion Bands**

*Type: CR For: Agreement  
 38.175 v16.1.0 CR-0008 Cat: B (Rel-16)  
  
 Source: Ericsson*

**Abstract:**

CR on Excclusion Bands for IAB EMC testing

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

##### 7.4.6.2 Emission requirements [NR\_IAB-Core]

##### 7.4.6.3 Immunity requirements [NR\_IAB-Core]

**R4-2100358 Discussion on Spatial Exclusion for IAB EMC RI test**

*Type: other For: Approval  
 Source: Ericsson*

**Abstract:**

Discussion paper on Spatial Exclusion for IAB EMC Radiated Immunity Testing

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100359 CR to TS 38.175 on Spatial Exclusion for IAB EMC Radiated Immunity test**

*Type: CR For: Agreement  
 38.175 v16.1.0 CR-0009 Cat: B (Rel-16)  
  
 Source: Ericsson*

**Abstract:**

CR on spatial exclusion for IAB EMC Radiated Immunity testing

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

#### 7.4.7 EMC performance requirements [NR\_IAB-Perf]

**R4-2100360 CR to TS 38.175 on IAB EMC test configuratins and performance requirements**

*Type: CR For: Agreement  
 38.175 v16.1.0 CR-0010 Cat: B (Rel-16)  
  
 Source: Ericsson*

**Abstract:**

CR on IAB EMC Performance requirements

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102126 CR to TS 38.175: Performance criteria for IAB**

*Type: CR For: Agreement  
 38.175 v16.1.0 CR-0011 Cat: F (Rel-16)  
  
 Source: ZTE Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **withdrawn**.

**R4-2102177 CR to TS 38.175: Performance criteria for IAB**

*Type: CR For: Agreement  
 38.175 v16.1.0 CR-0012 Cat: F (Rel-16)  
  
 Source: ZTE Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102578 Spatial exclusion zone for IAB node**

*Type: discussion For: Agreement  
 Source: Huawei*

**Abstract:**

In this contribution we provide analysis of the challenges with the application of the spatial exclusion for the EMC RI testing of the IAB.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102581 CR to TS 38.175: Spatial Exclusion for EMC RI test for IAB**

*Type: CR For: Agreement  
 38.175 v16.1.0 CR-0013 Cat: B (Rel-16)  
  
 Source: Huawei*

**Abstract:**

Based on the discussion paper on the analysis of spatial exclusion challenges, in this CR provides addittional text for the completion of the spatial exclusion feature in the IAB EMC specification.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

#### 7.4.8 Demodulation and CSI requirements [NR\_IAB-Perf]

##### 7.4.8.1 General [NR\_IAB-Perf]

**R4-2102105 IAB demodulation general considerations**

*Type: other For: Approval  
 Source: Ericsson*

**Abstract:**

Proposals for remaining general/test issues

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

##### 7.4.8.2 IAB-DU performance requirements [NR\_IAB-Perf]

**R4-2101262 Views on NR IAB-DU demodulation performance requirements**

*Type: discussion For: Discussion  
 Source: Intel Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101293 Discussion on NR IAB DU demodulation performance requirements**

*Type: discussion For: Discussion  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102092 On NR IAB-DU demodulation requirements**

*Type: discussion For: Discussion  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102106 IAB demodulation DU considerations**

*Type: other For: Approval  
 Source: Ericsson*

**Abstract:**

Proposals for remaining DU issues

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

##### 7.4.8.3 IAB-MT performance requirements [NR\_IAB-Perf]

**R4-2101263 Views on NR IAB-MT demodulation performance requirements**

*Type: discussion For: Discussion  
 Source: Intel Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101294 Discussion on NR IAB MT demodulation performance requirements**

*Type: discussion For: Discussion  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102097 On NR IAB-MT testing setup and demodulation requirements**

*Type: discussion For: Discussion  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102107 IAB demodulation MT considerations**

*Type: other For: Approval  
 Source: Ericsson*

**Abstract:**

Proposals for remaining MT issues

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

### 7.5 Multi-RAT Dual-Connectivity and Carrier Aggregation enhancements [LTE\_NR\_DC\_CA\_enh]

#### 7.5.1 RF requirements maintenance [LTE\_NR\_DC\_CA\_enh-Core]

**R4-2100798 MSD due to wider BW evaluation for DC\_28\_n5**

*Type: discussion For: Approval  
 38.101-3 v..  
 Source: MediaTek Inc.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100844 CR for 38.101-3 Correction on EN-DC MSD due to cross band isolation for DC\_28\_n5 (R16)**

*Type: CR For: Agreement  
 38.101-3 v16.6.0 CR-0449 Cat: F (Rel-16)  
  
 Source: MediaTek Inc.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101820 Further discussion on RF requirements about Multi-RAT Dual-Connectivity**

*Type: discussion For: Discussion  
 Source: Huawei, HiSilicon*

**Abstract:**

ENDC TDM when roaming

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102044 LS reply to RAN2 on power control for NR-DC**

*Type: LS out For: Approval  
 to RAN2  
 Source: Ericsson*

**Abstract:**

LS reply to RAN2 on power control for NR-DC

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102207 CR to TS 38.307 on the definition of the duplex-mode for the band configurations**

*Type: CR For: Agreement  
 38.307 v15.7.0 CR-0055 Cat: F (Rel-15)  
  
 Source: ZTE Corporation, CHTTL*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102208 CR to TS 38.307 on the definition of the duplex-mode for the band configurations**

*Type: CR For: Agreement  
 38.307 v16.5.0 CR-0056 Cat: A (Rel-16)  
  
 Source: ZTE Corporation, CHTTL*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102209 CR to TS 38.307 on the definition of the duplex-mode for the band configurations**

*Type: CR For: Agreement  
 38.307 v17.0.0 CR-0057 Cat: A (Rel-17)  
  
 Source: ZTE Corporation, CHTTL*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102408 Missing parent clause for NR-DC PCMAX**

*Type: CR For: Agreement  
 38.101-1 v16.6.0 CR-0689 Cat: D (Rel-16)  
  
 Source: Qualcomm Incorporated*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102409 Missing parent clause for NR-DC PCMAX**

*Type: CR For: Agreement  
 38.101-1 v17.0.0 CR-0690 Cat: A (Rel-17)  
  
 Source: Qualcomm Incorporated*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102711 Discussion and reply LS on p-NR-FR2**

*Type: discussion For: Discussion  
 Source: vivo*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

#### 7.5.2 RRM core requirements maintenance (38.133/36.133) [LTE\_NR\_DC\_CA\_enh-Core]

##### 7.5.2.1 Early Measurement reporting [LTE\_NR\_DC\_CA\_enh-Core]

**R4-2102252 Correction to Idle Mode CA/DC Measurements for Inactive mode**

*Type: CR For: Agreement  
 38.133 v16.6.0 CR-1698 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102253 Correction to Idle Mode CA/DC Measurements for Inactive mode**

*Type: CR For: Agreement  
 38.133 v17.0.0 CR-1699 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102744 Discussion on remaining issues in EMR requirements**

*Type: discussion For: Discussion  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102745 CR on EMR requirement maintenance in 38.133**

*Type: CR For: Agreement  
 38.133 v16.6.0 CR-1758 Cat: F (Rel-16)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102746 CR on EMR requirement maintenance in 38.133 R17**

*Type: CR For: Agreement  
 38.133 v17.0.0 CR-1759 Cat: A (Rel-17)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102747 CR on EMR requirements in 36.133**

*Type: CR For: Agreement  
 36.133 v16.8.0 CR-7064 Cat: F (Rel-16)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102748 CR on EMR requirements in 36.133 R17**

*Type: CR For: Agreement  
 36.133 v17.0.0 CR-7065 Cat: A (Rel-17)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

##### 7.5.2.2 Efficient and low latency serving cell configuration, activation and setup [LTE\_NR\_DC\_CA\_enh-Core]

**R4-2100227 Activation time in direct SCell activation**

*Type: discussion For: Discussion  
 Source: Apple*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100228 CR on activation time in direct SCell activation**

*Type: CR For: Agreement  
 38.133 v16.6.0 CR-1461 Cat: F (Rel-16)  
  
 Source: Apple*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100229 CR on activation time in direct SCell activation (R17)**

*Type: CR For: Agreement  
 38.133 v16.6.0 CR-1462 Cat: A (Rel-16)  
  
 Source: Apple*

**Discussion:**

[report of discussion]

**Decision:** The document was **withdrawn**.

**R4-2101012 CR on activation time in direct SCell activation (R17)**

*Type: CR For: Agreement  
 38.133 v17.0.0 CR-1543 Cat: A (Rel-17)  
  
 Source: Apple*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101212 Discussion on direct Scell activation and dormancy Scell**

*Type: discussion For: Discussion  
 Source: MediaTek inc.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101213 CR on TS38.133 for direct Scell activation**

*Type: CR For: Agreement  
 38.133 v16.6.0 CR-1579 Cat: F (Rel-16)  
  
 Source: MediaTek inc.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101214 CR on TS38.133 for direct Scell activation**

*Type: CR For: Agreement  
 38.133 v17.0.0 CR-1580 Cat: A (Rel-17)  
  
 Source: MediaTek inc.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101377 Remaining issues for Scell dormancy RRM requirements**

*Type: discussion For: Discussion  
 Source: vivo*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101388 CR for adding capability D’ for SCell dormancy BWP switch requirement**

*Type: CR For: Agreement  
 38.133 v16.6.0 CR-1593 Cat: F (Rel-16)  
  
 Source: vivo*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101389 CR for adding capability D’ for SCell dormancy BWP switch requirement**

*Type: CR For: Agreement  
 38.133 v17.0.0 CR-1594 Cat: A (Rel-17)  
  
 Source: vivo*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102254 CR clarifying the UE measurement requirements for an SCell with dormant BWP**

*Type: CR For: Agreement  
 38.133 v16.6.0 CR-1700 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102255 CR clarifying the UE measurement requirements for an SCell with dormant BWP**

*Type: CR For: Agreement  
 38.133 v17.0.0 CR-1701 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102256 Discussion related to multiple SCell dormancy BWP switch**

*Type: discussion For: Approval  
 38.133 v..  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102257 Correction to simultaneous DCI based BWP switch delay on multiple CCs**

*Type: CR For: Agreement  
 38.133 v16.6.0 CR-1702 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102258 Correction to simultaneous DCI based BWP switch delay on multiple CCs**

*Type: CR For: Agreement  
 38.133 v17.0.0 CR-1703 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102351 On incremental delay for dormancy switching on multiple CCs**

*Type: other For: Approval  
 Source: Ericsson*

**Abstract:**

Discussion on separate capability on incremental delay for SCell dormancy switching on multiple CCs.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102352 CR 38.133 (8.2 8.6) Corrections related to SCell dormancy switching**

*Type: CR For: Agreement  
 38.133 v16.6.0 CR-1718 Cat: F (Rel-16)  
  
 Source: Ericsson*

**Abstract:**

Adding separate capability for incremental delay for SCell dormancy switching on multiple CCs. Removal of brackets for interruption due to RRM measurements on dormant SCell.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102353 CR 38.133 (8.2 8.6) Corrections related to SCell dormancy switching**

*Type: CR For: Agreement  
 38.133 v17.0.0 CR-1719 Cat: A (Rel-17)  
  
 Source: Ericsson*

**Abstract:**

Adding separate capability for incremental delay for SCell dormancy switching on multiple CCs.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102366 CR 36.133 Removal of brackets for SCell dormancy**

*Type: CR For: Agreement  
 36.133 v16.8.0 CR-7041 Cat: F (Rel-16)  
  
 Source: Ericsson*

**Abstract:**

Removal of brackets for interruption due to RRM measurements on dormant SCell.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102367 CR 36.133 Removal of brackets for SCell dormancy**

*Type: CR For: Agreement  
 36.133 v17.0.0 CR-7042 Cat: A (Rel-17)  
  
 Source: Ericsson*

**Abstract:**

Removal of brackets for interruption due to RRM measurements on dormant SCell.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102749 CR on SCell dormancy switching**

*Type: CR For: Agreement  
 38.133 v16.6.0 CR-1760 Cat: F (Rel-16)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102750 CR on SCell dormancy switching R17**

*Type: CR For: Agreement  
 38.133 v17.0.0 CR-1761 Cat: A (Rel-17)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102881 Cat-F CR to Removal of brackets for SCell Dormancy and Simultaneous DCI based BWP switch delay on multiple CCs in Rel-16**

*Type: CR For: Agreement  
 38.133 v16.6.0 CR-1785 Cat: F (Rel-16)  
  
 Source: Qualcomm Incorporated*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102882 Cat-A CR to Removal of brackets for SCell Dormancy and Simultaneous DCI based BWP switch delay on multiple CCs in Rel-17**

*Type: CR For: Agreement  
 38.133 v17.0.0 CR-1786 Cat: A (Rel-17)  
  
 Source: Qualcomm Incorporated*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102883 Cat-F CR to Removal of brackets for SCell Dormancy and Simultaneous DCI based BWP switch delay on multiple CCs in Rel-16 LTE**

*Type: CR For: Agreement  
 36.133 v16.8.0 CR-7080 Cat: F (Rel-16)  
  
 Source: Qualcomm Incorporated*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102884 Cat-A CR to Removal of brackets for SCell Dormancy and Simultaneous DCI based BWP switch delay on multiple CCs in Rel-17 LTE**

*Type: CR For: Agreement  
 36.133 v17.0.0 CR-7081 Cat: A (Rel-17)  
  
 Source: Qualcomm Incorporated*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

#### 7.5.3 RRM perf. requirements (38.133) [LTE\_NR\_DC\_CA\_enh-Perf]

##### 7.5.3.1 Early Measurement reporting [LTE\_NR\_DC\_CA\_enh- Perf]

###### 7.5.3.1.1 Accuracy requirements [LTE\_NR\_DC\_CA\_enh-Perf]

**R4-2102262 Draft Big CR: Introduction of Rel-16 MR-DC EMR RRM performance requirements (TS 38.133)**

*Type: draftCR For: Endorsement  
 38.133 v16.6.0  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102263 Draft CR for Removal of brackets for idle mode CA measurement accuracy requirements**

*Type: draftCR For: Endorsement  
 38.133 v16.6.0  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102751 draftCR on accuracy requirements for EMR 38.133**

*Type: draftCR For: Endorsement  
 38.133 v16.6.0  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102752 CR to introduce accuracy requirements for EMR 36.133**

*Type: CR For: Agreement  
 36.133 v16.8.0 CR-7066 Cat: B (Rel-16)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102753 CR to introduce accuracy requirements for EMR 36.133 R17**

*Type: CR For: Agreement  
 36.133 v17.0.0 CR-7067 Cat: A (Rel-17)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

###### 7.5.3.1.2 Test cases [LTE\_NR\_DC\_CA\_enh-Perf]

**R4-2100232 Test case for EMR with both PCell and target cell in FR1**

*Type: draftCR For: Endorsement  
 38.133 v16.6.0  
 Source: Apple*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102261 Draft CR for Idle Mode measurements of inter-frequency CA candidate cells for early reporting**

*Type: draftCR For: Endorsement  
 38.133 v16.6.0  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102264 Measurement Performance Requirements test for MR-DC**

*Type: draftCR For: Endorsement  
 38.133 v16.6.0  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102754 draftCR to introduce TC4 for EMR**

*Type: draftCR For: Endorsement  
 38.133 v16.6.0  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102885 Discussion on Cell Configuration for EMR Test Case**

*Type: discussion For: Discussion  
 38.133 v..  
 Source: Qualcomm Incorporated*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

##### 7.5.3.2 Efficient and low latency serving cell configuration, activation and setup [LTE\_NR\_DC\_CA\_enh-Perf]

###### 7.5.3.2.1 Test cases for direct SCell activation [LTE\_NR\_DC\_CA\_enh-Perf]

**R4-2100230 Test case for Direct SCell Activation: EN-DC, NR spCell in FR1, SCell in FR1, SCell addition**

*Type: draftCR For: Endorsement  
 38.133 v16.6.0  
 Source: Apple*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101073 Draft CR on TC for direct SCell activation during handover in NR SA for FR2**

*Type: draftCR For: Endorsement  
 38.133 v16.6.0  
 Source: NEC*

**Abstract:**

TC for direct SCell activation during handover in NR SA for FR2 is added/specified

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101215 CR on TS38.133 for direct SCell activation of SCell in FR2 intra-band in ENDC mode (A.5.5.X)**

*Type: CR For: Agreement  
 38.133 v16.6.0 CR-1581 Cat: B (Rel-16)  
  
 Source: MediaTek inc.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101216 CR on TS38.133 for direct SCell activation of SCell in FR2 intra-band in ENDC mode (A.5.5.X)**

*Type: CR For: Agreement  
 38.133 v17.0.0 CR-1582 Cat: A (Rel-17)  
  
 Source: MediaTek inc.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102260 Draft CR for NR FR1 Intra frequency handover with direct SCell activation**

*Type: draftCR For: Endorsement  
 38.133 v16.6.0  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102357 On TC3 for Direct SCell Activation**

*Type: discussion For: Discussion  
 Source: Ericsson*

**Abstract:**

Discussion on test cases for direct SCell activation

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102358 DraftCR 38.133 TC3 Direct SCell activation**

*Type: draftCR For: Endorsement  
 38.133 v16.6.0  
 Source: Ericsson*

**Abstract:**

TC3 for direct SCell activation

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102755 draftCR to introduce TC4 for direct SCell activation**

*Type: draftCR For: Endorsement  
 38.133 v16.6.0  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

###### 7.5.3.2.2 Test case for SCell Dormancy [LTE\_NR\_DC\_CA\_enh-Perf]

**R4-2100231 Test case for SCell Dormancy: EN-DC, NR spCell in FR1, SCell FR1, DCI 2\_6 within/after 3 OFDM symbols**

*Type: draftCR For: Endorsement  
 38.133 v16.6.0  
 Source: Apple*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101074 Draft CR on TC for SCell dormancy in NR SA for FR1**

*Type: draftCR For: Endorsement  
 38.133 v16.6.0  
 Source: NEC*

**Abstract:**

TC for SCell dormancy in NR SA for FR1 is specified

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101217 CR on TS38.133 for E-UTRAN – NR SCell FR1 dormant BWP switch with FR1 PSCell in non-DRX in synchronous EN-DC (A.4.5.X)**

*Type: CR For: Agreement  
 38.133 v16.6.0 CR-1583 Cat: B (Rel-16)  
  
 Source: MediaTek inc.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101218 CR on TS38.133 for E-UTRAN – NR SCell FR1 dormant BWP switch with FR1 PSCell in non-DRX in synchronous EN-DC (A.4.5.X)**

*Type: CR For: Agreement  
 38.133 v17.0.0 CR-1584 Cat: A (Rel-17)  
  
 Source: MediaTek inc.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102259 Draft CR for test case 7 for Dormant SCell BWP switch delay**

*Type: draftCR For: Endorsement  
 38.133 v16.6.0  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102359 On TCs 6 and 8 for SCell dormancy switching**

*Type: discussion For: Discussion  
 Source: Ericsson*

**Abstract:**

Discussion on test cases for SCell dormancy

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102360 DraftCR 38.133 TCs 6 and 8 SCell dormancy switching**

*Type: draftCR For: Endorsement  
 38.133 v16.6.0  
 Source: Ericsson*

**Abstract:**

TCs 6 and 8 for SCell dormancy

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102756 Further discussion on test for SCell dormancy**

*Type: discussion For: Discussion  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102757 draftCR to introduce TC3 for SCell dormancy**

*Type: draftCR For: Endorsement  
 38.133 v16.6.0  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102886 DraftCR on EN-DC NR SpCell in FR1 and 2 NR SCells in FR2 for Dormant SCell switch via DCI 2\_6 within and after 3 OFDM symbols**

*Type: draftCR For: Endorsement  
 38.133 v16.6.0  
 Source: Qualcomm Incorporated*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102887 Test framework for SCell dormancy performance requirements**

*Type: discussion For: Discussion  
 38.133 v..  
 Source: Qualcomm Incorporated*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

### 7.6 UE power saving in NR [NR\_UE\_pow\_sav]

#### 7.6.1 RRM requirements maintenance (38.133) [NR\_UE\_pow\_sav-Core/Perf]

**R4-2100473 Discussion on remaining issues for UE power saving test case**

*Type: discussion For: Discussion  
 Source: CATT*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100482 Correction to cell reselection test case for UE Power saving**

*Type: CR For: Agreement  
 38.133 v16.6.0 CR-1497 Cat: F (Rel-16)  
  
 Source: CATT*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100483 Correction to cell reselection test case for UE Power saving**

*Type: CR For: Agreement  
 38.133 v17.0.0 CR-1498 Cat: A (Rel-17)  
  
 Source: CATT*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100727 CR on RRM test cases for NR UE power saving**

*Type: draftCR For: Endorsement  
 38.133 v16.6.0  
 Source: Xiaomi*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101383 CR for removing K2 for R16 UE power saving**

*Type: CR For: Agreement  
 38.133 v16.6.0 CR-1589 Cat: F (Rel-16)  
  
 Source: vivo*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101384 CR for removing K2 for R16 UE power saving**

*Type: CR For: Agreement  
 38.133 v17.0.0 CR-1590 Cat: A (Rel-17)  
  
 Source: vivo*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101385 CR for modifications on FR1 intra-frequency UE power saving test cases**

*Type: CR For: Agreement  
 38.133 v16.6.0 CR-1591 Cat: F (Rel-16)  
  
 Source: vivo*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101386 CR for modifications on FR1 intra-frequency UE power saving test cases**

*Type: CR For: Agreement  
 38.133 v17.0.0 CR-1592 Cat: A (Rel-17)  
  
 Source: vivo*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101624 Correction to relexed cell reselection requirements R16**

*Type: CR For: Agreement  
 38.133 v16.6.0 CR-1626 Cat: F (Rel-16)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101625 Correction to relexed cell reselection requirements R17**

*Type: CR For: Agreement  
 38.133 v17.0.0 CR-1627 Cat: A (Rel-17)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101834 Correction on inter-RAT E-UTRAN cells for UE configured with relaxed measurement criterion**

*Type: CR For: Agreement  
 38.133 v16.6.0 CR-1673 Cat: F (Rel-16)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101835 Test case for cell reselection to FR2 intra-frequency NR case for UE configured with relaxed measurement**

*Type: CR For: Agreement  
 38.133 v16.6.0 CR-1674 Cat: F (Rel-16)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101836 Test case for cell reselection to FR2 intra-frequency NR case for UE configured with relaxed measurement**

*Type: CR For: Agreement  
 38.133 v17.0.0 CR-1675 Cat: A (Rel-17)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101881 Correction on inter-RAT E-UTRAN cells for UE configured with relaxed measurement criterion**

*Type: CR For: Agreement  
 38.133 v17.0.0 CR-1690 Cat: A (Rel-17)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102245 Changes to cell reselection tests under power saving**

*Type: CR For: Agreement  
 38.133 v17.0.0 CR-1694 Cat: A (Rel-17)  
  
 Source: Ericsson*

**Abstract:**

The cell reselection test cases contain square brackets which for the signal levels which are removed. Signal levels are checked and no need to further modify them.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102246 Changes to cell reselection tests under power saving**

*Type: CR For: Agreement  
 38.133 v16.6.0 CR-1695 Cat: F (Rel-16)  
  
 Source: Ericsson*

**Abstract:**

The cell reselection test cases contain square brackets which for the signal levels which are removed. Signal levels are checked and no need to further modify them.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

#### 7.6.2 Demodulation and CSI requirements (38.101-4) [NR\_UE\_pow\_sav-Perf]

**R4-2100397 Discussion on power saving demodulation test**

*Type: discussion For: Approval  
 Source: CATT*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100398 CR for TS38.101-4, test for FR2 PDCCH DCI format 2\_6 demodulation**

*Type: CR For: Agreement  
 38.101-4 v16.3.0 CR-0129 Cat: B (Rel-16)  
  
 Source: CATT*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100541 Views on UE Power Saving Test Cases**

*Type: discussion For: (not specified)  
 Source: Qualcomm Incorporated*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100817 Simulation results summary for R16 power saving demodulation**

*Type: other For: Information  
 Source: CMCC*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100818 CR for TS38.101-4, test for FR1 TDD PDCCH DCI format 2\_6 demodulation**

*Type: CR For: Agreement  
 38.101-4 v16.3.0 CR-0131 Cat: B (Rel-16)  
  
 Source: CMCC*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100820 Demodulation on UE power saving**

*Type: discussion For: Discussion  
 Source: CMCC*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101241 Discussion on PDCCH-WUS requirements**

*Type: discussion For: Discussion  
 Source: Intel Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101295 Discussion and simulation results on the performance requirements for NR power saving**

*Type: discussion For: Discussion  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101387 CR on Fixed reference channel for power saving performance**

*Type: CR For: Agreement  
 38.101-4 v16.3.0 CR-0154 Cat: F (Rel-16)  
  
 Source: vivo*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102085 Simulation results on PDCCH-WUS for power saving**

*Type: discussion For: Discussion  
 Source: MediaTek inc.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102086 CR for TS38.101-4, test for FR1 FDD PDCCH DCI format 2\_6 demodulation**

*Type: draftCR For: Endorsement  
 38.101-4 v16.3.0  
 Source: MediaTek inc.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

### 7.7 NR Positioning Support [NR\_pos]

#### 7.7.1 RRM core requirements maintenance (38.133) [NR\_pos-Core]

##### 7.7.1.1 PRS-RSTD measurement requirements [NR\_pos-Core]

**R4-2100436 Discussion on PRS RSTD measurement requirements**

*Type: discussion For: Discussion  
 Source: CATT*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100438 CR on PRS RSTD measurement requirements**

*Type: CR For: Agreement  
 38.133 v16.6.0 CR-1477 Cat: F (Rel-16)  
  
 Source: CATT*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100468 CR on PRS RSTD measurement requirements**

*Type: CR For: Agreement  
 38.133 v17.0.0 CR-1489 Cat: A (Rel-17)  
  
 Source: CATT*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101272 Discussion on NR PRS RSTD measurement report requirements**

*Type: discussion For: Discussion  
 Source: Intel Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101526 Further discussion on maintenance for RSTD measurement requirement**

*Type: discussion For: Discussion  
 Source: OPPO*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101776 Discussion on PRS RSTD measurement requirements**

*Type: discussion For: Discussion  
 Source: vivo*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101779 CR to 38.133 correction to PRS RSTD measurement requirements**

*Type: CR For: Agreement  
 38.133 v16.6.0 CR-1663 Cat: F (Rel-16)  
  
 Source: vivo*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101780 CR to 38.133 correction to PRS RSTD measurement requirements**

*Type: CR For: Agreement  
 38.133 v17.0.0 CR-1664 Cat: A (Rel-17)  
  
 Source: vivo*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102290 On PRS-RSTD measurement requirements**

*Type: discussion For: Discussion  
 Source: Qualcomm Incorporated*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102298 Revision of PRS-RSTD measurement requirements**

*Type: CR For: Agreement  
 38.133 v16.6.0 CR-1706 Cat: F (Rel-16)  
  
 Source: Qualcomm Incorporated*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102299 Revision of PRS-RSTD measurement requirements**

*Type: CR For: Agreement  
 38.133 v17.0.0 CR-1707 Cat: A (Rel-17)  
  
 Source: Qualcomm Incorporated*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102539 On RSTD measurement requirements**

*Type: discussion For: Discussion  
 Source: Ericsson*

**Abstract:**

On RSTD measurement requirements

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102540 RSTD measurement requirements**

*Type: CR For: Agreement  
 38.133 v16.6.0 CR-1730 Cat: F (Rel-16)  
  
 Source: Ericsson*

**Abstract:**

RSTD measurement requirements

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102541 RSTD measurement requirements**

*Type: CR For: Agreement  
 38.133 v17.0.0 CR-1731 Cat: A (Rel-17)  
  
 Source: Ericsson*

**Abstract:**

RSTD measurement requirements

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102548 Correction to CSSF for PRS measurements**

*Type: CR For: Agreement  
 38.133 v16.6.0 CR-1736 Cat: F (Rel-16)  
  
 Source: Ericsson*

**Abstract:**

Correction to CSSF for PRS measurements

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102758 Discussion on remaining issues for RSTD measurement requirements**

*Type: discussion For: Discussion  
 Source: Huawei, HiSilicon*

**Abstract:**

Rel-16

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102759 CR to update RSTD measurement requirements**

*Type: CR For: Agreement  
 38.133 v16.6.0 CR-1762 Cat: F (Rel-16)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102760 CR to update RSTD measurement requirements R17**

*Type: CR For: Agreement  
 38.133 v17.0.0 CR-1763 Cat: A (Rel-17)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102926 Correction to CSSF for PRS measurements**

*Type: CR For: Agreement  
 38.133 v17.0.0 CR-1793 Cat: A (Rel-17)  
  
 Source: Ericsson-LG Co., LTD*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102934 On PRS-RSTD measurement period definition**

*Type: discussion For: Discussion  
 Source: Nokia, Nokia Shanghai Bell*

**Abstract:**

Discussion on aspects related to PRS-RSTD measurement period definition

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

##### 7.7.1.2 PRS-RSRP measurement requirements [NR\_pos-Core]

**R4-2101781 CR to 38.133 correction on PRS-RSRP measurement requirements**

*Type: CR For: Agreement  
 38.133 v16.6.0 CR-1665 Cat: F (Rel-16)  
  
 Source: vivo*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101782 CR to 38.133 correction on PRS-RSRP measurement requirements**

*Type: CR For: Agreement  
 38.133 v17.0.0 CR-1666 Cat: A (Rel-17)  
  
 Source: vivo*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102300 Revision of PRS-RSRP measurement requirements**

*Type: CR For: Agreement  
 38.133 v16.6.0 CR-1708 Cat: F (Rel-16)  
  
 Source: Qualcomm Incorporated*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102301 Revision of PRS-RSRP measurement requirements**

*Type: CR For: Agreement  
 38.133 v17.0.0 CR-1709 Cat: A (Rel-17)  
  
 Source: Qualcomm Incorporated*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102542 On PRS-RSRP measurement requirements**

*Type: discussion For: Discussion  
 Source: Ericsson*

**Abstract:**

On PRS-RSRP measurement requirements

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102543 PRS-RSRP measurement requirements**

*Type: CR For: Agreement  
 38.133 v16.6.0 CR-1732 Cat: F (Rel-16)  
  
 Source: Ericsson*

**Abstract:**

PRS-RSRP measurement requirements

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102544 PRS-RSRP measurement requirements**

*Type: CR For: Agreement  
 38.133 v17.0.0 CR-1733 Cat: A (Rel-17)  
  
 Source: Ericsson*

**Abstract:**

PRS-RSRP measurement requirements

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102761 CR to update PRS-RSRP measurement requirements**

*Type: CR For: Agreement  
 38.133 v16.6.0 CR-1764 Cat: F (Rel-16)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102762 CR to update PRS-RSRP measurement requirements R17**

*Type: CR For: Agreement  
 38.133 v17.0.0 CR-1765 Cat: A (Rel-17)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

##### 7.7.1.3 UE Rx-Tx time difference measurement requirements [NR\_pos-Core]

**R4-2100049 UE Rx-Tx measurements**

*Type: LS out For: Approval  
 to RAN1  
 Source: ZTE Corporation*

**Abstract:**

This discussion paper discusses issues related to UE Rx - Tx measurements and provides a draft LS to be sent to RAN1 for clarification on a definition in RAN1 specification.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100437 Discussion on UE Rx-Tx time difference measurement requirements**

*Type: discussion For: Discussion  
 Source: CATT*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100439 CR on UE Rx-Tx time difference measurement requirements**

*Type: CR For: Agreement  
 38.133 v16.6.0 CR-1478 Cat: F (Rel-16)  
  
 Source: CATT*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100469 CR on UE Rx-Tx time difference measurement requirements**

*Type: CR For: Agreement  
 38.133 v17.0.0 CR-1490 Cat: A (Rel-17)  
  
 Source: CATT*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101273 Discussion on NR UE RX-TX time difference measurement requirements**

*Type: discussion For: Discussion  
 Source: Intel Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101527 CR to TS 38.133 on UE Rx-Tx time difference measurements (section 9.9.4)**

*Type: CR For: Agreement  
 38.133 v16.6.0 CR-1608 Cat: F (Rel-16)  
  
 Source: OPPO*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101528 Discussion on maintenance for UE Rx-Tx time difference measurements**

*Type: discussion For: Discussion  
 Source: OPPO*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101777 Discussion on UE RX-TX timing difference measurement requirements**

*Type: discussion For: Discussion  
 Source: vivo*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101783 CR to 38.133 correction on UE Rx-Tx time difference measurement requirements**

*Type: CR For: Agreement  
 38.133 v16.6.0 CR-1667 Cat: F (Rel-16)  
  
 Source: vivo*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101784 CR to 38.133 correction on UE Rx-Tx time difference measurement requirements**

*Type: CR For: Agreement  
 38.133 v17.0.0 CR-1668 Cat: A (Rel-17)  
  
 Source: vivo*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102291 On UE Rx-Tx measurement requirements**

*Type: discussion For: Discussion  
 Source: Qualcomm Incorporated*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102302 Revision of UE Rx-Tx measurement requirements**

*Type: CR For: Agreement  
 38.133 v16.6.0 CR-1710 Cat: F (Rel-16)  
  
 Source: Qualcomm Incorporated*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102303 Revision of UE Rx-Tx measurement requirements**

*Type: CR For: Agreement  
 38.133 v17.0.0 CR-1711 Cat: A (Rel-17)  
  
 Source: Qualcomm Incorporated*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102545 On UE Rx-Tx measurement requirements**

*Type: discussion For: Discussion  
 Source: Ericsson*

**Abstract:**

On UE Rx-Tx measurement requirements

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102546 UE Rx-Tx measurement requirements**

*Type: CR For: Agreement  
 38.133 v16.6.0 CR-1734 Cat: F (Rel-16)  
  
 Source: Ericsson*

**Abstract:**

UE Rx-Tx measurement requirements

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102547 UE Rx-Tx measurement requirements**

*Type: CR For: Agreement  
 38.133 v17.0.0 CR-1735 Cat: A (Rel-17)  
  
 Source: Ericsson*

**Abstract:**

UE Rx-Tx measurement requirements

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102763 Discussion on remaining issues for UE Rx-Rx time difference measurement requirements**

*Type: discussion For: Discussion  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102764 CR to update UE Rx-Tx time differnece measurement requirements**

*Type: CR For: Agreement  
 38.133 v16.6.0 CR-1766 Cat: F (Rel-16)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102765 CR to update UE Rx-Tx time differnece measurement requirements R17**

*Type: CR For: Agreement  
 38.133 v17.0.0 CR-1767 Cat: A (Rel-17)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

##### 7.7.1.4 Other requirements [NR\_pos-Core]

**R4-2101529 Discussion on remaining issues for general PRS measurements**

*Type: discussion For: Discussion  
 Source: OPPO*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101778 Discussion on CCSF for NR positioning measurements**

*Type: discussion For: Discussion  
 Source: vivo*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101785 CR to 38.133 correction on CCSF for NR measurements for positioning**

*Type: CR For: Agreement  
 38.133 v16.6.0 CR-1669 Cat: F (Rel-16)  
  
 Source: vivo*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101786 CR to 38.133 correction on CCSF for NR measurements for positioning**

*Type: CR For: Agreement  
 38.133 v17.0.0 CR-1670 Cat: A (Rel-17)  
  
 Source: vivo*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102292 On general PRS measurement requirements**

*Type: discussion For: Discussion  
 Source: Qualcomm Incorporated*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102766 Discussion on measurement capability and MG for PRS measurement**

*Type: discussion For: Discussion  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102767 CR on CSSF and MG for PRS measurement 38.133**

*Type: CR For: Agreement  
 38.133 v16.6.0 CR-1768 Cat: F (Rel-16)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102768 CR on CSSF and MG for PRS measurement 38.133 R17**

*Type: CR For: Agreement  
 38.133 v17.0.0 CR-1769 Cat: A (Rel-17)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102769 CR to introduce new measurement gap patterns for positioning in 36.133**

*Type: CR For: Agreement  
 36.133 v16.8.0 CR-7068 Cat: F (Rel-16)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102770 CR to introduce new measurement gap patterns for positioning in 36.133 R17**

*Type: CR For: Agreement  
 36.133 v17.0.0 CR-7069 Cat: A (Rel-17)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

#### 7.7.2 RRM perf. requirements (38.133) [NR\_pos-Perf]

##### 7.7.2.1 General [NR\_pos-Perf]

**R4-2102549 Draft Big CR: Introduction of Rel-16 NR Positioning RRM performance requirements and test cases**

*Type: draftCR For: Endorsement  
 38.133 v16.6.0  
 Source: Ericsson, Intel*

**Abstract:**

Draft Big CR: Introduction of Rel-16 NR Positioning RRM performance requirements and test cases

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

##### 7.7.2.2 UE requirements and test cases [NR\_pos-Perf]

###### 7.7.2.2.1 Measurement accuracy requirements [NR\_pos-Perf]

7.7.2.2.1.1 PRS RSTD [NR\_pos-Perf]

**R4-2100440 Discussion on PRS RSTD accuracy requirements**

*Type: discussion For: Discussion  
 Source: CATT*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100443 Link-level simulation results of PRS RSTD measurement**

*Type: discussion For: Discussion  
 Source: CATT*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101274 Discussion on NR PRS RSTD measurement accuracy requirements**

*Type: discussion For: Discussion  
 Source: Intel Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101787 Discussion on PRS RSTD accuracy requirements**

*Type: discussion For: Discussion  
 Source: vivo*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102293 On PRS-RSTD measurement accuracy requirements**

*Type: discussion For: Discussion  
 Source: Qualcomm Incorporated*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102312 Test structure and complexity for NR RSTD test cases**

*Type: discussion For: Endorsement  
 Source: Rohde & Schwarz*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102550 On RSTD measurement accuracy requirements**

*Type: discussion For: Discussion  
 Source: Ericsson*

**Abstract:**

On RSTD measurement accuracy requirements

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102771 Discussion on accuracy requirements for RSTD measurement**

*Type: discussion For: Discussion  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102772 draftCR to introduce accuracy requirements for RSTD measurement**

*Type: draftCR For: Endorsement  
 38.133 v16.6.0  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

7.7.2.2.1.2 PRS RSRP [NR\_pos-Perf]

**R4-2100061 [draft CR] Test cases for PRS-RSRP measurement accuracy**

*Type: draftCR For: Endorsement  
 38.133 v16.6.0  
 Source: ZTE Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100441 Discussion on PRS RSRP accuracy requirements**

*Type: discussion For: Discussion  
 Source: CATT*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100444 Link-level simulation results of PRS RSRP measurement**

*Type: discussion For: Discussion  
 Source: CATT*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100446 CR on PRS-RSRP accuracy requirements**

*Type: CR For: Agreement  
 38.133 v16.6.0 CR-1479 Cat: B (Rel-16)  
  
 Source: CATT*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100470 CR on PRS-RSRP accuracy requirements**

*Type: CR For: Agreement  
 38.133 v17.0.0 CR-1491 Cat: A (Rel-17)  
  
 Source: CATT*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101275 Discussion on NR PRS RSRP measurement accuracy requirements**

*Type: discussion For: Discussion  
 Source: Intel Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102551 On PRS-RSRP measurement accuracy requirements**

*Type: discussion For: Discussion  
 Source: Ericsson*

**Abstract:**

On PRS-RSRP measurement accuracy requirements

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102773 Discussion on accuracy requirements for PRS-RSRP measurement**

*Type: discussion For: Discussion  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102774 Further simulation results for PRS-RSRP**

*Type: discussion For: Discussion  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

7.7.2.2.1.3 UE Rx-Tx time difference [NR\_pos-Perf]

**R4-2100442 Discussion on UE Rx-Tx time difference accuracy requirements**

*Type: discussion For: Discussion  
 Source: CATT*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100445 Link-level simulation results for UE Rx-Tx time difference measurement**

*Type: discussion For: Discussion  
 Source: CATT*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101276 Discussion on NR UE RX-TX time difference measurement accuracy requirements**

*Type: discussion For: Discussion  
 Source: Intel Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102294 On UE Rx-Tx measurement accuracy requirements**

*Type: discussion For: Discussion  
 Source: Qualcomm Incorporated*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102552 On UE Rx-Tx measurement accuracy requirements**

*Type: discussion For: Discussion  
 Source: Ericsson*

**Abstract:**

On UE Rx-Tx measurement accuracy requirements

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102553 UE Rx-Tx measurement accuracy requirements**

*Type: draftCR For: Endorsement  
 38.133 v16.6.0  
 Source: Ericsson*

**Abstract:**

UE Rx-Tx measurement accuracy requirements

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102775 Discussion on accuracy requirements for UE Rx-Tx time difference measurement**

*Type: discussion For: Discussion  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

###### 7.7.2.2.2 Test cases [NR\_pos-Perf]

**R4-2100447 CR on PRS configuration for test cases**

*Type: CR For: Agreement  
 38.133 v16.6.0 CR-1480 Cat: B (Rel-16)  
  
 Source: CATT*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100449 Discussion on test cases for PRS based measurement**

*Type: discussion For: Discussion  
 Source: CATT*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100471 CR on PRS configuration for test cases**

*Type: CR For: Agreement  
 38.133 v17.0.0 CR-1492 Cat: A (Rel-17)  
  
 Source: CATT*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101277 Discussion on NR Positioning test cases configuration**

*Type: discussion For: Discussion  
 Source: Intel Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101278 [draftCR] CR for PRS configurations for NR Pos RRM tests**

*Type: draftCR For: Endorsement  
 38.133 v16.6.0  
 Source: Intel Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102295 On design of test cases for NR positioning**

*Type: discussion For: Discussion  
 Source: Qualcomm Incorporated*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102554 On positioning test cases**

*Type: discussion For: Discussion  
 Source: Ericsson*

**Abstract:**

On positioning test cases

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102776 Discussion on RRM test case for UE positioning requirements**

*Type: discussion For: Discussion  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

###### 7.7.2.2.3 Measurement requirements [NR\_pos-Perf]

**R4-2100448 CR on test case for PRS-RSRP measurement requirements for FR2 in SA**

*Type: CR For: Agreement  
 38.133 v16.6.0 CR-1481 Cat: B (Rel-16)  
  
 Source: CATT*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100472 CR on test case for PRS-RSRP measurement requirements for FR2 in SA**

*Type: CR For: Agreement  
 38.133 v17.0.0 CR-1493 Cat: A (Rel-17)  
  
 Source: CATT*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101279 [draftCR] CR for the test case of RSTD measurement requirements reporting in SA**

*Type: draftCR For: Endorsement  
 38.133 v16.6.0  
 Source: Intel Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102555 TC5 and TC6: UE Rx-Tx time difference measurement requirements for FR1 and FR2 in SA**

*Type: draftCR For: Endorsement  
 38.133 v16.6.0  
 Source: Ericsson*

**Abstract:**

TC5 and TC6: UE Rx-Tx time difference measurement requirements for FR1 and FR2 in SA

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102777 draftCR to introduce TC for PRS-RSRP measurement requirements for FR1 in SA**

*Type: draftCR For: Endorsement  
 38.133 v16.6.0  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

###### 7.7.2.2.4 Accuracy requirements [NR\_pos-Perf]

**R4-2102556 TC11 and TC12: UE Rx-Tx time difference measurement accuracy for FR1 and FR2 in SA**

*Type: draftCR For: Endorsement  
 38.133 v16.6.0  
 Source: Ericsson*

**Abstract:**

TC11 and TC12: UE Rx-Tx time difference measurement accuracy for FR1 and FR2 in SA

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102778 draftCR to introduce TC for RSTD measurement accuracy for FR1 and FR2 in SA**

*Type: draftCR For: Endorsement  
 38.133 v16.6.0  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

###### 7.7.2.2.5 Other [NR\_pos-Perf]

##### 7.7.2.3 gNB requirements [NR\_pos-Perf]

###### 7.7.2.3.1 General [NR\_pos-Perf]

**R4-2100048 Beam configuration for gNB measurement accuracy**

*Type: discussion For: Discussion  
 Source: ZTE Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100353 gNB positioning requirements**

*Type: other For: Discussion  
 Source: Ericsson*

**Abstract:**

gNB positioning general topics and WF statement overview

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101729 gNB Positioning UL SRS System simulation results for side conditions**

*Type: other For: Discussion  
 Source: Ericsson*

**Abstract:**

gNB positioning system level results for side conditions

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102690 On SRS configurations for gNB measurement accuracy requirements**

*Type: discussion For: Discussion  
 Source: Nokia, Nokia Shanghai Bell*

**Abstract:**

Discussion on set of SRS configurations for gNB measurement accuracy requirements

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102779 Discussion on general issues for gNB positioning measurement requirements**

*Type: discussion For: Discussion  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

###### 7.7.2.3.2 SRS-RSRP requirements [NR\_pos-Perf]

**R4-2100450 Discussion on SRS-RSRP measurement requirements**

*Type: discussion For: Discussion  
 Source: CATT*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101737 gNB SRS-RSRP measurement analysis**

*Type: other For: Discussion  
 Source: Ericsson*

**Abstract:**

Discussion document for related CR

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101760 gNB SRS-RSRP measurement**

*Type: draftCR For: Endorsement  
 38.133 v16.6.0  
 Source: Ericsson*

**Abstract:**

Adding SRS-RSRP measurement accuracy requirements table structure

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102780 Discussion on gNB Rx-Tx time difference requirements**

*Type: discussion For: Discussion  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102781 Link level simulation results for UL-RTOA and gNB Rx-Tx time difference**

*Type: discussion For: Discussion  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102782 draftCR to introduce gNB Rx-Tx time difference requirements**

*Type: draftCR For: Endorsement  
 38.133 v16.6.0  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

###### 7.7.2.3.3 gNB Rx-Tx time difference requirements [NR\_pos-Perf]

**R4-2100451 Discussion on gNB Rx-Tx time difference measurement requirements**

*Type: discussion For: Discussion  
 Source: CATT*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101761 gNB Rx-Tx measurement analysis**

*Type: other For: Discussion  
 Source: Ericsson*

**Abstract:**

Discussion document for related CR

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101790 gNB Rx-Tx measurement**

*Type: draftCR For: Endorsement  
 38.133 v16.6.0  
 Source: Ericsson*

**Abstract:**

Adding Rx-Tx measurement accuracy requirements table structure

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102691 Link simulation results for gNB Rx-Tx time difference accuracy**

*Type: discussion For: Discussion  
 Source: Nokia, Nokia Shanghai Bell*

**Abstract:**

Link simulation results for gNB Rx-Tx time difference accuracy for some agreed SRS configurations

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102783 Discussion on SRS-RSRP requirements**

*Type: discussion For: Discussion  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102784 Link level simulation results for SRS-RSRP**

*Type: discussion For: Discussion  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102785 draftCR to introduce SRS-RSRP requirements**

*Type: draftCR For: Endorsement  
 38.133 v16.6.0  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

###### 7.7.2.3.4 UL RTOA requirements [NR\_pos-Perf]

**R4-2100452 Discussion on UL RTOA measurement requirements**

*Type: discussion For: Discussion  
 Source: CATT*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100453 Link-level simulation results for UL timing measurement**

*Type: discussion For: Discussion  
 Source: CATT*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101801 gNB UL RTOA measurement analysis**

*Type: other For: Discussion  
 Source: Ericsson*

**Abstract:**

Discussion on WF analysis if RxTx requirements defined should be reused for UL RTOA

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102692 On UL RTOA requirements for NR positioning**

*Type: discussion For: Discussion  
 Source: Nokia, Nokia Shanghai Bell*

**Abstract:**

Discussion on introduction of RTOA requirements for NR positioning

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102786 Discussion on UL-RTOA requirements**

*Type: discussion For: Discussion  
 Source: Huawei, HiSilicon, CMCC*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102787 draftCR to introduce UL-RTOA requirements**

*Type: draftCR For: Endorsement  
 38.133 v16.6.0  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

### 7.8 Physical layer enhancements for NR URLLC [NR\_L1enh\_URLLC-Core]

#### 7.8.1 Demodulation and CSI requirements (38.101-4/38.104) [NR\_L1enh\_URLLC-Perf]

##### 7.8.1.1 Performance requirements with ultra-low BLER [NR\_L1enh\_URLLC-Perf]

###### 7.8.1.1.1 UE demodulation requirements [NR\_L1enh\_URLLC-Perf]

**R4-2101018 CR to 38.101-4 on FRC table update for URLLC ultra low BLER requirements**

*Type: CR For: Agreement  
 38.101-4 v16.3.0 CR-0137 Cat: F (Rel-16)  
  
 Source: Apple*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102120 CR to TS 38.101-4: Performance requirements for URLLC PDSCH 0.001% BLER**

*Type: CR For: Agreement  
 38.101-4 v16.3.0 CR-0164 Cat: F (Rel-16)  
  
 Source: Ericsson*

**Abstract:**

Finalize the requirements

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

###### 7.8.1.1.2 CSI requirements [NR\_L1enh\_URLLC-Perf]

**R4-2100169 Views on URLLC Ultra-low BLER CSI Reporting Test Cases**

*Type: discussion For: Discussion  
 Source: Qualcomm Incorporated*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100198 CQI Reporting requirements for URLLC**

*Type: discussion For: Discussion  
 Source: Apple*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100199 CR to 38-101-4 on CQI reporting requirements for URLLC**

*Type: CR For: Agreement  
 38.101-4 v16.3.0 CR-0126 Cat: B (Rel-16)  
  
 Source: Apple*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101242 Discussion on URLLC Ultra-low BLER CQI requirements**

*Type: discussion For: Discussion  
 Source: Intel Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101327 Discussion on CSI requireements with ultra low-BLER**

*Type: discussion For: Discussion  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101331 Simulation for CQI reporting test**

*Type: other For: Information  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101338 CR to TS38.101-4 Applicability rules for URLLC CSI requirements**

*Type: CR For: Agreement  
 38.101-4 v16.3.0 CR-0152 Cat: B (Rel-16)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101944 CR on FRC for Ultra low BLER UE CQI requirements**

*Type: CR For: Agreement  
 38.101-4 v16.3.0 CR-0160 Cat: B (Rel-16)  
  
 Source: Intel Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102116 Discussions on URLLC UE CQI reporting requirements for CQI table 3**

*Type: other For: Approval  
 Source: Ericsson*

**Abstract:**

Remaining open issues for CQI

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102118 Simulation results on URLLC UE CQI reporting requirements for CQI table 3**

*Type: other For: Information  
 Source: Ericsson*

**Abstract:**

Results for CQI

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

###### 7.8.1.1.3 BS demodulation requirements [NR\_L1enh\_URLLC-Perf]

**R4-2100563 CR for 38.104: Ultra high reliability BS demodulation requirements**

*Type: CR For: Agreement  
 38.104 v16.6.0 CR-0267 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Abstract:**

It was announced that one company has discovered that their simulation results need to be updated.

This CR will incorporate the resulting change of SNR requirements for ultra high reliability using a revision, once the results are available during the mee

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100564 CR for 38.104: Ultra high reliability BS demodulation requirements**

*Type: CR For: Agreement  
 38.104 v17.0.0 CR-0268 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102122 CR to TS 38.141-1 Update of 0.001% BLER test requirements**

*Type: CR For: Agreement  
 38.141-1 v16.6.0 CR-0201 Cat: F (Rel-16)  
  
 Source: Ericsson*

**Abstract:**

Captures updated requirement values

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102123 CR to TS 38.141-1 Update of 0.001% BLER test requirements**

*Type: CR For: Agreement  
 38.141-1 v17.0.0 CR-0202 Cat: A (Rel-17)  
  
 Source: Ericsson*

**Abstract:**

Captures updated requirement values

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102124 CR to TS 38.141-2 Update of 0.001% BLER test requirements**

*Type: CR For: Agreement  
 38.141-2 v16.6.0 CR-0302 Cat: F (Rel-16)  
  
 Source: Ericsson*

**Abstract:**

Captures updated requirement values

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102125 CR to TS 38.141-2 Update of 0.001% BLER test requirements**

*Type: CR For: Agreement  
 38.141-2 v17.0.0 CR-0303 Cat: A (Rel-17)  
  
 Source: Ericsson*

**Abstract:**

Captures updated requirement values

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

##### 7.8.1.2 Performance requirements with higher BLER [NR\_L1enh\_URLLC-Perf]

###### 7.8.1.2.1 UE demodulation requirements [NR\_L1enh\_URLLC-Perf]

**R4-2100170 Views on URLLC High BLER Demodulation Test Cases**

*Type: discussion For: (not specified)  
 Source: Qualcomm Incorporated*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100171 Correction CR on URLLC Higher BLER Performance Requirements**

*Type: CR For: Agreement  
 38.101-4 v16.3.0 CR-0125 Cat: F (Rel-16)  
  
 Source: Qualcomm Incorporated*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100200 UE demodulation requirements with higher BLER**

*Type: discussion For: Discussion  
 Source: Apple*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100201 CR to 38.101-4 on requirements with slot aggreagation in FR2**

*Type: CR For: Agreement  
 38.101-4 v16.3.0 CR-0127 Cat: F (Rel-16)  
  
 Source: Apple*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101243 Discussion on URLLC UE demodulation requirements**

*Type: discussion For: Discussion  
 Source: Intel Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101244 Simulation results for URLLC UE demodulation requirements**

*Type: other For: Information  
 Source: Intel Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101245 CR on FRC for URLLC UE Higher BLER requirements**

*Type: CR For: Agreement  
 38.101-4 v16.3.0 CR-0139 Cat: B (Rel-16)  
  
 Source: Intel Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101328 Discussion on URLLC UE demodulation requirements with higher BLER and low latency**

*Type: discussion For: Discussion  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101330 Simulation results on UE PDSCH demodulation reuqirements with higher BLER and low latency**

*Type: other For: Information  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101333 Summary of simulation results for UE URLLC demodulation performance requirements**

*Type: other For: Information  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101337 CR to TS 38.101-4 Correction of UE performance requirements for FR1 URLLC PDSCH repetitions over multiple slots.**

*Type: CR For: Agreement  
 38.101-4 v16.3.0 CR-0151 Cat: F (Rel-16)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102084 Simulation results for URLLC pre-emption**

*Type: discussion For: Discussion  
 Source: MediaTek inc.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102117 Simulation results on UE URLLC demodulation performance requirements with higher BLER**

*Type: other For: Information  
 Source: Ericsson*

**Abstract:**

Results for high BLER

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102119 Discussion on UE URLLC demodulation performance requirements with higher BLER**

*Type: other For: Approval  
 Source: Ericsson*

**Abstract:**

Remaining open issues for high BLER demod

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102121 CR to TS 38.101-4: Performance requirements for URLLC High BLER feature tests**

*Type: CR For: Agreement  
 38.101-4 v16.3.0 CR-0165 Cat: F (Rel-16)  
  
 Source: Ericsson*

**Abstract:**

Needed to finalize pre-emption requirements

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102822 CR on FR1 PDSCH Mapping Type B and Processing Capability 2 Requirements**

*Type: CR For: Agreement  
 38.101-4 v16.3.0 CR-0166 Cat: F (Rel-16)  
  
 Source: Qualcomm Incorporated*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

###### 7.8.1.2.2 BS demodulation requirements [NR\_L1enh\_URLLC-Perf]

**R4-2100560 On NR Rel-16 BS demodulation performance requirements with higher BLER and simulation results**

*Type: discussion For: Discussion  
 Source: Nokia, Nokia Shanghai Bell*

**Abstract:**

In this contribution we have provided our views on PUSCH repetition type B in the context of the NR\_L1enh\_URLLC WI. We have furthermore provided the last remaining simulation results.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100561 CR for 38.104: Low latency FR1 BS demodulation requirements**

*Type: CR For: Agreement  
 38.104 v16.6.0 CR-0265 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Abstract:**

Removal of remaining square brackets, following the stable nature of the simulation summary from last meeting [R4-2015629].

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100562 CR for 38.104: Low latency FR1 BS demodulation requirements**

*Type: CR For: Agreement  
 38.104 v17.0.0 CR-0266 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100796 On BS demodulation requirements for Rel-16 PUSCH repetition type B**

*Type: discussion For: Discussion  
 Source: China Telecom*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100923 Discussion and simulation results for BS URLLC requirement**

*Type: discussion For: Discussion  
 Source: Samsung*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100927 CR on PUSCH repetition type A and PUSCH mapping type B radiated performance requirement for TS 38.104**

*Type: CR For: Agreement  
 38.104 v16.6.0 CR-0269 Cat: B (Rel-16)  
  
 Source: Samsung*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100928 CR on PUSCH repetition type A and PUSCH mapping type B radiated performance requirement for TS 38.104**

*Type: CR For: Agreement  
 38.104 v17.0.0 CR-0270 Cat: A (Rel-17)  
  
 Source: Samsung*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100929 CR on FRC for URLLC BS radiated performance requirement for TS 38.141-2**

*Type: CR For: Agreement  
 38.141-2 v16.6.0 CR-0269 Cat: B (Rel-16)  
  
 Source: Samsung*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100930 CR on FRC for URLLC BS radiated performance requirement for TS 38.141-2**

*Type: CR For: Agreement  
 38.141-2 v17.0.0 CR-0270 Cat: A (Rel-17)  
  
 Source: Samsung*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101044 CR for TS 38.141-2 Updates of performance requirements of PUSCH repetition type A and PUSCH mapping type B for URLLC**

*Type: CR For: Agreement  
 38.141-2 v16.6.0 CR-0275 Cat: B (Rel-16)  
  
 Source: NTT DOCOMO, INC.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101045 CR for TS 38.141-2 Updates of performance requirements of PUSCH repetition type A and PUSCH mapping type B for URLLC**

*Type: CR For: Agreement  
 38.141-2 v17.0.0 CR-0276 Cat: A (Rel-17)  
  
 Source: NTT DOCOMO, INC.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101246 Discussion on URLLC BS demodulation requirements**

*Type: discussion For: Discussion  
 Source: Intel Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101247 Simulation results for URLLC BS demodulation requirements**

*Type: other For: Information  
 Source: Intel Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101248 CR on FR2 requirements for PUSCH mapping Type B with low number of symbols (Rel-16)**

*Type: CR For: Agreement  
 38.141-2 v16.6.0 CR-0280 Cat: F (Rel-16)  
  
 Source: Intel Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101249 CR on FR2 requirements for PUSCH mapping Type B with low number of symbols (Rel-17)**

*Type: CR For: Agreement  
 38.141-2 v17.0.0 CR-0281 Cat: A (Rel-17)  
  
 Source: Intel Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101329 Discussion on URLLC BS demodulation requirements with higher BLER and low latency**

*Type: discussion For: Discussion  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101332 Simulation results on FR2 PUSCH demodulation reuqirements with higher BLER and low latency**

*Type: other For: Information  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101334 Summary of simulation results for BS URLLC demodulation performance requirements**

*Type: other For: Information  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101335 CR to TS38.141-2 Correction of BS conformance testing for FR2 URLLC PUSCH repetition Type A (Rel-16)**

*Type: CR For: Agreement  
 38.141-2 v16.6.0 CR-0286 Cat: F (Rel-16)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101336 CR to TS38.141-2 Correction of BS conformance testing for FR2 URLLC PUSCH repetition Type A (Rel-17)**

*Type: CR For: Agreement  
 38.141-2 v17.0.0 CR-0287 Cat: A (Rel-17)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101339 CR to TS38.141-1 Correction of BS conformance testing for URLLC demodulation requirements with higher BLER (Rel-16)**

*Type: CR For: Agreement  
 38.141-1 v16.6.0 CR-0189 Cat: F (Rel-16)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101340 CR to TS38.141-1 Correction of BS conformance testing for URLLC demodulation requirements with higher BLER (Rel-17)**

*Type: CR For: Agreement  
 38.141-1 v17.0.0 CR-0190 Cat: A (Rel-17)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101341 CR to TS38.104 Correction of BS performance requirements for URLLC FR1 PUSCH repetition Type A (Rel-16)**

*Type: CR For: Agreement  
 38.104 v16.6.0 CR-0278 Cat: F (Rel-16)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101342 CR to TS38.104 Correction of BS performance requirements for URLLC FR1 PUSCH repetition Type A (Rel-17)**

*Type: CR For: Agreement  
 38.104 v17.0.0 CR-0279 Cat: A (Rel-17)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102115 Simulation results for BS URLLC high BLER**

*Type: other For: Information  
 Source: Ericsson*

**Abstract:**

Results for additional bandwidths added last meeting

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102285 Correction on requirements for PUSCH repetition Type A**

*Type: CR For: Agreement  
 38.141-2 v16.6.0 CR-0304 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102286 Correction on requirements for PUSCH repetition Type A**

*Type: CR For: Agreement  
 38.141-2 v17.0.0 CR-0305 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

### 7.9 Enhancements on MIMO for NR [NR\_eMIMO]

#### 7.9.1 UE RF core requirements maintenance (38.101) [NR\_eMIMO-Core]

**R4-2102386 CR for TS 38.101-1: correction of Pi/2 BPSK**

*Type: CR For: Agreement  
 38.101-1 v16.6.0 CR-0687 Cat: F (Rel-16)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

#### 7.9.2 RRM core requirements maintenance (38.133) [NR\_eMIMO-Core]

**R4-2100202 RRM Core requirements maintenance for eMIMO**

*Type: discussion For: Discussion  
 Source: Apple*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100203 CR to 38.133 on RRM requirements for multi-TRP (R16)**

*Type: CR For: Agreement  
 38.133 v16.6.0 CR-1453 Cat: B (Rel-16)  
  
 Source: Apple*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100204 CR to 38.133 on RRM requirements for multi-TRP (R17)**

*Type: CR For: Agreement  
 38.133 v17.0.0 CR-1454 Cat: A (Rel-17)  
  
 Source: Apple*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100205 CR to 38.133 on Link Recovery requirements (R16)**

*Type: CR For: Agreement  
 38.133 v16.6.0 CR-1455 Cat: F (Rel-16)  
  
 Source: Apple*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100206 CR to 38.133 on Link Recovery requirements (R17)**

*Type: CR For: Agreement  
 38.133 v17.0.0 CR-1456 Cat: A (Rel-17)  
  
 Source: Apple*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100207 CR to 38.133 on Pathloss activation delay requirements (R16)**

*Type: CR For: Agreement  
 38.133 v16.6.0 CR-1457 Cat: F (Rel-16)  
  
 Source: Apple*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100208 CR to 38.133 on Pathloss activation delay requirements (R17)**

*Type: CR For: Agreement  
 38.133 v17.0.0 CR-1458 Cat: A (Rel-17)  
  
 Source: Apple*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100755 Discussion on the scaling factor for SCell beam failure recovery**

*Type: discussion For: Discussion  
 38.133 v..  
 Source: MediaTek inc.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100756 CR on the scaling factor for SCell beam failure recovery in R16**

*Type: CR For: Agreement  
 38.133 v16.6.0 CR-1508 Cat: F (Rel-16)  
  
 Source: MediaTek inc.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100757 CR on the scaling factor for SCell beam failure recovery in R17**

*Type: CR For: Agreement  
 38.133 v17.0.0 CR-1509 Cat: A (Rel-17)  
  
 Source: MediaTek inc.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100758 Correction on the measurement restriction for CSI-IM resource in R16**

*Type: CR For: Agreement  
 38.133 v16.6.0 CR-1510 Cat: F (Rel-16)  
  
 Source: MediaTek inc.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100759 Correction on the measurement restriction for CSI-IM resource in R17**

*Type: CR For: Agreement  
 38.133 v17.0.0 CR-1511 Cat: A (Rel-17)  
  
 Source: MediaTek inc.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100933 CR to TS38.133 on L1-SINR measurement requirement**

*Type: CR For: Agreement  
 38.133 v16.6.0 CR-1533 Cat: F (Rel-16)  
  
 Source: Samsung*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100934 CR to TS38.133 on L1-SINR measurement requirement**

*Type: CR For: Agreement  
 38.133 v17.0.0 CR-1534 Cat: A (Rel-17)  
  
 Source: Samsung*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101670 Discussion on maintaining issues for L1-SINR measurent requirements**

*Type: discussion For: Discussion  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101671 CR on maintaining L1-SINR measurent requirements Rel-16**

*Type: CR For: Agreement  
 38.133 v16.6.0 CR-1642 Cat: F (Rel-16)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101672 CR on maintaining L1-SINR measurent requirements Rel-17**

*Type: CR For: Agreement  
 38.133 v17.0.0 CR-1643 Cat: A (Rel-17)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102864 On Rel-16 NR eMIMO multi-TRxP transmissions**

*Type: other For: Discussion  
 38.133 v..  
 Source: Nokia, Nokia Shanghai Bell*

**Abstract:**

Proposal 1: Option 2: no need to revise the spec.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

#### 7.9.3 RRM perf. requirements (38.133) [NR\_eMIMO-Perf]

**R4-2100938 Introduction of Rel-16 NR eMIMO RRM performance requirements and test cases**

*Type: CR For: Agreement  
 38.133 v16.6.0 CR-1535 Cat: B (Rel-16)  
  
 Source: Samsung*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100939 Introduction of Rel-16 NR eMIMO RRM performance requirements and test cases**

*Type: CR For: Agreement  
 38.133 v17.0.0 CR-1536 Cat: A (Rel-17)  
  
 Source: Samsung*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

##### 7.9.3.1 General [NR\_eMIMO-Perf]

**R4-2101674 Discussion on IMR configuration for L1-SINR measurement tests**

*Type: discussion For: Discussion  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101675 DraftCR on IMR configuration for L1-SINR measurement tests**

*Type: draftCR For: Endorsement  
 38.133 v16.6.0  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

##### 7.9.3.2 L1-SINR measurement accuracy [NR\_eMIMO-Perf]

**R4-2100209 RRM Performance requirements for L1-SINR Measurement Accuracy**

*Type: discussion For: Discussion  
 Source: Apple*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100868 Simulation results for the measurement of L1-SINR**

*Type: discussion For: Information  
 Source: CMCC*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100869 Discussion on L1-SINR measurement accuracy**

*Type: discussion For: Approval  
 Source: CMCC*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100935 Remaining issues on L1-SINR measurement accuracy requirement**

*Type: discussion For: Discussion  
 Source: Samsung*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101445 L1-SINR measurement accuracy**

*Type: discussion For: Discussion  
 Source: Ericsson*

**Abstract:**

This contribution shows our simulation results on L1-SINR and discusses the accuracy requirements.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101673 Discussion on L1-SINR measurement accuracy requirements**

*Type: discussion For: Discussion  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102865 Discussions on Rel-16 NR eMIMO L1-SINR measurement Accuracy**

*Type: other For: Discussion  
 38.133 v..  
 Source: Nokia, Nokia Shanghai Bell*

**Abstract:**

The document has discussed the remaining open issues on L1-SINR measurements.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102867 CR to TS 38.133: Adding L1-SINR accuracy requirements**

*Type: draftCR For: Endorsement  
 38.133 v16.6.0  
 Source: Nokia, Nokia Shanghai Bell*

**Abstract:**

The CR provides the text proposal for L1-SINR absolute accuracy requirements for FR1 and FR2, which is in accordance with the agreed WF (R4-2017375) and simulation results.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102868 CR to TS 38.133: Adding conditions for L1-SINR reporting (Annex B.2)**

*Type: draftCR For: Endorsement  
 38.133 v16.6.0  
 Source: Nokia, Nokia Shanghai Bell*

**Abstract:**

The CR provides the text proposal for the conditions for NR L1-SINR reporting, which are required by the L1-SINR accuracy requirements.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

##### 7.9.3.3 Test cases [NR\_eMIMO-Perf]

###### 7.9.3.3.1 L1-SINR measurements [NR\_eMIMO-Perf]

**R4-2100936 Draft CR on L1-SINR measurement accuracy tests with CSI-RS based CMR and dedicated IMR**

*Type: draftCR For: Endorsement  
 38.133 v16.6.0  
 Source: Samsung*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101676 DraftCR on L1-SINR measurement procedure tests with SSB CMR and dedicated IMR**

*Type: draftCR For: Endorsement  
 38.133 v16.6.0  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102912 Draft test case CR on measurement performance of L1-SINR for CSI-RS-based CMR and no dedicated IMR**

*Type: draftCR For: Endorsement  
 38.133 v16.6.0  
 Source: Qualcomm CDMA Technologies*

(Replaces R4-2014292)

**Abstract:**

Resubmission of R4-2014292

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

###### 7.9.3.3.2 BFR for SCell [NR\_eMIMO-Perf]

**R4-2100754 Introduction of test cases for BFD and link recovery procedure for Scell**

*Type: draftCR For: Endorsement  
 38.133 v16.6.0  
 Source: MediaTek inc.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101446 Test case for SCell beam failure recovery**

*Type: discussion For: Discussion  
 Source: Ericsson*

**Abstract:**

This contribution discusses the test case for SCell beam failure recovery.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101447 Draft CR: Introduction of test case of link recovery with link recovery requests**

*Type: draftCR For: Endorsement  
 38.133 v16.6.0  
 Source: Ericsson*

**Abstract:**

This draft CR introduces the test case for link recovery with LRR.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

###### 7.9.3.3.3 DL/UL beam indication with reduced latency and overhead [NR\_eMIMO-Perf]

**R4-2100044 Test cases for applicable timing for PL RS activated by MAC-CE**

*Type: discussion For: Discussion  
 Source: ZTE Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100045 [CR] Test cases for applicable timing for PL RS activated by MAC-CE**

*Type: CR For: Agreement  
 38.133 v16.6.0 CR-1414 Cat: B (Rel-16)  
  
 Source: ZTE Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **withdrawn**.

**R4-2100054 [draft CR] Test cases for applicable timing for PL RS activated by MAC-CE**

*Type: draftCR For: Endorsement  
 38.133 v16.6.0  
 Source: ZTE Corporation*

**Abstract:**

This CR adds test cases to 38.133 in correspondance to the core requirements for PL RS activation delay.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101678 Discussion on testability of pathloss-RS activation delay**

*Type: discussion For: Discussion  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

###### 7.9.3.3.4 Others [NR\_eMIMO-Perf]

**R4-2100937 Draft CR on CSI-RS configurations**

*Type: draftCR For: Endorsement  
 38.133 v16.6.0  
 Source: Samsung*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101677 DraftCR on L1-SINR measurement accuracy tests with SSB CMR and dedicated IMR**

*Type: draftCR For: Endorsement  
 38.133 v16.6.0  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

#### 7.9.4 Demodulation and CSI requirements (38.101-4) [NR\_eMIMO-Perf]

##### 7.9.4.1 General [NR\_eMIMO-Perf]

**R4-2100210 CR to 38.101-4 for eMIMO demod requirements - General and Applicability rule**

*Type: CR For: Agreement  
 38.101-4 v16.3.0 CR-0128 Cat: B (Rel-16)  
  
 Source: Apple*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100903 Simulation results summary for eMIMO performance requirements**

*Type: discussion For: Discussion  
 Source: Samsung*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101448 CR: FRC for eMIMO sDCI/mDCI-based PDSCH transmission**

*Type: CR For: Agreement  
 38.101-4 v16.3.0 CR-0159 Cat: B (Rel-16)  
  
 Source: Ericsson, Huawei, HiSilicon, Intel, Samsung*

**Abstract:**

This CR provides the FRCs used for sDCI/mDCI-based PDSCH transmission.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101449 Simulation assumption for PDSCH requirement with mDCI/sDCI-based transmission schemes**

*Type: other For: Information  
 Source: Ericsson*

**Abstract:**

This contribution provides the updated simulation assumption for PDSCH requirement with mDCI/sDCI-based transmission schemes.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

##### 7.9.4.2 Demodulation requirements [NR\_eMIMO-Perf]

###### 7.9.4.2.1 Single-DCI based SDM scheme [NR\_eMIMO-Perf]

**R4-2100898 Simulation results for Single-DCI based SDM scheme**

*Type: discussion For: Discussion  
 Source: Samsung*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101256 Simulation results for single-DCI based multi-TRP SDM Tx scheme**

*Type: discussion For: Discussion  
 Source: Intel Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101313 Simulaiton results of PDSCH requirements for Single-DCI SDM scheme**

*Type: other For: Information  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101315 CR for 38.101-4 Introduction of PDSCH requirement with Single-DCI based SDM scheme**

*Type: CR For: Agreement  
 38.101-4 v16.3.0 CR-0147 Cat: B (Rel-16)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101450 Simulation results of sDCI-based SDM transmission**

*Type: other For: Information  
 Source: Ericsson*

**Abstract:**

This contribution shows our PDSCH simulation results with sDCI-based SDM transmission.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

###### 7.9.4.2.2 Multi-DCI based transmission scheme [NR\_eMIMO-Perf]

**R4-2100899 Simulation results for multi-DCI based transmsision scheme**

*Type: discussion For: Discussion  
 Source: Samsung*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101257 Simulation results for multi-DCI based multi-TRP Tx scheme**

*Type: discussion For: Discussion  
 Source: Intel Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101312 Simulation results of PDSCH requirements for Multi-DCI transmission scheme**

*Type: other For: Information  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101316 CR for 38.101-4 Introduction of PDSCH requirement with Multi-DCI based multi-TRP transmission schemes**

*Type: CR For: Agreement  
 38.101-4 v16.3.0 CR-0148 Cat: B (Rel-16)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101451 Simulation results of mDCI-based transmission**

*Type: other For: Information  
 Source: Ericsson*

**Abstract:**

This contribution shows our PDSCH simulation results with mDCI-based transmission.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102083 Simulation results on PDSCH performance requirements for multi-DCI based multi-TRP transmission**

*Type: discussion For: Discussion  
 Source: MediaTek inc.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

###### 7.9.4.2.3 Single-DCI based transmission schemes (URLLC) [NR\_eMIMO-Perf]

**R4-2100211 Simulation results for multi-DCI based transmission scheme**

*Type: discussion For: Discussion  
 Source: Apple*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100900 Simulation results for URLLC schemes**

*Type: discussion For: Discussion  
 Source: Samsung*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101258 Simulation results for single-DCI based multi-TRP Repetition Tx schemes**

*Type: discussion For: Discussion  
 Source: Intel Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101259 CR to TS 38.101-4: Performance requirements single-DCI based multi-TRP Repetition Tx schemes**

*Type: CR For: Agreement  
 38.101-4 v16.3.0 CR-0143 Cat: B (Rel-16)  
  
 Source: Intel Corporation, Samsung, Ericsson, Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101314 Simulation results of PDSCH requirements for Single-DCI URLLC schemes**

*Type: other For: Information  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101452 Simulation results of sDCI-based FDM/TDM transmission**

*Type: other For: Information  
 Source: Ericsson*

**Abstract:**

This contribution shows our PDSCH simulation results with sDCI-based FDMSchemeA and inter-slot TDM.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

##### 7.9.4.3 CSI requirements [NR\_eMIMO-Perf]

**R4-2100212 PMI reporting requirements with eType II codebook**

*Type: discussion For: Discussion  
 Source: Apple*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100585 On PMI reporting requirements for enhanced Type II codebooks**

*Type: discussion For: Discussion  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100622 Views on CSI Reporting test cases for eMIMO**

*Type: discussion For: (not specified)  
 Source: Qualcomm Incorporated*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100896 Introduction of PMI test cases with Rel-16 eType II codebook**

*Type: CR For: Agreement  
 38.101-4 v16.3.0 CR-0135 Cat: B (Rel-16)  
  
 Source: Samsung*

**Abstract:**

Introduction of eType II codebook PMI test cases

**Discussion:**

[report of discussion]

**Decision:** The document was **revised to R4-2102938**.

**R4-2100901 Discussion and simulation results for Rel-16 eType II codebook test cases**

*Type: discussion For: Discussion  
 Source: Samsung*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101310 Discussion on the test metric of eType II codebook based PMI reporting test**

*Type: discussion For: Discussion  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101311 Simulation results for eType II codebook based PMI reporting test**

*Type: other For: Information  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101323 CR for 38.101-4 Applicablity of PMI reporting test of eType II codebook**

*Type: CR For: Agreement  
 38.101-4 v16.3.0 CR-0150 Cat: B (Rel-16)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101443 Simulation results for Rel-16 eType II PMI reporting test**

*Type: other For: Information  
 Source: Ericsson*

**Abstract:**

This contribution shows our simulation results of Rel-16 eType-II PMI reporting.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101444 Evaluation of Rel-16 eType-II PMI reporting test**

*Type: discussion For: Discussion  
 Source: Ericsson*

**Abstract:**

This contribution discusses the requirements of Rel-16 eType-II PMI reporting.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102282 On PMI reporting requirements for enhanced Type II codebooks**

*Type: discussion For: Discussion  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **withdrawn**.

**R4-2102938 Introduction of PMI test cases with Rel-16 eType II codebook**

*Type: CR For: Agreement  
 38.101-4 v16.3.0 CR-0135 rev 1 Cat: B (Rel-16)  
  
 Source: Samsung*

(Replaces R4-2100896)

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

### 7.10 Add support of NR DL 256QAM for FR2 [NR\_DL256QAM\_FR2]

#### 7.10.1 Demodulation and CSI requirements (38.101-4) [NR\_DL256QAM\_FR2-Perf]

##### 7.10.1.1 UE Demodulation requirements [NR\_DL256QAM\_FR2-Perf]

**R4-2100880 Offline e-mail discussion summary on the TDLD30 channel simplification**

*Type: discussion For: Information  
 Source: China Telecom*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100881 Simulation results for PDSCH normal demodulation for FR2 DL 256QAM**

*Type: discussion For: Discussion  
 Source: China Telecom*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101250 Discussion on FR2 DL 256QAM UE demodulation requirements**

*Type: discussion For: Discussion  
 Source: Intel Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101251 Summary of simulation results for FR2 DL 256QAM demodulation requirements**

*Type: other For: Information  
 Source: Intel Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101252 CR on simplified TDL-D channel model for FR2 DL 256QAM demodulation requirements**

*Type: CR For: Agreement  
 38.101-4 v16.3.0 CR-0140 Cat: B (Rel-16)  
  
 Source: Intel Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101296 Simulation results on PDSCH requirements for NR DL 256QAM for FR2**

*Type: other For: Information  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101297 CR on applicability and FRC for PDSCH normal demodulation for DL 256QAM for FR2**

*Type: CR For: Agreement  
 38.101-4 v16.3.0 CR-0144 Cat: B (Rel-16)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101369 Views on 256QAM UE requirements for FR2**

*Type: discussion For: Discussion  
 Source: NTT DOCOMO, INC.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101419 Simulation results of PDSCH with 256QAM in FR2**

*Type: other For: Information  
 Source: Ericsson*

**Abstract:**

This contribution shows our PDSCH simulation results with 256QAM in FR2.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101420 Open issues on FR2 256QAM PDSCH demodulation requirements**

*Type: discussion For: Discussion  
 Source: Ericsson*

**Abstract:**

This contribution discussion the open issues on PDSCH demodulation requirements with 256QAM in FR2.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102373 Simulation results for FR2 256QAM PDSCH Test Cases**

*Type: discussion For: (not specified)  
 Source: Qualcomm Incorporated*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

##### 7.10.1.2 CSI requirements [NR\_DL256QAM\_FR2-Perf]

**R4-2100882 On CQI reporting requirements for FR2 DL 256QAM**

*Type: discussion For: Discussion  
 Source: China Telecom*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100883 Summary of CQI reporting simulation results for FR2 DL 256QAM (TDD)**

*Type: discussion For: Information  
 Source: China Telecom*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100884 CR on adding applicability, requirements and measurement channel for FR2 DL 256QAM CQI reporting test under fading condition**

*Type: CR For: Agreement  
 38.101-4 v16.3.0 CR-0133 Cat: B (Rel-16)  
  
 Source: China Telecom*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101114 Simulation For CQI reporting requirements for FR2 DL 256QAM**

*Type: discussion For: Discussion  
 Source: ZTE Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101116 CR on demodulation performance requirements for DL 256QAM for FR2**

*Type: CR For: Agreement  
 38.101-4 v16.3.0 CR-0138 Cat: F (Rel-16)  
  
 Source: ZTE Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101298 Simulation results on CQI requirements for NR DL 256QAM for FR2**

*Type: other For: Information  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101421 Simulation results of CQI table 2 reporting in FR2**

*Type: other For: Information  
 Source: Ericsson*

**Abstract:**

This contribution provides our simulation results of CQI reporting with CQI table 2.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101422 Open issues on CQI table 2 reporting test in FR2**

*Type: discussion For: Discussion  
 Source: Ericsson*

**Abstract:**

This contribution discusses the open issues on CQI table 2 reporting test in FR2.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101848 Simulation results on CQI requirements for NR DL 256QAM for FR2**

*Type: other For: Information  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **withdrawn**.

**R4-2102406 Views on FR2 256QAM CQI Reporting Test Cases**

*Type: discussion For: (not specified)  
 Source: Qualcomm Incorporated*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

##### 7.10.1.3 SDR requirements [NR\_DL256QAM\_FR2-Perf]

**R4-2100885 Updating on CR for SDR requirements for FR2 DL 256QAM capable band**

*Type: discussion For: Discussion  
 Source: China Telecom*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101253 CR on applicability rules and FRC for FR2 DL 256QAM CQI requirements**

*Type: CR For: Agreement  
 38.101-4 v16.3.0 CR-0141 Cat: B (Rel-16)  
  
 Source: Intel Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101299 CR on SDR requirements for DL 256QAM for FR2**

*Type: CR For: Agreement  
 38.101-4 v16.3.0 CR-0145 Cat: B (Rel-16)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

### 7.11 RF requirements for NR frequency range 1 (FR1) [NR\_RF\_FR1]

#### 7.11.1 RF core requirements maintenance [NR\_RF\_FR1-Core]

##### 7.11.1.1 Intra-band UL CA for FR1 power class 3 [NR\_RF\_FR1-Core]

**R4-2100162 CA\_n7B\_REFSENS\_CatF\_CR**

*Type: CR For: Agreement  
 38.101-1 v16.6.0 CR-0600 Cat: F (Rel-16)  
  
 Source: Qualcomm Incorporated*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101178 Intra-band contiguous ULCA Pcmax Issues**

*Type: other For: Approval  
 Source: Qualcomm Incorporated*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102588 CR CA\_n7B REFSENS – Cat A**

*Type: CR For: Agreement  
 38.101-1 v17.0.0 CR-0695 Cat: A (Rel-17)  
  
 Source: Qualcomm Incorporated*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102600 CR for TS 38.101-1: Corrections to intra-band UL NC CA requirements**

*Type: CR For: Agreement  
 38.101-1 v16.6.0 CR-0700 Cat: F (Rel-16)  
  
 Source: Apple*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102601 CR for TS 38.101-1: Corrections to intra-band UL NC CA requirements**

*Type: CR For: Agreement  
 38.101-1 v17.0.0 CR-0701 Cat: A (Rel-17)  
  
 Source: Apple*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102626 on FR1 intra-band CA separation class**

*Type: other For: Approval  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

##### 7.11.1.2 Others [NR\_RF\_FR1-Core]

**R4-2100160 Introduction of specific Pcmax requirements for inter-band CA category A-B combos**

*Type: CR For: Agreement  
 38.101-1 v16.6.0 CR-0599 Cat: C (Rel-16)  
  
 Source: InterDigital Communications*

**Abstract:**

Introduction of specific Pcmax requirements for inter-band CA category A-B combos.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100596 UL Switching and coherent UL MIMO Cat-F CR 38.101-1**

*Type: CR For: Agreement  
 38.101-1 v16.6.0 CR-0623 Cat: F (Rel-16)  
  
 Source: Qualcomm Incorporated*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100597 UL Switching and coherent UL MIMO Cat-A CR 38.101-1**

*Type: CR For: Agreement  
 38.101-1 v17.0.0 CR-0624 Cat: A (Rel-17)  
  
 Source: Qualcomm Incorporated*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100792 CR for TS 38.101-1: Correction on 1Tx-2Tx switching between two uplink carriers (Rel-16)**

*Type: CR For: Agreement  
 38.101-1 v16.6.0 CR-0629 Cat: F (Rel-16)  
  
 Source: China Telecom*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100793 CR for TS 38.101-1: Correction on 1Tx-2Tx switching between two uplink carriers (Rel-17)**

*Type: CR For: Agreement  
 38.101-1 v17.0.0 CR-0630 Cat: F (Rel-17)  
  
 Source: China Telecom*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100794 CR for TS 38.101-3: Correction on 1Tx-2Tx switching between two uplink carriers (Rel-16)**

*Type: CR For: Agreement  
 38.101-3 v16.6.0 CR-0447 Cat: F (Rel-16)  
  
 Source: China Telecom*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100795 CR for TS 38.101-3: Correction on 1Tx-2Tx switching between two uplink carriers (Rel-17)**

*Type: CR For: Agreement  
 38.101-3 v17.0.0 CR-0448 Cat: A (Rel-17)  
  
 Source: China Telecom*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101145 Clarification on timing difference for Tx switching in EN-DC R16**

*Type: CR For: Agreement  
 38.101-3 v16.6.0 CR-0456 Cat: F (Rel-16)  
  
 Source: MediaTek inc.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101146 Clarification on timing difference for Tx switching in EN-DC R17**

*Type: CR For: Agreement  
 38.101-3 v17.0.0 CR-0457 Cat: A (Rel-17)  
  
 Source: MediaTek inc.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101285 CR to 38.101-1 (Rel-16) fall back behaviors**

*Type: CR For: Agreement  
 38.101-1 v16.6.0 CR-0639 Cat: F (Rel-16)  
  
 Source: Intel Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101286 CR to 38.101-1 (Rel-17) fall back behaviors**

*Type: CR For: Agreement  
 38.101-1 v17.0.0 CR-0640 Cat: A (Rel-17)  
  
 Source: Intel Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102410 Corrections to PCMAX for UL CA**

*Type: CR For: Agreement  
 38.101-1 v16.6.0 CR-0691 Cat: F (Rel-16)  
  
 Source: Qualcomm Incorporated*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102411 Corrections to PCMAX for UL CA**

*Type: CR For: Agreement  
 38.101-1 v17.0.0 CR-0692 Cat: A (Rel-17)  
  
 Source: Qualcomm Incorporated*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102682 on FR1 intra-band UL CA Pcmax**

*Type: other For: Approval  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

#### 7.11.2 RRM requirements maintenance (38.133) [NR\_RF\_FR1-Core/Perf]

**R4-2101147 Discussion on interruption test cases for Tx switching**

*Type: discussion For: Discussion  
 Source: MediaTek inc.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101148 Update on interruption test cases for Tx switching R16**

*Type: CR For: Agreement  
 38.133 v16.6.0 CR-1559 Cat: F (Rel-16)  
  
 Source: MediaTek inc.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101149 Update on interruption test cases for Tx switching R17**

*Type: CR For: Agreement  
 38.133 v17.0.0 CR-1560 Cat: A (Rel-17)  
  
 Source: MediaTek inc.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101710 Correction on test cases of DL interruptions at switching between two uplink carriers**

*Type: CR For: Agreement  
 38.133 v16.6.0 CR-1659 Cat: F (Rel-16)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101711 Correction on test cases of DL interruptions at switching between two uplink carriers**

*Type: CR For: Agreement  
 38.133 v17.0.0 CR-1660 Cat: A (Rel-17)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

### 7.12 NR RF requirement enhancements for frequency range 2 (FR2) [NR\_RF\_FR2\_req\_enh]

#### 7.12.1 RF core requirements maintenance [NR\_RF\_FR2\_req\_enh-Core]

**R4-2100589 P\_cmax P\_IBE wording refinement and terminology improvement**

*Type: CR For: Agreement  
 38.101-2 v16.6.0 CR-0323 Cat: F (Rel-16)  
  
 Source: Qualcomm Incorporated*

**Abstract:**

Clarify P\_IBE applicability and add A-MPR = 0 condition

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100590 P\_cmax P\_IBE wording refinement and termonology improvement**

*Type: CR For: Agreement  
 38.101-2 v17.0.0 CR-0324 Cat: A (Rel-17)  
  
 Source: Qualcomm Incorporated*

**Abstract:**

Clarify P\_IBE applicability and add A-MPR = 0 condition

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100591 Inter-band + intra-band CA FR2 frequency separation class**

*Type: other For: Approval  
 Source: Qualcomm Incorporated*

**Abstract:**

Add 400 and 600 MHz to Fs

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101287 CR to 38.101-2 (Rel-16) SSB based beam correspondence side condition**

*Type: CR For: Agreement  
 38.101-2 v16.6.0 CR-0326 Cat: F (Rel-16)  
  
 Source: Intel Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101288 CR to 38.101-2 (Rel-17) SSB based beam correspondence side condition**

*Type: CR For: Agreement  
 38.101-2 v17.0.0 CR-0327 Cat: A (Rel-17)  
  
 Source: Intel Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102132 Discussion on frequency separation class**

*Type: other For: Approval  
 Source: ZTE Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **withdrawn**.

**R4-2102183 Discussion on frequency separation class**

*Type: other For: Approval  
 Source: ZTE Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102718 CR on FR2 inter-band DL CA CBM and IBM**

*Type: CR For: Agreement  
 38.101-2 v16.6.0 CR-0344 Cat: F (Rel-16)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

#### 7.12.2 RRM requirements maintenance (38.133) [NR\_RF\_FR2\_req\_enh-Core]

### 7.13 NR RRM requirement enhancement [NR\_RRM\_Enh-Core]

#### 7.13.1 RRM core requirements maintenance (38.133) [NR\_RRM\_Enh-Core]

##### 7.13.1.1 Multiple Scell activation/deactivation [NR\_RRM\_Enh-Core]

**R4-2101058 Remaining Issues on multiple SCell Activation**

*Type: discussion For: Discussion  
 Source: MediaTek inc.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102788 Discussion on remaining issues in multiple SCell activation**

*Type: discussion For: Discussion  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102789 CR on multiple SCell activation requirements**

*Type: CR For: Agreement  
 38.133 v16.6.0 CR-1770 Cat: F (Rel-16)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102790 CR on multiple SCell activation requirements R17**

*Type: CR For: Agreement  
 38.133 v17.0.0 CR-1771 Cat: A (Rel-17)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

##### 7.13.1.2 BWP switching on multiple CCs [NR\_RRM\_Enh-Core]

**R4-2101408 Discussion on RRC based BWP switching on multiple CC**

*Type: discussion For: Discussion  
 Source: Intel Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101409 CR on RRC based BWP switching on multiple CCs (Rel-16)**

*Type: CR For: Agreement  
 38.133 v16.6.0 CR-1597 Cat: B (Rel-16)  
  
 Source: Intel Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101410 CR on RRC based BWP switching on multiple CCs (Rel-17)**

*Type: CR For: Agreement  
 38.133 v17.0.0 CR-1598 Cat: A (Rel-17)  
  
 Source: Intel Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101631 CR on interruption requirements of BWP switch on multiple CCs for EN-DC**

*Type: CR For: Agreement  
 36.133 v16.8.0 CR-7025 Cat: F (Rel-16)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101632 CR on interruption requirements of BWP switch on multiple CCs for EN-DC**

*Type: CR For: Agreement  
 36.133 v17.0.0 CR-7026 Cat: A (Rel-17)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101633 Discussion on requirements maintenance for BWP switch on multiple CCs**

*Type: discussion For: Discussion  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102354 On DCI-based simultaneous BWP switch on multiple CCs**

*Type: discussion For: Discussion  
 Source: Ericsson*

**Abstract:**

Discussion on clarification of DCI-based BWP switching requirement for switching on multiple CCs, in response to LS reply from RAN1.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102355 CR 38.133 (8.6.2A) Clarification on DCI-triggered BWP switch on multiple CCs**

*Type: CR For: Agreement  
 38.133 v16.6.0 CR-1720 Cat: F (Rel-16)  
  
 Source: Ericsson*

**Abstract:**

Adding clarification for DCI-based BWP switching on multiple CCs w.r.t. k0, k1, k2.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102356 CR 38.133 (8.6.2A) Clarification on DCI-triggered BWP switch on multiple CCs**

*Type: CR For: Agreement  
 38.133 v17.0.0 CR-1721 Cat: A (Rel-17)  
  
 Source: Ericsson*

**Abstract:**

Adding clarification for DCI-based BWP switching on multiple CCs w.r.t. k0, k1, k2.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102722 CR on maintenance on BWP switch requirements on multiple CCs**

*Type: CR For: Agreement  
 38.133 v16.6.0 CR-1745 Cat: F (Rel-16)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102723 CR on maintenance on BWP switch requirements on multiple CCs (cat A)**

*Type: CR For: Agreement  
 38.133 v17.0.0 CR-1746 Cat: A (Rel-17)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

##### 7.13.1.3 Other requirements maintenance [NR\_RRM\_Enh-Core]

**R4-2100052 CGI reading with autonomous gaps**

*Type: LS out For: Approval  
 to RAN2  
 Source: ZTE Corporation*

**Abstract:**

According to RAN2 discussion summary during RAN2 112-e, they are waiting for RAN4 input on the value of T321. This discussion paper along with a draft LS discusses this issue and provides a draft LS to be sent to RAN2.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100181 CR on maintenance for inter-band FR2 CA RRM R16**

*Type: CR For: Agreement  
 38.133 v16.6.0 CR-1445 Cat: F (Rel-16)  
  
 Source: Apple*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100182 CR on maintenance for inter-band FR2 CA RRM R17**

*Type: CR For: Agreement  
 38.133 v17.0.0 CR-1446 Cat: A (Rel-17)  
  
 Source: Apple*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100183 CR on UE behavior for UE specific CBW change R16**

*Type: CR For: Agreement  
 38.133 v16.6.0 CR-1447 Cat: F (Rel-16)  
  
 Source: Apple*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100184 CR on UE behavior for UE specific CBW change R17**

*Type: CR For: Agreement  
 38.133 v17.0.0 CR-1448 Cat: A (Rel-17)  
  
 Source: Apple*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100213 Remaining issues for UL spatial relation switching requirements**

*Type: discussion For: Discussion  
 Source: Apple*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100214 CR to 38.133 on UL spatial relation switch requirements (R16)**

*Type: CR For: Agreement  
 38.133 v16.6.0 CR-1459 Cat: F (Rel-16)  
  
 Source: Apple*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100215 CR to 38.133 on UL spatial relation switch requirements (R17)**

*Type: CR For: Agreement  
 38.133 v17.0.0 CR-1460 Cat: A (Rel-17)  
  
 Source: Apple*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100777 Discussion on Inter-band CA requirement for FR2**

*Type: discussion For: Discussion  
 Source: MediaTek inc.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100778 Correction on scheduling availability and measurement restriction on FR2 inter-band CA in R16**

*Type: CR For: Agreement  
 38.133 v16.6.0 CR-1521 Cat: F (Rel-16)  
  
 Source: MediaTek inc.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100779 Correction on scheduling availability and measurement restriction on FR2 inter-band CA in R17**

*Type: CR For: Agreement  
 38.133 v17.0.0 CR-1522 Cat: A (Rel-17)  
  
 Source: MediaTek inc.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101219 CR on TS38.133 for inter-frequency measurement requirement without gap**

*Type: CR For: Agreement  
 38.133 v16.6.0 CR-1585 Cat: F (Rel-16)  
  
 Source: MediaTek inc.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101220 CR on TS38.133 for inter-frequency measurement requirement without gap**

*Type: CR For: Agreement  
 38.133 v17.0.0 CR-1586 Cat: A (Rel-17)  
  
 Source: MediaTek inc.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101689 Correction on interruptions of SRS carrier switching**

*Type: CR For: Agreement  
 38.133 v16.6.0 CR-1647 Cat: F (Rel-16)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101690 Correction on interruptions of SRS carrier switching**

*Type: CR For: Agreement  
 38.133 v17.0.0 CR-1648 Cat: A (Rel-17)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101691 Clarification on inter-frequency measurement without gap requirements**

*Type: CR For: Agreement  
 38.133 v16.6.0 CR-1649 Cat: F (Rel-16)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101692 Clarification on inter-frequency measurement without gap requirements**

*Type: CR For: Agreement  
 38.133 v17.0.0 CR-1650 Cat: A (Rel-17)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101694 UL spatial relation switching to an unknown DL RS**

*Type: CR For: Agreement  
 38.133 v16.6.0 CR-1651 Cat: F (Rel-16)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101695 UL spatial relation switching to an unknown DL RS**

*Type: CR For: Agreement  
 38.133 v17.0.0 CR-1652 Cat: A (Rel-17)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101762 CR to 38.133 correction on SRS carrier based switching core requirements**

*Type: CR For: Agreement  
 38.133 v16.6.0 CR-1661 Cat: F (Rel-16)  
  
 Source: vivo*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101763 CR to 38.133 correction on SRS carrier based switching core requirements**

*Type: CR For: Agreement  
 38.133 v17.0.0 CR-1662 Cat: A (Rel-17)  
  
 Source: vivo*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102686 SRS carrier switching interruption CR**

*Type: CR For: Agreement  
 38.133 v16.6.0 CR-1741 Cat: F (Rel-16)  
  
 Source: Qualcomm, Inc.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102687 SRS carrier switching interruption CR**

*Type: CR For: Agreement  
 38.133 v17.0.0 CR-1742 Cat: A (Rel-17)  
  
 Source: Qualcomm, Inc.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102791 CR on CGI reading requirements 38.133**

*Type: CR For: Agreement  
 38.133 v16.6.0 CR-1772 Cat: F (Rel-16)  
  
 Source: Huawei, HiSilicon, MediaTek*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102792 CR on CGI reading requirements 38.133 R17**

*Type: CR For: Agreement  
 38.133 v17.0.0 CR-1773 Cat: A (Rel-17)  
  
 Source: Huawei, HiSilicon, MediaTek*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102793 CR on CGI reading report delay 36.133**

*Type: CR For: Agreement  
 36.133 v16.8.0 CR-7070 Cat: F (Rel-16)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102794 CR on CGI reading report delay 36.133 R17**

*Type: CR For: Agreement  
 36.133 v17.0.0 CR-7071 Cat: A (Rel-17)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

#### 7.13.2 RRM perf. requirements (38.133) [NR\_RRM\_Enh-Perf]

##### 7.13.2.1 General [NR\_RRM\_Enh-Perf]

**R4-2100225 Test applicability for mandatory gap patterns**

*Type: discussion For: Discussion  
 Source: Apple*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101416 Big CR: Introduction of Rel-16 NR RRM enhancements WI performance requirements and test cases (Rel-16)**

*Type: CR For: Agreement  
 38.133 v16.6.0 CR-1599 Cat: B (Rel-16)  
  
 Source: Intel Corporation, ZTE Corporation, Apple*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101417 Big CR: Introduction of Rel-16 NR RRM enhancements WI performance requirements and test cases (Rel-17)**

*Type: CR For: Agreement  
 38.133 v17.0.0 CR-1600 Cat: A (Rel-17)  
  
 Source: Intel Corporation, ZTE Corporation, Apple*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

##### 7.13.2.2 Test cases [NR\_RRM\_Enh-Perf]

###### 7.13.2.2.1 SRS carrier switching requirements [NR\_RRM\_Enh-Perf]

**R4-2100226 TC4: E-UTRAN – NR interruptions at NR SRS carrier based switching (PSCell in FR2, SCell in FR2)**

*Type: draftCR For: Endorsement  
 38.133 v16.6.0  
 Source: Apple*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100624 SRS carrier switching discussion**

*Type: discussion For: Discussion  
 Source: Qualcomm, Inc.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101688 Discussion on SRS carrier switching test case**

*Type: discussion For: Discussion  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101764 Remaining issues for SRS carrier switching test cases**

*Type: discussion For: Discussion  
 Source: vivo*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101765 CR to 38.133 on SRS configuration**

*Type: draftCR For: Endorsement  
 38.133 v16.6.0  
 Source: vivo*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102533 TC2 - SA interruptions at NR SRS carrier based switching**

*Type: draftCR For: Endorsement  
 38.133 v16.6.0  
 Source: Ericsson*

**Abstract:**

TC2 - SA interruptions at NR SRS carrier based switching

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102634 Test cases for BWP switching on multiple CCs for FR1+FR2**

*Type: other For: Discussion  
 Source: Ericsson*

**Abstract:**

The paper discusses scenarios for RRM tests for multiple BWP switching on CCs with FR1 and FR2

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

###### 7.13.2.2.2 Multiple Scell activation/deactivation [NR\_RRM\_Enh-Perf]

**R4-2101059 draftCR on multiple SCell activation test case**

*Type: draftCR For: Endorsement  
 38.133 v16.6.0  
 Source: MediaTek inc.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

###### 7.13.2.2.3 CGI reading requirements with autonomous gap [NR\_RRM\_Enh-Perf]

**R4-2100623 CGI reading discussion T321 LS**

*Type: discussion For: Discussion  
 Source: Qualcomm, Inc.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101766 On CGI reading test cases**

*Type: discussion For: Discussion  
 Source: vivo*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102795 draftCR to CGI reading TC4**

*Type: draftCR For: Endorsement  
 38.133 v16.6.0  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

###### 7.13.2.2.4 BWP switching on multiple CCs [NR\_RRM\_Enh-Perf]

**R4-2101060 Discussion on multiple BWP switch test case**

*Type: discussion For: Discussion  
 Source: MediaTek inc.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101378 Further considerations on test cases for BWP switch over multiple CCs**

*Type: discussion For: Discussion  
 Source: vivo*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101390 CR for test cases for simultaneously DCI/timer based bwp switch over mulitple CCs on FR1 in SA**

*Type: CR For: Agreement  
 38.133 v16.6.0 CR-1595 Cat: B (Rel-16)  
  
 Source: vivo*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101411 Discussion on test case design for BWP switching on multiple CCs**

*Type: discussion For: Discussion  
 Source: Intel Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101412 Draft CR on DCI-based and Timer-based simultaneous Active BWP Switch on multiple CCs on FR1 in EN-DC (section 4.5.6.x)**

*Type: draftCR For: Endorsement  
 38.133 v16.6.0  
 Source: Intel Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101634 Discussion on performance requirements for BWP switch on multiple CCs**

*Type: discussion For: Discussion  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101635 draftCR to introduce Active BWP Switch on multiple CCs TC2**

*Type: draftCR For: Endorsement  
 38.133 v16.6.0  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102362 On TC4 for simultaneous BWP switch on multiple CCs**

*Type: discussion For: Discussion  
 Source: Ericsson*

**Abstract:**

Discussion on test case for simultaneous BWP switching on multiple CCs.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102363 DraftCR 38.133 (A.7.5.X) TC4 BWP switching**

*Type: draftCR For: Endorsement  
 38.133 v16.6.0  
 Source: Ericsson*

**Abstract:**

TC4 for simultaneous BWP switching on multiple CCs

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

###### 7.13.2.2.5 Inter-frequency measurement requirement without MG [NR\_RRM\_Enh-Perf]

**R4-2100627 Inter frequency w/o gap power imbalance discussion**

*Type: discussion For: Discussion  
 Source: Qualcomm, Inc.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101693 Correction on inter-frequency measurement without gap test case**

*Type: draftCR For: Endorsement  
 38.133 v16.6.0  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

###### 7.13.2.2.6 Mandatory MG patterns [NR\_RRM\_Enh-Perf]

**R4-2100625 Mandatory MG applicability rule discussion**

*Type: discussion For: Discussion  
 Source: Qualcomm, Inc.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100626 Mandatory MG applicability rule CR**

*Type: draftCR For: Endorsement  
 38.133 v16.6.0  
 Source: Qualcomm, Inc.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100860 Discussion on test cases for mandatory MG patterns**

*Type: discussion For: Discussion  
 Source: CMCC*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101922 On test cases for mandatory gap patterns**

*Type: discussion For: Discussion  
 Source: ZTE Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102361 Test case applicability for mandatory measurement gaps in R15/R16**

*Type: discussion For: Discussion  
 Source: Ericsson*

**Abstract:**

Discussion on test case applicability for measurement gaps.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

###### 7.13.2.2.7 UE-specific CBW change [NR\_RRM\_Enh-Perf]

**R4-2101070 draftCR on the CBW change test case for adding the UL CBW configuration**

*Type: draftCR For: Endorsement  
 38.133 v16.6.0  
 Source: MediaTek inc.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

###### 7.13.2.2.8 Spatial relation switch for uplink [NR\_RRM\_Enh-Perf]

**R4-2101696 Correction on uplink spatial relation switching test case**

*Type: draftCR For: Endorsement  
 38.133 v16.6.0  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102265 Test case for RRC based UL spatial relation switch associated with a known DL-RS in SA for periodic SRS**

*Type: draftCR For: Endorsement  
 38.133 v16.6.0  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

###### 7.13.2.2.9 Inter-band CA requirement for FR2 UE measurement capability of independent Rx beam [NR\_RRM\_Enh-Perf]

**R4-2101679 DraftCR on SCell activation and deactication delay test for FR2 inter-band CA**

*Type: draftCR For: Endorsement  
 38.133 v16.6.0  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102888 Updates on Test Configuration for FR2 Inter-band CA IBM UEs**

*Type: discussion For: Discussion  
 38.133 v..  
 Source: Qualcomm Incorporated*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

### 7.14 NR RRM requirements for CSI-RS based L3 measurement [NR\_CSIRS\_L3meas]

#### 7.14.1 RRM core requirements maintenance (38.133) [NR\_CSIRS\_L3meas-Core]

**R4-2100242 CR on CSSF with CSI-RS for L3 measurement**

*Type: CR For: Agreement  
 38.133 v16.6.0 CR-1468 Cat: F (Rel-16)  
  
 Source: Apple*

**Discussion:**

[report of discussion]

**Decision:** The document was **withdrawn**.

**R4-2100243 On remaining core issues of CSI-RS for L3 measurements**

*Type: discussion For: Agreement  
 Source: Apple*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100421 Discussion on core part maintenance open issues**

*Type: discussion For: Discussion  
 Source: CATT*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100422 CR on CSI-RS based L3 measurement**

*Type: CR For: Agreement  
 38.133 v16.6.0 CR-1470 Cat: F (Rel-16)  
  
 Source: CATT*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100461 CR on CSI-RS based L3 measurement**

*Type: CR For: Agreement  
 38.133 v17.0.0 CR-1482 Cat: A (Rel-17)  
  
 Source: CATT*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100716 Discussion on the remaining issues of core requirement for CSI-RS L3 measurement**

*Type: discussion For: Discussion  
 Source: Xiaomi*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100718 CR on core requirement for CSI-RS L3 measurement**

*Type: draftCR For: Endorsement  
 38.133 v16.6.0  
 Source: Xiaomi*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101150 Maintenance CR for CSI-RS based L3 measurement requirements R16**

*Type: CR For: Agreement  
 38.133 v16.6.0 CR-1561 Cat: F (Rel-16)  
  
 Source: MediaTek inc.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101151 Maintenance CR for CSI-RS based L3 measurement requirements R17**

*Type: CR For: Agreement  
 38.133 v17.0.0 CR-1562 Cat: A (Rel-17)  
  
 Source: MediaTek inc.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101185 Comments on remaining issues of CSI-RS based L3 measurement core requirements**

*Type: discussion For: (not specified)  
 38.133 v..  
 Source: Qualcomm CDMA Technologies*

**Abstract:**

The remaining issues in the core requirements of CSI-RS based L3 measurements from 97e are discussed.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101393 Open issues on the CSI-RS based measurement requirements**

*Type: discussion For: Discussion  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101394 38.133 CR on the CSI-RS based measurement requirements**

*Type: CR For: Agreement  
 38.133 v16.6.0 CR-1596 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101767 Remaining issues on CSI-RS L3 measurement core requirements**

*Type: discussion For: Discussion  
 Source: vivo*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101837 Discussion on remaining issues for CSI-RS based L3 measurement**

*Type: discussion For: Discussion  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101838 CR on CSI-RS based intra-frequency scheduling restriction**

*Type: CR For: Agreement  
 38.133 v16.6.0 CR-1676 Cat: F (Rel-16)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101839 CR on CSI-RS based intra-frequency scheduling restriction**

*Type: CR For: Agreement  
 38.133 v17.0.0 CR-1677 Cat: A (Rel-17)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101840 Correction on CSSFoutsidegap**

*Type: CR For: Agreement  
 38.133 v16.6.0 CR-1678 Cat: F (Rel-16)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101841 Correction on CSSFoutsidegap**

*Type: CR For: Agreement  
 38.133 v17.0.0 CR-1679 Cat: A (Rel-17)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101842 CR on CSI-RS measurement window and intra-frequency measurements**

*Type: CR For: Agreement  
 38.133 v16.6.0 CR-1680 Cat: F (Rel-16)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101843 CR on CSI-RS measurement window and intra-frequency measurements**

*Type: CR For: Agreement  
 38.133 v17.0.0 CR-1681 Cat: A (Rel-17)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102612 38.133 CR on the CSI-RS based measurement requirements**

*Type: CR For: Agreement  
 38.133 v17.0.0 CR-1737 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

#### 7.14.2 RRM perf. requirements (38.133) [NR\_CSIRS\_L3meas-Perf]

**R4-2100717 Discussion on the remaining issues of performance requirement for CSI-RS L3 measurement**

*Type: discussion For: Discussion  
 Source: Xiaomi*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

##### 7.14.2.1 General [NR\_CSIRS\_L3meas-Perf]

**R4-2101203 On the performance requirements of CSI-RS based L3 measurement**

*Type: discussion For: (not specified)  
 38.133 v..  
 Source: Qualcomm CDMA Technologies*

**Abstract:**

Sim results on CSI-RSRP and CSI-SINR

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101291 Big CR: Introduction of Rel-16 CSI-RS based L3 measurement RRM performance requirements**

*Type: CR For: Agreement  
 38.133 v16.6.0 CR-1587 Cat: B (Rel-16)  
  
 Source: CATT*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101395 Discussion on the performance of CSI-RS based measurements**

*Type: discussion For: Discussion  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101413 Discussion on CSI-RS L3 measurement**

*Type: discussion For: Discussion  
 Source: Intel Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

###### 7.14.2.1.1 CSI-RSRP requirements [NR\_CSIRS\_L3meas-Perf]

**R4-2100423 Updated simulation results for CSI-RSRP measurement**

*Type: discussion For: Discussion  
 Source: CATT*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100426 Discussion on performance requirement for CSI-RSRP**

*Type: discussion For: Discussion  
 Source: CATT*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100429 CR on performance requirement for CSI-RSRP**

*Type: CR For: Agreement  
 38.133 v16.6.0 CR-1471 Cat: B (Rel-16)  
  
 Source: CATT*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100462 CR on performance requirement for CSI-RSRP**

*Type: CR For: Agreement  
 38.133 v17.0.0 CR-1483 Cat: A (Rel-17)  
  
 Source: CATT*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100719 CR on CSI-RSRP performance requirement for CSI-RS L3 measurement**

*Type: draftCR For: Endorsement  
 38.133 v16.6.0  
 Source: Xiaomi*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100861 Discussion on performance requirements for CSI-RS based L3 measurement**

*Type: discussion For: Approval  
 Source: CMCC*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100862 Simulation results for CSI-RSRP**

*Type: discussion For: Information  
 Source: CMCC*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101152 CSI-RSRP measurement accuracy requirement**

*Type: discussion For: Discussion  
 Source: MediaTek inc.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101396 38.133 draftCR on the CSI-RSRP accuracy requirements**

*Type: draftCR For: Endorsement  
 38.133 v16.6.0  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101397 Simulation results for CSI-RS based measurements**

*Type: discussion For: Discussion  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101532 Discussion on remaining issues for CSI-RS measurement accuracy requirements**

*Type: discussion For: Discussion  
 Source: OPPO*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101768 Simulation results for CSI-RSRP measurement accuracy**

*Type: other For: Information  
 Source: vivo*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101769 Discussion on CSI-RSRP measurement accuracy requirements**

*Type: discussion For: Discussion  
 Source: vivo*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102799 Discussion on CSI-RSRP accuracy requirements**

*Type: discussion For: Discussion  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

###### 7.14.2.1.2 CSI-RSRQ requirements [NR\_CSIRS\_L3meas-Perf]

**R4-2100424 Updated simulation results for CSI-RSRQ measurement**

*Type: discussion For: Discussion  
 Source: CATT*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100427 Discussion on performance requirement for CSI-RSRQ**

*Type: discussion For: Discussion  
 Source: CATT*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100430 CR on performance requirement for CSI-RSRQ**

*Type: CR For: Agreement  
 38.133 v16.6.0 CR-1472 Cat: B (Rel-16)  
  
 Source: CATT*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100463 CR on performance requirement for CSI-RSRQ**

*Type: CR For: Agreement  
 38.133 v17.0.0 CR-1484 Cat: A (Rel-17)  
  
 Source: CATT*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100720 CR on CSI-RSRQ performance requirement for CSI-RS L3 measurement**

*Type: draftCR For: Endorsement  
 38.133 v16.6.0  
 Source: Xiaomi*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100863 Simulation results for CSI-RSRQ**

*Type: discussion For: Information  
 Source: CMCC*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101770 Simulation results for CSI-RSRQ measurement accuracy**

*Type: other For: Information  
 Source: vivo*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101771 Discussion on CSI-RSRQ measurement accuracy requirements**

*Type: discussion For: Discussion  
 Source: vivo*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

###### 7.14.2.1.3 CSI-SINR requirements [NR\_CSIRS\_L3meas-Perf]

**R4-2100425 Simulation results for CSI-SINR measurement**

*Type: discussion For: Discussion  
 Source: CATT*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100428 Discussion on performance requirement for CSI-SINR**

*Type: discussion For: Discussion  
 Source: CATT*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100431 CR on performance requirement for CSI-SINR**

*Type: CR For: Agreement  
 38.133 v16.6.0 CR-1473 Cat: B (Rel-16)  
  
 Source: CATT*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100464 CR on performance requirement for CSI-SINR**

*Type: CR For: Agreement  
 38.133 v17.0.0 CR-1485 Cat: A (Rel-17)  
  
 Source: CATT*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100721 CR on CSI-SINR performance requirement for CSI-RS L3 measurement**

*Type: draftCR For: Endorsement  
 38.133 v16.6.0  
 Source: Xiaomi*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100864 Simulation results for CSI-SINR**

*Type: discussion For: Information  
 Source: CMCC*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100865 Discussion on side condition for CSI-SINR measurement**

*Type: discussion For: Discussion  
 Source: CMCC*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101153 CSI-SINR measurement accuracy requirement**

*Type: discussion For: Discussion  
 Source: MediaTek inc.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101772 Simulation results for CSI-SINR measurement accuracy**

*Type: other For: Information  
 Source: vivo*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101773 Discussion on CSI-SINR measurement accuracy requirements**

*Type: discussion For: Discussion  
 Source: vivo*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102800 Discussion on CSI-SINR accuracy requirements**

*Type: discussion For: Discussion  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102801 draftCR on CSI-SINR accuracy requirements**

*Type: draftCR For: Endorsement  
 38.133 v16.6.0  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

##### 7.14.2.2 Test cases [NR\_CSIRS\_L3meas-Perf]

**R4-2101292 Big CR: Introduction of Rel-16 CSI-RS based L3 measurement RRM test cases**

*Type: CR For: Agreement  
 38.133 v16.6.0 CR-1588 Cat: B (Rel-16)  
  
 Source: CATT*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

###### 7.14.2.2.1 General [NR\_CSIRS\_L3meas-Perf]

**R4-2100432 Discussion on test case for CSI-RS based measurement**

*Type: discussion For: Discussion  
 Source: CATT*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101533 CR for CSI-RS L3 RRM tests**

*Type: CR For: Agreement  
 38.133 v16.6.0 CR-1611 Cat: F (Rel-16)  
  
 Source: OPPO, CATT*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101774 Remaining issues on CSI-RS L3 measurement test cases**

*Type: discussion For: Discussion  
 Source: vivo*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102802 Discussion on remaining issues in CSI-RS RRM test cases**

*Type: discussion For: Discussion  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

###### 7.14.2.2.2 Intra-frequency measurement [NR\_CSIRS\_L3meas-Perf]

**R4-2100433 CR on test case for CSI-RS based intra-frequency measurement for FR1 in SA**

*Type: CR For: Agreement  
 38.133 v16.6.0 CR-1474 Cat: B (Rel-16)  
  
 Source: CATT*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100465 CR on test case for CSI-RS based intra-frequency measurement for FR1 in SA**

*Type: CR For: Agreement  
 38.133 v17.0.0 CR-1486 Cat: A (Rel-17)  
  
 Source: CATT*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100722 RRM test cases for CSI-RS L3 intra-frequency measurements**

*Type: draftCR For: Endorsement  
 38.133 v16.6.0  
 Source: Xiaomi*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102820 Draft test case of CSI-RS based intra-frequency test for EN-DC event triggered reporting tests without gap for NR neighbor cell in FR2**

*Type: draftCR For: Endorsement  
 38.133 v16.6.0  
 Source: Qualcomm CDMA Technologies*

**Abstract:**

Update the cell time offset for the intra-frequency CSI-RS L3 test to be within a CP.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

###### 7.14.2.2.3 Inter-frequency measurement [NR\_CSIRS\_L3meas-Perf]

**R4-2100434 CR on test case for CSI-RS based inter-frequency measurement for FR1 in SA**

*Type: CR For: Agreement  
 38.133 v16.6.0 CR-1475 Cat: B (Rel-16)  
  
 Source: CATT*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100466 CR on test case for CSI-RS based inter-frequency measurement for FR1 in SA**

*Type: CR For: Agreement  
 38.133 v17.0.0 CR-1487 Cat: A (Rel-17)  
  
 Source: CATT*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100723 RRM test cases for CSI-RS L3 inter-frequency measurements**

*Type: draftCR For: Endorsement  
 38.133 v16.6.0  
 Source: Xiaomi*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101534 CR on EN-DC tests for NR inter-frequency neighbor cell in FR2(PScell in FR2)**

*Type: CR For: Agreement  
 38.133 v16.6.0 CR-1612 Cat: F (Rel-16)  
  
 Source: OPPO*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

###### 7.14.2.2.4 Measurement performance [NR\_CSIRS\_L3meas-Perf]

**R4-2100435 CR on test case for CSI-RSRP measurement accuracy requirements in SA**

*Type: CR For: Agreement  
 38.133 v16.6.0 CR-1476 Cat: B (Rel-16)  
  
 Source: CATT*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100467 CR on test case for CSI-RSRP measurement accuracy requirements in SA**

*Type: CR For: Agreement  
 38.133 v17.0.0 CR-1488 Cat: A (Rel-17)  
  
 Source: CATT*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100724 RRM test cases for CSI-RS L3 measurement performance requirements**

*Type: draftCR For: Endorsement  
 38.133 v16.6.0  
 Source: Xiaomi*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101154 CR to Update timing offset in test case for CSI-SINR in SA FR2**

*Type: draftCR For: Endorsement  
 38.133 v16.6.0  
 Source: MediaTek inc.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101535 CR on EN-DC tests for CSI-RSRQ accuracy**

*Type: CR For: Agreement  
 38.133 v16.6.0 CR-1613 Cat: F (Rel-16)  
  
 Source: OPPO*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101775 CR to 38.133 correction to test cases for EN-DC CSI-SINR measurement accuracy**

*Type: draftCR For: Endorsement  
 38.133 v16.6.0  
 Source: vivo*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102803 draft CR to update TC3 and TC12 for CSI-RS accuracy test**

*Type: draftCR For: Endorsement  
 38.133 v16.6.0  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102825 Draft test case of measurement performance for EN-DC CSI-RSRP measurement accuracy for NR neighbor cell in FR2**

*Type: draftCR For: Endorsement  
 38.133 v16.6.0  
 Source: Qualcomm CDMA Technologies*

**Abstract:**

Update the cell time offset for the test cases of measurement performance in the scenario of EN-DC FR2

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

### 7.15 NR support for high speed train scenario [NR\_HST]

#### 7.15.1 RRM requirements maintenance (38.133) [NR\_HST-Core/Perf]

**R4-2100237 R16 HST maintenance: measurement requirements for active SCell in HST**

*Type: discussion For: Discussion  
 Source: Apple*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100238 CR on HST core part maintenance**

*Type: CR For: Agreement  
 38.133 v16.6.0 CR-1466 Cat: F (Rel-16)  
  
 Source: Apple*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100239 CR on HST core part maintenance (R17)**

*Type: CR For: Agreement  
 38.133 v16.6.0 CR-1467 Cat: A (Rel-16)  
  
 Source: Apple*

**Discussion:**

[report of discussion]

**Decision:** The document was **withdrawn**.

**R4-2100484 Correction to cell reselection test case for HST**

*Type: CR For: Agreement  
 38.133 v16.6.0 CR-1499 Cat: F (Rel-16)  
  
 Source: CATT*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100485 Correction to cell reselection test case for HST**

*Type: CR For: Agreement  
 38.133 v17.0.0 CR-1500 Cat: A (Rel-17)  
  
 Source: CATT*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100849 CR on HST RRM requirements in connected mode**

*Type: CR For: Agreement  
 38.133 v16.6.0 CR-1526 Cat: F (Rel-16)  
  
 Source: CMCC*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100850 CR on HST RRM requirements in connected mode**

*Type: CR For: Agreement  
 38.133 v17.0.0 CR-1527 Cat: A (Rel-17)  
  
 Source: CMCC*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101013 CR on HST core part maintenance (R17)**

*Type: CR For: Agreement  
 38.133 v17.0.0 CR-1544 Cat: A (Rel-17)  
  
 Source: Apple*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101844 Correction on inter-RAT measurement in high speed scenario**

*Type: CR For: Agreement  
 38.133 v16.6.0 CR-1682 Cat: F (Rel-16)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101845 Correction on inter-RAT measurement in high speed scenario**

*Type: CR For: Agreement  
 38.133 v17.0.0 CR-1683 Cat: A (Rel-17)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101846 Correction on test cases for inter-RAT cell identification in connected mode for HST**

*Type: CR For: Agreement  
 38.133 v16.6.0 CR-1684 Cat: F (Rel-16)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101847 Correction on test cases for inter-RAT cell identification in connected mode for HST**

*Type: CR For: Agreement  
 38.133 v17.0.0 CR-1685 Cat: A (Rel-17)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

#### 7.15.2 Demodulation and CSI requirements Maintenance (38.101-4 / 38.104) [NR\_HST-Perf]

##### 7.15.2.1 UE demodulation and CSI requirements [NR\_HST-Perf]

**R4-2100168 CR on FDD HST Single-Tap and Multipath Fading Requirements**

*Type: CR For: Agreement  
 38.101-4 v16.3.0 CR-0124 Cat: F (Rel-16)  
  
 Source: Qualcomm Incorporated*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100848 CR on HST-SFN requirements for TDD**

*Type: CR For: Agreement  
 38.101-4 v16.3.0 CR-0132 Cat: F (Rel-16)  
  
 Source: CMCC*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100854 CR on release independent for Rel.16 NR HST UE demodulation requirements**

*Type: CR For: Agreement  
 38.307 v15.7.0 CR-0046 Cat: F (Rel-15)  
  
 Source: CMCC*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100855 CR on release independent for Rel.16 NR HST UE demodulation requirements**

*Type: CR For: Agreement  
 38.307 v16.5.0 CR-0047 Cat: F (Rel-16)  
  
 Source: CMCC*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100856 CR on release independent for Rel.16 NR HST UE demodulation requirements**

*Type: CR For: Agreement  
 38.307 v17.0.0 CR-0048 Cat: A (Rel-17)  
  
 Source: CMCC*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101300 CR on update TRS and CSI-RS transmission for HST DPS requirements**

*Type: CR For: Agreement  
 38.101-4 v16.3.0 CR-0146 Cat: F (Rel-16)  
  
 Source: Huawei, HiSilicon, Ericsson, Intel Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101301 Summary of ideal and impairment results for NR HST demodulation requirements**

*Type: other For: Information  
 Source: Huawei, HiSilicon*

**Abstract:**

Include updated simulation results

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101438 Simulation results for HST-DPS**

*Type: other For: Information  
 Source: Ericsson*

**Abstract:**

This contribution updates our PDSCH simulation results for HST-DPS scenario.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

##### 7.15.2.2 BS demodulation requirements [NR\_HST-Perf]

**R4-2100380 Summary of ideal and impairment results for NR HST demodulation requirements**

*Type: discussion For: Discussion  
 Source: CATT*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100381 CR for TS 38.141-2: Introduction of NR PUSCH UL TA performance requirement**

*Type: CR For: Agreement  
 38.141-2 v16.6.0 CR-0261 Cat: F (Rel-16)  
  
 Source: CATT*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100382 CR for TS 38.141-2: Introduction of NR PUSCH UL TA performance requirement(Rel-17)**

*Type: CR For: Agreement  
 38.141-2 v17.0.0 CR-0262 Cat: A (Rel-17)  
  
 Source: CATT*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100558 CR for 38.104: HST PUSCH demodulation requirements**

*Type: CR For: Agreement  
 38.104 v16.6.0 CR-0263 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Abstract:**

Update of square bracketed SNR values according to the simulation summary of last meeting [R4-2017557].

Removal of all remaining square brackets.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100559 CR for 38.104: HST PUSCH demodulation requirements**

*Type: CR For: Agreement  
 38.104 v17.0.0 CR-0264 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100922 Updated simulation results for NR HST PUSCH**

*Type: discussion For: Discussion  
 Source: Samsung*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100925 CR on UL timing adjustment conducted performance requirement for TS 38.141-1**

*Type: CR For: Agreement  
 38.141-1 v16.6.0 CR-0178 Cat: F (Rel-16)  
  
 Source: Samsung*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100926 CR on UL timing adjustment conducted performance requirement for TS 38.141-1**

*Type: CR For: Agreement  
 38.141-1 v17.0.0 CR-0179 Cat: A (Rel-17)  
  
 Source: Samsung*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100993 remove SNR brackets for HST PUSCH in TS38.141-2**

*Type: CR For: Agreement  
 38.141-2 v16.6.0 CR-0273 Cat: F (Rel-16)  
  
 Source: Ericsson*

**Abstract:**

remove SNR brackets for HST PUSCH

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100994 remove SNR brackets for HST PUSCH in TS38.141-2**

*Type: CR For: Agreement  
 38.141-2 v17.0.0 CR-0274 Cat: A (Rel-17)  
  
 Source: Ericsson*

**Abstract:**

remove SNR brackets for HST PUSCH

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101042 CR for TS 38.141-1 Updates of NR PUSCH performance requirements for HST**

*Type: CR For: Agreement  
 38.141-1 v16.6.0 CR-0180 Cat: F (Rel-16)  
  
 Source: NTT DOCOMO, INC.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101043 CR for TS 38.141-1 Updates of NR PUSCH performance requirements for HST**

*Type: CR For: Agreement  
 38.141-1 v17.0.0 CR-0181 Cat: A (Rel-17)  
  
 Source: NTT DOCOMO, INC.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101319 CR for 38.104 Cleanup of performance requirements for NR HST PRACH under fading channel (Rel-16)**

*Type: CR For: Agreement  
 38.104 v16.6.0 CR-0276 Cat: F (Rel-16)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101320 CR for 38.141-1 Cleanup of conformance testing for NR HST PRACH under fading channel (Rel-16)**

*Type: CR For: Agreement  
 38.141-1 v16.6.0 CR-0187 Cat: F (Rel-16)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101321 CR for 38.141-2 Cleanup of conformance testing for NR HST PRACH under fading channel (Rel-16)**

*Type: CR For: Agreement  
 38.141-2 v16.6.0 CR-0284 Cat: F (Rel-16)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101324 CR for 38.104 Cleanup of performance requirements for NR HST PRACH under fading channel (Rel-17)**

*Type: CR For: Agreement  
 38.104 v17.0.0 CR-0277 Cat: A (Rel-17)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101325 CR for 38.141-1 Cleanup of conformance testing for NR HST PRACH under fading channel (Rel-17)**

*Type: CR For: Agreement  
 38.141-1 v17.0.0 CR-0188 Cat: A (Rel-17)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101326 CR for 38.141-2 Cleanup of conformance testing for NR HST PRACH under fading channel (Rel-17)**

*Type: CR For: Agreement  
 38.141-2 v17.0.0 CR-0285 Cat: A (Rel-17)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101849 CR to TS 38.104 Update on UL timing adjustment performance requirements**

*Type: CR For: Agreement  
 38.104 v16.6.0 CR-0280 Cat: F (Rel-16)  
  
 Source: ZTE Wistron Telecom AB*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

### 7.16 NR performance requirement enhancement [NR\_perf\_enh-Perf]

#### 7.16.1 UE demodulation and CSI requirements (38.101-4) [NR\_perf\_enh-Perf]

##### 7.16.1.1 NR CA PDSCH requirements [NR\_perf\_enh-Perf]

**R4-2100786 Remaining issues on PDSCH CA test applicability**

*Type: discussion For: Discussion  
 Source: China Telecom*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100816 CR for NR PDSCH FR1 CA 2Rx performance requirements**

*Type: CR For: Agreement  
 38.101-4 v16.3.0 CR-0130 Cat: F (Rel-16)  
  
 Source: CMCC*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100822 Test applicability rule for NR CA PDSCH normal demodulation**

*Type: discussion For: Discussion  
 Source: CMCC*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101254 Discussion on NR CA UE demodulation requirements**

*Type: discussion For: Discussion  
 Source: Intel Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101255 CR on applicability rules for Normal NR CA requirements**

*Type: CR For: Agreement  
 38.101-4 v16.3.0 CR-0142 Cat: B (Rel-16)  
  
 Source: Intel Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101365 Discussion on NR normal CA performance requirements**

*Type: discussion For: Discussion  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101434 Draft CR: Section numbering for PDSCH CA demodulation requirements**

*Type: draftCR For: Endorsement  
 38.101-4 v16.3.0  
 Source: Ericsson*

**Abstract:**

This draft CR proposes to change the section numbering to align with RAN5 spec.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102818 Specification Structure for CA Test Cases**

*Type: discussion For: Approval  
 Source: Qualcomm Incorporated*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

##### 7.16.1.2 PMI reporting requirements with larger number of Tx ports [NR\_perf\_enh-Perf]

**R4-2100216 PMI reporting requirements with larger number of TX ports**

*Type: discussion For: Discussion  
 Source: Apple*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100897 Introduction of PMI test cases with Rel-15 Type II codebook**

*Type: CR For: Agreement  
 38.101-4 v16.3.0 CR-0136 Cat: B (Rel-16)  
  
 Source: Samsung*

**Abstract:**

Introduction of Type II codebook PMI test cases

**Discussion:**

[report of discussion]

**Decision:** The document was **revised to R4-2102939**.

**R4-2100902 Discussion and simulation results for Rel-15 Type II codebook test cases**

*Type: discussion For: Discussion  
 Source: Samsung*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101317 Simulaiton results for Rel-15 Type II codebook PMI reporting test**

*Type: other For: Information  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101318 Discussion on the test point for Rel-15 Type II codebook PMI reporting test with larger Tx ports**

*Type: discussion For: Discussion  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101322 CR for 38.101-4 Applicablity of PMI reporting test with Tx ports larger than 8 and up to 32**

*Type: CR For: Agreement  
 38.101-4 v16.3.0 CR-0149 Cat: B (Rel-16)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101435 Simulation results for Rel-15 Type II PMI reporting test**

*Type: other For: Information  
 Source: Ericsson*

**Abstract:**

This contribution shows our simulation results of Rel-15 Type-II PMI reporting.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101436 Evaluation of Rel-15 Type-II PMI reporting test**

*Type: discussion For: Discussion  
 Source: Ericsson*

**Abstract:**

This contribution discusses the Rel-15 Type-II PMI reporting requirements.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101437 Correction of title on 16Tx port subband PMI reporting**

*Type: CR For: Agreement  
 38.101-4 v16.3.0 CR-0156 Cat: F (Rel-16)  
  
 Source: Ericsson*

**Abstract:**

This CR corrects the wrong sub-clause titles for 16Tx port subband PMI reporting.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102821 Views on Type II PMI Reporting Tests**

*Type: discussion For: (not specified)  
 Source: Qualcomm Incorporated*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102939 Introduction of PMI test cases with Rel-15 Type II codebook**

*Type: CR For: Agreement  
 38.101-4 v16.3.0 CR-0136 rev 1 Cat: B (Rel-16)  
  
 Source: Samsung*

(Replaces R4-2100897)

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

##### 7.16.1.3 FR1 CA and EN-DC power imbalance requirements [NR\_perf\_enh-Perf]

**R4-2101366 Discussion on test applicability rule for UE power imbalance for EN-DC**

*Type: discussion For: Discussion  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101367 CR: Updates to power imbalance for CA**

*Type: CR For: Agreement  
 38.101-4 v16.3.0 CR-0153 Cat: F (Rel-16)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

##### 7.16.1.4 NR CA CQI reporting requirements [NR\_perf\_enh-Perf]

**R4-2100886 CR: Adding applicability and requirements for FR1 and FR2 CA CQI reporting test**

*Type: CR For: Agreement  
 38.101-4 v16.3.0 CR-0134 Cat: B (Rel-16)  
  
 Source: China Telecom*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

##### 7.16.1.5 Release independent [NR\_perf\_enh-Perf]

**R4-2100787 Draft CR for TS 38.307 on UE demodulation performance requirements (Rel-15)**

*Type: CR For: Agreement  
 38.307 v15.7.0 CR-0043 Cat: B (Rel-15)  
  
 Source: China Telecom*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100788 Draft CR for TS 38.307 on UE demodulation performance requirements (Rel-16)**

*Type: CR For: Agreement  
 38.307 v16.5.0 CR-0044 Cat: B (Rel-16)  
  
 Source: China Telecom*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100789 Draft CR for TS 38.307 on UE demodulation performance requirements (Rel-17)**

*Type: CR For: Agreement  
 38.307 v17.0.0 CR-0045 Cat: A (Rel-17)  
  
 Source: China Telecom*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

#### 7.16.2 BS demodulation requirements (38.104) [NR\_perf\_enh-Perf]

### 7.17 Over the air (OTA) base station (BS) testing TR Maintenance [OTA\_BS\_testing-Perf]

**R4-2102492 Relative calibration approach using reference receiver**

*Type: discussion For: Discussion  
 37.941 v..  
 Source: ROHDE & SCHWARZ*

**Abstract:**

This contribution presents the overall description of a relative calibration approach, eventually applicable to all systems, and serves as technical justification for the corresponding CR to implement this option in TR 37.941.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102493 draft CR to TR 37.941: Relative calibration approach**

*Type: draftCR For: Endorsement  
 37.941 v15.2.0  
 Source: ROHDE & SCHWARZ*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102901 CR to TR 37.941: Updating the orthogonal cut procedure**

*Type: CR For: Agreement  
 37.941 v15.2.0 CR-0025 Cat: F (Rel-15)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Abstract:**

Numerical expressions for TRP computation are included.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102902 CR to TR 37.941: Updating the orthogonal cut procedure**

*Type: CR For: Agreement  
 37.941 v16.2.0 CR-0026 Cat: A (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Abstract:**

Numerical expressions for TRP computation are included.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

### 7.18 2-step RACH for NR [NR\_2step\_RACH-Perf]

#### 7.18.1 RRM requirements maintenance (38.133) [NR\_2step\_RACH-Core/Perf]

**R4-2100115 [CR] Applicability rule for 2-step RA**

*Type: CR For: Agreement  
 38.133 v16.6.0 CR-1434 Cat: F (Rel-16)  
  
 Source: ZTE Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100116 [CR] Applicability rule for 2-step RA (Cat A)**

*Type: CR For: Agreement  
 38.133 v17.0.0 CR-1435 Cat: A (Rel-17)  
  
 Source: ZTE Corporation*

**Abstract:**

This is a cat A CR for Release 17.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100580 2-step RACH RRM performance requirements corrections**

*Type: CR For: Agreement  
 38.133 v16.6.0 CR-1501 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100581 2-step RACH RRM performance requirements corrections**

*Type: CR For: Agreement  
 38.133 v17.0.0 CR-1502 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100835 Update the applicability rule for 2-step RA**

*Type: discussion For: Discussion  
 Source: ZTE Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102277 2-step RACH RRM performance requirements corrections**

*Type: CR For: Agreement  
 38.133 v16.6.0 CR-1704 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **withdrawn**.

**R4-2102278 2-step RACH RRM performance requirements corrections**

*Type: CR For: Agreement  
 38.133 v17.0.0 CR-1705 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **withdrawn**.

#### 7.18.2 BS Demodulation requirements maintenance (38.104) [NR\_2step\_RACH-Perf]

**R4-2100582 Corrections on 2-step RACH demodulation requirements**

*Type: CR For: Agreement  
 38.141-1 v16.6.0 CR-0176 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell, Ericsson*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100583 Corrections on 2-step RACH demodulation requirements**

*Type: CR For: Agreement  
 38.141-1 v17.0.0 CR-0177 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell, Ericsson*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100584 2-step RACH simulation results**

*Type: discussion For: Discussion  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100924 Simulation results for BS 2-step RACH requirement**

*Type: discussion For: Discussion  
 Source: Samsung*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100931 CR on MsgA PUSCH radiated performance requirement for TS 38.141-2**

*Type: CR For: Agreement  
 38.141-2 v16.6.0 CR-0271 Cat: F (Rel-16)  
  
 Source: Samsung*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100932 CR on MsgA PUSCH radiated performance requirement for TS 38.141-2**

*Type: CR For: Agreement  
 38.141-2 v17.0.0 CR-0272 Cat: A (Rel-17)  
  
 Source: Samsung*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101302 CR on correction 2-step RACH performance requirements for FR2 in 38.104 (Rel-16)**

*Type: CR For: Agreement  
 38.104 v16.6.0 CR-0274 Cat: F (Rel-16)  
  
 Source: Huawei, HiSilicon, Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101303 CR on correction 2-step RACH performance requirements for FR2 in 38.104 (Rel-17)**

*Type: CR For: Agreement  
 38.104 v17.0.0 CR-0275 Cat: A (Rel-17)  
  
 Source: Huawei, HiSilicon, Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101304 CR on update applicability rule for 2-step RACH in 38.141-1 (Rel-16)**

*Type: CR For: Agreement  
 38.141-1 v16.6.0 CR-0185 Cat: F (Rel-16)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101305 CR on update applicability rule for 2-step RACH in 38.141-1 (Rel-17)**

*Type: CR For: Agreement  
 38.141-1 v17.0.0 CR-0186 Cat: A (Rel-17)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101306 CR on update applicability rule for 2-step RACH in 38.141-2 (Rel-16)**

*Type: CR For: Agreement  
 38.141-2 v16.6.0 CR-0282 Cat: F (Rel-16)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101307 CR on update applicability rule for 2-step RACH in 38.141-2 (Rel-17)**

*Type: CR For: Agreement  
 38.141-2 v17.0.0 CR-0283 Cat: A (Rel-17)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102279 Corrections on 2-step RACH demodulation requirements**

*Type: CR For: Agreement  
 38.141-1 v16.6.0 CR-0203 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell, Ericsson*

**Discussion:**

[report of discussion]

**Decision:** The document was **withdrawn**.

**R4-2102280 Corrections on 2-step RACH demodulation requirements**

*Type: CR For: Agreement  
 38.141-1 v17.0.0 CR-0204 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell, Ericsson*

**Discussion:**

[report of discussion]

**Decision:** The document was **withdrawn**.

**R4-2102281 2-step RACH simulation results**

*Type: discussion For: Discussion  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **withdrawn**.

#### 7.18.3 Others [NR\_2step\_RACH-Perf]

### 7.19 R16 NR maintenance [WI code or TEI16]

#### 7.19.1 UE transient period capability [TEI16]

**R4-2101460 Short Transient Period Testing**

*Type: other For: Approval  
 Source: Qualcomm Incorporated*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101484 CR on introduction of shorter Transient Period Capability**

*Type: CR For: Agreement  
 38.101-1 v16.6.0 CR-0641 Cat: B (Rel-16)  
  
 Source: Qualcomm Incorporated*

**Abstract:**

Resubmission of endorsed Draft CR R4-2011766

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101487 CR on introduction of shorter Transient Period Capability**

*Type: CR For: Agreement  
 38.101-1 v17.0.0 CR-0642 Cat: A (Rel-17)  
  
 Source: Qualcomm Incorporated*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102629 on transient period UE capability**

*Type: other For: Approval  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102684 CR on TS 38.101-1 time mask for shorter transient**

*Type: CR For: Agreement  
 38.101-1 v16.6.0 CR-0709 Cat: F (Rel-16)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

#### 7.19.2 Transmit diversity and power class related to UL MIMO [TEI16]

##### 7.19.2.1 R16 support of transmit diversity [TEI16]

**R4-2100095 Remaining items on transparent Tx diversity**

*Type: discussion For: Approval  
 Source: Anritsu corporation*

**Abstract:**

In this contribution we show our views on the following remaining issues.

(1) UE Behavior under Conformance Testing

(2) Signaling for Transparent TxD

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100523 On Tx diversity**

*Type: discussion For: Decision  
 Source: Apple Inc.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100592 TxD open items for Rel-16**

*Type: other For: Approval  
 Source: Qualcomm Incorporated*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100594 Introduction of Tx diversity in tor 38101-1 Cat-B CR 38.101-1**

*Type: CR For: Agreement  
 38.101-1 v16.6.0 CR-0621 Cat: B (Rel-16)  
  
 Source: Qualcomm Incorporated*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100595 Introduction of Tx diversity in tor 38101-1 Cat-F CR 38.101-1**

*Type: CR For: Agreement  
 38.101-1 v17.0.0 CR-0622 Cat: A (Rel-17)  
  
 Source: Qualcomm Incorporated*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100914 On the Support of Transparent Tx Diversity in Rel-16**

*Type: discussion For: Discussion  
 Source: Samsung*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101108 Discussion on Tx diversity open issues**

*Type: other For: Approval  
 Source: Xiaomi*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101289 Remaining Issues on Transparent TxD**

*Type: discussion For: Approval  
 Source: Intel Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101721 Support of transparent TxD and the associated EVM requirements**

*Type: other For: Approval  
 Source: Ericsson*

**Abstract:**

In this contribution we propose capabilities for TX diversity and EVM measurements. CDD is also discussed.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101749 Discussion on UE power class high limit**

*Type: discussion For: Approval  
 Source: OPPO*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101751 Discussion on Rel-16 TxD**

*Type: discussion For: Approval  
 Source: OPPO*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101850 EVM for transparent TxD**

*Type: discussion For: Discussion  
 Source: ZTE Wistron Telecom AB*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102089 Discussion on FR1 EVM measurements**

*Type: discussion For: Approval  
 Source: Rohde & Schwarz*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102383 On TxD RF requirements**

*Type: other For: Approval  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102384 CR for TS 38.101-1: TxD requirements**

*Type: CR For: Agreement  
 38.101-1 v16.6.0 CR-0686 Cat: B (Rel-16)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102683 CR for TS 38.101-1 Tx diversity requirements**

*Type: CR For: Agreement  
 38.101-1 v17.0.0 CR-0708 Cat: B (Rel-17)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102704 Remaining issues in Transparent Tx Diversity**

*Type: discussion For: Discussion  
 Source: vivo*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102917 On the EVM Definition for Transmit Diversity and Antenna Ports**

*Type: discussion For: Approval  
 Source: Lenovo, Motorola Mobility*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

##### 7.19.2.2 Power class related to UL MIMO and other related req. (MPR, SEM, etc) [TEI16 or NR\_newRAT-Core]

**R4-2100593 Power class due to TxD in Rel-15**

*Type: discussion For: (not specified)  
 Source: Qualcomm Incorporated*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102385 Discussion on Reply LS to RAN5 On EN-DC power class**

*Type: other For: Approval  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102705 Remaining issues in Power class & UL MIMO related requirments**

*Type: discussion For: Discussion  
 Source: vivo*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

#### 7.19.3 Other UE RF [WI code or TEI16]

**R4-2100112 PC1 and PC3 Updates for Band n14**

*Type: CR For: Agreement  
 38.101-1 v16.6.0 CR-0588 Cat: F (Rel-16)  
  
 Source: AT&T*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100119 PC1 and PC3 Updates for Band n14**

*Type: CR For: Agreement  
 38.101-1 v17.0.0 CR-0589 Cat: A (Rel-17)  
  
 Source: AT&T*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100127 CR to TS 38.101-2 on correction to intra-band non-contiguous CA configurations (Rel-16)**

*Type: CR For: Agreement  
 38.101-2 v16.6.0 CR-0318 Cat: F (Rel-16)  
  
 Source: ZTE Corporation*

**Abstract:**

This CR is for correction to intra-band non-contiguous CA configurations

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100128 CR to TS 38.101-2 on correction to intra-band non-contiguous CA configurations (Rel-17)**

*Type: CR For: Agreement  
 38.101-2 v17.0.0 CR-0319 Cat: A (Rel-17)  
  
 Source: ZTE Corporation*

**Abstract:**

This CR is for correction to intra-band non-contiguous CA configurations

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100129 CR to TS 38.101-3 on correction to hanging paragraph in the spec (Rel-16)**

*Type: CR For: Agreement  
 38.101-3 v16.6.0 CR-0435 Cat: F (Rel-16)  
  
 Source: ZTE Corporation*

**Abstract:**

This CR is to correct the issues of hanging paragraphs in the spec

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100130 CR to TS 38.101-3 on correction to hanging paragraph in the spec (Rel-17)**

*Type: CR For: Agreement  
 38.101-3 v17.0.0 CR-0436 Cat: A (Rel-17)  
  
 Source: ZTE Corporation*

**Abstract:**

This CR is to correct the issues of hanging paragraphs in the spec

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100136 38.101 Void clean up R16**

*Type: CR For: Agreement  
 38.101-1 v16.6.0 CR-0593 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100137 38.101 Void clean up R17**

*Type: CR For: Agreement  
 38.101-1 v17.0.0 CR-0594 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100148 TS 38.101-3: Addition of missing lower order fallbacks R16**

*Type: CR For: Agreement  
 38.101-3 v16.6.0 CR-0437 Cat: B (Rel-16)  
  
 Source: Nokia, AT&T*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100149 TS 38.101-3: Addition of missing lower order fallbacks R17**

*Type: CR For: Agreement  
 38.101-1 v17.0.0 CR-0598 Cat: A (Rel-17)  
  
 Source: Nokia, AT&T*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100150 TR 37.716-21-11: Addition of missing lower order fallbacks**

*Type: CR For: Agreement  
 37.716-21-11 v16.0.0 CR-0001 Cat: B (Rel-16)  
  
 Source: Nokia, AT&T*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100163 CR\_CatF\_n47\_AMPR\_correction**

*Type: CR For: Agreement  
 38.101-1 v16.6.0 CR-0601 Cat: F (Rel-16)  
  
 Source: Qualcomm Incorporated*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100797 Discussion on requirement for LTE/NR spectrum sharing and dual connectivity (DSS EN-DC) in band 1/n1**

*Type: discussion For: Discussion  
 Source: China Telecom*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100846 CR for 38.101-1: Update of missing fallback NR-DC combinations Rel-16**

*Type: CR For: Agreement  
 38.101-1 v16.6.0 CR-0632 Cat: F (Rel-16)  
  
 Source: SoftBank Corp., ZTE Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100847 CR for 38.101-1: Update of missing fallback NR-DC combinations Rel-17**

*Type: CR For: Agreement  
 38.101-1 v17.0.0 CR-0633 Cat: A (Rel-17)  
  
 Source: SoftBank Corp., ZTE Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100876 CR for 38.101-1: Update of simultaneous Rx/Tx capability for some NR CA band combinations Rel-16**

*Type: CR For: Agreement  
 38.101-1 v16.6.0 CR-0634 Cat: F (Rel-16)  
  
 Source: SoftBank Corp.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100877 CR for 38.101-1: Update of simultaneous Rx/Tx capability for some NR CA band combinations Rel-17**

*Type: CR For: Agreement  
 38.101-1 v17.0.0 CR-0635 Cat: A (Rel-17)  
  
 Source: SoftBank Corp.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100878 CR for 38.101-3: Update of simultaneous Rx/Tx capability for some EN-DC band combinations Rel-16**

*Type: CR For: Agreement  
 38.101-3 v16.6.0 CR-0450 Cat: F (Rel-16)  
  
 Source: SoftBank Corp.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100879 CR for 38.101-3: Update of simultaneous Rx/Tx capability for some EN-DC band combinations Rel-17**

*Type: CR For: Agreement  
 38.101-3 v17.0.0 CR-0451 Cat: A (Rel-17)  
  
 Source: SoftBank Corp.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101106 CR for 38.101-1 Rel16 corrections on exception requirements on out-of-band blocking for inter-band CA**

*Type: CR For: Agreement  
 38.101-1 v16.6.0 CR-0637 Cat: F (Rel-16)  
  
 Source: Xiaomi*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101107 CR for 38.101-1 Rel17 corrections on exception requirements on out-of-band blocking for inter-band CA**

*Type: CR For: Agreement  
 38.101-1 v17.0.0 CR-0638 Cat: A (Rel-17)  
  
 Source: Xiaomi*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101175 n40-n41 Coexistence**

*Type: other For: Approval  
 Source: Qualcomm Incorporated*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101176 CR to TS 38.101-3 clarification on the single uplink allowance for DC\_3A\_n3A**

*Type: CR For: Agreement  
 38.101-3 v16.6.0 CR-0458 Cat: F (Rel-16)  
  
 Source: CHTTL*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101179 CR to TS 38.101-3 clarification on the single uplink allowance for DC\_3A\_n3A**

*Type: CR For: Agreement  
 38.101-3 v17.0.0 CR-0459 Cat: A (Rel-17)  
  
 Source: CHTTL*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101722 LS to RAN5 on SCell dropping behavior and verification thereof**

*Type: LS out For: Approval  
 to RAN5  
 Source: Ericsson*

**Abstract:**

LS to RAN5 on the verification of CA MOP and make proposals on the Scell dropping behaviour

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101723 Modification of Pcmax for UL CA with uplink Tx switching capability**

*Type: CR For: Agreement  
 38.101-1 v16.6.0 CR-0648 Cat: F (Rel-16)  
  
 Source: Ericsson*

**Abstract:**

CR to modify the Pcmax for CA to accommodate power boosting for switched TX

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101724 Correction to modified MPR behaviour**

*Type: CR For: Agreement  
 38.101-2 v16.6.0 CR-0328 Cat: F (Rel-16)  
  
 Source: Ericsson*

**Abstract:**

CR to correct modified MPR behaviour

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101725 Requirements Type 2 UEs supporting inter-band MRDC with overlapping DL**

*Type: CR For: Agreement  
 38.101-3 v16.6.0 CR-0463 Cat: F (Rel-16)  
  
 Source: Ericsson*

**Abstract:**

CR to add requirements for Type 2 UE and add applicability for Type 1

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101804 CR for 38.101-3 to add the missing Tib Rib for DC\_2-7-7-66\_n78/ DC\_2-7-66-66\_n78/ DC\_2-7-7-66-66\_n78 (Rel-16)**

*Type: CR For: Agreement  
 38.101-3 v16.6.0 CR-0467 Cat: F (Rel-16)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101805 CR for 38.101-3 to add the missing Tib Rib for DC\_2-7-7-66\_n78/ DC\_2-7-66-66\_n78/ DC\_2-7-7-66-66\_n78 (Rel-17)**

*Type: CR For: Agreement  
 38.101-3 v17.0.0 CR-0468 Cat: A (Rel-17)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101806 Discussion on spurious emission about UE co-existence between band n40 and n41**

*Type: other For: Approval  
 Source: Huawei, HiSilicon, CMCC*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101807 CR on spurious emission about UE co-existence between band n40 and n41(Rel-16)**

*Type: CR For: Agreement  
 38.101-1 v16.6.0 CR-0652 Cat: F (Rel-16)  
  
 Source: Huawei, HiSilicon, CMCC*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101808 CR on spurious emission about UE co-existence between band n40 and n41(Rel-17)**

*Type: CR For: Agreement  
 38.101-1 v17.0.0 CR-0653 Cat: A (Rel-17)  
  
 Source: Huawei, HiSilicon, CMCC*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101809 CR for 38.101-1 to introduce PC2 for n40 UL MIMO(Rel-16)**

*Type: CR For: Agreement  
 38.101-1 v16.6.0 CR-0654 Cat: F (Rel-16)  
  
 Source: Huawei, HiSilicon, Reliance Jio*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101810 CR for 38.101-1 to introduce PC2 for n40 UL MIMO(Rel-17)**

*Type: CR For: Agreement  
 38.101-1 v17.0.0 CR-0655 Cat: A (Rel-17)  
  
 Source: Huawei, HiSilicon, Reliance Jio*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101852 CR to TS 38.101-1 Operating bands for DC**

*Type: CR For: Agreement  
 38.101-1 v16.6.0 CR-0656 Cat: F (Rel-16)  
  
 Source: ZTE Wistron Telecom AB*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101939 CR for 38.101-1 to add missing spurious emissions for band n38 UE co-existence (Rel-16)**

*Type: CR For: Agreement  
 38.101-1 v16.6.0 CR-0659 Cat: F (Rel-16)  
  
 Source: Huawei, HiSilicon, DT*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101940 CR for 38.101-1 to add missing spurious emissions for band n38 UE co-existence (Rel-17)**

*Type: CR For: Agreement  
 38.101-1 v17.0.0 CR-0660 Cat: A (Rel-17)  
  
 Source: Huawei, HiSilicon, DT*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102146 CR for 38.101-3: Correction for CA\_n66A-n260**

*Type: CR For: Agreement  
 38.101-3 v16.6.0 CR-0477 Cat: F (Rel-16)  
  
 Source: T-Mobile USA*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102147 CR for 38.101-3: Correction for CA\_n66A-n260A**

*Type: CR For: Agreement  
 38.101-3 v17.0.0 CR-0478 Cat: A (Rel-17)  
  
 Source: T-Mobile USA*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102152 CR for 38.101-1: Add CA\_n25A-n41(2A)-n71A which was missing in the CR implementation**

*Type: CR For: Agreement  
 38.101-1 v16.6.0 CR-0668 Cat: F (Rel-16)  
  
 Source: T-Mobile USA*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102153 CR for 38.101-1: Add CA\_n25A-n41(2A)-n71A which was missing in the CR implementation**

*Type: CR For: Agreement  
 38.101-1 v17.0.0 CR-0669 Cat: A (Rel-17)  
  
 Source: T-Mobile USA*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102203 CR to TS38.101-1: Correction on configured transmitted power requirement**

*Type: CR For: Agreement  
 38.101-1 v16.6.0 CR-0678 Cat: F (Rel-16)  
  
 Source: ZTE Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102204 CR to TS38.101-1: Correction on configured transmitted power requirement**

*Type: CR For: Agreement  
 38.101-1 v17.0.0 CR-0679 Cat: A (Rel-17)  
  
 Source: ZTE Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102205 CR to TS38.101-3: Correction on duty cycle signalling terminology for PC2 inter-band ENDC**

*Type: CR For: Agreement  
 38.101-3 v16.6.0 CR-0479 Cat: F (Rel-16)  
  
 Source: ZTE Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102206 CR to TS38.101-3: Correction on duty cycle signalling terminology for PC2 inter-band ENDC**

*Type: CR For: Agreement  
 38.101-3 v17.0.0 CR-0480 Cat: A (Rel-17)  
  
 Source: ZTE Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102395 CR for TS 38.101-3 correction of intra-band contiguous EN-DC for DC\_(n)66\_R16**

*Type: CR For: Agreement  
 38.101-3 v16.6.0 CR-0483 Cat: F (Rel-16)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102396 CR for TS 38.101-3 correction of intra-band contiguous EN-DC for DC\_(n)66\_R17**

*Type: CR For: Agreement  
 38.101-3 v17.0.0 CR-0484 Cat: A (Rel-17)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102402 CR for TS 38.101-3: Adding delta TIB and RIB requirement for DC\_2-7-7-66\_n78 (R16)**

*Type: CR For: Agreement  
 38.101-3 v16.6.0 CR-0485 Cat: F (Rel-16)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102403 draft CR for TS 38.101-3: Adding delta TIB and RIB requirement for DC\_2-7-7-66\_n78 (R17)**

*Type: CR For: Agreement  
 38.101-3 v17.0.0 CR-0486 Cat: A (Rel-17)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102557 CR for n47 AMPR - Cat A**

*Type: CR For: Agreement  
 38.101-1 v17.0.0 CR-0694 Cat: A (Rel-17)  
  
 Source: Qualcomm Incorporated*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102562 CR to 38.101-2: correction on UL MIMO**

*Type: CR For: Agreement  
 38.101-2 v16.6.0 CR-0333 Cat: F (Rel-16)  
  
 Source: Google Inc.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102582 CR to 38.101-2: correction on UL MIMO**

*Type: CR For: Agreement  
 38.101-2 v17.0.0 CR-0334 Cat: A (Rel-17)  
  
 Source: Google Inc.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102602 CR for TS 38.101-1: Cleanup for spurious emissions for UE co-existence table**

*Type: CR For: Agreement  
 38.101-1 v16.6.0 CR-0702 Cat: F (Rel-16)  
  
 Source: Apple*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102603 CR for TS 38.101-1: Cleanup for spurious emissions for UE co-existence table**

*Type: CR For: Agreement  
 38.101-1 v17.0.0 CR-0703 Cat: A (Rel-17)  
  
 Source: Apple*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102685 CR on TS 38.101-1 NS\_49**

*Type: CR For: Agreement  
 38.101-1 v16.6.0 CR-0710 Cat: F (Rel-16)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102816 CR on TS 38.101-1 NS\_49**

*Type: CR For: Agreement  
 38.101-1 v17.0.0 CR-0713 Cat: A (Rel-17)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102903 CR on split band duplexer exceptions to non-default TX-RX separation**

*Type: CR For: Agreement  
 38.101-1 v15.12.0 CR-0714 Cat: F (Rel-15)  
  
 Source: Qualcomm Incorporated*

**Abstract:**

Proposes that only default TX-RX separation with the deviation of ?FTX-RX = | (BWDL – BWUL)/2 | for asymmetric BW case is permitted for n28 and n74

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102904 Non-default RX-TX Frequency Separation Values and split band duplexers**

*Type: other For: Approval  
 38.101-1 v..  
 Source: Qualcomm Incorporated*

**Abstract:**

Proposes to add a note to table 5.4.4-1: For bands n28 and n74 UE that may support only the default TX-RX frequency separation value with the deviation of ?FTX-RX = | (BWDL – BWUL)/2 | for asymmetric BW case.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

#### 7.19.4 BS RF [WI code or TEI16]

**R4-2101180 CR to TR 38.820: Correction of antenna model in subclause 7.2.4**

*Type: CR For: Agreement  
 38.820 v16.0.0 CR-0002 Cat: F (Rel-16)  
  
 Source: Ericsson*

**Abstract:**

The correction in this CR align the parameter defintion with gives equations

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102563 CR to TS 37.105: Introduction of new BS capability set for NR+EUTRA+UTRA, Rel-16**

*Type: CR For: Agreement  
 37.105 v16.6.0 CR-0222 Cat: F (Rel-16)  
  
 Source: Huawei, China Unicom*

**Abstract:**

Referring to the Rel-16 WI on MSR\_GSM\_UTRA\_LTE\_NR, the MSR BS specification was extended with additional CS configuration (e.g. UTRA+EUTRA+NR).

WID in RP-190642 captured that only MSR BS specifications are to be affected, i.e. TS 37.104, TS 37.141. Relat

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102564 CR to TS 37.105: Introduction of new BS capability set for NR+EUTRA+UTRA, Rel-17**

*Type: CR For: Agreement  
 37.105 v17.0.0 CR-0223 Cat: A (Rel-17)  
  
 Source: Huawei, China Unicom*

**Abstract:**

Referring to the Rel-16 WI on MSR\_GSM\_UTRA\_LTE\_NR, the MSR BS specification was extended with additional CS configuration (e.g. UTRA+EUTRA+NR).

WID in RP-190642 captured that only MSR BS specifications are to be affected, i.e. TS 37.104, TS 37.141. Relat

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102565 CR to TS 37.145-1: Introduction of new BS capability set for NR+EUTRA+UTRA, Rel-16**

*Type: CR For: Agreement  
 37.145-1 v16.5.0 CR-0246 Cat: F (Rel-16)  
  
 Source: Huawei, China Unicom*

**Abstract:**

Referring to the Rel-16 WI on MSR\_GSM\_UTRA\_LTE\_NR, the MSR BS specification was extended with additional CS configuration (e.g. UTRA+EUTRA+NR).

WID in RP-190642 captured that only MSR BS specifications are to be affected, i.e. TS 37.104, TS 37.141. Realt

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102566 CR to TS 37.145-1: Introduction of new BS capability set for NR+EUTRA+UTRA, Rel-17**

*Type: CR For: Agreement  
 37.145-1 v17.0.0 CR-0247 Cat: A (Rel-17)  
  
 Source: Huawei, China Unicom*

**Abstract:**

Referring to the Rel-16 WI on MSR\_GSM\_UTRA\_LTE\_NR, the MSR BS specification was extended with additional CS configuration (e.g. UTRA+EUTRA+NR).

WID in RP-190642 captured that only MSR BS specifications are to be affected, i.e. TS 37.104, TS 37.141. Realt

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102567 CR to TS 37.145-2: Introduction of new BS capability set for NR+EUTRA+UTRA, Rel-16**

*Type: CR For: Agreement  
 37.145-2 v16.6.0 CR-0286 Cat: F (Rel-16)  
  
 Source: Huawei, China Unicom*

**Abstract:**

Referring to the Rel-16 WI on MSR\_GSM\_UTRA\_LTE\_NR, the MSR BS specification was extended with additional CS configuration (e.g. UTRA+EUTRA+NR).

WID in RP-190642 captured that only MSR BS specifications are to be affected, i.e. TS 37.104, TS 37.141. Realt

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102568 CR to TS 37.145-2: Introduction of new BS capability set for NR+EUTRA+UTRA, Rel-17**

*Type: CR For: Agreement  
 37.145-2 v17.0.0 CR-0287 Cat: A (Rel-17)  
  
 Source: Huawei, China Unicom*

**Abstract:**

Referring to the Rel-16 WI on MSR\_GSM\_UTRA\_LTE\_NR, the MSR BS specification was extended with additional CS configuration (e.g. UTRA+EUTRA+NR).

WID in RP-190642 captured that only MSR BS specifications are to be affected, i.e. TS 37.104, TS 37.141. Realt

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

#### 7.19.5 RRM [WI code or TEI16]

**R4-2100117 [CR] Core maintenance for 38.133**

*Type: CR For: Agreement  
 38.133 v16.6.0 CR-1436 Cat: F (Rel-16)  
  
 Source: ZTE Corporation*

**Abstract:**

This CR tends to fix some errors existing in the current specification TS 38.133.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100118 [CR] Core maintenance for 38.133 (Cat A)**

*Type: CR For: Agreement  
 38.133 v17.0.0 CR-1437 Cat: A (Rel-17)  
  
 Source: ZTE Corporation*

**Abstract:**

This is a cat A CR for Release 17.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100185 On R16 IDLE and INACTIVE RRM requirement with SMTC2-LP**

*Type: discussion For: Discussion  
 38.133 v..  
 Source: Apple*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100186 CR on IDLE/INACTIVE RRM requirement with SMTC2-LP R16**

*Type: CR For: Agreement  
 38.133 v16.6.0 CR-1449 Cat: B (Rel-16)  
  
 Source: Apple*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100187 CR on IDLE/INACTIVE RRM requirement with SMTC2-LP R17**

*Type: CR For: Agreement  
 38.133 v17.0.0 CR-1450 Cat: A (Rel-17)  
  
 Source: Apple*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100234 Interruption requirements maintenance in NR-DC (R16)**

*Type: CR For: Agreement  
 38.133 v16.6.0 CR-1464 Cat: F (Rel-16)  
  
 Source: Apple*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100235 Interruption requirements maintenance in NR-DC (R17)**

*Type: CR For: Agreement  
 38.133 v16.6.0 CR-1465 Cat: A (Rel-16)  
  
 Source: Apple*

**Discussion:**

[report of discussion]

**Decision:** The document was **withdrawn**.

**R4-2101011 Interruption requirements maintenance in NR-DC (R17)**

*Type: CR For: Agreement  
 38.133 v17.0.0 CR-1542 Cat: A (Rel-17)  
  
 Source: Apple*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101075 CR for measurement period requirements correction**

*Type: CR For: Agreement  
 38.133 v16.6.0 CR-1555 Cat: F (Rel-16)  
  
 Source: NEC*

**Abstract:**

Measurement period requirements are corrected

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101076 CR for measurement period requirements correction**

*Type: CR For: Agreement  
 38.133 v17.0.0 CR-1556 Cat: A (Rel-17)  
  
 Source: NEC*

**Abstract:**

Measurement period requirements are corrected

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101530 Maintenance CR on interruption at EUTRA SRS carrier switching in 38.133**

*Type: CR For: Agreement  
 38.133 v16.6.0 CR-1609 Cat: F (Rel-16)  
  
 Source: OPPO*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101531 Maintenance CR on SCell activation delay requirement in TS38.133**

*Type: CR For: Agreement  
 38.133 v16.6.0 CR-1610 Cat: F (Rel-16)  
  
 Source: OPPO*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101680 Discussion on MRTD/MTTD requirements for FR1 intra-band CA/DC**

*Type: discussion For: Discussion  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101681 CR on MRTD/MTTD requirements for FR1 intra-band CA/DC R16**

*Type: CR For: Agreement  
 38.133 v16.6.0 CR-1644 Cat: F (Rel-16)  
  
 Source: Huawei, HiSilicon, LG Uplus, SoftBank Corp.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101682 CR on MRTD/MTTD requirements for FR1 intra-band CA/DC R17**

*Type: CR For: Agreement  
 38.133 v17.0.0 CR-1645 Cat: A (Rel-17)  
  
 Source: Huawei, HiSilicon, LG Uplus, SoftBank Corp.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101860 MRTD and MTTD in non-contiguous CA in FR1**

*Type: other For: Approval  
 Source: Ericsson*

**Abstract:**

MRTD and MTTD in non-contiguous CA in FR1. This is based on an issue initiated by Huawei to allow non-colocated NCCA deployments.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101861 MRTD and MTTD in non-contiguous CA in FR1**

*Type: CR For: Agreement  
 38.133 v16.6.0 CR-1686 Cat: F (Rel-16)  
  
 Source: Ericsson*

**Abstract:**

MRTD and MTTD in non-contiguous CA in FR1. This is based on an issue initiated by Huawei to allow non-colocated NCCA deployments.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101862 MRTD and MTTD in non-contiguous CA in FR1**

*Type: CR For: Agreement  
 38.133 v17.0.0 CR-1687 Cat: A (Rel-17)  
  
 Source: Ericsson*

**Abstract:**

MRTD and MTTD in non-contiguous CA in FR1. This is based on an issue initiated by Huawei to allow non-colocated NCCA deployments.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102250 Correction of band group notation for FR2**

*Type: CR For: Agreement  
 38.133 v16.6.0 CR-1696 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102251 Correction of band group notation for FR2**

*Type: CR For: Agreement  
 38.133 v17.0.0 CR-1697 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102889 Cat-F CR to addition of TRS Configurations in Rel-16 Test Case**

*Type: CR For: Agreement  
 38.133 v16.6.0 CR-1787 Cat: F (Rel-16)  
  
 Source: Qualcomm Incorporated*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102890 Cat-A CR to addition of TRS Configurations in Rel-17 Test Case**

*Type: CR For: Agreement  
 38.133 v17.0.0 CR-1788 Cat: A (Rel-17)  
  
 Source: Qualcomm Incorporated*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

#### 7.19.6 Demodulation and CSI [WI code or TEI16]

#### 7.19.7 NR MIMO OTA test methods (38.827) [FS\_NR\_MIMO\_OTA\_test]

**R4-2101821 Uplink Power Control for NR MIMO OTA test**

*Type: CR For: Agreement  
 38.827 v16.1.0 CR-0008 Cat: F (Rel-16)  
  
 Source: vivo*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101993 Minimum number of slots for FR1 MIMO OTA testing**

*Type: other For: Endorsement  
 Source: CAICT,vivo,OPPO,Huawei,HiSilicon,xiaomi,Samsung*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102081 CR to TR38.827 Number of Slots for FR1 MIMO OTA test**

*Type: CR For: Agreement  
 38.827 v16.1.0 CR-0009 Cat: F (Rel-16)  
  
 Source: CAICT,vivo,OPPO,Huawei,HiSilicon,xiaomi,Samsung*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102614 On Remaining Channel Model Topics**

*Type: other For: Approval  
 Source: Keysight Technologies UK Ltd*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102615 CR on Channel Model Topics**

*Type: CR For: Agreement  
 38.827 v16.1.0 CR-0010 Cat: F (Rel-16)  
  
 Source: Keysight Technologies UK Ltd*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102817 CR to TR 38.827 on channel model rotations**

*Type: CR For: Agreement  
 38.827 v16.1.0 CR-0011 Cat: F (Rel-16)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102819 CR to 38.827on base station beamforming configuration**

*Type: CR For: Agreement  
 38.827 v16.1.0 CR-0012 Cat: F (Rel-16)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

## 8 Rel-16 UE feature list

**R4-2101155 Discussion on UE feature list**

*Type: discussion For: Discussion  
 Source: MediaTek inc.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101659 Discussion on per-FR gap capability**

*Type: discussion For: Discussion  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102891 UE feature on Simultaneous dormant BWP switching**

*Type: discussion For: Discussion  
 38.306 v..  
 Source: Qualcomm Incorporated*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

## 9 Rel-17 spectrum related Work Items for NR

### 9.1 NR intra band Carrier Aggregation for xCC DL/yCC UL including contiguous and non-contiguous spectrum (x>=y) [NR\_CA\_R17\_intra]

#### 9.1.1 Rapporteur Input (WID/TR/CR) [NR\_CA\_R17\_intra-Core /Perf]

**R4-2101883 Revised WID NR Intra-band Rel-17**

*Type: WID revised For: Endorsement  
 Source: Ericsson*

**Abstract:**

Revised WID NR Intra-band Rel-17

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101886 CR introduction completed band combinations Rel-17 NR Intra-band -> 38.101-1**

*Type: CR For: Agreement  
 38.101-1 v17.0.0 CR-0657 Cat: B (Rel-17)  
  
 Source: Ericsson*

**Abstract:**

CR introduction completed band combinations Rel-17 NR Intra-band -> 38.101-1

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101887 CR introduction completed band combinations Rel-17 NR Intra-band -> 38.101-2**

*Type: CR For: Agreement  
 38.101-2 v17.0.0 CR-0332 Cat: B (Rel-17)  
  
 Source: Ericsson*

**Abstract:**

CR introduction completed band combinations Rel-17 NR Intra-band -> 38.101-2

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101891 TR 38.717-01-01 v0.3.0 Rel-17 NR Intra-band**

*Type: draft TR For: Agreement  
 38.717-01-01 v0.2.0  
 Source: Ericsson*

**Abstract:**

TR 38.717-01-01 v0.3.0 Rel-17 NR Intra-band

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

#### 9.1.2 UE RF for FR1 [NR\_CA\_R17\_intra-Core]

**R4-2100152 Draft CR addition of BCS2 for CA\_71B**

*Type: draftCR For: Endorsement  
 38.101-1 v17.0.0  
 Source: Nokia, T-Mobile USA*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100707 Discussion on DL CA\_n77(3A) support**

*Type: discussion For: Discussion  
 Source: SoftBank Corp.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100708 TP for TR 38.717-01-01: CA\_3DL\_n77(3A)\_1UL\_n77A**

*Type: pCR For: Approval  
 38.717-01-01 v0.1.0  
 Source: SoftBank Corp.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102319 Rel-17 CR 38.101-1 for improvements Intra-band tables**

*Type: CR For: Agreement  
 38.101-1 v17.0.0 CR-0680 Cat: B (Rel-17)  
  
 Source: Ericsson*

**Abstract:**

Rel-17 CR 38.101-1 for improvements Intra-band tables

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

#### 9.1.3 UE RF for FR2 [NR\_CA\_R17\_intra-Core]

### 9.2 NR inter-band Carrier Aggregation/Dual Connectivity for 2 bands DL with x bands UL (x=1, 2) [NR\_CADC\_R17\_2BDL\_xBUL]

#### 9.2.1 Rapporteur Input (WID/TR/CR) [NR\_CADC\_R17\_2BDL\_xBUL-Core/Perf]

**R4-2102210 TP for TR38.717-02-01\_Removal of the sub-clauses under clause 7**

*Type: pCR For: Approval  
 38.717-02-01 v0.2.0  
 Source: ZTE Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102222 Revised WID on Rel-17 NR Inter-band CA\_DC xUL\_2DL (x=1,2)**

*Type: WID revised For: Approval  
 Source: ZTE Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102223 CR to reflect the completed NR inter band CA DC combinations for 2 bands DL with up to 2 bands UL into TS 38.101-1**

*Type: draftCR For: Endorsement  
 38.101-1 v17.0.0  
 Source: ZTE Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102224 CR to reflect the completed NR inter band CA DC combinations for 2 bands DL with up to 2 bands UL into TS 38.101-3**

*Type: draftCR For: Endorsement  
 38.101-3 v17.0.0  
 Source: ZTE Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102304 TR 38.717-02-01 v0.3.0**

*Type: draft TR For: Agreement  
 38.717-02-01 v0.3.0  
 Source: ZTE Wistron Telecom AB*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

#### 9.2.2 NR inter band CA without any FR2 band(s) [NR\_CADC\_R17\_2BDL\_xBUL-Core]

**R4-2100091 Draft CR on CA\_n1-n3, CA\_n1-n78, CA\_n3-n78**

*Type: draftCR For: Endorsement  
 38.101-1 v17.0.0  
 Source: China Unicom*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100155 Draft CR addition of CA\_n41-n71 configurations**

*Type: draftCR For: Endorsement  
 38.101-1 v17.0.0  
 Source: Nokia, T-Mobile USA*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100156 Draft CR addition of CA\_n25A-n41(2A)-n71A**

*Type: draftCR For: Endorsement  
 38.101-1 v17.0.0  
 Source: Nokia, T-Mobile USA*

**Discussion:**

[report of discussion]

**Decision:** The document was **withdrawn**.

**R4-2100259 draftCR for Rel-17 NR inter band CA DC combinations for 2 bands DL with up to 2 bands UL within FR1**

*Type: draftCR For: Endorsement  
 38.101-1 v17.0.0  
 Source: Verizon Denmark*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100694 Draft CR for TS 38.101-1: Support of n77(2A) for DC\_n28-n77**

*Type: draftCR For: Endorsement  
 38.101-1 v17.0.0  
 Source: SoftBank Corp.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100743 Introduction of new BCS to CA\_n5A-n66A and CA\_n5A-78A**

*Type: draftCR For: Endorsement  
 38.101-1 v17.0.0  
 Source: Nokia, Nokia Shanghai Bell*

**Abstract:**

CA\_n5A-n66A BCS1 and CA\_n5A-78A BCS1 are added.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100942 Draft CR for 38.101-1 to introduce CA\_n3A-n78(2A) and CA\_n41-n78(2A)**

*Type: draftCR For: Endorsement  
 38.101-1 v17.0.0  
 Source: Samsung, KDDI*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100943 TP for TR 38.717-02-01: CA\_n3-n18**

*Type: pCR For: Approval  
 38.717-02-01 v0.2.0  
 Source: Samsung, KDDI*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100944 TP for TR 38.717-02-01: CA\_n18-n41**

*Type: pCR For: Approval  
 38.717-02-01 v0.2.0  
 Source: Samsung, KDDI*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100945 TP for TR 38.717-02-01: CA\_n41-n77**

*Type: pCR For: Approval  
 38.717-02-01 v0.2.0  
 Source: Samsung, KDDI*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100947 TP for TR 38.717-02-01: DC\_n3-n41**

*Type: pCR For: Approval  
 38.717-02-01 v0.2.0  
 Source: Samsung, KDDI*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100948 TP for TR 38.717-02-01: DC\_n28-n41**

*Type: pCR For: Approval  
 38.717-02-01 v0.2.0  
 Source: Samsung, KDDI*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100949 TP for TR 38.717-02-01: DC\_n41-n77**

*Type: pCR For: Approval  
 38.717-02-01 v0.2.0  
 Source: Samsung, KDDI*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100950 TP for TR 38.717-02-01: DC\_n41-n78**

*Type: pCR For: Approval  
 38.717-02-01 v0.2.0  
 Source: Samsung, KDDI*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100973 TP for TR 38.717-02-01: CA\_n25-n29**

*Type: pCR For: Approval  
 38.717-02-01 v0.2.0  
 Source: Samsung, TELUS, Bell mobility*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100974 TP for TR 38.717-02-01: CA\_n25-n71**

*Type: pCR For: Approval  
 38.717-02-01 v0.2.0  
 Source: Samsung, TELUS, Bell mobility*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100975 TP for TR 38.717-02-01: CA\_n25-n77**

*Type: pCR For: Approval  
 38.717-02-01 v0.2.0  
 Source: Samsung, TELUS, Bell mobility*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100976 TP for TR 38.717-02-01: CA\_n71-n77**

*Type: pCR For: Approval  
 38.717-02-01 v0.2.0  
 Source: Samsung, TELUS, Bell mobility*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100977 TP for TR 38.717-02-01: CA\_n13-n25**

*Type: pCR For: Approval  
 38.717-02-01 v0.2.0  
 Source: Samsung, TELUS, Bell mobility*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100978 TP for TR 38.717-02-01: CA\_n13-n66**

*Type: pCR For: Approval  
 38.717-02-01 v0.2.0  
 Source: Samsung, TELUS, Bell mobility*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101512 DraftCR for 38.101-1 to add BCS1 for CA\_n41A-n66A and BCS0 for CA\_n41A-n66(2A)**

*Type: draftCR For: Endorsement  
 38.101-1 v17.0.0  
 Source: Huawei, HiSilicon, Bell Mobility, Telus*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101599 TP for TR 38.717-02-01: CA\_n8A-n20A**

*Type: pCR For: Approval  
 38.717-02-01 v0.2.0  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101600 TP for TR 38.717-02-01: CA\_n3A-n39A**

*Type: pCR For: Approval  
 38.717-02-01 v0.2.0  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101601 DraftCR for 38.101-1 to add BCS1 for CA\_n1A-n7A**

*Type: draftCR For: Endorsement  
 38.101-1 v17.0.0  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101602 DraftCR for 38.101-1 to add BCS1 for CA\_n1A-n3A**

*Type: draftCR For: Endorsement  
 38.101-1 v17.0.0  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101894 draft CR for CA\_n46-n48 and DC\_n46-n48 configurations**

*Type: draftCR For: Endorsement  
 38.101-1 v17.0.0  
 Source: Ericsson, Charter Communication*

**Abstract:**

draft CR for CA\_n46-n48 and DC\_n46-n48 configurations

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102211 draft CR to TS38.101-3: Adding CA\_n39A-n258A**

*Type: draftCR For: Endorsement  
 38.101-3 v17.0.0  
 Source: ZTE Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102212 TP for TR 38.716-02-00:CA\_n34A-n40A**

*Type: pCR For: Approval  
 38.717-02-01 v0.2.0  
 Source: ZTE Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102314 TP for TR 38.717-02-01 to include CA\_n7-n77**

*Type: pCR For: Approval  
 38.717-02-01 v0.2.0  
 Source: Ericsson, Bell Mobility*

**Abstract:**

TP for TR 38.717-02-01 to include CA\_n7-n77

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102315 draft CR to include CA\_n7-n78, CA\_n25-n41, CA\_n41-n77 BCS's**

*Type: pCR For: Approval  
 38.717-02-01 v0.2.0  
 Source: Ericsson, Bell Mobility*

**Abstract:**

draft CR to include CA\_n7-n78, CA\_n25-n41, CA\_n41-n77 BCS's

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102320 Rel-17 CR 38.101-1 for corrections NR CA 2, 3 and 4 band configuration tables**

*Type: CR For: Agreement  
 38.101-1 v17.0.0 CR-0681 Cat: F (Rel-17)  
  
 Source: Ericsson*

**Abstract:**

Rel-17 CR 38.101-1 for corrections NR CA 2, 3 and 4 band configuration tables

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

#### 9.2.3 NR inter band CA with at least one FR2 band [NR\_CADC\_R17\_2BDL\_xBUL-Core]

**R4-2100092 Draft CR on CA\_n1-n258, CA\_n3-n258, CA\_n78-n258**

*Type: draftCR For: Endorsement  
 38.101-3 v17.0.0  
 Source: China Unicom*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100154 Draft CR addition of CA\_n77-n258 configurations**

*Type: draftCR For: Endorsement  
 38.101-1 v17.0.0  
 Source: Nokia, T-Mobile USA*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100263 draftCR for Rel-17 NR inter-band CA DC combination for 2 bands DL with up to 2 bands UL between FR1 and FR2**

*Type: draftCR For: Endorsement  
 38.101-3 v17.0.0  
 Source: Verizon Denmark*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100350 Draft CR for 38.101-3 to add n78-n257 inter-band CA configurations**

*Type: draftCR For: Endorsement  
 38.101-3 v17.0.0  
 Source: SK Telecom*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100351 Draft CR for 38.101-3 to add n78C in DC\_n78-n257**

*Type: draftCR For: Endorsement  
 38.101-3 v17.0.0  
 Source: SK Telecom*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100946 TP for TR 38.717-02-01: CA\_n41-n257**

*Type: pCR For: Approval  
 38.717-02-01 v0.2.0  
 Source: Samsung, KDDI*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100951 TP for TR 38.717-02-01: DC\_n41-n257**

*Type: pCR For: Approval  
 38.717-02-01 v0.2.0  
 Source: Samsung, KDDI*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

### 9.3 DC of 1 LTE band and 1 NR band [DC\_R17\_1BLTE\_1BNR\_2DL2UL]

#### 9.3.1 Rapporteur Input (WID/TR/CR) [DC\_R17\_1BLTE\_1BNR\_2DL2UL-Core/Perf]

**R4-2101097 TR 37.717-11-11 v0.3.0 Rel-17 Dual Connectivity (DC) of 1 LTE band (1DL/1UL) and 1 NR band (1DL/1UL)**

*Type: draft TR For: Agreement  
 37.717-11-11 v0.1.0  
 Source: CHTTL*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101098 Revised WID: Rel-17 Dual Connectivity (DC) of 1 band LTE (1DL/1UL) and 1 NR band (1DL/1UL)**

*Type: WID revised For: Approval  
 Source: CHTTL*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101099 Big CR for Rel-17 Dual Connectivity (DC) of 1 LTE band (1DL/1UL) and 1 NR band (1DL/1UL)**

*Type: CR For: Agreement  
 38.101-3 v17.0.0 CR-0455 Cat: B (Rel-17)  
  
 Source: CHTTL*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

#### 9.3.2 EN-DC without FR2 band [DC\_R17\_1BLTE\_1BNR\_2DL2UL-Core]

**R4-2100258 Requirement of band 46 reference sensitivity measurement for NR EN-DC band combinations**

*Type: discussion For: Decision  
 Source: Verizon Denmark*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100260 draftCR for Rel-17Dual Connectivity of 1LTE band (1DL/1UL) and 1NR band (1DL/1UL) within FR1**

*Type: draftCR For: Endorsement  
 38.101-3 v17.0.0  
 Source: Verizon Denmark*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100261 draftCR for Rel-16 Dual Connectivity of 1LTE band (1DL/1UL) and 1NR band (1DL/1UL) with FR1**

*Type: draftCR For: Endorsement  
 38.101-3 v16.6.0  
 Source: Verizon Denmark*

**Discussion:**

[report of discussion]

**Decision:** The document was **withdrawn**.

**R4-2100301 Draft CR for 38.101-3 to introduce new inter-band EN-DC (1NR band +1LTE band) within FR1 DC\_40A\_n78(2A)/DC\_40C\_n78(2A)**

*Type: draftCR For: Endorsement  
 38.101-3 v17.0.0  
 Source: Huawei,HiSilicon*

**Abstract:**

3HK's new band combination

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100302 Draft CR for 38.101-3 to introduce new inter-band EN-DC (1NR band +1LTE band) within FR1 DC\_8A\_n78(2A)**

*Type: draftCR For: Endorsement  
 38.101-3 v17.0.0  
 Source: Huawei,HiSilicon*

**Abstract:**

3HK's new band combination

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100352 TP for DC\_21\_n28 for TR 37.717-11-11**

*Type: pCR For: Approval  
 37.717-11-11 v0.1.0  
 Source: NTT DOCOMO INC.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100732 TP to TR 37.717-11-11 DC\_25\_n77**

*Type: other For: Approval  
 37.717-11-11 v..  
 Source: Nokia, Nokia Shanghai Bell*

**Abstract:**

In this contribution, a text proposal to complete 2DL/2UL EN-DC configurations, DC\_25A\_n77A and DC\_25A-25A\_n77A, is provided.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100733 TP to TR 37.717-11-11 DC\_25\_n78**

*Type: other For: Approval  
 37.717-11-11 v..  
 Source: Nokia, Nokia Shanghai Bell*

**Abstract:**

In this contribution, a text proposal to complete 2DL/2UL EN-DC configurations, DC\_25A\_n78A and DC\_25A-25A\_n78A, is provided.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101224 TP for DC\_21\_n28 for TR 37.717-11-11**

*Type: pCR For: Approval  
 37.717-11-11 v0.1.0  
 Source: NTT DOCOMO INC.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101584 TP for TR 37.717-11-11: DC\_12\_n71**

*Type: pCR For: Approval  
 37.717-11-11 v0.2.0  
 Source: Huawei, HiSilicon, Ericsson, US Cellular*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101909 TP for TR 37.717-11-11 to include 71A\_n41A**

*Type: pCR For: Approval  
 37.717-11-11 v0.2.0  
 Source: Ericsson, Rogers*

**Abstract:**

TP for TR 37.717-11-11 to include 71A\_n41A

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101910 TP for TR 37.717-11-11 to include 7A\_n2A**

*Type: pCR For: Approval  
 37.717-11-11 v0.2.0  
 Source: Ericsson, Rogers*

**Abstract:**

TP for TR 37.717-11-11 to include 7A\_n2A

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101911 TP for TR 37.717-11-11 to include 71A\_n2A**

*Type: pCR For: Approval  
 37.717-11-11 v0.2.0  
 Source: Ericsson, Rogers*

**Abstract:**

TP for TR 37.717-11-11 to include 71A\_n2A

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102045 draft CR 38.101-3 adding CA\_n7B UL configurations for 1 LTE + 1 NR**

*Type: draftCR For: Endorsement  
 38.101-3 v17.0.0  
 Source: Ericsson*

**Abstract:**

draft CR 38.101-3 adding CA\_n7B UL configurations for 1 LTE + 1 NR

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102213 draft CR to TS38.101-3: Adding DC\_40A\_n41C and DC\_40A\_n41(2A)**

*Type: draftCR For: Endorsement  
 38.101-3 v17.0.0  
 Source: ZTE Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102826 CR for correction of Rel-16 Dual Connectivity of 1LTE band (1DL/1UL) and 1NR band (1DL/1UL) with FR1**

*Type: CR For: Agreement  
 38.101-3 v16.6.0 CR-0495 Cat: F (Rel-16)  
  
 Source: Verizon Denmark*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

#### 9.3.3 EN-DC with FR2 band [DC\_R17\_1BLTE\_1BNR\_2DL2UL-Core]

**R4-2100262 draftCR for Rel-17 Dual Connectivity of 1LTE band (1DL/1UL) and 1NR band (1DL/1UL) including FR2**

*Type: draftCR For: Endorsement  
 38.101-3 v17.0.0  
 Source: Verizon Denmark*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101896 draft CR 38.101-3 to include 2\_n258, 5\_n258, 12\_n258, 66\_n258 configurations**

*Type: draftCR For: Endorsement  
 38.101-3 v17.0.0  
 Source: Ericsson, US Cellular*

**Abstract:**

draft CR 38.101-3 to include 2\_n258, 5\_n258, 12\_n258, 66\_n258 configurations

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

### 9.4 DC of 2 LTE band and 1 NR band [DC\_R17\_2BLTE\_1BNR\_3DL2UL]

#### 9.4.1 Rapporteur Input (WID/TR/CR) [DC\_R17\_2BLTE\_1BNR\_3DL2UL-Core/Perf]

**R4-2101508 TR 37.717-21-11 V0.2.0 for DC of 2 LTE band and 1 NR band**

*Type: draft TR For: Agreement  
 37.717-21-11 v0.3.0  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101509 Revised WID: Dual Connectivity (DC) of 2 bands LTE inter-band CA (2DL/1UL) and 1 NR band (1DL/1UL)**

*Type: WID revised For: Endorsement  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101510 CR on introduction of completed EN-DC of 2 bands LTE and 1 band NR from RAN4#96e and RAN4#97e into TS 38.101-3**

*Type: CR For: Agreement  
 38.101-3 v17.0.0 CR-0460 Cat: B (Rel-17)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

#### 9.4.2 EN-DC without FR2 band [DC\_R17\_2BLTE\_1BNR\_3DL2UL-Core]

**R4-2100145 TP to TR 37.717-21-11: DC\_20-40\_n78**

*Type: pCR For: Approval  
 37.717-21-11 v0.2.0  
 Source: Nokia, Telefonica*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100299 Discussion of MSD for 3DL2UL DC\_1-21\_n28 due to UL IMD3 issue**

*Type: pCR For: Approval  
 37.717-21-11 v0.1.0  
 Source: Mediatek India Technology Pvt.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100303 Draft CR for 38.101-3 to introduce new inter-band EN-DC (1NR band +2LTE band) within FR1 DC\_1A-40A\_n78(2A)/DC\_1A-40C\_n78(2A)**

*Type: draftCR For: Endorsement  
 38.101-3 v17.0.0  
 Source: Huawei,HiSilicon*

**Abstract:**

3HK's new band combination

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100304 Draft CR for 38.101-3 to introduce new inter-band EN-DC (1NR band +2LTE band) within FR1 DC\_1A-8A\_n78(2A)**

*Type: draftCR For: Endorsement  
 38.101-3 v17.0.0  
 Source: Huawei,HiSilicon*

**Abstract:**

3HK's new band combination

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100305 Draft CR for 38.101-3 to introduce new inter-band EN-DC (1NR band +2LTE band) within FR1 DC\_3A-40A\_n78(2A)/DC\_3A-40C\_n78(2A)**

*Type: draftCR For: Endorsement  
 38.101-3 v17.0.0  
 Source: Huawei,HiSilicon*

**Abstract:**

3HK's new band combination

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100306 Draft CR for 38.101-3 to introduce new inter-band EN-DC (1NR band +2LTE band) within FR1 DC\_3A-8A\_n78(2A)**

*Type: draftCR For: Endorsement  
 38.101-3 v17.0.0  
 Source: Huawei,HiSilicon*

**Abstract:**

3HK's new band combination

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100307 Draft CR for 38.101-3 to introduce new inter-band EN-DC (1NR band +2LTE band) within FR1 DC\_7A-40A\_n78(2A)/DC\_7A-40C\_n78(2A)**

*Type: draftCR For: Endorsement  
 38.101-3 v17.0.0  
 Source: Huawei,HiSilicon*

**Abstract:**

3HK's new band combination

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100308 Draft CR for 38.101-3 to introduce new inter-band EN-DC (1NR band +2LTE band) within FR1 DC\_7A-8A\_n78(2A)**

*Type: draftCR For: Endorsement  
 38.101-3 v17.0.0  
 Source: Huawei,HiSilicon*

**Abstract:**

3HK's new band combination

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100309 Draft CR for 38.101-3 to introduce new inter-band EN-DC (1NR band +2LTE band) within FR1 DC\_8A-40A\_n78(2A)/DC\_8A-40C\_n78(2A)**

*Type: draftCR For: Endorsement  
 38.101-3 v17.0.0  
 Source: Huawei,HiSilicon*

**Abstract:**

3HK's new band combination

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100345 TP for TR 37.717-21-11: DC\_3-18\_n41**

*Type: pCR For: Approval  
 37.717-21-11 v0.1.0  
 Source: KDDI Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100508 TP for DC\_1-21\_n28 for TR 37.717-21-11**

*Type: pCR For: Approval  
 37.717-21-11 v0.1.0  
 Source: NTT DOCOMO, INC. MediaTek Inc., LG Electronics*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100509 TP for DC\_3-21\_n28 for TR 37.717-21-11**

*Type: pCR For: Approval  
 37.717-21-11 v0.1.0  
 Source: NTT DOCOMO, INC.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100642 TP update for TR 37.717-21-11: EN-DC\_1-11\_n28**

*Type: pCR For: Approval  
 37.717-21-11 v0.1.0  
 Source: SoftBank Corp., LG Electronics*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100734 TP to TR 37.717-21-11 DC\_7-25\_n77**

*Type: other For: Approval  
 37.717-21-11 v..  
 Source: Nokia, Nokia Shanghai Bell*

**Abstract:**

In this contribution, a text proposal to complete 3DL/2UL EN-DC configurations, DC\_7A-25A\_n77A, DC\_7A-7A-25A\_n77A, DC\_7C-25A\_n77A, DC\_7C-25A-25A\_n77A, DC\_7A-25A-25A\_n77A and DC\_7A-7A-25A-25A\_n77A, is provided.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100735 TP to TR 37.717-21-11 DC\_7-25\_n78**

*Type: other For: Approval  
 37.717-21-11 v..  
 Source: Nokia, Nokia Shanghai Bell*

**Abstract:**

In this contribution, a text proposal to complete 3DL/2UL EN-DC configurations, DC\_7A-25A\_n78A, DC\_7A-7A-25A\_n78A, DC\_7C-25A\_n78A, DC\_7A-25A-25A\_n78A, DC\_7A-7A-25A-25A\_n78A, and DC\_7C-25A-25A\_n78A, is provided.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100736 TP to TR 37.717-21-11 DC\_25-66\_n77**

*Type: other For: Approval  
 37.717-21-11 v..  
 Source: Nokia, Nokia Shanghai Bell*

**Abstract:**

In this contribution, a text proposal to complete 3DL/2UL EN-DC configurations, DC\_25A-66A\_n77A and DC\_25A-25A-66A\_n77A, is provided.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100737 TP to TR 37.717-21-11 DC\_25-66\_n78**

*Type: other For: Approval  
 37.717-21-11 v..  
 Source: Nokia, Nokia Shanghai Bell*

**Abstract:**

In this contribution, a text proposal to complete 3DL/2UL EN-DC configurations, DC\_25A-66A\_n78A and DC\_25A-25A-66A\_n78A, is provided

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100983 TP for TR 37.717-21-11: DC\_2-29\_n78**

*Type: pCR For: Approval  
 37.717-21-11 v0.2.0  
 Source: Samsung, TELUS, Bell mobility*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100984 TP for TR 37.717-21-11: DC\_29-66\_n78**

*Type: pCR For: Approval  
 37.717-21-11 v0.2.0  
 Source: Samsung, TELUS, Bell mobility*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101230 TP for DC\_1-21\_n28 for TR 37.717-21-11**

*Type: pCR For: Approval  
 37.717-21-11 v0.1.0  
 Source: NTT DOCOMO INC.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101231 TP for DC\_3-21\_n28 for TR 37.717-21-11**

*Type: pCR For: Approval  
 37.717-21-11 v0.1.0  
 Source: NTT DOCOMO INC.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101511 TP for 37.717-21-11: correction of duplicated TPS for some combinations**

*Type: pCR For: Approval  
 37.717-21-11 v17.0.0  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101520 DC\_2A-66A-66A\_n66A,DC\_7A-66A-66A\_n66A and DC\_7A-7A-66A-66A\_n66A**

*Type: draftCR For: Endorsement  
 38.101-3 v17.0.0  
 Source: Huawei, HiSilicon, Bell Mobility, Telus*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101545 TP for TR 37.717-21-11: DC\_8-20\_n1**

*Type: pCR For: Approval  
 37.717-21-11 v0.1.0  
 Source: VODAFONE Group Plc*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101546 TP for TR 37.717-21-11: DC\_8-20\_n3**

*Type: pCR For: Approval  
 37.717-21-11 v0.1.0  
 Source: VODAFONE Group Plc*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101547 TP for TR 37.717-21-11: DC\_8-20\_n28**

*Type: pCR For: Approval  
 37.717-21-11 v0.1.0  
 Source: VODAFONE Group Plc*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101548 TP for TR 37.717-21-11: DC\_8-32\_n1**

*Type: pCR For: Approval  
 37.717-21-11 v0.1.0  
 Source: VODAFONE Group Plc*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101912 draft CR to include DC\_2-7\_n78 configuration**

*Type: draftCR For: Endorsement  
 38.101-3 v17.0.0  
 Source: Ericsson, Rogers*

**Abstract:**

draft CR to include DC\_2-7\_n78 configuration

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101913 TP for TR 37.717-21-11 to include 12A-66A\_n41A**

*Type: pCR For: Approval  
 37.717-21-11 v0.2.0  
 Source: Ericsson, Rogers*

**Abstract:**

TP for TR 37.717-21-11 to include 12A-66A\_n41A

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101914 TP for TR 37.717-21-11 to include 2A-12A\_n41A, 2A-2A-12A\_n41A**

*Type: pCR For: Approval  
 37.717-21-11 v0.2.0  
 Source: Ericsson, Rogers*

**Abstract:**

TP for TR 37.717-21-11 to include 2A-12A\_n41A, 2A-2A-12A\_n41A

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101915 TP for TR 37.717-21-11 to include 66A-71A\_n41A**

*Type: pCR For: Approval  
 37.717-21-11 v0.2.0  
 Source: Ericsson, Rogers*

**Abstract:**

TP for TR 37.717-21-11 to include 66A-71A\_n41A

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101916 TP for TR 37.717-21-11 to include 2A-71A\_n41A, 2A-2A-71A\_n41A**

*Type: pCR For: Approval  
 37.717-21-11 v0.2.0  
 Source: Ericsson, Rogers*

**Abstract:**

TP for TR 37.717-21-11 to include 2A-71A\_n41A, 2A-2A-71A\_n41A

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101917 TP for TR 37.717-21-11 to include 7A-12A\_n66A**

*Type: pCR For: Approval  
 37.717-21-11 v0.2.0  
 Source: Ericsson, Rogers*

**Abstract:**

TP for TR 37.717-21-11 to include 7A-12A\_n66A

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101918 TP for TR 37.717-21-11 to include 7A-71A\_n66A**

*Type: pCR For: Approval  
 37.717-21-11 v0.2.0  
 Source: Ericsson, Rogers*

**Abstract:**

TP for TR 37.717-21-11 to include 7A-71A\_n66A

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101919 TP for TR 37.717-21-11 to include 7A-12A\_n78A**

*Type: pCR For: Approval  
 37.717-21-11 v0.2.0  
 Source: Ericsson, Rogers*

**Abstract:**

TP for TR 37.717-21-11 to include 7A-12A\_n78A

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101920 TP for TR 37.717-21-11 to include 12A-66A\_n78A**

*Type: pCR For: Approval  
 37.717-21-11 v0.2.0  
 Source: Ericsson, Rogers*

**Abstract:**

TP for TR 37.717-21-11 to include 12A-66A\_n78A

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101921 TP for TR 37.717-21-11 to include 2A-12A\_78A, 2A-2A-12A\_78A**

*Type: pCR For: Approval  
 37.717-21-11 v0.2.0  
 Source: Ericsson, Rogers*

**Abstract:**

TP for TR 37.717-21-11 to include 2A-12A\_78A, 2A-2A-12A\_78A

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102046 draft CR 38.101-3 adding CA\_n7B UL configurations for 2 LTE + 1 NR**

*Type: draftCR For: Endorsement  
 38.101-3 v17.0.0  
 Source: Ericsson*

**Abstract:**

draft CR 38.101-3 adding CA\_n7B UL configurations for 2 LTE + 1 NR

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102050 TP for TR 37.717-21-11 to include 7A-71A\_n78A**

*Type: pCR For: Approval  
 37.717-21-11 v0.2.0  
 Source: Ericsson, Rogers*

**Abstract:**

TP for TR 37.717-21-11 to include 7A-71A\_n78A

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102318 draft CR to include DC\_2-7\_n66 configuration**

*Type: draftCR For: Endorsement  
 38.101-3 v17.0.0  
 Source: Ericsson, Bell Mobility*

**Abstract:**

draft CR to include DC\_2-7\_n66 configuration

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

#### 9.4.3 DMEN-DC with FR2 band [DC\_R17\_2BLTE\_1BNR\_3DL2UL-Core]

**R4-2100696 Draft CR for TS 38.101-3: Support of DC\_3-11\_n257**

*Type: draftCR For: Endorsement  
 38.101-3 v17.0.0  
 Source: SoftBank Corp.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

### 9.5 DC of 3 LTE band and 1 NR band [DC\_R17\_3BLTE\_1BNR\_4DL2UL]

#### 9.5.1 Rapporteur Input (WID/TR/CR) [DC\_R17\_3BLTE\_1BNR\_4DL2UL-Core/Perf]

**R4-2101884 Revised WID LTE 3DL and one NR band Rel-17**

*Type: WID revised For: Endorsement  
 Source: Ericsson*

**Abstract:**

Revised WID LTE 3DL and one NR band Rel-17

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101888 CR introduction completed band combinations LTE 3DL and one NR band -> 38.101-3**

*Type: CR For: Agreement  
 38.101-3 v17.0.0 CR-0471 Cat: B (Rel-17)  
  
 Source: Ericsson*

**Abstract:**

CR introduction completed band combinations LTE 3DL and one NR band -> 38.101-3

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101892 TR 37.717-31-11 v0.3.0 Rel-17 DC combinations LTE 3DL and one NR band**

*Type: draft TR For: Agreement  
 37.717-31-11 v0.2.0  
 Source: Ericsson*

**Abstract:**

TR 37.717-31-11 v0.3.0 Rel-17 DC combinations LTE 3DL and one NR band

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

#### 9.5.2 EN-DC without FR2 band [DC\_R17\_3BLTE\_1BNR\_4DL2UL-Core]

**R4-2100146 TP to TR 37.717-31-11: DC\_1-20-40\_n78**

*Type: pCR For: Approval  
 37.717-31-11 v0.2.0  
 Source: Nokia, Telefonica*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100310 Draft CR for 38.101-3 to introduce new inter-band EN-DC (1NR band +3LTE band) within FR1 DC\_1A-3A-40A\_n78(2A)/DC\_1A-3A-40C\_n78(2A)**

*Type: draftCR For: Endorsement  
 38.101-3 v17.0.0  
 Source: Huawei,HiSilicon*

**Abstract:**

3HK's new band combination

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100311 Draft CR for 38.101-3 to introduce new inter-band EN-DC (1NR band +3LTE band) within FR1 DC\_1A-3A-8A\_n78(2A)**

*Type: draftCR For: Endorsement  
 38.101-3 v17.0.0  
 Source: Huawei,HiSilicon*

**Abstract:**

3HK's new band combination

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100312 Draft CR for 38.101-3 to introduce new inter-band EN-DC (1NR band +3LTE band) within FR1 DC\_1A-7A-40A\_n78(2A)/DC\_1A-7A-40C\_n78(2A)**

*Type: draftCR For: Endorsement  
 38.101-3 v17.0.0  
 Source: Huawei,HiSilicon*

**Abstract:**

3HK's new band combination

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100313 Draft CR for 38.101-3 to introduce new inter-band EN-DC (1NR band +3LTE band) within FR1 DC\_1A-7A-8A\_n78(2A)**

*Type: draftCR For: Endorsement  
 38.101-3 v17.0.0  
 Source: Huawei,HiSilicon*

**Abstract:**

3HK's new band combination

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100314 Draft CR for 38.101-3 to introduce new inter-band EN-DC (1NR band +3LTE band) within FR1 DC\_1A-8A-40A\_n78(2A)/DC\_1A-8A-40C\_n78(2A)**

*Type: draftCR For: Endorsement  
 38.101-3 v17.0.0  
 Source: Huawei,HiSilicon*

**Abstract:**

3HK's new band combination

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100315 Draft CR for 38.101-3 to introduce new inter-band EN-DC (1NR band +3LTE band) within FR1 DC\_3A-7A-40A\_n78(2A)/DC\_3A-7A-40C\_n78(2A)**

*Type: draftCR For: Endorsement  
 38.101-3 v17.0.0  
 Source: Huawei,HiSilicon*

**Abstract:**

3HK's new band combination

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100316 Draft CR for 38.101-3 to introduce new inter-band EN-DC (1NR band +3LTE band) within FR1 DC\_3A-7A-8A\_n78(2A)**

*Type: draftCR For: Endorsement  
 38.101-3 v17.0.0  
 Source: Huawei,HiSilicon*

**Abstract:**

3HK's new band combination

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100317 Draft CR for 38.101-3 to introduce new inter-band EN-DC (1NR band +3LTE band) within FR1 DC\_3A-8A-40A\_n78(2A)/DC\_3A-8A-40C\_n78(2A)**

*Type: draftCR For: Endorsement  
 38.101-3 v17.0.0  
 Source: Huawei,HiSilicon*

**Abstract:**

3HK's new band combination

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100318 Draft CR for 38.101-3 to introduce new inter-band EN-DC (1NR band +3LTE band) within FR1 DC\_7A-8A-40A\_n78(2A)/DC\_7A-8A-40C\_n78(2A)**

*Type: draftCR For: Endorsement  
 38.101-3 v17.0.0  
 Source: Huawei,HiSilicon*

**Abstract:**

3HK's new band combination

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100652 TP for TR 37.717-31-11: EN-DC\_1-8-42\_n3**

*Type: pCR For: Approval  
 37.717-31-11 v0.1.0  
 Source: SoftBank Corp.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100671 TP for TR 37.717-31-11: EN-DC\_1-3-42\_n28**

*Type: pCR For: Approval  
 37.717-31-11 v0.1.0  
 Source: SoftBank Corp.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100742 Introduction of DC\_7-25-66\_n77 and DC\_7-25-66\_n78**

*Type: draftCR For: Endorsement  
 38.101-3 v17.0.0  
 Source: Nokia, Nokia Shanghai Bell*

**Abstract:**

Introduce new config of DC bands, DC\_7-25-66\_n77 and D\_7-25-66\_n78

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100985 TP for TR 37.717-31-11: DC\_2-29-66\_n78**

*Type: pCR For: Approval  
 37.717-31-11 v0.2.0  
 Source: Samsung, TELUS, Bell mobility*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101518 DraftCR for 38.101-3 to add DC\_7A-7A-13A-66A\_n66A, DC\_2A-7A-66A-66A\_n66A and DC\_2A-7A-7A-66A-66A\_n66A**

*Type: draftCR For: Endorsement  
 38.101-3 v17.0.0  
 Source: Huawei, HiSilicon, Bell Mobility, Telus*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101549 TP for TR 37.717-31-11: DC\_1-8-20\_n28**

*Type: pCR For: Approval  
 37.717-31-11 v0.1.0  
 Source: VODAFONE Group Plc*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101550 TP for TR 37.717-31-11: DC\_7-8-20\_n1**

*Type: pCR For: Approval  
 37.717-31-11 v0.1.0  
 Source: VODAFONE Group Plc*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101551 TP for TR 37.717-31-11: DC\_7-8-20\_n3**

*Type: pCR For: Approval  
 37.717-31-11 v0.1.0  
 Source: VODAFONE Group Plc*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101552 TP for TR 37.717-31-11: DC\_7-8-32\_n1**

*Type: pCR For: Approval  
 37.717-31-11 v0.1.0  
 Source: VODAFONE Group Plc*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101553 TP for TR 37.717-31-11: DC\_7-20-32\_n78**

*Type: pCR For: Approval  
 37.717-31-11 v0.1.0  
 Source: VODAFONE Group Plc*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101554 TP for TR 37.717-31-11: DC\_8-20-32\_n1**

*Type: pCR For: Approval  
 37.717-31-11 v0.1.0  
 Source: VODAFONE Group Plc*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101895 TP to TR TR 37.717-31-11 to include 3-20-40\_n78**

*Type: pCR For: Approval  
 37.717-31-11 v0.2.0  
 Source: Ericsson*

**Abstract:**

TP to TR TR 37.717-31-11 to include 3-20-40\_n78

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102019 TP to TR TR 37.717-31-11 to include DC\_1A-7A-28A\_n3A**

*Type: pCR For: Approval  
 37.717-31-11 v0.2.0  
 Source: Ericsson*

**Abstract:**

TP to TR TR 37.717-31-11 to include DC\_1A-7A-28A\_n3A

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102020 TP to TR 37.717-31-11 to include 2A-12A-66A\_n41A, 2A-2A-12A-66A\_n41A**

*Type: pCR For: Approval  
 37.717-31-11 v0.2.0  
 Source: Ericsson*

**Abstract:**

TP to TR 37.717-31-11 to include 2A-12A-66A\_n41A, 2A-2A-12A-66A\_n41A

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102021 TP to TR 37.717-31-11 to include 2A-66A-71A\_n41A, 2A-2A-66A-71A\_n41A**

*Type: pCR For: Approval  
 37.717-31-11 v0.2.0  
 Source: Ericsson*

**Abstract:**

TP to TR 37.717-31-11 to include 2A-66A-71A\_n41A, 2A-2A-66A-71A\_n41A

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102022 TP to TR 37.717-31-11 to include 2A-7A-12A\_n66A, 2A-2A-7A-12A\_n66A**

*Type: pCR For: Approval  
 37.717-31-11 v0.2.0  
 Source: Ericsson*

**Abstract:**

TP to TR 37.717-31-11 to include 2A-7A-12A\_n66A, 2A-2A-7A-12A\_n66A

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102023 TP to TR 37.717-31-11 to include 2A-2A-5A-7A\_n66A**

*Type: pCR For: Approval  
 37.717-31-11 v0.2.0  
 Source: Ericsson*

**Abstract:**

TP to TR 37.717-31-11 to include 2A-2A-5A-7A\_n66A

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102024 TP to TR 37.717-31-11 to include 2A-7A-71A\_n66A, 2A-2A-7A-71A\_n66A**

*Type: pCR For: Approval  
 37.717-31-11 v0.2.0  
 Source: Ericsson*

**Abstract:**

TP to TR 37.717-31-11 to include 2A-7A-71A\_n66A, 2A-2A-7A-71A\_n66A

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102025 TP to TR 37.717-31-11 to include 2A-7A-12A\_n78A, 2A-2A-7A-12A\_n78A**

*Type: pCR For: Approval  
 37.717-31-11 v0.2.0  
 Source: Ericsson*

**Abstract:**

TP to TR 37.717-31-11 to include 2A-7A-12A\_n78A, 2A-2A-7A-12A\_n78A

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102026 TP to TR 37.717-31-11 to include 2A-12A-66A\_n78A, 2A-2A-12A-66A\_n78A**

*Type: pCR For: Approval  
 37.717-31-11 v0.2.0  
 Source: Ericsson*

**Abstract:**

TP to TR 37.717-31-11 to include 2A-12A-66A\_n78A, 2A-2A-12A-66A\_n78A

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102027 TP to TR 37.717-31-11 to include 7A-12A-66A\_n78A**

*Type: pCR For: Approval  
 37.717-31-11 v0.2.0  
 Source: Ericsson*

**Abstract:**

TP to TR 37.717-31-11 to include 7A-12A-66A\_n78A

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102028 TP to TR 37.717-31-11 to include 7A-66A-71A\_n78A**

*Type: pCR For: Approval  
 37.717-31-11 v0.2.0  
 Source: Ericsson*

**Abstract:**

TP to TR 37.717-31-11 to include 7A-66A-71A\_n78A

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102029 TP to TR 37.717-31-11 to include 2A-7A-71A\_n78A, 2A-2A-7A-71A\_n78A**

*Type: pCR For: Approval  
 37.717-31-11 v0.2.0  
 Source: Ericsson*

**Abstract:**

TP to TR 37.717-31-11 to include 2A-7A-71A\_n78A, 2A-2A-7A-71A\_n78A

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102030 TP to TR 37.717-31-11 to include 2A-7A-66A\_n2A**

*Type: pCR For: Approval  
 37.717-31-11 v0.2.0  
 Source: Ericsson*

**Abstract:**

TP to TR 37.717-31-11 to include 2A-7A-66A\_n2A

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102031 TP to TR 37.717-31-11 to include 2A-5A-7A\_n2A**

*Type: pCR For: Approval  
 37.717-31-11 v0.2.0  
 Source: Ericsson*

**Abstract:**

TP to TR 37.717-31-11 to include 2A-5A-7A\_n2A

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102032 TP to TR 37.717-31-11 to include 5A-7A-66A\_n2A**

*Type: pCR For: Approval  
 37.717-31-11 v0.2.0  
 Source: Ericsson*

**Abstract:**

TP to TR 37.717-31-11 to include 5A-7A-66A\_n2A

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102033 TP to TR 37.717-31-11 to include 2A-7A-71A\_n2A**

*Type: pCR For: Approval  
 37.717-31-11 v0.2.0  
 Source: Ericsson*

**Abstract:**

TP to TR 37.717-31-11 to include 2A-7A-71A\_n2A

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102034 TP to TR 37.717-31-11 to include 2A-66A-71A\_n2A**

*Type: pCR For: Approval  
 37.717-31-11 v0.2.0  
 Source: Ericsson*

**Abstract:**

TP to TR 37.717-31-11 to include 2A-66A-71A\_n2A

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102035 TP to TR 37.717-31-11 to include 2A-7A-12A\_n2A**

*Type: pCR For: Approval  
 37.717-31-11 v0.2.0  
 Source: Ericsson*

**Abstract:**

TP to TR 37.717-31-11 to include 2A-7A-12A\_n2A

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102036 TP to TR 37.717-31-11 to include 7A-66A-71A\_n2A**

*Type: pCR For: Approval  
 37.717-31-11 v0.2.0  
 Source: Ericsson*

**Abstract:**

TP to TR 37.717-31-11 to include 7A-66A-71A\_n2A

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102037 7TP to TR 37.717-31-11 to include 7A-12A-66A\_n2A**

*Type: pCR For: Approval  
 37.717-31-11 v0.2.0  
 Source: Ericsson*

**Abstract:**

7TP to TR 37.717-31-11 to include 7A-12A-66A\_n2A

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102047 draft CR 38.101-3 adding CA\_n7B UL configurations for 3 LTE + 1 NR**

*Type: draftCR For: Endorsement  
 38.101-3 v17.0.0  
 Source: Ericsson*

**Abstract:**

draft CR 38.101-3 adding CA\_n7B UL configurations for 3 LTE + 1 NR

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102051 draft CR to include DC\_2-7-66\_n71, DC\_2-7-66\_n78 configurations**

*Type: draftCR For: Endorsement  
 38.101-3 v17.0.0  
 Source: Ericsson, Rogers*

**Abstract:**

draft CR to include DC\_2-7-66\_n71, DC\_2-7-66\_n78 configurations

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102317 draft CR to include DC\_2-7-13\_n66 configurations**

*Type: draftCR For: Endorsement  
 38.101-3 v17.0.0  
 Source: Ericsson, Bell Mobility*

**Abstract:**

draft CR to include DC\_2-7-13\_n66 configurations

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

#### 9.5.3 EN-DC with FR2 band [DC\_R17\_3BLTE\_1BNR\_4DL2UL-Core]

**R4-2100702 Draft CR for TS 38.101-3: Support of DC\_1-3-11\_n257 and DC\_3-8-11\_n257**

*Type: draftCR For: Endorsement  
 38.101-3 v17.0.0  
 Source: SoftBank Corp.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

### 9.6 DC of 4 LTE band and 1 NR band [DC\_R17\_4BLTE\_1BNR\_5DL2UL]

#### 9.6.1 Rapporteur Input (WID/TR/CR) [DC\_R17\_4BLTE\_1BNR\_5DL2UL-Core/Perf]

**R4-2101924 Revised Rel-17 WID on DC of 4 bands LTE inter-band CA (4DL1UL) and 1 NR band (1DL1UL)**

*Type: WID revised For: Endorsement  
 Source: Nokia, Nokia Shanghai Bell*

**Abstract:**

Inclusion of requests provided at RAN4#98

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101925 CR to introduce new combinations of LTE 4band + NR 1band for TS 38.101-3**

*Type: CR For: Agreement  
 38.101-3 v17.0.0 CR-0473 Cat: B (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Abstract:**

Inclusion of approved combinations provided at RAN4#98

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101926 draft TR 37.717-41-11 v0.3.0**

*Type: draft TR For: Agreement  
 37.717-41-11 v0.2.0  
 Source: Nokia, Nokia Shanghai Bell*

**Abstract:**

Inclusion of TPs provided at RAN4#98

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

#### 9.6.2 EN-DC without FR2 band [DC\_R17\_4BLTE\_1BNR\_5DL2UL-Core]

**R4-2100147 TP to TR 37.717-41-11: DC\_1-3-20-40\_n78**

*Type: pCR For: Approval  
 37.717-41-11 v0.2.0  
 Source: Nokia, Telefonica*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100319 Draft CR for 38.101-3 to introduce new inter-band EN-DC (1NR band +4LTE band) within FR1 DC\_1A-3A-7A-40A\_n78(2A)/DC\_1A-3A-7A-40C\_n78(2A)**

*Type: draftCR For: Endorsement  
 38.101-3 v17.0.0  
 Source: Huawei,HiSilicon*

**Abstract:**

3HK's new band combination

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100320 Draft CR for 38.101-3 to introduce new inter-band EN-DC (1NR band +4LTE band) within FR1 DC\_1A-3A-7A-8A\_n78(2A)**

*Type: draftCR For: Endorsement  
 38.101-3 v17.0.0  
 Source: Huawei,HiSilicon*

**Abstract:**

3HK's new band combination

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100321 Draft CR for 38.101-3 to introduce new inter-band EN-DC (1NR band +4LTE band) within FR1 DC\_1A-3A-8A-40A\_n78(2A)/DC\_1A-3A-8A-40C\_n78(2A)**

*Type: draftCR For: Endorsement  
 38.101-3 v17.0.0  
 Source: Huawei,HiSilicon*

**Abstract:**

3HK's new band combination

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100322 Draft CR for 38.101-3 to introduce new inter-band EN-DC (1NR band +4LTE band) within FR1 DC\_1A-7A-8A-40A\_n78(2A)/DC\_1A-7A-8A-40C\_n78(2A)**

*Type: draftCR For: Endorsement  
 38.101-3 v17.0.0  
 Source: Huawei,HiSilicon*

**Abstract:**

3HK's new band combination

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100323 Draft CR for 38.101-3 to introduce new inter-band EN-DC (1NR band +4LTE band) within FR1 DC\_3A-7A-8A-40A\_n78(2A)/DC\_3A-7A-8A-40C\_n78(2A)**

*Type: draftCR For: Endorsement  
 38.101-3 v17.0.0  
 Source: Huawei,HiSilicon*

**Abstract:**

3HK's new band combination

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100672 TP for TR 37.717-41-11: EN-DC\_1-3-8-11\_n28**

*Type: pCR For: Approval  
 37.717-41-11 v0.1.0  
 Source: SoftBank Corp.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100673 TP for TR 37.717-41-11: EN-DC\_1-3-8-11\_n77**

*Type: pCR For: Approval  
 37.717-41-11 v0.1.0  
 Source: SoftBank Corp.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101519 DraftCR for 38.101-3 to add DC\_2A-7A-7A-13A-66A\_N66a and DC\_2A-5A-7A-7A-66A\_n66A**

*Type: draftCR For: Endorsement  
 38.101-3 v17.0.0  
 Source: Huawei, HiSilicon, Bell Mobility, Telus*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101562 TP for TR 37.717-41-11: DC\_1-7-8-20\_n3**

*Type: pCR For: Approval  
 37.717-41-11 v0.1.0  
 Source: VODAFONE Group Plc*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101563 TP for TR 37.717-41-11: DC\_1-7-8-20\_n28**

*Type: pCR For: Approval  
 37.717-41-11 v0.1.0  
 Source: VODAFONE Group Plc*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101573 TP for TR 37.717-41-11: DC\_1-7-8-20\_n78**

*Type: pCR For: Approval  
 37.717-41-11 v0.1.0  
 Source: VODAFONE Group Plc*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101574 TP for TR 37.717-41-11: DC\_7-8-20-32\_n1**

*Type: pCR For: Approval  
 37.717-41-11 v0.1.0  
 Source: VODAFONE Group Plc*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102038 TP to TR 37.717-41-11 to include 2A-7A-12A-66A\_n78A, 2A-2A-7A-12A-66A\_n78A**

*Type: pCR For: Approval  
 37.717-41-11 v0.2.0  
 Source: Ericsson*

**Abstract:**

TP to TR 37.717-41-11 to include 2A-7A-12A-66A\_n78A,2A-2A-7A-12A-66A\_n78A

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102039 TP to TR 37.717-41-11 to include 2A-7A-66A-71A\_n78A, 2A-2A-7A-66A-71A\_n78A**

*Type: pCR For: Approval  
 37.717-41-11 v0.2.0  
 Source: Ericsson*

**Abstract:**

TP to TR 37.717-41-11 to include 2A-7A-66A-71A\_n78A, 2A-2A-7A-66A-71A\_n78A

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102040 TP to TR 37.717-41-11 to include 2A-5A-7A-66A\_n2A**

*Type: pCR For: Approval  
 37.717-41-11 v0.2.0  
 Source: Ericsson*

**Abstract:**

TP to TR 37.717-41-11 to include 2A-5A-7A-66A\_n2A

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102041 TP to TR 37.717-41-11 to include 2A-7A-66A-71A\_n2A**

*Type: pCR For: Approval  
 37.717-41-11 v0.2.0  
 Source: Ericsson*

**Abstract:**

TP to TR 37.717-41-11 to include 2A-7A-66A-71A\_n2A

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102042 TP to TR 37.717-41-11 to include 2A-7A-12A-66A\_n2A**

*Type: pCR For: Approval  
 37.717-41-11 v0.2.0  
 Source: Ericsson*

**Abstract:**

TP to TR 37.717-41-11 to include 2A-7A-12A-66A\_n2A

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

#### 9.6.3 EN-DC with FR2 band [DC\_R17\_4BLTE\_1BNR\_5DL2UL-Core]

**R4-2100704 Draft CR for TS 38.101-3: Support of DC\_1-3-8-11\_n257**

*Type: draftCR For: Endorsement  
 38.101-3 v17.0.0  
 Source: SoftBank Corp.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

### 9.7 DC of x bands (x=1,2, 3, 4) LTE inter-band CA and 2 bands NR inter-band CA [DC\_R17\_xBLTE\_2BNR\_yDL2UL]

#### 9.7.1 Rapporteur Input (WID/TR/CR) [DC\_R17\_xBLTE\_2BNR\_yDL2UL-Core/Per]

**R4-2100272 TR 37.717-11-21 v0.3.0 TR update: LTE(xDL/1UL)+ NR(2DL/1UL) DC in Rel-17**

*Type: draft TR For: Agreement  
 37.717-11-21 v0.3.0  
 Source: LG Electronics France*

**Abstract:**

Update TR to capture approved TPs for LTE(xDL/1UL)+ NR(2DL/1UL) DC band combos.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100275 Revised WID on LTE (xDL/UL x=1.2,3,4) with NR 2 bands (2DL/1UL) DC in Rel-17**

*Type: WID revised For: Endorsement  
 Source: LG Electronics France*

**Abstract:**

Revised WID to capture new NR DC combos and update the status for each DC band combos for LTE (xDL/UL x=1.2,3,4) with NR 2 bands (2DL/1UL) DC band combos

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100277 Introduction CR on new NR DC LTE(xDL/1UL)+ NR(2DL/1UL) band combinations in Rel-17**

*Type: CR For: Agreement  
 38.101-3 v17.0.0 CR-0438 Cat: B (Rel-17)  
  
 Source: LG Electronics France*

**Abstract:**

Big CR to add new DC combos in TS38.101-3 in Rel-17

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

#### 9.7.2 EN-DC including NR inter CA without FR2 band [DC\_R17\_xBLTE\_2BNR\_yDL2UL-Core]

**R4-2100278 TP on summary of self-interference analysis for new NR DC LTE(xDL/1UL)+ NR(2DL/1UL) DC in Rel-17**

*Type: pCR For: Approval  
 37.717-11-21 v0.1.0  
 Source: LG Electronics France*

**Abstract:**

propose TP to add the self interference analysis results for the new DC band combos

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100279 MSD anlaysis results for new DC band combinations**

*Type: pCR For: Approval  
 37.717-11-21 v0.1.0  
 Source: LG Electronics France*

**Abstract:**

Propose MSD levels for the new DC band combos with self interfered problems

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100298 Discussion of MSD for 3DL2UL DC\_21\_n28-n79 due to UL IMD issues**

*Type: pCR For: Approval  
 37.717-11-21 v0.1.0  
 Source: Mediatek India Technology Pvt.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100300 TP for TR 37.717-11-21: to update DC\_18\_n3-n41 with IMD3 MSD**

*Type: pCR For: Approval  
 37.717-11-21 v0.1.0  
 Source: Mediatek India Technology Pvt.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100325 TP for TR 37.717-11-21:DC\_3A-40A\_n1A-n78A/DC\_3A-40C\_n1A-n78A**

*Type: pCR For: Approval  
 37.717-11-21 v0.1.0  
 Source: Huawei,HiSilicon*

**Abstract:**

3HK's new band combination

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100326 TP for TR 37.717-11-21:DC\_7A-40A\_n1A-n78A/DC\_7A-40C\_n1A-n78A**

*Type: pCR For: Approval  
 37.717-11-21 v0.1.0  
 Source: Huawei,HiSilicon*

**Abstract:**

3HK's new band combination

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100327 TP for TR 37.717-11-21:DC\_8A-40A\_n1A-n78A/DC\_8A-40C\_n1A-n78A**

*Type: pCR For: Approval  
 37.717-11-21 v0.1.0  
 Source: Huawei,HiSilicon*

**Abstract:**

3HK's new band combination

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100328 TP for TR 37.717-11-21:DC\_3A-7A-40A\_n1A-n78A/DC\_3A-7A-40C\_n1A-n78A**

*Type: pCR For: Approval  
 37.717-11-21 v0.1.0  
 Source: Huawei,HiSilicon*

**Abstract:**

3HK's new band combination

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100329 TP for TR 37.717-11-21:DC\_3A-8A-40A\_n1A-n78A/DC\_3A-8A-40C\_n1A-n78A**

*Type: pCR For: Approval  
 37.717-11-21 v0.1.0  
 Source: Huawei,HiSilicon*

**Abstract:**

3HK's new band combination

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100330 TP for TR 37.717-11-21:DC\_7A-8A-40A\_n1A-n78A/DC\_7A-8A-40C\_n1A-n78A**

*Type: pCR For: Approval  
 37.717-11-21 v0.1.0  
 Source: Huawei,HiSilicon*

**Abstract:**

3HK's new band combination

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100331 TP for TR 37.717-11-21:DC\_3A-7A-8A-40A\_n1A-n78A/DC\_3A-7A-8A-40C\_n1A-n78A**

*Type: pCR For: Approval  
 37.717-11-21 v0.1.0  
 Source: Huawei,HiSilicon*

**Abstract:**

3HK's new band combination

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100346 TP for TR 37.717-11-21: DC\_1-3-18\_n3-n41**

*Type: pCR For: Approval  
 37.717-11-21 v0.1.0  
 Source: KDDI Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100347 TP for TR 37.717-11-21: DC\_1-3-18\_n28-n41**

*Type: pCR For: Approval  
 37.717-11-21 v0.1.0  
 Source: KDDI Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100348 TP for TR 37.717-11-21: DC\_1-3-18\_n41-n77**

*Type: pCR For: Approval  
 37.717-11-21 v0.1.0  
 Source: KDDI Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100349 TP for TR 37.717-11-21: DC\_1-3-18\_n41-n78**

*Type: pCR For: Approval  
 37.717-11-21 v0.1.0  
 Source: KDDI Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100503 TP for DC\_1\_n28-n79 for TR 37.717-11-21**

*Type: pCR For: Approval  
 37.717-11-21 v0.1.0  
 Source: NTT DOCOMO, INC. MediaTek Inc., LG Electronics*

**Discussion:**

[report of discussion]

**Decision:** The document was **withdrawn**.

**R4-2100504 TP for DC\_3\_n28-n79 for TR 37.717-11-21**

*Type: pCR For: Approval  
 37.717-11-21 v0.1.0  
 Source: NTT DOCOMO, INC. MediaTek Inc., LG Electronics*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100505 TP for DC\_21\_n28-n77 for TR 37.717-11-21**

*Type: pCR For: Approval  
 37.717-11-21 v0.1.0  
 Source: NTT DOCOMO, INC. MediaTek Inc., LG Electronics*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100506 TP for DC\_21\_n28-n78 for TR 37.717-11-21**

*Type: pCR For: Approval  
 37.717-11-21 v0.1.0  
 Source: NTT DOCOMO, INC. MediaTek Inc., LG Electronics*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100507 TP for DC\_21\_n28-n79 for TR 37.717-11-21**

*Type: pCR For: Approval  
 37.717-11-21 v0.1.0  
 Source: NTT DOCOMO, INC. MediaTek Inc., LG Electronics*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100643 TP update for TR 37.717-11-21: EN-DC\_11\_n3-n77**

*Type: pCR For: Approval  
 37.717-11-21 v0.1.0  
 Source: SoftBank Corp.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100644 TP update for TR 37.717-11-21: EN-DC\_11\_n28-n77**

*Type: pCR For: Approval  
 37.717-11-21 v0.1.0  
 Source: SoftBank Corp.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100649 TP for TR 37.717-11-21: EN-DC\_3-11\_n28-n77**

*Type: pCR For: Approval  
 37.717-11-21 v0.1.0  
 Source: SoftBank Corp.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100650 TP for TR 37.717-11-21: EN-DC\_8-11\_n28-n77**

*Type: pCR For: Approval  
 37.717-11-21 v0.1.0  
 Source: SoftBank Corp.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100653 TP for TR 37.717-11-21: EN-DC\_1-11\_n3-n77**

*Type: pCR For: Approval  
 37.717-11-21 v0.1.0  
 Source: SoftBank Corp.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100654 TP for TR 37.717-11-21: EN-DC\_8-11\_n3-n77**

*Type: pCR For: Approval  
 37.717-11-21 v0.1.0  
 Source: SoftBank Corp.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100660 TP for TR 37.717-11-21: EN-DC\_1-11\_n28-n77**

*Type: pCR For: Approval  
 37.717-11-21 v0.1.0  
 Source: SoftBank Corp.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100663 TP for TR 37.717-11-21: EN-DC\_1-42\_n3-n28**

*Type: pCR For: Approval  
 37.717-11-21 v0.1.0  
 Source: SoftBank Corp.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100666 TP for TR 37.717-11-21: EN-DC\_1-42\_n3-n77**

*Type: pCR For: Approval  
 37.717-11-21 v0.1.0  
 Source: SoftBank Corp.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100667 TP for TR 37.717-11-21: EN-DC\_8-42\_n3-n28**

*Type: pCR For: Approval  
 37.717-11-21 v0.1.0  
 Source: SoftBank Corp.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100668 TP for TR 37.717-11-21: EN-DC\_8-42\_n3-n77**

*Type: pCR For: Approval  
 37.717-11-21 v0.1.0  
 Source: SoftBank Corp.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100674 TP for TR 37.717-11-21: EN-DC\_1-8-11\_n3-n28**

*Type: pCR For: Approval  
 37.717-11-21 v0.1.0  
 Source: SoftBank Corp.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100675 TP for TR 37.717-11-21: EN-DC\_1-8-11\_n3-n77**

*Type: pCR For: Approval  
 37.717-11-21 v0.1.0  
 Source: SoftBank Corp.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100676 TP for TR 37.717-11-21: EN-DC\_1-3-11\_n28-n77**

*Type: pCR For: Approval  
 37.717-11-21 v0.1.0  
 Source: SoftBank Corp.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100677 TP for TR 37.717-11-21: EN-DC\_1-8-11\_n28-n77**

*Type: pCR For: Approval  
 37.717-11-21 v0.1.0  
 Source: SoftBank Corp.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100678 TP for TR 37.717-11-21: EN-DC\_1-8-42\_n3-n28**

*Type: pCR For: Approval  
 37.717-11-21 v0.1.0  
 Source: SoftBank Corp.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100679 TP for TR 37.717-11-21: EN-DC\_1-8-42\_n3-n77**

*Type: pCR For: Approval  
 37.717-11-21 v0.1.0  
 Source: SoftBank Corp.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100680 TP for TR 37.717-11-21: EN-DC\_3-8-11\_n28-n77**

*Type: pCR For: Approval  
 37.717-11-21 v0.1.0  
 Source: SoftBank Corp.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100688 TP for TR 37.717-11-21: EN-DC\_1-3-42\_n28-n77**

*Type: pCR For: Approval  
 37.717-11-21 v0.1.0  
 Source: SoftBank Corp.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100689 TP for TR 37.717-11-21: EN-DC\_1-3-8-11\_n28-n77**

*Type: pCR For: Approval  
 37.717-11-21 v0.1.0  
 Source: SoftBank Corp.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100706 MSD evaluation for TR 37.717-11-21**

*Type: discussion For: Approval  
 37.717-11-21 v..  
 Source: MediaTek Inc.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101190 TP for DC\_1-21\_n28-n77 for TR 37.717-11-21**

*Type: pCR For: Approval  
 37.717-11-21 v0.1.0  
 Source: NTT DOCOMO INC.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101191 TP for DC\_1-21\_n28-n78 for TR 37.717-11-21**

*Type: pCR For: Approval  
 37.717-11-21 v0.1.0  
 Source: NTT DOCOMO INC.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101192 TP for DC\_1-21\_n28-n79 for TR 37.717-11-21**

*Type: pCR For: Approval  
 37.717-11-21 v0.1.0  
 Source: NTT DOCOMO INC.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101193 TP for DC\_1-3\_n28-n79 for TR 37.717-11-21**

*Type: pCR For: Approval  
 37.717-11-21 v0.1.0  
 Source: NTT DOCOMO INC.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101194 TP for DC\_3-21\_n28-n77 for TR 37.717-11-21**

*Type: pCR For: Approval  
 37.717-11-21 v0.1.0  
 Source: NTT DOCOMO INC.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101195 TP for DC\_3-21\_n28-n78 for TR 37.717-11-21**

*Type: pCR For: Approval  
 37.717-11-21 v0.1.0  
 Source: NTT DOCOMO INC.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101196 TP for DC\_3-21\_n28-n79 for TR 37.717-11-21**

*Type: pCR For: Approval  
 37.717-11-21 v0.1.0  
 Source: NTT DOCOMO INC.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101225 TP for DC\_1\_n28-n79 for TR 37.717-11-21**

*Type: pCR For: Approval  
 37.717-11-21 v0.1.0  
 Source: NTT DOCOMO INC.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101226 TP for DC\_3\_n28-n79 for TR 37.717-11-21**

*Type: pCR For: Approval  
 37.717-11-21 v0.1.0  
 Source: NTT DOCOMO INC.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101227 TP for DC\_21\_n28-n77 for TR 37.717-11-21**

*Type: pCR For: Approval  
 37.717-11-21 v0.1.0  
 Source: NTT DOCOMO INC.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101228 TP for DC\_21\_n28-n78 for TR 37.717-11-21**

*Type: pCR For: Approval  
 37.717-11-21 v0.1.0  
 Source: NTT DOCOMO INC.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101229 TP for DC\_21\_n28-n79 for TR 37.717-11-21**

*Type: pCR For: Approval  
 37.717-11-21 v0.1.0  
 Source: NTT DOCOMO INC.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101585 TP for TR 37.717-11-21:DC\_8A\_n28A-n78A**

*Type: pCR For: Approval  
 37.717-11-21 v0.2.0  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101586 TP for TR 37.717-11-21:DC\_1A-8A\_n28A-n78A**

*Type: pCR For: Approval  
 37.717-11-21 v0.2.0  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101587 TP for TR 37.717-11-21:DC\_3A-8A\_n28A-n78A**

*Type: pCR For: Approval  
 37.717-11-21 v0.2.0  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101588 TP for TR 37.717-11-21:DC\_7A-8A\_n28A-n78A**

*Type: pCR For: Approval  
 37.717-11-21 v0.2.0  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101589 TP for TR 37.717-11-21:DC\_1A-3A-8A\_n28A-n78A**

*Type: pCR For: Approval  
 37.717-11-21 v0.2.0  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101590 TP for TR 37.717-11-21:DC\_1A-7A-8A\_n28A-n78A**

*Type: pCR For: Approval  
 37.717-11-21 v0.2.0  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101591 TP for TR 37.717-11-21:DC\_3A-7A-8A\_n28A-n78A**

*Type: pCR For: Approval  
 37.717-11-21 v0.2.0  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101592 TP for TR 37.717-11-21:DC\_1A-3A-7A-8A\_n28A-n78A**

*Type: pCR For: Approval  
 37.717-11-21 v0.2.0  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101593 Updated TP for TR 37.717-11-21:DC\_3C-20A\_n1A-n78A**

*Type: pCR For: Approval  
 37.717-11-21 v0.2.0  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101594 Updated TP for TR 37.717-11-21:DC\_3C-7A-20A\_n1A-n78A**

*Type: pCR For: Approval  
 37.717-11-21 v0.2.0  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101897 TP for TR 37.717-11-21 to include DC\_3A-28A\_n1A-n78A**

*Type: pCR For: Approval  
 37.717-11-21 v0.2.0  
 Source: Ericsson*

**Abstract:**

TP for TR 37.717-11-21 to include DC\_3A-28A\_n1A-n78A

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101898 TP for TR 37.717-11-21 to include DC\_7A-28A\_n1A-n78A**

*Type: pCR For: Approval  
 37.717-11-21 v0.2.0  
 Source: Ericsson*

**Abstract:**

TP for TR 37.717-11-21 to include DC\_7A-28A\_n1A-n78A

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101899 TP for TR 37.717-11-21 to include DC\_3A-7A-28A\_n1A-n78A**

*Type: pCR For: Approval  
 37.717-11-21 v0.2.0  
 Source: Ericsson*

**Abstract:**

TP for TR 37.717-11-21 to include DC\_3A-7A-28A\_n1A-n78A

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101900 TP for TR 37.717-11-21 to include DC\_1A-7A-28A\_n3A-n78A**

*Type: pCR For: Approval  
 37.717-11-21 v0.2.0  
 Source: Ericsson*

**Abstract:**

TP for TR 37.717-11-21 to include DC\_1A-7A-28A\_n3A-n78A

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102048 draft CR 38.101-3 adding CA\_n7B UL configurations for x LTE + 2 NR**

*Type: draftCR For: Endorsement  
 38.101-3 v17.0.0  
 Source: Ericsson*

**Abstract:**

draft CR 38.101-3 adding CA\_n7B UL configurations for x LTE + 2 NR

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102052 TP for TR 37.717-11-21 to include 2A\_n71a-n78a**

*Type: pCR For: Approval  
 37.717-11-21 v0.2.0  
 Source: Ericsson, Rogers*

**Abstract:**

TP for TR 37.717-11-21 to include 2A\_n71a-n78a

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102053 TP for TR 37.717-11-21 to include 7A\_n71a-n78a**

*Type: pCR For: Approval  
 37.717-11-21 v0.2.0  
 Source: Ericsson, Rogers*

**Abstract:**

TP for TR 37.717-11-21 to include 7A\_n71a-n78a

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102054 TP for TR 37.717-11-21 to include 66A\_n71a-n78a**

*Type: pCR For: Approval  
 37.717-11-21 v0.2.0  
 Source: Ericsson, Rogers*

**Abstract:**

TP for TR 37.717-11-21 to include 66A\_n71a-n78a

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102055 TP for TR 37.717-11-21 to include 2A\_n38a-n71a**

*Type: pCR For: Approval  
 37.717-11-21 v0.2.0  
 Source: Ericsson, Rogers*

**Abstract:**

TP for TR 37.717-11-21 to include 2A\_n38a-n71a

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102056 TP for TR 37.717-11-21 to include 66A\_n38a-n71a**

*Type: pCR For: Approval  
 37.717-11-21 v0.2.0  
 Source: Ericsson, Rogers*

**Abstract:**

TP for TR 37.717-11-21 to include 66A\_n38a-n71a

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102057 TP for TR 37.717-11-21 to include 71A\_n38a-n78a**

*Type: pCR For: Approval  
 37.717-11-21 v0.2.0  
 Source: Ericsson, Rogers*

**Abstract:**

TP for TR 37.717-11-21 to include 71A\_n38a-n78a

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102058 TP for TR 37.717-11-21 to include 5A\_n66a-n78a**

*Type: pCR For: Approval  
 37.717-11-21 v0.2.0  
 Source: Ericsson, Rogers*

**Abstract:**

TP for TR 37.717-11-21 to include 5A\_n66a-n78a

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102059 TP for TR 37.717-11-21 to include 71A\_n66a-n78a**

*Type: pCR For: Approval  
 37.717-11-21 v0.2.0  
 Source: Ericsson, Rogers*

**Abstract:**

TP for TR 37.717-11-21 to include 71A\_n66a-n78a

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102060 TP for TR 37.717-11-21 to include 5A\_n38a-n66a**

*Type: pCR For: Approval  
 37.717-11-21 v0.2.0  
 Source: Ericsson, Rogers*

**Abstract:**

TP for TR 37.717-11-21 to include 5A\_n38a-n66a

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102061 TP for TR 37.717-11-21 to include 71A\_n38a-n66a**

*Type: pCR For: Approval  
 37.717-11-21 v0.2.0  
 Source: Ericsson, Rogers*

**Abstract:**

TP for TR 37.717-11-21 to include 71A\_n38a-n66a

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102062 TP for TR 37.717-11-21 to include 2A\_n2a-n38a**

*Type: pCR For: Approval  
 37.717-11-21 v0.2.0  
 Source: Ericsson, Rogers*

**Abstract:**

TP for TR 37.717-11-21 to include 2A\_n2a-n38a

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102063 TP for TR 37.717-11-21 to include 66A\_n2a-n38a**

*Type: pCR For: Approval  
 37.717-11-21 v0.2.0  
 Source: Ericsson, Rogers*

**Abstract:**

TP for TR 37.717-11-21 to include 66A\_n2a-n38a

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102064 TP for TR 37.717-11-21 to include 12A\_n2a-n38a**

*Type: pCR For: Approval  
 37.717-11-21 v0.2.0  
 Source: Ericsson, Rogers*

**Abstract:**

TP for TR 37.717-11-21 to include 12A\_n2a-n38a

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102065 TP for TR 37.717-11-21 to include 2A\_n2a-n41a**

*Type: pCR For: Approval  
 37.717-11-21 v0.2.0  
 Source: Ericsson, Rogers*

**Abstract:**

TP for TR 37.717-11-21 to include 2A\_n2a-n41a

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102066 TP for TR 37.717-11-21 to include 12A\_n2a-n41a**

*Type: pCR For: Approval  
 37.717-11-21 v0.2.0  
 Source: Ericsson, Rogers*

**Abstract:**

TP for TR 37.717-11-21 to include 12A\_n2a-n41a

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102067 TP for TR 37.717-11-21 to include 71A\_n2a-n41a**

*Type: pCR For: Approval  
 37.717-11-21 v0.2.0  
 Source: Ericsson, Rogers*

**Abstract:**

TP for TR 37.717-11-21 to include 71A\_n2a-n41a

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102068 TP for TR 37.717-11-21 to include 2A\_n2a-n78a**

*Type: pCR For: Approval  
 37.717-11-21 v0.2.0  
 Source: Ericsson, Rogers*

**Abstract:**

TP for TR 37.717-11-21 to include 2A\_n2a-n78a

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102069 TP for TR 37.717-11-21 to include 7A\_n2a-n78a**

*Type: pCR For: Approval  
 37.717-11-21 v0.2.0  
 Source: Ericsson, Rogers*

**Abstract:**

TP for TR 37.717-11-21 to include 7A\_n2a-n78a

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102070 TP for TR 37.717-11-21 to include 71A\_n2a-n78a**

*Type: pCR For: Approval  
 37.717-11-21 v0.2.0  
 Source: Ericsson, Rogers*

**Abstract:**

TP for TR 37.717-11-21 to include 71A\_n2a-n78a

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102071 TP for TR 37.717-11-21 to include 2A\_n66a-n71a**

*Type: pCR For: Approval  
 37.717-11-21 v0.2.0  
 Source: Ericsson, Rogers*

**Abstract:**

TP for TR 37.717-11-21 to include 2A\_n66a-n71a

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102072 TP for TR 37.717-11-21 to include 7A\_n66a-n71a**

*Type: pCR For: Approval  
 37.717-11-21 v0.2.0  
 Source: Ericsson, Rogers*

**Abstract:**

TP for TR 37.717-11-21 to include 7A\_n66a-n71a

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102073 TP for TR 37.717-11-21 to include 66A\_n66a-n71a**

*Type: pCR For: Approval  
 37.717-11-21 v0.2.0  
 Source: Ericsson, Rogers*

**Abstract:**

TP for TR 37.717-11-21 to include 66A\_n66a-n71a

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102074 TP for TR 37.717-11-21 to include 2A\_n2a-n71a**

*Type: pCR For: Approval  
 37.717-11-21 v0.2.0  
 Source: Ericsson, Rogers*

**Abstract:**

TP for TR 37.717-11-21 to include 2A\_n2a-n71a

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102075 TP for TR 37.717-11-21 to include 7A\_n2a-n71a**

*Type: pCR For: Approval  
 37.717-11-21 v0.2.0  
 Source: Ericsson, Rogers*

**Abstract:**

TP for TR 37.717-11-21 to include 7A\_n2a-n71a

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102076 TP for TR 37.717-11-21 to include 66A\_n2a-n71a**

*Type: pCR For: Approval  
 37.717-11-21 v0.2.0  
 Source: Ericsson, Rogers*

**Abstract:**

TP for TR 37.717-11-21 to include 66A\_n2a-n71a

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102077 TP for TR 37.717-11-21 to include 2A\_n2a-n66a**

*Type: pCR For: Approval  
 37.717-11-21 v0.2.0  
 Source: Ericsson, Rogers*

**Abstract:**

TP for TR 37.717-11-21 to include 2A\_n2a-n66a

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102078 TP for TR 37.717-11-21 to include 7A\_n2a-n66a**

*Type: pCR For: Approval  
 37.717-11-21 v0.2.0  
 Source: Ericsson, Rogers*

**Abstract:**

TP for TR 37.717-11-21 to include 7A\_n2a-n66a

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102079 TP for TR 37.717-11-21 to include 66A\_n2a-n66a**

*Type: pCR For: Approval  
 37.717-11-21 v0.2.0  
 Source: Ericsson, Rogers*

**Abstract:**

TP for TR 37.717-11-21 to include 66A\_n2a-n66a

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102080 TP for TR 37.717-11-21 to include 71A\_n2a-n66a**

*Type: pCR For: Approval  
 37.717-11-21 v0.2.0  
 Source: Ericsson, Rogers*

**Abstract:**

TP for TR 37.717-11-21 to include 71A\_n2a-n66a

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

#### 9.7.3 EN-DC including NR inter CA with FR2 band [DC\_R17\_xBLTE\_2BNR\_yDL2UL-Core]

**R4-2101901 TP for TR 37.717-11-21 to include DC\_1A-3A-7A-28A\_n78A-n257A/G/H/I**

*Type: pCR For: Approval  
 37.717-11-21 v0.2.0  
 Source: Ericsson*

**Abstract:**

TP for TR 37.717-11-21 to include DC\_1A-3A-7A-28A\_n78A-n257A/G/H/I

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102214 TP for 37.717-11-21\_ DC\_39\_n40-n258**

*Type: pCR For: Approval  
 37.717-11-21 v0.2.0  
 Source: ZTE Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102215 TP for 37.717-11-21\_ DC\_39\_n41-n258**

*Type: pCR For: Approval  
 37.717-11-21 v0.2.0  
 Source: ZTE Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102216 TP for 37.717-11-21\_ DC\_39\_n79-n258**

*Type: pCR For: Approval  
 37.717-11-21 v0.2.0  
 Source: ZTE Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

### 9.8 Band combinations for SA NR supplementary uplink (SUL)

#### 9.8.1 Rapporteur Input (WID/TR/CR) [NR\_SUL\_combos\_R17-Core/Per]

**R4-2100291 Revised WID on Band combinations for SA NR Supplementary uplink (SUL), NSA NR SUL, NSA NR SUL with UL sharing from the UE perspective (ULSUP)**

*Type: WID revised For: Endorsement  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100292 TR 37.717-00-00 v0.3.0**

*Type: draft TR For: Agreement  
 37.717-00-00 v0.2.0  
 Source: Huawei, HiSilicon*

**Abstract:**

To capture the approved TPs in this meeting

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100293 CR on Introduction of completed SUL band combinations into TS 38.101-1**

*Type: CR For: Agreement  
 38.101-1 v17.0.0 CR-0607 Cat: B (Rel-17)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100294 CR on Introduction of completed SUL band combinations into TS 38.101-3**

*Type: CR For: Agreement  
 38.101-3 v17.0.0 CR-0439 Cat: B (Rel-17)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

#### 9.8.2 UE RF [NR\_SUL\_combos\_R17-Core]

**R4-2101603 TP for TR 37.717-00-00 for CA\_n3A\_SUL\_n78A-n80A**

*Type: pCR For: Approval  
 37.717-00-00 v0.2.0  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101604 TP for TR 37.717-00-00 for CA\_n41A\_SUL\_n79A-n83A**

*Type: pCR For: Approval  
 37.717-00-00 v0.2.0  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101605 TP for TR 37.717-00-00 for CA\_n79A\_SUL\_n41A-n83A**

*Type: pCR For: Approval  
 37.717-00-00 v0.2.0  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101606 DraftCR for 38.101-1 to add configuration for SUL\_n41C-n95A**

*Type: draftCR For: Endorsement  
 38.101-1 v17.0.0  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101607 DraftCR for 38.101-1 to add configuration for SUL\_n79C-n95A**

*Type: draftCR For: Endorsement  
 38.101-1 v17.0.0  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101608 TP for TR 37.717-00-00 for SUL\_n41A-n97A**

*Type: pCR For: Approval  
 37.717-00-00 v0.2.0  
 Source: Huawei, HiSilicon, CMCC*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101609 TP for TR 37.717-00-00 for SUL\_n79A-n97A**

*Type: pCR For: Approval  
 37.717-00-00 v0.2.0  
 Source: Huawei, HiSilicon, CMCC*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101610 TP for TR 37.717-00-00 for SUL\_n41A-n98A**

*Type: pCR For: Approval  
 37.717-00-00 v0.2.0  
 Source: Huawei, HiSilicon, CMCC*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101611 TP for TR 37.717-00-00 for SUL\_n79A-n98A**

*Type: pCR For: Approval  
 37.717-00-00 v0.2.0  
 Source: Huawei, HiSilicon, CMCC*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

### 9.9 NR Inter-band Carrier Aggregation for 3 bands DL with 1 band UL [NR\_CA\_R17\_3BDL\_1BUL]

#### 9.9.1 Rapporteur Input (WID/TR/CR) [NR\_CA\_R17\_3BDL\_1BUL-Core/Per]

**R4-2100492 TR 38.717-03-01 on Rel-17 NR inter-band Carrier Aggregation (CA) for 3 Down Link (DL) / 1 Up Link (UL)**

*Type: draft TR For: Agreement  
 38.717-03-01 v0.2.0  
 Source: CATT*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100493 Revised WID on Rel-17 NR inter-band CA of 3DL bands and 1UL band**

*Type: WID revised For: Approval  
 Source: CATT*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

#### 9.9.2 UE RF [NR\_CA\_R17\_3BDL\_1BUL-Core]

**R4-2100093 Draft CR on CA\_n1-n3-n78**

*Type: draftCR For: Endorsement  
 38.101-1 v17.0.0  
 Source: China Unicom*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100494 CR on Introducing NR inter-band CA for 3DL Bands and 1UL band for 38.101-1**

*Type: CR For: Agreement  
 38.101-1 v17.0.0 CR-0617 Cat: B (Rel-17)  
  
 Source: CATT*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100495 CR on Introducing NR inter-band CA for 3DL Bands and 1UL band for 38.101-3**

*Type: CR For: Agreement  
 38.101-3 v17.0.0 CR-0442 Cat: B (Rel-17)  
  
 Source: CATT*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100497 Correction on supported channel bandwidth for n79**

*Type: CR For: Agreement  
 38.101-3 v16.6.0 CR-0443 Cat: F (Rel-16)  
  
 Source: CATT*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100498 Correction on supported channel bandwidth for n79**

*Type: CR For: Agreement  
 38.101-3 v17.0.0 CR-0444 Cat: A (Rel-17)  
  
 Source: CATT*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100683 Correction on supported channel bandwidth for CA\_n39-n41-n79**

*Type: CR For: Agreement  
 38.101-1 v16.6.0 CR-0626 Cat: F (Rel-16)  
  
 Source: CATT, CMCC*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100684 Correction on supported channel bandwidth for CA\_n39-n41-n79**

*Type: CR For: Agreement  
 38.101-1 v17.0.0 CR-0627 Cat: A (Rel-17)  
  
 Source: CATT, CMCC*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100738 TP to TR 38.717-03-01 CA\_n5-n25-n77**

*Type: other For: Approval  
 38.717-03-01 v..  
 Source: Nokia, Nokia Shanghai Bell*

**Abstract:**

In this contribution, a text proposal to complete 3DL/1UL NR CA configuration CA\_n5A-n25A-n77A is provided.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100739 TP to TR 38.717-03-01 CA\_n25-n66-n77**

*Type: other For: Approval  
 38.717-03-01 v..  
 Source: Nokia, Nokia Shanghai Bell*

**Abstract:**

In this contribution, a text proposal to complete 3DL/1UL NR CA configuration CA\_n25A-n66A-n77A is provided.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100952 TP for TR 38.717-03-01: CA\_n3-n18-n41**

*Type: pCR For: Approval  
 38.717-03-01 v0.2.0  
 Source: Samsung, KDDI*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100953 TP for TR 38.717-03-01: CA\_n3A-n28A-n77(2A)**

*Type: pCR For: Approval  
 38.717-03-01 v0.2.0  
 Source: Samsung, KDDI*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100954 TP for TR 38.717-03-01: CA\_n3A-n28A-n78(2A)**

*Type: pCR For: Approval  
 38.717-03-01 v0.2.0  
 Source: Samsung, KDDI*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100955 TP for TR 38.717-03-01: CA\_n3A-n41A-n77(2A)**

*Type: pCR For: Approval  
 38.717-03-01 v0.2.0  
 Source: Samsung, KDDI*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100956 TP for TR 38.717-03-01: CA\_n3A-n41A-n78(2A)**

*Type: pCR For: Approval  
 38.717-03-01 v0.2.0  
 Source: Samsung, KDDI*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100957 TP for TR 38.717-03-01: CA\_n28A-n41A-n77(2A)**

*Type: pCR For: Approval  
 38.717-03-01 v0.2.0  
 Source: Samsung, KDDI*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100958 TP for TR 38.717-03-01: CA\_n28A-n41A-n78(2A)**

*Type: pCR For: Approval  
 38.717-03-01 v0.2.0  
 Source: Samsung, KDDI*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100979 TP for TR 38.717-03-01: CA\_n13-n25-n66**

*Type: pCR For: Approval  
 38.717-03-01 v0.2.0  
 Source: Samsung, TELUS, Bell mobility*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100980 TP for TR 38.717-03-01: CA\_n25A-n29A-n66A**

*Type: pCR For: Approval  
 38.717-03-01 v0.2.0  
 Source: Samsung, TELUS, Bell mobility*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101113 TP for TR 38.717-03-01: support of CA\_n1-n78-n257**

*Type: pCR For: Approval  
 38.717-03-01 v0.1.0  
 Source: CHTTL*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101188 TP for CA\_n28-n77-n79 for TR 38.717-03-01**

*Type: pCR For: Approval  
 38.717-03-01 v0.1.0  
 Source: NTT DOCOMO INC.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101189 TP for CA\_n28-n78-n79 for TR 38.717-03-01**

*Type: pCR For: Approval  
 38.717-03-01 v0.1.0  
 Source: NTT DOCOMO INC.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101595 DraftCR for 38.101-1 to add BCS1 for CA\_n1A-n8A-n78A**

*Type: draftCR For: Endorsement  
 38.101-1 v17.0.0  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101596 TP for TR 38.717-03-01: CA\_n1A-n8A-n79A**

*Type: pCR For: Approval  
 38.717-03-01 v0.2.0  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101597 Updated TP for TR 38.717-03-01: to add configuration CA\_n1A-n78(2A)-n79A and CA\_n1A-n78A-n79A\_BCS1**

*Type: pCR For: Approval  
 38.717-03-01 v0.2.0  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101598 TP for TR 38.717-03-01: CA\_n8A-n78A-n79A/CA\_n8A-n78(2A)-n79A**

*Type: pCR For: Approval  
 38.717-03-01 v0.2.0  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102217 TP for TR38.717-03-01\_ CA\_n8A-n39A-n41A**

*Type: pCR For: Approval  
 38.717-03-01 v0.2.0  
 Source: ZTE Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

### 9.10 NR Inter-band Carrier Aggregation for 4 bands DL with 1 band UL [NR\_CA\_R17\_4BDL\_1BUL]

#### 9.10.1 Rapporteur Input (WID/TR/CR) [NR\_CA\_R17\_4BDL\_1BUL-Core/Per]

**R4-2101885 Revised WID 4 bands NR CA Rel-17**

*Type: WID revised For: Endorsement  
 Source: Ericsson*

**Abstract:**

Revised WID 4 bands NR CA Rel-17

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101889 CR introduction completed band combinations NR Inter-band 4 bands CA -> 38.101-1**

*Type: CR For: Agreement  
 38.101-1 v17.0.0 CR-0658 Cat: B (Rel-17)  
  
 Source: Ericsson*

**Abstract:**

CR introduction completed band combinations NR Inter-band 4 bands CA -> 38.101-1

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101890 CR introduction completed band combinations NR Inter-band 4 bands CA -> 38.101-3**

*Type: CR For: Agreement  
 38.101-3 v17.0.0 CR-0472 Cat: B (Rel-17)  
  
 Source: Ericsson*

**Abstract:**

CR introduction completed band combinations NR Inter-band 4 bands CA -> 38.101-3

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101893 TR 38.717-04-01 v0.3.0 Rel-17 NR Inter-band 4 bands CA**

*Type: draft TR For: Agreement  
 38.717-04-01 v0.2.0  
 Source: Ericsson*

**Abstract:**

TR 38.717-04-01 v0.3.0 Rel-17 NR Inter-band 4 bands CA

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

#### 9.10.2 UE RF [NR\_CA\_R17\_4BDL\_1BUL-Core]

**R4-2101904 TP for TR 38.717-04-01 to include CA\_n41-n66-n71-n77**

*Type: pCR For: Approval  
 38.717-04-01 v0.2.0  
 Source: Ericsson, T-Mobile US*

**Abstract:**

TP for TR 38.717-04-01 to include CA\_n41-n66-n71-n77

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

### 9.11 NR Inter-band Carrier Aggregation/Dual connectivity for 3 bands DL with 2 bands UL [NR\_CADC\_R17\_3BDL\_2BUL]

#### 9.11.1 Rapporteur Input (WID/TR/CR) [NR\_CADC\_R17\_3BDL\_2BUL-Core/Per]

**R4-2102225 Revised WID on Rel-17 NR Inter-band Carrier AggregationDual Connectivity for 3 bands DL with 2 bands UL**

*Type: WID revised For: Approval  
 Source: ZTE Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102226 CR to reflect the completed NR inter band CA DC combinations for 3 bands DL with 2 bands UL into TS 38.101-1**

*Type: draftCR For: Endorsement  
 38.101-1 v17.0.0  
 Source: ZTE Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102227 CR to reflect the completed NR inter band CA DC combinations for 3 bands DL with 2 bands UL into TS 38.101-3**

*Type: draftCR For: Endorsement  
 38.101-3 v17.0.0  
 Source: ZTE Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102305 TR 38.717-03-02 v0.3.0**

*Type: draft TR For: Agreement  
 38.717-03-02 v0.3.0  
 Source: ZTE Wistron Telecom AB*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

#### 9.11.2 UE RF [NR\_CADC\_R17\_3BDL\_2BUL-Core]

**R4-2100153 Draft CR Addition of BCS1 for CA\_n25A-n71(2A), CA\_n41(2A)-n66A and CA\_n66A-n71(2A)**

*Type: draftCR For: Endorsement  
 38.101-1 v17.0.0  
 Source: Nokia, T-Mobile USA*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100157 TP to TR 38.717-03-02: CA\_n25-n41-n66**

*Type: pCR For: Approval  
 38.717-03-02 v0.2.0  
 Source: Nokia, T-Mobile USA*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100158 TP to TR 38.717-03-02: CA\_n25-n41-n71**

*Type: pCR For: Approval  
 38.717-03-02 v0.2.0  
 Source: Nokia, T-Mobile USA*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100698 Draft CR for TS 38.101-1: Support of DC\_ n3-n28-n77**

*Type: draftCR For: Endorsement  
 38.101-1 v17.0.0  
 Source: SoftBank Corp.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100700 Draft CR for TS 38.101-3: Support of n77(2A) in DC\_ n28-n77-n257**

*Type: draftCR For: Endorsement  
 38.101-3 v17.0.0  
 Source: SoftBank Corp.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100740 TP to TR 38.717-03-02 CA\_n5-n25-n77**

*Type: other For: Approval  
 38.717-03-02 v..  
 Source: Nokia, Nokia Shanghai Bell*

**Abstract:**

In this contribution, a text proposal to complete 3DL/2UL NR CA configuration CA\_n5A-n25A-n77A is provided.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100741 TP to TR 38.717-03-02 CA\_n25-n66-n77**

*Type: other For: Approval  
 38.717-03-02 v..  
 Source: Nokia, Nokia Shanghai Bell*

**Abstract:**

In this contribution, a text proposal to complete 3DL/2UL NR CA configuration CA\_n25A-n66A-n77A is provided.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100959 TP for TR 38.717-03-02: CA\_n3-n28-n78**

*Type: pCR For: Approval  
 38.717-03-02 v0.2.0  
 Source: Samsung, KDDI*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100960 TP for TR 38.717-03-02: DC\_n3-n41-n257**

*Type: pCR For: Approval  
 38.717-03-02 v0.2.0  
 Source: Samsung, KDDI*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100961 TP for TR 38.717-03-02: DC\_n28-n41-n257**

*Type: pCR For: Approval  
 38.717-03-02 v0.2.0  
 Source: Samsung, KDDI*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100962 TP for TR 38.717-03-02: DC\_n41-n77-n257**

*Type: pCR For: Approval  
 38.717-03-02 v0.2.0  
 Source: Samsung, KDDI*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100963 TP for TR 38.717-03-02: DC\_n41-n78-n257**

*Type: pCR For: Approval  
 38.717-03-02 v0.2.0  
 Source: Samsung, KDDI*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100964 TP for TR 38.717-03-02: CA\_n3-n18-n41**

*Type: pCR For: Approval  
 38.717-03-02 v0.2.0  
 Source: Samsung, KDDI*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100965 TP for TR 38.717-03-02: CA\_n3-n28-n41**

*Type: pCR For: Approval  
 38.717-03-02 v0.2.0  
 Source: Samsung, KDDI*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100966 TP for TR 38.717-03-02: CA\_n3-n28-n77**

*Type: pCR For: Approval  
 38.717-03-02 v0.2.0  
 Source: Samsung, KDDI*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100967 TP for TR 38.717-03-02: CA\_n3-n41-n77**

*Type: pCR For: Approval  
 38.717-03-02 v0.2.0  
 Source: Samsung, KDDI*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100968 TP for TR 38.717-03-02: CA\_n3-n41-n78**

*Type: pCR For: Approval  
 38.717-03-02 v0.2.0  
 Source: Samsung, KDDI*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100969 TP for TR 38.717-03-02: CA\_n28-n41-n77**

*Type: pCR For: Approval  
 38.717-03-02 v0.2.0  
 Source: Samsung, KDDI*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100970 TP for TR 38.717-03-02: CA\_n28-n41-n78**

*Type: pCR For: Approval  
 38.717-03-02 v0.2.0  
 Source: Samsung, KDDI*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100981 TP for TR 38.717-03-02: CA\_n25-n29-n66**

*Type: pCR For: Approval  
 38.717-03-02 v0.2.0  
 Source: Samsung, TELUS, Bell mobility*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100982 TP for TR 38.717-03-02: CA\_n13-n25-n66**

*Type: pCR For: Approval  
 38.717-03-02 v0.2.0  
 Source: Samsung, TELUS, Bell mobility*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101158 MSD evaluation for CA 3DL2UL n1-n77-n79 for TR 38.717-03-02**

*Type: other For: Approval  
 Source: Qualcomm Incorporated*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101198 draft CR to TS 38.101-1 Modification of MSD values for n1-n77-n79 and n1-n78-n79**

*Type: draftCR For: Endorsement  
 38.101-1 v17.0.0  
 Source: NTT DOCOMO INC.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101513 TP for TR 38.717-03-02: CA\_n66-n71-n78**

*Type: pCR For: Approval  
 38.717-03-01 v0.3.0  
 Source: Huawei, HiSilicon, Bell Mobility, Telus*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101514 TP for TR 38.717-03-02: CA\_n38A-n66A-n78A**

*Type: pCR For: Approval  
 38.717-03-01 v0.3.0  
 Source: Huawei, HiSilicon, Bell Mobility, Telus*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101515 TP for TR 38.717-03-02: CA\_n25A-n38A-n78A**

*Type: pCR For: Approval  
 38.717-03-01 v0.3.0  
 Source: Huawei, HiSilicon, Bell Mobility, Telus*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101902 TP for 38.717-03-02 to include n25-n66-n71**

*Type: pCR For: Approval  
 38.717-03-02 v0.2.0  
 Source: Ericsson, T-Mobile US*

**Abstract:**

TP for 38.717-03-02 to include n25-n66-n71

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101903 TP for 38.717-03-02 to include n41-n66-n71**

*Type: pCR For: Approval  
 38.717-03-02 v0.2.0  
 Source: Ericsson, T-Mobile US*

**Abstract:**

TP for 38.717-03-02 to include n41-n66-n71

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102316 TP for 38.717-03-02 to include n25-n41-n66**

*Type: pCR For: Approval  
 38.717-03-02 v0.2.0  
 Source: Ericsson, Bell Mobility*

**Abstract:**

TP for 38.717-03-02 to include n25-n41-n66

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

### 9.12 DC of x bands (x=1,2) LTE inter-band CA (xDL/xUL) and y bands (y=3-x) NR inter-band CA [DC\_R17\_xBLTE\_yBNR\_3DL3UL]

#### 9.12.1 Rapporteur Input (WID/TR/CR) [DC\_R17\_xBLTE\_yBNR\_3DL3UL-Core/Per]

**R4-2102228 Revised WID on Rel-17 Dual Connectivity (DC) x bands (x=1,2) LTE inter-band CA (xDL/xUL) and y bands (y=3-x) NR inter-band CA**

*Type: WID revised For: Approval  
 Source: ZTE Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102229 CR to reflect the completed ENDC combinations for 3 bands DL with 3 bands UL into TS 38.101-3**

*Type: draftCR For: Endorsement  
 38.101-3 v17.0.0  
 Source: ZTE Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102230 TR 37.717-33 v0.2.0**

*Type: draft TR For: Agreement  
 37.717-33 v0.1.0  
 Source: ZTE Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

#### 9.12.2 UE RF [DC\_R17\_xBLTE\_yBNR\_3DL3UL-Core]

**R4-2102218 TP for TR 37.717-33\_DC\_40A\_n41A-n258A**

*Type: pCR For: Approval  
 37.717-33 v0.1.0  
 Source: ZTE Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

### 9.13 DC of x bands (x=1,2,3) LTE inter-band CA (xDL/1UL) and 3 bands NR inter-band CA (3DL/1UL) [DC\_R17\_xBLTE\_3BNR\_yDL2UL]

#### 9.13.1 Rapporteur Input (WID/TR/CR) [DC\_R17\_xBLTE\_3BNR\_yDL2UL -Core/Per]

**R4-2102231 Revised WID on Rel-17 Dual Connectivity (DC) of x bands (x=1,2,3) LTE inter-band CA (xDL1UL) and 3 bands NR inter-band CA (3DL1UL)**

*Type: WID revised For: Approval  
 Source: ZTE Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102232 TR 37.717-11-31\_v0.3.0**

*Type: draft TR For: Agreement  
 37.717-11-31 v0.2.0  
 Source: ZTE Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

#### 9.13.2 UE RF [DC\_R17\_xBLTE\_3BNR\_yDL2UL-Core]

**R4-2100669 TP for TR 37.717-11-31: EN-DC\_11\_n3-n28-n77**

*Type: pCR For: Approval  
 37.717-11-31 v0.1.0  
 Source: SoftBank Corp.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100670 TP for TR 37.717-11-31: EN-DC\_42\_n3-n28-n77**

*Type: pCR For: Approval  
 37.717-11-31 v0.1.0  
 Source: SoftBank Corp.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100681 TP for TR 37.717-11-31: EN-DC\_1-8\_n3-n28-n77**

*Type: pCR For: Approval  
 37.717-11-31 v0.1.0  
 Source: SoftBank Corp.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100682 TP for TR 37.717-11-31: EN-DC\_1-11\_n3-n28-n77**

*Type: pCR For: Approval  
 37.717-11-31 v0.1.0  
 Source: SoftBank Corp.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100685 TP for TR 37.717-11-31: EN-DC\_1-42\_n3-n28-n77**

*Type: pCR For: Approval  
 37.717-11-31 v0.1.0  
 Source: SoftBank Corp.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100686 TP for TR 37.717-11-31: EN-DC\_8-11\_n3-n28-n77**

*Type: pCR For: Approval  
 37.717-11-31 v0.1.0  
 Source: SoftBank Corp.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100687 TP for TR 37.717-11-31: EN-DC\_8-42\_n3-n28-n77**

*Type: pCR For: Approval  
 37.717-11-31 v0.1.0  
 Source: SoftBank Corp.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100690 TP for TR 37.717-11-31: EN-DC\_1-8-11\_n3-n28-n77**

*Type: pCR For: Approval  
 37.717-11-31 v0.1.0  
 Source: SoftBank Corp.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100691 TP for TR 37.717-11-31: EN-DC\_1-8-42\_n3-n28-n77**

*Type: pCR For: Approval  
 37.717-11-31 v0.1.0  
 Source: SoftBank Corp.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101019 TP for DC\_1A\_n28A-n77A-n79A for TR37.717-11-31**

*Type: pCR For: Approval  
 37.717-11-31 v0.2.0  
 Source: NTT DOCOMO, INC.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101020 TP for DC\_1A\_n28A-n78A-n79A for TR37.717-11-31**

*Type: pCR For: Approval  
 37.717-11-31 v0.2.0  
 Source: NTT DOCOMO, INC.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101021 TP for DC\_3A\_n1A-n77A-n79A for TR37.717-11-31**

*Type: pCR For: Approval  
 37.717-11-31 v0.2.0  
 Source: NTT DOCOMO, INC.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101022 TP for DC\_3A\_n1A-n78A-n79A for TR37.717-11-31**

*Type: pCR For: Approval  
 37.717-11-31 v0.2.0  
 Source: NTT DOCOMO, INC.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101023 TP for DC\_3A\_n28A-n77A-n79A for TR37.717-11-31**

*Type: pCR For: Approval  
 37.717-11-31 v0.2.0  
 Source: NTT DOCOMO, INC.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101024 TP for DC\_3A\_n28A-n78A-n79A for TR37.717-11-31**

*Type: pCR For: Approval  
 37.717-11-31 v0.2.0  
 Source: NTT DOCOMO, INC.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101025 TP for DC\_19A\_n1A-n77A-n79A for TR37.717-11-31**

*Type: pCR For: Approval  
 37.717-11-31 v0.2.0  
 Source: NTT DOCOMO, INC.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101026 TP for DC\_19A\_n1A-n78A-n79A for TR37.717-11-31**

*Type: pCR For: Approval  
 37.717-11-31 v0.2.0  
 Source: NTT DOCOMO, INC.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101027 TP for DC\_21A\_n1A-n77A-n79A for TR37.717-11-31**

*Type: pCR For: Approval  
 37.717-11-31 v0.2.0  
 Source: NTT DOCOMO, INC.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101028 TP for DC\_21A\_n1A-n78A-n79A for TR37.717-11-31**

*Type: pCR For: Approval  
 37.717-11-31 v0.2.0  
 Source: NTT DOCOMO, INC.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101029 TP for DC\_21A\_n28A-n77A-n79A for TR37.717-11-31**

*Type: pCR For: Approval  
 37.717-11-31 v0.2.0  
 Source: NTT DOCOMO, INC.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101030 TP for DC\_21A\_n28A-n78A-n79A for TR37.717-11-31**

*Type: pCR For: Approval  
 37.717-11-31 v0.2.0  
 Source: NTT DOCOMO, INC.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101031 TP for DC\_1A-3A\_n28A-n77A-n79A for TR37.717-11-31**

*Type: pCR For: Approval  
 37.717-11-31 v0.2.0  
 Source: NTT DOCOMO, INC.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101032 TP for DC\_1A-3A\_n28A-n78A-n79A for TR37.717-11-31**

*Type: pCR For: Approval  
 37.717-11-31 v0.2.0  
 Source: NTT DOCOMO, INC.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101033 TP for DC\_1A-21A\_n28A-n77A-n79A for TR37.717-11-31**

*Type: pCR For: Approval  
 37.717-11-31 v0.2.0  
 Source: NTT DOCOMO, INC.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101034 TP for DC\_1A-21A\_n28A-n78A-n79A for TR37.717-11-31**

*Type: pCR For: Approval  
 37.717-11-31 v0.2.0  
 Source: NTT DOCOMO, INC.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101035 TP for DC\_3A-21A\_n1A-n77A-n79A for TR37.717-11-31**

*Type: pCR For: Approval  
 37.717-11-31 v0.2.0  
 Source: NTT DOCOMO, INC.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101036 TP for DC\_3A-21A\_n1A-n78A-n79A for TR37.717-11-31**

*Type: pCR For: Approval  
 37.717-11-31 v0.2.0  
 Source: NTT DOCOMO, INC.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101037 TP for DC\_3A-21A\_n28A-n77A-n79A for TR37.717-11-31**

*Type: pCR For: Approval  
 37.717-11-31 v0.2.0  
 Source: NTT DOCOMO, INC.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101038 TP for DC\_3A-21A\_n28A-n78A-n79A for TR37.717-11-31**

*Type: pCR For: Approval  
 37.717-11-31 v0.2.0  
 Source: NTT DOCOMO, INC.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101039 TP for DC\_19A-42A\_n1A-n77A-n79A for TR37.717-11-31**

*Type: pCR For: Approval  
 37.717-11-31 v0.2.0  
 Source: NTT DOCOMO, INC.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101040 TP for DC\_19A-42A\_n1A-n78A-n79A for TR37.717-11-31**

*Type: pCR For: Approval  
 37.717-11-31 v0.2.0  
 Source: NTT DOCOMO, INC.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101186 TP for DC\_42A\_n1A-n77A-n79A for TR37.717-11-31**

*Type: pCR For: Approval  
 37.717-11-31 v0.1.0  
 Source: NTT DOCOMO INC.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101187 TP for DC\_42A\_n1A-n78A-n79A for TR37.717-11-31**

*Type: pCR For: Approval  
 37.717-11-31 v0.1.0  
 Source: NTT DOCOMO INC.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102219 TP for 37.717-11-31\_ DC\_8A\_n39A-n40A-n41A**

*Type: pCR For: Approval  
 37.717-11-31 v0.2.0  
 Source: ZTE Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

### 9.14 NR inter-band Carrier Aggregation and Dual connectivity for DL 4 bands and 2UL bands [NR\_CADC\_R17\_4BDL\_2BUL]

#### 9.14.1 Rapporteur Input (WID/TR/CR) [NR\_CADC\_R17\_4BDL\_2BUL -Core/Per]

**R4-2100990 CR on introduction of completed NR CA/DC combs with 4DL/2UL within FR1**

*Type: CR For: Agreement  
 38.101-1 v17.0.0 CR-0636 Cat: B (Rel-17)  
  
 Source: Samsung*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100991 CR on introduction of completed NR CA/DC combs with 4DL/2UL including FR2**

*Type: CR For: Agreement  
 38.101-3 v17.0.0 CR-0454 Cat: B (Rel-17)  
  
 Source: Samsung*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100992 Revised WID on NR CA/DC with 4DL/2UL**

*Type: WID revised For: Information  
 Source: Samsung*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101482 TR38.717-04-02 update version 0.3.0**

*Type: draft TR For: Agreement  
 38.717-04-02 v0.2.0  
 Source: Samsung R&D Institute India*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

#### 9.14.2 UE RF [NR\_CADC\_R17\_4BDL\_2BUL -Core]

**R4-2100701 Draft CR for TS 38.101-3: Support of UL CA in CA\_n3-n28-n77-n257**

*Type: draftCR For: Endorsement  
 38.101-3 v17.0.0  
 Source: SoftBank Corp.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100971 TP for TR 38.717-04-02: CA\_n3-n28-n41-n77**

*Type: pCR For: Approval  
 38.717-04-02 v0.2.0  
 Source: Samsung, KDDI*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100972 TP for TR 38.717-04-02: CA\_n3-n28-n41-n78**

*Type: pCR For: Approval  
 38.717-04-02 v0.2.0  
 Source: Samsung, KDDI*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101905 TP for TR 38.717-04-02 to include CA\_n41-n66-n71-n77**

*Type: pCR For: Approval  
 38.717-04-02 v0.2.0  
 Source: Ericsson, T-Mobile US*

**Abstract:**

TP for TR 38.717-04-02 to include CA\_n41-n66-n71-n77

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101906 TP for TR 38.717-04-02 to include CA\_n25-n41-n66-n71**

*Type: pCR For: Approval  
 38.717-04-02 v0.2.0  
 Source: Ericsson, T-Mobile US*

**Abstract:**

TP for TR 38.717-04-02 to include CA\_n25-n41-n66-n71

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

### 9.15 NR inter-band CA for 5 bands DL with x bands UL (x=1, 2) [NR\_CADC\_R17\_5BDL\_xBUL\_3DL3UL]

#### 9.15.1 Rapporteur Input (WID/TR/CR) [NR\_CADC\_R17\_5BDL\_xBUL -Core/Per]

**R4-2100295 Revised WID on NR inter-band CA for 5 bands DL with x bands UL (x=1, 2)**

*Type: WID revised For: Endorsement  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100296 TR 38.717-05-01 v0.2.0**

*Type: draft TR For: Agreement  
 38.717-05-01 v0.1.0  
 Source: Huawei, HiSilicon*

**Abstract:**

To capture the approved TPs in this meeting

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100297 CR on Introduction of completed 5 bands inter-band CA into TS 38.101-1**

*Type: CR For: Agreement  
 38.101-1 v17.0.0 CR-0608 Cat: B (Rel-17)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

#### 9.15.2 UE RF [NR\_CADC\_R17\_5BDL\_xBUL -Core]

### 9.16 DC of 5 bands LTE inter-band CA (5DL/1L) and 1 NR band (1DL/1UL) [DC\_R17\_5BLTE\_1BNR\_6DL2UL]

#### 9.16.1 Rapporteur Input (WID/TR/CR) [DC\_R17\_5BLTE\_1BNR\_6DL2UL-Core/Per]

**R4-2100988 CR introduction completed band combinations for Dual Connectivity (DC) of 5 bands LTE inter-band CA (5DL/1UL) and 1 NR band (1DL/1UL)**

*Type: CR For: Agreement  
 38.101-3 v17.0.0 CR-0453 Cat: B (Rel-17)  
  
 Source: Samsung*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100989 Revised WID on Dual Connectivity (DC) of 5 bands LTE inter-band CA (5DL/1UL) and 1 NR band (1DL/1UL)**

*Type: WID revised For: Information  
 Source: Samsung*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101483 TR 37.717-51-11 update version 0.2.0**

*Type: draft TR For: Agreement  
 37.717-51-11 v0.1.0  
 Source: Samsung R&D Institute India*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

#### 9.16.2 UE RF [DC\_R17\_5BLTE\_1BNR\_6DL2UL-Core]

**R4-2100324 Draft CR for 38.101-3 to introduce new inter-band EN-DC (1NR band +5LTE band) within FR1 DC\_1A-3A-7A-8A-40A\_n78(2A)/DC\_1A-3A-7A-8A-40C\_n78(2A)**

*Type: draftCR For: Endorsement  
 38.101-3 v17.0.0  
 Source: Huawei,HiSilicon*

**Abstract:**

3HK's new band combination

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

### 9.17 DC of x bands (x=2,3,4) LTE inter-band CA (xDL/1UL) and 1 NR FR1 band (1DL/1UL) and 1 NR FR2 band (1DL/1UL) [DC\_R17\_xBLTE\_2BNR\_yDL3UL]

#### 9.17.1 Rapporteur Input (WID/TR/CR) [DC\_R17\_xBLTE\_2BNR\_yDL3UL-Core/Per]

**R4-2100986 CR introduction completed band combinations for Dual Connectivity (DC) of x bands (x=2,3,4) LTE inter-band CA (xDL/1UL) and 1 NR FR1 band (1DL/1UL) and 1 NR FR2 band (1DL/1UL)**

*Type: CR For: Agreement  
 38.101-3 v17.0.0 CR-0452 Cat: B (Rel-17)  
  
 Source: Samsung*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100987 Revised WID on Dual Connectivity (DC) of x bands (x=2,3,4) LTE inter-band CA (xDL/1UL) and 1 NR FR1 band (1DL/1UL) and 1 NR FR2 band (1DL/1UL)**

*Type: WID revised For: Information  
 Source: Samsung*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101486 TR 37.717-21-22 update version 0.2.0**

*Type: draft TR For: Agreement  
 37.717-21-22 v0.1.0  
 Source: Samsung R&D Institute India*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

#### 9.17.2 UE RF [DC\_R17\_xBLTE\_2BNR\_yDL3UL-Core]

### 9.18 SAR schemes for UE power class 2 (PC2) for NR inter-band Carrier Aggregation and supplemental uplink (SUL) configurations with 2 bands UL [NR\_SAR\_PC2\_interB\_SUL\_2BUL]

#### 9.18.1 General and Rapporteur Input (WID/TR/CR) [NR\_SAR\_PC2\_interB\_SUL\_2BUL-Core/Per]

**R4-2101109 MSD analysis on high power UE for CA\_n41-n79**

*Type: discussion For: Approval  
 Source: Xiaomi, ZTE Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101122 CR to 38.307 Release independence for UE power class 2 NR inter-band CA and SUL configurations (R15)**

*Type: CR For: Agreement  
 38.307 v15.7.0 CR-0049 Cat: B (Rel-15)  
  
 Source: China Telecom*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101123 CR to 38.307 Release independence for UE power class 2 NR inter-band CA and SUL configurations (R16)**

*Type: CR For: Agreement  
 38.307 v16.5.0 CR-0050 Cat: B (Rel-16)  
  
 Source: China Telecom*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101124 CR to 38.307 Release independence for UE power class 2 NR inter-band CA and SUL configurations (R17)**

*Type: CR For: Agreement  
 38.307 v17.0.0 CR-0051 Cat: B (Rel-17)  
  
 Source: China Telecom*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

#### 9.18.2 PC2 for inter-band CA [NR\_SAR\_PC2\_interB\_SUL\_2BUL-Core]

**R4-2100100 Discussion on SAR issues for PC2 NR inter-band CA and SUL configurations**

*Type: discussion For: Discussion  
 Source: CMCC*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101101 Discussion on SAR issue for HP UE inter-band UL CA**

*Type: other For: Approval  
 Source: Xiaomi*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101117 Discussion on SAR schemes for UE power class 2 NR inter-band CA with 2UL**

*Type: discussion For: Discussion  
 Source: China Telecom*

**Abstract:**

.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101119 draft CR to 38.101-1 Introduce SAR solution for UE power class 2 NR inter-band CA with 2UL**

*Type: draftCR For: Endorsement  
 38.101-1 v17.0.0  
 Source: China Telecom*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101726 Methods for faciliating SAR compliance for inter-band UL CA**

*Type: other For: Approval  
 Source: Ericsson*

**Abstract:**

In this contribution we propose that duty-cycle reporting is not specified. Power limits combined with the P-MPR method should be used instead. We also discuss power prioritization and PHR for HPUE.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101752 Discussion on inter-band CA HPUE SAR**

*Type: discussion For: Approval  
 Source: OPPO*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102139 Further discussion on SAR solution for NR PC2 inter-band CA**

*Type: other For: Approval  
 Source: ZTE Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **withdrawn**.

**R4-2102190 Further discussion on SAR solution for NR PC2 inter-band CA**

*Type: other For: Approval  
 Source: ZTE Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102287 On the SAR solutions for UL CA band combinations**

*Type: discussion For: Approval  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102712 Discussion on SAR solution for PC2 inter-band NR CA**

*Type: discussion For: Discussion  
 Source: vivo*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

#### 9.18.3 PC2 for SUL [NR\_SAR\_PC2\_interB\_SUL\_2BUL-Core]

**R4-2101102 Discussion on SAR issue for NR PC2 SUL**

*Type: other For: Approval  
 Source: Xiaomi*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101118 Discussion on SAR schemes for UE power class 2 NR SUL configurations**

*Type: discussion For: Discussion  
 Source: China Telecom*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101120 draft CR to 38.101-1 Introduce SAR solution for UE power class 2 NR SUL configurations**

*Type: draftCR For: Endorsement  
 38.101-1 v17.0.0  
 Source: China Telecom*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102140 Further discussion on SAR solution for NR PC2 SUL**

*Type: other For: Approval  
 Source: ZTE Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **withdrawn**.

**R4-2102191 Further discussion on SAR solution for NR PC2 SUL**

*Type: other For: Approval  
 Source: ZTE Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102289 On the SAR solutions for SUL band combinations**

*Type: discussion For: Approval  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

#### 9.18.4 Others [NR\_SAR\_PC2\_interB\_SUL\_2BUL-Core]

**R4-2100372 Discussion on inter-band 2UL CA Pcmax upper limit**

*Type: discussion For: Discussion  
 Source: CATT*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101121 Discussion on release independence for UE power class 2 NR inter-band CA and SUL configurations**

*Type: discussion For: Discussion  
 Source: China Telecom*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102414 Increasing UE maximum output power**

*Type: discussion For: Approval  
 Source: Qualcomm Incorporated*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

### 9.19 High power UE (power class 2) for NR inter-band Carrier Aggregation with 2 bands downlink and 2 bands uplink [NR\_PC2\_CA\_R17\_2BDL\_2BUL]

#### 9.19.1 Rapporteur Input (WID/TR/CR) [NR\_PC2\_CA\_R17\_2BDL\_2BUL-Core/Per]

**R4-2101125 Draft TR 38.xxx v0.2.0: High power UE for NR inter-band Carrier Aggregation with 2 bands downlink and x bands uplink (x =1,2)**

*Type: other For: Agreement  
 Source: China Telecom*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101126 Revised WID: High power UE for NR inter-band Carrier Aggregation with 2 bands downlink and x bands uplink (x =1,2)**

*Type: WID revised For: Endorsement  
 Source: China Telecom*

**Abstract:**

update the WI code according to MCC suggestion and the target competion time

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

#### 9.19.2 UE RF [NR\_PC2\_CA\_R17\_2BDL\_2BUL-Core]

**R4-2100273 TP for TR38.xxx for PC2 CA\_n2A-n77A**

*Type: discussion For: Approval  
 Source: Verizon Denmark*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100274 TP for TR38.xxx for PC2 CA\_n5A-n77A**

*Type: discussion For: Approval  
 Source: Verizon Denmark*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100276 TP for TR38.xxx for PC2 CA\_n66A-n77A**

*Type: discussion For: Approval  
 Source: Verizon Denmark*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100285 Self interference analysis and MSD results for PC2 NR inter-band CA band combinations**

*Type: other For: Approval  
 Source: LG Electronics France*

**Abstract:**

Provide MSD results for PC2 NR inter-band CA band combos

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102220 TP for TR38.xxx\_Clarification on PC2 CA\_n28A-n41A, CA\_n28-n79A and CA\_n40A-41A**

*Type: other For: Approval  
 Source: ZTE Corporation, CMCC*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102221 TP for TR38.xxx\_ PC2 CA\_n41A-n79A**

*Type: other For: Approval  
 Source: ZTE Corporation, CMCC, Xiaomi*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102713 Discussion on PC2 MSD for UL CA**

*Type: discussion For: Discussion  
 Source: vivo*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

### 9.20 High power UE (power class 2) for EN-DC with 1 LTE band + 1 NR TDD band [ENDC\_UE\_PC2\_R17\_NR\_TDD]

#### 9.20.1 Rapporteur Input (WID/TR/CR) [ENDC\_UE\_PC2\_R17\_NR\_TDD -Core/Per]

**R4-2100082 Big CR on introduction of completed PC2 for EN-DC with 1 LTE band + 1 NR TDD band**

*Type: CR For: Agreement  
 38.101-3 v17.0.0 CR-0432 Cat: B (Rel-17)  
  
 Source: China Unicom*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100083 Revised WID on High power UE (power class 2) for EN-DC with 1 LTE band + 1 NR TDD band**

*Type: WID revised For: Endorsement  
 Source: China Unicom*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100084 TR 37.826 v0.2.0 ENDC\_UE\_PC2\_R17\_NR\_TDD**

*Type: draft TR For: Agreement  
 37.826 v0.2.0  
 Source: China Unicom*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

#### 9.20.2 UE RF [ENDC\_UE\_PC2\_R17\_NR\_TDD -Core]

**R4-2100266 TP for TR 37.826 for DC\_2\_n77**

*Type: discussion For: Approval  
 Source: Verizon Denmark*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100268 TP for TR 37.826 for DC\_5\_n77**

*Type: discussion For: Approval  
 Source: Verizon Denmark*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100269 TP for TR 37.826 for DC\_13\_n77**

*Type: discussion For: Approval  
 Source: Verizon Denmark*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100271 TP for TR 37.826 for DC\_66\_n77**

*Type: discussion For: Approval  
 Source: Verizon Denmark*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100286 MSD for PC2 high power NR DC (with 1 LTE FDD band + 1 NR TDD band) UE**

*Type: other For: Approval  
 Source: LG Electronics France*

**Abstract:**

Provide MSD results for PC2 NR DC (with 1 LTE FDD band + 1 NR TDD band) UE in Rel-17

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101184 Discussion on UE capability for improved PC2 MSD for EN-DC**

*Type: discussion For: Approval  
 Source: CHTTL*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102415 MSD for PC2 EN-DC and UL CA**

*Type: discussion For: Discussion  
 Source: Qualcomm Incorporated*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

### 9.21 Adding channel bandwidth support to existing NR bands [NR\_bands\_R17\_BWs]

#### 9.21.1 General and Rapporteur Input (WID/TR/CR) [NR\_bands\_R17\_BWs -Core/Per]

**R4-2102163 Revised Basket WID on adding channel bandwidth support to existing NR bands**

*Type: WID revised For: Endorsement  
 Source: Ericsson*

**Abstract:**

This contribution is the revision of the basket WI to include the new requests received before RAN4#97e meeting and update status of previous requests

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102164 Big CR to TS 38.104 - New CBW Basket WI**

*Type: CR For: Agreement  
 38.104 v17.0.0 CR-0291 Cat: B (Rel-17)  
  
 Source: Ericsson*

**Abstract:**

This big CR collects all draft CRs to TS 38.104 endorsed in the scope of the new CBW basket WI

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102165 Big CR to TS 38.101-1 - New CBW Basket WI**

*Type: CR For: Agreement  
 38.101-1 v17.0.0 CR-0670 Cat: F (Rel-17)  
  
 Source: Ericsson*

**Abstract:**

This big CR collects all draft CRs to TS 38.101-1 endorsed in the scope of the new CBW basket WI

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102168 Basket WID on new CBW - Rapporteur's update**

*Type: discussion For: Discussion  
 Source: Ericsson*

**Abstract:**

This contribution is giving an update and notify about parallel discussion on the MSD analysis for CA combinations for the new CBW

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

#### 9.21.2 UE RF requirement [NR\_bands\_R17\_BWs -Core]

**R4-2101521 Adding 90 and 100MHz bandwidth for band n40**

*Type: other For: Approval  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

##### 9.21.2.1 Reference sensitivity [NR\_bands\_R17\_BWs -Core]

**R4-2101815 Discussion on the larger channel bandwidth for band n2**

*Type: other For: Approval  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102166 New channel BW in bands n2, n5 and n48 - A-MPR**

*Type: other For: Approval  
 Source: Ericsson*

**Abstract:**

This contribution is discussing the A-MPR impact when introducing the request channel BW in bands n2, n5 and n48

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

##### 9.21.2.2 MPR/A-MPR/NS signaling [NR\_bands\_R17\_BWs -Core]

**R4-2100132 n48 30 MHz A-MPR simulation results**

*Type: discussion For: Discussion  
 Source: Nokia*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100133 CR introduction of 30 MHz for n48**

*Type: CR For: Agreement  
 38.101-1 v17.0.0 CR-0592 Cat: B (Rel-17)  
  
 Source: Nokia, Dish Network, Skyworks Inc*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102167 New channel BW in bands n2, n5 and n48 - REFSENS**

*Type: other For: Approval  
 Source: Ericsson*

**Abstract:**

This contribution is discussing the UE REFSENS impact when introducing the request channel BW in bands n2, n5 and n48

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102929 UE-UE Coexistence for Asynchronous n40 n41 Networks**

*Type: discussion For: Approval  
 38.101-1 v..  
 Source: Skyworks Solutions Inc.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102931 UE-UE Coexistence for Asynchronous n40 n41 Networks**

*Type: discussion For: Approval  
 38.101-1 v..  
 Source: Skyworks Solutions Inc.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102932 n48 30MHz A-MPR Measurements**

*Type: discussion For: Approval  
 38.101-1 v..  
 Source: Skyworks Solutions Inc.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

##### 9.21.2.3 others [NR\_bands\_R17\_BWs -Core]

**R4-2100166 Co-existence challenges with NR-U 100MHz channel bandwidth and other technologies**

*Type: Work Plan For: Approval  
 Source: Charter Communications, Inc*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102900 NR-U Punctured Channel SEM for 100 MHz Bandwidth**

*Type: discussion For: Approval  
 Source: CableLabs*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

#### 9.21.3 BS RF requirement [NR\_bands\_R17\_BWs -Core]

### 9.22 Introduction of channel bandwidths 35MHz and 45MHz for NR [NR\_FR1\_35MHz\_45MHz\_BW]

#### 9.22.1 General and Rapporteur Input (WID/TR/CR) [NR\_FR1\_35MHz\_45MHz\_BW-Core/Per]

**R4-2101501 Consideration on the work plan on introduction of channel bandwidths 35MHz and 45MHz**

*Type: other For: Approval  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

#### 9.22.2 Spectrum utilization [NR\_FR1\_35MHz\_45MHz\_BW-Core]

**R4-2100753 Spectrum utilization with channel raster and PRB grid alignment**

*Type: other For: Approval  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102141 Further discussion on spectrum utilization for 35MHz and 45MHz**

*Type: other For: Approval  
 Source: ZTE Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **withdrawn**.

**R4-2102192 Further discussion on spectrum utilization for 35MHz and 45MHz**

*Type: other For: Approval  
 Source: ZTE Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

#### 9.22.3 UE RF requirements [NR\_FR1\_35MHz\_45MHz\_BW-Core]

**R4-2100516 A-MPR Proposal for n1 and 45MHz CBW**

*Type: discussion For: Approval  
 Source: Apple Inc.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100517 A-MPR Proposal for n2 and 35MHz CBW**

*Type: discussion For: Approval  
 Source: Apple Inc.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100518 A-MPR Proposal for n25 and 45MHz CBW**

*Type: discussion For: Approval  
 Source: Apple Inc.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100703 REFSENS of n8 and n71 for 35MHz channel bandwidth**

*Type: discussion For: Approval  
 Source: Murata Manufacturing Co Ltd.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100705 REFSENS of n25 for 45MHz channel bandwidth**

*Type: discussion For: Approval  
 Source: Murata Manufacturing Co Ltd.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101159 REFSENS evaluation of n8 and n71 for 35MHz channel bandwidth**

*Type: discussion For: Approval  
 38.101-1 v..  
 Source: Mediatek India Technology Pvt.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101177 35MHz 45MHz AMPR, MPR, REFSENS for n8, n71, and n25.**

*Type: other For: Approval  
 Source: Qualcomm Incorporated*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101502 UE REFSENS for 35 MHz and 45 MHz**

*Type: other For: Approval  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101503 CR for TS 38.101: introduction of channel bandwidths 35MHz and 45MHz**

*Type: draftCR For: Endorsement  
 38.101-1 v17.0.0  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102142 Introduction of 35MHz and 45 MHz bandwidths to TS38.101-1**

*Type: CR For: Agreement  
 38.101-1 v17.0.0 CR-0666 Cat: B (Rel-17)  
  
 Source: ZTE Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **withdrawn**.

**R4-2102193 Introduction of 35MHz and 45 MHz bandwidths to TS38.101-1**

*Type: CR For: Agreement  
 38.101-1 v17.0.0 CR-0671 Cat: B (Rel-17)  
  
 Source: ZTE Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102592 MSD considering asymmetric UL/DL for bands n8 and n71**

*Type: discussion For: Approval  
 Source: Apple Inc.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102606 CR for TS 38.101-1: UE RF requirements table simplification**

*Type: CR For: Agreement  
 38.101-1 v17.0.0 CR-0704 Cat: F (Rel-17)  
  
 Source: Apple*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102927 35MHz 45MHz REFSENS**

*Type: discussion For: Approval  
 Source: Skyworks Solutions Inc.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

#### 9.22.4 BS RF requirements [NR\_FR1\_35MHz\_45MHz\_BW-Core]

**R4-2101504 CR for TS 38.104: introduction of channel bandwidths 35MHz and 45MHz**

*Type: draftCR For: Endorsement  
 38.104 v17.0.0  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101505 CR for TS 37.141: introduction of channel bandwidths 35MHz and 45MHz**

*Type: draftCR For: Endorsement  
 37.141 v17.0.0  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101506 CR for TS 37.145-2: introduction of channel bandwidths 35MHz and 45MHz**

*Type: draftCR For: Endorsement  
 37.145-2 v17.0.0  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101559 CR to TS 37.105: Introduction of CBWs 35 MHz and 45 MHz**

*Type: CR For: Agreement  
 37.105 v17.0.0 CR-0219 Cat: B (Rel-17)  
  
 Source: Ericsson*

**Abstract:**

BS RF requirements for 35 MHz and 45 MHz channel bandwidths were added

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101560 CR to TS 38.141-1: Introduction of CBWs 35 MHz and 45 MHz**

*Type: CR For: Agreement  
 38.141-1 v17.0.0 CR-0191 Cat: B (Rel-17)  
  
 Source: Ericsson*

**Abstract:**

BS RF requirements for 35 MHz and 45 MHz channel bandwidths were added

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101986 CR to TS 38.141-2: Introduction of 35MHz and 45MHz**

*Type: CR For: Agreement  
 38.141-1 v17.0.0 CR-0197 Cat: B (Rel-17)  
  
 Source: ZTE Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101987 CR to 37.145-1: Introduction of 35MHz and 45MHz**

*Type: CR For: Agreement  
 37.145-1 v17.0.0 CR-0242 Cat: B (Rel-17)  
  
 Source: ZTE Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102484 CR to 37.104: Introduction of requirements for 35 and 45MHz channel bandwidths**

*Type: CR For: Agreement  
 37.104 v17.0.0 CR-0933 Cat: B (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

#### 9.22.5 Others [NR\_FR1\_35MHz\_45MHz\_BW-Core]

### 9.23 Band combinations for Uu and V2X con-current operation [NR\_LTE\_V2X\_PC5\_combos]

#### 9.23.1 General and Rapporteur Input (WID/TR/CR) [NR\_LTE\_V2X\_PC5\_combos-Core/Per]

**R4-2100412 TP on V2X\_n41A-n47A coexistence study**

*Type: pCR For: Approval  
 37.875 v0.0.0  
 Source: CATT*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100413 CR for TS 38.101-1, Introduce new band combination of V2X\_n41A-n47A**

*Type: CR For: Agreement  
 38.101-1 v17.0.0 CR-0616 Cat: B (Rel-17)  
  
 Source: CATT*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100414 CR for TS 38.101-3, Introduce new band combination of V2X\_41A-n47A and V2X\_n41A-47A**

*Type: CR For: Agreement  
 38.101-3 v17.0.0 CR-0441 Cat: B (Rel-17)  
  
 Source: CATT*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100502 TR 37.875 on band combinations for con-current operation of NR/LTE Uu bands/band combinations and one NR/LTE V2X PC5 band**

*Type: draft TR For: Agreement  
 37.875 v0.0.1  
 Source: CATT*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101290 Revised WID for V2X band combination**

*Type: WID revised For: Approval  
 Source: CATT*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

#### 9.23.2 UE RF requirement for concurrent operation between NR Uu band and NR PC5 band [NR\_LTE\_V2X\_PC5\_combos-Core]

**R4-2100617 Revision of inter-band V2X con-currency table for V2X\_n39A-n47A and V2X\_n40A-n47A**

*Type: CR For: Agreement  
 38.101-1 v17.0.0 CR-0625 Cat: F (Rel-17)  
  
 Source: Qualcomm Incorporated*

**Abstract:**

Removes n47 from protected band list for V2X\_n39A-n47A and V2X\_n40A-n47A

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

#### 9.23.3 UE RF requirement for concurrent operation between LTE Uu band and NR PC5 band [NR\_LTE\_V2X\_PC5\_combos-Core]

**R4-2100618 Revision of inter-band V2X con-currency table for V2X\_39\_n47 and V2X\_40\_n47**

*Type: CR For: Agreement  
 38.101-3 v17.0.0 CR-0446 Cat: F (Rel-17)  
  
 Source: Qualcomm Incorporated*

**Abstract:**

Removes n47 from protected band list for V2X\_39\_n47 and V2X\_40\_n47

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

#### 9.23.4 UE RF requirement for concurrent operation between NR Uu band and LTE PC5 band [NR\_LTE\_V2X\_PC5\_combos-Core]

#### 9.23.5 UE RF requirement for concurrent operation of LTE/NR CA/DC band combinations + PC5 V2X [NR\_LTE\_V2X\_PC5\_combos-Core]

### 9.24 Introduction of FR2 FWA UE with maximum TRP of 23dBm for band n257 and n258 [NR\_FR2\_FWA\_Bn257\_Bn258]

#### 9.24.1 UE RF (38.101-2) [NR\_FR2\_FWA\_Bn257\_Bn258-Core]

**R4-2100566 Views on RF requirement for FWA**

*Type: other For: Approval  
 Source: Sony, Ericsson*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100692 Proposals on FR2 PC5 beam correspondence**

*Type: discussion For: Approval  
 Source: MediaTek Beijing Inc.*

**Abstract:**

Proposal1: If FR2 power class 5 beam correspondence is required, both beam correspondence bit-0 and bit-1 requirement shall be defined.

Proposal2: As Table2, UE beam correspondence tolerance for FR2 power class 5:

• n257 = [3.0] dB at 85th %-tile ?EIRPBC

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101282 Beam correspondence requirements for FWA UE devices**

*Type: discussion For: Discussion  
 Source: Intel Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101753 Discussion on Rel-17 FWA beam correspondence**

*Type: discussion For: Approval  
 Source: OPPO*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102560 Beam correspondence of FWA device**

*Type: other For: Approval  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102631 on new FWA UE beam correspondence requirement**

*Type: other For: Approval  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102669 On PC5 beam correspondence requirement**

*Type: other For: Agreement  
 Source: Qualcomm Incorporated*

**Abstract:**

PC5 BC requirement proposal

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102670 CR to 38.807: Update for FR2 PC5**

*Type: CR For: Agreement  
 38.101-2 v15.12.0 CR-0338 Cat: F (Rel-15)  
  
 Source: Qualcomm Incorporated*

**Abstract:**

Add PC5 to existing list of power classes

**Discussion:**

[report of discussion]

**Decision:** The document was **withdrawn**.

**R4-2102671 CR to 38.807: Update for FR2 PC5**

*Type: CR For: Agreement  
 38.101-2 v16.6.0 CR-0339 Cat: F (Rel-16)  
  
 Source: Qualcomm Incorporated*

**Abstract:**

Add PC5 to existing list of power classes

**Discussion:**

[report of discussion]

**Decision:** The document was **withdrawn**.

**R4-2102672 CR to 38.807: Update for FR2 PC5**

*Type: CR For: Agreement  
 38.101-2 v17.0.0 CR-0340 Cat: A (Rel-17)  
  
 Source: Qualcomm Incorporated*

**Abstract:**

Add PC5 to existing list of power classes

**Discussion:**

[report of discussion]

**Decision:** The document was **withdrawn**.

**R4-2102688 CR for FR2 FWA RF requirements**

*Type: CR For: Agreement  
 38.101-1 v17.0.0 CR-0711 Cat: B (Rel-17)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102700 CR to 38.807: Update for FR2 PC5**

*Type: CR For: Agreement  
 38.307 v15.7.0 CR-0058 Cat: F (Rel-15)  
  
 Source: Qualcomm Incorporated*

**Abstract:**

Add PC5 to existing list of power classes

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102701 CR to 38.807: Update for FR2 PC5**

*Type: CR For: Agreement  
 38.307 v16.5.0 CR-0059 Cat: F (Rel-16)  
  
 Source: Qualcomm Incorporated*

**Abstract:**

Add PC5 to existing list of power classes

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102702 CR to 38.807: Update for FR2 PC5**

*Type: CR For: Agreement  
 38.307 v17.0.0 CR-0060 Cat: A (Rel-17)  
  
 Source: Qualcomm Incorporated*

**Abstract:**

Add PC5 to existing list of power classes

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

#### 9.24.2 RRM Core requirements (38.133) [NR\_FR2\_FWA\_Bn257\_Bn258-Core]

#### 9.24.3 RRM Perf. requirements (38.133) [NR\_FR2\_FWA\_Bn257\_Bn258-Perf]

**R4-2101683 Discussion on conditions for FR2 new FWA UE**

*Type: discussion For: Discussion  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101684 CR on condition requirements for UE power class 5 in TS38.133**

*Type: CR For: Agreement  
 38.133 v17.0.0 CR-1646 Cat: F (Rel-17)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

#### 9.24.4 Others [NR\_FR2\_FWA\_Bn257\_Bn258-Core/Perf]

**R4-2100709 CR for 38.307: Introduction of power class 5 for FR2**

*Type: CR For: Agreement  
 38.307 v17.0.0 CR-0042 Cat: B (Rel-17)  
  
 Source: SoftBank Corp.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101423 Introduction of Noc for PC5 in n257/n258**

*Type: CR For: Agreement  
 38.101-4 v16.3.0 CR-0155 Cat: B (Rel-17)  
  
 Source: Ericsson, SoftBank*

**Abstract:**

This CR introduces Noc for PC5 in n257/n258.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

### 9.25 Introduction of NR 47 GHz band [NR\_47GHz\_Band]

#### 9.25.1 UE RF (38.101-2) [NR\_47GHz\_Band-Core]

##### 9.25.1.1 Peak EIRP and EIRP spherical coverage [NR\_47GHz\_Band-Core]

**R4-2100094 Multi-band relaxation for band n262**

*Type: discussion For: Discussion  
 Source: Murata Manufacturing Co., Ltd.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100567 Peak EIRP and EIRP spherical coverage for PC3 for n262**

*Type: other For: Approval  
 Source: Sony, Ericsson*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100748 EIRP requirements for n262**

*Type: other For: Approval  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100913 UE RF requirements for 47 GHz band**

*Type: discussion For: Approval  
 Source: Samsung*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101831 Discussion on MOP for Band n262**

*Type: other For: Approval  
 Source: vivo*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102590 Peak EIRP and EIRP Spherical coverage for n262**

*Type: discussion For: Approval  
 Source: Apple Inc.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102668 On EIRP spherical coverage requirements for n262**

*Type: other For: Discussion  
 Source: Qualcomm Incorporated*

**Abstract:**

peak gain, spherical coverage of gain discussed

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102906 EIRP requirements of band n262**

*Type: discussion For: Discussion  
 Source: Intel Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

##### 9.25.1.2 Other UE TX requirements [NR\_47GHz\_Band-Core]

**R4-2100568 Multiband relaxations for PC3 for n262**

*Type: other For: Approval  
 Source: Sony, Ericsson*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100749 TP to TR 38.847: UE Tx requirement for n262**

*Type: pCR For: Approval  
 38.847 v0.0.2  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100750 Introduction of n262 UE RF requirements**

*Type: CR For: Agreement  
 38.101-2 v17.0.0 CR-0325 Cat: B (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102667 On EVM requirements for n262**

*Type: other For: Agreement  
 Source: Qualcomm Incorporated*

**Abstract:**

Next steps to investigate if deviation from existing FR2 EVM side conditions is justified for n262

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

##### 9.25.1.3 REFSENS and EIS spherical coverage [NR\_47GHz\_Band-Core]

**R4-2100569 REFSENS and EIS spherical coverage for PC3 for n262**

*Type: other For: Approval  
 Source: Sony, Ericsson*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100751 EIS requirements for n262**

*Type: other For: Approval  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101832 Discussion on REFSENS and EIS spherical coverage for Band n262**

*Type: other For: Approval  
 Source: vivo*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102591 Peak EIS and EIS Spherical coverage for n262**

*Type: discussion For: Approval  
 Source: Apple Inc.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102907 EIS requirements of band n262**

*Type: discussion For: Discussion  
 Source: Intel Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

##### 9.25.1.4 Other UE RX requirements [NR\_47GHz\_Band-Core]

**R4-2100752 TP to TR 38.847: UE Rx requirement for n262**

*Type: pCR For: Approval  
 38.847 v0.0.2  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

#### 9.25.2 BS RF (38.104) [NR\_47GHz\_Band-Core]

**R4-2102159 CR to TS 38.104 - n262 introduction**

*Type: CR For: Agreement  
 38.104 v17.0.0 CR-0290 Cat: B (Rel-17)  
  
 Source: Ericsson*

**Abstract:**

This CR specifies band n262 (47GHz band) in TS 38.104

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

#### 9.25.3 RRM (38.133) [NR\_47GHz\_Band-Core]

**R4-2102653 Analysis of RRM requirements for band n62**

*Type: other For: Discussion  
 Source: Ericsson*

**Abstract:**

This document analysis RRM requirements for new band on 47 GHz (n62)

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102654 RRM core requirements for band n62**

*Type: CR For: Agreement  
 38.133 v17.0.0 CR-1740 Cat: B (Rel-17)  
  
 Source: Ericsson*

**Abstract:**

The CR on RRM requirements for new band on 47 GHz

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

#### 9.25.4 Others [NR\_47GHz\_Band-Core/Perf]

##### 9.25.4.1 BS conformance (38.141) [NR\_47GHz\_Band-Perf]

**R4-2102049 47GHz band TT for NR BS RF requirement**

*Type: discussion For: Agreement  
 Source: Keysight Technologies UK Ltd*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102160 47GHz band - Measurement uncertainties for BS requirements**

*Type: other For: Approval  
 Source: Ericsson*

**Abstract:**

This contribution discusses the measurement uncertainties for BS requirements at 47GHz

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102445 TP to TR 38.847: BS conformance aspects**

*Type: other For: Approval  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102446 CR to 38.141-2: Introduction of n262**

*Type: CR For: Agreement  
 38.141-2 v17.0.0 CR-0309 Cat: B (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

##### 9.25.4.2 UE Demod (38.101-4) [NR\_47GHz\_Band-Perf]

**R4-2102100 CR to TS 38.101-4: n262 demodulation requirements**

*Type: CR For: Agreement  
 38.101-4 v16.3.0 CR-0163 Cat: B (Rel-17)  
  
 Source: Ericsson*

**Abstract:**

CR to introduce demodulation requirements for n262

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102101 pCR to 38.847: UE performance requirements**

*Type: pCR For: Approval  
 38.847 v0.0.2  
 Source: Ericsson*

**Abstract:**

Captures information and rationale behind decision for demodulation requirements

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102933 Discussion on NR UE demodulation performance for n262**

*Type: discussion For: (not specified)  
 Source: HUAWEI TECHNOLOGIES Co. Ltd.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

##### 9.25.4.3 BS Demod (38.104) [NR\_47GHz\_Band-Perf]

**R4-2100565 On 47GHZ OTA link budget in Demodulation requirement testing**

*Type: discussion For: Discussion  
 Source: Nokia, Nokia Shanghai Bell*

**Abstract:**

In this contribution we have expressed our views on the 47GHZ band OTA link budget for demodulation requirement testing.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102102 pCR to TR 38.847: BS demodulation requirements**

*Type: pCR For: Approval  
 38.847 v0.0.2  
 Source: Ericsson*

**Abstract:**

Captures information and rationale behind decision for demodulation requirements

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102935 Discussion on NR BS demodulation performance for n262**

*Type: discussion For: Discussion  
 Source: HUAWEI TECHNOLOGIES Co. Ltd.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

##### 9.25.4.4 Others [NR\_47GHz\_Band-Core/Perf]

**R4-2102158 TR 38.847 Introduction of NR Band 262 (47GHz band)**

*Type: draft TR For: Agreement  
 38.847 v0.1.0  
 Source: Ericsson*

**Abstract:**

Updated TR to capture the work done when specifying the new NR FR2 47GHz band

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

### 9.26 Introduction of NR band n24 [NR\_band\_n24]

#### 9.26.1 UE RF (38.101-1) [NR\_band\_n24-Core]

**R4-2100134 Simulation results for n24 / band 24 A-MPR**

*Type: discussion For: Discussion  
 Source: Nokia*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100135 n24 / band 24 A-MPR proposal**

*Type: other For: Approval  
 Source: Nokia, Skyworks Inc*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100246 CR for TS 38.101-1 introduction of NR band n24**

*Type: CR For: Agreement  
 38.101-1 v17.0.0 CR-0604 Cat: B (Rel-17)  
  
 Source: Ligado Networks, Nokia, Skyworks Solutions Inc.*

**Abstract:**

Updates to 38.101-1 to introduce NR band n24

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100545 Band 24, n24 and n99 A-MPR**

*Type: discussion For: Approval  
 38.101-1 v..  
 Source: Skyworks Solutions Inc.*

**Abstract:**

This contribution provided measurements for band n24 AMPR proposal. It is also proposing AMPR for LTE band 24 and NR SUl n99 and thus must be considered in related agendas.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

#### 9.26.2 BS RF (38.104) [NR\_band\_n24-Core]

**R4-2102451 CR to 38.104: Introduction of n24**

*Type: CR For: Agreement  
 38.104 v17.0.0 CR-0295 Cat: B (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

#### 9.26.3 RRM (38.133) [NR\_band\_n24-Core]

**R4-2100247 CR for TS 38.133 introduction of NR band n24**

*Type: CR For: Agreement  
 38.133 v17.0.0 CR-1469 Cat: B (Rel-17)  
  
 Source: Ligado Networks*

**Abstract:**

Updates to TS 38.133 to introduce NR band n24

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

#### 9.26.4 Others [NR\_band\_n24-Core/Perf]

**R4-2100248 CR for TS 37.105 introduction of NR band n24**

*Type: CR For: Agreement  
 37.105 v17.0.0 CR-0214 Cat: B (Rel-17)  
  
 Source: Ligado Networks*

**Abstract:**

Updates to TS 37.105 to introduce NR band n24

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100249 CR for TS 37.145-1 introduction of NR band n24**

*Type: CR For: Agreement  
 37.145-1 v17.0.0 CR-0234 Cat: B (Rel-17)  
  
 Source: Ligado Networks*

**Abstract:**

Updates to TS 37.145-1 to introduce NR band n24

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100250 CR for TS 37.145-2 introduction of NR band n24**

*Type: CR For: Agreement  
 37.145-2 v17.0.0 CR-0268 Cat: B (Rel-17)  
  
 Source: Ligado Networks*

**Abstract:**

Updates to TS 37.145-2 to introduce NR band n24

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100251 CR for TS 38.141-1 introduction of NR band n24**

*Type: CR For: Agreement  
 38.141-1 v17.0.0 CR-0168 Cat: B (Rel-17)  
  
 Source: Ligado Networks*

**Abstract:**

Updates to TS 38.141-1 to introduce NR band n24

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100252 CR for TS 38.141-2 introduction of NR band n24**

*Type: CR For: Agreement  
 38.141-2 v17.0.0 CR-0259 Cat: B (Rel-17)  
  
 Source: Ligado Networks*

**Abstract:**

Updates to TS 38.141-2 to introduce NR band n24

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102447 CR to 36.104: Introduction of n24 requirements**

*Type: CR For: Agreement  
 36.104 v17.0.0 CR-4927 Cat: B (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102448 CR to 36.141: Introduction of n24 requirements**

*Type: CR For: Agreement  
 36.141 v17.0.0 CR-1295 Cat: B (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102449 CR to 37.104: Introduction of n24 requirements**

*Type: CR For: Agreement  
 37.104 v17.0.0 CR-0924 Cat: B (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102450 CR to 37.141: Introduction of n24 requirements**

*Type: CR For: Agreement  
 37.141 v17.0.0 CR-0964 Cat: B (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

### 9.27 Introduction of 1.6 GHz NR SUL band with same uplink frequency range of Band 24 [NR\_SUL\_UL\_n24]

#### 9.27.1 UE RF (38.101-1) [NR\_SUL\_UL\_n24-Core]

**R4-2100332 Discussion on new SUL band n99 UE requirements**

*Type: discussion For: Discussion  
 Source: Huawei,HiSilicon*

**Abstract:**

SUL n99

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100334 CR to 38101-1 on introducing new SUL band n99**

*Type: CR For: Agreement  
 38.101-1 v17.0.0 CR-0609 Cat: B (Rel-17)  
  
 Source: Huawei,HiSilicon*

**Abstract:**

SUL n99

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

#### 9.27.2 BS RF (38.104) [NR\_SUL\_UL\_n24-Core]

**R4-2100333 Discussion on new SUL band n99 BS requirements**

*Type: discussion For: Discussion  
 Source: Huawei,HiSilicon*

**Abstract:**

SUL n99

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100335 CR to 38104 on introducing new SUL band n99**

*Type: CR For: Agreement  
 38.104 v17.0.0 CR-0262 Cat: B (Rel-17)  
  
 Source: Huawei,HiSilicon*

**Abstract:**

SUL n99

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100336 CR to 36104 on introducing new SUL band n99**

*Type: CR For: Agreement  
 36.104 v17.0.0 CR-4920 Cat: B (Rel-17)  
  
 Source: Huawei,HiSilicon*

**Abstract:**

SUL n99

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100337 CR to 38141-1 on introducing new SUL band n99**

*Type: CR For: Agreement  
 38.141-1 v17.0.0 CR-0169 Cat: B (Rel-17)  
  
 Source: Huawei,HiSilicon*

**Abstract:**

SUL n99

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100338 CR to 38141-2 on introducing new SUL band n99**

*Type: CR For: Agreement  
 38.141-2 v17.0.0 CR-0260 Cat: B (Rel-17)  
  
 Source: Huawei,HiSilicon*

**Abstract:**

SUL n99

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100339 CR to 36141 on introducing new SUL band n99**

*Type: CR For: Agreement  
 36.141 v17.0.0 CR-1288 Cat: B (Rel-17)  
  
 Source: Huawei,HiSilicon*

**Abstract:**

SUL n99

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100340 CR to 37104 on introducing new SUL band n99**

*Type: CR For: Agreement  
 37.104 v17.0.0 CR-0920 Cat: B (Rel-17)  
  
 Source: Huawei,HiSilicon*

**Abstract:**

SUL n99

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100341 CR to 37141 on introducing new SUL band n99**

*Type: CR For: Agreement  
 37.141 v17.0.0 CR-0959 Cat: B (Rel-17)  
  
 Source: Huawei,HiSilicon*

**Abstract:**

SUL n99

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100342 CR to 37105 on introducing new SUL band n99**

*Type: CR For: Agreement  
 37.105 v17.0.0 CR-0216 Cat: B (Rel-17)  
  
 Source: Huawei,HiSilicon*

**Abstract:**

SUL n99

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100343 CR to 37145-1 on introducing new SUL band n99**

*Type: CR For: Agreement  
 37.145-1 v17.0.0 CR-0236 Cat: B (Rel-17)  
  
 Source: Huawei,HiSilicon*

**Abstract:**

SUL n99

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100344 CR to 37145-2 on introducing new SUL band n99**

*Type: CR For: Agreement  
 37.145-2 v17.0.0 CR-0270 Cat: B (Rel-17)  
  
 Source: Huawei,HiSilicon*

**Abstract:**

SUL n99

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

#### 9.27.3 RRM (38.133) [NR\_SUL\_UL\_n24-Core]

#### 9.27.4 Others [NR\_SUL\_UL\_n24-Core/Perf]

### 9.28 Introduction of NR band n67 [NR\_n67]

**R4-2102491 Introduction of band n67**

*Type: discussion For: Approval  
 Source: Huawei, HiSilicon*

**Abstract:**

discussion about introducing band n67

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

#### 9.28.1 UE RF (38.101-1) [NR\_n67-Core]

**R4-2102170 New NR band n67 - UE RF impacts**

*Type: other For: Approval  
 Source: Ericsson*

**Abstract:**

This contribution is analyzing the UE RF impacts when adding the new refarmed band n67

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

#### 9.28.2 BS RF (38.104) [NR\_n67-Core]

**R4-2102169 New NR band n67 - BS RF impacts**

*Type: other For: Approval  
 Source: Ericsson*

**Abstract:**

This contribution is analyzing the BS RF impacts when adding the new refarmed band n67

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

#### 9.28.3 RRM (38.133) [NR\_n67-Core]

#### 9.28.4 Others [NR\_n67-Core/Perf]

### 9.29 Introduction of NR band n85 [NR\_n85]

**R4-2102509 Introduction of band n85**

*Type: discussion For: Approval  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

#### 9.29.1 UE RF (38.101-1) [NR\_n85-Core]

**R4-2102172 New NR band n85 - UE RF impacts**

*Type: other For: Approval  
 Source: Ericsson*

**Abstract:**

This contribution is analyzing the UE RF impacts when adding the new refarmed band n85

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

#### 9.29.2 BS RF (38.104) [NR\_n85-Core]

**R4-2102171 New NR band n85 - BS RF impacts**

*Type: other For: Approval  
 Source: Ericsson*

**Abstract:**

This contribution is analyzing the BS RF impacts when adding the new refarmed band n85

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

#### 9.29.3 RRM (38.133) [NR\_n85-Core]

#### 9.29.4 Others [NR\_n85-Core/Perf]

### 9.30 Introduction of bandwidth combination set 4 (BCS4) for NR [NR\_BCS4]

#### 9.30.1 General and Rapporteur Input (WID/TR/CR) [NR\_BCS4-Core]

**R4-2101817 General discussion on introduction of BCS4**

*Type: other For: Approval  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102136 Templates for BCS4 configurations for inter-band NR CA**

*Type: other For: Approval  
 Source: ZTE Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **withdrawn**.

**R4-2102187 Templates for BCS4 configurations for inter-band NR CA**

*Type: other For: Approval  
 Source: ZTE Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

#### 9.30.2 UE RF requirements [NR\_BCS4-Core]

**R4-2102928 Cross-band MSD for ENDC and NR-CA BCS4**

*Type: discussion For: Approval  
 38.101-1 v..  
 Source: Skyworks Solutions Inc.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

##### 9.30.2.1 MSD [NR\_BCS4-Core]

**R4-2101816 Discussion on how to simplify MSD definition using bandwidth-agnostic approach**

*Type: other For: Approval  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102150 Discussion on BCS4**

*Type: discussion For: Approval  
 Source: T-Mobile USA*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102151 Draft CR for 38.101-1: Introduction of BCS4**

*Type: draftCR For: Endorsement  
 38.101-1 v17.0.0  
 Source: T-Mobile USA, MediaTek*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

##### 9.30.2.2 Others (in case MPR/A-MPR is needed) [NR\_BCS4-Core]

#### 9.30.3 Signalling [NR\_BCS4-Core]

**R4-2100088 Required changes to the original BCS4 idea**

*Type: other For: Approval  
 Source: Nokia, Nokia Shanghai Bell*

**Abstract:**

This contribution discuss the most suitable UE capabilities signalling methods to enable BCS4 support among captured methods in a corresponding WID.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101371 The signalling for BCS4**

*Type: discussion For: Approval  
 Source: Xiaomi*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102137 Discussion on UE capabilities signalling to enable BCS4**

*Type: other For: Approval  
 Source: ZTE Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **withdrawn**.

**R4-2102188 Discussion on UE capabilities signalling to enable BCS4**

*Type: other For: Approval  
 Source: ZTE Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102502 Discussion on candidate methods for BCS4**

*Type: discussion For: (not specified)  
 Source: Qualcomm Incorporated*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

### 9.31 Band combination specific requirements for NR intra band UL Carrier Aggregation []

#### 9.31.1 General and Rapporteur Input (WID/TR/CR) [-Core]

**R4-2102621 TR skeleton 38.XXX V001 NR\_HPUE\_intra\_Band\_R17**

*Type: other For: Endorsement  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

#### 9.31.2 PC2 UE RF requirements [-Core]

##### 9.31.2.1 Maximum output power [-Core]

##### 9.31.2.2 A-MPR [-Core]

##### 9.31.2.3 others [-Core]

#### 9.31.3 PC3 UE RF requirements [-Core]

### 9.32 Additional NR bands for UL-MIMO [NR\_bands\_UL\_MIMO\_PC3\_R17]

#### 9.32.1 General and Rapporteur Input (WID/TR/CR) [NR\_bands\_UL\_MIMO\_PC3\_R17-Core]

**R4-2100099 Introduce NR SUL bands to PC3 UL-MIMO configuration**

*Type: CR For: Agreement  
 38.101-1 v17.0.0 CR-0587 Cat: B (Rel-17)  
  
 Source: CMCC*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102394 CR for TS 38.101-1 Introduce NR SUL bands to PC3 UL-MIMO configuration**

*Type: CR For: Agreement  
 38.101-1 v17.0.0 CR-0688 Cat: B (Rel-17)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

#### 9.32.2 MPR/A-MPR requirement [NR\_bands\_UL\_MIMO\_PC3\_R17-Core]

#### 9.32.3 Others [NR\_bands\_UL\_MIMO\_PC3\_R17-Core/Perf]

**R4-2102393 draftCR to introduce UL MIMO configurations for band n84**

*Type: draftCR For: Endorsement  
 38.101-1 v17.0.0  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

### 9.33 Down link interruption for band combinations to conduct dynamic Tx Switching [DL\_intrpt\_combos\_TxSW\_R17]

#### 9.33.1 General and Rapporteur Input (WID/TR/CR) [DL\_intrpt\_combos\_TxSW\_R17-Core]

**R4-2100373 TR skeleton for Downlink interruption for band combinations to conduct dynamic Tx Switching**

*Type: other For: Approval  
 Source: CATT*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100374 TR 37.xxx 0.1.0 for Downlink interruption for band combinations to conduct dynamic Tx Switching**

*Type: other For: Approval  
 Source: CATT*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101127 Work plan on downlink interruption for band combinations to conduct dynamic Tx switching**

*Type: other For: Approval  
 Source: China Telecom*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101128 Revised WID: Downlink interruption for NR and EN-DC band combinations to conduct dynamic Tx Switching in Uplink**

*Type: WID revised For: Endorsement  
 Source: China Telecom*

**Abstract:**

Update the WI title, code and TR remarks according to MCC suggestion

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

#### 9.33.2 Determination of inter-band uplink CA and EN-DC combinations for which DL interruption is not allowed [DL\_intrpt\_combos\_TxSW\_R17-Core]

**R4-2100806 TP on DL applicability of CA\_n3-n40-n41 for 37.xxx**

*Type: other For: Approval  
 Source: CMCC*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100807 TP on DL applicability of CA\_n3-n41-n79 for 37.xxx**

*Type: other For: Approval  
 Source: CMCC*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100808 TP on DL applicability of CA\_n8-n39-n41for 37.xxx**

*Type: other For: Approval  
 Source: CMCC*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100809 TP on DL applicability of CA\_n8-n41-n79 for 37.xxx**

*Type: other For: Approval  
 Source: CMCC*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100810 TP on DL applicability of CA\_n39-n41-n79 for 37.xxx**

*Type: other For: Approval  
 Source: CMCC*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100811 TP on DL applicability of CA\_n40-n41-n79 for 37.xxx**

*Type: other For: Approval  
 Source: CMCC*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

#### 9.33.3 Others [DL\_intrpt\_combos\_TxSW\_R17-Core/Perf]

**R4-2100812 Discussion on DL interruption applicability for inter-band CA with 3 bands**

*Type: discussion For: Decision  
 Source: CMCC*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

### 9.34 High-power UE operation for use cases in Band n77 and n78 [HPUE\_PC1\_5\_n77\_n78]

#### 9.34.1 General [HPUE\_PC1\_5\_n77\_n78-Core]

**R4-2100515 Considerations for PC1.5 with n77 and n78**

*Type: discussion For: Approval  
 Source: Apple Inc.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100912 Regulatory information on RF exposure for FWA devices**

*Type: discussion For: Discussion  
 Source: Samsung*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102283 Consideration on adding PC 1.5 for n77 and n78**

*Type: discussion For: Agreement  
 Source: Huawei, HiSilicon*

**Abstract:**

Changes in UE spec needed for adding PC 1.5 for n77 and n78

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

#### 9.34.2 PC1.5 UE RF requirements [HPUE\_PC1\_5\_n77\_n78-Core]

**R4-2102930 Discussion on band n77 PC1.5 operation**

*Type: discussion For: Discussion  
 38.101-1 v..  
 Source: Skyworks Solutions Inc.*

**Abstract:**

In this contribution we discuss PC1.5 for TDD bands n77 and n78 cases compared with the band n41 case already specified in Release 16 .

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

##### 9.34.2.1 A-MPR [HPUE\_PC1\_5\_n77\_n78-Core]

**R4-2100287 Consideration for RF architecture for n77/n78 PC1.5 UE**

*Type: other For: Approval  
 Source: LG Electronics France*

**Abstract:**

propose basekine RF architecture and MPR/A-MPR simulation assumptions

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

##### 9.34.2.2 others [HPUE\_PC1\_5\_n77\_n78-Core]

**R4-2102417 PC 1.5 for bands n77 and n78**

*Type: discussion For: Approval  
 Source: Qualcomm Incorporated*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

### 9.35 Introduction of lower 6GHz NR unlicensed operation for Europe [NR\_6GHz\_unlic\_EU]

**R4-2100514 Band plan for lower 6GHz NR unlicensed operation for Europe**

*Type: discussion For: Decision  
 Source: Apple Inc.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

#### 9.35.1 General [NR\_6GHz\_unlic\_EU-Core]

**R4-2100546 NRU in 6GHz EU spectrum: Band Definition and Related Emission Requirements**

*Type: discussion For: Approval  
 38.101-1 v..  
 Source: Skyworks Solutions Inc.*

**Abstract:**

In this contribution, we analyze the available regulations and propose to reuse the n96 band definition restricted to the channels in the 5945-6425MHz frequency range using NS mechanism as already used for n46 sub-bands or FCC compliant indoor/outdoor ope

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101927 Skeleton TR 38.849 v0.0.0**

*Type: draft TR For: Agreement  
 38.849 v0.0.0  
 Source: Nokia, Nokia Shanghai Bell*

**Abstract:**

Draft skeleton for the internal TR 38.849 for the WID on Introduction of lower 6GHz NR unlicensed operation for Europe

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101928 draft TR 38.849 v0.1.0**

*Type: draft TR For: Agreement  
 38.849 v0.1.0  
 Source: Nokia, Nokia Shanghai Bell*

**Abstract:**

Inclusion of agreements and TPs provided at RAN4#98 to TR 38.849

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101929 Work plan for Introduction of lower 6GHz NR unlicensed operation for Europe**

*Type: Work Plan For: Approval  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101965 Discussion on Europe unlicensed 6GHz for NR-U**

*Type: other For: Approval  
 Source: ZTE Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

#### 9.35.2 UE RF requirements [NR\_6GHz\_unlic\_EU-Core]

**R4-2101930 On UE RF aspects for the lower 6GHz NR unlicensed operation**

*Type: discussion For: Approval  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102416 UE requirements for EU NR-U 6 GHz band**

*Type: discussion For: Approval  
 Source: Qualcomm Incorporated*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

#### 9.35.3 BS RF requirements [NR\_6GHz\_unlic\_EU-Core]

**R4-2101931 On BS RF aspects for the lower 6GHz NR unlicensed operation**

*Type: discussion For: Approval  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101966 Discussion on BS RF requirements for Europe unlicensed 6GHz**

*Type: other For: Approval  
 Source: ZTE Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101967 draft CR for introduction of Europe unlicensed 6GHz.**

*Type: draftCR For: Endorsement  
 38.104 v17.0.0  
 Source: ZTE Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

#### 9.35.4 Others [NR\_6GHz\_unlic\_EU-Core]

## 10 Reply to ITU-R LS (RP-200042)

### 10.1 Study on IMT parameters for frequency ranges 6.425-7.125GHz and 10.0-10.5GHz [FS\_6425\_10500MHz \_NR]

**R4-2101494 TR 38.921 V 0.3.0**

*Type: draft TR For: Agreement  
 38.921 v0.2.0  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101500 Reply LS on Parameters of terrestrial component of IMT for sharing and compatibility studies in preparation for WRC-23 (6.425 to 10.5 GHz)**

*Type: LS out For: Approval  
 to ITU-R WP5D, cc RAN  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102840 Draft LS to WP5D on Parameters of terrestrial component of IMT for sharing and compatibility studies in preparation for WRC-23**

*Type: LS out For: Approval  
 to ITU-R WP5D, cc TSG RAN  
 Source: Ericsson*

**Abstract:**

The LS gives feedback to WP5D on the parameters and fills in the final ones.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

#### 10.1.1 UE parameters

**R4-2100488 Fuurther discussion on UE parameters for 6.425-7.125GHz, 7.025-7.125GHz and 10.0-10.5GHz**

*Type: discussion For: Approval  
 Source: CATT*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101495 TP to TR 38.921: UE remaining parameters**

*Type: pCR For: Approval  
 38.921 v0.2.0  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101791 Proposals of UE Parameters for Frequency Ranges 6.425-7.125GHz and 10.0-10.5GHz**

*Type: other For: Approval  
 Source: Nokia, Nokia Shanghai Bell*

**Abstract:**

This contribution provides the proposals of the open UE parameters for frequency ranges 6.425-7.125GHz and 10.0-10.5GHz according to the downlink and uplink coexistence simulation results provided.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101948 TP to TR 38.921 UE transmitter requirements**

*Type: other For: Approval  
 Source: ZTE Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102157 SI on IMT parameters - Remaining UE parameters**

*Type: other For: Approval  
 Source: Ericsson*

**Abstract:**

This contribution is discussing remaining UE parameters for the SI on IMT parameters

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102501 Discussion on UE SEM for 6.425-7.125GHz and 10-10.5GHz**

*Type: discussion For: (not specified)  
 Source: Qualcomm Incorporated*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

#### 10.1.2 BS parameters

**R4-2100489 further discussion on BS parameters for 6.425-7.125GHz, 7.025-7.125GHz and 10.0-10.5GHz**

*Type: discussion For: Approval  
 Source: CATT*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100823 Discussion on remaining Tx requirements of BS for 6425-7125MHz**

*Type: discussion For: Discussion  
 Source: CMCC*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101496 TP to TR 38.921: BS remaining parameters**

*Type: pCR For: Approval  
 38.921 v0.2.0  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101792 Proposals of BS Parameters for Frequency Ranges 6.425-7.125GHz and 10.0-10.5GHz**

*Type: other For: Approval  
 Source: Nokia, Nokia Shanghai Bell*

**Abstract:**

This contribution provides the proposals of the open BS parameters for frequency ranges 6.425-7.125GHz and 10.0-10.5GHz according to the downlink and uplink coexistence simulation results provided.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101949 TP to TR 38.921 BS requirements**

*Type: other For: Approval  
 Source: ZTE Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102156 SI on IMT parameters - Remaining BS parameters**

*Type: other For: Approval  
 Source: Ericsson*

**Abstract:**

This contribution is discussing remaining BS parameters for the SI on IMT parameters

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

#### 10.1.3 Coexistence study

**R4-2101499 TP for Clause 4.3 co-existence simulation results**

*Type: pCR For: Approval  
 38.921 v0.2.0  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101950 TP to TR 38.921 summary of simulation results**

*Type: other For: Approval  
 Source: ZTE Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

##### 10.1.3.1 Simulation assumptions

**R4-2101793 TP to TR 38.921: Clarification of BS maximum transmit power on system level simulation assumptions for study on IMT parameters for frequency ranges 6.425-7.125GHz and 10.0-10.5GHz**

*Type: pCR For: Approval  
 38.921 v0.2.0  
 Source: Nokia, Nokia Shanghai Bell, ZTE*

**Abstract:**

This contribution proposes to remove the reference to Note 3 for the indoor “BS max TX power in dBm” to avoid the ambiguity that 24dBm is defined per polarization.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101953 TP to TR 38.921 Maintenance for simulation assumption**

*Type: other For: Approval  
 Source: ZTE Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102500 TP to TR 38.921: Clarification of beamforming pattern modelling for multiple UL schedued UEs**

*Type: pCR For: Approval  
 38.921 v0.3.0  
 Source: Qualcomm Incorporated*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

##### 10.1.3.2 Downlink

**R4-2100490 Downlin simulation results for 6425-7125MHz and 10-10.5GHz - indoor scenario**

*Type: discussion For: Discussion  
 Source: CATT*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101497 Simulation results on indoor DL co-existence for 6.425-7.125GHz, 10.0-10.5 GHz**

*Type: other For: Approval  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101794 Downlink Indoor Hotspot Coexistence Simulation Results for Frequency Ranges 6.425-7.125GHz and 10.0-10.5GHz**

*Type: other For: Discussion  
 Source: Nokia, Nokia Shanghai Bell*

**Abstract:**

This contribution provides the downlink indoor hotspot coexistence simulation results according to the agreed assumptions.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101951 DL simulation results for 6425-7125MHz and 10-10.5GHz**

*Type: other For: Approval  
 Source: ZTE Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102154 SI on IMT parameters - DL simulations results**

*Type: discussion For: Discussion  
 Source: Ericsson*

**Abstract:**

This contribution is providing coexistence simulations results in DL for the 6-7GHz and 10GHz bands

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102498 Downlink co-existence simulation results for indoor scenario**

*Type: discussion For: (not specified)  
 Source: Qualcomm Incorporated*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

##### 10.1.3.3 Uplink

**R4-2100491 Uuplink simulation results for 6425-7125MHz and 10-10.5GHz indoor scenario- indoor scenario**

*Type: discussion For: Discussion  
 Source: CATT*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101498 Simulation results on indoor UL co-existence for 6.425-7.125GHz, 10.0-10.5 GHz**

*Type: other For: Approval  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101795 Uplink Indoor Hotspot Coexistence Simulation Results for Frequency Ranges 6.425-7.125GHz and 10.0-10.5GHz**

*Type: other For: Discussion  
 Source: Nokia, Nokia Shanghai Bell*

**Abstract:**

This contribution provides the uplink indoor hotspot coexistence simulation results according to the agreed assumptions.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101952 UL simulation results for 6425-7125MHz and 10-10.5GHz**

*Type: other For: Approval  
 Source: ZTE Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102155 SI on IMT parameters - UL simulations results**

*Type: discussion For: Discussion  
 Source: Ericsson*

**Abstract:**

This contribution is providing coexistence simulations results in UL for the 6-7GHz and 10GHz bands

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102499 Uplink co-existence simulation results for indoor scenario**

*Type: discussion For: (not specified)  
 Source: Qualcomm Incorporated*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

#### 10.1.4 Antenna characteristics

**R4-2101182 TP to TR 38.921: Addition of in-door antenna parameters and correction to model in subclause 8.1**

*Type: pCR For: Approval  
 38.921 v0.2.0  
 Source: Ericsson*

**Abstract:**

At the end of this contribution a text proposal is attached for approval. The text proposal consists of two parts; Addition of antenna parameters for in-door deployment scenario and correction of antenna parameter definition in subclause 8.1.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101796 TP to TR 38.921: Proposals of Indoor BS Antenna Characteristics for Frequency Ranges 6.425-7.125GHz and 10.0-10.5GHz**

*Type: pCR For: Approval  
 38.921 v0.2.0  
 Source: Nokia, Nokia Shanghai Bell*

**Abstract:**

This contribution provides the proposals of indoor BS antenna characteristics for frequency ranges 6.425-7.125GHz and 10.0-10.5GHz according to the downlink and uplink coexistence simulation results provided

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101954 TP to TR 38.921 Antenna configurations**

*Type: other For: Approval  
 Source: ZTE Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

#### 10.1.5 Relevant information for the sharing and compatibility studies

**R4-2101797 Proposals of Relevant Information for the ITU-R WP5D Sharing and Compatibility Studies for Frequency Ranges 6.425-7.125GHz and 10.0-10.5GHz**

*Type: other For: Approval  
 Source: Nokia, Nokia Shanghai Bell*

**Abstract:**

This contribution provides the proposals on how the relevant information may be considered in the ITU-R WP5D sharing and compatibility studies for frequency ranges 6.425-7.125GHz and 10.0-10.5GHz.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

## 11 Rel-17 non-spectrum related work items for NR

### 11.1 Multiple Input Multiple Output (MIMO) Over-the-Air (OTA) requirements for NR UEs [NR\_MIMO\_OTA]

#### 11.1.1 General [NR\_MIMO\_OTA]

**R4-2101822 TS 38.151 v0.2.0 NR MIMO OTA requirements**

*Type: draft TS For: Agreement  
 38.151 v0.2.0  
 Source: vivo*

**Abstract:**

New version TS

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101825 TP to TS 38.151 v0.1.0 on Performance metrics for NR MIMO OTA requirements**

*Type: pCR For: Approval  
 38.151 v0.1.0  
 Source: vivo, CAICT*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102018 NR repeater considerations**

*Type: other For: Approval  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

#### 11.1.2 Performance Requirements [NR\_MIMO\_OTA-Core]

##### 11.1.2.1 Performance Requirements for FR1 [NR\_MIMO\_OTA-Core]

**R4-2101827 Discussions on Channel models mapping for FR1 MIMO OTA requirement**

*Type: discussion For: Approval  
 Source: vivo*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101941 FR1 MIMO OTA measurement results and channel model mapping**

*Type: discussion For: Approval  
 Source: CAICT,Keysight,ETS-Lindgren*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

##### 11.1.2.2 Performance Requirements for FR2 [NR\_MIMO\_OTA-Core]

**R4-2101758 Consideration on how to treat the missing orientations for FR2**

*Type: discussion For: Approval  
 Source: OPPO*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101824 TP to TS 38.151 v0.1.0 on FR2 test system for requirements**

*Type: pCR For: Approval  
 38.151 v0.1.0  
 Source: vivo, CAICT*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102497 Discussion on FR2 MIMO OTA performance requirements**

*Type: discussion For: (not specified)  
 Source: Qualcomm Incorporated*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102719 Simulation assumption summary for NR FR2 MIMO OTA**

*Type: other For: Approval  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

#### 11.1.3 Testing methodologies [NR\_MIMO\_OTA-Core]

##### 11.1.3.1 Testing parameters for Performance [NR\_MIMO\_OTA-Core]

**R4-2100892 Discussion on FR1 test parameters and Figure of Merit**

*Type: discussion For: Discussion  
 Source: Samsung*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101826 Discussion on testing parameters for NR MIMO OTA requirement**

*Type: discussion For: Approval  
 Source: vivo*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102729 Consideration on FR2 MIMO OTA UE requirement**

*Type: other For: Approval  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

##### 11.1.3.2 Optimization of test methodologies [NR\_MIMO\_OTA-Core]

**R4-2101757 Consideration on 3D-MPAC probe locations configuration for FR2 MIMO OTA**

*Type: discussion For: Approval  
 Source: OPPO*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102400 Analysis on number of test points vs uncertainty of FR2 MIMO OTA requirements**

*Type: other For: Approval  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

##### 11.1.3.3 Channel model validation [NR\_MIMO\_OTA-Core]

**R4-2100845 Channel Model Validation Bounds**

*Type: other For: Approval  
 Source: Spirent Communications*

**Abstract:**

Proposal 1: FR1 PDP Power = [±0.8 dB]. PDP excess delay = [±11ns].

Proposal 2 and 4: Bounds for FR1 and FR2 Autocorrelation

0.5?, [NonPolarized value +/- 0.1 capped at 1]

1 ?, [NonPolarized value +/- 0.2]

1.5?, [NonPolarized value +/- 0.25]

2?, [NonPolar

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101823 TP to TS 38.151 v0.1.0 on FR2 Channel model and RMC**

*Type: pCR For: Approval  
 38.151 v0.1.0  
 Source: vivo, CAICT*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102613 gNB Beams Usage Criteria for NR FR1 MIMO OTA Channel Model Validation**

*Type: other For: Approval  
 Source: Keysight Technologies UK Ltd, China Mobile*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

### 11.2 RF requirements enhancement for NR frequency range 1 (FR1) [NR\_RF\_FR1\_enh]

#### 11.2.1 General and work plan [NR\_RF\_FR1\_enh-Core]

**R4-2102627 additional work plan for Rel-17 FR1 UE RF enhancement**

*Type: Work Plan For: Approval  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

#### 11.2.2 RF core requirements [NR\_RF\_FR1\_enh-Core]

**R4-2102284 n77(3/4A) DL CA UE Architecture, Regional Needs and 4x4 DL MIMO Support**

*Type: discussion For: Approval  
 38.101-1 v..  
 Source: Skyworks Solutions Inc.*

**Abstract:**

In this contribution, we further discuss architecture and 4x4 DL MIMO support for n77(3A/4A) and regional needs and make proposals in order to introduce these combinations in Release 17.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

##### 11.2.2.1 UL MIMO configuration for SUL band configurations [NR\_RF\_FR1\_enh-Core]

**R4-2100799 CR on introducing NR SUL bands n80 to UL-MIMO configuration**

*Type: CR For: Agreement  
 38.101-1 v17.0.0 CR-0631 Cat: B (Rel-17)  
  
 Source: CMCC*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101854 Draft CR to TS 38.101-1 on switching time between SUL and NUL**

*Type: draftCR For: Endorsement  
 38.101-1 v17.0.0  
 Source: ZTE Wistron Telecom AB*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101855 Switching time for UL-MIMO enabled SUL band combination**

*Type: discussion For: Decision  
 Source: ZTE Wistron Telecom AB*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

##### 11.2.2.2 2Tx switching between carrier 1 and carrier 2 [NR\_RF\_FR1\_enh-Core]

**R4-2100496 Discussion on 2Tx switching**

*Type: discussion For: Discussion  
 Source: CATT*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100600 Discussion on power boosting for 2Tx switching**

*Type: discussion For: Discussion  
 Source: Qualcomm Incorporated*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100790 Remaining issues on Tx switching enhancement and draft LS**

*Type: discussion For: Discussion  
 Source: China Telecom*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100791 Switching time mask for 2Tx-2Tx switching between two carriers and 1Tx-2Tx/2Tx-2Tx switching between two bands in Rel-17**

*Type: CR For: Agreement  
 38.101-1 v17.0.0 CR-0628 Cat: B (Rel-17)  
  
 Source: China Telecom*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100800 Discussion on 2Tx switching between carrier 1 and carrier 2**

*Type: discussion For: Discussion  
 Source: CMCC*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101754 Discussion on Rel-17 power boosting in switched UL transmission**

*Type: discussion For: Approval  
 Source: OPPO*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102706 Further discussion on Tx Switching enhancment**

*Type: discussion For: Discussion  
 Source: vivo*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

##### 11.2.2.3 Tx switching between 1 carrier on band A and 2 contiguous aggregated carriers on band B [NR\_RF\_FR1\_enh-Core]

**R4-2100801 Discussion on Tx switching between 1 carrier on band A and 2 contiguous aggregated carriers on band B**

*Type: discussion For: Discussion  
 Source: CMCC*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101104 Discussion on remaining issue on UL Tx switching enhancement in R17**

*Type: other For: Approval  
 Source: Xiaomi*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101851 Discussion on 2Tx UL switching between two bands**

*Type: discussion For: Discussion  
 Source: ZTE Wistron Telecom AB*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102397 On 2Tx - 2Tx UE uplink switch**

*Type: other For: Approval  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

##### 11.2.2.4 HPUE for TDD intra-band contiguous UL CA [NR\_RF\_FR1\_enh-Core]

**R4-2100288 MPR/A-MPR initial simulation results according to candidate RF architectures**

*Type: other For: Approval  
 Source: LG Electronics France*

**Abstract:**

Provide initial MPR/A-MPR simulations results for PC2 NR intra-band contiguous CA

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100544 PC2 Class C UL CA UE Architecture and MPR/A-MPR evaluation**

*Type: discussion For: Approval  
 38.101-1 v..  
 Source: Skyworks Solutions Inc.*

**Abstract:**

This contribution discusses the transmitter architecture options for PC2 contiguous UL CA and reuses the measured data to make proposals for PC2 class B and C UL CA MPR and NS04 A-MPR.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101103 Discussion on HP UE for TDD intra-band contiguous UL CA**

*Type: other For: Approval  
 Source: Xiaomi*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101160 HPUE TDD+TDD MPR and AMPR**

*Type: other For: Approval  
 Source: Qualcomm Incorporated*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101755 Discussion on Rel-17 FR1 UL CA**

*Type: discussion For: Approval  
 Source: OPPO*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102133 Discussion on PC2 intra-band contiguous NR CA RF requirements**

*Type: other For: Approval  
 Source: ZTE Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **withdrawn**.

**R4-2102184 Discussion on PC2 intra-band contiguous NR CA RF requirements**

*Type: other For: Approval  
 Source: ZTE Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102657 on intra-band CA HPUE RF architecture and MPR**

*Type: other For: Approval  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

##### 11.2.2.5 HPUE for TDD intra-band non-contiguous UL CA [NR\_RF\_FR1\_enh-Core]

**R4-2100289 MPR/A-MPR initial simulation assumptions for PC2 NR intra-band NC CA**

*Type: other For: Approval  
 Source: LG Electronics France, LG Uplus*

**Abstract:**

Propose baseline RF architecture and basic simulation assumptions for MPR requirements for PC2 intra-band NC CA

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100572 PC2 non-contiguous UL CA UE Architecture and MPR/A-MPR evaluation**

*Type: discussion For: Approval  
 38.101-1 v..  
 Source: Skyworks Solutions Inc.*

**Abstract:**

This contribution discusses the transmitter architecture for PC2 non-contiguous Ul CA and provides the evaluation assumptions for n77 and n41 MPR and NS04 A-MPR.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102134 Discussion on PC2 intra-band non-contiguous NR CA**

*Type: other For: Approval  
 Source: ZTE Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **withdrawn**.

**R4-2102185 Discussion on PC2 intra-band non-contiguous NR CA**

*Type: other For: Approval  
 Source: ZTE Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102707 Discussion on SAR control scheme for TDD intra-band non-contiguous UL CA HPUE**

*Type: discussion For: Discussion  
 Source: vivo*

**Discussion:**

[report of discussion]

**Decision:** The document was **withdrawn**.

### 11.3 NR RF requirement enhancements for frequency range 2 (FR2) [NR\_RF\_FR2\_req\_enh2]

#### 11.3.1 General and work plan [NR\_RF\_FR2\_req\_enh2-Core]

**R4-2100264 Release 17 FR2 bandwidth class**

*Type: discussion For: Decision  
 Source: Verizon Denmark*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100693 Status overview and proposals on FR2 inter-band CA discussion**

*Type: discussion For: Approval  
 Source: MediaTek Beijing Inc.*

**Abstract:**

Proposal1: For “feasibility study stage”, RAN4 shall converge inter-band DL CA discussion firstly, before start to do inter-band UL CA feasibility study.

Proposal2: For “UE requirement discussion stage”, RAN4 shall specify exact band combination demand f

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101727 On the inter-band UL CA study and change of scope too include improved BC**

*Type: other For: Approval  
 Source: Ericsson, Sony*

**Abstract:**

In this contribution we propose that the scope of the UL inter-band study is reduced to give room for further work on beam correspondence

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

#### 11.3.2 RF core requirements [NR\_RF\_FR2\_req\_enh2-Core]

##### 11.3.2.1 Inter-band DL CA enhancements [NR\_RF\_FR2\_req\_enh2-Core]

###### 11.3.2.1.1 Applicability of CBM/IBM for different CA configurations [NR\_RF\_FR2\_req\_enh2-Core]

**R4-2100143 Specification differences between IBM and CBM**

*Type: discussion For: Discussion  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100570 Views on Applicability of CBM/IBM for different CA configurations**

*Type: other For: Approval  
 Source: Sony, Ericsson*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100598 Applicability for CBM and IBM for FR2 inter-band CA band combos**

*Type: other For: Approval  
 Source: Qualcomm Incorporated*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100636 Discussion on applicability of CBM and IBM for different CA configurations**

*Type: discussion For: Discussion  
 Source: LG Electronics*

**Abstract:**

It discusses applicability of CBM and IBM for different CA configurations for both UL CA and DL CA.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101284 Frequency separation class consideration for inter-band CA based on CBM**

*Type: discussion For: Discussion  
 Source: Intel Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101373 Frequency separation class for inter-band CA within the same frequency group based on CBM**

*Type: discussion For: Approval  
 Source: Xiaomi*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101756 Discussion on Rel-17 FR2 CBM IBM**

*Type: discussion For: Approval  
 Source: OPPO*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102131 Discussion on FR2 Inter-band DL CA enhancements**

*Type: other For: Approval  
 Source: ZTE Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **withdrawn**.

**R4-2102182 Discussion on FR2 Inter-band DL CA enhancements**

*Type: other For: Approval  
 Source: ZTE Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102511 Discussion on the CBM/IBM applicability of Rel-17 FR2 inter-band CA**

*Type: discussion For: Approval  
 Source: Google Inc.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102676 on CBM and IBM for FR2 inter-band DL CA**

*Type: other For: Approval  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

###### 11.3.2.1.2 UE requirements for CA configurations CA\_n258A-n260A and CA\_n257A-n259A based on IBM [NR\_RF\_FR2\_req\_enh2-Core]

**R4-2100620 RF specifications for DLCA n260A\_n258A and n259A\_n257A based on IBM**

*Type: other For: Approval  
 38.101-2 v..  
 Source: Qualcomm Incorporated*

**Abstract:**

Provides RF specifications for DLCA n260A\_n258A and n259A\_n257A

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100695 Proposals on PC3 RIB of CA\_n258A-n260A and CA\_n257A-n259A**

*Type: discussion For: Approval  
 Source: MediaTek Beijing Inc.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100747 FR2 inter-band CA for different frequency band groups with IBM**

*Type: other For: Approval  
 Source: Nokia, Nokia Shanghai Bell*

**Abstract:**

In this contribution, the general framework for FR2 inter-band DL CA for different frequency group based on IBM is discussed.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101199 Band specific requirements for FR2 DL Inter-band CA of n257n259 with IBM**

*Type: other For: Approval  
 Source: NTT DOCOMO INC.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102138 Discussion on UE requirements for CA configurations based on IBM**

*Type: other For: Approval  
 Source: ZTE Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **withdrawn**.

**R4-2102189 Discussion on UE requirements for CA configurations based on IBM**

*Type: other For: Approval  
 Source: ZTE Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102607 CA\_n258A-n260A and CA\_n257A-n259A based on IBM**

*Type: other For: Discussion  
 38.101-2 v..  
 Source: Apple*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

###### 11.3.2.1.3 UE requirements for CA configurations within the same frequency group based on CBM [NR\_RF\_FR2\_req\_enh2-Core]

**R4-2100142 IBM RF requirements for CA configurations within same frequency group**

*Type: other For: Approval  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100621 CBM requirements for DLCA band combinations from the same frequency group**

*Type: other For: Approval  
 38.101-2 v..  
 Source: Qualcomm Incorporated*

**Abstract:**

Provides a framework for CBM requirements for DLCA band combinations from the same frequency group

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102608 Inter-band DL CA within same frequency group based on CBM**

*Type: other For: Approval  
 38.101-2 v..  
 Source: Apple*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

##### 11.3.2.2 Inter-band UL CA [NR\_RF\_FR2\_req\_enh2-Core]

###### 11.3.2.2.1 UE requirements for CA configuration CA\_n257A-n259A based on IBM [NR\_RF\_FR2\_req\_enh2-Core]

**R4-2100697 Views on inter-band UL CA power class definition**

*Type: discussion For: Approval  
 Source: MediaTek Beijing Inc.*

**Abstract:**

Proposal1: For min requirement of “simultaneous uplink in multiple bands”, “per UE” concept shall be applied.

Proposal2: Clarify whether apply power sharing mechanism for FR2 inter-band UL CA firstly, before discuss the details about based on “EIRP” or “

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101202 UE requirements for FR2 UL Inter-band CA**

*Type: other For: Approval  
 Source: NTT DOCOMO INC.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101283 Consideration on inter-band UL CA RF requirements**

*Type: discussion For: Discussion  
 Source: Intel Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101374 The MOP and Tx requirements for inter-band UL CA in FR2**

*Type: discussion For: Approval  
 Source: Xiaomi*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

#### 11.3.3 Feasibility study [NR\_RF\_FR2\_req\_enh2-Core]

**R4-2100637 Discussion on feasibility for inter-band CA configurations**

*Type: discussion For: Discussion  
 Source: LG Electronics*

**Abstract:**

It discusses feasibility for inter-band CA configurations.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

##### 11.3.3.1 Inter-band DL CA enhancements [NR\_RF\_FR2\_req\_enh2-Core]

**R4-2102714 Simulation and analysis of FR2 inter-band DL CA based on CBM/IBM**

*Type: discussion For: Discussion  
 Source: vivo*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

###### 11.3.3.1.1 Feasibility study for CA configurations within same frequency group based on IBM [NR\_RF\_FR2\_req\_enh2-Core]

**R4-2100893 Discussion on IBM inter-band CA within same frequency group**

*Type: discussion For: Discussion  
 Source: Samsung*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101375 The IBM UE capability for inter-band CA within the same frequency group**

*Type: discussion For: Approval  
 Source: Xiaomi*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

###### 11.3.3.1.2 Feasibility study for CA configurations between different frequency groups based on CBM [NR\_RF\_FR2\_req\_enh2-Core]

**R4-2100240 On the feasibility of CBM for FR2 inter-band CA cross different frequency groups**

*Type: discussion For: Discussion  
 Source: Apple*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101376 The CBM UE capability for inter-band CA between different frequency groups**

*Type: discussion For: Approval  
 Source: Xiaomi*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

##### 11.3.3.2 Inter-band UL CA [NR\_RF\_FR2\_req\_enh2-Core]

**R4-2102715 Discussion on FR2 inter-band UL CA**

*Type: discussion For: Discussion  
 Source: vivo*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

###### 11.3.3.2.1 Feasibility study for CA configurations within same frequency group based on IBM and CBM [NR\_RF\_FR2\_req\_enh2-Core]

**R4-2100619 Definition of TRP and EIRP for FR2 ULCA**

*Type: other For: Approval  
 38.101-2 v..  
 Source: Qualcomm Incorporated*

**Abstract:**

Provides definitions for TRP and EIRP for FR2 ULCA

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

###### 11.3.3.2.2 Feasibility study for CA configurations between different frequency groups based on CBM [NR\_RF\_FR2\_req\_enh2-Core]

#### 11.3.4 UL gaps for self-calibration and monitoring [NR\_RF\_FR2\_req\_enh2-Core]

**R4-2100825 Performance evaluation for calibration**

*Type: discussion For: Discussion  
 Source: CMCC*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

##### 11.3.4.1 Gap use cases and performance evaluation [NR\_RF\_FR2\_req\_enh2-Core]

**R4-2100218 UL gaps for Tx power management**

*Type: discussion For: Discussion  
 Source: Apple*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101129 Discussion on the UL Gap**

*Type: discussion For: Discussion  
 Source: LG Electronics Finland*

**Abstract:**

Use cases and metrics are further discussed in this contribution.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101200 Consideration on FR2 UL gap for self calibration and monitering**

*Type: other For: Approval  
 Source: NTT DOCOMO INC.*

**Discussion:**

[report of discussion]

**Decision:** The document was **withdrawn**.

**R4-2101467 Discussion on UL gap for self-calibration and monitoring**

*Type: discussion For: Discussion  
 Source: vivo*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102623 on gaps for self-calibration and monitoring**

*Type: other For: Approval  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102680 Power calibration gap UE improvement requirements**

*Type: discussion For: Agreement  
 Source: Ericsson, Sony*

**Abstract:**

This paper disusses the performance iprovements required for UEs supporting PCGs

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

##### 11.3.4.2 Others [NR\_RF\_FR2\_req\_enh2-Core]

**R4-2100144 FR2 UL gaps for self-calibration and monitoring**

*Type: other For: Approval  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100217 UL gaps for tranceiver calibration**

*Type: discussion For: Discussion  
 Source: Apple*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100599 UL calibration gap continuation**

*Type: other For: Approval  
 Source: Qualcomm Incorporated*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

#### 11.3.5 RRM core requirements [NR\_RF\_FR2\_req\_enh2-Core]

**R4-2100241 On MRTD for CBM for FR2 interband CA**

*Type: discussion For: Discussion  
 Source: Apple*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100640 Discussion on MRTD and MTTD requirements on CBM and IBM for FR2 inter-band CA**

*Type: discussion For: Discussion  
 Source: LG Electronics*

**Abstract:**

It discusses MRTD and MTTD requirements on CBM and IBM for FR2 inter-band CA.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

##### 11.3.5.1 Inter-band DL CA enhancements [NR\_RF\_FR2\_req\_enh2-Core]

**R4-2101077 Discussion on FR2 inter-band DL CA enhancements**

*Type: discussion For: Approval  
 Source: NEC*

**Abstract:**

We provide our views on some of the FR2 enhancements and MRTD requirement for FR2 inter-band CA

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101266 RRM requirements for inter-band DL CA in NR FR2**

*Type: discussion For: Discussion  
 Source: Intel Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101540 Discussion on RRM requirements for FR2 inter-band DL CA enhancements**

*Type: discussion For: Discussion  
 Source: OPPO*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101686 Discussion on RRM impacts for FR2 inter-band DL CA enhancement in Rel-17**

*Type: discussion For: Discussion  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101867 Support up to 3 us MRTD**

*Type: other For: Approval  
 Source: Ericsson*

**Abstract:**

In this contribution we develop why at least 3us MRTD is feasible from both from a network perspective and a UE perspective, for co-located deployments.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101868 Updates on MRTD requirements for FR2 inter-band DL CA**

*Type: CR For: Agreement  
 38.133 v17.0.0 CR-1688 Cat: B (Rel-17)  
  
 Source: Ericsson*

**Abstract:**

Updates on MRTD requirements for FR2 inter-band DL CA

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102267 Discussion on FR2 RF RRM**

*Type: discussion For: Discussion  
 38.133 v..  
 Source: Nokia, Noki Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

##### 11.3.5.2 Inter-band UL CA [NR\_RF\_FR2\_req\_enh2-Core]

**R4-2101687 Discussion on RRM impacts for FR2 inter-band UL CA in Rel-17**

*Type: discussion For: Discussion  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101869 Updates on MTTD requirements for FR2 inter-band DL CA**

*Type: CR For: Agreement  
 38.133 v17.0.0 CR-1689 Cat: B (Rel-17)  
  
 Source: Ericsson*

**Abstract:**

Updates on MTTD requirements for FR2 inter-band DL CA

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

### 11.4 Further RRM enhancement for NR and MR-DC [NR\_RRM\_enh2]

#### 11.4.1 General and work plan [NR\_RRM\_enh2-Core]

#### 11.4.2 RRM core requirements [NR\_RRM\_enh2-Core]

##### 11.4.2.1 SRS antenna port switching [NR\_RRM\_enh2-Core]

**R4-2100192 On SRS antenna port switching**

*Type: discussion For: Discussion  
 38.133 v..  
 Source: Apple*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100400 Discussion on SRS antenna port switching**

*Type: discussion For: Discussion  
 Source: CATT*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100634 SRS antenna switch discussion**

*Type: discussion For: Discussion  
 Source: Qualcomm, Inc.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100655 Discussion on interruption due to SRS antenna port switching**

*Type: discussion For: Discussion  
 Source: LG Electronics Inc.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100726 Discussion on SRS antenna switching RRM requirements**

*Type: discussion For: Discussion  
 Source: Xiaomi*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101078 Discussion on SRS antenna port switching**

*Type: discussion For: Approval  
 Source: NEC*

**Abstract:**

We analyze the interruption requirements for SRS antenna port switching

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101223 Discussion on SRS antenna port switching**

*Type: discussion For: Discussion  
 Source: MediaTek inc.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101379 Considerations on SRS antenna port switching**

*Type: discussion For: Discussion  
 Source: vivo*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101392 Discussion on the interruption requirements at SRS antenna port switching**

*Type: discussion For: Discussion  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101414 Discussion on SRS antenna port switching**

*Type: discussion For: Discussion  
 Source: Intel Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101656 Discussion on requirements for SRS antenna switching**

*Type: discussion For: Discussion  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102534 On RRM requirements for SRS antenna port switching**

*Type: discussion For: Discussion  
 Source: Ericsson*

**Abstract:**

On RRM requirements for SRS antenna port switching

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

##### 11.4.2.2 HO with PSCell [NR\_RRM\_enh2-Core]

**R4-2100114 Discussion on handover with PSCell**

*Type: discussion For: Discussion  
 Source: ZTE Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100193 On RRM requirement for handover with PSCell**

*Type: discussion For: Discussion  
 38.133 v..  
 Source: Apple*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100401 Discussion on HO with PSCell**

*Type: discussion For: Discussion  
 Source: CATT*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100710 Discussion on RRM requirements for handover with PSCell**

*Type: discussion For: Discussion  
 Source: Xiaomi*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100867 Discussion on HO with PSCell**

*Type: discussion For: Approval  
 Source: CMCC*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101079 Discussion on PSCell HO**

*Type: discussion For: Approval  
 Source: NEC*

**Abstract:**

We analyze the requirements for HO with PSCell

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101112 Views on HO with PSCell**

*Type: discussion For: Discussion  
 38.133 v..  
 Source: NTT DOCOMO, INC.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101415 Discussion on HO with PSCell**

*Type: discussion For: Discussion  
 Source: Intel Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101657 Discussion on requirements for HO with PSCell**

*Type: discussion For: Discussion  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102364 On handover with PSCell**

*Type: discussion For: Discussion  
 Source: Ericsson*

**Abstract:**

Discussion on handover with PSCell

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102625 Views on specifying the requirements for HO with PSCell**

*Type: discussion For: (not specified)  
 38.133 v..  
 Source: Qualcomm CDMA Technologies*

**Abstract:**

Views on what to consider when discussing the requirements for HO with PSCell

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

##### 11.4.2.3 PUCCH SCell activation/deactivation [NR\_RRM\_enh2-Core]

**R4-2100194 On PUCCH SCell activation and deactivation**

*Type: discussion For: Discussion  
 38.133 v..  
 Source: Apple*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100402 Discussion on PUCCH SCell activationdeactivation**

*Type: discussion For: Discussion  
 Source: CATT*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100711 Discussion on SCell activation and deactication requirements for PUCCH Scell**

*Type: discussion For: Discussion  
 Source: Xiaomi*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100872 Discussion on PUCCH SCell activation/deactivation**

*Type: discussion For: Approval  
 Source: CMCC*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101046 Discussions on PUCCH SCell Activation/Deactivation delay requirements**

*Type: discussion For: Discussion  
 38.133 v..  
 Source: NTT DOCOMO, INC.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101080 Discussion on PUCCH SCell activation**

*Type: discussion For: Approval  
 Source: NEC*

**Abstract:**

We analyze the requirements for PUCCH SCell activation/deactivation for single and multiple SCells

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101380 Considerations on PUCCH SCell activation and deactivation**

*Type: discussion For: Discussion  
 Source: vivo*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101391 Discussion on the activation and deactivation delay requirements for PUCCH SCell**

*Type: discussion For: Discussion  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101536 Views on RRM requirements for PUCCH SCell Activation/Deactivation**

*Type: discussion For: Discussion  
 Source: OPPO*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101658 Discussion on requirements for PUCCH SCell activation**

*Type: discussion For: Discussion  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102365 On SCell (de)activation with PUCCH**

*Type: discussion For: Discussion  
 Source: Ericsson*

**Abstract:**

Discussion on SCell activation and deactivation for PUCCH SCell.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102892 Discussion on PUCCH SCell Activation**

*Type: discussion For: Discussion  
 38.133 v..  
 Source: Qualcomm Incorporated*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

### 11.5 NR and MR-DC measurement gap enhancements [NR\_MG\_enh]

#### 11.5.1 General and work plan [NR\_MG\_enh-Core]

**R4-2101061 Work plan of R17 NR and MR-DC measurement gap enhancements WI**

*Type: discussion For: Approval  
 Source: MediaTek Inc., Intel Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

#### 11.5.2 RRM core requirements [NR\_MG\_enh-Core]

##### 11.5.2.1 Pre-configured MG pattern(s) [NR\_MG\_enh-Core]

**R4-2100221 Consideration on preconfigured measurement gap patterns**

*Type: discussion For: Discussion  
 Source: Apple*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100454 Initial discussion on pre-configured MG pattern**

*Type: discussion For: Discussion  
 Source: CATT*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100712 Discussion on pre-configured MG pattern for NR**

*Type: discussion For: Discussion  
 Source: Xiaomi*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100871 Discussion on pre-configured MG pattern(s)**

*Type: discussion For: Discussion  
 Source: CMCC*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101062 Pre-configured MG pattern(s) per configured BWP**

*Type: discussion For: Discussion  
 Source: MediaTek inc.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101269 Discussion on pre-configured measurement gap**

*Type: discussion For: Discussion  
 Source: Intel Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101381 Considerations on pre-configured MG patterns**

*Type: discussion For: Discussion  
 Source: vivo*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101537 Views on pre-configured MG pattern(s) for NR\_MG\_enh**

*Type: discussion For: Discussion  
 Source: OPPO*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102268 Discussion on Pre-configured MG pattern(s)**

*Type: discussion For: Discussion  
 38.133 v..  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102622 Views on pre-configured MG patterns**

*Type: discussion For: (not specified)  
 38.133 v..  
 Source: Qualcomm CDMA Technologies*

**Abstract:**

Views on necessary issues for clarifications on preconfigured MG

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102655 Overview of requirements for pre-configured measurement gaps**

*Type: other For: Discussion  
 Source: Ericsson*

**Abstract:**

This document analysis RRM requirements for pre-configured MG in NR and MR-DC

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102810 Initial discussion on (de)activation of pre-configured MGs**

*Type: discussion For: Discussion  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

##### 11.5.2.2 Multiple concurrent and independent MG patterns [NR\_MG\_enh-Core]

**R4-2100113 Discussion on independent and concurrent MGs**

*Type: discussion For: Discussion  
 Source: ZTE Corporation*

**Abstract:**

This paper discusses some conceptual issues related to concurrent MGs.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100222 Discussion on multiple concurrent and independent MG patterns**

*Type: discussion For: Discussion  
 Source: Apple*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100455 Initial discussion on multiple concurrent and independent MG patterns**

*Type: discussion For: Discussion  
 Source: CATT*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100641 Discussion on multiple concurrent and independent MG patterns**

*Type: discussion For: Discussion  
 Source: LG Electronics*

**Abstract:**

It discusses multiple concurrent and independent MG patterns.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100713 Discussion on multiple concurrent and independent MG patterns for NR**

*Type: discussion For: Discussion  
 Source: Xiaomi*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100870 Discussion on multiple concurrent and independent MG patterns**

*Type: discussion For: Discussion  
 Source: CMCC*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101063 Multiple concurrent and independent gap patterns**

*Type: discussion For: Discussion  
 Source: MediaTek inc.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101081 Discussion on NR measurement gap enhancements requirements**

*Type: discussion For: Approval  
 Source: NEC*

**Abstract:**

We discuss the principle for defining requirements for multiple concurrent and independent MG patterns

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101270 Discussion on multiple and independent concurrent measurement gaps in NR**

*Type: discussion For: Discussion  
 Source: Intel Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101538 Views on Multiple concurrent and independent MG patterns for NR\_MG\_enh**

*Type: discussion For: Discussion  
 Source: OPPO*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102269 Discussion on multiple concurrent and independent MG patterns**

*Type: discussion For: Discussion  
 38.133 v..  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102297 On requirements for mulitple concurrent and independent MG patterns**

*Type: discussion For: Discussion  
 Source: Qualcomm Incorporated*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102535 On parallel measurement gap patterns**

*Type: discussion For: Discussion  
 Source: Ericsson*

**Abstract:**

On parallel measurement gap patterns

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102811 Initial discussion on multiple concurrent MGs**

*Type: discussion For: Discussion  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

##### 11.5.2.3 Network Controlled Small Gap [NR\_MG\_enh-Core]

**R4-2100223 On network controlled small gap**

*Type: discussion For: Discussion  
 Source: Apple*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100456 Initial discussion on Network Controlled Small Gap (NCSG)**

*Type: discussion For: Discussion  
 Source: CATT*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100460 CR on NCSG in 38.133**

*Type: draftCR For: Endorsement  
 38.133 v17.0.0  
 Source: CATT*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101064 Network Controlled Small Gap**

*Type: discussion For: Discussion  
 Source: MediaTek inc.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101271 Discussion on NCSG in NR**

*Type: discussion For: Discussion  
 Source: Intel Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101382 Considerations on network controlled small gap**

*Type: discussion For: Discussion  
 Source: vivo*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101539 Views on pre-configured MG pattern(s) for NR\_MG\_enh**

*Type: discussion For: Discussion  
 Source: OPPO*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102611 Discussion on network controlled small gap**

*Type: discussion For: (not specified)  
 38.133 v..  
 Source: Qualcomm CDMA Technologies*

**Abstract:**

Views on requirements and issues suggested for clarifications on NCSG

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102656 Overview of requirements for network controlled small gap**

*Type: other For: Discussion  
 Source: Ericsson*

**Abstract:**

This document analysis RRM requirements for NCSG in NR and MR-DC

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102689 On Introduction of Network Controlled Small Gaps for NR**

*Type: discussion For: Discussion  
 Source: Nokia, Nokia Shanghai Bell*

**Abstract:**

Discussion on introduction of NCSG for NR

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102812 Initial discussion on NCSG**

*Type: discussion For: Discussion  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

### 11.6 Enhancement for NR high speed train scenario in FR1 [NR\_HST\_FR1\_enh-Core]

#### 11.6.1 General and work plan [NR\_HST\_FR1\_enh-Core]

#### 11.6.2 RRM core requirements [NR\_HST\_FR1\_enh-Core]

##### 11.6.2.1 UE RRM core requirements for CA scenario [NR\_HST\_FR1\_enh-Core]

**R4-2100224 On R17 FR1 HST RRM measurement requirement**

*Type: discussion For: Discussion  
 Source: Apple*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100475 Discussion on CA for NR FR1 HST**

*Type: discussion For: Discussion  
 Source: CATT*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100633 FR1 HST RRM discussion**

*Type: discussion For: Discussion  
 Source: Qualcomm, Inc.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100857 General discussion on NR HST RRM enhancement for FR1 CA scenario**

*Type: discussion For: Approval  
 Source: CMCC*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101140 On SCell RRM enhancement for NR high speed train scenario in FR1**

*Type: discussion For: Discussion  
 38.133 v..  
 Source: Ericsson*

**Abstract:**

Discuss Scell RRM enhancement for high speed train in FR1

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101141 On SCell RRM enhancement for NR high speed train scenario in FR1**

*Type: draftCR For: Endorsement  
 38.133 v17.0.0  
 Source: Ericsson*

**Abstract:**

Discuss Scell RRM enhancement for high speed train in FR1

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101173 Discussion on high speed train for CA in FR1**

*Type: discussion For: Discussion  
 38.133 v..  
 Source: MediaTek inc.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101707 Discussion on Enhancement for NR high speed train scenario in FR1**

*Type: discussion For: Discussion  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102863 On RRM enhancements for HST scenarios for FR1 CA**

*Type: other For: Discussion  
 38.133 v..  
 Source: Nokia, Nokia Shanghai Bell*

**Abstract:**

The document discusses the measurement requirement for SCells under HST scenarios.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

#### 11.6.3 UE demodulation requirements (38.101-4) [NR\_HST\_FR1\_enh-Perf]

##### 11.6.3.1 General [NR\_HST\_FR1\_enh-Perf]

##### 11.6.3.2 PDSCH requirements for CA scenarios [NR\_HST\_FR1\_enh-Perf]

**R4-2100858 General discussion on NR HST UE demodulation for FR1 CA scenario**

*Type: discussion For: Approval  
 Source: CMCC*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101260 Views on NR HST CA PDSCH performance requirements**

*Type: discussion For: Discussion  
 Source: Intel Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101308 Discussion on PDSCH CA scenarios for NR UE HST FR1 performance requirements**

*Type: discussion For: Discussion  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101370 Views on HST CA tests for FR1**

*Type: discussion For: Discussion  
 Source: NTT DOCOMO, INC.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101439 PDSCH demodulation requirements for CA with HST-SFN scenario**

*Type: discussion For: Discussion  
 Source: Ericsson*

**Abstract:**

This contribution shows our view on the PDSCH demodulation requirements for CA with HST-SFN scenario.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

##### 11.6.3.3 Enhanced transmission schemes [NR\_HST\_FR1\_enh-Perf]

**R4-2100859 Discussion on NR HST UE demodulation for enhanced transmission scheme**

*Type: discussion For: Approval  
 Source: CMCC*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101261 Views on NR HST PDSCH performance requirements for multi-DCI based Tx scheme**

*Type: discussion For: Discussion  
 Source: Intel Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101309 Discussion on enhanced transmission schemes for NR HST demodulation**

*Type: discussion For: Discussion  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101440 PDSCH demodulation requirements with enhanced transmission schemes in HST scenario**

*Type: discussion For: Discussion  
 Source: Ericsson*

**Abstract:**

This contribution shows our view on the PDSCH demodulation requirements with enhanced transmission schemes in HST scenario.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

### 11.7 NR support for high speed train scenario in FR2 [NR\_HST\_FR2\_enh]

#### 11.7.1 General and work plan [NR\_HST\_FR2\_enh-Core]

**R4-2102103 HST FR2 general aspects**

*Type: other For: Approval  
 Source: Ericsson*

**Abstract:**

Considers general work needed to determine supportable speed, including demod

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102266 NR support for high speed train scenario in frequency range 2 (FR2)**

*Type: other For: Approval  
 38.133 v..  
 Source: Nokia, Nokia Shanghai Bell, Samsung*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

#### 11.7.2 High speed train deployment scenario in FR2 [NR\_HST\_FR2\_enh-Core]

**R4-2100631 FR2 HST general discussion**

*Type: discussion For: Discussion  
 Source: Qualcomm, Inc.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100915 Further discussion on high speed train deployment scenario in FR2**

*Type: discussion For: Discussion  
 Source: Samsung*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100916 Simulation results and analysis on HST deployment scenario in FR2**

*Type: discussion For: Discussion  
 Source: Samsung*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101267 Discussion on deployment scenarios for NR HST in FR2**

*Type: discussion For: Discussion  
 Source: Intel Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101368 Discussion on deployment scenarios for FR2 HST**

*Type: discussion For: Discussion  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101856 Deployment scenarios for HST FR2**

*Type: discussion For: Discussion  
 Source: ZTE Wistron Telecom AB*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102093 Simulation results for HST in FR2**

*Type: discussion For: Discussion  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102099 On high-speed train deployment scenario in FR2**

*Type: discussion For: Discussion  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102104 HST FR2 deployment aspects**

*Type: other For: Approval  
 Source: Ericsson*

**Abstract:**

Considers antenna, link budget, deployment etc.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

#### 11.7.3 UE RF core requirements [NR\_HST\_FR2\_enh-Core]

**R4-2100632 FR2 HST RRM discussion**

*Type: discussion For: Discussion  
 Source: Qualcomm, Inc.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100918 Discussion on UE RF requirement for FR2 HST**

*Type: discussion For: Discussion  
 Source: Samsung*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102561 Power Class 4 for HST**

*Type: discussion For: Discussion  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102679 Consideration on UE requirements for FR2 HST**

*Type: discussion For: Discussion  
 Source: Ericsson*

**Abstract:**

This paper discusses the need for spherical coverage requirements for HST FR2 UEs as well as max output pwr

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

#### 11.7.4 RRM core requirements [NR\_HST\_FR2\_enh-Core]

**R4-2100220 Discussion on RRM requirement for high speed train scenario in FR2**

*Type: discussion For: Discussion  
 Source: Apple*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100476 Discussion on NR FR2 HST**

*Type: discussion For: Discussion  
 Source: CATT*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100477 Initial performance evaluation for cell identification in NR FR2 HST scenario**

*Type: discussion For: Discussion  
 Source: CATT*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100866 General discussion on RRM requirements for FR2 HST**

*Type: discussion For: Approval  
 Source: CMCC*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100917 Discussion on RRM requirement for FR2 HST**

*Type: discussion For: Discussion  
 Source: Samsung*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101138 On expected RRM impact for HST in FR2**

*Type: discussion For: Discussion  
 Source: Nokia*

**Abstract:**

Discussion about RRM sections to have potential impact due to the introduciton of HST in FR2.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101142 Overview of RRM requirements for NR high speed train scenario in FR2**

*Type: discussion For: Discussion  
 38.133 v..  
 Source: Ericsson*

**Abstract:**

an overview of which spec. should be considered in order to support FR2 HST scenario.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101268 RRM requirements for NR HST in FR2**

*Type: discussion For: Discussion  
 Source: Intel Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101708 Preliminary discussion on NR support for high speed train scenario in FR2**

*Type: discussion For: Discussion  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

### 11.8 Solutions for NR to support non-terrestrial networks (NTN) [NR\_NTN\_solutions]

#### 11.8.1 General and work plan [NR\_NTN\_solutions-Core]

**R4-2101813 Discussion on exemplary bands for NTN topic**

*Type: other For: Approval  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102175 NTN Reference model**

*Type: other For: Approval  
 Source: Ericsson*

**Abstract:**

This contribution is proposing specification structure for the introduction of NTN

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

#### 11.8.2 Use cases, deployment scenarios, and regulatory information [NR\_NTN\_solutions-Core]

**R4-2100399 Discussion on frequency band and scenarios for NTN**

*Type: discussion For: Discussion  
 Source: CATT*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100824 Examplary bands for NTN**

*Type: discussion For: Discussion  
 Source: CMCC*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100905 Views on NTN exemplary bands**

*Type: discussion For: Agreement  
 Source: Samsung*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101814 General discussion on Network structure on NTN topics**

*Type: other For: Approval  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101858 Criteria for Choosing FR1 Exemplary Band**

*Type: discussion For: Decision  
 Source: THALES*

**Abstract:**

In order to select a proper exemplary MSS FR1 band (in terms in bandwidth, throughput and regulatory requirements) this document proposes the criteria to be taken into account for exemplary FR1 band selection, to be considered by RAN4 work.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101933 NTN - On use cases and deployment scenarios**

*Type: discussion For: Approval  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102173 NTN - Regulatory and spectrum aspects**

*Type: other For: Approval  
 Source: Ericsson*

**Abstract:**

Based on Radio Regulations analysis, this contribution is discussing NTN spectrum aspects

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102374 Discussion on satellite bands outside FR1/FR2 range for NR based satellite networks**

*Type: discussion For: Discussion  
 Source: HUGHES Network Systems, Thales, Inmarsat, Intelsat, Fraunhofer, ESA*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

#### 11.8.3 Coexistence aspects [NR\_NTN\_solutions-Core]

**R4-2101859 NTN FR1 Coexistence Scenarios and Related Core Requirements**

*Type: discussion For: Decision  
 Source: THALES*

**Abstract:**

This contribution refers to MSS FR1 band possible interference situations to be considered by RAN4 coexistence studies in adjacent bands.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101880 Simulations for NTN FR1 Coexistence Cases**

*Type: discussion For: Decision  
 Source: THALES*

**Abstract:**

This contribution proposes to down-scope coexistence scenarios to be considered for simulations, e.g. consider only NTN extreme cases.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

##### 11.8.3.1 Simulation assumptions [NR\_NTN\_solutions-Core]

**R4-2100486 Simulaiton assumptions for NTN co-existence**

*Type: discussion For: Discussion  
 Source: CATT*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100904 Simulation assumption for FR1 coexistence study**

*Type: discussion For: Agreement  
 Source: Samsung*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101105 Coexistence study on NR to support non-terrestrial networks**

*Type: other For: Approval  
 Source: Xiaomi*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101812 General discussion on NTN simulation assumptions**

*Type: other For: Approval  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101934 NTN - HAPS simulation assumptions for co-existence study**

*Type: discussion For: Approval  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101964 Discussion on simulation assumptions for NTN coexistence study**

*Type: other For: Approval  
 Source: ZTE Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102174 NTN Simulations assumptions discussion**

*Type: other For: Approval  
 Source: Ericsson*

**Abstract:**

This contribution provides an overview of the needed simulations for NTN and initiates related discussions

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102508 Simulation assumptions for NR NTN co-existence study**

*Type: discussion For: (not specified)  
 Source: Qualcomm Incorporated*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

##### 11.8.3.2 UE requirements aspects [NR\_NTN\_solutions-Core]

##### 11.8.3.3 BS requirements aspects [NR\_NTN\_solutions-Core]

**R4-2100111 NTN architecture aspects**

*Type: discussion For: Decision  
 Source: THALES*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100487 Consideration on BS requirement impact for NTN**

*Type: discussion For: Discussion  
 Source: CATT*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101935 NTN - HAPS adjacent channel coexistence**

*Type: discussion For: Approval  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102176 NTN - BS requirements overview**

*Type: discussion For: Discussion  
 Source: Ericsson*

**Abstract:**

This contribution is giving an overview of candidate BS RF requirements for NTN

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

#### 11.8.4 RRM core requirements [NR\_NTN\_solutions-Core]

**R4-2101882 NTN PVT Accuracy Aspects**

*Type: discussion For: Information  
 Source: THALES*

**Abstract:**

The goal of this document is to recall some basic principles required for the PVT (Position Velocity and Time) computation and distribution to UEs.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

##### 11.8.4.1 General [NR\_NTN\_solutions-Core]

**R4-2100780 Discussion on UE Pre-compensation for UL synchronization for in NTN**

*Type: discussion For: Discussion  
 Source: MediaTek inc.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101864 Architecture and reference point**

*Type: other For: Approval  
 Source: Ericsson*

**Abstract:**

Discussion with draft LS for information from RAN4 to RAN1 about impact of different reference points.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102813 Discussion on general issues for NTN RRM**

*Type: discussion For: Discussion  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102893 Discussion on RRM in NTN Systems**

*Type: discussion For: Discussion  
 38.133 v..  
 Source: Qualcomm Incorporated*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

##### 11.8.4.2 Timing requirements [NR\_NTN\_solutions-Core]

**R4-2100647 Discussion on timing requirements for NTN**

*Type: discussion For: Discussion  
 Source: LG Electronics UK*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100714 Discussion on timing requirements for NTN**

*Type: discussion For: Discussion  
 Source: Xiaomi*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100819 Discussion on NTN timing requirements**

*Type: discussion For: Discussion  
 Source: CMCC*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101541 Discussion on timing requirements for NR NTN RRM**

*Type: discussion For: Discussion  
 Source: OPPO*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101865 RRM Timing requirements**

*Type: other For: Approval  
 Source: Ericsson*

**Abstract:**

RRM timing requirements discussion and analysis.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102814 Discussion on NTN timing related requirements**

*Type: discussion For: Discussion  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

##### 11.8.4.3 Measurement requirements [NR\_NTN\_solutions-Core]

**R4-2100646 Discussion on measurement requirements for NTN**

*Type: discussion For: Discussion  
 Source: LG Electronics UK*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100715 Discussion on measurement requirements for NTN**

*Type: discussion For: Discussion  
 Source: Xiaomi*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100802 Discussion on NTN RRM measurement requirements**

*Type: discussion For: Discussion  
 Source: CMCC*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101712 Discussion on NTN measurement**

*Type: discussion For: Discussion  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101866 RRM Measurement Requirements**

*Type: other For: Approval  
 Source: Ericsson*

**Abstract:**

RRM measurements requirements discussion and analysis.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

### 11.9 UE Power Saving Enhancements [NR\_UE\_pow\_sav\_enh]

#### 11.9.1 General and work plan [NR\_UE\_pow\_sav\_enh-Core]

**R4-2101221 Work plan of Rel-17 Power Saving Enhancements**

*Type: Work Plan For: Approval  
 Source: MediaTek inc.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

#### 11.9.2 UE measurements relaxation for RLM and/or BFD [NR\_UE\_pow\_sav\_enh-Core]

**R4-2100043 On RLM and RLF relaxation for UE power saving**

*Type: discussion For: Discussion  
 Source: ZTE Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100219 UE measurements relaxation for RLM and/or BFD**

*Type: discussion For: Discussion  
 Source: Apple*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100474 Discussion on RLM/BFD relaxation factor**

*Type: discussion For: Discussion  
 Source: CATT*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100478 Initial performance evaluation for for RLM/BFD relaxation factor**

*Type: discussion For: Discussion  
 Source: CATT*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100725 Discussion on relaxation of RLM/BFD measurements**

*Type: discussion For: Discussion  
 Source: Xiaomi*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100821 Discussion on RLM/BFD relaxation for NR power saving enhancement**

*Type: discussion For: Discussion  
 Source: CMCC*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101139 Discussion and simulation results for RLM/BFD measurement relaxation**

*Type: discussion For: Discussion  
 Source: Nokia*

**Abstract:**

System level and power saving evaluation based on simulation assumptions, and other discussion related to RLM/BFD measurement relaxation.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101222 Evaluation on Rel-17 RLM/BFD measurement relaxation**

*Type: discussion For: Discussion  
 Source: MediaTek inc.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101461 Updated evaluation assumptions for R17 RLM/BFD relaxation**

*Type: other For: Approval  
 Source: vivo, MediaTek*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101462 Discussion on R17 RLM/BFD relaxation**

*Type: discussion For: Discussion  
 Source: vivo*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101463 Simulation results for R17 RLM/BFD relaxation**

*Type: other For: Information  
 Source: vivo*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101542 Discussion on UE measurement relaxation for RLM and/or BFD**

*Type: discussion For: Discussion  
 Source: OPPO*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101685 Discussion on feasibility of RLM/BFD measurement relaxation scheme for power saving enhancements**

*Type: discussion For: Discussion  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102239 Updated simulation assumptions for evaluating UE power saving for RLM and BM**

*Type: other For: Approval  
 Source: Ericsson*

**Abstract:**

In contribution contains updated simulation assumptions for evluating UE power saving for RLM and BM.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102240 Simulation results on UE power saving for RLM and BM**

*Type: discussion For: Discussion  
 Source: Ericsson*

**Abstract:**

In this contribution we present the SINR difference (delta SINR) for RLM-RS based on SSB for different relaxation factors and UE speeds as in agreed in previous meeting.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102241 Discussions on UE power saving for RLM and BM**

*Type: discussion For: Discussion  
 Source: Ericsson*

**Abstract:**

In this contribution we continue the discussions on release 17 UE power saving based on the identified issues from last meeting.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102587 Discussion on RLM/BFD Relaxation**

*Type: discussion For: Discussion  
 Source: Qualcomm Incorporated*

**Abstract:**

According to the Work Plan in [4], in the upcoming RAN4 meeting beneficial relaxation method and corresponding criteria for UE to enter the relaxation mode should be discussed. In the following sections our company’s views on the issues to be studied are

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

### 11.10 NR Sidelink enhancement [NRSL\_enh]

#### 11.10.1 General and work plan [NRSL\_enh]

**R4-2100282 TR38.xxx v0.0.1 TR Skeleton for SL enhancement in Rel-17**

*Type: other For: Agreement  
 Source: LG Electronics France*

**Abstract:**

Provide Draft TR skeleton for SL enhancement in Rel-17

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101938 Discussion on the adjacent channel coexistence simulation between SL and Uu in license band**

*Type: other For: Approval  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102342 Bandwidth for SL operating in n14**

*Type: other For: Approval  
 Source: Ericsson*

**Abstract:**

In this paper, we present our view on bandwidth support for n14.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

#### 11.10.2 Spectrum request for SL operation [NRSL\_enh-Core]

**R4-2101857 Additional Information for SL Operation in NR Band n14**

*Type: discussion For: Approval  
 Source: AT&T*

**Abstract:**

This contribution provides the additional information for SL operation in NR Band n14 that was requested in the approved WF in R4-2016923.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

#### 11.10.3 UE RF requirements for NR SL enhancement [NRSL\_enh-Core]

##### 11.10.3.1 TX requirements [NRSL\_enh-Core]

**R4-2100418 Discussion on UE Tx RF requirement for NR SL enhancement**

*Type: discussion For: Approval  
 Source: CATT*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101937 Discussion on n47 PC2 MPR simulation of Rel-17 SL enhancement**

*Type: other For: Approval  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102346 SL UE Timing mask for Partially used SL operation with NR Uu operating bands**

*Type: other For: Approval  
 Source: Ericsson*

**Abstract:**

In this paper, we present our view on timing mask for partially used SL operation with NR Uu operating bands in licensed band operation.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

##### 11.10.3.2 RX requirements [NRSL\_enh-Core]

**R4-2100419 Discussion on UE Rx RF requirement for NR SL enhancement**

*Type: discussion For: Approval  
 Source: CATT*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

#### 11.10.4 Partially used SL operation with NR Uu operating bands [NRSL\_enh-Core]

##### 11.10.4.1 Operating scenarios for partially used SL operation [NRSL\_enh-Core]

**R4-2100415 Discussion on operating scenarios for partial used SL operation**

*Type: discussion For: Approval  
 Source: CATT*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100784 General issues about licensed bands partially used for SL**

*Type: discussion For: Approval  
 Source: vivo*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101875 on operating scenarios for partially used SL operation**

*Type: discussion For: (not specified)  
 Source: Xiaomi*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102343 Operating scenarios for partially used SL operation**

*Type: other For: Approval  
 Source: Ericsson*

**Abstract:**

In this paper, we present our view on operation scenarios in licensed band operation.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

##### 11.10.4.2 Synchronous operation between NR Uu and NR SL in an operating band [NRSL\_enh-Core]

**R4-2100283 Consideration on partial usage operation with PC5 and Uu in a licensed band**

*Type: other For: Approval  
 Source: LG Electronics France*

**Abstract:**

propose as follow

Proposal 1: RAN4 allow TDM operation between PC5 and Uu operation in a licensed TDD band.

Proposal 2: RAN4 can specify the con-current V2X operation in TDD intra-band without in-device coexistence study. For the FDD intra-band con-curre

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100416 Discussion on synchronous operation between NR Uu and NR SL**

*Type: discussion For: Approval  
 Source: CATT*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101877 Synchronous operation between NR Uu and NR SL in an operating band**

*Type: discussion For: (not specified)  
 Source: Xiaomi*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102345 SL UE synchronization issue for licensed operation**

*Type: other For: Approval  
 Source: Ericsson*

**Abstract:**

In this paper, we present our view on timing alignment issue in licensed band operation.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

##### 11.10.4.3 Others [NRSL\_enh-Core]

#### 11.10.5 High power UE(PC2) for SL [NRSL\_enh-Core]

**R4-2100420 Discussion on PC2 for SL enhancement**

*Type: discussion For: Approval  
 Source: CATT*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101874 on HPUE signalling issue**

*Type: discussion For: (not specified)  
 Source: Xiaomi*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

##### 11.10.5.1 TX requirements [NRSL\_enh-Core]

**R4-2100284 PC2 MPR/A-MPR simulation assumptions for NR V2X UE in n47**

*Type: other For: Approval  
 Source: LG Electronics France*

**Abstract:**

Propose detail MPR/A-MPR simulation assumptions for PC2 NR V2X UE in Rel-17

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100785 Discussion on HPUE for NR sidelink enhancement in R17**

*Type: discussion For: Approval  
 Source: vivo*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101873 on HPUE for V2X RF requirements**

*Type: discussion For: (not specified)  
 Source: Xiaomi*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

##### 11.10.5.2 RX requirements [NRSL\_enh-Core]

#### 11.10.6 Other RF/general requirements for New SL enhancement [NRSL\_enh-Core]

**R4-2100417 Discussion on system parameters for newly introduced SL bands**

*Type: discussion For: Approval  
 Source: CATT*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102344 coexisting simulation assumption for public safety UC**

*Type: other For: Approval  
 Source: Ericsson*

**Abstract:**

In this paper, we present our view on coexisting simulation assumption for public safety UC in band n14 in licensed operation.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

### 11.11 NR repeater

#### 11.11.1 General and work plan [NR\_repeaters-Core]

**R4-2100375 Discussion on NR repeater general issues**

*Type: other For: Approval  
 Source: CATT*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100635 Discussion on Requirements for NR Repeaters**

*Type: discussion For: Approval  
 Source: CommScope Technologies AG*

**Abstract:**

This NR\_repeaters-Core WI aims to specify the RF and EMC requirements for NR repeaters, including repeaters operating in both the FR1 and FR2 bands, and repeaters that support both FDD and TDD operation.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100832 General parts of NR repeater**

*Type: discussion For: Discussion  
 Source: CMCC*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101041 Views on candidate bands for NR repeater**

*Type: other For: Approval  
 Source: NTT DOCOMO, INC.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101156 General views on NR repeater**

*Type: discussion For: Discussion  
 Source: MediaTek inc.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101963 Discussion on NR based repeater**

*Type: other For: Approval  
 Source: ZTE Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102108 Repeaters WI general considerations**

*Type: discussion For: Discussion  
 Source: Ericsson*

**Abstract:**

General considerations, especially test set-up

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102580 Consideration of duplex mode for the frequency bands for NR repeater**

*Type: discussion For: Agreement  
 Source: Huawei*

**Abstract:**

In this contribution we provide analysis on the duplex mode for the NR Repeater frequency bands.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102829 Common understanding of repeaters**

*Type: discussion For: Approval  
 Source: Qualcomm Incorporated*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102834 Work plan for NR Repeaters**

*Type: Work Plan For: Approval  
 Source: Qualcomm Incorporated*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

#### 11.11.2 Conductive RF core requirements [NR\_repeaters-Core]

**R4-2102418 NR repeater requirements**

*Type: discussion For: Discussion  
 Source: Huawei*

**Abstract:**

Study of the existing FDD and TDD repeater specification and how the requirements may be applied to an NR repeater.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

##### 11.11.2.1 Transmitted power related requirements [NR\_repeaters-Core]

**R4-2100376 Discussion on NR repeater conducted transmitted power**

*Type: other For: Approval  
 Source: CATT*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100828 Power related conducted requirements for repeaters**

*Type: discussion For: Discussion  
 Source: CMCC*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102109 Conducted transmit power**

*Type: discussion For: Discussion  
 Source: Ericsson*

**Abstract:**

FR1 power

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

##### 11.11.2.2 Emission requirements [NR\_repeaters-Core]

**R4-2100377 Discussion on NR repeater emission requirements for FR1/FR2**

*Type: other For: Approval  
 Source: CATT*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100830 Emission related conducted requirements for repeaters**

*Type: discussion For: Discussion  
 Source: CMCC*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102110 Conducted unwanted emissions**

*Type: discussion For: Discussion  
 Source: Ericsson*

**Abstract:**

FR1 emissions

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

##### 11.11.2.3 Others [NR\_repeaters-Core]

**R4-2100378 Discussion on NR repeater EVM and frequency stability for FR1/FR2**

*Type: other For: Approval  
 Source: CATT*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100827 Discussion on RF architecture and RF requirements scope of repeater**

*Type: discussion For: Discussion  
 Source: CMCC*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102111 Conducted other requirements**

*Type: discussion For: Discussion  
 Source: Ericsson*

**Abstract:**

Other FR1 issues

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102831 Conducted requirements for NR FR1 repeaters**

*Type: discussion For: Approval  
 Source: Qualcomm Incorporated*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

#### 11.11.3 Radiated RF core requirements

**R4-2102419 Considerations for NR repeaters and AAS**

*Type: discussion For: Discussion  
 Source: Huawei*

**Abstract:**

Discussion on the differences between a RF repeater deployed in a AAS BS network compared to the non-AAS BBS network

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

##### 11.11.3.1 Transmitted power related requirements [NR\_repeaters-Core]

**R4-2100379 Discussion on NR repeater radiated transmitted power**

*Type: other For: Approval  
 Source: CATT*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100829 Power related radiated requirements for repeaters**

*Type: discussion For: Discussion  
 Source: CMCC*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102112 Radiated transmit power**

*Type: discussion For: Discussion  
 Source: Ericsson*

**Abstract:**

FR2 power

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

##### 11.11.3.2 Emission requirements [NR\_repeaters-Core]

**R4-2100831 Emission related radiated requirements for repeaters**

*Type: discussion For: Discussion  
 Source: CMCC*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102113 Radiated unwanted emissions**

*Type: discussion For: Discussion  
 Source: Ericsson*

**Abstract:**

FR2 emissions

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

##### 11.11.3.3 Others [NR\_repeaters-Core]

**R4-2102114 Radiated other requirements**

*Type: discussion For: Discussion  
 Source: Ericsson*

**Abstract:**

other FR2 issues

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

#### 11.11.4 EMC core requirements [NR\_repeaters-Core]

**R4-2100361 Discussion on EMC requirements for NR Repeater**

*Type: other For: Discussion  
 Source: Ericsson*

**Abstract:**

Discussion on EMC requirements for NR Repeater

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102129 Proposal on the skeleton of NR Repeaters EMC**

*Type: other For: Approval  
 Source: ZTE Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **withdrawn**.

**R4-2102130 Discussion on NR repeaters EMC**

*Type: other For: Approval  
 Source: ZTE Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **withdrawn**.

**R4-2102180 Proposal on the skeleton of NR Repeaters EMC**

*Type: other For: Approval  
 Source: ZTE Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102181 Discussion on NR repeaters EMC**

*Type: other For: Approval  
 Source: ZTE Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102579 EMC core requirements for NR repeater**

*Type: discussion For: Agreement  
 Source: Huawei*

**Abstract:**

In this contribution we provide initial analysis of the expected work for EMC requirements for Rel-17 NR Repeaters.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

## 12 Rel-17 Study Items for NR

### 12.1 Study on enhanced test methods for FR2 in NR [FS\_FR2\_enhTestMethods]

#### 12.1.1 General [FS\_FR2\_enhTestMethods]

#### 12.1.2 Test methodology for high DL power and low UL power test cases [FS\_FR2\_enhTestMethods]

**R4-2100525 TP to TR38.884 on High DL and Low UL power test cases**

*Type: other For: Approval  
 Source: Apple Inc.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101485 Overview of the Impact of phase variation for Direct NF Method**

*Type: other For: Approval  
 Source: MVG Industries, Sony*

**Abstract:**

During RAN4#e-97, a WF was agreed [1] for enhanced test methods for NR FR2. Specifically, it was agreed on studying further DNF (direct NF). This contribution provides further simulation results for the DNF test method with the aim of comparing 4x1, 8x2 a

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102616 On Test methodology for high DL power and low UL power test cases**

*Type: other For: Approval  
 Source: Keysight Technologies UK Ltd*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102620 NF based solutions and Enhancement of permitted methods**

*Type: discussion For: Approval  
 38.884 v..  
 Source: ROHDE & SCHWARZ*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

#### 12.1.3 Polarization basis mismatch [FS\_FR2\_enhTestMethods]

**R4-2100526 TP to TR38.884 on polarization mismatch**

*Type: other For: Approval  
 Source: Apple Inc.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100571 Views on solutions to minimize the impact of polarization basis mismatch**

*Type: other For: Approval  
 Source: Sony, Ericsson*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100664 Discussion on enhanced test method for polarization basis mismatch**

*Type: discussion For: Discussion  
 Source: LG Electronics Inc.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100699 Practical TPMI and 2-port CSI-RS for FR2 SISO test enhancement**

*Type: discussion For: Approval  
 Source: MediaTek Beijing Inc.*

**Abstract:**

Observation1: “practical TPMI” is aligned with network’s capability, and it can further enhance UE performance.

Proposal1: For “TPMI method”, “practical TPMI” shall be further applied.

Observation2: “2-port CSI-RS” is a feasible test method and aligned w

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100894 Discussion on FR2 EIRP measurement enhancement**

*Type: discussion For: Discussion  
 Source: Samsung*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101759 Solution to minimize the impact of polarization basis mismatch**

*Type: discussion For: Approval  
 Source: OPPO*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101830 TP to TR38.884 v0.1.0 on polarization basis mismatch**

*Type: pCR For: Approval  
 38.884 v0.1.0  
 Source: vivo*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102090 Discussion on FR2 UL demodulation measurements**

*Type: discussion For: Approval  
 Source: Rohde & Schwarz*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102674 FR2 testability enhancement for polarization mismatch**

*Type: other For: Discussion  
 Source: Qualcomm Incorporated*

**Abstract:**

We discuss test mode, 2 port CSIRS and enhancement 'coverage hole'

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

#### 12.1.4 Enhanced test methods for inter-band (FR2+FR2) CA [FS\_FR2\_enhTestMethods]

**R4-2100096 Impact of offset antenna to quiet zone in FR2 OTA chamber**

*Type: discussion For: Discussion  
 Source: Anritsu corporation*

**Abstract:**

In this contribution we discuss some open issues such as an impact of the offset antenna on quality of the quiet zone (QoQZ), UE beam forming, and also the applicability of this system to CBM UE.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100097 TP to TR 38.884 on Inter-band DL CA in FR2**

*Type: pCR For: Approval  
 38.884 v0.1.0  
 Source: Anritsu corporation*

**Abstract:**

TP to TR 38.884 on Inter-band DL CA in FR2

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100527 Further analysis of the impact of AoA offset on inter-band CA PSD difference**

*Type: discussion For: Discussion  
 Source: Apple Inc.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102673 On impact of non-co-located test antennae for FR2 inter-band testing**

*Type: other For: Agreement  
 Source: Qualcomm Incorporated*

**Abstract:**

We investigate the impact of non-co-located test antennae on CBM UEs

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

#### 12.1.5 Extreme temperature conditions [FS\_FR2\_enhTestMethods]

**R4-2100098 DUT repositioning during ETC measurement in FR2**

*Type: discussion For: Approval  
 Source: Anritsu corporation*

**Abstract:**

In this contribution we discuss restrictions of DUT measurement procedure during the 3D scan under the extreme temperature condition (ETC). We also discuss some proposals which are related to a test time reduction.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100528 Impact of ET on measurement uncertainty and test tolerance of spherical coverage EIRP and EIS**

*Type: discussion For: Discussion  
 Source: Apple Inc.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101828 Discussions on FR2 Extreme temperature conditions**

*Type: discussion For: Approval  
 Source: vivo*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102617 On extreme temperature condition testing**

*Type: other For: Approval  
 Source: Keysight Technologies UK Ltd*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102675 FR2 testability in ETC**

*Type: other For: Agreement  
 Source: Qualcomm Incorporated*

**Abstract:**

We discuss TE requirements for ETC testing

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

#### 12.1.6 Enhanced test methods for FR2 DL 256QAM RF [FS\_FR2\_enhTestMethods]

#### 12.1.7 Test time reduction [FS\_FR2\_enhTestMethods]

**R4-2100161 Test time reduction in FR2 using beam sweeping**

*Type: discussion For: Discussion  
 Source: Fraunhofer HHI, Fraunhofer IIS*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100245 Test time reduction in OTA measurement**

*Type: discussion For: Approval  
 Source: Anritsu Corporation*

**Abstract:**

In this contribution we discuss a way to reduce test time of a beam peak search in FR2.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100665 Discussion on enhance test method to reduce FR2 OTA test time**

*Type: discussion For: Discussion  
 Source: LG Electronics Inc.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100895 Discussion on FR2 test time reduction**

*Type: discussion For: Discussion  
 Source: Samsung*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101829 Discussions on Test Time Reduction for NR FR2 RF**

*Type: discussion For: Approval  
 Source: vivo*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102088 Discussion on test time reduction methods**

*Type: discussion For: Approval  
 Source: Rohde & Schwarz*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102401 Analysis on reducing test time**

*Type: other For: Approval  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102618 On Test Time Enhancements based on different Antenna Array Assumptions**

*Type: other For: Approval  
 Source: Keysight Technologies UK Ltd*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

#### 12.1.8 Testability for band n262 [FS\_FR2\_enhTestMethods]

##### 12.1.8.1 Extension of frequency applicability of permitted methods in 38.810 [FS\_FR2\_enhTestMethods]

**R4-2100529 Extending the applicability of permitted methods to band n262**

*Type: discussion For: Discussion  
 Source: Apple Inc.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102619 On Testability for band n262**

*Type: other For: Approval  
 Source: Keysight Technologies UK Ltd*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

##### 12.1.8.2 Extension of frequency applicability of enhancement objectives 1-6 [FS\_FR2\_enhTestMethods]

**R4-2100530 TP to TR38.884 on structure updates related to band n262**

*Type: other For: Approval  
 Source: Apple Inc.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

### 12.2 Study on supporting NR from 52.6 GHz to 71 GHz [FS\_NR\_52\_to\_71GHz]

#### 12.2.1 Numerology, Channel BW [FS\_NR\_52\_to\_71GHz]

**R4-2100364 Discussion on CBW and FR name for above 52.6 GHz**

*Type: other For: Approval  
 Source: CATT*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101561 TP to TR 38.808: Numerology and Channel Bandwidths**

*Type: pCR For: Approval  
 38.808 v1.0.0  
 Source: Ericsson*

**Abstract:**

Adding numerology and channel bandwidth to RAN4 part of TR

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102569 TP to TR 38.808: capturing WF on the min/max CHBW and SCS**

*Type: pCR For: Approval  
 38.808 v1.0.0  
 Source: Huawei*

**Abstract:**

Based on the WF on minimum and maximum channel bandwidths for 52.6 - 71 GHz range as approved last meeting, it is proposed to capture the WF agreements in the TR 38.808.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102730 Discussion on minimum and maximum channel bandwidth for 52.6 GHz to 71 GHz**

*Type: discussion For: Approval  
 Source: Huawei, HiSilicon*

**Abstract:**

In this contribution, we provide further consideration on minimum and maximum channel bandwidth for 52.6 GHz to 71 GHz.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

##### 12.2.1.1 General [FS\_NR\_52\_to\_71GHz]

**R4-2100519 Further considerations on the numerology and channel bandwidth sizes for 60GHz frequency range**

*Type: discussion For: Decision  
 Source: Apple Inc.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100781 Discussion on the minimum and maximum channel bandwidth for B52.6GHz**

*Type: discussion For: Approval  
 Source: vivo*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100803 Discussion on band definition and channel BW for NR in 52.6GHz ~ 71GHz**

*Type: discussion For: Discussion  
 Source: CMCC*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101281 On numerology and channel bandwidth in 52.6 – 71 GHz**

*Type: discussion For: Discussion  
 Source: Intel Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102006 Numerology and channel bandwidth discussion for NR beyond 52.6 GHz**

*Type: other For: Approval  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102609 Views on UL TPC for NR in 60 GHz and above frequency ranges**

*Type: other For: Approval  
 Source: Apple*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

##### 12.2.1.2 General [FS\_NR\_52\_to\_71GHz]

**R4-2101280 On improved transient period for NR 52.6 - 71 GHz**

*Type: discussion For: Discussion  
 Source: Intel Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101863 TP for NR Rel-17 TR 38.808: Time and synchronization impact**

*Type: pCR For: Approval  
 38.808 v1.0.0  
 Source: Ericsson*

**Abstract:**

Analysis of transient cases.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101955 TP to TR 38.808 Further considerations on timing for 52.6-71GHz**

*Type: other For: Approval  
 Source: ZTE Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102009 TP to TR 38.808: Timing considerations for operation between 52.6 and 71 GHz**

*Type: pCR For: Approval  
 38.808 v1.0.0  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

##### 12.2.1.3 Phase noise [FS\_NR\_52\_to\_71GHz]

**R4-2100782 Comparison of different PN models for B52.6G**

*Type: discussion For: Approval  
 Source: vivo*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101181 TP to TR 38.808: Addition of a set of phase noise models in subclause 4.2.3**

*Type: pCR For: Approval  
 38.808 v1.0.0  
 Source: Ericsson*

**Abstract:**

The text proposal covers not only the phase noise model but also more detailed technical information on how the model was derived in described in Annex C.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102008 TP to TR 38.808: Phase noise considerations**

*Type: pCR For: Approval  
 38.808 v1.0.0  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102839 Text proposal PTRS**

*Type: pCR For: Approval  
 38.808 v1.0.0  
 Source: Qualcomm Incorporated*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

#### 12.2.2 BS aspect [FS\_NR\_52\_to\_71GHz]

**R4-2100383 Discussion on the BS requirements for 52.6-71GHz**

*Type: other For: Approval  
 Source: CATT*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101183 TP to TR 38.808: Addition of technical background for BS in clause 2 and subclause 4.2.5**

*Type: pCR For: Approval  
 38.808 v1.0.0  
 Source: Ericsson*

**Abstract:**

At the end of this contribution a text proposal to TR 38.808, clause 2 and subclause 4.2.5 is attached for approval. The text proposal adds missing parts of technical information to be captured in TR 38.808 to be able to conclude the Study Item.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102007 TP to TR 38.808: BS RF for NR beyond 52.6 GHz**

*Type: pCR For: Approval  
 38.808 v1.0.0  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102570 TP to TR 38.808: BS aspects**

*Type: pCR For: Approval  
 38.808 v1.0.0  
 Source: Huawei*

**Abstract:**

This contribution provides TP to TR 38.808 on selected BS aspects for 52.6 – 71 GHz range, including BS architecture and BS classes and additional examples of BS antenna array.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

#### 12.2.3 UE aspect [FS\_NR\_52\_to\_71GHz]

**R4-2102010 UE RF for NR beyond 52.6 GHz**

*Type: other For: Approval  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102681 TP to TR 38.808: Addition of UE aspects**

*Type: pCR For: Approval  
 38.808 v1.0.0  
 Source: Ericsson*

**Abstract:**

Impact on SCS's on number of transient affected symbols for UE

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102862 Text proposal UE power amplifier and antenna array**

*Type: pCR For: Approval  
 38.808 v1.0.0  
 Source: Qualcomm Incorporated*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

#### 12.2.4 Others [FS\_NR\_52\_to\_71GHz]

**R4-2100384 Discussion on co-existence for 52.6-71GHz**

*Type: other For: Approval  
 Source: CATT*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100520 Regulatory update for the 60GHz frequency range**

*Type: discussion For: Decision  
 Source: Apple Inc.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100521 Regulatory update for the 60GHz frequency range**

*Type: draftCR For: Endorsement  
 38.807 v16.0.0  
 Source: Apple Inc.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100531 Views on 60 GHz testability**

*Type: discussion For: Discussion  
 Source: Apple Inc.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100911 How to incorperate 52.6-71GHz in specification**

*Type: other For: Discussion  
 Source: Samsung*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101833 Views on Study the testability of 60GHz**

*Type: discussion For: Approval  
 Source: vivo Communication Technology*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101956 Discussion on frequency range definition for 52.6-71GHz**

*Type: other For: Approval  
 Source: ZTE Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102043 TP to TR 38.808 on Spectrum regulatory situation**

*Type: pCR For: Approval  
 38.808 v1.0.0  
 Source: Ericsson*

**Abstract:**

TP to TR 38.808 on Spectrum regulatory situation within 52.6 - 71 GHz

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102571 Inputs to the discussion on the FR2-extension vs. FR3 introduction for NR operation in 52.6 - 71 GHz range**

*Type: discussion For: Discussion  
 Source: Huawei*

**Abstract:**

In this contribution we collect observations on the RAN4 specification impact (as well as selected RAN1 and RAN2 aspects) considering FR2-extension and FR3 introduction alternatives for the NR operation in 52.6 – 71 GHz range. This is provided to ease dec

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102866 Specifying 60 GHz as part of FR2**

*Type: discussion For: Discussion  
 Source: Qualcomm Incorporated*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

### 12.3 Study on Efficient utilization of licensed spectrum that is not aligned with existing NR channel bandwidths [FS\_NR\_eff\_BW\_util]

#### 12.3.1 General and work plan [FS\_NR\_eff\_BW\_util]

**R4-2100804 Discussion on the general aspects for irregular bandwidth**

*Type: discussion For: Discussion  
 Source: CMCC*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101555 Updated TR 38.844 v0.0.2**

*Type: draft TR For: Agreement  
 38.844 v0.0.2  
 Source: Ericsson*

**Abstract:**

Updated TR

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

#### 12.3.2 Input on operator licensed channel bandwidths in FR1 that do not align with existing NR channel bandwidths [FS\_NR\_eff\_BW\_util]

#### 12.3.3 Evaluation of use of larger channel bandwidths than operator licensed bandwidth [FS\_NR\_eff\_BW\_util]

**R4-2101556 Utilizing larger bandwidth than the operator licensed bandwidth**

*Type: discussion For: Approval  
 Source: Ericsson*

**Abstract:**

In this contribution, the goal is to focus on operator licensed bandwidths between 5 MHz and 10 MHz cases.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101959 Discussion on irregular channel bandwidth for NR system**

*Type: other For: Discussion  
 Source: ZTE Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

#### 12.3.4 Evaluation of use of overlapping UE channel bandwidths (from both UE and network perspective) [FS\_NR\_eff\_BW\_util]

**R4-2100522 Non-standard spectrum allocations for NR bands**

*Type: discussion For: Decision  
 Source: Apple Inc.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101507 Consideration for overlapping UE channel bandwidths**

*Type: other For: Approval  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

##### 12.3.4.1 UE perspective [FS\_NR\_eff\_BW\_util]

**R4-2100805 Discussion on overlapping UE channel bandwidths**

*Type: discussion For: Discussion  
 Source: CMCC*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101557 Overlapping Channel Bandwidth Approach from UE Perspective**

*Type: discussion For: Discussion  
 Source: Ericsson*

**Abstract:**

In this contribution, the focus will be discussing overlapping bandwidth approach from UE perspective

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102288 Network and UE options for the support of irregular channel bandwidth**

*Type: discussion For: Approval  
 38.101-1 v..  
 Source: Skyworks Solutions Inc.*

**Abstract:**

This contribution discusses the different cases from a Network and UE prospective and provides an analysis of potential solutions and their related constraints.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102558 On the use of overlapping channel bandwidths from UE perspective**

*Type: other For: Approval  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

##### 12.3.4.2 Network perspective [FS\_NR\_eff\_BW\_util]

**R4-2101459 Handling of Channel Bandwidths That Are Not Multiples of 5MHz**

*Type: discussion For: Discussion  
 Source: Qualcomm Incorporated*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101558 Overlapping Channel Bandwidth Approach from BS Perspective**

*Type: discussion For: Approval  
 Source: Ericsson*

**Abstract:**

In this contribution, the focus will be discussing overlapping bandwidth approach from network perspective

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

#### 12.3.5 Others [FS\_NR\_eff\_BW\_util]

### 12.4 Study on extended 600MHz NR band [FS\_NR\_600MHz\_ext]

#### 12.4.1 General

**R4-2100055 Study on extended 600MHz NR band**

*Type: Work Plan For: Decision  
 Source: Spark NZ Ltd*

**Abstract:**

The work scope and work plan are presented in this document.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102589 Band Plan for 600MHz SI**

*Type: discussion For: Approval  
 Source: Apple*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

#### 12.4.2 Regulatory study

**R4-2100744 Regulatory study for APT 600 MHz**

*Type: other For: Approval  
 Source: Nokia, Nokia Shanghai Bell*

**Abstract:**

Regulatory backgroud of APT 600 MHz is presented.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102162 Extended 600MHz band - Regulatory aspects**

*Type: discussion For: Discussion  
 Source: Ericsson*

**Abstract:**

This contribution is giving an overview of regulatory requirements around the extended 600 MHz band in Region 3

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102572 Regulatory aspects for the 600MHz range in APT region**

*Type: discussion For: Agreement  
 Source: Huawei*

**Abstract:**

In this contribution we provide the inputs on the regulatory overview of 600 MHz range. Related TP to TR is provided for approval.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

#### 12.4.3 Coexistence study

**R4-2100745 Coexistence for APT 600 MHz**

*Type: other For: Approval  
 Source: Nokia, Nokia Shanghai Bell, CBN*

**Abstract:**

Coexistence requirement of APT 600 MHz is discussed.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101957 Coexistence study for extended 600MHz NR band**

*Type: other For: Discussion  
 Source: ZTE Corporation, CBN*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102573 Initial considerations on the coexistence studies for 600MHz SI**

*Type: discussion For: Discussion  
 Source: Huawei*

**Abstract:**

In this contribution we provide initial thoughts on the potential co-existence studies required for the extended 600MHz band in Region 3.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

#### 12.4.4 Study on frequency arrangements (such as options B1 and B2)

**R4-2100056 Frequency band arrangements and duplexer options for extended 600MHz NR band**

*Type: SID new For: Discussion  
 Source: Spark NZ Ltd*

**Abstract:**

The frequency band arrangements are presented in this contribution.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100057 Blank TR for extended 600MHz NR band**

*Type: SID new For: Decision  
 Source: Spark NZ Ltd*

**Abstract:**

A blank TR to document the ongoing progress of this study item is enclosed

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100090 Blank TR for extended 600MHz NR band**

*Type: SID new For: Decision  
 Source: Spark NZ Ltd*

**Abstract:**

A blank TR to document the ongoing progress of this study item

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100167 Blank TR for extended 600MHz NR band**

*Type: SID new For: Decision  
 Source: Spark NZ Ltd*

**Abstract:**

A blank TR to document the ongoing progress of this study item

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100501 Consideration on extended 600MHz NR band**

*Type: discussion For: Decision  
 Source: CATT,CBN*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100542 Extended 600MHz NR Duplexer Feasibility and Band Arrangement**

*Type: discussion For: Approval  
 38.101-1 v..  
 Source: Skyworks Solutions Inc.*

**Abstract:**

In this contribution, we analyze the different duplexer options in light of the duplexer implementation of other FDD bands in the same frequency range like band 71 and band 28/68 and make alternative proposals for the support of envisaged 2x40MHz spectrum

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100746 Frequency arrangements for APT 600 MHz**

*Type: other For: Approval  
 Source: Nokia, Nokia Shanghai Bell*

**Abstract:**

duplexer feasiblity of APT 600 is discussed

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101372 Discussion on frequency arrangement for extended 600MHz NR Band**

*Type: discussion For: Approval  
 Source: Xiaomi*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101958 Discussions on Option B1 and B2 for extended 600MHz**

*Type: other For: Discussion  
 Source: ZTE Corporation, CBN*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102161 Extended 600MHz band - frequency arrangement**

*Type: other For: Approval  
 Source: Ericsson*

**Abstract:**

This contribution is analyzing the 2 proposed options

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102407 600 MHz band for Region 3**

*Type: discussion For: Discussion  
 Source: Qualcomm Incorporated*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102574 Feasibility analysis of the frequency arrangement in 600MHz range for APT**

*Type: discussion For: Agreement  
 Source: Huawei, CBN*

**Abstract:**

In this contribution we provide the requested feasibility analysis of the possible frequency arrangements for 600MHz range for APT region, based on the pre-defined options B1 and B2. Related TP to TR is provided for approval.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

#### 12.4.5 Others

**R4-2102575 [DRAFT] Reply LS on technical feasibilities for frequency arrangements for IMT in 470 – 703 MHz band**

*Type: LS out For: Approval  
 to APT Wireless Group, cc TSG RAN  
 Source: Huawei, CBN*

**Abstract:**

In this contribution we provide draft reply LS to the APT Wireless Group LS in RP-202934, based on the discussion on technical feasibilities for frequency arrangements for IMT in 470 – 703 MHz band.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

### 12.5 Study on high power UE (power class 2) for one NR FDD band [FS\_NR\_PC2\_UE\_FDD]

#### 12.5.1 General

**R4-2100081 Work plan for study on high power UE (power class 2) for one NR FDD band**

*Type: Work Plan For: Approval  
 Source: China Unicom*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101110 Discussion on HP UE for FDD bands**

*Type: discussion For: Discussion  
 Source: Xiaomi*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102391 On NR FDD HPUE**

*Type: other For: Approval  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102610 Views on HPUE for NR FDD bands**

*Type: other For: Discussion  
 Source: Apple*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102708 Discussion on HPUE in NR FDD band**

*Type: discussion For: Discussion  
 Source: vivo*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

#### 12.5.2 Scheme(s) to comply with the SAR limits

**R4-2100110 Discussion on SAR schemes for PC2 FDD band**

*Type: discussion For: Discussion  
 Source: CMCC*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102135 Discussion on SAR scheme for HPUE FDD**

*Type: other For: Approval  
 Source: ZTE Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **withdrawn**.

**R4-2102186 Discussion on SAR scheme for HPUE FDD**

*Type: other For: Approval  
 Source: ZTE Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

#### 12.5.3 Interference issues

#### 12.5.4 UE implementation issues

**R4-2100290 Consideration of current RF components feasibility for FDD PC2 UE**

*Type: other For: Approval  
 Source: LG Electronics France*

**Abstract:**

Provide current RF component state of art technology for PC2 UE in FDD band

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100543 PC2 FDD RFFE Technology, Performance, Thermal and Power Aspects**

*Type: discussion For: Approval  
 38.101-1 v..  
 Source: Skyworks Solutions Inc.*

**Abstract:**

In this contribution we study the impact PC2 operation on the RE front-end in terms of performance, reliability and thermal aspects

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

#### 12.5.5 System performance evaluations

**R4-2102392 System performance evaluation for FDD HPUE**

*Type: other For: Approval  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102503 Simulation assumptions for FDD HPUE performance evaluations**

*Type: discussion For: (not specified)  
 Source: Qualcomm Incorporated*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102709 Initial evaulation of PC2 UE for NR FDD**

*Type: discussion For: Discussion  
 Source: vivo*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

## 13 Rel-17 Work Items for LTE

**R4-2102233 Work plan of Rel-17 enhancements for NB-IoT and LTE-MTC**

*Type: Work Plan For: Approval  
 Source: Huawei, Ericsson*

**Abstract:**

Work plan of Rel-17 enhancements for NB-IoT and LTE-MTC

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

### 13.1 LTE inter-band Carrier Aggregation for 2 bands DL with 1 band UL [LTE\_CA\_R17\_2BDL\_1BUL]

#### 13.1.1 Rapporteur Input (WID/TR/CR) [LTE\_CA\_R17\_2BDL\_1BUL-Core/Perf]

**R4-2102494 Revised WID: Rel17 LTE inter-band CA for 2 bands DL with 1 band UL**

*Type: WID revised For: (not specified)  
 Source: Qualcomm Incorporated*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102495 Introduction of Rel-17 LTE inter-band CA for 2 bands DL with 1 band UL combinations in TS 36.101**

*Type: CR For: Agreement  
 36.101 v17.0.0 CR-5723 Cat: B (Rel-17)  
  
 Source: Qualcomm Incorporated*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102496 TR 36.717-02-01 Rel-17 LTE inter-band CA for 2 bands DL and 1 band UL CA**

*Type: draft TR For: Agreement  
 36.717-02-01 v0.2.0  
 Source: Qualcomm Incorporated*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

#### 13.1.2 UE RF with harmonic, close proximity and isolation issues [LTE\_CA\_R17\_2BDL\_1BUL-Core]

**R4-2102313 draft CR to include 2A-2A-7C, 2A-2A-7A-7A, 2A-2A-13A**

*Type: draftCR For: Endorsement  
 36.101 v17.0.0  
 Source: Ericsson, Bell Mobility*

**Abstract:**

draft CR to include 2A-2A-7C, 2A-2A-7A-7A, 2A-2A-13A

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

#### 13.1.3 UE RF without specific issues [LTE\_CA\_R17\_2BDL\_1BUL-Core]

**R4-2100151 TP to TR 36.717-02-01: Addition of CA\_48-53**

*Type: pCR For: Approval  
 36.717-02-01 v0.1.0  
 Source: Nokia, Globalstar*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100729 TP to TR 36.717-02-01 CA\_7-25**

*Type: other For: Approval  
 36.717-02-01 v..  
 Source: Nokia, Nokia Shanghai Bell*

**Abstract:**

In this contribution, a text proposal to complete E-UTRA CA configurations, CA\_7A-25A, CA\_7A-7A-25, CA\_7C-25A, CA\_7A-25A-25A, CA\_7A-7A-25A-25A, and CA\_7C-25A-25A are provided.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100730 TP to TR 36.717-02-01 CA\_25-66**

*Type: other For: Approval  
 36.717-02-01 v..  
 Source: Nokia, Nokia Shanghai Bell*

**Abstract:**

In this contribution, a text proposal to complete E-UTRA CA configurations, CA\_25-66A and CA\_25A-25A-66A, is provided.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101575 TP for TR 36.717-02-01: CA\_2A-8A**

*Type: pCR For: Approval  
 36.717-02-01 v0.1.0  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101936 TP to TR 36.717-02-01 Addition of CA\_46-53**

*Type: pCR For: Approval  
 36.717-02-01 v0.1.0  
 Source: Nokia, Globalstar*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

### 13.2 LTE inter-band Carrier Aggregation for 3 bands DL with 1 band UL [LTE\_CA\_R17\_3BDL\_1BUL]

#### 13.2.1 Rapporteur Input (WID/TR/CR) [LTE\_CA\_R17\_3BDL\_1BUL-Core/Perf]

**R4-2102830 Revised WID for LTE inter-band CA for 3 bands DL with 1 bands UL**

*Type: WID revised For: Approval  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102832 Introduction of completed R17 3DL band combinations to TS 36.101**

*Type: CR For: Agreement  
 36.101 v17.0.0 CR-5727 Cat: B (Rel-17)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102833 TR 36.717-03-01 0.2.0**

*Type: draft TR For: Agreement  
 36.717-03-01 v0.1.0  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

#### 13.2.2 UE RF with harmonic, close proximity and isolation issues [LTE\_CA\_R17\_3BDL\_1BUL-Core]

**R4-2101398 TP for TR 36.717-03-01: CA\_1-8-32**

*Type: pCR For: Approval  
 36.717-03-01 v0.1.0  
 Source: VODAFONE Group Plc*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101399 TP for TR 36.717-03-01: CA\_1-28-32**

*Type: pCR For: Approval  
 36.717-03-01 v0.1.0  
 Source: VODAFONE Group Plc*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101400 TP for TR 36.717-03-01: CA\_7-8-28**

*Type: pCR For: Approval  
 36.717-03-01 v0.1.0  
 Source: VODAFONE Group Plc*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101401 TP for TR 36.717-03-01: CA\_7-8-32**

*Type: pCR For: Approval  
 36.717-03-01 v0.1.0  
 Source: VODAFONE Group Plc*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101402 TP for TR 36.717-03-01: CA\_7-28-32**

*Type: pCR For: Approval  
 36.717-03-01 v0.1.0  
 Source: VODAFONE Group Plc*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101403 TP for TR 36.717-03-01: CA\_8-20-32**

*Type: pCR For: Approval  
 36.717-03-01 v0.1.0  
 Source: VODAFONE Group Plc*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101404 TP for TR 36.717-03-01: CA\_8-28-32**

*Type: pCR For: Approval  
 36.717-03-01 v0.1.0  
 Source: VODAFONE Group Plc*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101405 TP for TR 36.717-03-01: CA\_20-28-32**

*Type: pCR For: Approval  
 36.717-03-01 v0.1.0  
 Source: VODAFONE Group Plc*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101907 draft CR to inlcude 7A-12A-66A-66A, 2A-2A-5A-7A, 2A-2A-7A-66A-66A, 2A-2A-7A-7A-13A, 2A-2A-7C-13A, 2A-2A-7A-13A**

*Type: draftCR For: Endorsement  
 36.101 v17.0.0  
 Source: Ericsson, Rogers, Bell Mobility*

**Abstract:**

draft CR to inlcude 7A-12A-66A-66A, 2A-2A-5A-7A, 2A-2A-7A-66A-66A, 2A-2A-7A-7A-13A, 2A-2A-7C-13A, 2A-2A-7A-13A

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

#### 13.2.3 UE RF without specific issues [LTE\_CA\_R17\_3BDL\_1BUL-Core]

**R4-2100731 TP to TR 36.717-03-01 CA\_7-25-66**

*Type: other For: Approval  
 36.717-03-01 v..  
 Source: Nokia, Nokia Shanghai Bell*

**Abstract:**

In this contribution, a text proposal to complete E-UTRA CA configurations, CA\_7A-25A-66A, CA\_7A-7A-25A-66A, CA\_7C-25A-66A, CA\_7A-25A-25A-66A, CA\_7A-7A-25A-25A-66A, and CA\_7C-25A-25A-66A, is provided.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101516 DraftCR for 36.101 to add CA\_5A-7A-7A-66A, CA\_2A-5A-7A-7A and CA\_7A-7A-13A-66A**

*Type: draftCR For: Endorsement  
 36.101 v17.0.0  
 Source: Huawei, HiSilicon, Bell Mobility, Telus*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

### 13.3 LTE inter-band Carrier Aggregation for x bands DL (x=4, 5) with 1 band UL [LTE\_CA\_R17\_xBDL\_1BUL]

**R4-2101522 TP for TR 36.717-04-01: CA\_3-7-8-20-28**

*Type: pCR For: Approval  
 36.717-04-01 v0.1.0  
 Source: VODAFONE Group Plc*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101525 TP for TR 36.717-04-01: CA\_1-3-7-8-20-28**

*Type: pCR For: Approval  
 36.717-04-01 v0.1.0  
 Source: VODAFONE Group Plc*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101544 TP for TR 36.717-04-01: CA\_1-7-8-20-28-32**

*Type: pCR For: Approval  
 36.717-04-01 v0.1.0  
 Source: VODAFONE Group Plc*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

#### 13.3.1 Rapporteur Input (WID/TR/CR) [LTE\_CA\_R17\_xBDL\_1BUL-Core]

**R4-2100728 Introduction of LTE inter-band Carrier Aggregation for x bands DL (x=4, 5) with 1 band UL to TS36.101**

*Type: CR For: Agreement  
 36.101 v17.0.0 CR-5720 Cat: B (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Abstract:**

This is a big CR for the basket work item on LTE CA 4DL/1UL and 5DL/1UL.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102438 Revised WID: LTE Advanced inter-band CA Rel-17 for x bands DL (x=4, 5) with 1 band UL**

*Type: WID revised For: Endorsement  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102439 Updated scope of TR: LTE inter-band CA for 4/5 bands DL with 1 band UL**

*Type: other For: Approval  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102440 TR 36.717-04-01 v0.3.0**

*Type: draft TR For: Agreement  
 36.717-04-01 v0.3.0  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

#### 13.3.2 UE RF with 4 LTE bands CA [LTE\_CA\_R17\_xBDL\_1BUL-Core]

**R4-2101406 TP for TR 36.717-04-01: CA\_1A-3A-7C-20A with UL CA\_7C**

*Type: pCR For: Approval  
 36.717-04-01 v0.1.0  
 Source: VODAFONE Group Plc*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101468 TP for TR 36.717-04-01: CA\_1-3-40-41**

*Type: pCR For: Approval  
 36.717-04-01 v0.1.0  
 Source: VODAFONE Group Plc*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101469 TP for TR 36.717-04-01: CA\_1-7-8-28**

*Type: pCR For: Approval  
 36.717-04-01 v0.1.0  
 Source: VODAFONE Group Plc*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101470 TP for TR 36.717-04-01: CA\_1-7-8-32**

*Type: pCR For: Approval  
 36.717-04-01 v0.1.0  
 Source: VODAFONE Group Plc*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101471 TP for TR 36.717-04-01: CA\_1-7-28-32**

*Type: pCR For: Approval  
 36.717-04-01 v0.1.0  
 Source: VODAFONE Group Plc*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101472 TP for TR 36.717-04-01: CA\_1-8-20-32**

*Type: pCR For: Approval  
 36.717-04-01 v0.1.0  
 Source: VODAFONE Group Plc*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101473 TP for TR 36.717-04-01: CA\_1-8-28-32**

*Type: pCR For: Approval  
 36.717-04-01 v0.1.0  
 Source: VODAFONE Group Plc*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101474 TP for TR 36.717-04-01: CA\_1-20-28-32**

*Type: pCR For: Approval  
 36.717-04-01 v0.1.0  
 Source: VODAFONE Group Plc*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101475 TP for TR 36.717-04-01: CA\_3-7-8-28**

*Type: pCR For: Approval  
 36.717-04-01 v0.1.0  
 Source: VODAFONE Group Plc*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101476 TP for TR 36.717-04-01: CA\_3-8-40-41**

*Type: pCR For: Approval  
 36.717-04-01 v0.1.0  
 Source: VODAFONE Group Plc*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101477 TP for TR 36.717-04-01: CA\_7-8-20-28**

*Type: pCR For: Approval  
 36.717-04-01 v0.1.0  
 Source: VODAFONE Group Plc*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101478 TP for TR 36.717-04-01: CA\_7-8-20-32**

*Type: pCR For: Approval  
 36.717-04-01 v0.1.0  
 Source: VODAFONE Group Plc*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101479 TP for TR 36.717-04-01: CA\_7-8-28-32**

*Type: pCR For: Approval  
 36.717-04-01 v0.1.0  
 Source: VODAFONE Group Plc*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101480 TP for TR 36.717-04-01: CA\_7-20-28-32**

*Type: pCR For: Approval  
 36.717-04-01 v0.1.0  
 Source: VODAFONE Group Plc*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101481 TP for TR 36.717-04-01: CA\_8-20-28-32**

*Type: pCR For: Approval  
 36.717-04-01 v0.1.0  
 Source: VODAFONE Group Plc*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101517 DraftCR for 36.101 to add CA\_2A-5A-7A-7A-66A and CA\_2A-7A-7A-13A-66A**

*Type: draftCR For: Endorsement  
 36.101 v17.0.0  
 Source: Huawei, HiSilicon, Bell Mobility, Telus*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101908 draft CR to include 2A-7A-12A-66A-66A, 2A-2A-5A-7A-66A**

*Type: draftCR For: Endorsement  
 36.101 v17.0.0  
 Source: Ericsson, Rogers*

**Abstract:**

draft CR to include 2A-7A-12A-66A-66A, 2A-2A-5A-7A-66A

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102624 TP to TR 36.717-04-01 Correction of CA\_2-5-7-66-66**

*Type: pCR For: Approval  
 36.717-04-01 v0.2.0  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

#### 13.3.3 UE RF with 5 LTE bands CA [LTE\_CA\_R17\_xBDL\_1BUL-Core]

**R4-2101488 TP for TR 36.717-04-01: CA\_1-3-7-8-28**

*Type: pCR For: Approval  
 36.717-04-01 v0.1.0  
 Source: VODAFONE Group Plc*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101489 TP for TR 36.717-04-01: CA\_1-3-8-20-28**

*Type: pCR For: Approval  
 36.717-04-01 v0.1.0  
 Source: VODAFONE Group Plc*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101490 TP for TR 36.717-04-01: CA\_1-7-8-20-28**

*Type: pCR For: Approval  
 36.717-04-01 v0.1.0  
 Source: VODAFONE Group Plc*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101491 TP for TR 36.717-04-01: CA\_1-7-8-20-32**

*Type: pCR For: Approval  
 36.717-04-01 v0.1.0  
 Source: VODAFONE Group Plc*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101492 TP for TR 36.717-04-01: CA\_1-7-8-28-32**

*Type: pCR For: Approval  
 36.717-04-01 v0.1.0  
 Source: VODAFONE Group Plc*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101493 TP for TR 36.717-04-01: CA\_1-7-20-28-32**

*Type: pCR For: Approval  
 36.717-04-01 v0.1.0  
 Source: VODAFONE Group Plc*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101524 TP for TR 36.717-04-01: CA\_7-8-20-28-32**

*Type: pCR For: Approval  
 36.717-04-01 v0.1.0  
 Source: VODAFONE Group Plc*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101582 TP for TR 36.717-04-01: CA\_1A-3A-8A-20A-38A**

*Type: pCR For: Approval  
 36.717-04-01 v0.2.0  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101583 TP for TR 36.717-04-01: CA\_1A-3A-7A-8A-38A**

*Type: pCR For: Approval  
 36.717-04-01 v0.2.0  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

### 13.4 LTE inter-band Carrier Aggregation for 2 bands DL with 2 band UL [LTE\_CA\_R17\_2BDL\_2BUL]

#### 13.4.1 Rapporteur Input (WID/TR/CR) [LTE\_CA\_R17\_2BDL\_2BUL-Core]

**R4-2102404 Introduction of completed R17 2DL2UL band combinations to TS 36.101**

*Type: draftCR For: Endorsement  
 36.101 v17.0.0  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102405 Revised WID for LTE inter-band CA for 2 bands DL with 2 bands UL**

*Type: WID revised For: Endorsement  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

#### 13.4.2 UE RF with harmonic, close proximity and isolation issues [LTE\_CA\_R17\_2BDL\_2BUL-Core]

#### 13.4.3 UE RF without specific issues [LTE\_CA\_R17\_2BDL\_2BUL-Core]

### 13.5 LTE inter-band Carrier Aggregation for x bands DL (x= 3, 4, 5) with 2 band UL [LTE\_CA\_R17\_xBDL\_2BUL]

#### 13.5.1 Rapporteur Input (WID/TR/CR) [LTE\_CA\_R17\_xBDL\_2BUL-Core]

**R4-2100265 TR 36.717-03-02 v0.2.0 TR Update for LTE-A inter-band CA for x bands (x=3,4,5) DL with 2 bands UL in Rel-17**

*Type: draft TR For: Agreement  
 36.717-03-02 v0.2.0  
 Source: LG Electronics France*

**Abstract:**

Update TR to capture approved TPs in RAN4 #98-e meeting

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100267 Revised WID on LTE-A inter-band CA for x bands (x=3,4,5) DL with 2 bands UL in Rel-17**

*Type: WID revised For: Endorsement  
 Source: LG Electronics France*

**Abstract:**

Revised WID to capture new CA band combos and update status for each CA band

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100270 Introduction of LTE-A inter-band CA for x bands (x=3,4,5) DL with 2 bands UL to TS36.101**

*Type: CR For: Agreement  
 36.101 v17.0.0 CR-5715 Cat: B (Rel-17)  
  
 Source: LG Electronics France*

**Abstract:**

Big CR tO add new CA band combos for x bands (x=3,4,5) DL with 2 bands UL in Rel-17

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

#### 13.5.2 UE RF with MSD [LTE\_CA\_R17\_xBDL\_2BUL-Core]

**R4-2101576 Draft CR to 36.101 to add UL configuration CA\_3A-8A for CA\_3C-7A-8A**

*Type: draftCR For: Endorsement  
 36.101 v17.0.0  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

#### 13.5.3 UE RF without MSD [LTE\_CA\_R17\_xBDL\_2BUL-Core]

**R4-2101577 Draft CR to 36.101 to add UL configuration CA\_1A-3A for CA\_1A-3C-38A**

*Type: draftCR For: Endorsement  
 36.101 v17.0.0  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101578 Draft CR to 36.101 to add UL configuration CA\_3A-8A for CA\_3C-8A-38A**

*Type: draftCR For: Endorsement  
 36.101 v17.0.0  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101579 TP for TR 36.717-03-02: to add UL configuration CA\_1A-8A for CA\_1A-8A-38A**

*Type: pCR For: Approval  
 36.717-03-02 v0.1.0  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101580 Draft CR to 36.101 to add UL configuration CA\_1A-3A for CA\_1A-3C-7A-8A**

*Type: draftCR For: Endorsement  
 36.101 v17.0.0  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101581 Draft CR to 36.101 to add UL configuration CA\_1A-3A for CA\_1A-3C-8A-38A**

*Type: draftCR For: Endorsement  
 36.101 v17.0.0  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

### 13.6 RRM for LTE CA basket WIs [LTE\_CA\_R17\_xxxx]

#### 13.6.1 RRM Core (36.133) [LTE\_CA\_R17\_xxxx-Core]

#### 13.6.2 RRM Perf (36.133) [LTE\_CA\_R17\_xxxx-Perf]

### 13.7 New WID on Additional LTE bands for UE category M1&M2 and/or NB1&NB2 in Rel-17 [LTE\_bands\_R17\_M1\_M2\_NB1\_NB2]

#### 13.7.1 Rapporteur Input (WID/TR/CR) [LTE\_bands\_R17\_M1\_M2\_NB1\_NB2-Core]

**R4-2100604 CR of adding LTE B24 for UE category NB1 in R17**

*Type: CR For: Agreement  
 36.307 v13.12.0 CR-4443 Cat: B (Rel-13)  
  
 Source: Ericsson, Ligado Networks*

**Abstract:**

CR of adding LTE B24 for UE category NB1 in R17

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100605 CR of adding LTE B24 for UE category NB1 in R17**

*Type: CR For: Agreement  
 36.307 v14.9.0 CR-4444 Cat: A (Rel-14)  
  
 Source: Ericsson, Ligado Networks*

**Abstract:**

CR of adding LTE B24 for UE category NB1 in R17

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100606 CR of adding LTE B24 for UE category NB1 in R17**

*Type: CR For: Agreement  
 36.307 v15.6.0 CR-4445 Cat: A (Rel-15)  
  
 Source: Ericsson, Ligado Networks*

**Abstract:**

CR of adding LTE B24 for UE category NB1 in R17

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100607 CR of adding LTE B24 for UE category NB1 in R17**

*Type: CR For: Agreement  
 36.307 v16.2.0 CR-4446 Cat: A (Rel-16)  
  
 Source: Ericsson, Ligado Networks*

**Abstract:**

CR of adding LTE B24 for UE category NB1 in R17

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100608 CR of adding LTE B24 for UE category NB1/NB2 in R17**

*Type: CR For: Agreement  
 36.101 v17.0.0 CR-5716 Cat: B (Rel-17)  
  
 Source: Ericsson, Ligado Networks*

**Abstract:**

CR of adding LTE B24 for UE category NB1/NB2 in R17

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100609 CR of adding LTE B24 for UE category NB1/NB2 in R17**

*Type: CR For: Agreement  
 36.104 v17.0.0 CR-4921 Cat: B (Rel-17)  
  
 Source: Ericsson, Ligado Networks*

**Abstract:**

CR of adding LTE B24 for UE category NB1/NB2 in R17

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100610 CR of adding LTE B24 for UE category NB1/NB2 in R17**

*Type: CR For: Agreement  
 36.133 v17.0.0 CR-7016 Cat: B (Rel-17)  
  
 Source: Ericsson, Ligado Networks*

**Abstract:**

CR of adding LTE B24 for UE category NB1/NB2 in R17

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100612 CR of adding LTE B24 for UE category NB1/NB2 in R17**

*Type: CR For: Agreement  
 37.104 v17.0.0 CR-0921 Cat: B (Rel-17)  
  
 Source: Ericsson, Ligado Networks*

**Abstract:**

CR of adding LTE B24 for UE category NB1/NB2 in R17

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100614 CR of adding LTE B24 for UE category NB1/NB2 in R17**

*Type: CR For: Agreement  
 36.307 v14.9.0 CR-4447 Cat: B (Rel-14)  
  
 Source: Ericsson, Ligado Networks*

**Abstract:**

CR of adding LTE B24 for UE category NB2 in R17

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100615 CR of adding LTE B24 for UE category NB2 in R17**

*Type: CR For: Agreement  
 36.307 v15.6.0 CR-4448 Cat: A (Rel-15)  
  
 Source: Ericsson, Ligado Networks*

**Abstract:**

CR of adding LTE B24 for UE category NB2 in R17

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100616 CR of adding LTE B24 for UE category NB2 in R17**

*Type: CR For: Agreement  
 36.307 v16.2.0 CR-4449 Cat: A (Rel-16)  
  
 Source: Ericsson, Ligado Networks*

**Abstract:**

CR of adding LTE B24 for UE category NB2 in R17

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

#### 13.7.2 RF [LTE\_bands\_R17\_M1\_M2\_NB1\_NB2-Core]

#### 13.7.3 Others [LTE\_bands\_R17\_M1\_M2\_NB1\_NB2-Perf]

**R4-2100611 CR of adding LTE B24 for UE category NB1/NB2 in R17**

*Type: CR For: Agreement  
 36.141 v17.0.0 CR-1289 Cat: B (Rel-17)  
  
 Source: Ericsson, Ligado Networks*

**Abstract:**

CR of adding LTE B24 for UE category NB1/NB2 in R17

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100613 CR of adding LTE B24 for UE category NB1/NB2 in R17**

*Type: CR For: Agreement  
 37.141 v17.0.0 CR-0960 Cat: B (Rel-17)  
  
 Source: Ericsson, Ligado Networks*

**Abstract:**

CR of adding LTE B24 for UE category NB1/NB2 in R17

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

### 13.8 Modification of LTE Band 24 specifications to comply with updated regulatory emission limits [LTE\_B24\_mod]

#### 13.8.1 General and rapporteur input [LTE\_B24\_mod-Core]

#### 13.8.2 UE RF [LTE\_B24\_mod-Core]

**R4-2100254 CR for 36.101: Corrections related to Band 24 regulatory updates**

*Type: CR For: Agreement  
 36.101 v10.28.0 CR-5714 Cat: F (Rel-10)  
  
 Source: Ligado Networks, Nokia, Skyworks Solutions Inc.*

**Abstract:**

Changes to TS 36.101 related to recent Band 24 regulatory updates

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102909 CR for 36.101: Corrections related to Band 24 regulatory updates**

*Type: CR For: Agreement  
 36.101 v11.25.0 CR-5728 Cat: A (Rel-11)  
  
 Source: Ligado Networks*

**Abstract:**

Changes to 36.101 related to Band 24 regulatory updates

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102910 CR for 36.101: Corrections related to Band 24 regulatory updates**

*Type: CR For: Agreement  
 36.101 v12.25.0 CR-5729 Cat: A (Rel-12)  
  
 Source: Ligado Networks*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102911 CR for 36.101: Corrections related to Band 24 regulatory updates**

*Type: CR For: Agreement  
 36.101 v17.0.0 CR-5730 Cat: A (Rel-17)  
  
 Source: Ligado Networks*

**Discussion:**

[report of discussion]

**Decision:** The document was **withdrawn**.

**R4-2102913 CR for 36.101: Corrections related to Band 24 regulatory updates**

*Type: CR For: Agreement  
 36.101 v14.17.0 CR-5731 Cat: A (Rel-14)  
  
 Source: Ligado Networks*

**Abstract:**

Changes to 36.101 related to Band 24 regulatory updates

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102914 CR for 36.101: Corrections related to Band 24 regulatory updates**

*Type: CR For: Agreement  
 36.101 v15.13.0 CR-5732 Cat: A (Rel-15)  
  
 Source: Ligado Networks*

**Abstract:**

Changes to 31.101 related to Band 24 regulatory updates

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102915 CR for 36.101: Corrections related to Band 24 regulatory updates**

*Type: CR For: Agreement  
 36.101 v16.8.0 CR-5733 Cat: A (Rel-16)  
  
 Source: Ligado Networks*

**Abstract:**

Changes to 31.101 related to Band 24 regulatory updates

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102916 CR for 36.101: Corrections related to Band 24 regulatory updates**

*Type: CR For: Agreement  
 36.101 v17.0.0 CR-5734 Cat: A (Rel-17)  
  
 Source: Ligado Networks*

**Abstract:**

Changes to 31.101 related to Band 24 regulatory updates

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102918 CR for 36.101: Corrections related to Band 24 regulatory updates**

*Type: CR For: Agreement  
 36.101 v13.19.1 CR-5735 Cat: A (Rel-13)  
  
 Source: Ligado Networks*

**Abstract:**

Changes to 31.101 related to Band 24 regulatory updates

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

#### 13.8.3 BS RF [LTE\_B24\_mod-Core]

**R4-2100255 CR for 37.105: Corrections related to Band 24 regulatory updates**

*Type: CR For: Agreement  
 37.105 v15.11.0 CR-0215 Cat: F (Rel-15)  
  
 Source: Ligado Networks*

**Abstract:**

Changes to TS 37.105 related to Band 24 regulatory updates

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100532 CR for 37.105: Corrections related to Band 24 regulatory updates**

*Type: CR For: Agreement  
 37.105 v16.6.0 CR-0217 Cat: A (Rel-16)  
  
 Source: Ligado Networks*

**Abstract:**

Corrections to TS 37.105 related to Band 24 regulatory updates

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100533 CR for 37.105: Corrections related to Band 24 regulatory updates**

*Type: CR For: Agreement  
 37.105 v17.0.0 CR-0218 Cat: A (Rel-17)  
  
 Source: Ligado Networks*

**Abstract:**

Changes to TS 37.105 related to Band 24 regulatory updates

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102452 CR to 36.104: Correction to Band 24 requirements (Rel-10)**

*Type: CR For: Agreement  
 36.104 v10.13.0 CR-4928 Cat: F (Rel-10)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102453 CR to 36.104: Correction to Band 24 requirements (Rel-11)**

*Type: CR For: Agreement  
 36.104 v11.17.0 CR-4929 Cat: A (Rel-11)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102454 CR to 36.104: Correction to Band 24 requirements (Rel-12)**

*Type: CR For: Agreement  
 36.104 v12.13.0 CR-4930 Cat: A (Rel-12)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102455 CR to 36.104: Correction to Band 24 requirements (Rel-13)**

*Type: CR For: Agreement  
 36.104 v13.13.0 CR-4931 Cat: A (Rel-13)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102456 CR to 36.104: Correction to Band 24 requirements (Rel-14)**

*Type: CR For: Agreement  
 36.104 v14.9.0 CR-4932 Cat: A (Rel-14)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102457 CR to 36.104: Correction to Band 24 requirements (Rel-15)**

*Type: CR For: Agreement  
 36.104 v15.10.0 CR-4933 Cat: A (Rel-15)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102458 CR to 36.104: Correction to Band 24 requirements (Rel-16)**

*Type: CR For: Agreement  
 36.104 v16.8.0 CR-4934 Cat: A (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102459 CR to 36.104: Correction to Band 24 requirements (Rel-17)**

*Type: CR For: Agreement  
 36.104 v17.0.0 CR-4935 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102468 CR to 37.104: Correction to Band 24 requirements (Rel-10)**

*Type: CR For: Agreement  
 37.104 v10.14.0 CR-0925 Cat: F (Rel-10)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102469 CR to 37.104: Correction to Band 24 requirements (Rel-11)**

*Type: CR For: Agreement  
 37.104 v11.14.0 CR-0926 Cat: A (Rel-11)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102470 CR to 37.104: Correction to Band 24 requirements (Rel-12)**

*Type: CR For: Agreement  
 37.104 v12.13.0 CR-0927 Cat: A (Rel-12)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102471 CR to 37.104: Correction to Band 24 requirements (Rel-13)**

*Type: CR For: Agreement  
 37.104 v13.8.0 CR-0928 Cat: A (Rel-13)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102472 CR to 37.104: Correction to Band 24 requirements (Rel-14)**

*Type: CR For: Agreement  
 37.104 v14.6.0 CR-0929 Cat: A (Rel-14)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102473 CR to 37.104: Correction to Band 24 requirements (Rel-15)**

*Type: CR For: Agreement  
 37.104 v15.12.0 CR-0930 Cat: A (Rel-15)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102474 CR to 37.104: Correction to Band 24 requirements (Rel-16)**

*Type: CR For: Agreement  
 37.104 v16.8.0 CR-0931 Cat: A (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102475 CR to 37.104: Correction to Band 24 requirements (Rel-17)**

*Type: CR For: Agreement  
 37.104 v17.0.0 CR-0932 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

#### 13.8.4 RRM and others [LTE\_B24\_mod-Core/Perf]

**R4-2100256 CR for 37.145-1: Corrections related to Band 24 regulatory updates**

*Type: CR For: Agreement  
 37.145-1 v13.11.0 CR-0235 Cat: F (Rel-13)  
  
 Source: Ligado Networks*

**Abstract:**

Changes to TS 37.145-1 related to Band 24 regulatory updates

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100257 CR for 37.145-2: Corrections related to Band 24 regulatory updates**

*Type: CR For: Agreement  
 37.145-2 v15.9.0 CR-0269 Cat: F (Rel-15)  
  
 Source: Ligado Networks*

**Abstract:**

Changes to 37.145-2 related to Band 24 regulatory updates

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100534 CR for 37.145-1: Corrections related to Band 24 regulatory updates**

*Type: CR For: Agreement  
 37.145-1 v13.11.0 CR-0237 Cat: A (Rel-13)  
  
 Source: Ligado Networks*

**Abstract:**

Changes to 37.145-1 related to regulatory updates

**Discussion:**

[report of discussion]

**Decision:** The document was **withdrawn**.

**R4-2100535 CR for 37.145-1: Corrections related to Band 24 regulatory updates**

*Type: CR For: Agreement  
 37.145-1 v14.9.0 CR-0238 Cat: A (Rel-14)  
  
 Source: Ligado Networks*

**Abstract:**

Changes to 37.145-1 related to Band 24 regulatory updates

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100536 CR for 37.145-1: Corrections related to Band 24 regulatory updates**

*Type: CR For: Agreement  
 37.145-1 v15.8.0 CR-0239 Cat: A (Rel-15)  
  
 Source: Ligado Networks*

**Abstract:**

Changes to 37.145-1 related to Band 24 regulatory updates

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100537 CR for 37.145-1: Corrections related to Band 24 regulatory updates**

*Type: CR For: Agreement  
 37.145-1 v16.5.0 CR-0240 Cat: A (Rel-16)  
  
 Source: Ligado Networks*

**Abstract:**

Changes to 37.145-1 related to Band 24 regulatory updates

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100538 CR for 37.145-1: Corrections related to Band 24 regulatory updates**

*Type: CR For: Agreement  
 37.145-1 v17.0.0 CR-0241 Cat: A (Rel-17)  
  
 Source: Ligado Networks*

**Abstract:**

Changes to 37.145-1 related to Band 24 regulatory updates

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100539 CR for 37.145-2: Corrections related to Band 24 regulatory updates**

*Type: CR For: Agreement  
 37.145-2 v16.6.0 CR-0274 Cat: A (Rel-16)  
  
 Source: Ligado Networks*

**Abstract:**

Changes to 37.145-2 related to Band 24 regulatory updates

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100540 CR for 37.145-2: Corrections related to Band 24 regulatory updates**

*Type: CR For: Agreement  
 37.145-2 v17.0.0 CR-0275 Cat: A (Rel-17)  
  
 Source: Ligado Networks*

**Abstract:**

Changes to 37.145-2 related to band 24 regulatory updates

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102460 CR to 36.141: Correction to Band 24 requirements (Rel-10)**

*Type: CR For: Agreement  
 36.141 v10.14.0 CR-1296 Cat: F (Rel-10)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102461 CR to 36.141: Correction to Band 24 requirements (Rel-11)**

*Type: CR For: Agreement  
 36.141 v11.17.0 CR-1297 Cat: A (Rel-11)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102462 CR to 36.141: Correction to Band 24 requirements (Rel-12)**

*Type: CR For: Agreement  
 36.141 v12.14.0 CR-1298 Cat: A (Rel-12)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102463 CR to 36.141: Correction to Band 24 requirements (Rel-13)**

*Type: CR For: Agreement  
 36.141 v13.15.0 CR-1299 Cat: A (Rel-13)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102464 CR to 36.141: Correction to Band 24 requirements (Rel-14)**

*Type: CR For: Agreement  
 36.141 v14.12.0 CR-1300 Cat: A (Rel-14)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102465 CR to 36.141: Correction to Band 24 requirements (Rel-15)**

*Type: CR For: Agreement  
 36.141 v15.11.0 CR-1301 Cat: A (Rel-15)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102466 CR to 36.141: Correction to Band 24 requirements (Rel-16)**

*Type: CR For: Agreement  
 36.141 v16.8.0 CR-1302 Cat: A (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102467 CR to 36.141: Correction to Band 24 requirements (Rel-17)**

*Type: CR For: Agreement  
 36.141 v17.0.0 CR-1303 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102476 CR to 37.141: Correction to Band 24 requirements (Rel-10)**

*Type: CR For: Agreement  
 37.141 v10.14.0 CR-0965 Cat: F (Rel-10)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102477 CR to 37.141: Correction to Band 24 requirements (Rel-11)**

*Type: CR For: Agreement  
 37.141 v11.15.0 CR-0966 Cat: A (Rel-11)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102478 CR to 37.141: Correction to Band 24 requirements (Rel-12)**

*Type: CR For: Agreement  
 37.141 v12.13.0 CR-0967 Cat: A (Rel-12)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102479 CR to 37.141: Correction to Band 24 requirements (Rel-13)**

*Type: CR For: Agreement  
 37.141 v13.14.0 CR-0968 Cat: A (Rel-13)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102480 CR to 37.141: Correction to Band 24 requirements (Rel-14)**

*Type: CR For: Agreement  
 37.141 v14.12.0 CR-0969 Cat: A (Rel-14)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102481 CR to 37.141: Correction to Band 24 requirements (Rel-15)**

*Type: CR For: Agreement  
 37.141 v15.13.0 CR-0970 Cat: A (Rel-15)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102482 CR to 37.141: Correction to Band 24 requirements (Rel-16)**

*Type: CR For: Agreement  
 37.141 v16.8.0 CR-0971 Cat: A (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102483 CR to 37.141: Correction to Band 24 requirements (Rel-17)**

*Type: CR For: Agreement  
 37.141 v17.0.0 CR-0972 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

## 14 Rel-17 Study Items for LTE

### 14.1 High-power UE operation for fixed-wireless/vehicle-mounted use cases in LTE bands 5 and 12 and NR band n71 [FS\_LTE\_NR\_HPUE\_FWVM]

#### 14.1.1 General

**R4-2101798 Revised Work Plan for Study on High-power UE operation for fixed-wireless/vehicle-mounted use cases in Band 12, Band 5, and Band n71**

*Type: other For: Approval  
 Source: Nokia, Nokia Shanghai Bell, T-Mobile USA, U.S. Cellular*

**Abstract:**

This contribution provides a revised work plan according to the current progress. In view of the cancelled physical meetings and the current progress of this study item, it is proposed to request at RAN#91 to extend the study item for one quarter to compl

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101799 TR 37.880 V0.2.0: High-power UE operation for fixed-wireless/vehicle-mounted use cases in Band 12, Band 5, and Band n71**

*Type: draft TR For: Agreement  
 37.880 v0.2.0  
 Source: Nokia, Nokia Shanghai Bell*

**Abstract:**

Updated TR for Study on High-power UE operation for fixed-wireless/vehicle-mounted use cases in Band 12, Band 5, and Band n71.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

#### 14.1.2 Coexistence study

**R4-2101800 TP to TR 37.880: Coexistence Simulation Results for High-power UE Vs NB-IoT guard band operation for fixed-wireless/vehicle-mounted use cases in Band 12, Band 5, and Band n71**

*Type: pCR For: Approval  
 37.880 v0.1.0  
 Source: Nokia, Nokia Shanghai Bell*

**Abstract:**

This contribution provides the coexistence simulation results for this scenario according to the agreed assumptions and a text proposal for approval to record the simulation results and observations into TR 37.880.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

#### 14.1.3 UE RF

**R4-2100131 HPUE for bands 5, 12 and n71 UE RF aspects.**

*Type: pCR For: Approval  
 37.880 v0.0.1  
 Source: Nokia*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

## 15 Liaison and output to other groups

**R4-2102148 Discussion on LS RP-202935 BCS reporting and support for intra-band EN-DC band combinations**

*Type: discussion For: Approval  
 Source: T-Mobile USA, Bell Mobility, TELUS, Nokia, Nokia Shanghai Bell*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102149 Draft Reply LS to RP-202935 on BCS reporting and support for intra-band EN-DC band combinations (to: RAN, RAN2; cc: -; contact: T-Mobile USA)**

*Type: LS out For: Approval  
 to RAN, RAN2  
 Source: T-Mobile USA, Bell Mobility, TELUS*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

### 15.1 R17 related

**R4-2100159 Discussion on phase continuity for PUSCH and PUCCH repetitions for LS reply**

*Type: other For: Approval  
 Source: InterDigital Communications*

**Abstract:**

Discussion on phase continuity for PUSCH and PUCCH repetitions for LS reply. We propose answers for each question of the LS received from RAN1.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100236 Discussion on RAN1 LS on temporary RS for efficient SCell activation in NR CA**

*Type: discussion For: Discussion  
 Source: Apple*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100547 Discussion on LS on questions to RAN WGs on dual Radio UE (2Rx/2Tx or 2Rx/1Tx) support for simultaneous communication with both SNPN and PLMN**

*Type: other For: Approval  
 Source: Sony*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100889 Discussion on LS on PUCCH and PUSCH repetition**

*Type: other For: Approval  
 Source: Qualcomm Incorporated*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101017 Discussion and Draft Reply LS to RAN1 on beam switching gap**

*Type: discussion For: Discussion  
 Source: Apple*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101157 Discussion reply LS on Beam switching gaps for Multi-TRP UL transmission**

*Type: discussion For: Discussion  
 Source: MediaTek inc.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101543 Reply LS on temporary RS for efficient SCell activation in NR CA**

*Type: LS out For: Approval  
 to RAN1  
 Source: OPPO*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101709 Discussion on temporary RS for efficient SCell activation in NR CA**

*Type: discussion For: Discussion  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102347 Reply LS on PUCCH and PUSCH repetition**

*Type: other For: Approval  
 Source: Ericsson*

**Abstract:**

RAN1 LS (R1-2009784) is discussed and LS reply is proposed

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102389 Discussion on reply LS on Beam switching gaps for Multi-TRP UL transmission**

*Type: discussion For: Discussion  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102390 draft reply LS on Beam switching gaps for Multi-TRP UL transmission**

*Type: LS out For: Approval  
 to RAN1  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102630 on phase continuity for PUCCH and PUSCH repetition and reply LS**

*Type: other For: Approval  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102710 Discussion and Reply LS on Beam switching gaps for Multi-TRP UL transmission**

*Type: discussion For: Discussion  
 Source: vivo*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102894 Discussion on temporary RS for efficient SCell activation in NR CA**

*Type: discussion For: Discussion  
 Source: Qualcomm Incorporated*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

### 15.2 Others

**R4-2102387 On SUO for intra-band EN-DC**

*Type: other For: Approval  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102388 On BCS reporting and support for intra-band EN-DC band combinations**

*Type: other For: Approval  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

## 16 Revision of the Work Plan

### 16.1 Simplification of band combinations in RAN4 specifications

**R4-2100089 Handling of agreements about band combinations**

*Type: other For: Approval  
 Source: Nokia, Nokia Shanghai Bell*

**Abstract:**

Continuation of discussion on RP-202863

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100120 On optimization for band combination in RAN4 specifications**

*Type: discussion For: Approval  
 Source: ZTE Corporation*

**Abstract:**

This paper if for further discussion on optimization for band combination in RAN4 specifications

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100121 CR to TS 38.101-1 on optimization on delta TIB and RIB for band combinations (Rel-16)**

*Type: CR For: Agreement  
 38.101-1 v16.6.0 CR-0590 Cat: F (Rel-16)  
  
 Source: ZTE Corporation*

**Abstract:**

This CR is for optimization on delta TIB and RIB for band combinations in 38.101-1

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100122 CR to TS 38.101-1 on optimization on delta TIB and RIB for band combinations (Rel-17)**

*Type: CR For: Agreement  
 38.101-1 v17.0.0 CR-0591 Cat: A (Rel-17)  
  
 Source: ZTE Corporation*

**Abstract:**

This CR is for optimization on delta TIB and RIB for band combinations in 38.101-1

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100123 CR to TS 38.101-2 on optimization on delta RIB for inter-band CA (Rel-16)**

*Type: CR For: Agreement  
 38.101-2 v16.6.0 CR-0316 Cat: F (Rel-16)  
  
 Source: ZTE Corporation*

**Abstract:**

This CR is for optimization on delta RIB for inter-band CA in 38.101-2

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100124 CR to TS 38.101-2 on optimization on delta RIB for inter-band CA (Rel-17)**

*Type: CR For: Agreement  
 38.101-2 v17.0.0 CR-0317 Cat: A (Rel-17)  
  
 Source: ZTE Corporation*

**Abstract:**

This CR is for optimization on delta RIB for inter-band CA in 38.101-2

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100125 CR to TS 38.101-3 on optimization on delta TIB and RIB for inter-band EN-DC (Rel-16)**

*Type: CR For: Agreement  
 38.101-3 v16.6.0 CR-0433 Cat: F (Rel-16)  
  
 Source: ZTE Corporation*

**Abstract:**

This CR is for optimization on delta TIB and RIB for inter-band EN-DC in 38.101-3

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100126 CR to TS 38.101-3 on optimization on delta TIB and RIB for inter-band EN-DC (Rel-17)**

*Type: CR For: Agreement  
 38.101-3 v17.0.0 CR-0434 Cat: A (Rel-17)  
  
 Source: ZTE Corporation*

**Abstract:**

This CR is for optimization on delta TIB and RIB for inter-band EN-DC in 38.101-3

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101818 Draft LS on change of methodology for new LTE-CA REL-17 combinations**

*Type: LS out For: Approval  
 to RAN5  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

### 16.2 R17 new proposals

#### 16.2.1 Spectrum related

**R4-2100101 Motivation for new WI on air-to-ground network for NR**

*Type: WID new For: Information  
 Source: CMCC*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100102 New WID on air-to-ground network for NR**

*Type: WID new For: Information  
 Source: CMCC*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100887 New WID on Introduction of FR2 FWA UE with maximum TRP of 23dBm for band n259**

*Type: discussion For: Information  
 Source: SoftBank Corp., Rakuten Mobile*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100888 Motivation on new WID on Introduction of FR2 FWA UE with maximum TRP of 23dBm for band n259**

*Type: discussion For: Information  
 Source: SoftBank Corp., Rakuten Mobile*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100940 Motivation on new WI of intra-band non-contiguous NR-DC using band n77**

*Type: discussion For: Information  
 Source: SoftBank Corp.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101819 New WID on Support of full bandwidth combinations for inter-band EN-DC combinations**

*Type: WID new For: Information  
 Source: Huawei, HiSilicon*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

#### 16.2.2 Non-spectrum related

**R4-2100103 Motivation for new WI on PC1.5 for NR band n79**

*Type: WID new For: Information  
 Source: CMCC*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100104 WID on High power UE (power class 1.5) for NR band n79**

*Type: WID new For: Information  
 Source: CMCC*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100105 Motivation for new WI on PC2 for NR band n34**

*Type: WID new For: Information  
 Source: CMCC*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100106 WID on High power UE (power class 2) for NR band n34**

*Type: WID new For: Information  
 Source: CMCC*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100107 Motivation for new WI on PC2 for NR band n39**

*Type: WID new For: Information  
 Source: CMCC*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100108 WID on High power UE (power class 2) for NR band n39**

*Type: WID new For: Information  
 Source: CMCC*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100195 Proposal to extend R17 FeRRM WI scope**

*Type: discussion For: Information  
 38.133 v..  
 Source: Apple*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100362 Discussion on EMC Test Simplification for Rel-17 EMC enhancement**

*Type: discussion For: Discussion  
 Source: Ericsson*

**Abstract:**

Discussion paper on EMC test simplification for Rel 17 EMC enhancement

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100363 New WID proposal on RAN4 Rel-17 EMC enhancement**

*Type: WID new For: Information  
 Source: Ericsson, Xiaomi*

**Abstract:**

Proposal on a WID for Rel-17 EMC enhancement

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100941 Motivation for supporting non-colocated scenarios for band 42 and n77/n78**

*Type: discussion For: Information  
 Source: SoftBank Corp.*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101115 Discussion on NR demodulation performance in the scenario of LTE-NR coexist**

*Type: discussion For: Discussion  
 Source: ZTE Corporation*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2101728 Revised WID for NR RF Enhancement for FR2**

*Type: WID revised For: Information  
 Source: Ericsson, Sony*

**Abstract:**

Revised WID to include further work on beam correspondence

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102583 Motivation for WI: Introduction of UE TRP (Total Radiated Power) and TRS (Total Radiated Sensitivity) requirements and test methodologies for FR1 (NR SA and EN-DC)**

*Type: discussion For: Information  
 Source: vivo*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2102584 New WID: Introduction of UE TRP (Total Radiated Power) and TRS (Total Radiated Sensitivity) requirements and test methodologies for FR1 (NR SA and EN-DC)**

*Type: WID new For: Information  
 Source: vivo, OPPO, CMCC, CAICT, Rohde&Schwarz*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

### 16.3 Others

## 17 Any other business

**R4-2102236 Inclusive language review in TS 36.133**

*Type: CR For: Agreement  
 36.133 v17.0.0 CR-7035 Cat: F (Rel-17)  
  
 Source: Ericsson*

**Abstract:**

Inclusive language review of TS 36.133 according to decision in RP-202179.

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

## 18 Close of the E-meeting

**R4-2100029 Incoming LSs**

*Type: other For: Information  
 Source: ETSI MCC*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100030 Incoming LSs**

*Type: other For: Information  
 Source: ETSI MCC*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100031 Incoming LSs**

*Type: other For: Information  
 Source: ETSI MCC*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100032 Incoming LSs**

*Type: other For: Information  
 Source: ETSI MCC*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100033 Incoming LSs**

*Type: other For: Information  
 Source: ETSI MCC*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100034 Incoming LSs**

*Type: other For: Information  
 Source: ETSI MCC*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100035 Incoming LSs**

*Type: other For: Information  
 Source: ETSI MCC*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100036 Incoming LSs**

*Type: other For: Information  
 Source: ETSI MCC*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100037 Incoming LSs**

*Type: other For: Information  
 Source: ETSI MCC*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100038 Incoming LSs**

*Type: other For: Information  
 Source: ETSI MCC*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100039 Incoming LSs**

*Type: other For: Information  
 Source: ETSI MCC*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

**R4-2100040 Incoming LSs**

*Type: other For: Information  
 Source: ETSI MCC*

**Discussion:**

[report of discussion]

**Decision:** The document was **not treated**.

Report prepared by: Kai-Erik Sunell