**3GPP TSG RAN WG5 Meeting #90-e R5-210098**

**Electronic Meeting, February 22 – March 5, 2021**

**3GPP TSG RAN Meeting #91-e RP-21xxxx**

**Electronic Meeting, March 22 - 26, 2021**

## Status Report to TSG

**Agenda item:** 7.4.2

|  |  |
| --- | --- |
| **WI / SI Name** | UE Conformance Test Aspects - Rel-16 NR CA and DC; and NR and LTE DC Configurations |
| included in this status report | Study Item: No | Core part: No | Performance part:No | Testing part:Yes |
| **Acronym** | NR\_CADC\_NR\_LTE\_DC\_R16-UEConTest |
| **Unique ID** | 830083 |
| **TSG Tdoc of latest approved WI/SI description (if any)** | [RP-190321](http://www.3gpp.org/ftp/tsg_ran/TSG_RAN/TSGR_83/Docs/RP-190321.zip) |
| **Target Completion Date****(indicate if changed)** | Study Item: N/A | Core part: N/A | Performance part: N/A | Testing part: Dec. 2020  |
| **Overall Completion level** | Study Item: N/A | Core part: N/A | Performance Part: N/A | Testing part: 6.5% |

Note: Overall completion level percentage numbers should use one of the colors below:

* xx%: Normal progress, no RAN plenary action needed
* xx%: Progress behind schedule, may need RAN plenary intervention. If so, SR should clearly define requested action
* xx%: Progress critically behind, RAN plenary shall intervene. SR should define requested action

**Source:**

|  |  |
| --- | --- |
| **Leading WG** | TSG RAN WG5 |
| **Rapporteur** | **Name** | Dan SONG, Leif Mattisson, Yu SHI |
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## 1 Work plan related evaluation

|  |  |
| --- | --- |
| **Do you want to modify the time budget for this WI/SI compared to what was endorsed at the last RAN meeting?** | No |

*If you answered No: Then please remove the Excel file from the zip file of this status report.*

**Additional explanations/motivations for the time budget changes in the attached Excel table:**

## 2. Detailed progress in RAN WGs since last TSG meeting (for all involved WGs)

 NOTE: Agreements and Open issues impacted cross-TSG aspects shall be explicitly highlighted

## 2.1 RAN1

#### 2.1.1 Agreements

#### 2.1.2 Remaining Open issues

## 2.2 RAN2

#### 2.2.1 Agreements

#### 2.2.2 Remaining Open issues

## 2.3 RAN3

#### 2.3.1 Agreements

#### 2.3.2 Remaining Open issues

## 2.4 RAN4

#### 2.4.1 Agreements

#### 2.4.2 Remaining Open issues

## 2.5 RAN5

#### 2.5.1 Agreements

Status after RAN5#90-e (the details can be found in R5-210099):

* 6.5% overall completeness achieved
* For RF, 46 CRs were agreed.

#### 2.5.2 Remaining Open issues

See the work plan for details [1].

#### 2.5.3 Remaining Open issues with cross-WG dependencies

N/A.

## 2.6 RAN6

#### 2.6.1 Agreements

#### 2.6.2 Remaining Open issues

## 3. Detailed progress in SA/CT WGs since last TSG meeting (for all involved WGs)

NOTE: This section only needs to be filled in for WI/SIs where there is a corresponding relevant WI/SI in SA/CT.

## 3.1 SAx/CTs

#### 3.1.1 Agreements with cross-TSG impacts

#### 3.1.2 Remaining Open issues with cross-TSG impacts

NOTE: This section should also flag any critical dependencies that need TSG attention.

## 4. References

NOTE: This can be e.g. a list of all related Tdocs in the affected WGs since last TSG, references to LSs, produced TRs/TSs, the work/study item description or status reports of previous TSGs.

**General Papers**

[1] R5-210100 Checklist - NR\_Rel-16\_CA\_DC for RAN5#89-e, CMCC, BV

[2] R5-210099 WP - NR\_Rel-16\_CA\_DC after RAN5#90-e, CMCC

**TS 38.508-1 CRs**

[1] R5-211117 Update of 4.3.1.1.3.66.1 for test frequency of NR intra-band contiguous CA\_n66B, ZTE Corporation.

[2] R5-211121 Update of 4.3.1.3.2.1 for test frequencies for NR-DC configurations between FR1 and FR2, ZTE Corporation.

[3] R5-211762 Update of 4.3.1.4.1 for test frequencies for EN-DC band combinations within FR1, ZTE Corporation.

[4] R5-211763 Update of 4.3.1.5.1 for test frequencies for EN-DC band combinations including FR2, ZTE Corporation.

[5] R5-211124 Update of 4.3.1.6.1.3 for test frequencies for EN-DC band combinations including FR1 and FR2, ZTE Corporation.

**TS 38.508-2 CRs**

[1] R5-211904 Updating UE capability for Rel-16 NR inter-band CA configurations for band n1, DOCOMO Communications Lab.

[2] R5-211449 Correction of Table A.4.3.2B.2.3.12-1, Google Inc.

**TS 38.521-1 CRs**

[1] R5-211274 Updating 6.5A.3.2 for CA\_n1A-n79A, DOCOMO Communications Lab.

[2] R5-210169 Addition of TC 7.3A.0.3.2.4 RIB,c for four bands, CMCC

[3] R5-210170 Update of TC 7.7A.3, CMCC

[4] R5-211764 Update of 7.5A.3 Adjacent channel selectivity for 4DL CA, China Telecommunications

[5] R5-210539 Introduction 4CA Reference Sensitivity test 7.3A.3, WE Certification Oy, DISH Network

[6] R5-210540 Introduction 4CA Maximum Input Level test 7.4A.3, WE Certification Oy, DISH Network

[7] R5-210541 Introduction 4CA In-Band Blocking test 7.6A.2.3, WE Certification Oy, DISH Network

[8] R5-211008 Update of CA\_n1A-n78C into 3DL CA Refsense TC 7.3A.2, China Unicom

[9] R5-211026 Update of CA\_n1A-n78C into 3DL CA maximum input level TC 7.4A.2, China Unicom

[10] R5-211765 Update of R16 CADC configurations into TS38.521-1 clause 5, China Unicom, Huawei, HiSilicon, NTT Docomo

[11] R5-211249 Discussion paper to align DL CA Rx test cases, Dish Network

**TS 38.521-3 CRs**

[1] R5-211766 Introduction of Rel-16 EN-DC configuration DC\_7A\_n3A to spurious emission test case 6.5B.3.3.2, Nokia, Nokia Shanghai Bell, Ericsson

[2] R5-211767 Introduction of Rel-16 EN-DC configuration DC\_8A\_n3A to spurious emission test case 6.5B.3.3.2, Nokia, Nokia Shanghai Bell, Ericsson

[3] R5-211768 Introduction of Rel-16 EN-DC configuration DC\_20A\_n1A to spurious emission test case 6.5B.3.3.2, Nokia, Nokia Shanghai Bell, Ericsson

[4] R5-210943 Adding delta TIB and delta RIB for DC\_2-7-7-66\_n78, Huawei, HiSilicon

[5] R5-211769 Update for 6.5B.3.3.2 Spurious emission band UE co-existence\_Rel16, Qualcomm Korea

[6] R5-211770 Adding Delta TIB,c for DC\_1A-28A\_n3A, DC\_7A-20A\_n1A and DC\_7A-28A\_n3A to clause 6.2B.4.2.3.3, Ericsson

[7] R5-211771 Introduction of DC\_7A\_n3A to reference sensitivity test, Nokia, Nokia Shanghai Bell

[8] R5-211772 Introduction of DC\_8A\_n1A and DC\_8A\_n3A to reference sensitivity test, Nokia, Nokia Shanghai Bell

[9] R5-210093 Introduction of DC\_7A-20A\_n3A to reference sensitivity test, Nokia, Nokia Shanghai Bell

[10] R5-211773 Adding Inter-band EN-DC combination within FR1, KDDI Corporation

[11] R5-211905 Introduction of DC\_1A-28A\_n3A to reference sensitivity test, Ericsson

[12] R5-211240 Introduction of DC\_7A-20A\_n1A to reference sensitivity test, Ericsson

[13] R5-211241 Introduction of DC\_7A-28A\_n3A to reference sensitivity test, Ericsson

[14] R5-211005 Update to EN-DC R16 Configuration information in clause 5, Bureau Veritas, Ericsson

[15] R5-211020 Adding EN-DC configurations DC\_1A-28A\_n3A and DC\_7A-28A\_n3A to clause 5.5B.4.2, Ericsson

[16] R5-211125 Update of 5.3B for UE channel bandwidth for EN-DC, ZTE Corporation

**TS 38.905 CRs**

[1] R5-211774 Introduction of spurious emission TP analysis for Rel-16 EN-DC configuration DC\_7A\_n3A, Nokia, Nokia Shanghai Bell, Ericsson

[2] R5-211775 Introduction of spurious emission TP analysis for Rel-16 EN-DC configuration DC\_8A\_n3A, Nokia, Nokia Shanghai Bell, Ericsson

[3] R5-211776 Introduction of spurious emission TP analysis for Rel-16 EN-DC configuration DC\_20A\_n1A, Nokia, Nokia Shanghai Bell, Ericsson

[4] R5-211777 Spur emission TP analysis R16 DC\_2A\_n41A, Qualcomm Korea

[5] R5-210963 Spur emission TP analysis R16 DC\_5A\_n2A, Qualcomm Korea

[6] R5-211778 Spur emission TP analysis R16 DC\_13A\_n2A, Qualcomm Korea

[7] R5-211779 Spur emission TP analysis R16 DC\_48A\_n5A, Qualcomm Korea, Ericsson

[8] R5-211780 Spur emission TP analysis R16 DC\_48A\_n66A, Qualcomm Korea

[9] R5-211781 Spur emission TP analysis R16 DC\_66A\_n41A, Qualcomm Korea, Ericsson

[10] R5-211906 Reference sensitivity TP analysis for DC\_1A-28A\_n3A, Ericsson

[11] R5-211907 Reference sensitivity analysis for DC\_3A-7A\_n1A, Ericsson

[12] R5-211908 Reference sensitivity TP analysis for DC\_7A-20A\_n1A, Ericsson

[13] R5-211909 Reference sensitivity TP analysis for DC\_7A-28A\_n3A, Ericsson

v04.81 31.07.2018 simplification of template and addition of cross-TSG aspects

v04.80 21.05.2018 minor adaptations for RAN #80

v04.79 26.02.2018 minor adaptations for RAN #79

v04.78 18.11.2017 minor adaptations for RAN #78

v04.77 06.08.2017 minor adaptations for RAN #77

v04.76 15.05.2017 minor adaptations for RAN #76

v04.75 31.01.2017 minor adaptations for RAN #75

v04.74 28.10.2016 minor adaptations for RAN #74

v04.73 01.09.2016 adaptations for RAN #73 (time units in extra Excel table, RAN6 reporting included)

v04.72 26.05.2016 adaptations for RAN #72 (introduction of NR & GERAN TUs)

v04.71 10.02.2016 minor adaptations for RAN #71

v04.70 30.10.2015 minor adaptations for RAN #70

v04.69 12.08.2015 minor adaptations for RAN #69

v04.68 21.05.2015 minor adaptations for RAN #68

v04.67 01.02.2015 minor adaptations for RAN #67

v04.66 16.11.2014 minor adaptations for RAN #66

v04.65 16.08.2014 minor adaptations for RAN #65

v04.64 22.05.2014 minor adaptations for RAN #64

v04.63 24.01.2014 restructuring for RAN #63 to cover Core & Perf. in one doc file

v03.62 11.11.2013 section 1.2.3 adapted for RAN #62

v03 11.08.2013 section 1.2.3 added on time budget

v02 07.05.2010 history added, some spelling corrections

v01 13.11.2009 First version of the template