**3GPP TSG-RAN WG2 Meeting #125R2-240xxxx**

**Athens, Greece, Feb 26 – Mar 1, 2024**

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| *CR-Form-v12.0* |
| **CHANGE REQUEST** |
|  |
|  | **38.306** | **CR** | **-** | **rev** | **-** | **Current version:** | **18.0.0** |  |
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| *For* [***HE******LP***](http://www.3gpp.org/3G_Specs/CRs.htm#_blank)*on using this form: comprehensive instructions can be found at* [*http://www.3gpp.org/Change-Requests*](http://www.3gpp.org/Change-Requests)*.* |
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| ***Proposed change affects:*** | UICC apps |  | ME | **X** | Radio Access Network | **X** | Core Network |  |

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|  |
| ***Title:***  | Introduction of 2Rx XR UEs [2Rx\_XR\_Device] |
|  |  |
| ***Source to WG:*** | Qualcomm Incorporated, AT&T, BT Plc, Ericsson, Huawei, HiSilicon, Nokia, Nokia Shanghai Bell, MediaTek, Meta, Samsung, T-Mobile USA, ZTE Corporation, Sanechip |
| ***Source to TSG:*** | R2 |
|  |  |
| ***Work item code:*** | NR\_TEI18, NR\_XR\_enh-Core |  | ***Date:*** | 2024-03 |
|  |  |  |  |  |
| ***Category:*** | **B** |  | ***Release:*** | Rel-18 |
|  | *Use one of the following categories:****F*** *(correction)****A*** *(mirror corresponding to a change in an earlier release)****B*** *(addition of feature),* ***C*** *(functional modification of feature)****D*** *(editorial modification)*Detailed explanations of the above categories canbe found in 3GPP [TR 21.900](http://www.3gpp.org/ftp/Specs/html-info/21900.htm). | *Use one of the following releases:Rel-8 (Release 8)Rel-9 (Release 9)Rel-10 (Release 10)Rel-11 (Release 11)Rel-12 (Release 12)**Rel-13 (Release 13)Rel-14 (Release 14)Rel-15 (Release 15)Rel-16 (Release 16)* |
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| ***Reason for change:*** | Introduce 2Rx non-RedCap XR UEs to Rel-18. |
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| ***Summary of change:*** | 1. Add an exception in the field description of *maxNumberMIMO-LayersPDSCH* (clause 4.2.7.6) that 2Rx XR UEs always report a maximum number of DL MIMO layers of 2’
2. Add a new parameter in BandNR parameters (clause 4.2.7.2) for UE to indicate its support for 2Rx antenna ports in frequency bands where 4Rx antenna ports are mandated (specified in TS 38.101-1 [2]).
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| ***Consequences if not approved:*** | 2Rx XR UEs can’t be supported. |
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| ***Clauses affected:*** | 4.2 |
|  |  |
|  | **Y** | **N** |  |  |
| ***Other specs*** | **X** |  |  Other core specifications  | TS 38.300 CR ----TS 38.304 CR ----TS 38.331 CR ---- |
| ***affected:*** |  | **X** |  Test specifications |  |
| ***(show related CRs)*** |  | **X** |  O&M Specifications |  |
|  |  |
| ***Other comments:*** |  |
|  |  |
| ***This CR's revision history:*** |  |

#### ------------------------------------------------------ [Start of the 1st change ] -----------------------------------------------------------

#### 4.2.7.6 *FeatureSetDownlinkPerCC* parameters

| **Definitions for parameters** | **Per** | **M** | **FDD-TDD****DIFF** | **FR1-FR2****DIFF** |
| --- | --- | --- | --- | --- |
| ***broadcastSCell-r17***Indicates whether the UE supports MBS reception via broadcast in RRC\_CONNECTED, on one frequency indicated in an *MBSInterestIndication* message, when an SCell is configured and activated on that frequency, as specified in TS 38.331 [9].NOTE: The UE is not required to receive MBS via broadcast on PCell and SCell simultaneously | FSPC | No | No | No |
| ***broadcastNonServingCell-r18***Indicates whether the UE supports simultaneous MBS broadcast reception on a non-serving cell on this CC and unicast/multicast reception on other CCs within the same band combination in RRC\_CONNECTED. | FSPC | No | N/A | N/A |
| ***channelBW-90mhz***Indicates whether the UE supports the channel bandwidth of 90 MHz.For FR1, the UE shall indicate support according to TS 38.101-1 [2], Table 5.3.5-1. | FSPC | CY | N/A | FR1 only |
| ***dci-BroadcastWith16Repetitions-r17***Indicates whether the UE supports up to 16 times dynamic slot-level repetition for broadcast MTCH. | FSPC | No | No | No |
| ***fdm-BroadcastUnicast-r17***Indicates whether the UE supports overlapping PDSCH reception that one unicast PDSCH and one group-common PDSCH for broadcast in RRC CONNECTED in a slot are partially or fully overlapping in time domain and non-overlapping in frequency domain.A UE supporting this feature shall also support broadcast reception as specified in clause 5.10. | FSPC | No | N/A | N/A |
| ***fdm-MulticastUnicast-r17***Indicates whether the UE supports overlapping PDSCH reception that one dynamically scheduled unicast PDSCH and one dynamically scheduled group-common PDSCH for multicast in RRC CONNECTED in a slot are partially or fully overlapping in time domain and non-overlapping in frequency domain.A UE supporting this feature shall also indicate support of *dynamicMulticastPCell-r17*, or at least one of {*ack-NACK-FeedbackForSPS-Multicast-r17*, *nack-OnlyFeedbackForSPS-Multicast-r17*}*.*NOTE: The UE supporting this feature is not required to support FDMed SPS. | FSPC | No | N/A | N/A |
| ***intraSlotTDM-UnicastGroupCommonPDSCH-r17***Indicates whether the UE supports Intra-slot TDM-ed unicast PDSCH and group-common PDSCH. The value indicates that for any two consecutive slots n and n+1, if there are more than 1 broadcast/multicast/unicast PDSCH in either slot, whether to require the minimum time separation (4 OFDM symbols for 30kHz and 7 OFDM symbols for 60kHz) between starting time of any two broadcast/multicast/unicast PDSCHs within the duration of these slots.This feature includes the following functional components:- Supports TDM between one unicast PDSCH and one group-common PDSCH in a slot;- Support TDM between M (M>1) TDMed unicast PDSCHs and one group-common PDSCH in a slot per CC;- Support TDM among N (N>1) group-common PDSCHs in a slot per CC;- Support TDM between K (K>1) TDMed unicast PDSCHs and L (L>1) TDMed group-common PDSCHs in a slot per CC;- The UE maximum number of TDMed PDSCH receptions capability in a slot per CC is kept based on *pdsch-ProcessingType1-DifferentTB-PerSlot*;- Up to one broadcast PDSCH is supported in a slot.A UE supporting this feature shall support broadcast reception as specified in clause 5.10 and/or indicate support of *dynamicMulticastPCell-r17*, and shall indicate support of *pdsch-ProcessingType1-DifferentTB-PerSlot*.NOTE1: Group-common PDSCH(s) are counted as unicast PDSCH(s).NOTE2: The max number of (M+1), N, (K+L) are determined based on the numbers reported by *pdsch-ProcessingType1-DifferentTB-PerSlot*. | FSPC | No | N/A | N/A |
| ***supportedCRS-InterfMitigation-r17***Indicates whether the UE supports CRS interference mitigation (CRS-IM) in both DSS and non-DSS scenarios with overlapping spectrum for LTE and NR, which is defined in TS 38.101-4 [18]. The capability signalling contains the following:- *crs-IM-DSS-15kHzSCS-r17* indicates whether the UE supports neighboring LTE cell CRS-IM in DSS scenario with NR 15 kHz SCS. UE can indicate support of this capability on the CC(s) in a band only if the UE indicates support of *rateMatchingLTE-CRS* on that band.- *crs-IM-nonDSS-15kHzSCS-r17* indicates whether the UE supports neighboring LTE cell CRS-IM in non-DSS and 15 kHz NR SCS scenario, without the assistance of network signalling on LTE channel bandwidth.- *crs-IM-nonDSS-NWA-15kHzSCS-r17* indicates whether the UE supports neighboring LTE cell CRS-IM in non-DSS and 15 kHz NR SCS scenario, with the assistance of network signalling on LTE channel bandwidth.- *crs-IM-nonDSS-30kHzSCS-r17* indicates whether the UE supports neighboring LTE cell CRS-IM in non-DSS and 30 kHz NR SCS scenario, without the assistance of network signalling on LTE channel bandwidth.- crs*-IM-nonDSS-NWA-30kHzSCS-r17* indicates whether the UE supports neighboring LTE cell CRS-IM in non-DSS and 30 kHz NR SCS scenario, with the assistance of network signalling on LTE channel bandwidth.For the UE supporting the capability of *crs-IM-DSS-15kHzSCS-r17*, the UE can perform CRS-IM without the assistant configuration information of neighbour LTE cells when *RateMatchPatternLTE-CRS* is configured for the serving cell, and if *lte-NeighCellsCRS-Assumptions-r17* is not configured.For the UE supporting the capability of *crs-IM-nonDSS-15kHzSCS-r17*, the UE can perform CRS-IM without the assistant configuration information of neighbour LTE cells with 15 kHz SCS when *RateMatchPatternLTE-CRS* is not configured for the serving cell, and if *MeasObjectEUTRA* is configured, the configured measurement gaps overlap with neighbour LTE cell PBCH position and *lte-NeighCellsCRS-Assumptions-r17* is not configured*.*For the UE supporting the capabilities of *crs-IM-nonDSS-30kHzSCS-r17*, the UE can perform CRS-IM without the assistant configuration information of neighbour LTE cells with 30 kHz SCS when *RateMatchPatternLTE-CRS* is not configured for the serving cell, and if *MeasObjectEUTRA* is configured, the configured measurement gaps overlap with neighbour LTE cell PBCH position and *lte-NeighCellsCRS-Assumptions-r17* is not configured.NOTE 1: In the DSS scenario, serving and neighboring cells are both operating with dynamic spectrum sharing (DSS) of NR and LTE.NOTE 2: In the non-DSS scenario, serving cell is operating in NR, and neighboring cells are operating in LTE. | FSPC | No | No | FR1 only |
| ***dynamicMulticastSCell-r17***Indicates whether the UE supports to receive group-common PDCCH/PDSCH with CRC scrambled by G-RNTI for SCell on one frequency, when an SCell is configured and activated on that frequency, as specified in TS 38.331 [9].A UE supporting this feature shall also indicate support of *dynamicMulticastPCell-r17*.NOTE: UE is not expected to be configured simultaneously with more than one component carrier for multicast reception. | FSPC | No | N/A | N/A |
| ***maxModulationOrderForMulticastDataRateCalculation-r17***Defines the maximum modulation order used for maximum data rate calculation for multicast PDSCH.- For FR1, up to 1024QAM is supported as maximum modulation order used for maximum data rate calculation for multicast PDSCH, with candidate values {qam256, qam1024}.- For FR2, up to 256QAM is supported as maximum modulation order used for maximum data rate calculation for multicast PDSCH, with candidate values {qam64, qam256}.A UE supporting this feature shall also indicate support of *dynamicMulticastPCell-r17*. | FSPC | No | N/A | N/A |
| ***maxNumberMIMO-LayersPDSCH***Defines the maximum number of spatial multiplexing layer(s) supported by the UE for DL reception. For single CC standalone NR, it is mandatory with capability signalling to support at least 4 MIMO layers in the bands where 4Rx is specified as mandatory for the given UE and at least 2 MIMO layers in FR2. If *supportOf2RxXR* is indicated, for single CC standalone NR, it is mandatory with capability signalling to support 2 MIMO layers in the bands where 4Rx is specified as mandatory otherwise (as specified in TS 38.101-1 [2]). If absent, the UE does not support MIMO on this carrier.For the bands where *pdsch-1024QAM-2MIMO-FR1-r17* is indicated, MIMO layers for 1024 QAM is the smaller value between 2 and *maxNumberMIMO-LayersPDSCH.* | FSPC | CY | N/A | N/A |
| ***maxNumberMIMO-LayersMulticastPDSCH-r17***Defines the maximum number of spatial multiplexing layer(s) supported by the UE for multicast PDSCH. If not reported, UE supports 1 MIMO layer only for multicast PDSCH.A UE supporting this feature shall also indicate support of *dynamicMulticastPCell-r17*.NOTE: If the UE supports up to 8 layers, the UE supports second TB (TB2). | FSPC | No | N/A | N/A |
| ***multiDCI-InterCellMultiTRP-TwoTA-r18***Indicates whether the UE supports two TA enhancement for multi-DCI based inter-cell Multi-TRP operation by indicating the maximum number {1,2} of *n-TimingAdvanceOffset* value per serving cell.A UE supporting this feature shall also indicate support of *multiDCI-MultiTRP-r16.* | FSPC | No | N/A | N/A |
| ***multiDCI-IntraCellMultiTRP-TwoTA-r18***Indicates whether the UE supports two TA enhancement for multi-DCI based intra-cell Multi-TRP operation.A UE supporting this feature shall also indicate support of *multiDCI-MultiTRP-r16.* | FSPC | No | N/A | N/A |
| ***multiDCI-MultiTRP-r16***Indicates whether the UE supports multi-DCI based multi-TRP PDSCH/PUSCH operation and support of fully/partially overlapping PDSCHs in time and non-overlapping in frequency. This capability applies only to BWPs where two values of *coresetPoolIndex* are configured. The capability signalling contains the following:- *maxNumberCORESET-r16* indicates maximum number of CORESETs configured per BWP per cell in addition to CORESET 0 for multi-DCI based multi-TRP PDSCH/PUSCH operation.- *maxNumberCORESETPerPoolIndex-r16* indicates maximum number of CORESETs configured per *coresetPoolIndex* per BWP per cell in addition to CORESET 0 for multi-DCI based multi-TRP PDSCH/PUSCH operation.- *maxNumberUnicastPDSCH-PerPool-r16* indicates maximum number of unicast PDSCHs per *coresetPoolIndex* per slot.NOTE 1: A UE may assume that its maximum receive timing difference between the DL transmissions from two TRPs is within a Cyclic Prefix.NOTE 2: Processing capability 2 is not supported in any CC if at least one CC is configured with two values of *coresetPoolIndex*.NOTE 3: If UE reports value N1 for *maxNumberCORESET-r16*, that means UE supports up to min (N1+1, 5) CORESETs in total (including CORESET#0) if there is CORESET#0, and supports maximal N1 CORESETs if there is no CORESET#0.NOTE 4: If UE reports value N2 for *maxNumberCORESETPerPoolIndex-r16*, that means UE supports up to min (N2+1, 3) CORESETs in total (including CORESET#0) for a TRP if there is CORESET#0, and supports maximal N2 CORESETs for another TRP if there is no CORESET#0.NOTE 5: For the multi-DCI based multi-TRP PUSCH operation, the maximum number of unicast PUSCHs that UE can support per slot is based on *pusch-ProcessingType1-DifferentTB-PerSlot*, and it is counted across both *coresetPoolIndex* of TRPs. | FSPC | No | N/A | N/A |
| ***multiDCI-MultiTRP-CORESET-Monitoring-r18***Indicates whether the UE supports determining two QCL-TypeD for time-domain overlapping CORESETs in the same CC or for intra-band CA associated with coresetPoolIndex value 0 and 1.The UE supporting this feature shall also indicate support of *multiDCI-MultiTRP-r16*. | FSPC | No | N/A | FR2 only |
| ***rxTimingDiff-r18***Indicates whether the UE supports the Rx timing difference between the two DL reference timings is larger than CP length. | FSPC | No | N/A | N/A |
| ***sps-MulticastSCell-r17***Indicates whether the UE supports one SPS group-common PDSCH configuration for multicast for SCell, comprised of the following functional components:- Supports one SPS group-common PDSCH configuration for multicast for SCell;- Supports {2, 4, 8} times semi-static slot-level repetition for SPS group-common PDSCH for SCell;- Supports group-common PDCCH/PDSCH with CRC scrambled by G-CS-RNTI(s) for multicast;- Supports DCI format 4\_1 with CRC scrambled with G-CS-RNTI for multicast;- Supports ACK/NACK-based HARQ-ACK feedback for SPS release associated with G-CS-RNTI.A UE supporting this feature shall also indicate support of *sps-Multicast-r17* and *dynamicMulticastSCell-r17*. | FSPC | No | N/A | N/A |
| ***sps-MulticastSCellMultiConfig-r17***Indicates whether the UE supports up to 8 SPS group-common PDSCH configurations per CFR for multicast for SCell. The value indicates the maximum number of activated SPS group-common PDSCH configurations per CFR for multicast for SCell.The total number of SPS configurations for both multicast and unicast is no larger than 8 in a BWP of a serving cell. The total number of SPS configurations for both multicast and unicast in a cell group is no larger than 32.A UE supporting this feature shall also indicate support of *sps-MulticastSCell-r17*. | FSPC | No | N/A | N/A |
| ***supportedBandwidthDL, supportedBandwidthDL-v1710***Indicates maximum DL channel bandwidth supported for a given SCS that UE supports within a single CC (and in case of DAPS handover for the source or target cell), which is defined in Table 5.3.5-1 in TS 38.101-1 [2] for FR1 and Table 5.3.5-1 in TS 38.101-2 [3] for FR2.For FR1, all the bandwidths listed in TS 38.101-1 [2], Table 5.3.5-1 for each band shall be mandatory with a single CC unless indicated optional. For FR2, the set of mandatory CBW is 50, 100, 200 MHz. When this field is included in a band combination with a single band entry and a single CC entry (i.e. non-CA band combination), the UE shall indicate the maximum channel bandwidth for the band according to TS 38.101-1 [2] and TS 38.101-2 [3].For FR2, *supportedBandwidthDL-v1710* is included if the maximum DL channel bandwidth supported by the UE within a single CC is greater than 400MHz. When the *supportedBandwidthDL* and the *supportedBandwidthDL-v1710* are reported together for a CC, the network which is able to decode the *supportedBandwidthDL-v1710* ignores the *supportedBandwidthDL*.The UE may report a *supportedBandwidthDL* wider than the *channelBWs-DL*; this *supportedBandwidthDL* may not be included in the Table 5.3.5-1 of TS 38.101-1 [2]/TS 38.101-2[3] for the case that the UE is unable to report the actual supported bandwidth according to the Table 5.3.5-1 of TS 38.101-1 [2]/TS 38.101-2 [3]. For each band, (e)RedCap UEs shall indicate its maximum channel bandwidth, which is the maximum of those channel bandwidths that are less than or equal to 20 MHz for FR1 and less than or equal to 100 Mhz for FR2, taking restrictions in TS 38.101-1 [2] and TS 38.101-2 [3] into consideration.NOTE: To determine whether the UE supports a channel bandwidth of 90 MHz, the network may ignore this capability and validate instead the *channelBW-90mhz*, the *supportedBandwidthCombinationSet* and the *supportedBandwidthCombinationSetIntraENDC*. To determine whether the UE supports a channel bandwidth of 400 MHz, the network validates this capability, the *supportedBandwidthCombinationSet*, and the *supportedBandwidthCombinationSetIntraENDC*. For serving cell(s) with other channel bandwidths the network validates the *channelBWs-DL*, the *supportedBandwidthCombinationSet*, the *supportedBandwidthCombinationSetIntraENDC*, the *asymmetricBandwidthCombinationSet* (for a band supporting asymmetric channel bandwidth as defined in clause 5.3.6 of TS 38.101-1 [2]), *supportedBandwidthDL/supportedBandwidthDL-v1710* and *supportedMinBandwidthDL*. | FSPC | CY | N/A | N/A |
| ***supportedMinBandwidthDL-r17***Indicates minimum DL channel bandwidth supported for a given SCS that UE supports within a single CC (and in case of intra-frequency DAPS handover for the source and target cells), which is defined in Table 5.3.5-1 in TS 38.101-1 [2] for FR1 and Table 5.3.5-1 in TS 38.101-2 [3] for FR2. This parameter is only applicable to the Bandwidth Combination Set 5. This field does not restrict the bandwidths configured for a single CC (i.e. non-CA case). | FSPC | CY | N/A | N/A |
| ***supportedModulationOrderDL***Indicates the maximum supported modulation order to be applied for downlink in the carrier in the max data rate calculation as defined in 4.1.2. If included, the network may use a modulation order on this serving cell which is higher than the value indicated in this field as long as UE supports the modulation of higher value for downlink. If not included:- for FR1, the network uses the modulation order signalled per band i.e. *pdsch-1024QAM-FR1-r17* or *pdsch-1024QAM-2MIMO-FR1-r17* when *pdsch-1024QAM-FR1-r17* or *pdsch-1024QAM-2MIMO-FR1-r17* is signalled for the band, otherwise the network uses the modulation order signalled in *pdsch-256QAM-FR1*. The network uses the modulation order 64QAM if *pdsch-256QAM-FR1* is not signalled for the band for RedCap UE.- for FR2, the network uses the modulation order signalled per band i.e. *pdsch-256QAM-FR2* if signalled. If not signalled in a given band, the network shall use the modulation order 64QAM.In all the cases, it shall be ensured that the data rate does not exceed the max data rate (*DataRate*) and max data rate per CC (*DataRateCC*) according to TS 38.214 [12]. | FSPC | No | N/A | N/A |
| ***supportedSubCarrierSpacingDL***Defines the supported sub-carrier spacing for DL by the UE, as defined in clause 4.2-1 of TS 38.211 [6], indicating the UE supports simultaneous reception with same or different numerologies in CA. Support of simultaneous reception with same numerology for intra-band NR CA including both contiguous and non-contiguous is mandatory with capability in both FR1 and FR2. Support of simultaneous reception with two different numerologies between FR1 band(s) and FR2 band(s) in DL is mandatory with capability if UE supports inter-band NR CA including both FR1 band(s) and FR2 band(s). Optional for other cases. Support of simultaneous reception of with different numerologies in CA for other cases is optional. | FSPC | CY | N/A | N/A |
| ***supportFDM-SchemeB-r16***Indicates whether UE supports single DCI based FDMSchemeB. | FSPC | No | N/A | N/A |

---------------------------------------------------------- [End of the 1st change] ---------------------------------------------------------

--------------------------------------------------------- [Start of the 2nd change] ---------------------------------------------------------

4.2.7.2 *BandNR parameters*

(Parameters omitted)

| ***support-3MHz-ChannelBW-r18***Indicates whether the UE supports the following functional components:*-* Reception of 12 PRB PBCH based on RB-level puncturing;*-* Short RACH preamble formats with 15kHz SCS, and long PRACH formats with 1.25kHz SCS;*-* Reception of 15 PRB CORESET0.This feature is supported for 15kHz SCS only. It is applicable only when an associated SS/PBCH block is located according to Table 5.4.3.3-2 in TS 38.101-1 [2].NOTE: The UE supporting this capability supports configuration of 15 PRB BWP operation. | Band | No | FDD only | FR1 only |
| --- | --- | --- | --- | --- |
| ***support-12PRB-CORESET0-r18***Indicates whether the UE supports reception of 12 PRB CORESET0.A UE supporting this feature shall also indicate support of *support-3MHz-ChannelBW-r18*.This feature is supported for 15kHz SCS only.NOTE: The UE supporting this capability supports configuration of 12 PRB BWP operation. | Band | No | FDD only | FR1 only |
| ***support64CandidateBeamRS-BFR-r16***Indicates UE support of configuring maximum 64 candidate beam RSs per BWP per CC. UE indicating support of this feature shall also indicate support of *maxNumberCSI-RS-BFD, maxNumberSSB-BFD* and *maxNumberCSI-RS-SSB-CBD.* | Band | No | N/A | N/A |
| ***supportCodeWordSoftCombining-r16***Indicates whether UE supports codeword soft combining for FDMSchemeB. UE indicates support of this feature depends on whether the *supportFDM-SchemeB-r16* is also supported. | Band | No | N/A | N/A |
| ***supportFDM-SchemeA-r16***Indicates whether UE supports single DCI based FDMSchemeA. | Band | No | N/A | N/A |
| ***supportInter-slotTDM-r16***Indicates whether UE supports single-DCI based inter-slot TDM. This capability signalling includes the following:- *supportRepNumPDSCH-TDRA-r16* indicates support of *repetitionNumber-r16* in *PDSCH-TimeDomainResourceAllocation-r16* and the maximum value of *repetitionNumber-r16*- *maxTBS-Size-r16* indicates maximum TBS size.- *maxNumberTCI-states-r16* indicates the maximum number of TCI states. | Band | No | N/A | N/A |
| ***supportNewDMRS-Port-r16***Indicates whether UE supports new DMRS port entry {0,2,3}. UE supports this feature should indicate support *singleDCI-SDM-scheme-r16* for the band. | Band | No | N/A | N/A |
| ***supportOf2RxXR-r18***Indicates that the UE is 2Rx XR UE as specified in TS 38.101-1 [2]. A UE reporting this parameter shall not indicate support of *supportOfRedCap-r17* or *supportOfeRedCap-r18*. | Band | No | N/A | N/A |
| ***supportRepNumPDSCH-TDRA-DCI-1-2-r17***Indicates support of *repetitionNumber-v1730* in *PDSCH-TimeDomainResourceAllocation* for DCI format 1\_2 and the maximum value of *repetitionNumber-v1730*. The UE indicating support of this field shall also indicate support of *dci-Format1-2And0-2-r16*. | Band | No | N/A | N/A |
| ***supportTDM-SchemeA-r16***Indicates whether UE supports single DCI based TDMSchemeA. The capability signalling includes the maximum TBS size. | Band | No | N/A | N/A |
| ***supportTwoPortDL-PTRS-r16***Indicates whether UE supports 2-port DL PT-RS. UE supports this feature should indicate support *singleDCI-SDM-scheme-r16* for the band. | Band | No | N/A | N/A |

(Parameters omitted)

----------------------------------------------------- [End of the 2nd change] -------------------------------------------------------------