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

**Session Chair Meeting Notes  
for  
TSG RAN WG4  
meeting: 106**

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## 1 Opening of the meeting

The Chair Xizeng Dai (Huawei) opened the F2F meeting for RAN4#106 on 27/02/2023 at xxxx.

Intellectual Property Rights Declaration 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 Chair and Vice-Chair 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 in three parallel sessions: Main session, RRM session, and BS RF Test Demod session. The Main session was chaired by RAN4 Chair Xizeng Dai (Huawei), RRM session was chaired by RAN4 Vice Chair Andrey Chervyakov (Intel) and BS RF Test Demod session was chaired by RAN4 Vice Chair Haijie Qiu (Samsung). The sessions were further broken down into separate meeting rooms. Webinar sessions were made available for online particpants.

**F2F network usage conditions**

The PCG has laid down the following network usage conditions as provided below:

**Users shall not use the network to engage in illegal activities. This includes activities such as copyright violation, hacking, espionage or any other activity that may be prohibited by local laws**.

**Users shall not engage in non-work related activities that consume excessive bandwidth** or cause significant degradation of the performance of the network.

Since the **network is a shared resource**, users should exercise some basic etiquette when using the 3GPP network at a meeting. It is understood that high bandwidth applications such as downloading large files or video streaming might be required for business purposes, but delegates should be strongly discouraged in performing these activities for personal use. Downloading a movie or doing something in an interactive environment for personal use essentially wastes bandwidth that others need to make the meeting effective. The meeting Chair should remind end users that the network is a shared resource; the more one user grabs, the less there is for another. Email and its attachments already take up significant bandwidth (certain email programs are not very bandwidth efficient). In case of need the chair can ask the delegates to restrict IT usage to things that are essential for the meeting itself.

**1. DON’T place your WiFi device in ad-hoc mode**

**2. DON’T set up a personal hotspot in the meeting room**

**3. DO try 802.11a if your WiFi device supports it**

**4. DON’T manually allocate an IP address**

**5. DON’T be a bandwidth hog by streaming video, playing online games, or downloading huge files**

**6. DON’T use packet probing software which clogs the local network (e.g., packet sniffers or port scanners)**

**Check-in for Registered Delegates**

The attention of the delegates to this meeting was drawn to the fact that it is not permitted to check in other delegates on their behalf. In the even of technical difficulties preventing check in, delegates are encouraged to contact in person MCC.

**Face-to-Face meeting with two-way remote participation**

When it is a face-to-face (ordinary) meeting with two-way remote participation.

- In a meeting designated as face to face (ordinary), those participating remotely are not to be counted toward quorum or attendance, and are not allowed to vote

**Recording of RAN4 Meeting**

Recording of the GoToWebinar sessions of the present meeting is strictly prohibited. No individual or entity – including the speakers and/or the authors – may electronically record any portion of the meeting without prior written consent of the Chair and all the RAN4 meeting participants.

**Number of contributions at the submitted by deadline for meeting**

The number of contributions in 3GU at the start of this meeting was **2758**.

## 2 Approval of the agenda

This agenda item is categorized for [106][100] Main Session topics.

This includes the agenda, the meeting arrangements and guidelines and also the report fro the previous meeting.

|  |  |  |  |
| --- | --- | --- | --- |
| TDoc | Title | Source | Decision |
| [R4-2300001](file:///D:\RAN4%23106\Docs\R4-2300001.zip) | RAN4#105 Meeting Report | ETSI MCC |  |
| [R4-2300002](file:///D:\RAN4%23106\Docs\R4-2300002.zip) | Agenda for RAN4 #106 | RAN4 Chair (Huawei) |  |
| [R4-2300003](file:///D:\RAN4%23106\Docs\R4-2300003.zip) | RAN4#106 Meeting Arrangements and Guidelines | RAN4 Chair (Huawei) |  |

## 3 Incoming LS

This agenda item is categorized for [106][100] Main Session topics.

The list of incoming LSs at the start of the meeting.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| TDoc | Title | Release | WI | Source | To/CC | Action | Decision |
| [R4-2300004](file:///D:\RAN4%23106\Docs\R4-2300004.zip) | LS to RAN4 and RAN2 on L3-RSSI measurement for NR up to 71GHz | Rel-17 | NR\_ext\_to\_71GHz-Core | RAN1 | To: RAN2, RAN4 | RAN4 sent an LS response with clarification of the following:  “When a UE has no serving cell in FR2-2, it is not clear if the explicit TCI state should be configured to the UE for FR2-2 RSSI measurement. If explicit TCI state should be configured, how does the UE use such explicit TCI?”  **Answer1:**  - When a UE has no serving cell in FR2-2, the UE does not expect that a TCI-state is provided in RMTC-Config for inter-frequency RSSI measurement on FR2-2.  - For a UE that has no serving cell in FR2-2 and configured with inter-frequency RSSI measurement in FR2-2, it is up to UE implementation how to determine the spatial domain filter for the inter-frequency RSSI measurement in FR2-2.  **Answer2:** For intra-frequency and inter-frequency RSSI measurements for FR2-2, when a UE has a serving cell in FR2-2, the UE does not expect to be configured with an explicit TCI-state in RMTC-Config with a reference serving cell in FR1 or FR2-1.  **ACTION:** RAN1 respectfully asks RAN4 and RAN2 to consider the above agreement and capture it in RAN4 and RAN2 spec. |  |
| [R4-2300005](file:///D:\RAN4%23106\Docs\R4-2300005.zip) | LS on updated Rel-17 RAN1 UE features lists for NR after RAN1#111 | Rel-17 | NR\_FeMIMO, NR\_ext\_to\_71GHz, NR\_IIOT\_URLLC\_enh, NR\_NTN\_solutions, NR\_pos\_enh, NR\_redcap, NR\_UE\_pow\_sav\_enh, NR\_cov\_enh, NR\_IAB\_enh, NR\_SL\_enh, NR\_MBS, NR\_DSS, LTE\_NR\_DC\_enh2, NR\_DL1024QAM\_FR1, NR\_RF\_FR1\_enh, NR\_SmallData\_INACTIVE, TEI17, NR\_newRAT | RAN1 | To: RAN2  Cc: RAN4 | RAN1 has continued to discuss the Rel-17 RAN1 UE features list for NR and would like to share the latest version with RAN2 in the attachment R1-2212895.  **ACTION:** RAN1 kindly asks RAN2 to take into account the RAN1 NR UE features in the attachment for designing corresponding capability signalling in Rel.17. |  |
| [R4-2300006](file:///D:\RAN4%23106\Docs\R4-2300006.zip) | Reply LS to RAN4 on NCR-MT transmission and Beam correspondence | Rel-18 | NR\_netcon\_repeater-Core | RAN1 | To: RAN4 | From RAN1’s perspective, NCR-MT supports UL transmissions. At least, PRACH, PUCCH, PUSCH, SRS and HARQ-ACK feedback transmissions for PDSCH are supported according to the agreements.  In addition, legacy uplink channels and signals are expected to be supported without NCR-specific enhancement.  From RAN1 perspective, the signaling design of beam indication mechanism can be applied to NCR FR1.  **ACTION:** RAN1 respectfully requests RAN4 to take the above responses into account in the future work. |  |
| [R4-2300007](file:///D:\RAN4%23106\Docs\R4-2300007.zip) | LS to RAN4 for further information on RAN1 assumptions for LLS performance evaluation of MPR/PAR reduction solutions | Rel-18 | NR\_cov\_enh2 | RAN1 | To: RAN4 | RAN1 discussed assumptions for studying the LLS performance of MPR/PAR reduction solutions for Rel-18 power domain enhancements, in accordance with the work split principles provided in R1-2210674.  The following non-transparent solutions for MPR/PAR reduction are currently under discussion in RAN1.  - Frequency domain spectrum shaping w/ spectrum extension (FDSS-SE)  - Tone reservation w/ spectrum extension  Both DMRS and data symbols undergo spectrum shaping.  Results concerning the application of solutions for DFT-s-OFDM to CP-OFDM can be presented by companies in their contributions.  It is understood that minor TBS variations across different waveform configurations can occur and are acceptable.  Baseline parameterization is used for link-level performance evaluation of MPR-PAR reduction solutions in RAN1 for Rel-18  For any parameter that is not listed in the table, companies are encouraged to consider corresponding value from TR 38.830 (or TR 38.868, if the parameter is absent in TR 38.830).  **ACTION:** RAN1 kindly requests RAN4 to take the above information into consideration for their future work. |  |
| [R4-2300008](file:///D:\RAN4%23106\Docs\R4-2300008.zip) | LS on NR support for dedicated spectrum less than 5MHz for FR1 | Rel-18 | NR\_FR1\_lessthan\_5MHz\_BW | RAN1 | To: RAN4 | RAN WG1 have started working on the WI NR support for dedicated spectrum less than 5MHz for FR1 at RAN1#111.  RAN1 have the following questions to RAN4:  **Question 1:** RAN1’s understanding is that in addition to reusing 5 MHz channel bandwidth, RAN1 suppose only 3 MHz channel bandwidth is supported, and would like to get RAN4 response on the maximum transmission bandwidth (the number of PRBs) for this channel BW.  **Question 2:** RAN1 have discussed aspects related to synch raster in the spectrum of interest. RAN1 would like to ask RAN4 if finer synch raster for the 3MHz and/or 5MHz channel bandwidth is feasible, as well as if RAN4 needs any input from RAN1.  **ACTION:** RAN1 kindly requests RAN4 to answer Question 1 and Question 2. |  |
| [R4-2300009](file:///D:\RAN4%23106\Docs\R4-2300009.zip) | LS on RAN1 agreements for L1/L2-based inter-cell mobility | Rel-18 | NR\_mob\_enh2-Core | RAN1 | To: RAN2, RAN3, RAN4 | RAN1 would like to inform RAN2, RAN3 and RAN4 of the agreements achieved in RAN1#111.  **ACTION:** RAN1 respectfully asks RAN2, RAN3 and RAN4 to take the RAN1 agreements into consideration for their work. |  |
| [R4-2300010](file:///D:\RAN4%23106\Docs\R4-2300010.zip) | LS on interference modelling for duplex evolution | Rel-18 | FS\_NR\_duplex\_evo | RAN1 | To: RAN4 | In RAN1#111, RAN1 made the following agreements.  **Question 1:** RAN4 to confirm RAN1 understanding and check whether ICS\_BS can be modelled depending on the value of the blocker interference  **Question 2:** RAN4 confirming the model and asking the value ranges for spatial isolation, and values of 10\*log\_10 (ACLR\_BS ) and 10\*log\_10 (ACS\_BS ).  **Question 3:** RAN4 to ask them whether it can be modelled as an equivalent frequency flat model (e.g., IBE\_(UE,ave)) based on RAN4 IBE requirement, and if possible, what is the value of IBE\_(UE,ave)  **ACTION:** RAN1 respectfully asks RAN4 to provide feedback on the questions above. |  |
| [R4-2300011](file:///D:\RAN4%23106\Docs\R4-2300011.zip) | LS to RAN4 on low-power wake-up receiver architectures | Rel-18 | FS\_NR\_LPWUS | RAN1 | To: RAN4 | RAN1 kindly asks RAN4 to take RAN1 agreements into account, study at least the LP WUR architectures that RAN1 identifies and provide feedback, potentially considering the aspects including but not limited to:  - The reasonable assumption on adjacent channel selectivity (ACS) for the study and the impact on the LP WUR architectures and signal design  - The impact of adjacent subcarrier interference suppression/rejection on the LP WUR architectures if LP WUS is multiplexed with other signals/channels in frequency  - The feasible noise figure(s) for each type of LP WUR architectures  - Impact, if any, LP-WUS transmission on existing gNB emissions/compliance requirements  - The potential RF impairments to be considered include e.g. timing error, frequency error, image impact, LO leakage (DC offset) and flicker (1/f) noise  - Whether certain LP WUR architectures can support multi-band capability  - Note: RAN1 may or may not identify further architecture(s) for the study.  **ACTION:** RAN1 respectfully asks RAN4 to take the above into consideration, study at least the LP WUR architectures that RAN1 identifies and provide feedback. |  |
| [R4-2300012](file:///D:\RAN4%23106\Docs\R4-2300012.zip) | Reply LS on RACH-less handover in NTN | Rel-18 | NR\_NTN\_enh-Core | RAN1 | To: RAN2, RAN4 | For scenario (1), from RAN1 perspective the RACH-less handover is possible, assuming the following notes can be satisfied, when UE UL transmission synchronization can be maintained by applying pre-compensation using the assistance information, e.g., epoch time, ephemeris, common TA, of the target cell.  For scenario (2)-(4), from RAN1 perspective the RACH-less handover may be possible, assuming the following notes can be satisfied, when UE UL transmission synchronization can be maintained by applying pre-compensation using the assistance information, e.g., epoch time, ephemeris, common TA, of the target cell.  **ACTION:** RAN1 respectfully asks RAN2 to take the above response into account in the future work. RAN1 respectfully asks RAN4 whether RAN1’s assumption in Note 1 is correct. |  |
| [R4-2300013](file:///D:\RAN4%23106\Docs\R4-2300013.zip) | Reply LS on L1 measurement and configurations for LTM | Rel-18 | NR\_mob\_enh2-Core | RAN2 | To: RAN1, RAN3  Cc: RAN4 | **Question 3** (to RAN2 and RAN3): RAN1 respectfully asks RAN2 and RAN3 if the serving DU knows the measurement RS configuration and TCI state configuration of cells served by another DU.  RAN2 assumes that LTM (intra DU and inter DU) is network-controlled mobility where the control is from the source, i.e., measurements (L1 measurements) are configured in the UE from the source Cell, and the decision to switch cell is by the source cell, and enhancements considered for LTM before cell switch, e.g. pre-synchronization, TA handling, target beam management (to the extent it is supported) may be made by the source cell.  **ACTION:** RAN2 kindly asks RAN1 and RAN3 to take the above feedback into consideration. |  |
| [R4-2300014](file:///D:\RAN4%23106\Docs\R4-2300014.zip) | Reply LS on information for neighbor/target cell in IoT NTN | Rel-18 | LTE\_NBIOT\_eMTC\_NTN\_req-Core | RAN2 | To: RAN4 | In case of handover to an NTN cell, the SIB31 of target NTN cell (which contains its satellite assistance information) is provided in RRCConnectionReconfiguration.  For neighbor cell measurements, RAN2 has agreed not to introduce the satellite assistance information of neighbour cells in system information in Rel-17 IoT NTN, but this will be supported in Rel-18.  **ACTION:** RAN2 respectfully asks RAN4 to take the above information into account in their work. |  |
| [R4-2300015](file:///D:\RAN4%23106\Docs\R4-2300015.zip) | Reply LS on reference SSB for s-MeasureConfig checking | Rel-17 | NR\_redcap-Core | RAN2 | To: RAN4 | RAN2 confirms the RAN4 understanding that the reference SSB used for threshold for s-MeasureConfig is the SSB defined in BWP-specific servingCellMO under BWP-DownlinkDedicated of active DL BWP, and if the field is absent, the reference SSB is the SSB defined in servingCellMO under ServingCellConfig.  RAN2 has the following field descriptions in TS38.331 for the usage of NCD-SSB for serving cell measurements and the corresponding note in TS38.300 which reflects the RAN4 understanding. RAN2 thinks that no changes are needed in specification.  **ACTION:** RAN2 respectfully asks RAN4 to take above information into consideration. |  |
| [R4-2300016](file:///D:\RAN4%23106\Docs\R4-2300016.zip) | Reply LS on configuring margin for 1 Rx RedCap UEs | Rel-17 | NR\_redcap-Core | RAN2 | To: RAN4 | RAN2 would also like to inform RAN4 that the following cell-specific RSRP thresholds should be included in the list to apply the offset.  - rsrp-ThresholdSSB-SUL  - rsrp-ThresholdMsg3  **ACTION:** RAN2 respectfully asks RAN4 to take above information into account. |  |
| [R4-2300017](file:///D:\RAN4%23106\Docs\R4-2300017.zip) | Reply LS on new contiguous BW classes for legacy networks | Rel-17 | NR\_RF\_FR2\_req\_enh2-Core | RAN2 | To: RAN4 | RAN2 discussed the feasibility and benefit of UE capability signalling solution where the UE indicates the “maximum aggregated BW limitation” as suggested by RAN4. In conclusion, RAN2 decided not to introduce the new signalling, due to the lack of consensus.  During the discussion, RAN2 identified a potential issue related to RAN4’s “Fallback Group” requirement for bandwidth class. This is explained using the following example of CA band combinations associated bandwidth classes of FBG3.  **ACTION:** RAN2 would like to ask RAN4 to look into the issue described in this LS and conclude if there is any problem. |  |
| [R4-2300018](file:///D:\RAN4%23106\Docs\R4-2300018.zip) | LS on support of per FR PRS gap | Rel-17 | NR\_MG\_enh-Core | RAN2 | To: RAN4 | There is no consensus whether the PRS measurement can be associated with per FR measurement gap when concurrent gaps are configured, as companies have different understanding whether RAN4 supports so.  Therefore RAN2 kindly requests RAN4 to provide feedback whether RAN4 supports PRS to be associated with per FR measurement gap in case of concurrent gaps.  **ACTION:** RAN2 kindly requests RAN4 to provide feedback whether RAN4 supports PRS to be associated with per FR measurement gap in case of concurrent gaps. |  |
| [R4-2300019](file:///D:\RAN4%23106\Docs\R4-2300019.zip) | Reply LS on L1 intra- and inter- frequency measurement and configurations for L1/L2-based inter-cell mobility | Rel-18 | NR\_mob\_enh2-Core | RAN3 | To: RAN1, RAN2  Cc: RAN4 | Regarding Q3 about L1 measurement and TCI state configurations in the LS, RAN3 agreed that based on the current specification, the serving DU cannot know the measurement RS configuration and TCI state configuration of cells served by another DU.  Any possible consideration for Rel-18 on the coordination over F1 among serving DU, target DU, and CU would need clearly identified requirements from other groups.  **ACTION:** RAN3 kindly asks RAN1 and RAN2 to take the above feedback into account. |  |
| [R4-2300020](file:///D:\RAN4%23106\Docs\R4-2300020.zip) | Response to RAN4 LS on feasibility of UE initiated SDT transmission in RRC\_INACTIVE for RRM requirements | Rel-17 | NR\_SmallData\_INACTIVE | RAN5 | To: RAN4 | Regarding the questions from RAN4, below are the answers to those questions.  **Answer1:** It is possible for TE to periodically send data packets to UE in RRC\_INACTIVE corresponding to multiple SDT sessions before sending a RRC release to end SDT session  **Answer2:** T\_delay\_modeB timer granularity is in units of 1sec. T\_delay\_modeB timer is only applicable for the very first SDT transmission after receiving RRC release with suspend config. For later SDT transmissions while UE is in RRC\_inactive does not depend on this T\_delay\_modeB timer  **Answer3:** T\_delay\_modeB only applicable for first SDT transmission. For subsequent SDT transmission, TE can send the IP PDU on SDT DRB ID when needed for the UE to respond with its SDT transmission (or no transmission due to thresholds not met). Once the various checkpoints for the RRM test (T1, T2, T3 etc) are known to RAN5, the test case procedure can be defined accordingly.  **ACTION:** RAN5 respectfully asks RAN4 to take the above-mentioned answers into considerations while coming up with the RRM requirements for this SDT WI. |  |
| [R4-2300021](file:///D:\RAN4%23106\Docs\R4-2300021.zip) | Clarity on 15dBm output power requirement for NS\_41 | Rel-15 |  | RAN5 | To: RAN4 | **Option 1:** The test system sends TPC commands with a target power such that Tx power is ensured to be below 15 dBm (within range [15 dBm … 15 dBm - power window1])  **Option 2:** The UE apply as much A-MPR as needed to ensure Tx power is max 15 dBm  **ACTION:**  RAN5 respectfully asks RAN4 to provide guidance on how to interpret the NS\_41 requirements so that correct testing can be performed.  Q1: Is option 1 or 2 above or any different interpretation the right one?  Q2: If option 1 is the correct one: Provide feedback on how to reach 15 dBm Tx power.  Q3: Provide feedback on whether RAN5 should include a test requirement that the UE Tx power shall not be more than 15 dBm when NS\_41 is signalled. |  |
| [R4-2300022](file:///D:\RAN4%23106\Docs\R4-2300022.zip) | LS on applicability of requirements for RedCap UE | Rel-17 | NR\_redcap | RAN5 | To: RAN4 | During RAN5#97 meeting, RAN5 has confirmed the RF transmitter requirements could be verified by RedCap UE on SUL band combinations. However, RAN5 could not reach consensus on whether receiver requirements could be verified, additional clarification is needed from RAN4 regarding this aspect.  Question 1: Are the requirements in clause 7.3C in 38.101-1 [3] valid for a RedCap UE, indicating SUL band combinations, to be verified with REFSENS specified in clause 7.3I?  Question 2: How could the requirements in 7.3I be applied to 7.3C in respect to Reference sensitivity side conditions (UL/DL configuration), sensitivity allowance, SUL band combination with HD-FDD band.  **ACTION:**  RAN5 respectfully requests RAN4 group to provide feedback on the question(s) raised above. |  |
| [R4-2300023](file:///D:\RAN4%23106\Docs\R4-2300023.zip) | Reply LS on FS\_VMR solutions review | Rel-18 | FS\_VMR | SA2 | To: RAN2, RAN3  Cc: RAN, RAN4 |  |  |
| [R4-2300024](file:///D:\RAN4%23106\Docs\R4-2300024.zip) | OTA LTE UE TRP and TRS Requirements |  |  | GSMA | To: RAN4, RAN5,RAN, CTIA, GCF SG, GCF CAG, GCF PAG | GSMA would like to inform you that in the latest version of TS.24 the 5G OTA antenna requirements have been defined.  Those requirements cover NSA (Non-Stand Alone) and SA (Stand Alone) modes. Furthermore, device power class 3 and power class 2 have been considered.  However, the current requirement is only covering 5G FR1 frequency range (410 MHz -7125 MHz). |  |
| [R4-2300027](file:///D:\RAN4%23106\Docs\R4-2300027.zip) | Formation of a new ETSI ISG for Terahertz Communications (THZ) |  |  | ETSI ISG THZ | To: RAN, RAN1, RAN4, Next G Channel Model Alliance, NGMN, One6G, TC ERM, ETSI ISG mWT, ETSI ISG RIS, ITU-R SG 3, ITU-R SG 5, IMT-2030 6G, COST INTERACT, 802 IEEE, CCSA TC5 |  |  |
| [R4-2300042](file:///D:\RAN4%23106\Docs\R4-2300042.zip) | LS to 3GPP RAN WG4 on NR TRP and TRS requirements |  |  | ETSI TC MSG/TFES | To: RAN4  Cc: ETSI TC ERM, 3GPP RAN, 3GPP RAN WG5, GSMA | ETSI TC MSG/ERM TFES is responsible to set TRP and TRS limits for LTE and NR in European markets as captured by EN 301 908-13 and EN 301 908-25, respectively.  Therefore, ETSI TC MSG/ERM TFES would like to know the schedule of 3GPP RAN WG4 for BHH NR TRP and TRS requirements, including VoNR (Voice over NR), for devices wider than 72 mm and narrower than 92 mm and would suggest to prioritize them if those requirements cannot be completed by the end of 2023.  ACTION:  ETSI TC MSG/TFES respectfully ask 3GPP TSG RAN to consider the above information, and to provide status of related standardization work and prioritize them if necessary. |  |
| [R4-2300092](file:///D:\RAN4%23106\Docs\R4-2300092.zip) | LS to 3GPP on ECC request for standardisation support related to ECC Decision (22)07 on “harmonised framework on aerial UE usage in MFCN harmonised bands” |  |  | ETSI TC MSG/TFES | To: RAN, SA, RAN2, RAN4, SA2  Cc: CT1, RAN5, GSMA | In relation to the above requirement in bullet a), TFES plans to implement the out-of-band emission limits applicable to aerial UEs, which differs from the OOB limits applicable to terrestrial UEs in the frequency bands 1710-1785 MHz, 2500-2570 MHz, 2570-2620 MHz, as defined by ECC Decision 22(07).  TFES would like to ask 3GPP TSG RAN and RAN WG4 to consider specifying such aerial UE emission limits in their specifications, and to provide related feedback to TFES.  ACTION: TFES respectfully asks RAN4 to consider the above information on the additional emission limits for aerial UE in their specifications, and to provide related feedback to TFES. |  |
| [R4-2303745](file:///D:\RAN4%23106\Docs\R4-2303745.zip) | LS on CTIA Certification OTA Performance Test Plan Version 5.0 Publication |  |  | CTIA Certification OTA Working Group | To: RAN4, RAN5, GCF SG, GCF PAG, GSMA TSGAP, CCSA |  |  |

The list of additional incoming LSs during the meeting.

## 3.1 Topic Summary (pre-meeting)

This agenda item is only for at-meeting-generated content related to topic summary.

### 3.1.1 Main session topic summaries

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| TDoc | Title | Source | Type | For | Abstract | Agenda item | TDoc Status | Decision |
| [R4-2302794](file:///D:\RAN4%23106\Docs\R4-2302794.zip) | Topic summary for [106][101] Upto\_R16\_UERF\_maintenance | Moderator (OPPO) | other | Information | [106][101] Upto\_R16\_UERF\_maintenance | 4.7 | reserved |  |
| [R4-2302795](file:///D:\RAN4%23106\Docs\R4-2302795.zip) | Topic summary for [106][102] R17\_spectrum\_maintenance | Moderator (Ericsson) | other | Information | [106][102] R17\_spectrum\_maintenance | 5.4 | reserved |  |
| [R4-2302796](file:///D:\RAN4%23106\Docs\R4-2302796.zip) | Topic summary for [106][103] R17\_nonspectrumUERF\_maintenance | Moderator (Media Tek) | other | Information | [106][103] R17\_nonspectrumUERF\_maintenance | 5.4 | reserved |  |
| [R4-2302797](file:///D:\RAN4%23106\Docs\R4-2302797.zip) | Topic summary for [106][104] R18\_spectrum\_maintenance | Moderator (Meta) | other | Information | [106][104] R18\_spectrum\_maintenance | 7 | reserved |  |
| [R4-2302798](file:///D:\RAN4%23106\Docs\R4-2302798.zip) | Topic summary for [106][105] NR\_Baskets\_Part\_1 | Moderator (Skyworks) | other | Information | [106][105] NR\_Baskets\_Part\_1 | 8.1.2 | reserved |  |
| [R4-2302799](file:///D:\RAN4%23106\Docs\R4-2302799.zip) | Topic summary for [106][106] NR\_Baskets\_Part\_2 | Moderator (Nokia) | other | Information | [106][106] NR\_Baskets\_Part\_2 | 8.2 | reserved |  |
| [R4-2302800](file:///D:\RAN4%23106\Docs\R4-2302800.zip) | Topic summary for [106][107] NR\_Baskets\_Part\_3 | Moderator (Ericsson) | other | Information | [106][107] NR\_Baskets\_Part\_3 | 8.2 | reserved |  |
| [R4-2302801](file:///D:\RAN4%23106\Docs\R4-2302801.zip) | Topic summary for [106][108] NR\_Baskets\_Part\_4 | Moderator (Nokia) | other | Information | [106][108] NR\_Baskets\_Part\_4 | 8.2 | reserved |  |
| [R4-2302802](file:///D:\RAN4%23106\Docs\R4-2302802.zip) | Topic summary for [106][109] LTE\_Baskets | Moderator (Huawei) | other | Information | [106][109] LTE\_Baskets | 10.1.4 | reserved |  |
| [R4-2302803](file:///D:\RAN4%23106\Docs\R4-2302803.zip) | Topic summary for [106][110] LTE\_NR\_HPUE\_FWVM | Moderator (Nokia) | other | Information | [106][110] LTE\_NR\_HPUE\_FWVM | 8.2 | reserved |  |
| [R4-2302804](file:///D:\RAN4%23106\Docs\R4-2302804.zip) | Topic summary for [106][111] HPUE\_Basket\_EN-DC | Moderator (Ericsson) | other | Information | [106][111] HPUE\_Basket\_EN-DC | 8.2 | reserved |  |
| [R4-2302805](file:///D:\RAN4%23106\Docs\R4-2302805.zip) | Topic summary for [106][112] HPUE\_Basket\_Intra-CA\_TDD | Moderator (HiSilicon) | other | Information | [106][112] HPUE\_Basket\_Intra-CA\_TDD | 8.2 | reserved |  |
| [R4-2302806](file:///D:\RAN4%23106\Docs\R4-2302806.zip) | Topic summary for [106][113] HPUE\_Basket\_inter-CA\_SUL | Moderator (China Telecom) | other | Information | [106][113] HPUE\_Basket\_inter-CA\_SUL | 8.2 | reserved |  |
| [R4-2302807](file:///D:\RAN4%23106\Docs\R4-2302807.zip) | Topic summary for [106][114] HPUE\_Basket\_FDD | Moderator (China Unicom) | other | Information | [106][114] HPUE\_Basket\_FDD | 8.2 | reserved |  |
| [R4-2302808](file:///D:\RAN4%23106\Docs\R4-2302808.zip) | Topic summary for [106][115] LTE\_NR\_Other\_WI | Moderator (Huawei) | other | Information | [106][115] LTE\_NR\_Other\_WI | 8.2 | reserved |  |
| [R4-2302809](file:///D:\RAN4%23106\Docs\R4-2302809.zip) | Topic summary for [106][116] NR\_3Tx-4Rx\_WI | Moderator (OPPO) | other | Information | [106][116] NR\_3Tx-4Rx\_WI | 8.29.4 | reserved |  |
| [R4-2302810](file:///D:\RAN4%23106\Docs\R4-2302810.zip) | Topic summary for [106][117] NR\_600MHz\_APT | Moderator (Ericsson) | other | Information | [106][117] NR\_600MHz\_APT | 8.30.4 | reserved |  |
| [R4-2302811](file:///D:\RAN4%23106\Docs\R4-2302811.zip) | Topic summary for [106][118] NR\_unlic\_enh | Moderator (Apple) | other | Information | [106][118] NR\_unlic\_enh | 8.31.6 | reserved |  |
| [R4-2302812](file:///D:\RAN4%23106\Docs\R4-2302812.zip) | Topic summary for [106][119] LTE\_NR\_US\_900MHz | Moderator (Qualcomm) | other | Information | [106][119] LTE\_NR\_US\_900MHz | 8.32.6 | reserved |  |
| [R4-2302813](file:///D:\RAN4%23106\Docs\R4-2302813.zip) | Topic summary for [106][120] R18\_NR\_TDD\_n54 | Moderator (Ligado) | other | Information | [106][120] R18\_NR\_TDD\_n54 | 8.33.5 | reserved |  |
| [R4-2302814](file:///D:\RAN4%23106\Docs\R4-2302814.zip) | Topic summary for [106][121] NR\_NTN\_LSband | Moderator (Apple) | other | Information | [106][121] NR\_NTN\_LSband | 8.34.6 | reserved |  |
| [R4-2302815](file:///D:\RAN4%23106\Docs\R4-2302815.zip) | Topic summary for [106][122] LTE\_terr\_bcast\_bands\_UERF | Moderator (Qualcomm) | other | Information | [106][122] LTE\_terr\_bcast\_bands\_UERF | 10.3.5 | reserved |  |
| [R4-2302816](file:///D:\RAN4%23106\Docs\R4-2302816.zip) | Topic summary for [106][123] FS\_NR\_eff\_BW\_util | Moderator (Ericsson) | other | Information | [106][123] FS\_NR\_eff\_BW\_util | 9.1.4 | reserved |  |
| [R4-2302817](file:///D:\RAN4%23106\Docs\R4-2302817.zip) | Topic summary for [106][124] FS\_NR\_700800900 | Moderator (CATT) | other | Information | [106][124] FS\_NR\_700800900 | 9.2.5 | reserved |  |
| [R4-2302818](file:///D:\RAN4%23106\Docs\R4-2302818.zip) | Topic summary for [106][125] FS\_SimBC | Moderator (ZTE) | other | Information | [106][125] FS\_SimBC | 9.3.5 | reserved |  |
| [R4-2302819](file:///D:\RAN4%23106\Docs\R4-2302819.zip) | Topic summary for [106][126] FR1\_enh2\_part1 | Moderator (Huawei) | other | Information | [106][126] FR1\_enh2\_part1 | 9.6.7 | reserved |  |
| [R4-2302820](file:///D:\RAN4%23106\Docs\R4-2302820.zip) | Topic summary for [106][127] FR1\_enh2\_part2 | Moderator (Vivo) | other | Information | [106][127] FR1\_enh2\_part2 | 9.6.7 | reserved |  |
| [R4-2302821](file:///D:\RAN4%23106\Docs\R4-2302821.zip) | Topic summary for [106][128] FR1\_enh2\_part3 | Moderator (NTT Docomo) | other | Information | [106][128] FR1\_enh2\_part3 | 9.6.7 | reserved |  |
| [R4-2302822](file:///D:\RAN4%23106\Docs\R4-2302822.zip) | Topic summary for [106][129] FR2\_enh\_req\_Ph3\_part1 | Moderator (Nokia) | other | Information | [106][129] FR2\_enh\_req\_Ph3\_part1 | 9.7.4 | reserved |  |
| [R4-2302823](file:///D:\RAN4%23106\Docs\R4-2302823.zip) | Topic summary for [106][130] FR2\_enh\_req\_Ph3\_part2 | Moderator (Xiaomi) | other | Information | [106][130] FR2\_enh\_req\_Ph3\_part2 | 9.7.4 | reserved |  |
| [R4-2302824](file:///D:\RAN4%23106\Docs\R4-2302824.zip) | Topic summary for [106][131] FR2\_multiRx\_UERF\_part1 | Moderator (Qualcomm) | other | Information | [106][131] FR2\_multiRx\_UERF\_part1 | 9.8.5 | reserved |  |
| [R4-2302825](file:///D:\RAN4%23106\Docs\R4-2302825.zip) | Topic summary for [106][132] FR2\_multiRx\_UERF\_part2 | Moderator (Apple) | other | Information | [106][132] FR2\_multiRx\_UERF\_part2 | 9.8.5 | reserved |  |
| [R4-2302826](file:///D:\RAN4%23106\Docs\R4-2302826.zip) | Topic summary for [106][133] NonCol\_intraB | Moderator (KDDI) | other | Information | [106][133] NonCol\_intraB | 9.11.4 | reserved |  |
| [R4-2302827](file:///D:\RAN4%23106\Docs\R4-2302827.zip) | Topic summary for [106][134] NR\_HST\_FR2\_enh\_UERF | Moderator (Samsung) | other | Information | [106][134] NR\_HST\_FR2\_enh\_UERF | 9.12.6 | reserved |  |
| [R4-2302828](file:///D:\RAN4%23106\Docs\R4-2302828.zip) | Topic summary for [106][135] NR\_ATG\_UERF\_part1 | Moderator (CMCC) | other | Information | [106][135] NR\_ATG\_UERF\_part1 | 9.13.6 | reserved |  |
| [R4-2302829](file:///D:\RAN4%23106\Docs\R4-2302829.zip) | Topic summary for [106][136] NR\_ATG\_UERF\_part2 | Moderator (Huawei) | other | Information | [106][136] NR\_ATG\_UERF\_part2 | 9.13.6 | reserved |  |
| [R4-2302830](file:///D:\RAN4%23106\Docs\R4-2302830.zip) | Topic summary for [106][137] NR\_FR1\_lessthan\_5MHz\_BW | Moderator (Nokia) | other | Information | [106][137] NR\_FR1\_lessthan\_5MHz\_BW | 9.14.6 | reserved |  |
| [R4-2302831](file:///D:\RAN4%23106\Docs\R4-2302831.zip) | Topic summary for [106][138] FS\_NR\_LPWUS | Moderator (Vivo) | other | Information | [106][138] FS\_NR\_LPWUS | 9.20.4 | reserved |  |
| [R4-2302832](file:///D:\RAN4%23106\Docs\R4-2302832.zip) | Topic summary for [106][139] FS\_NR\_pos\_UERF | Moderator (Intel) | other | Information | [106][139] FS\_NR\_pos\_UERF | 9.21.4 | reserved |  |
| [R4-2302833](file:///D:\RAN4%23106\Docs\R4-2302833.zip) | Topic summary for [106][140] NR\_MC\_enh\_UERF | Moderator (China Telecom) | other | Information | [106][140] NR\_MC\_enh\_UERF | 9.22.4 | reserved |  |
| [R4-2302834](file:///D:\RAN4%23106\Docs\R4-2302834.zip) | Topic summary for [106][141] NR\_Mob\_enh2\_UERF | Moderator (Media Tek) | other | Information | [106][141] NR\_Mob\_enh2\_UERF | 9.23.7 | reserved |  |
| [R4-2302835](file:///D:\RAN4%23106\Docs\R4-2302835.zip) | Topic summary for [106][142] NR\_NTN\_enh\_UERF | Moderator (ZTE) | other | Information | [106][142] NR\_NTN\_enh\_UERF | 9.25.6 | reserved |  |
| [R4-2302836](file:///D:\RAN4%23106\Docs\R4-2302836.zip) | Topic summary for [106][143] NR\_cov\_enh2\_part1 | Moderator (Huawei) | other | Information | [106][143] NR\_cov\_enh2\_part1 | 9.26.3 | reserved |  |
| [R4-2302837](file:///D:\RAN4%23106\Docs\R4-2302837.zip) | Topic summary for [106][144] NR\_cov\_enh2\_part2 | Moderator (Nokia) | other | Information | [106][144] NR\_cov\_enh2\_part2 | 9.26.3 | reserved |  |
| [R4-2302838](file:///D:\RAN4%23106\Docs\R4-2302838.zip) | Topic summary for [106][145] NR\_MIMO\_evo\_DL\_UL\_UERF | Moderator (Samsung) | other | Information | [106][145] NR\_MIMO\_evo\_DL\_UL\_UERF | 9.28.4 | reserved |  |
| [R4-2302839](file:///D:\RAN4%23106\Docs\R4-2302839.zip) | Topic summary for [106][146] NR\_SL\_enh2\_UERF | Moderator (LGE) | other | Information | [106][146] NR\_SL\_enh2\_UERF | 9.29.4 | reserved |  |
| [R4-2302840](file:///D:\RAN4%23106\Docs\R4-2302840.zip) | Topic summary for [106][147] NR\_redcap\_enh\_UERF | Moderator (Ericsson) | other | Information | [106][147] NR\_redcap\_enh\_UERF | 9.30.5 | reserved |  |
| [R4-2302841](file:///D:\RAN4%23106\Docs\R4-2302841.zip) | Topic summary for [106][148] LTE\_NBeMTC\_NTN\_UERF | Moderator (Media Tek) | other | Information | [106][148] LTE\_NBeMTC\_NTN\_UERF | 10.5.8 | reserved |  |
| [R4-2302842](file:///D:\RAN4%23106\Docs\R4-2302842.zip) | Topic summary for [106][149] LTE\_intra\_CA\_MPR\_35MHz\_gap | Moderator (Huawei) | other | Information | [106][149] LTE\_intra\_CA\_MPR\_35MHz\_gap | 10.7.4 | reserved |  |
| [R4-2302843](file:///D:\RAN4%23106\Docs\R4-2302843.zip) | Topic summary for [106][150] NR\_reply\_LS\_UE\_RF | Moderator (Apple) | other | Information | [106][150] NR\_reply\_LS\_UE\_RF | 11.3 | reserved |  |
| [R4-2302844](file:///D:\RAN4%23106\Docs\R4-2302844.zip) | Topic summary for [106][151] RAN\_task\_UERF | Moderator (ATT) | other | Information | [106][151] RAN\_task\_UERF | 12.5 | reserved |  |

### 3.1.2 RRM session topic summaries

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| TDoc | Title | Source | Type | For | Abstract | Agenda item | TDoc Status | Decision |
| [R4-2302759](file:///D:\RAN4%23106\Docs\R4-2302759.zip) | Topic summary for [106][201] R15\_maintenance\_RRM | Moderator (Huawei) | other | Information | [106][201] R15\_maintenance\_RRM | 4.7 | reserved |  |
| [R4-2302760](file:///D:\RAN4%23106\Docs\R4-2302760.zip) | Topic summary for [106][202] R16\_maintenance | Moderator (Apple) | other | Information | [106][202] R16\_maintenance | 4.7 | reserved |  |
| [R4-2302761](file:///D:\RAN4%23106\Docs\R4-2302761.zip) | Topic summary for [106][203] R17\_maintenance | Moderator (Intel) | other | Information | [106][203] R17\_maintenance | 5.4 | reserved |  |
| [R4-2302762](file:///D:\RAN4%23106\Docs\R4-2302762.zip) | Topic summary for [106][204] NR\_NTN\_solutions | Moderator (Xiaomi) | other | Information | [106][204] NR\_NTN\_solutions | 6.1.7 | reserved |  |
| [R4-2302763](file:///D:\RAN4%23106\Docs\R4-2302763.zip) | Topic summary for [106][205] NR\_ext\_to\_71GHz | Moderator (Qualcomm) | other | Information | [106][205] NR\_ext\_to\_71GHz | 6.2.7 | reserved |  |
| [R4-2302764](file:///D:\RAN4%23106\Docs\R4-2302764.zip) | Topic summary for [106][206] NR\_feMIMO | Moderator (Intel) | other | Information | [106][206] NR\_feMIMO | 5.4 | reserved |  |
| [R4-2302765](file:///D:\RAN4%23106\Docs\R4-2302765.zip) | Topic summary for [106][207] NR\_redcap | Moderator (Ericsson) | other | Information | [106][207] NR\_redcap | 5.4 | reserved |  |
| [R4-2302766](file:///D:\RAN4%23106\Docs\R4-2302766.zip) | Topic summary for [106][208] NR\_ENDC\_ RF\_FR1\_enh2 | Moderator (NTT Docomo) | other | Information | [106][208] NR\_ENDC\_ RF\_FR1\_enh2 | 9.6.7 | reserved |  |
| [R4-2302767](file:///D:\RAN4%23106\Docs\R4-2302767.zip) | Topic summary for [106][209] FR2\_multiRx\_part1 | Moderator (Vivo) | other | Information | [106][209] FR2\_multiRx\_part1 | 9.8.5 | reserved |  |
| [R4-2302768](file:///D:\RAN4%23106\Docs\R4-2302768.zip) | Topic summary for [106][210] FR2\_multiRx\_part2 | Moderator (Qualcomm) | other | Information | [106][210] FR2\_multiRx\_part2 | 9.8.5 | reserved |  |
| [R4-2302769](file:///D:\RAN4%23106\Docs\R4-2302769.zip) | Topic summary for [106][211] NR\_RRM\_enh3\_part1 | Moderator (Apple) | other | Information | [106][211] NR\_RRM\_enh3\_part1 | 9.9.4 | reserved |  |
| [R4-2302770](file:///D:\RAN4%23106\Docs\R4-2302770.zip) | Topic summary for [106][212] NR\_RRM\_enh3\_part2 | Moderator (OPPO) | other | Information | [106][212] NR\_RRM\_enh3\_part2 | 9.9.4 | reserved |  |
| [R4-2302771](file:///D:\RAN4%23106\Docs\R4-2302771.zip) | Topic summary for [106][213] NR\_MG\_enh2\_part1 | Moderator (MediaTek) | other | Information | [106][213] NR\_MG\_enh2\_part1 | 9.10.4 | reserved |  |
| [R4-2302772](file:///D:\RAN4%23106\Docs\R4-2302772.zip) | Topic summary for [106][214] NR\_MG\_enh2\_part2 | Moderator (Intel) | other | Information | [106][214] NR\_MG\_enh2\_part2 | 9.10.4 | reserved |  |
| [R4-2302773](file:///D:\RAN4%23106\Docs\R4-2302773.zip) | Topic summary for [106][215] NonCol\_intraB\_ENDC\_NR\_CA | Moderator (Huawei) | other | Information | [106][215] NonCol\_intraB\_ENDC\_NR\_CA | 9.11.4 | reserved |  |
| [R4-2302774](file:///D:\RAN4%23106\Docs\R4-2302774.zip) | Topic summary for [106][216] NR\_HST\_FR2\_enh\_part1 | Moderator (Samsung) | other | Information | [106][216] NR\_HST\_FR2\_enh\_part1 | 9.12.6 | reserved |  |
| [R4-2302775](file:///D:\RAN4%23106\Docs\R4-2302775.zip) | Topic summary for [106][217] NR\_HST\_FR2\_enh\_part2 | Moderator (Nokia) | other | Information | [106][217] NR\_HST\_FR2\_enh\_part2 | 9.12.6 | reserved |  |
| [R4-2302776](file:///D:\RAN4%23106\Docs\R4-2302776.zip) | Topic summary for [106][218] NR\_ATG | Moderator (CMCC) | other | Information | [106][218] NR\_ATG | 9.13.6 | reserved |  |
| [R4-2302777](file:///D:\RAN4%23106\Docs\R4-2302777.zip) | Topic summary for [106][219] NR\_FR1\_lessthan\_5MHz\_BW | Moderator (Nokia) | other | Information | [106][219] NR\_FR1\_lessthan\_5MHz\_BW | 9.14.6 | reserved |  |
| [R4-2302778](file:///D:\RAN4%23106\Docs\R4-2302778.zip) | Topic summary for [106][220] NR\_pos\_enh2 | Moderator (Ericsson) | other | Information | [106][220] NR\_pos\_enh2 | 9.21.4 | reserved |  |
| [R4-2302779](file:///D:\RAN4%23106\Docs\R4-2302779.zip) | Topic summary for [106][221] NR\_MC\_enh | Moderator (Huawei) | other | Information | [106][221] NR\_MC\_enh | 9.22.4 | reserved |  |
| [R4-2302780](file:///D:\RAN4%23106\Docs\R4-2302780.zip) | Topic summary for [106][222] NR\_Mob\_enh2\_part1 | Moderator (MediaTek) | other | Information | [106][222] NR\_Mob\_enh2\_part1 | 9.23.7 | reserved |  |
| [R4-2302781](file:///D:\RAN4%23106\Docs\R4-2302781.zip) | Topic summary for [106][223] NR\_Mob\_enh2\_part2 | Moderator (Apple) | other | Information | [106][223] NR\_Mob\_enh2\_part2 | 9.23.7 | reserved |  |
| [R4-2302782](file:///D:\RAN4%23106\Docs\R4-2302782.zip) | Topic summary for [106][224] NR\_DualTxRx\_MUSIM | Moderator (Vivo) | other | Information | [106][224] NR\_DualTxRx\_MUSIM | 9.24.3 | reserved |  |
| [R4-2302783](file:///D:\RAN4%23106\Docs\R4-2302783.zip) | Topic summary for [106][225] NR\_NTN\_enh | Moderator (Qualcomm) | other | Information | [106][225] NR\_NTN\_enh | 9.25.6 | reserved |  |
| [R4-2302784](file:///D:\RAN4%23106\Docs\R4-2302784.zip) | Topic summary for [106][226] NR\_netcon\_repeater | Moderator (ZTE) | other | Information | [106][226] NR\_netcon\_repeater | 9.27.4 | reserved |  |
| [R4-2302785](file:///D:\RAN4%23106\Docs\R4-2302785.zip) | Topic summary for [106][227] NR\_SL\_enh2 | Moderator (LGE) | other | Information | [106][227] NR\_SL\_enh2 | 9.29.4 | reserved |  |
| [R4-2302786](file:///D:\RAN4%23106\Docs\R4-2302786.zip) | Topic summary for [106][228] NR\_MIMO\_evo\_DL\_UL | Moderator (Samsung) | other | Information | [106][228] NR\_MIMO\_evo\_DL\_UL | 9.28.4 | reserved |  |
| [R4-2302787](file:///D:\RAN4%23106\Docs\R4-2302787.zip) | Topic summary for [106][229] NR\_redcap\_enh | Moderator (Ericsson) | other | Information | [106][229] NR\_redcap\_enh | 9.30.5 | reserved |  |
| [R4-2302788](file:///D:\RAN4%23106\Docs\R4-2302788.zip) | Topic summary for [106][230] NR\_SL\_relay\_enh | Moderator (LGE) | other | Information | [106][230] NR\_SL\_relay\_enh | 9.31.2 | reserved |  |
| [R4-2302789](file:///D:\RAN4%23106\Docs\R4-2302789.zip) | Topic summary for [106][231] NR\_mobile\_IAB | Moderator (Qualcomm) | other | Information | [106][231] NR\_mobile\_IAB | 9.32.4 | reserved |  |
| [R4-2302790](file:///D:\RAN4%23106\Docs\R4-2302790.zip) | Topic summary for [106][232] LTE\_NBIOT\_eMTC\_NTN\_req | Moderator (MediaTek) | other | Information | [106][232] LTE\_NBIOT\_eMTC\_NTN\_req | 10.5.8 | reserved |  |
| [R4-2302791](file:///D:\RAN4%23106\Docs\R4-2302791.zip) | Topic summary for [106][233] IoT\_NTN\_enh | Moderator (MediaTek) | other | Information | [106][233] IoT\_NTN\_enh | 10.6.5 | reserved |  |
| [R4-2302792](file:///D:\RAN4%23106\Docs\R4-2302792.zip) | Topic summary for [106][234] BWP\_withoutRestriction | Moderator (Vivo) | other | Information | [106][234] BWP\_withoutRestriction | 12.5 | reserved |  |
| [R4-2302793](file:///D:\RAN4%23106\Docs\R4-2302793.zip) | Topic summary for [106][235] Reply\_LS | Moderator (CATT) | other | Information | [106][235] Reply\_LS | 11.1.1 | reserved |  |

### 3.1.3 BSRF\_Demod session

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| TDoc | Title | Source | Type | For | Abstract | Agenda item | TDoc Status | Decision |
| [R4-2303746](file:///D:\RAN4%23106\Docs\R4-2303746.zip) | Topic summary for [106][301] BSRF\_maintenance | Moderator - Ericsson | other | Information | [106][301] BSRF\_maintenance | 5.4 | reserved |  |
| [R4-2303747](file:///D:\RAN4%23106\Docs\R4-2303747.zip) | Topic summary for [106][302] NR\_Repeater\_RF | Moderator - CATT | other | Information | [106][302] NR\_Repeater\_RF | 5.4 | reserved |  |
| [R4-2303748](file:///D:\RAN4%23106\Docs\R4-2303748.zip) | Topic summary for [106][303] NTN\_Solutions\_RF | Moderator - Ericsson | other | Information | [106][303] NTN\_Solutions\_RF | 6.1.7 | reserved |  |
| [R4-2303749](file:///D:\RAN4%23106\Docs\R4-2303749.zip) | Topic summary for [106][304] NR\_exto71GHz\_BSRF | Moderator - Huawei | other | Information | [106][304] NR\_exto71GHz\_BSRF | 6.2.7 | reserved |  |
| [R4-2303750](file:///D:\RAN4%23106\Docs\R4-2303750.zip) | Topic summary for [106][305] NR\_NTN\_LSband\_SANRF | Moderator - Globalstar | other | Information | [106][305] NR\_NTN\_LSband\_SANRF | 8.34.6 | reserved |  |
| [R4-2303751](file:///D:\RAN4%23106\Docs\R4-2303751.zip) | Topic summary for [106][306] FS\_NR\_BS\_RF\_evo | Moderator - Huawei | other | Information | [106][306] FS\_NR\_BS\_RF\_evo | 9.4.3 | reserved |  |
| [R4-2303752](file:///D:\RAN4%23106\Docs\R4-2303752.zip) | Topic summary for [106][307] NR\_ATG\_BSRF | Moderator - ZTE | other | Information | [106][307] NR\_ATG\_BSRF | 9.13.6 | reserved |  |
| [R4-2303753](file:///D:\RAN4%23106\Docs\R4-2303753.zip) | Topic summary for [106][308] NR\_FR1\_lessthan\_5MHz\_BW\_BSRF | Moderator - Nokia | other | Information | [106][308] NR\_FR1\_lessthan\_5MHz\_BW\_BSRF | 9.14.6 | reserved |  |
| [R4-2303754](file:///D:\RAN4%23106\Docs\R4-2303754.zip) | Topic summary for [106][309] NR\_LTE\_EMC\_enh | Moderator - Ericsson | other | Information | [106][309] NR\_LTE\_EMC\_enh | 9.17.4 | reserved |  |
| [R4-2303755](file:///D:\RAN4%23106\Docs\R4-2303755.zip) | Topic summary for [106][310] FS\_NR\_duplex\_evo\_Part1 | Moderator - Samsung | other | Information | [106][310] FS\_NR\_duplex\_evo\_Part1 | 9.19.4 | reserved |  |
| [R4-2303756](file:///D:\RAN4%23106\Docs\R4-2303756.zip) | Topic summary for [106][311] FS\_NR\_duplex\_evo\_Part2 | Moderator - China Mobile | other | Information | [106][311] FS\_NR\_duplex\_evo\_Part2 | 9.19.4 | reserved |  |
| [R4-2303757](file:///D:\RAN4%23106\Docs\R4-2303757.zip) | Topic summary for [106][312] NR\_NTN\_enh\_Part1 | Moderator - Thales | other | Information | [106][312] NR\_NTN\_enh\_Part1 | 9.25.6 | reserved |  |
| [R4-2303758](file:///D:\RAN4%23106\Docs\R4-2303758.zip) | Topic summary for [106][313] NR\_NTN\_enh\_Part2 | Moderator - Samsung | other | Information | [106][313] NR\_NTN\_enh\_Part2 | 9.25.6 | reserved |  |
| [R4-2303759](file:///D:\RAN4%23106\Docs\R4-2303759.zip) | Topic summary for [106][314] NR\_netcon\_repeater | Moderator - ZTE | other | Information | [106][314] NR\_netcon\_repeater | 9.27.4 | reserved |  |
| [R4-2303760](file:///D:\RAN4%23106\Docs\R4-2303760.zip) | Topic summary for [106][315] NR\_mobile\_IAB\_RF | Moderator - Qualcomm | other | Information | [106][315] NR\_mobile\_IAB\_RF | 9.32 | reserved |  |
| [R4-2303761](file:///D:\RAN4%23106\Docs\R4-2303761.zip) | Topic summary for [106][316] LTE\_terr\_bcast\_bands\_BSRF | Moderator - Nokia | other | Information | [106][316] LTE\_terr\_bcast\_bands\_BSRF | 10.3.5 | reserved |  |
| [R4-2303762](file:///D:\RAN4%23106\Docs\R4-2303762.zip) | Topic summary for [106][317] IoT\_NTN\_Co-existence\_SANRF | Moderator - Qualcomm | other | Information | [106][317] IoT\_NTN\_Co-existence\_SANRF | 10.5.8 | reserved |  |
| [R4-2303763](file:///D:\RAN4%23106\Docs\R4-2303763.zip) | Topic summary for [106][318] Demod\_Maintenance\_Part1 | Moderator - Apple | other | Information | [106][318] Demod\_Maintenance\_Part1 | 5.4 | reserved |  |
| [R4-2303764](file:///D:\RAN4%23106\Docs\R4-2303764.zip) | Topic summary for [106][319] Demod\_Maintenance\_Part2 | Moderator - Nokia | other | Information | [106][319] Demod\_Maintenance\_Part2 | 5.4 | reserved |  |
| [R4-2303765](file:///D:\RAN4%23106\Docs\R4-2303765.zip) | Topic summary for [106][320] NR\_NTN\_Demod | Moderator - Huawei | other | Information | Topic summary for [106][320] NR\_NTN\_Demod | 6.1.7 | reserved |  |
| [R4-2303766](file:///D:\RAN4%23106\Docs\R4-2303766.zip) | Topic summary for [106][321] NR\_exto71GHz\_Demod\_Part1 | Moderator - Nokia | other | Information | [106][321] NR\_exto71GHz\_Demod\_Part1 | 6.2.7 | reserved |  |
| [R4-2303767](file:///D:\RAN4%23106\Docs\R4-2303767.zip) | Topic summary for [106][322] NR\_exto71GHz\_Demod\_Part2 | Moderator - Qualcomm | other | Information | [106][322] NR\_exto71GHz\_Demod\_Part2 | 6.2.7 | reserved |  |
| [R4-2303768](file:///D:\RAN4%23106\Docs\R4-2303768.zip) | Topic summary for [106][323] NR\_ATG\_Demod | Moderator - China Mobile | other | Information | [106][323] NR\_ATG\_Demod | 9.13.6 | reserved |  |
| [R4-2303769](file:///D:\RAN4%23106\Docs\R4-2303769.zip) | Topic summary for [106][324] RF\_FR1\_enh2\_Demod\_Part1 | Moderator - Huawei | other | Information | [106][324] RF\_FR1\_enh2\_Demod\_Part1 | 9.6.7 | reserved |  |
| [R4-2303770](file:///D:\RAN4%23106\Docs\R4-2303770.zip) | Topic summary for [106][325] RF\_FR1\_enh2\_Demod\_Part2 | Moderator - Ericsson | other | Information | [106][325] RF\_FR1\_enh2\_Demod\_Part2 | 9.6.7 | reserved |  |
| [R4-2303771](file:///D:\RAN4%23106\Docs\R4-2303771.zip) | Topic summary for [106][326] NR\_demod\_enh3\_Part1 | Moderator - China Telecom | other | Information | [106][326] NR\_demod\_enh3\_Part1 | 9.18.3 | reserved |  |
| [R4-2303772](file:///D:\RAN4%23106\Docs\R4-2303772.zip) | Topic summary for [106][327] NR\_demod\_enh3\_Part2 | Moderator - Intel | other | Information | [106][327] NR\_demod\_enh3\_Part2 | 9.18.3 | reserved |  |
| [R4-2303773](file:///D:\RAN4%23106\Docs\R4-2303773.zip) | Topic summary for [106][328] NR\_FR2\_multiRX\_DL\_Demod | Moderator - Qualcomm | other | Information | [106][328] NR\_FR2\_multiRX\_DL\_Demod | 9.8.5 | reserved |  |
| [R4-2303774](file:///D:\RAN4%23106\Docs\R4-2303774.zip) | Topic summary for [106][329] IoT\_NTN\_Demod\_Part1 | Moderator - Mediatek | other | Information | [106][329] IoT\_NTN\_Demod\_Part1 | 10.5.8 | reserved |  |
| [R4-2303775](file:///D:\RAN4%23106\Docs\R4-2303775.zip) | Topic summary for [106][330] IoT\_NTN\_Demod\_Part2 | Moderator - Ericsson | other | Information | [106][330] IoT\_NTN\_Demod\_Part2 | 10.5.8 | reserved |  |
| [R4-2303776](file:///D:\RAN4%23106\Docs\R4-2303776.zip) | Topic summary for [106][331] FS\_NR\_FR2\_OTA\_enh | Moderator - Qualcomm | other | Information | [106][331] FS\_NR\_FR2\_OTA\_enh | 9.5.4 | reserved |  |
| [R4-2303777](file:///D:\RAN4%23106\Docs\R4-2303777.zip) | Topic summary for [106][332] NR\_FR1\_TRP\_TRS\_enh | Moderator - Vivo | other | Information | [106][332] NR\_FR1\_TRP\_TRS\_enh | 9.15.4 | reserved |  |
| [R4-2303778](file:///D:\RAN4%23106\Docs\R4-2303778.zip) | Topic summary for [106][333] NR\_MIMO\_OTA\_enh | Moderator - CAICT | other | Information | [106][333] NR\_MIMO\_OTA\_enh | 9.16.6 | reserved |  |

## 4 Up to Rel-16 maintenance for LTE and NR

*For Rel-15/16 maintenance, please submit formal CRs. When you reserve the tdoc number, please use the correct WI code rather than simply using TEI and fill the column of “Related WIs” in your reservation spreadsheet. If you submit a CR with TEI as WI code, please inform session chair.*

### 4.1 UE RF requirements

**Topic #1: EVM measurement for shorter transient period capability (1)**

[**R4-2300034**](file:///D:\RAN4%23106\Docs\R4-2300034.zip) **FR1 EVM for shorter transient period capability**

*Type: discussion For: Approval  
 38.101-1 v CR- rev Cat: (Rel-16)  
  
 Source: Skyworks Solutions Inc.*

**Abstract:**

This paper is a re-submission of R5-230058 in which we observe that the RAN5 test procedure seems to imply that the EVM of a UE which supports the shorter transient period capability is verified using an OFF-to-ON-to-OFF test pattern. This is not aligned

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

**Topic #2: PC1.5 for NS\_47 (1)**

[**R4-2300346**](file:///D:\RAN4%23106\Docs\R4-2300346.zip) **Considerations on PC1.5 for NS\_47**

*Type: other For: Approval  
 Source: Apple*

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

**Topic #3: Exceptional channel raster for n28 in 38.101-1 (2)**

[**R4-2300491**](file:///D:\RAN4%23106\Docs\R4-2300491.zip) **Views on operation with different channel BW for n28**

*Type: discussion For: Discussion  
 Source: Intel Corporation*

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

[**R4-2301589**](file:///D:\RAN4%23106\Docs\R4-2301589.zip) **Discussion on UE specs impact from the BS exceptional channel raster point**

*Type: discussion For: Decision  
 Source: MediaTek Inc.*

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

**Topic #4: Inter-band UL CA Pcmax and PHR (3)**

[**R4-2300739**](file:///D:\RAN4%23106\Docs\R4-2300739.zip) **On the PCMAX for inter-band UL CA and the PHR for the serving cells**

*Type: other For: Approval  
 Source: Ericsson*

**Abstract:**

in this contribution we propose to modify the Pcmax,c per serving cell for inter-band CA such that the PHR becomes correct and to make the PCMAX for power prioritization consistent with 38.213.

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

CR

[**R4-2302435**](file:///D:\RAN4%23106\Docs\R4-2302435.zip) **Corrections to configured maximum power for inter-band UL CA**

*Type: CR For: Agreement  
 38.101-1 v16.14.0 CR-1428 rev Cat: F (Rel-16)  
  
 Source: Ericsson*

**Abstract:**

CR to correct the PCMAX for inter-band CA and the Pcmax,c for serving cells such that PHR becomes correct when the UE is configured with UL CA.

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

[**R4-2300740**](file:///D:\RAN4%23106\Docs\R4-2300740.zip) **Corrections to configured maximum power for inter-band UL CA**

*Type: CR For: Agreement  
 38.101-1 v17.8.0 CR-1333 rev Cat: F (Rel-17)  
  
 Source: Ericsson*

**Abstract:**

CR to correct the PCMAX for inter-band CA and the Pcmax,c for serving cells such that PHR becomes correct when the UE is configured with UL CA.

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

[**R4-2300741**](file:///D:\RAN4%23106\Docs\R4-2300741.zip) **Corrections to configured maximum power for inter-band UL CA**

*Type: CR For: Agreement  
 38.101-1 v18.0.0 CR-1334 rev Cat: A (Rel-18)  
  
 Source: Ericsson*

**Abstract:**

CR to correct the PCMAX for inter-band CA and the Pcmax,c for serving cells such that PHR becomes correct when the UE is configured with inter-band UL-CA and combiantions with intra-band UL CA.

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

**Topic #5: Inner region equation change (2)**

[**R4-2300826**](file:///D:\RAN4%23106\Docs\R4-2300826.zip) **Intra UL CA MPR Equation issue**

*Type: other For: Approval  
 38.101-1 v CR- rev Cat: (Rel-16)  
  
 Source: Qualcomm Incorporated*

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

CR

[**R4-2302672**](file:///D:\RAN4%23106\Docs\R4-2302672.zip) **CR to return he Eq1 for intra-band UL CA contiguous**

*Type: CR For: Agreement  
 38.101-1 v16.14.0 CR-1452 rev Cat: F (Rel-16)  
  
 Source: Qualcomm Incorporated*

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

**Topic #6: FR2 PRACH requirement in R15 (2)**

[**R4-2300990**](file:///D:\RAN4%23106\Docs\R4-2300990.zip) **Discussion on revisiting PRACH requirements since Rel-15**

*Type: discussion For: Discussion  
 Source: Samsung*

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

CR

[**R4-2300991**](file:///D:\RAN4%23106\Docs\R4-2300991.zip) **Corrections on RF requirements for PRACH**

*Type: CR For: Agreement  
 38.101-2 v15.20.0 CR-0545 rev Cat: F (Rel-15)  
  
 Source: Samsung*

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

[**R4-2300992**](file:///D:\RAN4%23106\Docs\R4-2300992.zip) **Corrections on RF requirements for PRACH**

*Type: CR For: Agreement  
 38.101-2 v16.14.0 CR-0546 rev Cat: A (Rel-16)  
  
 Source: Samsung*

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

[**R4-2300993**](file:///D:\RAN4%23106\Docs\R4-2300993.zip) **Corrections on RF requirements for PRACH**

*Type: CR For: Agreement  
 38.101-2 v17.8.0 CR-0547 rev Cat: A (Rel-17)  
  
 Source: Samsung*

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

[**R4-2300994**](file:///D:\RAN4%23106\Docs\R4-2300994.zip) **Corrections on RF requirements for PRACH**

*Type: CR For: Agreement  
 38.101-2 v18.0.0 CR-0548 rev Cat: A (Rel-18)  
  
 Source: Samsung*

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

**Topic #7: DL interruption for Tx switching (2)**

[**R4-2301720**](file:///D:\RAN4%23106\Docs\R4-2301720.zip) **Revisit on the need of DL interruption for Tx switching**

*Type: discussion For: Approval  
 38.101-1 v CR- rev Cat: (Rel-16)  
  
 Source: MediaTek Inc.*

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

CR

[**R4-2301714**](file:///D:\RAN4%23106\Docs\R4-2301714.zip) **Draft CR for DL interruption note improvement-r16-F**

*Type: draftCR For: Endorsement  
 38.101-1 v16.14.0 CR- rev Cat: (Rel-16)  
  
 Source: MediaTek Inc.*

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

[**R4-2301715**](file:///D:\RAN4%23106\Docs\R4-2301715.zip) **Draft CR for DL interruption note improvement-r17-A**

*Type: draftCR For: Endorsement  
 38.101-1 v17.8.0 CR- rev Cat: (Rel-17)  
  
 Source: MediaTek Inc.*

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

[**R4-2301716**](file:///D:\RAN4%23106\Docs\R4-2301716.zip) **Draft CR for DL interruption note improvement-r18-A**

*Type: draftCR For: Endorsement  
 38.101-1 v18.0.0 CR- rev Cat: (Rel-18)  
  
 Source: MediaTek Inc.*

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

**Topic #8: EVM measurement for UL MIMO (3)**

[**R4-2302297**](file:///D:\RAN4%23106\Docs\R4-2302297.zip) **EVM measurement for UL MIMO**

*Type: other For: Approval  
 Source: Keysight Technologies UK Ltd*

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

CR

[**R4-2302298**](file:///D:\RAN4%23106\Docs\R4-2302298.zip) **Updates to FR1 UL MIMO EVM measurement procedure (Rel-15)**

*Type: CR For: Agreement  
 38.101-1 v15.20.0 CR-1422 rev Cat: F (Rel-15)  
  
 Source: Keysight Technologies UK Ltd*

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

[**R4-2302299**](file:///D:\RAN4%23106\Docs\R4-2302299.zip) **Updates to FR1 UL MIMO EVM measurement procedure (Rel-16)**

*Type: CR For: Agreement  
 38.101-1 v16.14.0 CR-1423 rev Cat: A (Rel-16)  
  
 Source: Keysight Technologies UK Ltd*

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

[**R4-2302300**](file:///D:\RAN4%23106\Docs\R4-2302300.zip) **Updates to FR1 UL MIMO EVM measurement procedure (Rel-17)**

*Type: CR For: Agreement  
 38.101-1 v17.8.0 CR-1424 rev Cat: A (Rel-17)  
  
 Source: Keysight Technologies UK Ltd*

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

[**R4-2302301**](file:///D:\RAN4%23106\Docs\R4-2302301.zip) **Updates to FR1 UL MIMO EVM measurement procedure (Rel-18)**

*Type: CR For: Agreement  
 38.101-1 v18.0.0 CR-1425 rev Cat: A (Rel-18)  
  
 Source: Keysight Technologies UK Ltd*

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

[**R4-2302302**](file:///D:\RAN4%23106\Docs\R4-2302302.zip) **Updates to FR2 UL MIMO EVM measurement procedure (Rel-15)**

*Type: CR For: Agreement  
 38.101-2 v15.20.0 CR-0583 rev Cat: F (Rel-15)  
  
 Source: Keysight Technologies UK Ltd*

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

[**R4-2302303**](file:///D:\RAN4%23106\Docs\R4-2302303.zip) **Updates to FR2 UL MIMO EVM measurement procedure (Rel-16)**

*Type: CR For: Agreement  
 38.101-2 v16.14.0 CR-0584 rev Cat: A (Rel-16)  
  
 Source: Keysight Technologies UK Ltd*

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

[**R4-2302304**](file:///D:\RAN4%23106\Docs\R4-2302304.zip) **Updates to FR2 UL MIMO EVM measurement procedure (Rel-17)**

*Type: CR For: Agreement  
 38.101-2 v17.8.0 CR-0585 rev Cat: A (Rel-17)  
  
 Source: Keysight Technologies UK Ltd*

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

[**R4-2302305**](file:///D:\RAN4%23106\Docs\R4-2302305.zip) **Updates to FR2 UL MIMO EVM measurement procedure (Rel-18)**

*Type: CR For: Agreement  
 38.101-2 v18.0.0 CR-0586 rev Cat: A (Rel-18)  
  
 Source: Keysight Technologies UK Ltd*

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

**Topic #9: CRs for 38.101-1 (29)**

[**R4-2301152**](file:///D:\RAN4%23106\Docs\R4-2301152.zip) **R15 Harmonic mixing MSD for CA\_n8A-n79A and DC\_8A\_n79A**

*Type: other For: Approval  
 Source: OPPO*

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

CR

[**R4-2300324**](file:///D:\RAN4%23106\Docs\R4-2300324.zip) **CR for TS 38.101-1 Rel-16: Correction for wrong reference in NS\_50**

*Type: CR For: Approval  
 38.101-1 v16.14.0 CR-1303 rev Cat: F (Rel-16)  
  
 Source: Apple*

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

[**R4-2300325**](file:///D:\RAN4%23106\Docs\R4-2300325.zip) **CR for TS 38.101-1 Rel-17: Correction for wrong reference in NS\_50**

*Type: CR For: Approval  
 38.101-1 v17.8.0 CR-1304 rev Cat: A (Rel-17)  
  
 Source: Apple*

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

[**R4-2300326**](file:///D:\RAN4%23106\Docs\R4-2300326.zip) **CR for TS 38.101-1 Rel-18: Correction for wrong reference in NS\_50**

*Type: CR For: Approval  
 38.101-1 v18.0.0 CR-1305 rev Cat: A (Rel-18)  
  
 Source: Apple*

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

[**R4-2301161**](file:///D:\RAN4%23106\Docs\R4-2301161.zip) **38101-1 CR on clarification of UE coexistence frequency range (R15)**

*Type: CR For: Agreement  
 38.101-1 v15.20.0 CR-1367 rev Cat: F (Rel-15)  
  
 Source: OPPO; Anritsu; Keysight; Rohde & Schwarz*

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

[**R4-2301162**](file:///D:\RAN4%23106\Docs\R4-2301162.zip) **38101-1 CR on clarification of UE coexistence frequency range (R16)**

*Type: CR For: Agreement  
 38.101-1 v16.14.0 CR-1368 rev Cat: F (Rel-16)  
  
 Source: OPPO; Anritsu; Keysight; Rohde & Schwarz*

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

[**R4-2301371**](file:///D:\RAN4%23106\Docs\R4-2301371.zip) **38101-1 CR on clarification of UE coexistence frequency range (R17 CAT-A)**

*Type: CR For: Agreement  
 38.101-1 v17.8.0 CR-1382 rev Cat: A (Rel-17)  
  
 Source: OPPO; Anritsu; Keysight; Rohde & Schwarz*

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

[**R4-2301372**](file:///D:\RAN4%23106\Docs\R4-2301372.zip) **38101-1 CR on clarification of UE coexistence frequency range (R18 CAT-A)**

*Type: CR For: Agreement  
 38.101-1 v18.0.0 CR-1383 rev Cat: A (Rel-18)  
  
 Source: OPPO; Anritsu; Keysight; Rohde & Schwarz*

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

[**R4-2302575**](file:///D:\RAN4%23106\Docs\R4-2302575.zip) **CR for 38.101-1: Clarification of n5 protection of n26**

*Type: CR For: Agreement  
 38.101-1 v15.20.0 CR-1442 rev Cat: F (Rel-15)  
  
 Source: T-Mobile USA, Southern Linc*

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

[**R4-2302576**](file:///D:\RAN4%23106\Docs\R4-2302576.zip) **CR for 38.101-1: Clarification of n5 protection of n26 (Rel-16 Cat A)**

*Type: CR For: Agreement  
 38.101-1 v16.14.0 CR-1443 rev Cat: A (Rel-16)  
  
 Source: T-Mobile USA*

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

[**R4-2302577**](file:///D:\RAN4%23106\Docs\R4-2302577.zip) **CR for 38.101-1: Clarification of n5 protection of n26 (Rel-16 Cat A)**

*Type: CR For: Agreement  
 38.101-1 v17.8.0 CR-1444 rev Cat: A (Rel-17)  
  
 Source: T-Mobile USA*

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

[**R4-2302578**](file:///D:\RAN4%23106\Docs\R4-2302578.zip) **CR for 38.101-1: Clarification of n5 protection of n26 (Rel-16 Cat A)**

*Type: CR For: Agreement  
 38.101-1 v18.0.0 CR-1445 rev Cat: A (Rel-18)  
  
 Source: T-Mobile USA*

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

[**R4-2302579**](file:///D:\RAN4%23106\Docs\R4-2302579.zip) **CR for 38.101-1: Clarification of n26 protection of n26**

*Type: CR For: Agreement  
 38.101-1 v16.14.0 CR-1446 rev Cat: F (Rel-16)  
  
 Source: T-Mobile USA, Southern Linc*

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

[**R4-2302580**](file:///D:\RAN4%23106\Docs\R4-2302580.zip) **CR for 38.101-1: Clarification of n26 protection of n26 (Rel-17 Cat A)**

*Type: CR For: Agreement  
 38.101-1 v17.8.0 CR-1447 rev Cat: A (Rel-17)  
  
 Source: T-Mobile USA*

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

[**R4-2302581**](file:///D:\RAN4%23106\Docs\R4-2302581.zip) **CR for 38.101-1: Clarification of n26 protection of n26 (Rel-18 Cat A)**

*Type: CR For: Agreement  
 38.101-1 v18.0.0 CR-1448 rev Cat: A (Rel-18)  
  
 Source: T-Mobile USA*

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

[**R4-2302078**](file:///D:\RAN4%23106\Docs\R4-2302078.zip) **CR for TS 38.101-1 to clarify band n34 protection for band n1 and n65**

*Type: CR For: Agreement  
 38.101-1 v16.14.0 CR-1412 rev Cat: F (Rel-16)  
  
 Source: Huawei, HiSilicon*

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

[**R4-2302079**](file:///D:\RAN4%23106\Docs\R4-2302079.zip) **CR for TS 38.101-1 to clarify band n34 protection for band n1 and n65 (R17)**

*Type: CR For: Agreement  
 38.101-1 v17.8.0 CR-1413 rev Cat: A (Rel-17)  
  
 Source: Huawei, HiSilicon*

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

[**R4-2302080**](file:///D:\RAN4%23106\Docs\R4-2302080.zip) **CR for TS 38.101-1 to clarify band n34 protection for band n1 and n65 (R18)**

*Type: CR For: Agreement  
 38.101-1 v18.0.0 CR-1414 rev Cat: A (Rel-18)  
  
 Source: Huawei, HiSilicon*

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

[**R4-2300327**](file:///D:\RAN4%23106\Docs\R4-2300327.zip) **CR for TS 38.101-1 Rel-16: Introducing missing MSD for harmonic mixing**

*Type: CR For: Approval  
 38.101-1 v16.14.0 CR-1306 rev Cat: F (Rel-16)  
  
 Source: Apple*

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

[**R4-2300328**](file:///D:\RAN4%23106\Docs\R4-2300328.zip) **CR for TS 38.101-1 Rel-17: Introducing missing MSD for harmonic mixing**

*Type: CR For: Approval  
 38.101-1 v17.8.0 CR-1307 rev Cat: A (Rel-17)  
  
 Source: Apple*

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

[**R4-2300329**](file:///D:\RAN4%23106\Docs\R4-2300329.zip) **CR for TS 38.101-1 Rel-18: Introducing missing MSD for harmonic mixing**

*Type: CR For: Approval  
 38.101-1 v18.0.0 CR-1308 rev Cat: A (Rel-18)  
  
 Source: Apple*

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

[**R4-2301153**](file:///D:\RAN4%23106\Docs\R4-2301153.zip) **CR on Harmonic mixing MSD for CA\_n8A-n79A (R15)**

*Type: CR For: Agreement  
 38.101-1 v15.20.0 CR-1363 rev Cat: F (Rel-15)  
  
 Source: OPPO*

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

[**R4-2301365**](file:///D:\RAN4%23106\Docs\R4-2301365.zip) **CR on Harmonic mixing MSD for CA\_n8A-n79A (R16 CAT-A)**

*Type: CR For: Agreement  
 38.101-1 v16.14.0 CR-1379 rev Cat: A (Rel-16)  
  
 Source: OPPO*

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

[**R4-2301366**](file:///D:\RAN4%23106\Docs\R4-2301366.zip) **CR on Harmonic mixing MSD for CA\_n8A-n79A (R17 CAT-A)**

*Type: CR For: Agreement  
 38.101-1 v17.8.0 CR-1380 rev Cat: A (Rel-17)  
  
 Source: OPPO*

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

[**R4-2301367**](file:///D:\RAN4%23106\Docs\R4-2301367.zip) **CR on Harmonic mixing MSD for CA\_n8A-n79A (R18 CAT-A)**

*Type: CR For: Agreement  
 38.101-1 v18.0.0 CR-1381 rev Cat: A (Rel-18)  
  
 Source: OPPO*

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

[**R4-2300407**](file:///D:\RAN4%23106\Docs\R4-2300407.zip) **CR to 38.101-1: Correction of PC1 ACLR definition R17**

*Type: CR For: Agreement  
 38.101-1 v17.8.0 CR-1312 rev Cat: F (Rel-17)  
  
 Source: Nokia*

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

[**R4-2300408**](file:///D:\RAN4%23106\Docs\R4-2300408.zip) **CR to 38.101-1: Correction of PC1 ACLR definition R18**

*Type: CR For: Agreement  
 38.101-1 v18.0.0 CR-1313 rev Cat: A (Rel-18)  
  
 Source: Nokia*

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

[**R4-2300629**](file:///D:\RAN4%23106\Docs\R4-2300629.zip) **Addition of configuration for carrier aggregation RMCs**

*Type: CR For: Agreement  
 38.101-1 v15.20.0 CR-1321 rev Cat: F (Rel-15)  
  
 Source: Rohde & Schwarz*

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

[**R4-2300630**](file:///D:\RAN4%23106\Docs\R4-2300630.zip) **Addition of configuration for carrier aggregation RMCs**

*Type: CR For: Agreement  
 38.101-1 v16.14.0 CR-1322 rev Cat: A (Rel-16)  
  
 Source: Rohde & Schwarz*

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

[**R4-2300631**](file:///D:\RAN4%23106\Docs\R4-2300631.zip) **Addition of configuration for carrier aggregation RMCs**

*Type: CR For: Agreement  
 38.101-1 v17.8.0 CR-1323 rev Cat: A (Rel-17)  
  
 Source: Rohde & Schwarz*

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

[**R4-2300632**](file:///D:\RAN4%23106\Docs\R4-2300632.zip) **Addition of configuration for carrier aggregation RMCs**

*Type: CR For: Agreement  
 38.101-1 v18.0.0 CR-1324 rev Cat: A (Rel-18)  
  
 Source: Rohde & Schwarz*

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

[**R4-2301117**](file:///D:\RAN4%23106\Docs\R4-2301117.zip) **Rel16 Cat F CR Correct the wrong table and clause that clause 6.2A.3.1.1 refer to**

*Type: CR For: Agreement  
 38.101-1 v16.14.0 CR-1353 rev Cat: F (Rel-16)  
  
 Source: Samsung*

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

[**R4-2301118**](file:///D:\RAN4%23106\Docs\R4-2301118.zip) **Rel17 Cat A CR Correct the wrong table and clause that clause 6.2A.3.1.1 refer to**

*Type: CR For: Agreement  
 38.101-1 v17.8.0 CR-1354 rev Cat: A (Rel-17)  
  
 Source: Samsung*

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

[**R4-2301119**](file:///D:\RAN4%23106\Docs\R4-2301119.zip) **Rel18 Cat A CR Correct the wrong table and clause that clause 6.2A.3.1.1 refer to**

*Type: CR For: Agreement  
 38.101-1 v18.0.0 CR-1355 rev Cat: A (Rel-18)  
  
 Source: Samsung*

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

[**R4-2301140**](file:///D:\RAN4%23106\Docs\R4-2301140.zip) **CR to clarify duplex mode of SDL bands**

*Type: CR For: Agreement  
 38.101-1 v15.20.0 CR-1356 rev Cat: F (Rel-15)  
  
 Source: Anritsu Limited*

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

[**R4-2302674**](file:///D:\RAN4%23106\Docs\R4-2302674.zip) **CR to clarify duplex mode of SDL bands**

*Type: CR For: Agreement  
 38.101-1 v16.14.0 CR-1453 rev Cat: F (Rel-16)  
  
 Source: Anritsu Limited*

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

[**R4-2302712**](file:///D:\RAN4%23106\Docs\R4-2302712.zip) **CR to clarify duplex mode of SDL bands**

*Type: CR For: Agreement  
 38.101-1 v17.8.0 CR-1460 rev Cat: F (Rel-17)  
  
 Source: Anritsu Limited*

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

[**R4-2301143**](file:///D:\RAN4%23106\Docs\R4-2301143.zip) **CR to clarify duplex mode of SDL bands**

*Type: CR For: Agreement  
 38.101-1 v18.0.0 CR-1359 rev Cat: A (Rel-18)  
  
 Source: Anritsu Limited*

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

[**R4-2302676**](file:///D:\RAN4%23106\Docs\R4-2302676.zip) **CR to add band n29 to blocking requirements**

*Type: CR For: Agreement  
 38.101-1 v16.14.0 CR-1455 rev Cat: F (Rel-16)  
  
 Source: Anritsu Limited*

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

[**R4-2301145**](file:///D:\RAN4%23106\Docs\R4-2301145.zip) **CR to add band n29 to blocking requirements**

*Type: CR For: Agreement  
 38.101-1 v17.8.0 CR-1361 rev Cat: A (Rel-17)  
  
 Source: Anritsu Limited*

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

[**R4-2301146**](file:///D:\RAN4%23106\Docs\R4-2301146.zip) **CR to add band n29 to blocking requirements**

*Type: CR For: Agreement  
 38.101-1 v18.0.0 CR-1362 rev Cat: A (Rel-18)  
  
 Source: Anritsu Limited*

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

[**R4-2301237**](file:///D:\RAN4%23106\Docs\R4-2301237.zip) **Correct the scaling number for MPR/A-MPR and NS\_04 SEM requirement**

*Type: CR For: Agreement  
 38.101-1 v16.14.0 CR-1371 rev Cat: F (Rel-16)  
  
 Source: ZTE Corporation*

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

[**R4-2301238**](file:///D:\RAN4%23106\Docs\R4-2301238.zip) **Correct the scaling number for MPR/A-MPR and NS\_04 SEM requirement**

*Type: CR For: Agreement  
 38.101-1 v17.8.0 CR-1372 rev Cat: F (Rel-17)  
  
 Source: ZTE Corporation*

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

[**R4-2301239**](file:///D:\RAN4%23106\Docs\R4-2301239.zip) **Correct the scaling number for MPR/A-MPR and NS\_04 SEM requirement**

*Type: CR For: Agreement  
 38.101-1 v18.0.0 CR-1373 rev Cat: A (Rel-18)  
  
 Source: ZTE Corporation*

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

[**R4-2301547**](file:///D:\RAN4%23106\Docs\R4-2301547.zip) **Clarification on Time mask for Tx switching for SA (Rel-16)**

*Type: CR For: Agreement  
 38.101-1 v16.14.0 CR-1391 rev Cat: F (Rel-16)  
  
 Source: vivo, [Qualcomm], …*

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

[**R4-2301548**](file:///D:\RAN4%23106\Docs\R4-2301548.zip) **Clarification on Time mask for Tx switching for SA (Rel-17)**

*Type: CR For: Agreement  
 38.101-1 v17.8.0 CR-1392 rev Cat: F (Rel-17)  
  
 Source: vivo*

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

[**R4-2301549**](file:///D:\RAN4%23106\Docs\R4-2301549.zip) **Clarification on Time mask for Tx switching for SA (Rel-18)**

*Type: CR For: Agreement  
 38.101-1 v18.0.0 CR-1393 rev Cat: A (Rel-18)  
  
 Source: vivo*

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

[**R4-2301636**](file:///D:\RAN4%23106\Docs\R4-2301636.zip) **CR for Rel-16 38.101-1 to correct the configurations for CA\_n46M/N/O**

*Type: CR For: Approval  
 38.101-1 v16.14.0 CR-1398 rev Cat: F (Rel-16)  
  
 Source: Xiaomi*

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

[**R4-2301637**](file:///D:\RAN4%23106\Docs\R4-2301637.zip) **CR for Rel-17 38.101-1 to correct the configurations for CA\_n46M/N/O**

*Type: CR For: Approval  
 38.101-1 v17.8.0 CR-1399 rev Cat: A (Rel-17)  
  
 Source: Xiaomi*

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

[**R4-2301638**](file:///D:\RAN4%23106\Docs\R4-2301638.zip) **CR for Rel-18 38.101-1 to correct the configurations for CA\_n46M/N/O**

*Type: CR For: Approval  
 38.101-1 v18.0.0 CR-1400 rev Cat: A (Rel-18)  
  
 Source: Xiaomi*

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

[**R4-2301860**](file:///D:\RAN4%23106\Docs\R4-2301860.zip) **CR to 38.101-1: Corrections on reference section for A-MPR for CA\_NC\_NS\_04**

*Type: CR For: Agreement  
 38.101-1 v16.14.0 CR-1402 rev Cat: F (Rel-16)  
  
 Source: Xiaomi*

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

[**R4-2302070**](file:///D:\RAN4%23106\Docs\R4-2302070.zip) **CR for TS 38.101-1 to clarify the inner outer condition for almost contiguous RB allocation**

*Type: CR For: Agreement  
 38.101-1 v15.20.0 CR-1408 rev Cat: F (Rel-15)  
  
 Source: Huawei, HiSilicon*

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

[**R4-2302071**](file:///D:\RAN4%23106\Docs\R4-2302071.zip) **CR for TS 38.101-1 to clarify the inner outer condition for almost contiguous RB allocation (R16)**

*Type: CR For: Agreement  
 38.101-1 v16.14.0 CR-1409 rev Cat: A (Rel-16)  
  
 Source: Huawei, HiSilicon*

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

[**R4-2302072**](file:///D:\RAN4%23106\Docs\R4-2302072.zip) **CR for TS 38.101-1 to clarify the inner outer condition for almost contiguous RB allocation (R17)**

*Type: CR For: Agreement  
 38.101-1 v17.8.0 CR-1410 rev Cat: A (Rel-17)  
  
 Source: Huawei, HiSilicon*

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

[**R4-2302073**](file:///D:\RAN4%23106\Docs\R4-2302073.zip) **CR for TS 38.101-1 to clarify the inner outer condition for almost contiguous RB allocation (R18)**

*Type: CR For: Agreement  
 38.101-1 v18.0.0 CR-1411 rev Cat: A (Rel-18)  
  
 Source: Huawei, HiSilicon*

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

[**R4-2302081**](file:///D:\RAN4%23106\Docs\R4-2302081.zip) **CR for TS 38.101-1 to clarify Out-of-band blocking exception for band n20 and n28 (R16)**

*Type: CR For: Agreement  
 38.101-1 v16.14.0 CR-1415 rev Cat: F (Rel-16)  
  
 Source: Huawei, HiSilicon*

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

[**R4-2302082**](file:///D:\RAN4%23106\Docs\R4-2302082.zip) **CR for TS 38.101-1 to clarify Out-of-band blocking exception for band n20 and n28 (R17)**

*Type: CR For: Agreement  
 38.101-1 v17.8.0 CR-1416 rev Cat: A (Rel-17)  
  
 Source: Huawei, HiSilicon*

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

[**R4-2302083**](file:///D:\RAN4%23106\Docs\R4-2302083.zip) **CR for TS 38.101-1 to clarify Out-of-band blocking exception for band n20 and n28 (R18)**

*Type: CR For: Agreement  
 38.101-1 v18.0.0 CR-1417 rev Cat: A (Rel-18)  
  
 Source: Huawei, HiSilicon*

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

[**R4-2302750**](file:///D:\RAN4%23106\Docs\R4-2302750.zip) **CR to TS 38.101-1\_Rel-16 4Rx for SUL**

*Type: CR For: Agreement  
 38.101-1 v16.14.0 CR-1463 rev Cat: F (Rel-16)  
  
 Source: Skyworks Solutions Inc.*

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

[**R4-2302745**](file:///D:\RAN4%23106\Docs\R4-2302745.zip) **CR to TS 38.101-1 Rel-17 4Rx for SUL and MSD corrections**

*Type: CR For: Agreement  
 38.101-1 v17.8.0 CR-1462 rev Cat: F (Rel-17)  
  
 Source: Skyworks Solutions, Inc.*

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

[**R4-2302743**](file:///D:\RAN4%23106\Docs\R4-2302743.zip) **CR to TS 38.101-1 Rel-18 4Rx for SUL and MSD corrections**

*Type: CR For: Agreement  
 38.101-1 v18.0.0 CR-1461 rev Cat: F (Rel-18)  
  
 Source: Skyworks Solutions Inc.*

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

[**R4-2302755**](file:///D:\RAN4%23106\Docs\R4-2302755.zip) **CR to TS 38.101-1 Rel-16 Minimum guardband and missing ULCA power class**

*Type: CR For: Agreement  
 38.101-1 v16.14.0 CR-1466 rev Cat: F (Rel-16)  
  
 Source: Skyworks Solutions Inc.*

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

[**R4-2302753**](file:///D:\RAN4%23106\Docs\R4-2302753.zip) **CR to TS 38.101-1 Rel-17 Minimum guardband and missing ULCA power class**

*Type: CR For: Agreement  
 38.101-1 v17.8.0 CR-1465 rev Cat: F (Rel-17)  
  
 Source: Skyworks Solutions Inc.*

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

[**R4-2302752**](file:///D:\RAN4%23106\Docs\R4-2302752.zip) **CR to TS 38.101-1 Rel-18 Minimum guardband and missing ULCA power class**

*Type: CR For: Agreement  
 38.101-1 v18.0.0 CR-1464 rev Cat: F (Rel-18)  
  
 Source: Skyworks Solutions Inc.*

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

**Topic #10: CRs for 38.101-2 (6)**

[**R4-2301165**](file:///D:\RAN4%23106\Docs\R4-2301165.zip) **38101-2 CR on clarification of UE coexistence frequency range (R15)**

*Type: CR For: Agreement  
 38.101-2 v15.20.0 CR-0558 rev Cat: F (Rel-15)  
  
 Source: OPPO; Anritsu; Keysight; Rohde & Schwarz*

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

[**R4-2301373**](file:///D:\RAN4%23106\Docs\R4-2301373.zip) **38101-2 CR on clarification of UE coexistence frequency range (R16 CAT-A)**

*Type: CR For: Agreement  
 38.101-2 v16.14.0 CR-0569 rev Cat: A (Rel-16)  
  
 Source: OPPO; Anritsu; Keysight; Rohde & Schwarz*

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

[**R4-2301374**](file:///D:\RAN4%23106\Docs\R4-2301374.zip) **38101-2 CR on clarification of UE coexistence frequency range (R17 CAT-A)**

*Type: CR For: Agreement  
 38.101-2 v17.8.0 CR-0570 rev Cat: A (Rel-17)  
  
 Source: OPPO; Anritsu; Keysight; Rohde & Schwarz*

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

[**R4-2301375**](file:///D:\RAN4%23106\Docs\R4-2301375.zip) **38101-2 CR on clarification of UE coexistence frequency range (R18 CAT-A)**

*Type: CR For: Agreement  
 38.101-2 v18.0.0 CR-0571 rev Cat: A (Rel-18)  
  
 Source: OPPO; Anritsu; Keysight; Rohde & Schwarz*

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

[**R4-2300625**](file:///D:\RAN4%23106\Docs\R4-2300625.zip) **Addition of FR2 UL MIMO EVM measurement description**

*Type: CR For: Agreement  
 38.101-2 v15.20.0 CR-0536 rev Cat: F (Rel-15)  
  
 Source: Rohde & Schwarz*

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

[**R4-2300626**](file:///D:\RAN4%23106\Docs\R4-2300626.zip) **Addition of FR2 UL MIMO EVM measurement description**

*Type: CR For: Agreement  
 38.101-2 v16.14.0 CR-0537 rev Cat: A (Rel-16)  
  
 Source: Rohde & Schwarz*

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

[**R4-2300627**](file:///D:\RAN4%23106\Docs\R4-2300627.zip) **Addition of FR2 UL MIMO EVM measurement description**

*Type: CR For: Agreement  
 38.101-2 v17.8.0 CR-0538 rev Cat: A (Rel-17)  
  
 Source: Rohde & Schwarz*

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

[**R4-2300628**](file:///D:\RAN4%23106\Docs\R4-2300628.zip) **Addition of FR2 UL MIMO EVM measurement description**

*Type: CR For: Agreement  
 38.101-2 v18.0.0 CR-0539 rev Cat: A (Rel-18)  
  
 Source: Rohde & Schwarz*

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

[**R4-2301136**](file:///D:\RAN4%23106\Docs\R4-2301136.zip) **CR to F\_Ioffset and F\_Interferer (offset) adjustment in ACS and IBB**

*Type: CR For: Agreement  
 38.101-2 v15.20.0 CR-0550 rev Cat: F (Rel-15)  
  
 Source: Anritsu Limited*

**Abstract:**

Excel file attached

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

[**R4-2301137**](file:///D:\RAN4%23106\Docs\R4-2301137.zip) **CR to F\_Ioffset and F\_Interferer (offset) adjustment in ACS and IBB**

*Type: CR For: Agreement  
 38.101-2 v16.14.0 CR-0551 rev Cat: A (Rel-16)  
  
 Source: Anritsu Limited*

**Abstract:**

Excel file attached

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

[**R4-2301138**](file:///D:\RAN4%23106\Docs\R4-2301138.zip) **CR to F\_Ioffset and F\_Interferer (offset) adjustment in ACS and IBB**

*Type: CR For: Agreement  
 38.101-2 v17.8.0 CR-0552 rev Cat: A (Rel-17)  
  
 Source: Anritsu Limited*

**Abstract:**

Excel file attached

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

[**R4-2301139**](file:///D:\RAN4%23106\Docs\R4-2301139.zip) **CR to F\_Ioffset and F\_Interferer (offset) adjustment in ACS and IBB**

*Type: CR For: Agreement  
 38.101-2 v18.0.0 CR-0553 rev Cat: A (Rel-18)  
  
 Source: Anritsu Limited*

**Abstract:**

Excel file attached

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

[**R4-2301148**](file:///D:\RAN4%23106\Docs\R4-2301148.zip) **CR on ‘Annex G Difference of relative phase and power errors’ for FR2 UL coherent MIMO**

*Type: CR For: Agreement  
 38.101-2 v15.20.0 CR-0554 rev Cat: F (Rel-15)  
  
 Source: Anritsu Limited*

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

[**R4-2301149**](file:///D:\RAN4%23106\Docs\R4-2301149.zip) **CR on ‘Annex G Difference of relative phase and power errors’ for FR2 UL coherent MIMO**

*Type: CR For: Agreement  
 38.101-2 v16.14.0 CR-0555 rev Cat: A (Rel-16)  
  
 Source: Anritsu Limited*

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

[**R4-2301150**](file:///D:\RAN4%23106\Docs\R4-2301150.zip) **CR on ‘Annex G Difference of relative phase and power errors’ for FR2 UL coherent MIMO**

*Type: CR For: Agreement  
 38.101-2 v17.8.0 CR-0556 rev Cat: A (Rel-17)  
  
 Source: Anritsu Limited*

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

[**R4-2301151**](file:///D:\RAN4%23106\Docs\R4-2301151.zip) **CR on ‘Annex G Difference of relative phase and power errors’ for FR2 UL coherent MIMO**

*Type: CR For: Agreement  
 38.101-2 v18.0.0 CR-0557 rev Cat: A (Rel-18)  
  
 Source: Anritsu Limited*

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

[**R4-2301242**](file:///D:\RAN4%23106\Docs\R4-2301242.zip) **On handheld UE and FWA UE definitions**

*Type: CR For: Agreement  
 38.101-2 v15.20.0 CR-0562 rev Cat: F (Rel-15)  
  
 Source: ZTE Corporation, OPPO*

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

[**R4-2301243**](file:///D:\RAN4%23106\Docs\R4-2301243.zip) **On handheld UE and FWA UE definitions**

*Type: CR For: Agreement  
 38.101-2 v16.14.0 CR-0563 rev Cat: F (Rel-16)  
  
 Source: ZTE Corporation, OPPO*

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

[**R4-2301244**](file:///D:\RAN4%23106\Docs\R4-2301244.zip) **On handheld UE and FWA UE definitions**

*Type: CR For: Agreement  
 38.101-2 v17.8.0 CR-0564 rev Cat: F (Rel-17)  
  
 Source: ZTE Corporation, OPPO*

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

[**R4-2301245**](file:///D:\RAN4%23106\Docs\R4-2301245.zip) **On handheld UE and FWA UE definitions**

*Type: CR For: Agreement  
 38.101-2 v18.0.0 CR-0565 rev Cat: F (Rel-18)  
  
 Source: ZTE Corporation, OPPO*

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

[**R4-2301633**](file:///D:\RAN4%23106\Docs\R4-2301633.zip) **CR for Rel-16 38.101-2 to correct the UL configuration for CA\_n258C**

*Type: CR For: Approval  
 38.101-2 v16.14.0 CR-0580 rev Cat: F (Rel-16)  
  
 Source: Xiaomi*

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

[**R4-2301634**](file:///D:\RAN4%23106\Docs\R4-2301634.zip) **CR for Rel-17 38.101-2 to correct the UL configuration for CA\_n258C**

*Type: CR For: Approval  
 38.101-2 v17.8.0 CR-0581 rev Cat: A (Rel-17)  
  
 Source: Xiaomi*

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

[**R4-2301635**](file:///D:\RAN4%23106\Docs\R4-2301635.zip) **CR for Rel-18 38.101-2 to correct the UL configuration for CA\_n258C**

*Type: CR For: Approval  
 38.101-2 v18.0.0 CR-0582 rev Cat: A (Rel-18)  
  
 Source: Xiaomi*

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

**Topic #11: CRs for 38.101-3 (11)**

[**R4-2301169**](file:///D:\RAN4%23106\Docs\R4-2301169.zip) **38101-3 CR on clarification of UE coexistence frequency range (R15)**

*Type: CR For: Agreement  
 38.101-3 v15.20.0 CR-0832 rev Cat: F (Rel-15)  
  
 Source: OPPO; Anritsu; Keysight; Rohde & Schwarz*

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

[**R4-2301170**](file:///D:\RAN4%23106\Docs\R4-2301170.zip) **38101-3 CR on clarification of UE coexistence frequency range (R16)**

*Type: CR For: Agreement  
 38.101-3 v16.14.0 CR-0833 rev Cat: F (Rel-16)  
  
 Source: OPPO; Anritsu; Keysight; Rohde & Schwarz*

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

[**R4-2301376**](file:///D:\RAN4%23106\Docs\R4-2301376.zip) **38101-3 CR on clarification of UE coexistence frequency range (R17 CAT-A)**

*Type: CR For: Agreement  
 38.101-3 v17.8.0 CR-0848 rev Cat: A (Rel-17)  
  
 Source: OPPO; Anritsu; Keysight; Rohde & Schwarz*

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

[**R4-2301377**](file:///D:\RAN4%23106\Docs\R4-2301377.zip) **38101-3 CR on clarification of UE coexistence frequency range (R18 CAT-A)**

*Type: CR For: Agreement  
 38.101-3 v18.0.0 CR-0849 rev Cat: A (Rel-18)  
  
 Source: OPPO; Anritsu; Keysight; Rohde & Schwarz*

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

[**R4-2300330**](file:///D:\RAN4%23106\Docs\R4-2300330.zip) **CR for TS 38.101-3 Rel-16: Introducing missing MSD for harmonic mixing**

*Type: CR For: Approval  
 38.101-3 v16.14.0 CR-0813 rev Cat: F (Rel-16)  
  
 Source: Apple*

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

[**R4-2300331**](file:///D:\RAN4%23106\Docs\R4-2300331.zip) **CR for TS 38.101-3 Rel-17: Introducing missing MSD for harmonic mixing**

*Type: CR For: Approval  
 38.101-3 v17.8.0 CR-0814 rev Cat: A (Rel-17)  
  
 Source: Apple*

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

[**R4-2300332**](file:///D:\RAN4%23106\Docs\R4-2300332.zip) **CR for TS 38.101-3 Rel-18: Introducing missing MSD for harmonic mixing**

*Type: CR For: Approval  
 38.101-3 v18.0.0 CR-0815 rev Cat: A (Rel-18)  
  
 Source: Apple*

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

[**R4-2301154**](file:///D:\RAN4%23106\Docs\R4-2301154.zip) **CR on Harmonic mixing MSD for DC\_8A-n79A (R15)**

*Type: CR For: Agreement  
 38.101-3 v15.20.0 CR-0828 rev Cat: F (Rel-15)  
  
 Source: OPPO*

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

[**R4-2301368**](file:///D:\RAN4%23106\Docs\R4-2301368.zip) **CR on Harmonic mixing MSD for DC\_8A-n79A (R16 CAT-A)**

*Type: CR For: Agreement  
 38.101-3 v16.14.0 CR-0845 rev Cat: A (Rel-16)  
  
 Source: OPPO*

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

[**R4-2301369**](file:///D:\RAN4%23106\Docs\R4-2301369.zip) **CR on Harmonic mixing MSD for DC\_8A-n79A (R17 CAT-A)**

*Type: CR For: Agreement  
 38.101-3 v17.8.0 CR-0846 rev Cat: A (Rel-17)  
  
 Source: OPPO*

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

[**R4-2301370**](file:///D:\RAN4%23106\Docs\R4-2301370.zip) **CR on Harmonic mixing MSD for DC\_8A-n79A (R18 CAT-A)**

*Type: CR For: Agreement  
 38.101-3 v18.0.0 CR-0847 rev Cat: A (Rel-18)  
  
 Source: OPPO*

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

[**R4-2300401**](file:///D:\RAN4%23106\Docs\R4-2300401.zip) **CR to 38.101-3 Corrections to ULSUP-TDM DC configurationsR16**

*Type: CR For: Agreement  
 38.101-3 v16.14.0 CR-0820 rev Cat: F (Rel-16)  
  
 Source: Nokia*

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

[**R4-2300402**](file:///D:\RAN4%23106\Docs\R4-2300402.zip) **CR to 38.101-3 Corrections to ULSUP-TDM DC configurationsR17**

*Type: CR For: Agreement  
 38.101-1 v17.8.0 CR-1310 rev Cat: A (Rel-17)  
  
 Source: Nokia*

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

[**R4-2300403**](file:///D:\RAN4%23106\Docs\R4-2300403.zip) **CR to 38.101-3 Corrections to ULSUP-TDM DC configurationsR18**

*Type: CR For: Agreement  
 38.101-1 v18.0.0 CR-1311 rev Cat: A (Rel-18)  
  
 Source: Nokia*

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

[**R4-2301314**](file:///D:\RAN4%23106\Docs\R4-2301314.zip) **CR to R15 TS38.101-3 maintenance for UE co-ex requirements for UL EN-DC**

*Type: CR For: Agreement  
 38.101-3 v15.20.0 CR-0839 rev Cat: F (Rel-15)  
  
 Source: NTT DOCOMO, INC.*

**Abstract:**

R15 Cat-F CR to correct some errors in the UE co-existence requirements for UL EN-DC. It is based on the intersection set rules, and some combinations operated in Japan are corrected.

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

[**R4-2301315**](file:///D:\RAN4%23106\Docs\R4-2301315.zip) **CR to R16 TS38.101-3 maintenance for UE co-ex requirements for UL EN-DC**

*Type: CR For: Agreement  
 38.101-3 v16.14.0 CR-0840 rev Cat: F (Rel-16)  
  
 Source: NTT DOCOMO, INC.*

**Abstract:**

R16 Cat-F CR to correct some errors in the UE co-existence requirements for UL EN-DC. It is based on the intersection set rules, and some combinations operated in Japan are corrected.

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

[**R4-2301517**](file:///D:\RAN4%23106\Docs\R4-2301517.zip) **Correction on the powerClassNRPart IE**

*Type: CR For: Agreement  
 38.101-3 v16.14.0 CR-0852 rev Cat: F (Rel-16)  
  
 Source: vivo*

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

[**R4-2301518**](file:///D:\RAN4%23106\Docs\R4-2301518.zip) **Correction on the powerClassNRPart and HigherPowerLimitCADC IE**

*Type: CR For: Agreement  
 38.101-3 v17.8.0 CR-0853 rev Cat: F (Rel-17)  
  
 Source: vivo*

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

[**R4-2301519**](file:///D:\RAN4%23106\Docs\R4-2301519.zip) **Correction on the powerClassNRPart and HigherPowerLimitCADC IE**

*Type: CR For: Agreement  
 38.101-3 v18.0.0 CR-0854 rev Cat: A (Rel-18)  
  
 Source: vivo*

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

[**R4-2301550**](file:///D:\RAN4%23106\Docs\R4-2301550.zip) **Clarification on Time mask for Tx switching for NSA**

*Type: CR For: Agreement  
 38.101-3 v16.14.0 CR-0860 rev Cat: F (Rel-16)  
  
 Source: vivo, [Qualcomm], …*

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

[**R4-2301551**](file:///D:\RAN4%23106\Docs\R4-2301551.zip) **Clarification on Time mask for Tx switching for NSA**

*Type: CR For: Agreement  
 38.101-3 v17.8.0 CR-0861 rev Cat: A (Rel-17)  
  
 Source: vivo*

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

[**R4-2301552**](file:///D:\RAN4%23106\Docs\R4-2301552.zip) **Clarification on Time mask for Tx switching for NSA**

*Type: CR For: Agreement  
 38.101-3 v18.0.0 CR-0862 rev Cat: A (Rel-18)  
  
 Source: vivo*

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

[**R4-2302074**](file:///D:\RAN4%23106\Docs\R4-2302074.zip) **CR for TS 38.101-3 to introduce DC\_20\_n28 general description**

*Type: CR For: Agreement  
 38.101-3 v15.20.0 CR-0870 rev Cat: F (Rel-15)  
  
 Source: Huawei, HiSilicon*

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

[**R4-2302075**](file:///D:\RAN4%23106\Docs\R4-2302075.zip) **CR for TS 38.101-3 to introduce DC\_20\_n28 general description(R16)**

*Type: CR For: Agreement  
 38.101-3 v16.14.0 CR-0871 rev Cat: A (Rel-16)  
  
 Source: Huawei, HiSilicon*

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

[**R4-2302076**](file:///D:\RAN4%23106\Docs\R4-2302076.zip) **CR for TS 38.101-3 to introduce DC\_20\_n28 general description(R17)**

*Type: CR For: Agreement  
 38.101-3 v17.8.0 CR-0872 rev Cat: A (Rel-17)  
  
 Source: Huawei, HiSilicon*

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

[**R4-2302077**](file:///D:\RAN4%23106\Docs\R4-2302077.zip) **CR for TS 38.101-3 to introduce DC\_20\_n28 general description(R18)**

*Type: CR For: Agreement  
 38.101-3 v18.0.0 CR-0873 rev Cat: A (Rel-18)  
  
 Source: Huawei, HiSilicon*

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

**Topic #12: CRs for 38.307 (2)**

[**R4-2300404**](file:///D:\RAN4%23106\Docs\R4-2300404.zip) **CR 38.307 Addition of FR2 overlapping bands into Annex-A R15**

*Type: CR For: Agreement  
 38.307 v15.10.0 CR-0113 rev Cat: F (Rel-15)  
  
 Source: Nokia*

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

[**R4-2300405**](file:///D:\RAN4%23106\Docs\R4-2300405.zip) **CR 38.307 Addition of FR2 overlapping bands into Annex-A R16**

*Type: CR For: Agreement  
 38.307 v16.12.0 CR-0114 rev Cat: F (Rel-16)  
  
 Source: Nokia*

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

[**R4-2300406**](file:///D:\RAN4%23106\Docs\R4-2300406.zip) **CR 38.307 Addition of FR2 overlapping bands into Annex-A R17**

*Type: CR For: Agreement  
 38.307 v17.8.0 CR-0115 rev Cat: A (Rel-17)  
  
 Source: Nokia*

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

**Topic #13: CRs for 36.101 (7)**

[**R4-2300340**](file:///D:\RAN4%23106\Docs\R4-2300340.zip) **On issues with edge channels for CA\_NS\_10**

*Type: other For: Approval  
 Source: Apple*

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

CR

[**R4-2302264**](file:///D:\RAN4%23106\Docs\R4-2302264.zip) **CR for TS 36.101 Rel-15: Adding note 44 to B65 for spurious emission requirement**

*Type: CR For: Agreement  
 36.101 v15.20.0 CR-5929 rev Cat: F (Rel-15)  
  
 Source: Sony*

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

[**R4-2302280**](file:///D:\RAN4%23106\Docs\R4-2302280.zip) **CR for TS 36.101 Rel-16: Adding note 44 to B65 for spurious emission requirement**

*Type: CR For: Agreement  
 36.101 v16.15.0 CR-5930 rev Cat: A (Rel-16)  
  
 Source: Sony*

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

[**R4-2302284**](file:///D:\RAN4%23106\Docs\R4-2302284.zip) **CR for TS 36.101 Rel-17: Adding note 44 to B65 for spurious emission requirement**

*Type: CR For: Agreement  
 36.101 v17.8.0 CR-5931 rev Cat: A (Rel-17)  
  
 Source: Sony*

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

[**R4-2302285**](file:///D:\RAN4%23106\Docs\R4-2302285.zip) **CR for TS 36.101 Rel-18: Adding note 44 to B65 for spurious emission requirement**

*Type: CR For: Agreement  
 36.101 v18.0.0 CR-5932 rev Cat: A (Rel-18)  
  
 Source: Sony*

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

[**R4-2300398**](file:///D:\RAN4%23106\Docs\R4-2300398.zip) **LTE interband 2UL CA co-ex simplication R16**

*Type: CR For: Agreement  
 36.101 v16.15.0 CR-5912 rev Cat: F (Rel-16)  
  
 Source: Nokia*

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

[**R4-2300399**](file:///D:\RAN4%23106\Docs\R4-2300399.zip) **LTE interband 2UL CA co-ex simplication R17**

*Type: CR For: Agreement  
 36.101 v17.8.0 CR-5913 rev Cat: F (Rel-17)  
  
 Source: Nokia*

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

[**R4-2300400**](file:///D:\RAN4%23106\Docs\R4-2300400.zip) **LTE interband 2UL CA co-ex simplication R18**

*Type: CR For: Agreement  
 36.101 v18.0.0 CR-5914 rev Cat: F (Rel-18)  
  
 Source: Nokia*

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

[**R4-2300333**](file:///D:\RAN4%23106\Docs\R4-2300333.zip) **CR for TS 36.101 Rel-16 CAT-F: Corrections on CA\_NS\_10**

*Type: CR For: Approval  
 36.101 v16.15.0 CR-5905 rev Cat: F (Rel-16)  
  
 Source: Apple*

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

[**R4-2300334**](file:///D:\RAN4%23106\Docs\R4-2300334.zip) **CR for TS 36.101 Rel-17 CAT-A: Corrections on CA\_NS\_10**

*Type: CR For: Approval  
 36.101 v17.8.0 CR-5906 rev Cat: A (Rel-17)  
  
 Source: Apple*

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

[**R4-2300335**](file:///D:\RAN4%23106\Docs\R4-2300335.zip) **CR for TS 36.101 Rel-18 CAT-A: Corrections on CA\_NS\_10**

*Type: CR For: Approval  
 36.101 v18.0.0 CR-5907 rev Cat: A (Rel-18)  
  
 Source: Apple*

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

[**R4-2300356**](file:///D:\RAN4%23106\Docs\R4-2300356.zip) **CR for TS 36.101: P-Max definition correction for Band 14**

*Type: CR For: Agreement  
 36.101 v15.20.0 CR-5908 rev Cat: F (Rel-15)  
  
 Source: Apple, AT&T*

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

[**R4-2300357**](file:///D:\RAN4%23106\Docs\R4-2300357.zip) **CR for TS 36.101: P-Max definition correction for Band 14**

*Type: CR For: Agreement  
 36.101 v16.15.0 CR-5909 rev Cat: A (Rel-16)  
  
 Source: Apple, AT&T*

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

[**R4-2300358**](file:///D:\RAN4%23106\Docs\R4-2300358.zip) **CR for TS 36.101: P-Max definition correction for Band 14**

*Type: CR For: Agreement  
 36.101 v17.8.0 CR-5910 rev Cat: A (Rel-17)  
  
 Source: Apple, AT&T*

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

[**R4-2300359**](file:///D:\RAN4%23106\Docs\R4-2300359.zip) **CR for TS 36.101: P-Max definition correction for Band 14**

*Type: CR For: Agreement  
 36.101 v18.0.0 CR-5911 rev Cat: A (Rel-18)  
  
 Source: Apple, AT&T*

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

**CRs related to irregular channel bandwidth [123]**

[**R4-2300731**](file:///D:\RAN4%23106\Docs\R4-2300731.zip) **Carrier resource grid mapping to channel raster and use of UE-specific bandwidth**

*Type: CR For: Agreement  
 38.101-1 v15.20.0 CR-1329 rev Cat: F (Rel-15)  
  
 Source: Ericsson, Verizon, China Telecom*

**Abstract:**

CR to clarify carrier resource grid mapping to the channel raster and the configuration of the UE-specific channel bandwidth

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

[**R4-2300732**](file:///D:\RAN4%23106\Docs\R4-2300732.zip) **Carrier resource grid mapping to channel raster and use of UE-specific bandwidth**

*Type: CR For: Agreement  
 38.101-1 v16.14.0 CR-1330 rev Cat: F (Rel-16)  
  
 Source: Ericsson, Verizon, China Telecom*

**Abstract:**

CR to clarify carrier resource grid mapping to the channel raster and the configuration of the UE-specific channel bandwidth. An exceptional raster point for n28 is also added.

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

[**R4-2300733**](file:///D:\RAN4%23106\Docs\R4-2300733.zip) **Carrier resource grid mapping to channel raster and use of UE-specific bandwidth**

*Type: CR For: Agreement  
 38.101-1 v17.8.0 CR-1331 rev Cat: F (Rel-17)  
  
 Source: Ericsson, Verizon, China Telecom*

**Abstract:**

CR to clarify carrier resource grid mapping to the channel raster and the configuration of the UE-specific channel bandwidth including changes for RedCap Rel-17

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

[**R4-2300734**](file:///D:\RAN4%23106\Docs\R4-2300734.zip) **Carrier resource grid mapping to channel raster and use of UE-specific bandwidth**

*Type: CR For: Agreement  
 38.101-1 v18.0.0 CR-1332 rev Cat: A (Rel-18)  
  
 Source: Ericsson, Verizon, China Telecom*

**Abstract:**

CR to clarify carrier resource grid mapping to the channel raster and the configuration of the UE-specific channel bandwidth including changes for RedCap Rel-17

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

[**R4-2300735**](file:///D:\RAN4%23106\Docs\R4-2300735.zip) **Carrier resource grid mapping to channel raster and use of UE-specific bandwidth**

*Type: CR For: Agreement  
 38.101-2 v15.20.0 CR-0541 rev Cat: F (Rel-15)  
  
 Source: Ericsson, Verizon, China Telecom*

**Abstract:**

CR to clarify carrier resource grid mapping to the channel raster and the configuration of the UE-specific channel bandwidth

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

[**R4-2300736**](file:///D:\RAN4%23106\Docs\R4-2300736.zip) **Carrier resource grid mapping to channel raster and use of UE-specific bandwidth**

*Type: CR For: Agreement  
 38.101-2 v16.14.0 CR-0542 rev Cat: A (Rel-16)  
  
 Source: Ericsson, Verizon, China Telecom*

**Abstract:**

CR to clarify carrier resource grid mapping to the channel raster and the configuration of the UE-specific channel bandwidth

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

[**R4-2300737**](file:///D:\RAN4%23106\Docs\R4-2300737.zip) **Carrier resource grid mapping to channel raster and use of UE-specific bandwidth**

*Type: CR For: Agreement  
 38.101-2 v17.8.0 CR-0543 rev Cat: A (Rel-17)  
  
 Source: Ericsson, Verizon, China Telecom*

**Abstract:**

CR to clarify carrier resource grid mapping to the channel raster and the configuration of the UE-specific channel bandwidth

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

[**R4-2300738**](file:///D:\RAN4%23106\Docs\R4-2300738.zip) **Carrier resource grid mapping to channel raster and use of UE-specific bandwidth**

*Type: CR For: Agreement  
 38.101-2 v18.0.0 CR-0544 rev Cat: A (Rel-18)  
  
 Source: Ericsson, Verizon, China Telecom*

**Abstract:**

CR to clarify carrier resource grid mapping to the channel raster and the configuration of the UE-specific channel bandwidth

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

[**R4-2301597**](file:///D:\RAN4%23106\Docs\R4-2301597.zip) **CR to TS 38.101-1 on channel raster to RE mapping (Alt#1)**

*Type: CR For: Approval  
 38.101-1 v15.20.0 CR-1394 rev Cat: F (Rel-15)  
  
 Source: MediaTek Inc.*

**Decision:** The document was **revised to** [**R4-2302547**](file:///D:\RAN4%23106\Docs\R4-2302547.zip).

[**R4-2302547**](file:///D:\RAN4%23106\Docs\R4-2302547.zip) **CR to TS 38.101-1 on channel raster to RE mapping**

*Type: CR For: Approval  
 38.101-1 v15.20.0 CR-1394 rev 1 Cat: F (Rel-15)  
  
 Source: MediaTek*

(Replaces [R4-2301597](file:///D:\RAN4%23106\Docs\R4-2301597.zip))

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

[**R4-2301598**](file:///D:\RAN4%23106\Docs\R4-2301598.zip) **CR to TS 38.101-1 on channel raster to RE mapping (Alt#2)**

*Type: CR For: Approval  
 38.101-1 v15.20.0 CR-1395 rev Cat: F (Rel-15)  
  
 Source: MediaTek Inc.*

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

[**R4-2301599**](file:///D:\RAN4%23106\Docs\R4-2301599.zip) **CR to TS 38.101-1 on channel raster to RE mapping**

*Type: CR For: Approval  
 38.101-1 v16.14.0 CR-1396 rev Cat: A (Rel-16)  
  
 Source: MediaTek Inc.*

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

[**R4-2301600**](file:///D:\RAN4%23106\Docs\R4-2301600.zip) **CR to TS 38.101-1 on channel raster to RE mapping**

*Type: CR For: Approval  
 38.101-1 v17.8.0 CR-1397 rev Cat: A (Rel-17)  
  
 Source: MediaTek Inc.*

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

[**R4-2301601**](file:///D:\RAN4%23106\Docs\R4-2301601.zip) **CR to TS 38.101-2 on channel raster to RE mapping (Alt#1)**

*Type: CR For: Approval  
 38.101-2 v15.20.0 CR-0574 rev Cat: F (Rel-15)  
  
 Source: MediaTek Inc.*

**Decision:** The document was **revised to** [**R4-2302548**](file:///D:\RAN4%23106\Docs\R4-2302548.zip).

[**R4-2302548**](file:///D:\RAN4%23106\Docs\R4-2302548.zip) **CR to TS 38.101-2 on channel raster to RE mapping (Alt#1)**

*Type: CR For: Approval  
 38.101-2 v15.20.0 CR-0574 rev 1 Cat: F (Rel-15)  
  
 Source: MediaTek Inc.*

(Replaces [R4-2301601](file:///D:\RAN4%23106\Docs\R4-2301601.zip))

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

[**R4-2301602**](file:///D:\RAN4%23106\Docs\R4-2301602.zip) **CR to TS 38.101-2 on channel raster to RE mapping (Alt#2)**

*Type: CR For: Approval  
 38.101-2 v15.20.0 CR-0575 rev Cat: F (Rel-15)  
  
 Source: MediaTek Inc.*

**Decision:** The document was **revised to** [**R4-2302550**](file:///D:\RAN4%23106\Docs\R4-2302550.zip).

[**R4-2302550**](file:///D:\RAN4%23106\Docs\R4-2302550.zip) **CR to TS 38.101-2 on channel raster to RE mapping (Alt#2)**

*Type: CR For: Approval  
 38.101-2 v15.20.0 CR-0575 rev 1 Cat: F (Rel-15)  
  
 Source: MediaTek Inc.*

(Replaces [R4-2301602](file:///D:\RAN4%23106\Docs\R4-2301602.zip))

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

[**R4-2301603**](file:///D:\RAN4%23106\Docs\R4-2301603.zip) **CR to TS 38.101-2 on channel raster to RE mapping**

*Type: CR For: Approval  
 38.101-2 v16.14.0 CR-0576 rev Cat: A (Rel-16)  
  
 Source: MediaTek Inc.*

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

[**R4-2301604**](file:///D:\RAN4%23106\Docs\R4-2301604.zip) **CR to TS 38.101-2 on channel raster to RE mapping**

*Type: CR For: Approval  
 38.101-2 v17.8.0 CR-0577 rev Cat: A (Rel-17)  
  
 Source: MediaTek Inc.*

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

**Tdoc which were withdrawns**

[**R4-2301141**](file:///D:\RAN4%23106\Docs\R4-2301141.zip) **CR to clarify duplex mode of SDL bands**

*Type: CR For: Agreement  
 38.101-1 v16.14.0 CR-1357 rev Cat: F (Rel-16)  
  
 Source: Anritsu Limited*

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

[**R4-2301142**](file:///D:\RAN4%23106\Docs\R4-2301142.zip) **CR to clarify duplex mode of SDL bands**

*Type: CR For: Agreement  
 38.101-1 v17.8.0 CR-1358 rev Cat: F (Rel-17)  
  
 Source: Anritsu Limited*

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

[**R4-2301144**](file:///D:\RAN4%23106\Docs\R4-2301144.zip) **CR to add band n29 to blocking requirements**

*Type: CR For: Agreement  
 38.101-1 v16.14.0 CR-1360 rev Cat: F (Rel-16)  
  
 Source: Anritsu Limited*

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

[**R4-2301155**](file:///D:\RAN4%23106\Docs\R4-2301155.zip) **CR on Harmonic mixing MSD for CA\_n8A-n79A (R16 CAT-A)**

*Type: CR For: Agreement  
 38.101-1 v16.14.0 CR-1364 rev Cat: A (Rel-16)  
  
 Source: OPPO*

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

[**R4-2301156**](file:///D:\RAN4%23106\Docs\R4-2301156.zip) **CR on Harmonic mixing MSD for CA\_n8A-n79A (R17 CAT-A)**

*Type: CR For: Agreement  
 38.101-1 v17.8.0 CR-1365 rev Cat: A (Rel-17)  
  
 Source: OPPO*

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

[**R4-2301157**](file:///D:\RAN4%23106\Docs\R4-2301157.zip) **CR on Harmonic mixing MSD for CA\_n8A-n79A (R18 CAT-A)**

*Type: CR For: Agreement  
 38.101-1 v18.0.0 CR-1366 rev Cat: A (Rel-18)  
  
 Source: OPPO*

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

[**R4-2301158**](file:///D:\RAN4%23106\Docs\R4-2301158.zip) **CR on Harmonic mixing MSD for DC\_8A-n79A (R16 CAT-A)**

*Type: CR For: Agreement  
 38.101-3 v16.14.0 CR-0829 rev Cat: A (Rel-16)  
  
 Source: OPPO*

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

[**R4-2301159**](file:///D:\RAN4%23106\Docs\R4-2301159.zip) **CR on Harmonic mixing MSD for DC\_8A-n79A (R17 CAT-A)**

*Type: CR For: Agreement  
 38.101-3 v17.8.0 CR-0830 rev Cat: A (Rel-17)  
  
 Source: OPPO*

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

[**R4-2301160**](file:///D:\RAN4%23106\Docs\R4-2301160.zip) **CR on Harmonic mixing MSD for DC\_8A-n79A (R18 CAT-A)**

*Type: CR For: Agreement  
 38.101-3 v18.0.0 CR-0831 rev Cat: A (Rel-18)  
  
 Source: OPPO*

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

[**R4-2301163**](file:///D:\RAN4%23106\Docs\R4-2301163.zip) **38101-1 CR on clarification of UE coexistence frequency range (R17 CAT-A)**

*Type: CR For: Agreement  
 38.101-1 v17.8.0 CR-1369 rev Cat: A (Rel-17)  
  
 Source: OPPO; Anritsu; Keysight; Rohde & Schwarz*

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

[**R4-2301164**](file:///D:\RAN4%23106\Docs\R4-2301164.zip) **38101-1 CR on clarification of UE coexistence frequency range (R18 CAT-A)**

*Type: CR For: Agreement  
 38.101-1 v18.0.0 CR-1370 rev Cat: A (Rel-18)  
  
 Source: OPPO; Anritsu; Keysight; Rohde & Schwarz*

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

[**R4-2301166**](file:///D:\RAN4%23106\Docs\R4-2301166.zip) **38101-2 CR on clarification of UE coexistence frequency range (R16 CAT-A)**

*Type: CR For: Agreement  
 38.101-2 v16.14.0 CR-0559 rev Cat: A (Rel-16)  
  
 Source: OPPO; Anritsu; Keysight; Rohde & Schwarz*

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

[**R4-2301167**](file:///D:\RAN4%23106\Docs\R4-2301167.zip) **38101-2 CR on clarification of UE coexistence frequency range (R17 CAT-A)**

*Type: CR For: Agreement  
 38.101-2 v17.8.0 CR-0560 rev Cat: A (Rel-17)  
  
 Source: OPPO; Anritsu; Keysight; Rohde & Schwarz*

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

[**R4-2301168**](file:///D:\RAN4%23106\Docs\R4-2301168.zip) **38101-2 CR on clarification of UE coexistence frequency range (R18 CAT-A)**

*Type: CR For: Agreement  
 38.101-2 v18.0.0 CR-0561 rev Cat: A (Rel-18)  
  
 Source: OPPO; Anritsu; Keysight; Rohde & Schwarz*

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

[**R4-2301171**](file:///D:\RAN4%23106\Docs\R4-2301171.zip) **38101-3 CR on clarification of UE coexistence frequency range (R17 CAT-A)**

*Type: CR For: Agreement  
 38.101-3 v17.8.0 CR-0834 rev Cat: A (Rel-17)  
  
 Source: OPPO; Anritsu; Keysight; Rohde & Schwarz*

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

[**R4-2301172**](file:///D:\RAN4%23106\Docs\R4-2301172.zip) **38101-3 CR on clarification of UE coexistence frequency range (R18 CAT-A)**

*Type: CR For: Agreement  
 38.101-3 v18.0.0 CR-0835 rev Cat: A (Rel-18)  
  
 Source: OPPO; Anritsu; Keysight; Rohde & Schwarz*

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

[**R4-2302666**](file:///D:\RAN4%23106\Docs\R4-2302666.zip) **CR to clarify duplex mode of SDL bands**

*Type: CR For: Agreement  
 38.101-1 v16.14.0 CR-1449 rev Cat: F (Rel-16)  
  
 Source: Anritsu Limited*

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

[**R4-2302667**](file:///D:\RAN4%23106\Docs\R4-2302667.zip) **CR to clarify duplex mode of SDL bands**

*Type: CR For: Agreement  
 38.101-1 v17.8.0 CR-1450 rev Cat: F (Rel-17)  
  
 Source: Anritsu Limited*

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

[**R4-2302668**](file:///D:\RAN4%23106\Docs\R4-2302668.zip) **CR to add band n29 to blocking requirements**

*Type: CR For: Agreement  
 38.101-1 v16.14.0 CR-1451 rev Cat: F (Rel-16)  
  
 Source: Anritsu Limited*

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

[**R4-2302675**](file:///D:\RAN4%23106\Docs\R4-2302675.zip) **CR to clarify duplex mode of SDL bands**

*Type: CR For: Agreement  
 38.101-1 v17.8.0 CR-1454 rev Cat: F (Rel-17)  
  
 Source: Anritsu Limited*

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

### 4.2 BS RF requirements and BS conformance testing

### 4.3 UE/BS EMC requirements

### 4.4 RRM requirements

### 4.5 Demodulation and CSI requirements

### 4.6 NR MIMO OTA test methods (38.827)

### 4.7 Moderator summary and conclusions

**[106][101] Upto\_R16\_UERF\_maintenance, AI 4.1 – Jinqiang Xing (OPPO)**

[**R4-2302794**](file:///D:\RAN4%23106\Docs\R4-2302794.zip) **Topic summary for [106][101] Upto\_R16\_UERF\_maintenance**

*Type: other For: Information  
 Source: Moderator (OPPO)*

**Abstract:**

This contribution provides the summary of email discussion and recommended summary.

**Decision: Return to.**

**Discussions of issues and conclusions**

## 5 Rel-17 maintenance for LTE and NR

*For Rel-17 maintenance, at most two CRs per specification per company per lowest AI except for AI 5.1.1, AI 5.1.2 and AI 5.2.8. Contributions shall be limited by existing open issues or critical issues. For AI 5.1.1, AI 5.1.2 and AI 5.2.8, follow the approved guideline, i.e., maximum one discussion paper per WI/TEI topic per company/organization. If the similar changes are proposed for a number of specifications, those CRs will be counted as one CR for the quota. And Cat F and Cat A CRs for the same changes are counted as one CR for the quota. It is not expected to pack maintenance topics of multiple Rel-17 closed WIs into one CR or one discussion paper.*

*The contributions corresponding to incoming LS for Rel-17 are expected to be submitted in AI 10.2.*

*For Rel-17 maintenance, please submit formal CRs. When you reserve the tdoc number, please use the correct WI code rather than simply using TEI and fill the column of “Related WIs” in your reservation spreadsheet. If you submit a CR with TEI as WI code, please inform session chair.*

### 5.1 Rel-17 spectrum related WI maintenance

#### 5.1.1 Bands introduced in Rel-17 and related requirements

**B24/n24**

[**R4-2300062**](file:///D:\RAN4%23106\Docs\R4-2300062.zip) **Updates related to NB1/NB2/M1/M2 support for Band 24/n24**

*Type: CR For: Agreement  
 36.101 v17.8.0 CR-5897 rev Cat: F (Rel-17)  
  
 Source: Ligado Networks, Ericsson*

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

[**R4-2300063**](file:///D:\RAN4%23106\Docs\R4-2300063.zip) **Updates related to NB1/NB2/M1/M2 support for Band 24/n24**

*Type: CR For: Agreement  
 36.101 v18.0.0 CR-5898 rev Cat: A (Rel-18)  
  
 Source: Ligado Networks, Ericsson*

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

[**R4-2300182**](file:///D:\RAN4%23106\Docs\R4-2300182.zip) **Updates Band grouping for NB-IoT operation in Band 24 to include n24**

*Type: CR For: Agreement  
 36.133 v17.8.0 CR-7185 rev Cat: F (Rel-17)  
  
 Source: Ligado Networks*

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

[**R4-2300183**](file:///D:\RAN4%23106\Docs\R4-2300183.zip) **Updates Band grouping for NB-IoT operation in Band 24 to include n24**

*Type: CR For: Agreement  
 36.133 v18.0.0 CR-7186 rev Cat: A (Rel-18)  
  
 Source: Ligado Networks*

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

**CR for TR 38.853/38.852**

[**R4-2300503**](file:///D:\RAN4%23106\Docs\R4-2300503.zip) **Correction to TR 38.853**

*Type: CR For: Agreement  
 38.853 v17.0.0 CR-0001 rev Cat: F (Rel-17)  
  
 Source: Union Inter. Chemins de Fer*

**Abstract:**

Correction of spurious emission requirement to be in line with the TS 38.104 Table 6.6.5.2.3-13

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

[**R4-2300504**](file:///D:\RAN4%23106\Docs\R4-2300504.zip) **Correction to TR 38.852**

*Type: CR For: Agreement  
 38.852 v17.0.0 CR-0001 rev Cat: F (Rel-17)  
  
 Source: Union Inter. Chemins de Fer*

**Abstract:**

Correction of spurious emission requirement to be in line with the TS 38.104 Table 6.6.5.2.3-12

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

**6G lincensed band**

[**R4-2301583**](file:///D:\RAN4%23106\Docs\R4-2301583.zip) **CR to 38.104: BS Conformance, OBUE correction for 6G licensed band**

*Type: CR For: Agreement  
 38.104 v17.8.0 CR-0451 rev Cat: F (Rel-17)  
  
 Source: Keysight Technologies UK Ltd*

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

[**R4-2301584**](file:///D:\RAN4%23106\Docs\R4-2301584.zip) **CR to 38.104: BS Conformance, OBUE correction for 6G licensed band**

*Type: CR For: Agreement  
 38.104 v18.0.0 CR-0452 rev Cat: A (Rel-18)  
  
 Source: Keysight Technologies UK Ltd*

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

[**R4-2301585**](file:///D:\RAN4%23106\Docs\R4-2301585.zip) **CR to 38.141-2: BS Conformance, OBUE correction for 6G licensed band**

*Type: CR For: Agreement  
 38.141-2 v17.8.0 CR-0455 rev Cat: F (Rel-17)  
  
 Source: Keysight Technologies UK Ltd*

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

[**R4-2301586**](file:///D:\RAN4%23106\Docs\R4-2301586.zip) **CR to 38.141-2: BS Conformance, OBUE correction for 6G licensed band**

*Type: CR For: Agreement  
 38.141-2 v18.0.0 CR-0456 rev Cat: A (Rel-18)  
  
 Source: Keysight Technologies UK Ltd*

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

**47GHz**

[**R4-2301663**](file:///D:\RAN4%23106\Docs\R4-2301663.zip) **CR to 38.847: BS Conformance, removal of [] for 47GHz Rx test**

*Type: CR For: Agreement  
 38.847 v17.1.0 CR-0002 rev Cat: F (Rel-17)  
  
 Source: Keysight Technologies UK Ltd*

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

[**R4-2301664**](file:///D:\RAN4%23106\Docs\R4-2301664.zip) **CR to 38.141-2: BS Conformance, removal of [] for 47GHz Rx test**

*Type: CR For: Agreement  
 38.141-2 v17.8.0 CR-0457 rev Cat: F (Rel-17)  
  
 Source: Keysight Technologies UK Ltd*

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

[**R4-2301665**](file:///D:\RAN4%23106\Docs\R4-2301665.zip) **CR to 38.141-2: BS Conformance, removal of [] for 47GHz Rx test**

*Type: CR For: Agreement  
 38.141-2 v18.0.0 CR-0458 rev Cat: A (Rel-18)  
  
 Source: Keysight Technologies UK Ltd*

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

[**R4-2302455**](file:///D:\RAN4%23106\Docs\R4-2302455.zip) **CR to TS 38.141-2: removal of outstanding [] for n262 (47GHz) MU and TT values, Rel-17**

*Type: CR For: Agreement  
 38.141-2 v17.8.0 CR-0468 rev Cat: F (Rel-17)  
  
 Source: Huawei, HiSilicon*

**Abstract:**

Referring to the NR\_47GHz\_band-Perf discussions, it was difficult to reach consensus on the Rx requirements and related MU values. As a compromise, it was concluded that in order to close NR\_47GHz\_band WI it was agreeable to keep those requirements in [],

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

[**R4-2302456**](file:///D:\RAN4%23106\Docs\R4-2302456.zip) **CR to TS 38.141-2: removal of outstanding [] for n262 (47GHz) MU and TT values, Rel-18**

*Type: CR For: Agreement  
 38.141-2 v18.0.0 CR-0469 rev Cat: A (Rel-18)  
  
 Source: Huawei, HiSilicon*

**Abstract:**

Referring to the NR\_47GHz\_band-Perf discussions, it was difficult to reach consensus on the Rx requirements and related MU values. As a compromise, it was concluded that in order to close NR\_47GHz\_band WI it was agreeable to keep those requirements in [],

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

**HPUE PC2/PC1.5**

[**R4-2302141**](file:///D:\RAN4%23106\Docs\R4-2302141.zip) **CR on R17 TS38.101-1 Modification on the PC2 and PC1.5 note on the CA configuration with UL single carrier**

*Type: CR For: Agreement  
 38.101-1 v17.8.0 CR-1419 rev Cat: F (Rel-17)  
  
 Source: Huawei,HiSilicon*

**Abstract:**

Based on the approved WF [R4-2217119](file:///D:\RAN4%23106\Docs\R4-2217119.zip),introduce CA\_n77C with UL PC2 n77 and remove the PC1.5 note on the higher order combinations containing CA\_n77C with UL n77.

**Decision:** The document was **revised to** [**R4-2302327**](file:///D:\RAN4%23106\Docs\R4-2302327.zip).

[**R4-2302327**](file:///D:\RAN4%23106\Docs\R4-2302327.zip) **CR on R17 TS38.101-1 Modification on the PC2 and PC1.5 note on the CA configuration with UL single carrier**

*Type: CR For: Agreement  
 38.101-1 v17.8.0 CR-1419 rev 1 Cat: F (Rel-17)  
  
 Source: Huawei, HiSilicon*

(Replaces [R4-2302141](file:///D:\RAN4%23106\Docs\R4-2302141.zip))

**Abstract:**

Based on the approved WF [R4-2217119](file:///D:\RAN4%23106\Docs\R4-2217119.zip), introduce CA\_n77C with UL PC2 n77 and remove the PC1.5 note on the higher order combinations containing CA\_n77C with UL n77.

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

**MPR for NS\_21**

[**R4-2302306**](file:///D:\RAN4%23106\Docs\R4-2302306.zip) **Additional maximum power reduction for NS\_21 (Rel-17)**

*Type: CR For: Agreement  
 38.101-1 v17.8.0 CR-1426 rev Cat: F (Rel-17)  
  
 Source: Keysight Technologies UK Ltd*

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

[**R4-2302307**](file:///D:\RAN4%23106\Docs\R4-2302307.zip) **Additional maximum power reduction for NS\_21 (Rel-18)**

*Type: CR For: Agreement  
 38.101-1 v18.0.0 CR-1427 rev Cat: A (Rel-18)  
  
 Source: Keysight Technologies UK Ltd*

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

**RRM related (which needs be checked by RRM)**

[**R4-2302617**](file:///D:\RAN4%23106\Docs\R4-2302617.zip) **Correction to FR1 band groups in 38.133**

*Type: CR For: Agreement  
 38.133 v17.8.0 CR-3043 rev Cat: F (Rel-17)  
  
 Source: Ericsson*

**Abstract:**

The CR adds missing band n102 and removing n96 from wrong band group

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

[**R4-2302618**](file:///D:\RAN4%23106\Docs\R4-2302618.zip) **Correction to FR1 band groups in 38.133**

*Type: CR For: Agreement  
 38.133 v18.0.0 CR-3044 rev Cat: A (Rel-18)  
  
 Source: Ericsson*

**Abstract:**

The CR adds missing band n102 and removing n96 from wrong band group

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

[**R4-2302619**](file:///D:\RAN4%23106\Docs\R4-2302619.zip) **Conditions for missing FR2 band and power class for positioning in 38.133**

*Type: CR For: Agreement  
 38.133 v17.8.0 CR-3045 rev Cat: F (Rel-17)  
  
 Source: Ericsson*

**Abstract:**

The CR defines conditions for missing FR2 band n262 and power class 5 for positioning

**Decision:** The document was **revised to** [**R4-2302669**](file:///D:\RAN4%23106\Docs\R4-2302669.zip).

[**R4-2302669**](file:///D:\RAN4%23106\Docs\R4-2302669.zip) **Conditions for missing FR2 band and power class for positioning in 38.133**

*Type: CR For: Agreement  
 38.133 v17.8.0 CR-3045 rev 1 Cat: F (Rel-17)  
  
 Source: Ericsson*

(Replaces [R4-2302619](file:///D:\RAN4%23106\Docs\R4-2302619.zip))

**Abstract:**

The CR defines conditions for missing FR2 band n262 and power class 5 for positioning

**Decision:** The document was **revised to** [**R4-2302673**](file:///D:\RAN4%23106\Docs\R4-2302673.zip).

[**R4-2302673**](file:///D:\RAN4%23106\Docs\R4-2302673.zip) **Conditions for missing FR2 band and power class for positioning in 38.133**

*Type: CR For: Agreement  
 38.133 v17.8.0 CR-3045 rev 2 Cat: F (Rel-17)  
  
 Source: Ericsson*

(Replaces [R4-2302669](file:///D:\RAN4%23106\Docs\R4-2302669.zip))

**Abstract:**

The CR defines conditions for missing FR2 band n262 and power class 5 for positioning

**Decision:** The document was **revised to** [**R4-2302692**](file:///D:\RAN4%23106\Docs\R4-2302692.zip).

[**R4-2302692**](file:///D:\RAN4%23106\Docs\R4-2302692.zip) **Conditions for missing FR2 band and power class for positioning in 38.133**

*Type: CR For: Agreement  
 38.133 v17.8.0 CR-3045 rev 3 Cat: F (Rel-17)  
  
 Source: Ericsson*

(Replaces [R4-2302673](file:///D:\RAN4%23106\Docs\R4-2302673.zip))

**Abstract:**

The CR defines conditions for missing FR2 band n262 and power class 5 for positioning

**Decision:** The document was **revised to** [**R4-2302713**](file:///D:\RAN4%23106\Docs\R4-2302713.zip).

[**R4-2302713**](file:///D:\RAN4%23106\Docs\R4-2302713.zip) **Conditions for missing FR2 band and power class for positioning in 38.133**

*Type: CR For: Agreement  
 38.133 v17.8.0 CR-3045 rev 4 Cat: F (Rel-17)  
  
 Source: Ericsson*

(Replaces [R4-2302692](file:///D:\RAN4%23106\Docs\R4-2302692.zip))

**Abstract:**

The CR defines conditions for missing FR2 band n262 and power class 5 for positioning

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

[**R4-2302620**](file:///D:\RAN4%23106\Docs\R4-2302620.zip) **Conditions for missing FR2 band and power class for positioning in 38.133**

*Type: CR For: Agreement  
 38.133 v18.0.0 CR-3046 rev Cat: A (Rel-18)  
  
 Source: Ericsson*

**Abstract:**

The CR defines conditions for missing FR2 band n262 and power class 5 for positioning

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

#### 5.1.2 NR/LTE/MR-DC basket WIs

**Topic #1: Power class indications and related signalling (treated in [103])**

[**R4-2302277**](file:///D:\RAN4%23106\Docs\R4-2302277.zip) **Power Class indications in TS 38.101-1 and related signaling**

*Type: other For: Approval  
 Source: Qualcomm Inc.*

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

[**R4-2302278**](file:///D:\RAN4%23106\Docs\R4-2302278.zip) **CR to 38.101-1 Rel-17 Cat F for HPUE corrections**

*Type: CR For: Agreement  
 38.101-1 v17.8.0 CR-1420 rev Cat: F (Rel-17)  
  
 Source: Qualcomm Inc.*

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

[**R4-2302279**](file:///D:\RAN4%23106\Docs\R4-2302279.zip) **CR to 38.101-1 Rel-18 Cat A for HPUE corrections**

*Type: CR For: Agreement  
 38.101-1 v18.0.0 CR-1421 rev Cat: A (Rel-18)  
  
 Source: Qualcomm Inc.*

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

**HPUE EN-DC**

[**R4-2300028**](file:///D:\RAN4%23106\Docs\R4-2300028.zip) **CR for 38.101-3 to Identify Applicable HPUE EN-DC Combinations**

*Type: CR For: Agreement  
 38.101-3 v17.8.0 CR-0806 rev Cat: F (Rel-17)  
  
 Source: AT&T, Verizon, T-Mobile USA*

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

[**R4-2300032**](file:///D:\RAN4%23106\Docs\R4-2300032.zip) **CR for 38.101-3 to Identify Applicable HPUE EN-DC Combinations**

*Type: CR For: Agreement  
 38.101-3 v18.0.0 CR-0807 rev Cat: A (Rel-18)  
  
 Source: AT&T, Verizon, T-Mobile USA*

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

[**R4-2302536**](file:///D:\RAN4%23106\Docs\R4-2302536.zip) **CR for clarification on uplink power class 2 support of the EN-DC configurations**

*Type: CR For: Agreement  
 38.101-3 v17.8.0 CR-0882 rev Cat: F (Rel-17)  
  
 Source: CHTTL, NTT DOCOMO, INC., Ericsson, SGS Wireless*

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

[**R4-2302537**](file:///D:\RAN4%23106\Docs\R4-2302537.zip) **CR for clarification on uplink power class 2 support of the EN-DC configurations**

*Type: CR For: Agreement  
 38.101-3 v18.0.0 CR-0883 rev Cat: A (Rel-18)  
  
 Source: CHTTL, NTT DOCOMO, INC., Ericsson, SGS Wireless*

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

**NR CA/DC/EN-DC**

[**R4-2300409**](file:///D:\RAN4%23106\Docs\R4-2300409.zip) **NR CA corrections R17**

*Type: CR For: Agreement  
 38.101-1 v17.8.0 CR-1314 rev Cat: F (Rel-17)  
  
 Source: Nokia*

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

[**R4-2300410**](file:///D:\RAN4%23106\Docs\R4-2300410.zip) **NR CA corrections R18**

*Type: CR For: Agreement  
 38.101-1 v18.0.0 CR-1315 rev Cat: A (Rel-18)  
  
 Source: Nokia*

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

[**R4-2300728**](file:///D:\RAN4%23106\Docs\R4-2300728.zip) **CR to introduce emissions specifications for certain band combinations**

*Type: CR For: Agreement  
 38.101-3 v17.8.0 CR-0821 rev Cat: F (Rel-17)  
  
 Source: Qualcomm Incorporated*

**Abstract:**

CR to add spurious emissions specifications for certain LTE\_V2X band combinations in TS38.101-3\

**(Chair: related to discussion for** [**R4-2300730**](file:///D:\RAN4%23106\Docs\R4-2300730.zip) **in AI 8.15.2)**

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

[**R4-2302437**](file:///D:\RAN4%23106\Docs\R4-2302437.zip) **CR for 38.101-1: Band combination corrections**

*Type: CR For: Agreement  
 38.101-1 v17.8.0 CR-1429 rev Cat: F (Rel-17)  
  
 Source: T-Mobile USA*

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

[**R4-2302438**](file:///D:\RAN4%23106\Docs\R4-2302438.zip) **CR for 38.101-1: Band combination corrections (Rel-18 Cat A)**

*Type: CR For: Agreement  
 38.101-1 v18.0.0 CR-1430 rev Cat: A (Rel-18)  
  
 Source: T-Mobile USA*

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

[**R4-2302558**](file:///D:\RAN4%23106\Docs\R4-2302558.zip) **CR for TS 38.101-3 on corrections to BCS in intra-band EN-DC and inter-band CA configurations**

*Type: CR For: Agreement  
 38.101-3 v17.8.0 CR-0885 rev Cat: F (Rel-17)  
  
 Source: ZTE Corporation*

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

[**R4-2302559**](file:///D:\RAN4%23106\Docs\R4-2302559.zip) **CR for TS 38.101-3 on corrections to BCS in intra-band EN-DC and inter-band CA configurations (R18\_CAT\_A)**

*Type: CR For: Agreement  
 38.101-3 v18.0.0 CR-0886 rev Cat: A (Rel-18)  
  
 Source: ZTE Corporation*

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

**Co-existenance for UL EN-DC**

[**R4-2301316**](file:///D:\RAN4%23106\Docs\R4-2301316.zip) **CR to R17 TS38.101-3 maintenance for UE co-ex requirements for UL EN-DC**

*Type: CR For: Agreement  
 38.101-3 v17.8.0 CR-0841 rev Cat: F (Rel-17)  
  
 Source: NTT DOCOMO, INC.*

**Abstract:**

R17 Cat-F CR to correct some errors in the UE co-existence requirements for UL EN-DC. It is based on the intersection set rules, and some combinations operated in Japan are corrected.

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

[**R4-2301317**](file:///D:\RAN4%23106\Docs\R4-2301317.zip) **CR to R18 TS38.101-3 maintenance for UE co-ex requirements for EN-DC**

*Type: CR For: Agreement  
 38.101-3 v18.0.0 CR-0842 rev Cat: A (Rel-18)  
  
 Source: NTT DOCOMO, INC.*

**Abstract:**

Cat-A CR for R18

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

[**R4-2301318**](file:///D:\RAN4%23106\Docs\R4-2301318.zip) **CR to R17 TS38.101-3 modification of MSD test point for DC\_21\_n28-n79**

*Type: CR For: Agreement  
 38.101-3 v17.8.0 CR-0843 rev Cat: F (Rel-17)  
  
 Source: NTT DOCOMO, INC.*

**Abstract:**

R17 Cat-F CR to modify the MSD test point for DC\_21A\_n28A-n79A to set within the restricted frequency range.

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

[**R4-2301319**](file:///D:\RAN4%23106\Docs\R4-2301319.zip) **CR to R18 TS38.101-3 modification of MSD test point for DC\_21\_n28-n79**

*Type: CR For: Agreement  
 38.101-3 v18.0.0 CR-0844 rev Cat: A (Rel-18)  
  
 Source: NTT DOCOMO, INC.*

**Abstract:**

Cat-A CR for R18

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

**Delta-MPR**

[**R4-2302068**](file:///D:\RAN4%23106\Docs\R4-2302068.zip) **CR for TS 38.101-1 to correct the delta MPR**

*Type: CR For: Agreement  
 38.101-1 v17.8.0 CR-1406 rev Cat: F (Rel-17)  
  
 Source: Huawei, HiSilicon*

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

[**R4-2302069**](file:///D:\RAN4%23106\Docs\R4-2302069.zip) **CR for TS 38.101-1 to correct the delta MPR (R18)**

*Type: CR For: Agreement  
 38.101-1 v18.0.0 CR-1407 rev Cat: A (Rel-18)  
  
 Source: Huawei, HiSilicon*

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

**Triple-beat and Scell MSD**

[**R4-2302757**](file:///D:\RAN4%23106\Docs\R4-2302757.zip) **CR to TS 38.101-3 Rel-17 Introduction of triple-beat and Scell MSD**

*Type: CR For: Agreement  
 38.101-3 v17.8.0 CR-0895 rev Cat: F (Rel-17)  
  
 Source: Skyworks Solutions Inc.*

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

[**R4-2302756**](file:///D:\RAN4%23106\Docs\R4-2302756.zip) **CR to TS 38.101-3 Rel-18 Introduction of triple-beat and Scell MSD**

*Type: CR For: Agreement  
 38.101-3 v18.0.0 CR-0894 rev Cat: F (Rel-18)  
  
 Source: Skyworks Solutions, Inc.*

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

**V2X**

[**R4-2300726**](file:///D:\RAN4%23106\Docs\R4-2300726.zip) **CR to introduce emissions specifications for certain LTE\_V2X band combinations**

*Type: CR For: Agreement  
 38.101-1 v17.8.0 CR-1327 rev Cat: F (Rel-17)  
  
 Source: Qualcomm Incorporated*

**Abstract:**

CR to add spurious emissions specifications for certain LTE\_V2X band combinations in TS38.101-1

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

[**R4-2300727**](file:///D:\RAN4%23106\Docs\R4-2300727.zip) **CR to introduce emissions specifications for certain LTE\_V2X band combinations**

*Type: CR For: Agreement  
 38.101-1 v18.0.0 CR-1328 rev Cat: F (Rel-18)  
  
 Source: Qualcomm Incorporated*

**Abstract:**

This is a mirror CR to add spurious emissions specifications for certain LTE\_V2X band combinations in TS38.101-1

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

[**R4-2300729**](file:///D:\RAN4%23106\Docs\R4-2300729.zip) **CR to introduce emissions specifications for certain LTE\_V2X band combinations**

*Type: CR For: Agreement  
 38.101-3 v18.0.0 CR-0822 rev Cat: F (Rel-18)  
  
 Source: Qualcomm Incorporated*

**Abstract:**

This is a mirror CR to add spurious emissions specifications for certain LTE\_V2X band combinations in TS38.101-3

**(Chair: Cat seems wrong)**

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

[**R4-2302556**](file:///D:\RAN4%23106\Docs\R4-2302556.zip) **CR for TS 38.101-1 on cleanups for V2X operating bands and channel bandwidth**

*Type: CR For: Agreement  
 38.101-1 v17.8.0 CR-1440 rev Cat: F (Rel-17)  
  
 Source: ZTE Corporation*

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

[**R4-2302557**](file:///D:\RAN4%23106\Docs\R4-2302557.zip) **CR for TS 38.101-1 on cleanups for V2X operating bands and channel bandwidth (R18\_CAT\_A)**

*Type: CR For: Agreement  
 38.101-1 v18.0.0 CR-1441 rev Cat: A (Rel-18)  
  
 Source: ZTE Corporation*

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

#### 5.1.3 Others

**Topic #2: NS\_50 PC2 A-MPR**

[**R4-2300724**](file:///D:\RAN4%23106\Docs\R4-2300724.zip) **Aligning NS\_50 PC2 A-MPR with PC3**

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

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

[**R4-2300725**](file:///D:\RAN4%23106\Docs\R4-2300725.zip) **CR to update NS\_50 PC2 A-MPR**

*Type: CR For: Agreement  
 38.101-1 v17.8.0 CR-1326 rev Cat: F (Rel-17)  
  
 Source: Huawei, HiSilicon*

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

**A-MPR for NS\_24**

[**R4-2300411**](file:///D:\RAN4%23106\Docs\R4-2300411.zip) **CR 38.101-1 correction to A-MPR for NS\_24 R17**

*Type: CR For: Agreement  
 38.101-1 v17.8.0 CR-1316 rev Cat: F (Rel-17)  
  
 Source: Nokia, Qualcomm Inc*

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

[**R4-2300412**](file:///D:\RAN4%23106\Docs\R4-2300412.zip) **CR 38.101-1 correction to A-MPR for NS\_24 R18**

*Type: CR For: Agreement  
 38.101-1 v18.0.0 CR-1317 rev Cat: A (Rel-18)  
  
 Source: Nokia, Qualcomm Inc*

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

**CA/EN-DC**

[**R4-2302203**](file:///D:\RAN4%23106\Docs\R4-2302203.zip) **CR for corrections on Rel-17 band combinations in TS36.101**

*Type: CR For: (not specified)  
 36.101 v17.8.0 CR-5927 rev Cat: F (Rel-17)  
  
 Source: Google Inc.*

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

[**R4-2302204**](file:///D:\RAN4%23106\Docs\R4-2302204.zip) **CR for corrections on Rel-18 band combinations in TS36.101**

*Type: CR For: (not specified)  
 36.101 v18.0.0 CR-5928 rev Cat: A (Rel-18)  
  
 Source: Google Inc.*

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

[**R4-2302221**](file:///D:\RAN4%23106\Docs\R4-2302221.zip) **CR for corrections on Rel-17 inter-band CA band combinations in TS38.101-3**

*Type: CR For: (not specified)  
 38.101-3 v17.8.0 CR-0877 rev Cat: F (Rel-17)  
  
 Source: Google Inc.*

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

[**R4-2302222**](file:///D:\RAN4%23106\Docs\R4-2302222.zip) **CR for corrections on Rel-17 inter-band EN-DC band combination in TS38.101-3**

*Type: CR For: (not specified)  
 38.101-3 v17.8.0 CR-0878 rev Cat: F (Rel-17)  
  
 Source: Google Inc.*

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

[**R4-2302223**](file:///D:\RAN4%23106\Docs\R4-2302223.zip) **CR for corrections on Rel-18 inter-band EN-DC band combination in TS38.101-3**

*Type: CR For: (not specified)  
 38.101-3 v18.0.0 CR-0879 rev Cat: A (Rel-18)  
  
 Source: Google Inc.*

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

**MU values for OBW (checked by BS session)**

[**R4-2301903**](file:///D:\RAN4%23106\Docs\R4-2301903.zip) **CR to 38.141-1: MU values for OBW requirements (Rel-17)**

*Type: CR For: Agreement  
 38.141-1 v17.8.0 CR-0316 rev Cat: F (Rel-17)  
  
 Source: NEC*

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

[**R4-2301904**](file:///D:\RAN4%23106\Docs\R4-2301904.zip) **CR to 38.141-1: MU values for OBW requirements (Rel-18)**

*Type: CR For: Agreement  
 38.141-1 v18.0.0 CR-0317 rev Cat: A (Rel-18)  
  
 Source: NEC*

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

[**R4-2301905**](file:///D:\RAN4%23106\Docs\R4-2301905.zip) **CR to 38.141-2: MU values for OBW requirements (Rel-17)**

*Type: CR For: Agreement  
 38.141-2 v17.8.0 CR-0462 rev Cat: F (Rel-17)  
  
 Source: NEC*

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

[**R4-2301906**](file:///D:\RAN4%23106\Docs\R4-2301906.zip) **CR to 38.141-2: MU values for OBW requirements (Rel-18)**

*Type: CR For: Agreement  
 38.141-2 v18.0.0 CR-0463 rev Cat: A (Rel-18)  
  
 Source: NEC*

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

### 5.2 Rel-17 non-spectrum related WI maintenance

#### 5.2.1 NR repeater

#### 5.2.2 MIMO OTA and FR1 TRP TRS requirements

#### 5.2.3 Further enhancements on MIMO for NR

#### 5.2.4 NR coverage enhancements

##### 5.2.4.1 UE RF requirements

**Sub-topic 2-2: CA/DC core requirements maintenance**

[**R4-2300348**](file:///D:\RAN4%23106\Docs\R4-2300348.zip) **Draft CR to TS38.101-1 on corrections for DMRS bundling with Tx Switching**

*Type: draftCR For: Endorsement  
 38.101-1 v17.8.0 CR- rev Cat: F (Rel-17)  
  
 Source: Apple*

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

##### 5.2.4.2 BS demodulation requirements

#### 5.2.5 Support of reduced capability NR devices

##### 5.2.5.1 UE RF requirements

[**R4-2301846**](file:///D:\RAN4%23106\Docs\R4-2301846.zip) **Discussion on applicability of requirements for RedCap UE**

*Type: discussion For: Discussion  
 Source: Nokia, Nokia Shanghai Bell*

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

**LS**

[**R4-2302089**](file:///D:\RAN4%23106\Docs\R4-2302089.zip) **Clarification on RedCap UE LS from RAN5**

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

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

[**R4-2302090**](file:///D:\RAN4%23106\Docs\R4-2302090.zip) **Replied LS on applicability of requirements for RedCap UE**

*Type: LS out For: Approval  
 to RAN5  
 Source: Huawei, HiSilicon*

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

[**R4-2302270**](file:///D:\RAN4%23106\Docs\R4-2302270.zip) **Draft reply LS on applicability of requirements for RedCap UE**

*Type: other For: Approval  
 Source: Qualcomm Inc.*

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

[**R4-2302404**](file:///D:\RAN4%23106\Docs\R4-2302404.zip) **Reply LS on applicability of requirements for RedCap UE**

*Type: other For: Approval  
 Source: Ericsson*

**Abstract:**

In this paper, the questions in by RAN5 is discussed and proposal of LS is followed.

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

**CR**

[**R4-2302329**](file:///D:\RAN4%23106\Docs\R4-2302329.zip) **CR to TS38.101-2 on including Redcap descriptions for FR2 general receiver characteristics**

*Type: CR For: Agreement  
 38.101-2 v17.8.0 CR-0587 rev Cat: D (Rel-17)  
  
 Source: China Unicom*

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

[**R4-2302533**](file:///D:\RAN4%23106\Docs\R4-2302533.zip) **CR for clarification on applicability of RedCap FR1 Tx requirements**

*Type: CR For: Agreement  
 38.101-1 v17.8.0 CR-1437 rev Cat: F (Rel-17)  
  
 Source: CHTTL*

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

[**R4-2302534**](file:///D:\RAN4%23106\Docs\R4-2302534.zip) **CR for clarification on applicability of RedCap FR1 Tx requirements**

*Type: CR For: Agreement  
 38.101-1 v18.0.0 CR-1438 rev Cat: A (Rel-18)  
  
 Source: CHTTL*

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

##### 5.2.5.2 RRM core requirements

##### 5.2.5.3 RRM performance requirements

##### 5.2.5.4 UE demodulation and CSI requirements

#### 5.2.6 Enhanced IIoT and URLLC support

#### 5.2.7 NR small data transmissions in INACTIVE state

#### 5.2.8 Other NR/LTE WIs

[**R4-2301699**](file:///D:\RAN4%23106\Docs\R4-2301699.zip) **Correction on SRS configurations for SRS antenna switching test cases in R17**

*Type: CR For: Agreement  
 38.133 v17.8.0 CR-2907 rev Cat: F (Rel-17)  
  
 Source: vivo*

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

[**R4-2301700**](file:///D:\RAN4%23106\Docs\R4-2301700.zip) **Correction on SRS configurations for SRS antenna switching test cases in R18**

*Type: CR For: Agreement  
 38.133 v18.0.0 CR-2908 rev Cat: A (Rel-18)  
  
 Source: vivo*

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

##### 5.2.8.1 BS RF requirements

##### 5.2.8.2 UE RF requirements

**Sub-topic#1-1 maximum aggregated bandwidth for FR1 CA**

[**R4-2300038**](file:///D:\RAN4%23106\Docs\R4-2300038.zip) **Maximum aggregated BW for intra-band CA and for inter-band CA for FR1**

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

**Abstract:**

Discuss how to handle maximum aggregated BW based on an approved WF of [R4-2220819](file:///D:\RAN4%23106\Docs\R4-2220819.zip) as well as a RAN2 LS of [R4-2300017](file:///D:\RAN4%23106\Docs\R4-2300017.zip).

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

[**R4-2301593**](file:///D:\RAN4%23106\Docs\R4-2301593.zip) **Further discussion on new IEs for maximum aggregated bandwidth for inter-band CA for FR1**

*Type: discussion For: Decision  
 Source: MediaTek Inc.*

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

[**R4-2301924**](file:///D:\RAN4%23106\Docs\R4-2301924.zip) **Maximum aggregated channel bandwidth for FR1 CA**

*Type: other For: Approval  
 Source: Qualcomm, Verizon*

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

[**R4-2302549**](file:///D:\RAN4%23106\Docs\R4-2302549.zip) **Views on the maximum aggregated channel bandwidth capability signalling for FR1 CA for BCS5**

*Type: discussion For: Discussion  
 Source: Intel Corporation*

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

**Sub-topic 1-2: UE capability IE for Intra-NC CA gap class**

[**R4-2300148**](file:///D:\RAN4%23106\Docs\R4-2300148.zip) **Correction of UE capability IE for Intra-NC CA gap class (R17)**

*Type: CR For: Agreement  
 38.101-1 v17.8.0 CR-1283 rev Cat: F (Rel-17)  
  
 Source: SoftBank Corp.*

**Abstract:**

The referenced IE is corrected.

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

[**R4-2300149**](file:///D:\RAN4%23106\Docs\R4-2300149.zip) **Correction of UE capability IE for Intra-NC CA gap class(R18)**

*Type: CR For: Agreement  
 38.101-1 v18.0.0 CR-1284 rev Cat: A (Rel-18)  
  
 Source: SoftBank Corp.*

**Abstract:**

Mirror of R17 CR

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

**Sub-topic 1-3: FR2 new CA bandwidth class**

[**R4-2300366**](file:///D:\RAN4%23106\Docs\R4-2300366.zip) **Signaling for FR2 new CA BW classes**

*Type: other For: Approval  
 Source: Apple*

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

[**R4-2300367**](file:///D:\RAN4%23106\Docs\R4-2300367.zip) **LS on signaling for FR2 FBG5 CA BW classes**

*Type: LS out For: Approval  
 to RAN2  
 Source: Apple*

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

**Sub-topic 1-4: DC location reporting**

[**R4-2300368**](file:///D:\RAN4%23106\Docs\R4-2300368.zip) **Rel-17 DC location signaling enhancement**

*Type: other For: Approval  
 Source: Apple*

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

[**R4-2300369**](file:///D:\RAN4%23106\Docs\R4-2300369.zip) **LS on Rel-17 DC location signaling enhancement**

*Type: LS out For: Approval  
 to RAN2  
 Source: Apple*

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

CR

[**R4-2300712**](file:///D:\RAN4%23106\Docs\R4-2300712.zip) **CR on FR1 CA DC-location reporting**

*Type: CR For: Approval  
 38.101-1 v17.8.0 CR-1325 rev Cat: F (Rel-17)  
  
 Source: Qualcomm, Oppo, Huawei*

**Abstract:**

Removing ambiguity

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

[**R4-2300713**](file:///D:\RAN4%23106\Docs\R4-2300713.zip) **CR on FR2 CA DC-location reporting**

*Type: CR For: Approval  
 38.101-2 v17.8.0 CR-0540 rev Cat: F (Rel-17)  
  
 Source: Qualcomm, Oppo, Huawei*

**Abstract:**

Correcttion of errors, removing ambiguity

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

**Sub-topic 1-5: miscellaneous**

[**R4-2300261**](file:///D:\RAN4%23106\Docs\R4-2300261.zip) **CR on updating the name of UE capability for UL gap**

*Type: CR For: Agreement  
 38.101-2 v17.8.0 CR-0531 rev Cat: F (Rel-17)  
  
 Source: Apple, Qualcomm*

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

[**R4-2300262**](file:///D:\RAN4%23106\Docs\R4-2300262.zip) **CR on updating the name of UE capability for UL gap**

*Type: CR For: Agreement  
 38.101-2 v18.0.0 CR-0532 rev Cat: A (Rel-18)  
  
 Source: Apple, Qualcomm*

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

[**R4-2301248**](file:///D:\RAN4%23106\Docs\R4-2301248.zip) **Correction on the HigherPowerLimitCADC IE name**

*Type: CR For: Agreement  
 38.101-3 v17.8.0 CR-0836 rev Cat: F (Rel-17)  
  
 Source: ZTE Corporation*

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

[**R4-2301249**](file:///D:\RAN4%23106\Docs\R4-2301249.zip) **Correction on the HigherPowerLimitCADC IE name**

*Type: CR For: Agreement  
 38.101-3 v18.0.0 CR-0837 rev Cat: A (Rel-18)  
  
 Source: ZTE Corporation*

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

**Sub-topic 2-1: co-existence requirements and spectrum emission mask for a single band**

[**R4-2300308**](file:///D:\RAN4%23106\Docs\R4-2300308.zip) **36.101 Rel17 CAT-F: Correction to co-existence requirements of band n8 and n100**

*Type: CR For: Approval  
 36.101 v17.8.0 CR-5901 rev Cat: F (Rel-17)  
  
 Source: Apple*

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

[**R4-2300309**](file:///D:\RAN4%23106\Docs\R4-2300309.zip) **36.101 Rel18 CAT-A: Correction to co-existence requirements of band n8 and n100**

*Type: CR For: Approval  
 36.101 v18.0.0 CR-5902 rev Cat: A (Rel-18)  
  
 Source: Apple*

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

[**R4-2300312**](file:///D:\RAN4%23106\Docs\R4-2300312.zip) **TS 38.101-1 Rel-17 CAT-F: Correction to co-existence requirements of band n8 and n100**

*Type: CR For: Approval  
 38.101-1 v17.8.0 CR-1297 rev Cat: F (Rel-17)  
  
 Source: Apple*

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

[**R4-2300313**](file:///D:\RAN4%23106\Docs\R4-2300313.zip) **TS 38.101-1 Rel-18 CAT-A: Correction to co-existence requirements of band n8 and n100**

*Type: CR For: Approval  
 38.101-1 v18.0.0 CR-1298 rev Cat: A (Rel-18)  
  
 Source: Apple*

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

[**R4-2300314**](file:///D:\RAN4%23106\Docs\R4-2300314.zip) **TS 38.101-3 Rel-17 CAT-F: Correction to co-existence requirements of band n8 and n100**

*Type: CR For: Approval  
 38.101-3 v17.8.0 CR-0809 rev Cat: F (Rel-17)  
  
 Source: Apple*

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

[**R4-2300315**](file:///D:\RAN4%23106\Docs\R4-2300315.zip) **TS 38.101-3 Rel-18 CAT-A: Correction to co-existence requirements of band n8 and n100**

*Type: CR For: Approval  
 38.101-3 v18.0.0 CR-0810 rev Cat: A (Rel-18)  
  
 Source: Apple*

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

[**R4-2300322**](file:///D:\RAN4%23106\Docs\R4-2300322.zip) **CR for TS 38.101-1 Rel-17 CAT-F: Correction to NRU spectrum emission mask**

*Type: CR For: Approval  
 38.101-1 v17.8.0 CR-1301 rev Cat: F (Rel-17)  
  
 Source: Apple*

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

[**R4-2300323**](file:///D:\RAN4%23106\Docs\R4-2300323.zip) **CR for TS 38.101-1 Rel-18 CAT-A: Correction to NRU spectrum emission mask**

*Type: CR For: Approval  
 38.101-1 v18.0.0 CR-1302 rev Cat: A (Rel-18)  
  
 Source: Apple*

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

[**R4-2301717**](file:///D:\RAN4%23106\Docs\R4-2301717.zip) **Draft CR for UE coexistence correction-r17-F**

*Type: draftCR For: Endorsement  
 38.101-1 v17.8.0 CR- rev Cat: (Rel-17)  
  
 Source: MediaTek Inc.*

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

[**R4-2301718**](file:///D:\RAN4%23106\Docs\R4-2301718.zip) **Draft CR for UE coexistence correction-r18-A**

*Type: draftCR For: Endorsement  
 38.101-1 v18.0.0 CR- rev Cat: (Rel-18)  
  
 Source: MediaTek Inc.*

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

**Sub-topic 2-2: CA/DC core requirements maintenance**

[**R4-2300310**](file:///D:\RAN4%23106\Docs\R4-2300310.zip) **CR for TS 38.101-1 Rel-17: Adding missing harmonic mixing MSD for CA\_n25-n71**

*Type: CR For: Approval  
 38.101-1 v17.8.0 CR-1295 rev Cat: F (Rel-17)  
  
 Source: Apple*

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

[**R4-2300311**](file:///D:\RAN4%23106\Docs\R4-2300311.zip) **CR for TS 38.101-1 Rel-18: Adding missing harmonic mixing MSD for CA\_n25-n71**

*Type: CR For: Approval  
 38.101-1 v18.0.0 CR-1296 rev Cat: A (Rel-18)  
  
 Source: Apple*

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

[**R4-2300316**](file:///D:\RAN4%23106\Docs\R4-2300316.zip) **CR for TS 36.101 Rel-17 CAT-F: Corrections on band combinations for UE co-existence**

*Type: CR For: Approval  
 36.101 v17.8.0 CR-5903 rev Cat: F (Rel-17)  
  
 Source: Apple*

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

[**R4-2300317**](file:///D:\RAN4%23106\Docs\R4-2300317.zip) **CR for TS 36.101 Rel-18 CAT-A: Corrections on band combinations for UE co-existence**

*Type: CR For: Approval  
 36.101 v18.0.0 CR-5904 rev Cat: A (Rel-18)  
  
 Source: Apple*

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

[**R4-2300318**](file:///D:\RAN4%23106\Docs\R4-2300318.zip) **CR for TS 38.101-1 Rel-17 CAT-F: Corrections on band combinations for UE co-existence**

*Type: CR For: Approval  
 38.101-1 v17.8.0 CR-1299 rev Cat: F (Rel-17)  
  
 Source: Apple*

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

[**R4-2300319**](file:///D:\RAN4%23106\Docs\R4-2300319.zip) **CR for TS 38.101-1 Rel-18 CAT-A: Corrections on band combinations for UE co-existence**

*Type: CR For: Approval  
 38.101-1 v18.0.0 CR-1300 rev Cat: A (Rel-18)  
  
 Source: Apple*

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

[**R4-2300320**](file:///D:\RAN4%23106\Docs\R4-2300320.zip) **CR for TS 38.101-3 Rel-17 CAT-F: Corrections on band combinations for UE co-existence**

*Type: CR For: Approval  
 38.101-3 v17.8.0 CR-0811 rev Cat: F (Rel-17)  
  
 Source: Apple*

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

[**R4-2300321**](file:///D:\RAN4%23106\Docs\R4-2300321.zip) **CR for TS 38.101-3 Rel-18 CAT-A: Corrections on band combinations for UE co-existence**

*Type: CR For: Approval  
 38.101-3 v18.0.0 CR-0812 rev Cat: A (Rel-18)  
  
 Source: Apple*

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

[**R4-2301102**](file:///D:\RAN4%23106\Docs\R4-2301102.zip) **CR to 38.101-1: Corrections on A-MPR for CA\_NC\_NS\_04**

*Type: CR For: Agreement  
 38.101-1 v17.8.0 CR-1347 rev Cat: F (Rel-17)  
  
 Source: Xiaomi*

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

[**R4-2301320**](file:///D:\RAN4%23106\Docs\R4-2301320.zip) **CR to 38.101-1 R18 corrections on A-MPR for CA\_NC\_NS\_04**

*Type: CR For: Agreement  
 38.101-1 v18.0.0 CR-1378 rev Cat: A (Rel-18)  
  
 Source: Xiaomi*

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

**Sub-topic 2-4: maintenance for power class (with** [**R4-2302277**](file:///D:\RAN4%23106\Docs\R4-2302277.zip)**,** [**R4-2302278**](file:///D:\RAN4%23106\Docs\R4-2302278.zip)**,**

[**R4-2300823**](file:///D:\RAN4%23106\Docs\R4-2300823.zip) **Corrections to the section 6.2D**

*Type: other For: Approval  
 38.101-1 v CR- rev Cat: (Rel-17)  
  
 Source: Qualcomm Incorporated*

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

CR

[**R4-2300746**](file:///D:\RAN4%23106\Docs\R4-2300746.zip) **Correction to UE power classes for CA configurations for HPUE**

*Type: CR For: Agreement  
 38.101-1 v17.8.0 CR-1335 rev Cat: F (Rel-17)  
  
 Source: Ericsson*

**Abstract:**

CR to correct the inconsistence between CA power class requirements in clause 5.5A and 6.2A and amendment of requirements in 6.2A

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

[**R4-2300747**](file:///D:\RAN4%23106\Docs\R4-2300747.zip) **Correction to UE power classes for CA configurations for HPUE**

*Type: CR For: Agreement  
 38.101-1 v18.0.0 CR-1336 rev Cat: A (Rel-18)  
  
 Source: Ericsson*

**Abstract:**

CR to correct the inconsistence between CA power class requirements in clause 5.5A and 6.2A and amendment of requirements in 6.2A

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

[**R4-2300824**](file:///D:\RAN4%23106\Docs\R4-2300824.zip) **CR for 38.101-1 Corrections to the section 6.2D**

*Type: CR For: Agreement  
 38.101-1 v17.8.0 CR-1340 rev Cat: F (Rel-17)  
  
 Source: Qualcomm Incorporated*

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

[**R4-2300825**](file:///D:\RAN4%23106\Docs\R4-2300825.zip) **CR for 38.101-1 Corrections to the section 6.2D**

*Type: CR For: Agreement  
 38.101-1 v18.0.0 CR-1341 rev Cat: A (Rel-18)  
  
 Source: Qualcomm Incorporated*

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

[**R4-2302439**](file:///D:\RAN4%23106\Docs\R4-2302439.zip) **CR for 38.101-1: Clarification of PC1.5 requirements**

*Type: CR For: Agreement  
 38.101-1 v17.8.0 CR-1431 rev Cat: F (Rel-17)  
  
 Source: T-Mobile USA*

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

[**R4-2302440**](file:///D:\RAN4%23106\Docs\R4-2302440.zip) **CR for 38.101-1: Clarification of PC1.5 requirements (Rel-18 Cat A)**

*Type: CR For: Agreement  
 38.101-1 v18.0.0 CR-1432 rev Cat: A (Rel-18)  
  
 Source: T-Mobile USA*

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

[**R4-2301113**](file:///D:\RAN4%23106\Docs\R4-2301113.zip) **Rel17 Cat F CR Introduce the missing Pcmax tolerance requirement for PC2 intra-band NC UL CA**

*Type: CR For: Agreement  
 38.101-1 v17.8.0 CR-1349 rev Cat: F (Rel-17)  
  
 Source: Samsung, Huawei*

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

[**R4-2301114**](file:///D:\RAN4%23106\Docs\R4-2301114.zip) **Rel18 Cat A CR Introduce the missing Pcmax tolerance requirement for PC2 intra-band NC UL CA**

*Type: CR For: Agreement  
 38.101-1 v18.0.0 CR-1350 rev Cat: A (Rel-18)  
  
 Source: Samsung, Huawei*

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

[**R4-2301115**](file:///D:\RAN4%23106\Docs\R4-2301115.zip) **Rel17 Cat F CR Add verification clarification for OOB emission and SE emission for intra-band NC UL CA**

*Type: CR For: Agreement  
 38.101-1 v17.8.0 CR-1351 rev Cat: F (Rel-17)  
  
 Source: Samsung, Huawei*

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

[**R4-2301116**](file:///D:\RAN4%23106\Docs\R4-2301116.zip) **Rel18 Cat A CR Add verification clarification for OOB emission and SE emission for intra-band NC UL CA**

*Type: CR For: Agreement  
 38.101-1 v18.0.0 CR-1352 rev Cat: A (Rel-18)  
  
 Source: Samsung, Huawei*

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

[**R4-2301240**](file:///D:\RAN4%23106\Docs\R4-2301240.zip) **Correct the Pcmax for intra-band non-contiguous CA to support HPUE**

*Type: CR For: Agreement  
 38.101-1 v17.8.0 CR-1374 rev Cat: F (Rel-17)  
  
 Source: ZTE Corporation*

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

[**R4-2301241**](file:///D:\RAN4%23106\Docs\R4-2301241.zip) **Correct the Pcmax for intra-band non-contiguous CA to support HPUE**

*Type: CR For: Agreement  
 38.101-1 v18.0.0 CR-1375 rev Cat: A (Rel-18)  
  
 Source: ZTE Corporation*

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

[**R4-2301246**](file:///D:\RAN4%23106\Docs\R4-2301246.zip) **Apply NOTE1 for n263 intra-band CA**

*Type: CR For: Agreement  
 38.101-2 v17.8.0 CR-0566 rev Cat: F (Rel-17)  
  
 Source: ZTE Corporation*

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

[**R4-2301247**](file:///D:\RAN4%23106\Docs\R4-2301247.zip) **Apply NOTE1 for n263 intra-band CA**

*Type: CR For: Agreement  
 38.101-2 v18.0.0 CR-0567 rev Cat: A (Rel-18)  
  
 Source: ZTE Corporation*

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

**Sub-topic 2-5: V2X/Sidelink**

[**R4-2300939**](file:///D:\RAN4%23106\Docs\R4-2300939.zip) **CR for TS 38.101-1, Correction of minor errors in suffix E (NR V2X/Sidelink) requirements**

*Type: CR For: Approval  
 38.101-1 v17.8.0 CR-1343 rev Cat: F (Rel-17)  
  
 Source: LG Electronics*

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

[**R4-2300208**](file:///D:\RAN4%23106\Docs\R4-2300208.zip) **CR TS 38.101-1: Correction on NR V2X requirements in Rel-17**

*Type: CR For: Agreement  
 38.101-1 v17.8.0 CR-1288 rev Cat: F (Rel-17)  
  
 Source: Meta Ireland*

**Abstract:**

In NR V2X RF requirements, the uplink terminology is used for NR V2X operatin in single carrier. Also, the uncleared sentence and some typos are fixed in Rx requirmeents for NR V2X UE

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

[**R4-2300209**](file:///D:\RAN4%23106\Docs\R4-2300209.zip) **CR TS 38.101-1: Correction on NR V2X requirements in Rel-18**

*Type: CR For: Agreement  
 38.101-1 v18.0.0 CR-1289 rev Cat: A (Rel-18)  
  
 Source: Meta Ireland*

**Abstract:**

this is mirror CR from [R4-2300208](file:///D:\RAN4%23106\Docs\R4-2300208.zip)

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

[**R4-2301103**](file:///D:\RAN4%23106\Docs\R4-2301103.zip) **CR to 38.101-1 R18 corrections on A-MPR for CA\_NC\_NS\_04**

*Type: CR For: Agreement  
 38.101-1 v17.8.0 CR-1348 rev Cat: A (Rel-17)  
  
 Source: Xiaomi*

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

##### 5.2.8.3 RRM requirements

##### 5.2.8.4 Demodulation and CSI requirements

### 5.3 Rel-17 TEI

**CRs related to irregular channel bandwidth [123]**

[**R4-2300488**](file:///D:\RAN4%23106\Docs\R4-2300488.zip) **Clarification of the 100kHz channel raster for bands below 3GHz**

*Type: draftCR For: Endorsement  
 38.104 v17.8.0 CR- rev Cat: (Rel-17)  
  
 Source: Intel Corporation*

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

[**R4-2300489**](file:///D:\RAN4%23106\Docs\R4-2300489.zip) **Clarification of the 100kHz channel raster for bands below 3GHz**

*Type: draftCR For: Endorsement  
 38.101-1 v17.8.0 CR- rev Cat: (Rel-17)  
  
 Source: Intel Corporation*

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

[**R4-2300490**](file:///D:\RAN4%23106\Docs\R4-2300490.zip) **Clarification of the 100kHz channel raster for bands below 3GHz**

*Type: draftCR For: Endorsement  
 38.101-2 v17.8.0 CR- rev Cat: (Rel-17)  
  
 Source: Intel Corporation*

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

### 5.4 Moderator summary and conclusions

**[106][102] R17\_spectrum\_maintenance, AI 5.1 – Dominique Evereare (Ericsson)**

[**R4-2302795**](file:///D:\RAN4%23106\Docs\R4-2302795.zip) **Topic summary for [106][102] R17\_spectrum\_maintenance**

*Type: other For: Information  
 Source: Moderator (Ericsson)*

**Abstract:**

This contribution provides the summary of email discussion and recommended summary.

**Decision: Return to.**

**Discussions of issues and conclusions**

**[106][103] R17\_nonspectrumUERF\_maintenance, AI 5.2.4, 5.2.4.1, 5.2.5.1, 5.2.8, 5.2.8.2, 5.3, 6.2.1 – Aijun Cao (Mediatek)**

[**R4-2302796**](file:///D:\RAN4%23106\Docs\R4-2302796.zip) **Topic summary for [106][103] R17\_nonspectrumUERF\_maintenance**

*Type: other For: Information  
 Source: Moderator (Mediatek)*

**Abstract:**

This contribution provides the summary of email discussion and recommended summary.

**Decision: Return to.**

**Discussions of issues and conclusions**

## 6 Rel-17 non-spectrum related on-going work items for NR and LTE

This agenda item is for Rel-17 non-spectrum related on-going WIs for NR and LTE that are led by other working group.

### 6.1 Solutions for NR to support non-terrestrial networks (NTN)

#### 6.1.1 System parameters and SAN RF requirement maintenance

#### 6.1.2 SAN RF conformance testing

#### 6.1.3 UE RF requirement maintenance

**[142] Topic #2: Maintenance CR for TS38.101-5**

[**R4-2300298**](file:///D:\RAN4%23106\Docs\R4-2300298.zip) **Correction of the out-of-band blocking requirements**

*Type: CR For: Approval  
 38.101-5 v17.2.0 CR-0017 rev Cat: F (Rel-17)  
  
 Source: Apple*

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

[**R4-2300299**](file:///D:\RAN4%23106\Docs\R4-2300299.zip) **Correction of the out-of-band blocking requirements**

*Type: CR For: Approval  
 38.101-5 v18.0.0 CR-0018 rev Cat: A (Rel-18)  
  
 Source: Apple*

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

#### 6.1.4 RRM core requirement maintenance

#### 6.1.5 RRM performance requirements

#### 6.1.6 Demodulation requirements

#### 6.1.7 Moderator summary and conclusions

### 6.2 Extending current NR operation to 71GHz

#### 6.2.1 Operation bands, system parameter and UE RF maintenance

**[103] Sub-topic 2-3: maintenance for system parameters**

[**R4-2301520**](file:///D:\RAN4%23106\Docs\R4-2301520.zip) **Frequency range definition update for TS 38.101-3 (Rel-15)**

*Type: CR For: Agreement  
 38.101-3 v15.20.0 CR-0855 rev Cat: F (Rel-15)  
  
 Source: vivo*

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

[**R4-2301521**](file:///D:\RAN4%23106\Docs\R4-2301521.zip) **Frequency range definition update for TS 38.101-3 (Rel-16)**

*Type: CR For: Agreement  
 38.101-3 v16.14.0 CR-0856 rev Cat: A (Rel-16)  
  
 Source: vivo*

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

[**R4-2301522**](file:///D:\RAN4%23106\Docs\R4-2301522.zip) **Frequency range definition update for TS 38.101-3 (Rel-17)**

*Type: CR For: Agreement  
 38.101-3 v17.8.0 CR-0857 rev Cat: A (Rel-17)  
  
 Source: vivo*

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

[**R4-2301523**](file:///D:\RAN4%23106\Docs\R4-2301523.zip) **Frequency range definition update for TS 38.101-3 (Rel-18)**

*Type: CR For: Agreement  
 38.101-3 v18.0.0 CR-0858 rev Cat: A (Rel-18)  
  
 Source: vivo*

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

[**R4-2301524**](file:///D:\RAN4%23106\Docs\R4-2301524.zip) **Frequency range definition update for TS 38.101-1 (Rel-18)**

*Type: CR For: Agreement  
 38.101-1 v18.0.0 CR-1386 rev Cat: A (Rel-18)  
  
 Source: vivo*

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

[**R4-2301525**](file:///D:\RAN4%23106\Docs\R4-2301525.zip) **Frequency range definition update for TS 38.101-1 (Rel-17)**

*Type: CR For: Agreement  
 38.101-1 v17.8.0 CR-1387 rev Cat: A (Rel-17)  
  
 Source: vivo*

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

[**R4-2301526**](file:///D:\RAN4%23106\Docs\R4-2301526.zip) **Frequency range definition update for TS 38.101-1 (Rel-16)**

*Type: CR For: Agreement  
 38.101-1 v16.14.0 CR-1388 rev Cat: A (Rel-16)  
  
 Source: vivo*

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

[**R4-2301527**](file:///D:\RAN4%23106\Docs\R4-2301527.zip) **Frequency range definition update for TS 38.101-1 (Rel-15)**

*Type: CR For: Agreement  
 38.101-1 v15.20.0 CR-1389 rev Cat: F (Rel-15)  
  
 Source: vivo*

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

[**R4-2301528**](file:///D:\RAN4%23106\Docs\R4-2301528.zip) **Frequency range definition update for TS 38.101-2 (Rel-16)**

*Type: CR For: Agreement  
 38.101-2 v16.14.0 CR-0572 rev Cat: A (Rel-16)  
  
 Source: vivo*

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

[**R4-2301529**](file:///D:\RAN4%23106\Docs\R4-2301529.zip) **Frequency range definition update for TS 38.101-2 (Rel-15)**

*Type: CR For: Agreement  
 38.101-2 v15.20.0 CR-0573 rev Cat: F (Rel-15)  
  
 Source: vivo*

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

[**R4-2301530**](file:///D:\RAN4%23106\Docs\R4-2301530.zip) **Discussion on frequency range definition update for TS 38.101-1/2/3**

*Type: other For: Approval  
 Source: vivo*

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

[**R4-2301674**](file:///D:\RAN4%23106\Docs\R4-2301674.zip) **draftCR to include FR2-2 range to 38.101-1 (Rel-18)**

*Type: draftCR For: Endorsement  
 38.101-1 v18.0.0 CR- rev Cat: A (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

[**R4-2301675**](file:///D:\RAN4%23106\Docs\R4-2301675.zip) **draftCR to include FR2-2 range to 38.101-1 (Rel-17)**

*Type: draftCR For: Endorsement  
 38.101-1 v17.8.0 CR- rev Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**Sub-topic 2-4: maintenance for power class**

[**R4-2300493**](file:///D:\RAN4%23106\Docs\R4-2300493.zip) **FR2-2 maintenance – power class aspects**

*Type: discussion For: Discussion  
 Source: Intel Corporation*

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

[**R4-2300494**](file:///D:\RAN4%23106\Docs\R4-2300494.zip) **CR to 38.101-2: FR2-2 power class content**

*Type: CR For: Agreement  
 38.101-2 v17.8.0 CR-0534 rev Cat: F (Rel-17)  
  
 Source: Intel Corporation*

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

[**R4-2300495**](file:///D:\RAN4%23106\Docs\R4-2300495.zip) **CR for TS 38.101-2: FR2-2 power class content**

*Type: CR For: Agreement  
 38.101-2 v18.0.0 CR-0535 rev Cat: A (Rel-18)  
  
 Source: Intel Corporation*

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

#### 6.2.2 BS RF requirements maintenance

#### 6.2.3 BS RF conformance testing

#### 6.2.4 RRM core requirement maintenance

#### 6.2.5 RRM performance requirement maintenance

#### 6.2.6 Demodulation and CSI requirements

#### 6.2.7 Moderator summary and conclusions

[**R4-2300518**](file:///D:\RAN4%23106\Docs\R4-2300518.zip) **Big CR to 38.104: demodulation requirements introduction for FR2-2**

*Type: CR For: Agreement  
 38.104 v17.8.0 CR-0438 rev Cat: B (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell, Intel Corporation*

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

[**R4-2300519**](file:///D:\RAN4%23106\Docs\R4-2300519.zip) **Big CR to 38.104: demodulation requirements introduction for FR2-2**

*Type: CR For: Agreement  
 38.104 v18.0.0 CR-0439 rev Cat: A (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell, Intel Corporation*

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

[**R4-2300520**](file:///D:\RAN4%23106\Docs\R4-2300520.zip) **Big CR to 38.141-2: demodulation requirements introduction for FR2-2**

*Type: CR For: Agreement  
 38.141-2 v17.8.0 CR-0439 rev Cat: B (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell, Intel Corporation*

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

[**R4-2300521**](file:///D:\RAN4%23106\Docs\R4-2300521.zip) **Big CR to 38.141-2: demodulation requirements introduction for FR2-2**

*Type: CR For: Agreement  
 38.141-2 v18.0.0 CR-0440 rev Cat: A (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell, Intel Corporation*

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

## 7 Rel-18 maintenance for LTE and NR

**[106][104] R18\_spectrum\_maintenance, AI 7, 7.1, 7.2 – Suhwan Lim (Meta)**

[**R4-2302797**](file:///D:\RAN4%23106\Docs\R4-2302797.zip) **Topic summary for [106][104] R18\_spectrum\_maintenance**

*Type: other For: Information  
 Source: Moderator (Meta)*

**Abstract:**

This contribution provides the summary of email discussion and recommended summary.

**Decision: Return to.**

**Discussions of issues and conclusions**

-----------------------------------------------------------------------------------------------------------------

This is for Rel-18 maintenance for LTE and NR as LTE\_CA\_intra\_B8 and LTE\_TDD\_1670\_1675MHz were both completedi n Dec 2022.

There are three TEI18 CRs related to the following specifications:

- 38.101-1

- 38.101-2

- 38.101-3

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| TDoc | Title | Source | Type | For | Agenda item | TDoc Status | Rel | Spec | Ver | Related WIs | CR | CR rev | CR cat |
| [**R4-2300372**](file:///D:\RAN4%23106\Docs\R4-2300372.zip) | CR 38.101-1: Rel-18 Band combinations bug fixing and adding missing fallbacks | Apple | CR | Agreement | 7 | available | [**Rel-18**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**38.101-1**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3283) | 18.0.0 | [**TEI18**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=920042) | 1309 |  | F |
| [**R4-2300373**](file:///D:\RAN4%23106\Docs\R4-2300373.zip) | CR 38.101-2: Rel-18 Band combinations bug fixing | Apple | CR | Agreement | 7 | available | [**Rel-18**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**38.101-2**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3284) | 18.0.0 | [**TEI18**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=920042) | 0533 |  | F |
| [**R4-2300374**](file:///D:\RAN4%23106\Docs\R4-2300374.zip) | CR 38.101-3: Rel-18 Band combinations bug fixing and adding missing fallbacks | Apple | CR | Agreement | 7 | available | [**Rel-18**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**38.101-3**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3285) | 18.0.0 | [**TEI18**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=920042) | 0816 |  | F |

**Topic #2: Maintenance of NR band combination**

[**R4-2300372**](file:///D:\RAN4%23106\Docs\R4-2300372.zip) **CR 38.101-1: Rel-18 Band combinations bug fixing and adding missing fallbacks**

*Type: CR For: Agreement  
 36.101-1 v18.0.0 CR-1309 rev Cat: F (Rel-18)  
  
 Source: Apple*

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

[**R4-2300373**](file:///D:\RAN4%23106\Docs\R4-2300373.zip) **CR 38.101-2: Rel-18 Band combinations bug fixing**

*Type: CR For: Agreement  
 36.101-2 v18.0.0 CR-0533 rev Cat: F (Rel-18)  
  
 Source: Apple*

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

[**R4-2300374**](file:///D:\RAN4%23106\Docs\R4-2300374.zip) **CR 38.101-3: Rel-18 Band combinations bug fixing and adding missing fallbacks**

*Type: CR For: Agreement  
 36.101-3 v18.0.0 CR-0816 rev Cat: F (Rel-18)  
  
 Source: Apple*

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

### 7.1 LTE intra-band contiguous CA for band 8

### 7.2 Introduction of LTE TDD band in 1670-1675 MHz

**Topic #1: Maintenance of LTE TDD band in 1670 -1675 MHz (Band 54)**

[**R4-2300064**](file:///D:\RAN4%23106\Docs\R4-2300064.zip) **Adds reference for additional spurious emission levels for Band 54**

*Type: CR For: Agreement  
 36.104 v18.0.0 CR-4964 rev Cat: F (Rel-18)  
  
 Source: Ligado Networks, Nokia, Nokia Shanghai Bell*

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

[**R4-2300065**](file:///D:\RAN4%23106\Docs\R4-2300065.zip) **Adds reference for additional spurious emission levels for Band 54**

*Type: CR For: Agreement  
 36.141 v18.0.0 CR-1345 rev Cat: F (Rel-18)  
  
 Source: Ligado Networks, Nokia, Nokia Shanghai Bell*

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

[**R4-2300066**](file:///D:\RAN4%23106\Docs\R4-2300066.zip) **Adds reference for additional spurious emission levels for Band 54**

*Type: CR For: Agreement  
 37.104 v18.0.0 CR-0975 rev Cat: F (Rel-18)  
  
 Source: Ligado Networks, Nokia, Nokia Shanghai Bell*

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

[**R4-2300067**](file:///D:\RAN4%23106\Docs\R4-2300067.zip) **Adds reference for additional spurious emission levels for Band 54**

*Type: CR For: Agreement  
 37.141 v18.0.0 CR-1028 rev Cat: F (Rel-18)  
  
 Source: Ligado Networks, Nokia, Nokia Shanghai Bell*

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

[**R4-2302281**](file:///D:\RAN4%23106\Docs\R4-2302281.zip) **CR to TS 37.105: Band 54 additional spurious clarification**

*Type: CR For: Agreement  
 37.105 v18.0.0 CR-0274 rev Cat: F (Rel-18)  
  
 Source: Ericsson*

**Abstract:**

This contribution is a CR to TS 37.105, it clarifies the additional spurious requirement for LTE TDD band 54

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

[**R4-2302282**](file:///D:\RAN4%23106\Docs\R4-2302282.zip) **CR to TS 37.145-1: LTE TDD band 54 additional spurious clarification**

*Type: CR For: Agreement  
 37.145-1 v18.0.0 CR-0307 rev Cat: F (Rel-18)  
  
 Source: Ericsson*

**Abstract:**

This contribution is a CR to TS 37.145-1, it clarifies the additional spurious requirement for LTE TDD band 54

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

[**R4-2302283**](file:///D:\RAN4%23106\Docs\R4-2302283.zip) **CR to TS 37.145-2: LTE TDD band 54 additional spurious clarification**

*Type: CR For: Agreement  
 37.145-2 v18.0.0 CR-0347 rev Cat: F (Rel-18)  
  
 Source: Ericsson*

**Abstract:**

This contribution is a CR to TS 37.145-2, it clarifies the additional spurious requirement for LTE TDD band 54

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

[**R4-2300068**](file:///D:\RAN4%23106\Docs\R4-2300068.zip) **Updates to spurious emissions UE coexistence table**

*Type: CR For: Agreement  
 38.101-1 v18.0.0 CR-1281 rev Cat: F (Rel-18)  
  
 Source: Ligado Networks*

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

[**R4-2300069**](file:///D:\RAN4%23106\Docs\R4-2300069.zip) **Updates to spurious emissions UE coexistence table**

*Type: CR For: Agreement  
 36.101 v18.0.0 CR-5899 rev Cat: F (Rel-18)  
  
 Source: Ligado Networks*

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

**Withdrawn CRs**

[**R4-2301471**](file:///D:\RAN4%23106\Docs\R4-2301471.zip) **CR to TS 37.105: LTE TDD band 54 additional spurious clarification**

*Type: CR For: Agreement  
 37.105 v18.0.0 CR-0267 rev Cat: F (Rel-18)  
  
 Source: Ericsson*

**Abstract:**

This contribution is a CR to TS 37.105, it clarifies the additional spurious requirement for LTE TDD band 54

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

[**R4-2301472**](file:///D:\RAN4%23106\Docs\R4-2301472.zip) **CR to TS 37.145-1: LTE TDD band 54 additional spurious clarification**

*Type: CR For: Agreement  
 37.145-1 v18.0.0 CR-0304 rev Cat: F (Rel-18)  
  
 Source: Ericsson*

**Abstract:**

This contribution is a CR to TS 37.145-1, it clarifies the additional spurious requirement for LTE TDD band 54

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

[**R4-2301473**](file:///D:\RAN4%23106\Docs\R4-2301473.zip) **CR to TS 37.145-2: LTE TDD band 54 additional spurious clarification**

*Type: CR For: Agreement  
 37.145-2 v18.0.0 CR-0343 rev Cat: F (Rel-18)  
  
 Source: Ericsson*

**Abstract:**

This contribution is a CR to TS 37.145-2, it clarifies the additional spurious requirement for LTE TDD band 54

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

[**R4-2302261**](file:///D:\RAN4%23106\Docs\R4-2302261.zip) **CR to TS 37.105: LTE TDD band 54 additional spurious clarification**

*Type: CR For: Agreement  
 37.105 v18.0.0 CR-0273 rev Cat: F (Rel-18)  
  
 Source: Ericsson*

**Abstract:**

This contribution is a CR to TS 37.105, it clarifies the additional spurious requirement for LTE TDD band 54

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

[**R4-2302262**](file:///D:\RAN4%23106\Docs\R4-2302262.zip) **CR to TS 37.145-1: LTE TDD band 54 additional spurious clarification**

*Type: CR For: Agreement  
 37.145-1 v18.0.0 CR-0306 rev Cat: F (Rel-18)  
  
 Source: Ericsson*

**Abstract:**

This contribution is a CR to TS 37.145-1, it clarifies the additional spurious requirement for LTE TDD band 54

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

[**R4-2302263**](file:///D:\RAN4%23106\Docs\R4-2302263.zip) **CR to TS 37.145-2: LTE TDD band 54 additional spurious clarification**

*Type: CR For: Agreement  
 37.145-2 v18.0.0 CR-0346 rev Cat: F (Rel-18)  
  
 Source: Ericsson*

**Abstract:**

This contribution is a CR to TS 37.145-2, it clarifies the additional spurious requirement for LTE TDD band 54

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

## 8 Rel-18 on-going spectrum related WIs for NR

*All the rapporteurs of basket WIs are expected to reserve tdoc numbers for big CR(s), draftTR (if needed), and revised WID before the meeting.*

*- Baskets for new band combinations are related to agenda item 8.1 – 8.15.*

*- Baskets for high power UE are related to agenda item 8.16 – 8.23*

*- Baskets for other aspects are arelated to agenda item 8.24 – 8.29.*

*- New bands are related to agenda item 8.30 – 8.34.*

### 8.1 Issues arising from basket WIs but not subject to block approval

#### 8.1.1 UE RF requirements

##### 8.1.1.1 band combinations with UL configurations including intra-band ULCA with IMD or triple beat issues

**Topic #1: UL Intra-band CA/DC MSD and A-MPR**

[**R4-2300413**](file:///D:\RAN4%23106\Docs\R4-2300413.zip) **IMD analysis of NC intra-band CA in uplink**

*Type: other For: Approval  
 Source: Nokia*

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

[**R4-2302526**](file:///D:\RAN4%23106\Docs\R4-2302526.zip) **Discussion on the configured output power requirement for intra-band contiguous NE-DC in Rel.18**

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

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

TP

[**R4-2301073**](file:///D:\RAN4%23106\Docs\R4-2301073.zip) **TP for 38.718-01-01 to include CA\_n26(2A)**

*Type: pCR For: Approval  
 38.718-01-01 v0.1.0 CR- rev Cat: (Rel-18)  
  
 Source: Ericsson, Telstra*

**Abstract:**

TP for 38.718-01-01 to include CA\_n26(2A)

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

CR

[**R4-2300938**](file:///D:\RAN4%23106\Docs\R4-2300938.zip) **CA\_n26(2A) MSD analysis for TR 38.718-01-01**

*Type: other For: Approval  
 38.101-1 v CR- rev Cat: (Rel-18)  
  
 Source: Skyworks Solutions Inc.*

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

[**R4-2302616**](file:///D:\RAN4%23106\Docs\R4-2302616.zip) **CA\_n26(2A) ?RIBNC**

*Type: other For: Approval  
 Source: Murata Manufacturing Co Ltd.*

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

[**R4-2302528**](file:///D:\RAN4%23106\Docs\R4-2302528.zip) **draft CR for configured output power requirement for intra-band contiguous NE-DC**

*Type: draftCR For: Approval  
 38.101-3 v18.0.0 CR- rev Cat: B (Rel-18)  
  
 Source: CHTTL, SGS Wireless*

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

**Topic #2: Inter band combinations including intra-band ULCA in their UL configurations**

[**R4-2302043**](file:///D:\RAN4%23106\Docs\R4-2302043.zip) **Discussion on Band combinations related to UL configuration DC\_3C\_n28A**

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

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

[**R4-2300364**](file:///D:\RAN4%23106\Docs\R4-2300364.zip) **MSD requirements for n5\_n77 (2A)**

*Type: other For: Approval  
 Source: Apple*

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

CR

[**R4-2302044**](file:///D:\RAN4%23106\Docs\R4-2302044.zip) **CR for TS 38.101-3 to introduce band combinations back with UL configuration DC\_3C\_n28A**

*Type: CR For: Agreement  
 38.101-3 v18.0.0 CR-0869 rev Cat: B (Rel-18)  
  
 Source: Huawei, HiSilicon DT*

**Decision:** The document was **revised to** [**R4-2302338**](file:///D:\RAN4%23106\Docs\R4-2302338.zip).

[**R4-2302338**](file:///D:\RAN4%23106\Docs\R4-2302338.zip) **CR for TS 38.101-3 to introduce band combinations back with UL configuration DC\_3C\_n28A**

*Type: CR For: Agreement  
 38.101-3 v18.0.0 CR-0869 rev 1 Cat: B (Rel-18)  
  
 Source: Huawei, HiSilicon, DT*

(Replaces [R4-2302044](file:///D:\RAN4%23106\Docs\R4-2302044.zip))

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

##### 8.1.1.2 Others

**Topic #3: 1UL LB-LB combinations**

[**R4-2302238**](file:///D:\RAN4%23106\Docs\R4-2302238.zip) **Analysis for CA\_n71A-n85A**

*Type: other For: Approval  
 Source: Qualcomm Finland RFFE Oy*

**Abstract:**

Analysis and proposals on CA\_n71A-n85A are provided in this contribution.

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

[**R4-2302631**](file:///D:\RAN4%23106\Docs\R4-2302631.zip) **CA\_n71-n85 LB-LB 1UL/2DLCA MSD**

*Type: other For: Approval  
 Source: Murata Manufacturing Co Ltd.*

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

[**R4-2300758**](file:///D:\RAN4%23106\Docs\R4-2300758.zip) **1UL cross band MSDs for CA\_n71-n85 and DC\_12\_n71**

*Type: other For: Approval  
 38.101-1 v CR- rev Cat: (Rel-18)  
  
 Source: Skyworks Solutions Inc.*

**Abstract:**

In this contribution we provide cross band MSD evaluation for CA\_n71-n85 and DC\_12\_n71.

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

TP/CR

[**R4-2300414**](file:///D:\RAN4%23106\Docs\R4-2300414.zip) **TP to TR 38.717-02-01: Addition of CA\_n71-n85**

*Type: pCR For: Approval  
 38.718-02-01 v0.3.0 CR- rev Cat: (Rel-18)  
  
 Source: Nokia, T-Mobile USA*

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

**Topic #4: Band combinations requiring experts’ review**

[**R4-2302739**](file:///D:\RAN4%23106\Docs\R4-2302739.zip) **CA\_n8-n3 and related combination n8 H2 MSD in n3**

*Type: other For: Approval  
 38.101-1 v CR- rev Cat: (Rel-18)  
  
 Source: Skyworks Solutions Inc.*

**Abstract:**

In this contribution we review this exception in the light of the use of band n8 and n3 by many operators across the world and in comparison to similar cases and would like to check with the group how this should be handled for CA\_n8-n3 and related LTE CA

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

[**R4-2300936**](file:///D:\RAN4%23106\Docs\R4-2300936.zip) **Further Corrections to NR-CA Cross-band Isolation MSD**

*Type: other For: Approval  
 38.101-1 v CR- rev Cat: (Rel-18)  
  
 Source: Skyworks Solutions Inc.*

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

#### 8.1.2 Moderator summary and conclusions

**[106][105] NR\_Baskets\_Part\_1, AI 8.1 – Dominique Brunel (Skyworks)**

[**R4-2302798**](file:///D:\RAN4%23106\Docs\R4-2302798.zip) **Topic summary for [106][105] NR\_Baskets\_Part\_1**

*Type: other For: Information  
 Source: Moderator (Skyworks)*

**Abstract:**

This contribution provides the summary of email discussion and recommended summary.

**Decision: Return to.**

**Discussions of issues and conclusions**

### 8.2 Moderator summary and conclusions (for basket WI AI 7.3 to AI 7.26)

**[106][106] NR\_Baskets\_Part\_2, AI 8.3, 8.4, 8.5, 8.6, 8.7, 8.8 – Iwo Angelow (Nokia)**

[**R4-2302799**](file:///D:\RAN4%23106\Docs\R4-2302799.zip) **Topic summary for [106][106] NR\_Baskets\_Part\_2**

*Type: other For: Information  
 Source: Moderator (Nokia)*

**Abstract:**

This contribution provides the summary of email discussion and recommended summary.

**Decision: Return to.**

**Discussions of issues and conclusions**

**[106][107] NR\_Baskets\_Part\_3, AI 8.9, 8.13 – Per Lindell (Ericsson)**

[**R4-2302800**](file:///D:\RAN4%23106\Docs\R4-2302800.zip) **Topic summary for [106][107] NR\_Baskets\_Part\_3**

*Type: other For: Information  
 Source: Moderator (Ericsson)*

**Abstract:**

This contribution provides the summary of email discussion and recommended summary.

**Decision: Return to.**

**Discussions of issues and conclusions**

**[106][108] NR\_Baskets\_Part\_4, AI 8.10, 8.11, 8.12 – Johannes Hejselbaek (Nokia)**

[**R4-2302801**](file:///D:\RAN4%23106\Docs\R4-2302801.zip) **Topic summary for [106][108] NR\_Baskets\_Part\_4**

*Type: other For: Information  
 Source: Moderator (Nokia)*

**Abstract:**

This contribution provides the summary of email discussion and recommended summary.

**Decision: Return to.**

**Discussions of issues and conclusions**

**[106][110] LTE\_NR\_HPUE\_FWVM, AI 8.16, 8.17 – Petri J. Vasenkari (Nokia)**

[**R4-2302803**](file:///D:\RAN4%23106\Docs\R4-2302803.zip) **Topic summary for [106][110] LTE\_NR\_HPUE\_FWVM**

*Type: other For: Information  
 Source: Moderator (Nokia)*

**Abstract:**

This contribution provides the summary of email discussion and recommended summary.

**Decision: Return to.**

**Discussions of issues and conclusions**

**[106][111] HPUE\_Basket\_EN-DC, AI 8.18 – Per Lindell (Ericsson)**

[**R4-2302804**](file:///D:\RAN4%23106\Docs\R4-2302804.zip) **Topic summary for [106][111] HPUE\_Basket\_EN-DC**

*Type: other For: Information  
 Source: Moderator (Ericsson)*

**Abstract:**

This contribution provides the summary of email discussion and recommended summary.

**Decision: Return to.**

**Discussions of issues and conclusions**

**[106][112] HPUE\_Basket\_Intra-CA\_TDD, AI 8.19, 8.22 – Lingyu Kong (Huawei)**

[**R4-2302805**](file:///D:\RAN4%23106\Docs\R4-2302805.zip) **Topic summary for [106][112] HPUE\_Basket\_Intra-CA\_TDD**

*Type: other For: Information  
 Source: Moderator (Huawei)*

**Abstract:**

This contribution provides the summary of email discussion and recommended summary.

**Decision: Return to.**

**Discussions of issues and conclusions**

**[106][113] HPUE\_Basket\_inter-CA\_SUL, AI 8.20 – Lei Gao (China Telecom)**

[**R4-2302806**](file:///D:\RAN4%23106\Docs\R4-2302806.zip) **Topic summary for [106][113] HPUE\_Basket\_inter-CA\_SUL**

*Type: other For: Information  
 Source: Moderator (China Telecom)*

**Abstract:**

This contribution provides the summary of email discussion and recommended summary.

**Decision: Return to.**

**Discussions of issues and conclusions**

**[106][114] HPUE\_Basket\_FDD , AI 8.21, 8.23 – Basaier Jialade (China Unicom)**

[**R4-2302807**](file:///D:\RAN4%23106\Docs\R4-2302807.zip) **Topic summary for [106][114] HPUE\_Basket\_FDD**

*Type: other For: Information  
 Source: Moderator (China Unicom)*

**Abstract:**

This contribution provides the summary of email discussion and recommended summary.

**Decision: Return to.**

**Discussions of issues and conclusions**

**[106][115] LTE\_NR\_Other\_WI, AI 8.14, 8.15, 8.24, 8.25, 8.26, 8.27, 10.2 – Jin Wang (Huawei)**

[**R4-2302808**](file:///D:\RAN4%23106\Docs\R4-2302808.zip) **Topic summary for [106][115] LTE\_NR\_Other\_WI**

*Type: other For: Information  
 Source: Moderator (Huawei)*

**Abstract:**

This contribution provides the summary of email discussion and recommended summary.

**Decision: Return to.**

**Discussions of issues and conclusions**

### 8.3 Rel-18 Dual Connectivity (DC) of 1 band LTE (1DL/1UL) and 1 NR band (1DL/1UL)

#### 8.3.1 Rapporteur input (WID/TR/CR)

[**R4-2300827**](file:///D:\RAN4%23106\Docs\R4-2300827.zip) **TR 37.718-11-11 v0.4.0 Rel-18 Dual Connectivity (DC) of 1 LTE band (1DL/1UL) and 1 NR band (1DL/1UL)**

*Type: draft TR For: Agreement  
 37.718-11-11 v0.3.0 CR- rev Cat: (Rel-18)  
  
 Source: CHTTL*

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

[**R4-2300828**](file:///D:\RAN4%23106\Docs\R4-2300828.zip) **Big CR for Rel-18 Dual Connectivity (DC) of 1 LTE band (1DL/1UL) and 1 NR band (1DL/1UL)**

*Type: CR For: Agreement  
 38.101-3 v18.0.0 CR-0825 rev Cat: B (Rel-18)  
  
 Source: CHTTL*

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

[**R4-2300829**](file:///D:\RAN4%23106\Docs\R4-2300829.zip) **Revised WID for Rel-18 Dual Connectivity (DC) of 1 LTE band (1DL/1UL) and 1 NR band (1DL/1UL)**

*Type: WID revised For: Endorsement  
 Source: CHTTL*

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

#### 8.3.2 UE RF requirements without FR2 band

[**R4-2300531**](file:///D:\RAN4%23106\Docs\R4-2300531.zip) **Draft CR 38.101-3 to add DC\_26A\_n78(2A)**

*Type: draftCR For: Endorsement  
 38.101-3 v18.0.0 CR- rev Cat: B (Rel-18)  
  
 Source: Ericsson, Telstra*

**Abstract:**

Adding DC\_26A\_n78(2A)

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

[**R4-2301064**](file:///D:\RAN4%23106\Docs\R4-2301064.zip) **draft CR 38.101-3 for corrections EN-DC 1 LTE + 1 NR**

*Type: draftCR For: Endorsement  
 38.101-3 v18.0.0 CR- rev Cat: F (Rel-18)  
  
 Source: Ericsson*

**Abstract:**

draft CR 38.101-3 for corrections EN-DC 1 LTE + 1 NR

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

[**R4-2301501**](file:///D:\RAN4%23106\Docs\R4-2301501.zip) **TP for TR 37.718-11-11 to include DC\_5A-n25A**

*Type: pCR For: Approval  
 37.718-11-11 v0.3.0 CR- rev Cat: (Rel-18)  
  
 Source: Ericsson, Rogers*

**Abstract:**

TP for TR 37.718-11-11 to include DC\_5A-n25A

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

[**R4-2301502**](file:///D:\RAN4%23106\Docs\R4-2301502.zip) **TP for TR 37.718-11-11 to include DC\_5A-n41A**

*Type: pCR For: Approval  
 37.718-11-11 v0.3.0 CR- rev Cat: (Rel-18)  
  
 Source: Ericsson, Rogers*

**Abstract:**

TP for TR 37.718-11-11 to include DC\_5A-n41A

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

[**R4-2301503**](file:///D:\RAN4%23106\Docs\R4-2301503.zip) **TP for TR 37.718-11-11 to include DC\_7A-n12A**

*Type: pCR For: Approval  
 37.718-11-11 v0.3.0 CR- rev Cat: (Rel-18)  
  
 Source: Ericsson, Rogers*

**Abstract:**

TP for TR 37.718-11-11 to include DC\_7A-n12A

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

[**R4-2301504**](file:///D:\RAN4%23106\Docs\R4-2301504.zip) **TP for TR 37.718-11-11 to include DC\_71A-n7A**

*Type: pCR For: Approval  
 37.718-11-11 v0.3.0 CR- rev Cat: (Rel-18)  
  
 Source: Ericsson, Rogers*

**Abstract:**

TP for TR 37.718-11-11 to include DC\_71A-n7A

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

[**R4-2301505**](file:///D:\RAN4%23106\Docs\R4-2301505.zip) **TP for TR 37.718-11-11 to include DC\_71A-n12A**

*Type: pCR For: Approval  
 37.718-11-11 v0.3.0 CR- rev Cat: (Rel-18)  
  
 Source: Ericsson, Rogers*

**Abstract:**

TP for TR 37.718-11-11 to include DC\_71A-n12A

Chair: be treated in topic#3 of [105]

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

[**R4-2301506**](file:///D:\RAN4%23106\Docs\R4-2301506.zip) **TP for TR 37.718-11-11 to include DC\_7A-n25A**

*Type: pCR For: Approval  
 37.718-11-11 v0.3.0 CR- rev Cat: (Rel-18)  
  
 Source: Ericsson, Rogers*

**Abstract:**

TP for TR 37.718-11-11 to include DC\_7A-n25A

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

[**R4-2301507**](file:///D:\RAN4%23106\Docs\R4-2301507.zip) **draft CR 38.101-3 to add new 2DL DC configurations**

*Type: draftCR For: Endorsement  
 38.101-3 v18.0.0 CR- rev Cat: B (Rel-18)  
  
 Source: Ericsson, Rogers*

**Abstract:**

draft CR 38.101-3 to add new 2DL DC configurations

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

#### 8.3.3 UE RF requirements with FR2 band

[**R4-2301070**](file:///D:\RAN4%23106\Docs\R4-2301070.zip) **draft CR 38.101-3 to add new EN-DC FR2 configurations**

*Type: draftCR For: Endorsement  
 38.101-3 v18.0.0 CR- rev Cat: B (Rel-18)  
  
 Source: Ericsson, Rogers*

**Abstract:**

draft CR 38.101-3 to add new EN-DC FR2 configurations

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

### 8.4 Rel-18 Dual Connectivity (DC) of 2 bands LTE inter-band CA (2DL/1UL) and 1 NR band (1DL/1UL)

#### 8.4.1 Rapporteur input (WID/TR/CR)

[**R4-2301454**](file:///D:\RAN4%23106\Docs\R4-2301454.zip) **TR 37.718-21-11 V0.4.0 for DC of 2 LTE band and 1 NR band**

*Type: draft TR For: Approval  
 37.718-21-11 v0.3.0 CR- rev Cat: (Rel-18)  
  
 Source: Huawei, HiSilicon*

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

[**R4-2301455**](file:///D:\RAN4%23106\Docs\R4-2301455.zip) **CR on introduction of completed DC of 2 bands LTE and 1 band NR from RAN4#106 into TS 38.101-3**

*Type: CR For: Endorsement  
 38.101-3 v18.0.0 CR-0850 rev Cat: B (Rel-18)  
  
 Source: Huawei, HiSilicon*

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

[**R4-2301456**](file:///D:\RAN4%23106\Docs\R4-2301456.zip) **Rel-18 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*

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

#### 8.4.2 UE RF requirements without FR2 band

[**R4-2300180**](file:///D:\RAN4%23106\Docs\R4-2300180.zip) **TP for TR 37.718-21-11 to include DC\_5-7\_n40**

*Type: pCR For: Approval  
 37.718-21-11 v0.3.0 CR- rev Cat: (Rel-18)  
  
 Source: SK Telecom, Murata Manufacturing Co. Ltd*

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

[**R4-2300532**](file:///D:\RAN4%23106\Docs\R4-2300532.zip) **Draft CR 38.101-3 to add DC\_1A/3A/7A-26A/28A\_n78(2A)**

*Type: draftCR For: Endorsement  
 38.101-3 v18.0.0 CR- rev Cat: B (Rel-18)  
  
 Source: Ericsson, Telstra*

**Abstract:**

Adding

DC\_1A-26A\_n78(2A)

DC\_1A-28A\_n78(2A)

DC\_3A-26A\_n78(2A)

DC\_3C-26A\_n78(2A)

DC\_3A-28A\_n78(2A)

DC\_3C-28A\_n78(2A)

DC\_7A-26A\_n78(2A)

DC\_7C-26A\_n78(2A)

DC\_7A-28A\_n78(2A)

DC\_7C-28A\_n78(2A)

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

[**R4-2301065**](file:///D:\RAN4%23106\Docs\R4-2301065.zip) **draft CR 38.101-3 for corrections EN-DC 2 LTE + 1 NR**

*Type: draftCR For: Endorsement  
 38.101-3 v18.0.0 CR- rev Cat: F (Rel-18)  
  
 Source: Ericsson*

**Abstract:**

draft CR 38.101-3 for corrections EN-DC 2 LTE + 1 NR

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

[**R4-2301086**](file:///D:\RAN4%23106\Docs\R4-2301086.zip) **TP for 37.718-21-11 to include DC\_20-(n)3**

*Type: pCR For: Approval  
 37.718-21-11 v0.2.0 CR- rev Cat: (Rel-18)  
  
 Source: Ericsson, BT plc*

**Abstract:**

TP for 37.718-21-11 to include DC\_20-(n)3

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

[**R4-2301457**](file:///D:\RAN4%23106\Docs\R4-2301457.zip) **draft CR to include DC\_3-7\_n26 and DC\_3-(n)7 into 38.101-3**

*Type: draftCR For: Endorsement  
 38.101-3 v18.0.0 CR- rev Cat: B (Rel-18)  
  
 Source: Huawei, HiSilicon*

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

[**R4-2301768**](file:///D:\RAN4%23106\Docs\R4-2301768.zip) **TP for TR 37.718-21-11 DC\_3A-7A-8A\_n7A**

*Type: pCR For: Approval  
 37.718-21-11 v0.3.0 CR- rev Cat: (Rel-18)  
  
 Source: Huawei, HiSilicon*

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

[**R4-2301769**](file:///D:\RAN4%23106\Docs\R4-2301769.zip) **TP for TR 37.718-21-11 DC\_3A-8A\_n7A**

*Type: pCR For: Approval  
 37.718-21-11 v0.3.0 CR- rev Cat: (Rel-18)  
  
 Source: Huawei, HiSilicon*

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

[**R4-2302035**](file:///D:\RAN4%23106\Docs\R4-2302035.zip) **Draft CR for 38.101-3 to add configuration DC\_1A-20A\_n78C DC\_3A-20A\_n78C DC\_7A-20A\_n78C**

*Type: draftCR For: Endorsement  
 38.101-3 v18.0.0 CR- rev Cat: (Rel-18)  
  
 Source: Huawei, HiSilicon*

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

#### 8.4.3 UE RF requirements with FR2 band

### 8.5 Rel-18 WID on DC of x bands LTE inter-band CA (x=3,4,5) and 1 NR band

#### 8.5.1 Rapporteur input (WID/TR/CR)

[**R4-2301666**](file:///D:\RAN4%23106\Docs\R4-2301666.zip) **Revised Rel-18 WID on DC of x bands LTE inter-band CA (x=3,4,5) and 1 NR band**

*Type: WID revised For: Endorsement  
 Source: Nokia, Nokia Shanghai Bell*

**Abstract:**

Inclusion of requests provided for RAN4#104

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

[**R4-2301667**](file:///D:\RAN4%23106\Docs\R4-2301667.zip) **draft Big CR to introduce new combinations DC of x bands LTE inter-band CA (x345) and 1 NR band**

*Type: CR For: Agreement  
 38.101-3 v18.0.0 CR-0868 rev Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Abstract:**

To capture the agreed combinations at RAN4#104 for later inclusion on Rel18 draft specification

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

#### 8.5.2 UE RF requirements without FR2 band

[**R4-2300533**](file:///D:\RAN4%23106\Docs\R4-2300533.zip) **Draft CR 38.101-3 to add DC\_1A-3A/3C-26A/28A\_n78(2A), DC\_3C-7A/7C-26A/28A\_n78(2A) and DC\_1A-3C-7A/7C-26A/28A\_n78(2A)**

*Type: draftCR For: Endorsement  
 38.101-3 v18.0.0 CR- rev Cat: B (Rel-18)  
  
 Source: Ericsson, Telstra*

**Abstract:**

Adding

DC\_1A-3A-26A\_n78(2A)

DC\_1A-3C-26A\_n78(2A)

DC\_1A-3A-28A\_n78(2A)

DC\_1A-3C-28A\_n78(2A)

DC\_3C-7A-26A\_n78(2A)

DC\_3C-7C-26A\_n78(2A)

DC\_3C-7A-28A\_n78(2A)

DC\_3C-7C-28A\_n78(2A)

DC\_1A-3C-7A-26A\_n78(2A)

DC\_1A-3C-7C-26A\_n78(2A)

DC\_1A-3C-7A-28A\_n78(2A)

DC\_1A-3

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

[**R4-2300650**](file:///D:\RAN4%23106\Docs\R4-2300650.zip) **draft CR to TS38.101-3: DC\_1A-8A-(n)3AA**

*Type: draftCR For: Agreement  
 38.101-3 v18.0.0 CR- rev Cat: B (Rel-18)  
  
 Source: Huawei Technologies France*

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

[**R4-2300956**](file:///D:\RAN4%23106\Docs\R4-2300956.zip) **Draft CR for 38.101-3 to add DC\_3A-8A-20A\_n28A and DC\_3C-8A-20A\_n28A**

*Type: draftCR For: Endorsement  
 38.101-3 v18.0.0 CR- rev Cat: (Rel-18)  
  
 Source: Huawei, Hisilicon*

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

[**R4-2300958**](file:///D:\RAN4%23106\Docs\R4-2300958.zip) **Draft CR for 38.101-3 to add DC\_1A-3C-38A\_n78A**

*Type: draftCR For: Endorsement  
 38.101-3 v18.0.0 CR- rev Cat: (Rel-18)  
  
 Source: Huawei, Hisilicon*

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

[**R4-2301770**](file:///D:\RAN4%23106\Docs\R4-2301770.zip) **Draft CR for 38.101-3 to add DC\_1A-7A-7A-8A\_n78A**

*Type: draftCR For: Endorsement  
 38.101-1 v18.0.0 CR- rev Cat: B (Rel-18)  
  
 Source: Huawei, HiSilicon*

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

[**R4-2301771**](file:///D:\RAN4%23106\Docs\R4-2301771.zip) **Draft CR for 38.101-3 to add DC\_1A-7A-8A\_n7A**

*Type: draftCR For: Endorsement  
 38.101-1 v18.0.0 CR- rev Cat: B (Rel-18)  
  
 Source: Huawei, HiSilicon*

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

[**R4-2302036**](file:///D:\RAN4%23106\Docs\R4-2302036.zip) **Draft CR for 38.101-3 to add configuration DC\_1A-3A-20A\_n78C DC\_1A-7A-20A\_n78C DC\_3A-7A-20A\_n78C DC\_1A-3A-7A\_n78C**

*Type: draftCR For: Endorsement  
 38.101-3 v18.0.0 CR- rev Cat: (Rel-18)  
  
 Source: Huawei, HiSilicon*

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

[**R4-2302037**](file:///D:\RAN4%23106\Docs\R4-2302037.zip) **Draft CR for 38.101-3 to add configuration DC\_1A-3A-7A-20A\_n78C**

*Type: draftCR For: Endorsement  
 38.101-3 v18.0.0 CR- rev Cat: (Rel-18)  
  
 Source: Huawei, HiSilicon*

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

#### 8.5.3 UE RF requirements with FR2 band

### 8.6 Rel-18 WID: DC of x bands (x=1,2,3,4) LTE inter-band CA (xDL/1UL) and 2 bands NR inter-band CA (2DL/1UL)

#### 8.6.1 Rapporteur input (WID/TR/CR)

[**R4-2300760**](file:///D:\RAN4%23106\Docs\R4-2300760.zip) **TR 37.718-11-21 v0.4.0 TR Update for DC\_R18\_xBLTE\_2BNR\_yDL2UL**

*Type: draft TR For: Agreement  
 37.718-11-21 v0.4.0 CR- rev Cat: (Rel-18)  
  
 Source: LG Electronics Deutschland*

**Abstract:**

TR 37.718-11-21 v0.4.0 TR Update for DC\_R18\_xBLTE\_2BNR\_yDL2UL

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

[**R4-2300761**](file:///D:\RAN4%23106\Docs\R4-2300761.zip) **Revised WID on Rel-18 Dual Connectivity (DC) of x bands (x=1,2,3,4) LTE inter-band CA (xDL/1UL) and 2 bands NR inter-band CA (2DL/1UL)**

*Type: WID revised For: Endorsement  
 Source: LG Electronics Deutschland*

**Abstract:**

Revised WID on Rel-18 Dual Connectivity (DC) of x bands (x=1,2,3,4) LTE inter-band CA (xDL/1UL) and 2 bands NR inter-band CA (2DL/1UL)

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

[**R4-2300762**](file:///D:\RAN4%23106\Docs\R4-2300762.zip) **Introduction CR on new band combinations in DC\_R18\_xBLTE\_2BNR\_yDL2UL**

*Type: CR For: Agreement  
 38.101-3 v18.0.0 CR-0824 rev Cat: B (Rel-18)  
  
 Source: LG Electronics Deutschland*

**Abstract:**

Introduction CR on new band combinations in DC\_R18\_xBLTE\_2BNR\_yDL2UL in RAN4#106

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

#### 8.6.2 UE RF requirements without FR2 band

[**R4-2300175**](file:///D:\RAN4%23106\Docs\R4-2300175.zip) **TP for TR 37.718-11-21 to include DC\_1\_n40-n77**

*Type: pCR For: Approval  
 37.718-11-21 v0.3.0 CR- rev Cat: (Rel-18)  
  
 Source: SK Telecom, Murata Manufacturing Co. Ltd*

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

[**R4-2300176**](file:///D:\RAN4%23106\Docs\R4-2300176.zip) **TP for TR 37.718-11-21 to include DC\_3\_n40-n77**

*Type: pCR For: Approval  
 37.718-11-21 v0.3.0 CR- rev Cat: (Rel-18)  
  
 Source: SK Telecom, Murata Manufacturing Co. Ltd*

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

[**R4-2300177**](file:///D:\RAN4%23106\Docs\R4-2300177.zip) **TP for TR 37.718-11-21 to include DC\_5\_n40-n77**

*Type: pCR For: Approval  
 37.718-11-21 v0.3.0 CR- rev Cat: (Rel-18)  
  
 Source: SK Telecom, Murata Manufacturing Co. Ltd*

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

[**R4-2300178**](file:///D:\RAN4%23106\Docs\R4-2300178.zip) **TP for TR 37.718-11-21 to include DC\_7\_n40-n77**

*Type: pCR For: Approval  
 37.718-11-21 v0.3.0 CR- rev Cat: (Rel-18)  
  
 Source: SK Telecom, Murata Manufacturing Co. Ltd*

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

[**R4-2300179**](file:///D:\RAN4%23106\Docs\R4-2300179.zip) **TP for TR 37.718-11-21 to include DC\_5\_n40-n78**

*Type: pCR For: Approval  
 37.718-11-21 v0.3.0 CR- rev Cat: (Rel-18)  
  
 Source: SK Telecom, Murata Manufacturing Co. Ltd*

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

[**R4-2300181**](file:///D:\RAN4%23106\Docs\R4-2300181.zip) **Draft CR on TS 38.101-3: Support of n78C in DC\_1\_n40-n78, DC\_3\_n40-n78, and DC\_7\_n40-n78**

*Type: draftCR For: Endorsement  
 38.101-3 v18.0.0 CR- rev Cat: (Rel-18)  
  
 Source: SK Telecom, Murata Manufacturing Co. Ltd*

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

[**R4-2300534**](file:///D:\RAN4%23106\Docs\R4-2300534.zip) **TP for 37.718-11-21 to include DC\_7\_n1-n28**

*Type: pCR For: Approval  
 37.718-11-21 v0.3.0 CR- rev Cat: (Rel-18)  
  
 Source: Ericsson, BT*

**Abstract:**

This contribution is a text proposal for TR 37.718-03-01 to include DC\_7A\_n1A-n28A, DC\_7C\_n1A-n28A

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

[**R4-2300535**](file:///D:\RAN4%23106\Docs\R4-2300535.zip) **Draft CR 38.101-3 to add DC\_1A/7A/7C\_n1A/n3A-n78(2A), DC\_1A/3A/3C-7A/7C\_n3A-n78(2A), DC\_3A/3C-7A/7C\_n1A-n28A and DC\_20A-(n)3AA-n67A**

*Type: draftCR For: Endorsement  
 38.101-3 v18.0.0 CR- rev Cat: B (Rel-18)  
  
 Source: Ericsson, BT*

**Abstract:**

Adding

DC\_1A\_n3A-n78(2A)

DC\_7A\_n1A-n78(2A)

DC\_7C\_n1A-n78(2A)

DC\_7A\_n3A-n78(2A)

DC\_7C\_n3A-n78(2A)

DC\_1A-7A\_n3A-n78(2A)

DC\_1A-7C\_n3A-n78(2A)

DC\_3A-7A\_n1A-n78(2A)

DC\_3A-7C\_n1A-n78(2A)

DC\_3C-7A\_n1A-n78(2A)

DC\_3C-7C\_n1A-n78(2A)

DC\_3A-7A\_n1A-n28A

DC\_3C-7A\_n1A-

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

[**R4-2300536**](file:///D:\RAN4%23106\Docs\R4-2300536.zip) **TP for TR 37.718-11-21: DC\_(n)3AA-n78A and DC\_(n)3AA-n78(2A)**

*Type: pCR For: Approval  
 37.718-11-21 v0.3.0 CR- rev Cat: (Rel-18)  
  
 Source: Ericsson, BT*

**Abstract:**

This contribution is a text proposal for TR 37.718-11-21 to include DC\_(n)3AA-n78A and DC\_(n)3AA-n78(2A)

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

[**R4-2300957**](file:///D:\RAN4%23106\Docs\R4-2300957.zip) **Draft CR for 38.101-3 to add DC\_3C-7A-32A\_n1A-n78A**

*Type: draftCR For: Endorsement  
 38.101-3 v18.0.0 CR- rev Cat: (Rel-18)  
  
 Source: Huawei, Hisilicon*

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

[**R4-2301066**](file:///D:\RAN4%23106\Docs\R4-2301066.zip) **draft CR 38.101-3 for corrections EN-DC xLTE + 2NR**

*Type: draftCR For: Endorsement  
 38.101-3 v18.0.0 CR- rev Cat: F (Rel-18)  
  
 Source: Ericsson*

**Abstract:**

draft CR 38.101-3 for corrections EN-DC xLTE + 2NR

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

[**R4-2301087**](file:///D:\RAN4%23106\Docs\R4-2301087.zip) **TP for 37.718-11-21 to include DC\_(n)3-n7**

*Type: pCR For: Approval  
 37.718-11-21 v0.2.0 CR- rev Cat: (Rel-18)  
  
 Source: Ericsson, BT plc*

**Abstract:**

TP for 37.718-11-21 to include DC\_(n)3-n7

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

[**R4-2301088**](file:///D:\RAN4%23106\Docs\R4-2301088.zip) **TP for 37.718-11-21 to include DC\_(n)3-n28**

*Type: pCR For: Approval  
 37.718-11-21 v0.2.0 CR- rev Cat: (Rel-18)  
  
 Source: Ericsson, BT plc*

**Abstract:**

TP for 37.718-11-21 to include DC\_(n)3-n28

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

[**R4-2301089**](file:///D:\RAN4%23106\Docs\R4-2301089.zip) **TP for 37.718-11-21 to include DC\_(n)3-n67**

*Type: pCR For: Approval  
 37.718-11-21 v0.2.0 CR- rev Cat: (Rel-18)  
  
 Source: Ericsson, BT plc*

**Abstract:**

TP for 37.718-11-21 to include DC\_(n)3-n67

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

[**R4-2301090**](file:///D:\RAN4%23106\Docs\R4-2301090.zip) **TP for 37.718-11-21 to include DC\_66\_n71-n77**

*Type: pCR For: Approval  
 37.718-11-21 v0.2.0 CR- rev Cat: (Rel-18)  
  
 Source: Ericsson*

**Abstract:**

TP for 37.718-11-21 to include DC\_66\_n71-n77

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

[**R4-2301091**](file:///D:\RAN4%23106\Docs\R4-2301091.zip) **TP for 37.718-11-21 to include DC\_2\_n71-n77**

*Type: pCR For: Approval  
 37.718-11-21 v0.2.0 CR- rev Cat: (Rel-18)  
  
 Source: Ericsson*

**Abstract:**

TP for 37.718-11-21 to include DC\_2\_n71-n77

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

[**R4-2301120**](file:///D:\RAN4%23106\Docs\R4-2301120.zip) **Draft CR for 38.101-3 to introduce new configurations for ENDC combos with 2 NR bands**

*Type: draftCR For: Endorsement  
 38.101-3 v18.0.0 CR- rev Cat: B (Rel-18)  
  
 Source: Samsung, Spark*

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

[**R4-2301121**](file:///D:\RAN4%23106\Docs\R4-2301121.zip) **TP for TR 37.718-11-21 DC\_1A\_n5A-n40A**

*Type: pCR For: Approval  
 37.718-11-21 v0.3.0 CR- rev Cat: (Rel-18)  
  
 Source: Samsung, Spark*

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

[**R4-2301122**](file:///D:\RAN4%23106\Docs\R4-2301122.zip) **TP for TR 37.718-11-21 DC\_7A\_n5A-n40A**

*Type: pCR For: Approval  
 37.718-11-21 v0.3.0 CR- rev Cat: (Rel-18)  
  
 Source: Samsung, Spark*

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

[**R4-2301123**](file:///D:\RAN4%23106\Docs\R4-2301123.zip) **TP for TR 37.718-11-21 DC\_28A\_n5A-n40A**

*Type: pCR For: Approval  
 37.718-11-21 v0.3.0 CR- rev Cat: (Rel-18)  
  
 Source: Samsung, Spark*

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

[**R4-2301268**](file:///D:\RAN4%23106\Docs\R4-2301268.zip) **TP for TR 37.718-11-21 DC\_3A\_n8A-n41A**

*Type: pCR For: Approval  
 37.718-11-21 v0.3.0 CR- rev Cat: (Rel-18)  
  
 Source: ZTE Corporation*

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

#### 8.6.3 UE RF requirements with FR2 band

[**R4-2300647**](file:///D:\RAN4%23106\Docs\R4-2300647.zip) **draft CR to TS38.101-3 DC\_1A-3A\_n8A-n257AGHIJKLM**

*Type: draftCR For: Agreement  
 38.101-3 v18.0.0 CR- rev Cat: B (Rel-18)  
  
 Source: Huawei Technologies France*

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

### 8.7 Rel-18 Dual Connectivity (DC) of x bands (x=1,2,3) LTE inter-band CA (xDL/1UL) and y bands NR inter-band CA (yDL/1UL)

[**R4-2300664**](file:///D:\RAN4%23106\Docs\R4-2300664.zip) **draft CR to TS38.101-3: clarify the difference between section 5.5b.5 and 5.5b.6**

*Type: draftCR For: Agreement  
 38.101-3 v18.0.0 CR- rev Cat: F (Rel-18)  
  
 Source: Huawei Technologies France*

Chair: be treated in Topic#4 of [105].

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

#### 8.7.1 Rapporteur input (WID/TR/CR)

[**R4-2301275**](file:///D:\RAN4%23106\Docs\R4-2301275.zip) **Revised WID: Rel-18 Dual Connectivity (DC) of x bands (x=1,2,3) LTE inter-band CA (xDL/1UL) and y bands NR inter-band CA (yDL/1UL)**

*Type: WID revised For: Approval  
 Source: ZTE Corporation*

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

[**R4-2301276**](file:///D:\RAN4%23106\Docs\R4-2301276.zip) **Big CR to reflect the completed DC combinations of x bands (x=1,2,3) LTE inter-band CA (xDL/1UL) and y bands NR inter-band CA (yDL/1UL)**

*Type: draftCR For: Endorsement  
 38.101-3 v18.0.0 CR- rev Cat: B (Rel-18)  
  
 Source: ZTE Corporation*

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

#### 8.7.2 UE RF requirements without FR2 band

[**R4-2300651**](file:///D:\RAN4%23106\Docs\R4-2300651.zip) **draft CR to TS38.101-3: DC\_1A-8A-(n)3AA-n77A, DC\_1A-8A-(n)3AA-n77A(2A)**

*Type: draftCR For: Agreement  
 38.101-3 v18.0.0 CR- rev Cat: B (Rel-18)  
  
 Source: Huawei Technologies France*

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

[**R4-2300656**](file:///D:\RAN4%23106\Docs\R4-2300656.zip) **draft CR to TS38.101-3: DC\_1A-3A\_n8A-n77A, DC\_1A-3A\_n8A-n77(2A)**

*Type: draftCR For: Agreement  
 38.101-3 v18.0.0 CR- rev Cat: (Rel-18)  
  
 Source: Huawei Technologies France*

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

[**R4-2300660**](file:///D:\RAN4%23106\Docs\R4-2300660.zip) **TP for TR 37.718-11-21: DC\_1A-(n)3AA-n77A, DC\_1A-(n)3AA-n77(2A)**

*Type: pCR For: Approval  
 37.718-11-21 v0.3.0 CR- rev Cat: (Rel-18)  
  
 Source: Huawei Technologies France*

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

[**R4-2300662**](file:///D:\RAN4%23106\Docs\R4-2300662.zip) **TP for TR 37.718-11-21: DC\_8A-(n)3AA-n77A DC\_8A-(n)3AA-n77(2A)**

*Type: pCR For: Approval  
 37.718-11-21 v0.3.0 CR- rev Cat: (Rel-18)  
  
 Source: Huawei Technologies France*

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

[**R4-2301124**](file:///D:\RAN4%23106\Docs\R4-2301124.zip) **Draft CR for 38.101-3 to introduce new configurations for ENDC combos with 3 NR bands**

*Type: draftCR For: Endorsement  
 38.101-3 v18.0.0 CR- rev Cat: B (Rel-18)  
  
 Source: Samsung, Spark*

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

[**R4-2302064**](file:///D:\RAN4%23106\Docs\R4-2302064.zip) **CR to TS38.101-3 DC\_3A\_n1A-n75A-n78A and DC\_3A\_n1A-n28A-n75A**

*Type: CR For: Agreement  
 38.101-3 v18.0.0 CR-0880 rev Cat: B (Rel-18)  
  
 Source: Huawei, HiSilicon*

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

[**R4-2302065**](file:///D:\RAN4%23106\Docs\R4-2302065.zip) **CR to TS38.101-3 DC\_3A-20A\_n1A-n28A-n75A**

*Type: CR For: Agreement  
 38.101-3 v18.0.0 CR-0881 rev Cat: B (Rel-18)  
  
 Source: Huawei, HiSilicon*

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

#### 8.7.3 UE RF requirements with FR2 band

[**R4-2300649**](file:///D:\RAN4%23106\Docs\R4-2300649.zip) **draft CR to TS38.101-3: DC\_1A-8A-(n)3AA-n77A-n257AGHIJKLM, DC\_1A-8A-(n)3AA-n77(2A)-n257AGHIJKLM**

*Type: draftCR For: Agreement  
 38.101-3 v18.0.0 CR- rev Cat: B (Rel-18)  
  
 Source: Huawei Technologies France*

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

[**R4-2300653**](file:///D:\RAN4%23106\Docs\R4-2300653.zip) **draft CR to TS38.101-3: DC\_1A-8A-(n)3AA-n257AGHIJKLM**

*Type: draftCR For: Discussion  
 38.101-3 v18.0.0 CR- rev Cat: B (Rel-18)  
  
 Source: Huawei Technologies France*

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

[**R4-2300658**](file:///D:\RAN4%23106\Docs\R4-2300658.zip) **draft CR to TS38.101-3: DC\_1A-3A\_n8A-n77A-n257AGHIJKLM, DC\_1A-3A\_n8A-n77(2A)-n257AGHIJKLM**

*Type: draftCR For: Agreement  
 38.101-3 v18.0.0 CR- rev Cat: B (Rel-18)  
  
 Source: Huawei Technologies France*

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

[**R4-2301261**](file:///D:\RAN4%23106\Docs\R4-2301261.zip) **draft CR to TS38.101-3\_DC\_8A\_n40A-n41A-n258A**

*Type: draftCR For: Endorsement  
 38.101-3 v18.0.0 CR- rev Cat: B (Rel-18)  
  
 Source: ZTE Corporation*

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

### 8.8 Rel-18 WID: DC of x LTE bands and y NR bands with z bands DL and 3 bands UL (x=1, 2, 3, 4, y=1, 2; 3<=z<=6)

#### 8.8.1 Rapporteur input (WID/TR/CR)

[**R4-2301111**](file:///D:\RAN4%23106\Docs\R4-2301111.zip) **Revised Rel-18 WID on DC of x LTE bands and y NR bands with z bands DL and 3 bands UL**

*Type: WID revised For: Information  
 Source: Samsung*

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

[**R4-2301112**](file:///D:\RAN4%23106\Docs\R4-2301112.zip) **Big CR on introduction of completed DC of x LTE bands and y NR bands with z bands DL and 3 bands UL**

*Type: CR For: Agreement  
 38.101-3 v18.0.0 CR-0827 rev Cat: B (Rel-18)  
  
 Source: Samsung*

**Abstract:**

Big CR

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

#### 8.8.2 UE RF requirements without FR2 band

#### 8.8.3 UE RF requirements with FR2 band

[**R4-2301262**](file:///D:\RAN4%23106\Docs\R4-2301262.zip) **draft CR to TS38.101-3\_DC\_40A\_n79A-n258A**

*Type: draftCR For: Endorsement  
 38.101-3 v18.0.0 CR- rev Cat: B (Rel-18)  
  
 Source: ZTE Corporation*

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

### 8.9 Rel-18 NR intra band Carrier Aggregation for xCC DL/yCC UL including contiguous and non-contiguous spectrum (x>=y)

#### 8.9.1 Rapporteur input (WID/TR/CR)

[**R4-2301056**](file:///D:\RAN4%23106\Docs\R4-2301056.zip) **Revised WID NR Intra-band Rel-18**

*Type: WID revised For: Endorsement  
 Source: Ericsson*

**Abstract:**

Revised WID NR Intra-band Rel-18

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

[**R4-2301057**](file:///D:\RAN4%23106\Docs\R4-2301057.zip) **big CR 38.101-1 new combinations Rel-18 NR Intra-band**

*Type: CR For: Agreement  
 38.101-1 v18.0.0 CR-1346 rev Cat: B (Rel-18)  
  
 Source: Ericsson*

**Abstract:**

big CR 38.101-1 new combinations Rel-18 NR Intra-band

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

[**R4-2301058**](file:///D:\RAN4%23106\Docs\R4-2301058.zip) **big CR 38.101-2 new combinations Rel-18 NR Intra-band**

*Type: CR For: Agreement  
 38.101-2 v18.0.0 CR-0549 rev Cat: B (Rel-18)  
  
 Source: Ericsson*

**Abstract:**

big CR 38.101-2 new combinations Rel-18 NR Intra-band

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

[**R4-2301059**](file:///D:\RAN4%23106\Docs\R4-2301059.zip) **TR 38.718-01-01 v0.2.0 Rel-18 NR Intra-band**

*Type: draft TR For: Endorsement  
 38.718-01-01 v0.1.0 CR- rev Cat: (Rel-18)  
  
 Source: Ericsson*

**Abstract:**

TR 38.718-01-01 v0.2.0 Rel-18 NR Intra-band

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

#### 8.9.2 UE RF requirements for FR1

[**R4-2301063**](file:///D:\RAN4%23106\Docs\R4-2301063.zip) **draft CR 38.101-1 for correction NR Intra-band CA**

*Type: draftCR For: Endorsement  
 38.101-1 v18.0.0 CR- rev Cat: F (Rel-18)  
  
 Source: Ericsson*

**Abstract:**

Correction based on a comment in RAN2 reply LS R2-2213312

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

[**R4-2301692**](file:///D:\RAN4%23106\Docs\R4-2301692.zip) **TP to TR 38.718.01-01 addition of CA\_n102B and CA\_n102C uplink**

*Type: pCR For: Approval  
 38.718-01-01 v0.1.0 CR- rev Cat: (Rel-18)  
  
 Source: Nokia, BT*

Chair: to be treated in Topic#5 NR-U ULCA and A-MPR requirements of [105].

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

[**R4-2301693**](file:///D:\RAN4%23106\Docs\R4-2301693.zip) **TP to TR 38.718.01-01 addition of CA\_n46C uplink**

*Type: pCR For: Approval  
 38.718-01-01 v0.1.0 CR- rev Cat: (Rel-18)  
  
 Source: Nokia, BT*

Chair: to be treated in Topic#5 NR-U ULCA and A-MPR requirements of [105].

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

#### 8.9.3 UE RF requirements for FR2

### 8.10 Rel-18 NR Inter-band Carrier Aggregation/Dual Connectivity for 2 bands DL with x bands UL (x=1,2)

#### 8.10.1 Rapporteur input (WID/TR/CR)

[**R4-2301270**](file:///D:\RAN4%23106\Docs\R4-2301270.zip) **Revised WID:Rel-18 NR Inter-band Carrier Aggregation/Dual Connectivity for 2 bands DL with x bands UL (x=1,2)**

*Type: WID revised For: Approval  
 Source: ZTE Corporation*

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

[**R4-2301271**](file:///D:\RAN4%23106\Docs\R4-2301271.zip) **TR38.718-02-01 v0.4.0: Rel-18 NR Inter-band Carrier Aggregation/Dual Connectivity for 2 bands DL with x bands UL (x=1,2)**

*Type: draft TR For: Approval  
 38.718-02-01 v0.4.0 CR- rev Cat: (Rel-18)  
  
 Source: ZTE Corporation*

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

[**R4-2301272**](file:///D:\RAN4%23106\Docs\R4-2301272.zip) **Big 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: CR For: Agreement  
 38.101-1 v18.0.0 CR-1376 rev Cat: B (Rel-18)  
  
 Source: ZTE Corporation*

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

[**R4-2301273**](file:///D:\RAN4%23106\Docs\R4-2301273.zip) **Big CR to reflect the completed NR inter band CA DC combinations for 2 bands DL with up to 2 bands UL into TS 38.101-2**

*Type: CR For: Agreement  
 38.101-2 v18.0.0 CR-0568 rev Cat: B (Rel-18)  
  
 Source: ZTE Corporation*

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

[**R4-2301274**](file:///D:\RAN4%23106\Docs\R4-2301274.zip) **Big 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: CR For: Agreement  
 38.101-3 v18.0.0 CR-0838 rev Cat: B (Rel-18)  
  
 Source: ZTE Corporation*

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

#### 8.10.2 UE RF requirements without FR2 band

**To be treated in Topic #2 of [105]**

[**R4-2300537**](file:///D:\RAN4%23106\Docs\R4-2300537.zip) **Draft CR 38.101-1 to add CA\_n3B-n7B, CA\_n1A/n3A/n3B/n7A-n26(2A), CA\_n26A/n26(2A)-n78A/n78(2A) and CA\_n26A-n28A**

*Type: draftCR For: Endorsement  
 38.101-1 v18.0.0 CR- rev Cat: B (Rel-18)  
  
 Source: Ericsson, Telstra*

**Abstract:**

Adding

CA\_n1A-n26(2A)

CA\_n3A-n26(2A)

CA\_n3B-n7B,

CA\_n3B-n26A

CA\_n3B-n26(2A)

CA\_n7A-n26(2A)

CA\_n7B-n26(2A)

CA\_n26A-n28A

CA\_n26(2A)-n78A

CA\_n26A-n78(2A)

CA\_n26(2A)-n78(2A)

This draft CR is depending on approval for fallback in “TP for 38.718-01-01 to inclu

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

[**R4-2300648**](file:///D:\RAN4%23106\Docs\R4-2300648.zip) **DraftCR for 38.101-1: NR inter-band CA DC combinations for 2 bands DL with single band UL**

*Type: draftCR For: Approval  
 38.101-1 v18.0.0 CR- rev Cat: B (Rel-18)  
  
 Source: Verizon, Ericsson, Samsung*

**Abstract:**

The configuration of uplink CA\_n48B is one of fallback combos of high-order combinations. This draftCR is to add configuration based on the Rel-18 WID and operator requires.

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

[**R4-2300721**](file:///D:\RAN4%23106\Docs\R4-2300721.zip) **DraftCR Add intraband CA to the existing two bands DL CA combinations**

*Type: draftCR For: Endorsement  
 38.101-1 v18.0.0 CR- rev Cat: (Rel-18)  
  
 Source: Huawei, HiSilicon, BT plc*

Chair: to be treated in Topic#5 NR-U ULCA and A-MPR requirements of [105].

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

[**R4-2300722**](file:///D:\RAN4%23106\Docs\R4-2300722.zip) **TP to TR 38.718-02-01 for CA\_n46-n78 and DC\_n46-n78**

*Type: pCR For: Approval  
 38.718-02-01 v0.3.0 CR- rev Cat: (Rel-18)  
  
 Source: Huawei, HiSilicon, BT plc*

Chair: to be treated in Topic#5 NR-U ULCA and A-MPR requirements of [105].

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

[**R4-2300723**](file:///D:\RAN4%23106\Docs\R4-2300723.zip) **TP to TR 38.718-02-01 for CA\_n1-n46 and DC\_n1-n46**

*Type: pCR For: Approval  
 38.718-02-01 v0.3.0 CR- rev Cat: (Rel-18)  
  
 Source: Huawei, HiSilicon, BT plc*

Chair: to be treated in Topic#5 NR-U ULCA and A-MPR requirements of [105].

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

[**R4-2300959**](file:///D:\RAN4%23106\Docs\R4-2300959.zip) **Draft CR for 38.101-1 for additons to CA\_n8A-n75A**

*Type: draftCR For: Endorsement  
 38.101-1 v18.0.0 CR- rev Cat: (Rel-18)  
  
 Source: Huawei, Hisilicon*

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

[**R4-2300960**](file:///D:\RAN4%23106\Docs\R4-2300960.zip) **Draft CR for 38.101-1 for additons to CA\_n20A-n75A**

*Type: draftCR For: Endorsement  
 38.101-1 v18.0.0 CR- rev Cat: (Rel-18)  
  
 Source: Huawei, Hisilicon*

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

[**R4-2300961**](file:///D:\RAN4%23106\Docs\R4-2300961.zip) **Draft CR for 38.101-1 for additons to CA\_n1A-n3A**

*Type: draftCR For: Endorsement  
 38.101-1 v18.0.0 CR- rev Cat: (Rel-18)  
  
 Source: Huawei, Hisilicon*

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

[**R4-2300962**](file:///D:\RAN4%23106\Docs\R4-2300962.zip) **Draft CR for 38.101-1 for additons to CA\_n1A-n7A**

*Type: draftCR For: Endorsement  
 38.101-1 v18.0.0 CR- rev Cat: (Rel-18)  
  
 Source: Huawei, Hisilicon*

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

[**R4-2300963**](file:///D:\RAN4%23106\Docs\R4-2300963.zip) **Draft CR for 38.101-1 for additons to CA\_n1A-n75A**

*Type: draftCR For: Endorsement  
 38.101-1 v18.0.0 CR- rev Cat: (Rel-18)  
  
 Source: Huawei, Hisilicon*

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

[**R4-2300964**](file:///D:\RAN4%23106\Docs\R4-2300964.zip) **Draft CR for 38.101-1 t for additons to CA\_n1A-n78A**

*Type: draftCR For: Endorsement  
 38.101-1 v18.0.0 CR- rev Cat: (Rel-18)  
  
 Source: Huawei, Hisilicon*

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

[**R4-2300965**](file:///D:\RAN4%23106\Docs\R4-2300965.zip) **Draft CR for 38.101-1 for additons to CA\_n3A-n7A**

*Type: draftCR For: Endorsement  
 38.101-1 v18.0.0 CR- rev Cat: (Rel-18)  
  
 Source: Huawei, Hisilicon*

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

[**R4-2300966**](file:///D:\RAN4%23106\Docs\R4-2300966.zip) **Draft CR for 38.101-1 for additons to CA\_n3A-n75A**

*Type: draftCR For: Endorsement  
 38.101-1 v18.0.0 CR- rev Cat: (Rel-18)  
  
 Source: Huawei, Hisilicon*

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

[**R4-2300967**](file:///D:\RAN4%23106\Docs\R4-2300967.zip) **Draft CR for 38.101-1 to add CA\_n3A-n78A**

*Type: draftCR For: Endorsement  
 38.101-1 v18.0.0 CR- rev Cat: (Rel-18)  
  
 Source: Huawei, Hisilicon*

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

[**R4-2300968**](file:///D:\RAN4%23106\Docs\R4-2300968.zip) **Draft CR for 38.101-1 for additons to CA\_n7A-n75A**

*Type: draftCR For: Endorsement  
 38.101-1 v18.0.0 CR- rev Cat: (Rel-18)  
  
 Source: Huawei, Hisilicon*

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

[**R4-2300969**](file:///D:\RAN4%23106\Docs\R4-2300969.zip) **Draft CR for 38.101-1 for additons to CA\_n7A-n78A**

*Type: draftCR For: Endorsement  
 38.101-1 v18.0.0 CR- rev Cat: (Rel-18)  
  
 Source: Huawei, Hisilicon*

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

[**R4-2301071**](file:///D:\RAN4%23106\Docs\R4-2301071.zip) **draft CR 38.101-1 to add new 2DL configurations using n78**

*Type: draftCR For: Endorsement  
 38.101-1 v18.0.0 CR- rev Cat: B (Rel-18)  
  
 Source: Ericsson, Huawei*

**Abstract:**

draft CR 38.101-1 to add new 2DL configurations using n78

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

[**R4-2301081**](file:///D:\RAN4%23106\Docs\R4-2301081.zip) **TP for 38.718-02-01 to include CA\_n7-n67**

*Type: pCR For: Approval  
 38.718-02-01 v0.2.0 CR- rev Cat: (Rel-18)  
  
 Source: Ericsson, BT plc*

**Abstract:**

TP for 38.718-02-01 to include CA\_n7-n67

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

[**R4-2301082**](file:///D:\RAN4%23106\Docs\R4-2301082.zip) **TP for 38.718-02-01 to include CA\_n67-n78**

*Type: pCR For: Approval  
 38.718-02-01 v0.2.0 CR- rev Cat: (Rel-18)  
  
 Source: Ericsson, BT plc*

**Abstract:**

TP for 38.718-02-01 to include CA\_n67-n78

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

[**R4-2301125**](file:///D:\RAN4%23106\Docs\R4-2301125.zip) **Draft CR for 38.101-1 to introduce BCS1 for CA\_n2-n48, CA\_n5-n48 and n48-n66**

*Type: draftCR For: Endorsement  
 38.101-1 v18.0.0 CR- rev Cat: B (Rel-18)  
  
 Source: Samsung, Verizon*

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

[**R4-2301128**](file:///D:\RAN4%23106\Docs\R4-2301128.zip) **TP for TR 38.718-02-01 CA\_n18A-n40A**

*Type: pCR For: Approval  
 38.718-02-01 v0.3.0 CR- rev Cat: (Rel-18)  
  
 Source: Samsung, KDDI*

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

[**R4-2301256**](file:///D:\RAN4%23106\Docs\R4-2301256.zip) **draft CR to TS38.101-1: Add missing DC configurations in UE maximum output power for NR DC**

*Type: draftCR For: Endorsement  
 38.101-1 v18.0.0 CR- rev Cat: B (Rel-18)  
  
 Source: ZTE Corporation*

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

[**R4-2301257**](file:///D:\RAN4%23106\Docs\R4-2301257.zip) **draft CR to TS38.101-1\_CA\_n3-n41 BCS4 and 5**

*Type: draftCR For: Endorsement  
 38.101-1 v18.0.0 CR- rev Cat: B (Rel-18)  
  
 Source: ZTE Corporation*

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

[**R4-2301258**](file:///D:\RAN4%23106\Docs\R4-2301258.zip) **draft CR to TS38.101-1\_CA\_n8-n41 BCS4 and 5**

*Type: draftCR For: Endorsement  
 38.101-1 v18.0.0 CR- rev Cat: B (Rel-18)  
  
 Source: ZTE Corporation*

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

[**R4-2301259**](file:///D:\RAN4%23106\Docs\R4-2301259.zip) **draft CR to TS38.101-1\_CA\_n39-n41 BCS4 and 5**

*Type: draftCR For: Endorsement  
 38.101-1 v18.0.0 CR- rev Cat: B (Rel-18)  
  
 Source: ZTE Corporation*

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

[**R4-2301510**](file:///D:\RAN4%23106\Docs\R4-2301510.zip) **draft CR 38.101-1 to add new 2DL CA configurations**

*Type: draftCR For: Endorsement  
 38.101-1 v18.0.0 CR- rev Cat: B (Rel-18)  
  
 Source: Ericsson, STC*

**Abstract:**

draft CR 38.101-1 to add new 2DL CA configurations

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

[**R4-2301689**](file:///D:\RAN4%23106\Docs\R4-2301689.zip) **TP to TR 38.718-02-01 Addition of CA\_n7-n102 and DC\_n7-n102**

*Type: pCR For: Approval  
 38.718-02-01 v0.3.0 CR- rev Cat: (Rel-18)  
  
 Source: Nokia, BT*

Chair: to be treated in Topic#5 NR-U ULCA and A-MPR requirements of [105].

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

[**R4-2301690**](file:///D:\RAN4%23106\Docs\R4-2301690.zip) **TP to TR 38.718-02-01 Addition of CA\_n28-n102 and DC\_n28-n102**

*Type: pCR For: Approval  
 38.718-02-01 v0.3.0 CR- rev Cat: (Rel-18)  
  
 Source: Nokia, BT*

Chair: to be treated in Topic#5 NR-U ULCA and A-MPR requirements of [105].

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

[**R4-2301691**](file:///D:\RAN4%23106\Docs\R4-2301691.zip) **TP to TR 38.718-02-01 Addition of CA\_n1-n102 and DC\_n1-n102**

*Type: pCR For: Approval  
 38.718-02-01 v0.3.0 CR- rev Cat: (Rel-18)  
  
 Source: Nokia, BT*

Chair: to be treated in Topic#5 NR-U ULCA and A-MPR requirements of [105].

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

[**R4-2301694**](file:///D:\RAN4%23106\Docs\R4-2301694.zip) **TP to TR 38.718-02-01 Addition of CA\_n78-n102 and DC\_n78-n102**

*Type: pCR For: Approval  
 38.718-02-01 v0.3.0 CR- rev Cat: (Rel-18)  
  
 Source: Nokia, BT*

Chair: to be treated in Topic#5 NR-U ULCA and A-MPR requirements of [105].

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

[**R4-2301721**](file:///D:\RAN4%23106\Docs\R4-2301721.zip) **TP for TR 38.718-02-01 to include CA\_n26-n28**

*Type: pCR For: Approval  
 38.718-02-01 v0.3.0 CR- rev Cat: (Rel-18)  
  
 Source: MediaTek Inc.*

Chair: be treated in Topic#3 of [105].

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

[**R4-2302038**](file:///D:\RAN4%23106\Docs\R4-2302038.zip) **Draft CR for TS 38.101-1 to introduce CA\_n20A-n78C\_BCS0 and CA\_n3A-n78C\_BCS2**

*Type: draftCR For: Endorsement  
 38.101-1 v18.0.0 CR- rev Cat: (Rel-18)  
  
 Source: Huawei, HiSilicon*

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

[**R4-2302441**](file:///D:\RAN4%23106\Docs\R4-2302441.zip) **Draft CR for 38.101-1: 2BDL/xBUL NR CA corrections**

*Type: draftCR For: Approval  
 38.101-1 v18.0.0 CR- rev Cat: (Rel-18)  
  
 Source: T-Mobile USA*

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

[**R4-2302483**](file:///D:\RAN4%23106\Docs\R4-2302483.zip) **TP for TR 38.718-02-01: support of dual uplink CA\_n7A-n8A**

*Type: pCR For: (not specified)  
 38.718-02-01 v0.3.0 CR- rev Cat: (Rel-18)  
  
 Source: CHTTL*

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

#### 8.10.3 UE RF requirements with FR2 band

[**R4-2300035**](file:///D:\RAN4%23106\Docs\R4-2300035.zip) **Adding missing combinations with n48 and n263**

*Type: CR For: Approval  
 38.101-3 v18.0.0 CR-0808 rev Cat: B (Rel-18)  
  
 Source: Charter Communications, Inc*

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

[**R4-2300154**](file:///D:\RAN4%23106\Docs\R4-2300154.zip) **Support of DL n77(3A) in CA\_n77-n258A/G/H/I/J**

*Type: draftCR For: Endorsement  
 38.101-3 v18.0.0 CR- rev Cat: B (Rel-18)  
  
 Source: SoftBank Corp.*

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

[**R4-2300161**](file:///D:\RAN4%23106\Docs\R4-2300161.zip) **Support of 2B DC\_n77(3A)-n258A/D/G/H/I/J**

*Type: draftCR For: Endorsement  
 38.101-3 v18.0.0 CR- rev Cat: B (Rel-18)  
  
 Source: SoftBank Corp.*

**Abstract:**

This DCR needs an adavnced agreement/endorsement of corresponding 2B CA in [R4-2300154](file:///D:\RAN4%23106\Docs\R4-2300154.zip).

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

[**R4-2300538**](file:///D:\RAN4%23106\Docs\R4-2300538.zip) **Draft CR 38.101-3 to add CA\_n26(2A)-n258A/B/C/D/E/F/G/H/I/J/K/L/M and DC\_n26(2A)-n258A/B/C/D/E/F/G/H/I/J/K/L/M**

*Type: draftCR For: Endorsement  
 38.101-3 v18.0.0 CR- rev Cat: B (Rel-18)  
  
 Source: Ericsson, Telstra*

**Abstract:**

Adding

CA\_n26(2A)-n258A/B/C/D/E/F/G/H/I/J/K/L/M

DC\_n26(2A)-n258A/B/C/D/E/F/G/H/I/J/K/L/M

This draft CR is depending on approval for fallback in “TP for 38.718-01-01 to include CA\_n26(2A)” agenda item 8.1.1.1

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

[**R4-2300655**](file:///D:\RAN4%23106\Docs\R4-2300655.zip) **DraftCR for 38.101-3: NR FR1 and FR2 inter-band CA DC combinations for 2 bands DL with single and 2 bands UL**

*Type: draftCR For: Approval  
 38.101-3 v18.0.0 CR- rev Cat: B (Rel-18)  
  
 Source: Verizon, Ericsson, Samsung*

**Abstract:**

Adding new Inter-band FR1 and CA n260 NR CA configurations

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

[**R4-2301127**](file:///D:\RAN4%23106\Docs\R4-2301127.zip) **Draft CR for 38.101-3 to introduce CA\_n7-n257 and CA\_n25-n257 with BCS4 BCS5**

*Type: draftCR For: Endorsement  
 38.101-3 v18.0.0 CR- rev Cat: B (Rel-18)  
  
 Source: Samsung, Telus, Bell Mobility*

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

[**R4-2301511**](file:///D:\RAN4%23106\Docs\R4-2301511.zip) **draft CR 38.101-3 to add new BCS class and new UL configurations**

*Type: draftCR For: Endorsement  
 38.101-3 v18.0.0 CR- rev Cat: B (Rel-18)  
  
 Source: Ericsson, T-Mobile US*

**Abstract:**

draft CR 38.101-3 to add new BCS class and new UL configurations

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

[**R4-2301686**](file:///D:\RAN4%23106\Docs\R4-2301686.zip) **draftCR additions to CA\_n7-n257I and CA\_n71-n257AGHI and CA\_n66-n257AGHI w BCS 4 and 5**

*Type: draftCR For: Endorsement  
 38.101-3 v18.0.0 CR- rev Cat: B (Rel-18)  
  
 Source: Nokia, Bell, Telus*

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

[**R4-2302442**](file:///D:\RAN4%23106\Docs\R4-2302442.zip) **Draft CR for 38.101-2: 2BDL/xBUL NR CA correction**

*Type: draftCR For: Approval  
 38.101-2 v18.0.0 CR- rev Cat: (Rel-18)  
  
 Source: T-Mobile USA*

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

[**R4-2302443**](file:///D:\RAN4%23106\Docs\R4-2302443.zip) **Draft CR for 38.101-3: 2BDL/xBUL NR CA correction**

*Type: draftCR For: Approval  
 38.101-3 v18.0.0 CR- rev Cat: (Rel-18)  
  
 Source: T-Mobile USA*

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

[**R4-2302492**](file:///D:\RAN4%23106\Docs\R4-2302492.zip) **draft CR for UL support up to CA\_n78A-n257K**

*Type: draftCR For: (not specified)  
 38.101-3 v18.0.0 CR- rev Cat: B (Rel-18)  
  
 Source: CHTTL*

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

### 8.11 Rel-18 NR Inter-band Carrier Aggregation/Dual Connectivity for 3 bands DL with x bands UL (x=1,2)

#### 8.11.1 Rapporteur input (WID/TR/CR)

[**R4-2302552**](file:///D:\RAN4%23106\Docs\R4-2302552.zip) **TR38.718-03-01 v0.4.0 on Rel-18 NR Inter-band Carrier Aggregation/Dual Connectivity for 3 bands DL with x bands UL (x=1,2)**

*Type: draft TR For: Agreement  
 38.718-03-01 v0.4.0 CR- rev Cat: (Rel-18)  
  
 Source: ZTE Corporation*

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

[**R4-2302553**](file:///D:\RAN4%23106\Docs\R4-2302553.zip) **Big CR to reflect the completed NR inter-band CA DC combinations for 3 bands DL with x bands UL (x=1,2) into TS 38.101-1**

*Type: CR For: Agreement  
 38.101-1 v18.0.0 CR-1439 rev Cat: B (Rel-18)  
  
 Source: ZTE Corporation*

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

[**R4-2302554**](file:///D:\RAN4%23106\Docs\R4-2302554.zip) **Big CR to reflect the completed NR inter-band CA DC combinations for 3 bands DL with x bands UL (x=1,2) into TS 38.101-3**

*Type: CR For: Agreement  
 38.101-3 v18.0.0 CR-0884 rev Cat: B (Rel-18)  
  
 Source: ZTE Corporation*

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

[**R4-2302555**](file:///D:\RAN4%23106\Docs\R4-2302555.zip) **Revised WID:Rel-18 NR Inter-band Carrier Aggregation/Dual Connectivity for 3 bands DL with x bands UL (x=1,2)**

*Type: WID revised For: Endorsement  
 Source: ZTE Corporation*

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

#### 8.11.2 UE RF requirements without FR2 band

[**R4-2300151**](file:///D:\RAN4%23106\Docs\R4-2300151.zip) **Support of DL n77(3A) in 3BDL CA\_n1/n3/n28/n41-n77-n79**

*Type: draftCR For: Endorsement  
 38.101-1 v18.0.0 CR- rev Cat: B (Rel-18)  
  
 Source: SoftBank Corp.*

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

[**R4-2300416**](file:///D:\RAN4%23106\Docs\R4-2300416.zip) **Draft CR for TS 38.101-1 Support of CA\_n25-n41-n71 CA\_n25-n71-n77 CA\_n41-n66-n71 CA\_n66-n71-n77**

*Type: draftCR For: Endorsement  
 38.101-1 v18.0.0 CR- rev Cat: B (Rel-18)  
  
 Source: Nokia, T-Mobile USA*

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

[**R4-2300539**](file:///D:\RAN4%23106\Docs\R4-2300539.zip) **Draft CR 38.101-1 to add CA\_n1A/n3A/n7A/n7B-n26A/26(2A)-n78(2A)**

*Type: draftCR For: Endorsement  
 38.101-1 v18.0.0 CR- rev Cat: B (Rel-18)  
  
 Source: Ericsson, Telstra*

**Abstract:**

Adding

CA\_n1A-n3B-n7B,

CA\_n1A-n3A-n26(2A)

CA\_n1A-n3B-n26A

CA\_n1A-n3B-n26(2A)

CA\_n1A-n3B-n78A

CA\_n1A-n3B-n78(2A)

CA\_n1A-n7A-n26(2A)

CA\_n1A-n7B-n26(2A)

CA\_n1A-n7B-n78(2A)

CA\_n1A-n26A-n78(2A)

CA\_n1A-n26(2A)-n78A

CA\_n1A-n26(2A)-n78(2A)

CA\_n3A-n7A-n26(2A)

CA\_

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

[**R4-2300540**](file:///D:\RAN4%23106\Docs\R4-2300540.zip) **Draft CR 38.101-1 to add DC\_n1A-n3A-n67A**

*Type: draftCR For: Endorsement  
 38.101-1 v18.0.0 CR- rev Cat: B (Rel-18)  
  
 Source: Ericsson, BT*

**Abstract:**

Adding DC\_n1A-n3A-n67A

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

[**R4-2300541**](file:///D:\RAN4%23106\Docs\R4-2300541.zip) **TP for 38.718-03-01 to include CA\_n3-n7-n67 and DC\_n3-n7-n67**

*Type: pCR For: Approval  
 38.718-03-01 v0.3.0 CR- rev Cat: (Rel-18)  
  
 Source: Ericsson, BT*

**Abstract:**

This contribution is a text proposal for TR 38.718-03-01 to include CA\_n3-n7-n67

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

[**R4-2300542**](file:///D:\RAN4%23106\Docs\R4-2300542.zip) **TP for 38.718-03-01 to include CA\_n3-n67-n78 and DC\_n3-n67-n78**

*Type: pCR For: Approval  
 38.718-03-01 v0.3.0 CR- rev Cat: (Rel-18)  
  
 Source: Ericsson, BT*

**Abstract:**

This contribution is a text proposal for TR 38.718-03-01 to include CA\_n3-n67-n78 and DC\_n3-n67-n78

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

[**R4-2300543**](file:///D:\RAN4%23106\Docs\R4-2300543.zip) **TP for 38.718-03-01 to include CA\_n3A-n20A-n28A**

*Type: pCR For: Approval  
 38.718-03-01 v0.3.0 CR- rev Cat: (Rel-18)  
  
 Source: Ericsson, BT*

**Abstract:**

This contribution is a text proposal for TR 38.718-03-01 to include CA\_n3A-n20A-n28A

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

[**R4-2300666**](file:///D:\RAN4%23106\Docs\R4-2300666.zip) **DraftCR for 38.101-1: NR inter-band CA DC combinations for 3 bands DL with 2 bands UL**

*Type: draftCR For: Approval  
 38.101-1 v18.0.0 CR- rev Cat: B (Rel-18)  
  
 Source: Verizon, Ericsson, Samsung*

**Abstract:**

Introduce the configuration of uplink CA\_n48B based on 38.101-1 18.0.0

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

[**R4-2301067**](file:///D:\RAN4%23106\Docs\R4-2301067.zip) **draft CR 38.101-1 for corrections NR CA 3DL**

*Type: draftCR For: Endorsement  
 38.101-1 v18.0.0 CR- rev Cat: F (Rel-18)  
  
 Source: Ericsson*

**Abstract:**

draft CR 38.101-1 for corrections NR CA 3DL

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

[**R4-2301072**](file:///D:\RAN4%23106\Docs\R4-2301072.zip) **draft CR 38.101-1 to add new 3DL configurations using n78**

*Type: draftCR For: Endorsement  
 38.101-1 v18.0.0 CR- rev Cat: B (Rel-18)  
  
 Source: Ericsson, Huawei*

**Abstract:**

draft CR 38.101-1 to add new 3DL configurations using n78

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

[**R4-2301075**](file:///D:\RAN4%23106\Docs\R4-2301075.zip) **TP for 38.718-03-01 to include CA\_n1-n3-n40**

*Type: pCR For: Approval  
 38.718-03-01 v0.2.0 CR- rev Cat: (Rel-18)  
  
 Source: Ericsson*

**Abstract:**

TP for 38.718-03-01 to include CA\_n1-n3-n40

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

[**R4-2301076**](file:///D:\RAN4%23106\Docs\R4-2301076.zip) **draft CR to add new 3DL BCS’s**

*Type: draftCR For: Endorsement  
 38.101-1 v18.0.0 CR- rev Cat: B (Rel-18)  
  
 Source: Ericsson*

**Abstract:**

draft CR to add new 3DL BCS’s

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

[**R4-2301077**](file:///D:\RAN4%23106\Docs\R4-2301077.zip) **TP for 38.718-03-01 to include CA\_n1-n40-n77**

*Type: pCR For: Approval  
 38.718-03-01 v0.2.0 CR- rev Cat: (Rel-18)  
  
 Source: Ericsson*

**Abstract:**

TP for 38.718-03-01 to include CA\_n1-n40-n77

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

[**R4-2301078**](file:///D:\RAN4%23106\Docs\R4-2301078.zip) **TP for 38.718-03-01 to include CA\_n3-n40-n77**

*Type: pCR For: Approval  
 38.718-03-01 v0.2.0 CR- rev Cat: (Rel-18)  
  
 Source: Ericsson*

**Abstract:**

TP for 38.718-03-01 to include CA\_n3-n40-n77

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

[**R4-2301079**](file:///D:\RAN4%23106\Docs\R4-2301079.zip) **TP for 38.718-03-01 to include CA\_n28-n40-n77**

*Type: pCR For: Approval  
 38.718-03-01 v0.2.0 CR- rev Cat: (Rel-18)  
  
 Source: Ericsson*

**Abstract:**

TP for 38.718-03-01 to include CA\_n28-n40-n77

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

[**R4-2301260**](file:///D:\RAN4%23106\Docs\R4-2301260.zip) **draft CR to TS38.101-3\_CA\_n40A-n79A-n258A**

*Type: draftCR For: Endorsement  
 38.101-1 v18.0.0 CR- rev Cat: B (Rel-18)  
  
 Source: ZTE Corporation*

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

[**R4-2301508**](file:///D:\RAN4%23106\Docs\R4-2301508.zip) **draft CR 38.101-1 to add new 3DL CA configurations**

*Type: draftCR For: Endorsement  
 38.101-1 v18.0.0 CR- rev Cat: B (Rel-18)  
  
 Source: Ericsson, AT&T*

**Abstract:**

draft CR 38.101-1 to add new 3DL CA configurations

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

[**R4-2301687**](file:///D:\RAN4%23106\Docs\R4-2301687.zip) **draftCR additions to 3CA combinations of n2 n29 n66 n77**

*Type: draftCR For: Endorsement  
 38.101-1 v18.0.0 CR- rev Cat: B (Rel-18)  
  
 Source: Nokia, AT&T*

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

[**R4-2302039**](file:///D:\RAN4%23106\Docs\R4-2302039.zip) **Draft CR for TS 38.101-1 to introduce CA\_n3A-n28A-n78C CA\_n3A-n7A-n78C CA\_n7A-n28A-n78C**

*Type: draftCR For: Endorsement  
 38.101-1 v18.0.0 CR- rev Cat: (Rel-18)  
  
 Source: Huawei, HiSilicon*

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

[**R4-2302040**](file:///D:\RAN4%23106\Docs\R4-2302040.zip) **TP for TR 38.718-03-01 to introduce CA\_n3A-n7A-n79A\_BCS0**

*Type: pCR For: Approval  
 38.718-03-01 v0.2.0 CR- rev Cat: (Rel-18)  
  
 Source: Huawei, HiSilicon*

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

[**R4-2302444**](file:///D:\RAN4%23106\Docs\R4-2302444.zip) **Draft CR for 38.101-1: 3BDL/xBUL NR CA corrections**

*Type: draftCR For: Approval  
 38.101-1 v18.0.0 CR- rev Cat: (Rel-18)  
  
 Source: T-Mobile USA*

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

[**R4-2302499**](file:///D:\RAN4%23106\Docs\R4-2302499.zip) **TP for TR 38.718-03-01: support of CA\_n1-n3-n8 2UL/3DL**

*Type: pCR For: Approval  
 38.718-03-01 v0.3.0 CR- rev Cat: (Rel-18)  
  
 Source: CHTTL*

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

[**R4-2302512**](file:///D:\RAN4%23106\Docs\R4-2302512.zip) **draft CR for CA\_n1A-n3A-n7A, CA\_n3A-n7A-n78A 3DL/2UL**

*Type: draftCR For: Approval  
 38.101-1 v18.0.0 CR- rev Cat: B (Rel-18)  
  
 Source: CHTTL*

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

#### 8.11.3 UE RF requirements with FR2 band

[**R4-2300155**](file:///D:\RAN4%23106\Docs\R4-2300155.zip) **Support of UL Intra-CA of CA\_n257G-I in CA\_n41A-n77A-n257G/H/I**

*Type: draftCR For: Endorsement  
 38.101-3 v18.0.0 CR- rev Cat: B (Rel-18)  
  
 Source: SoftBank Corp.*

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

[**R4-2300156**](file:///D:\RAN4%23106\Docs\R4-2300156.zip) **Support of DL n77(3A) in CA\_n1-n77-n257, n41-n77-n257 and n77-n79-n257**

*Type: draftCR For: Endorsement  
 38.101-3 v18.0.0 CR- rev Cat: B (Rel-18)  
  
 Source: SoftBank Corp.*

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

[**R4-2300667**](file:///D:\RAN4%23106\Docs\R4-2300667.zip) **DraftCR for 38.101-3: NR FR1 and FR2 inter-band CA DC combinations for 3 bands DL with single and 2 bands UL**

*Type: draftCR For: Approval  
 38.101-3 v18.0.0 CR- rev Cat: B (Rel-18)  
  
 Source: Verizon, Ericsson, Samsung*

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

[**R4-2301068**](file:///D:\RAN4%23106\Docs\R4-2301068.zip) **draft CR 38.101-3 for corrections NR CA 3DL**

*Type: draftCR For: Endorsement  
 38.101-3 v18.0.0 CR- rev Cat: F (Rel-18)  
  
 Source: Ericsson*

**Abstract:**

draft CR 38.101-3 for corrections NR CA 3DL

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

[**R4-2301126**](file:///D:\RAN4%23106\Docs\R4-2301126.zip) **Draft CR for 38.101-3 to introduce CA\_n7-n25-n257 with BCS4 BCS5**

*Type: draftCR For: Endorsement  
 38.101-3 v18.0.0 CR- rev Cat: B (Rel-18)  
  
 Source: Samsung, Telus, Bell Mobility*

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

[**R4-2301685**](file:///D:\RAN4%23106\Docs\R4-2301685.zip) **draftCR additions to CA\_n7A-n66A-n257AIGH and CA\_n7A-n66A-n257AIGH w BCS 4 and 5 combinations**

*Type: draftCR For: Endorsement  
 38.101-3 v18.0.0 CR- rev Cat: B (Rel-18)  
  
 Source: Nokia, Bell, Telus*

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

[**R4-2302515**](file:///D:\RAN4%23106\Docs\R4-2302515.zip) **draft CR for UL support up to n257K for CA\_n1A-n78A-n257J, CA\_n1A-n78A-n257K**

*Type: draftCR For: Approval  
 38.101-3 v18.0.0 CR- rev Cat: B (Rel-18)  
  
 Source: CHTTL*

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

### 8.12 Rel-18 NR Inter-band Carrier Aggregation/Dual Connectivity for y bands DL with x bands UL (y=4,5,6, x=1,2)

#### 8.12.1 Rapporteur input (WID/TR/CR)

[**R4-2301498**](file:///D:\RAN4%23106\Docs\R4-2301498.zip) **Revised WID NR Inter-band CA/DC for y bands DL (y=4, 5, 6) with x bands UL (x=1, 2)**

*Type: WID revised For: Endorsement  
 Source: Ericsson*

**Abstract:**

Revised WID NR Inter-band CA/DC for y bands DL (y=4, 5, 6) with x bands UL (x=1, 2)

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

[**R4-2301499**](file:///D:\RAN4%23106\Docs\R4-2301499.zip) **big CR 38.101-1 NR Inter-band CA/DC for y bands DL (y=4, 5, 6) with x bands UL (x=1, 2)**

*Type: CR For: Agreement  
 38.101-1 v18.0.0 CR-1385 rev Cat: B (Rel-18)  
  
 Source: Ericsson*

**Abstract:**

big CR 38.101-1 NR Inter-band CA/DC for y bands DL (y=4, 5, 6) with x bands UL (x=1, 2)

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

[**R4-2301500**](file:///D:\RAN4%23106\Docs\R4-2301500.zip) **big CR 38.101-3 NR Inter-band CA/DC for y bands DL (y=4, 5, 6) with x bands UL (x=1, 2)**

*Type: CR For: Agreement  
 38.101-3 v18.0.0 CR-0851 rev Cat: B (Rel-18)  
  
 Source: Ericsson*

**Abstract:**

big CR 38.101-3 NR Inter-band CA/DC for y bands DL (y=4, 5, 6) with x bands UL (x=1, 2)

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

#### 8.12.2 UE RF requirements without FR2 band

[**R4-2300152**](file:///D:\RAN4%23106\Docs\R4-2300152.zip) **Support of DL n77(2A) in 4BDL CA\_n1/n3/n28-n41A-n77-n79A**

*Type: draftCR For: Endorsement  
 38.101-1 v18.0.0 CR- rev Cat: B (Rel-18)  
  
 Source: SoftBank Corp.*

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

[**R4-2300153**](file:///D:\RAN4%23106\Docs\R4-2300153.zip) **Support of 5BDL/2BUL CA\_n3A-n28A-n41A-n77A-n79A**

*Type: draftCR For: Endorsement  
 38.101-1 v18.0.0 CR- rev Cat: B (Rel-18)  
  
 Source: SoftBank Corp.*

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

[**R4-2300159**](file:///D:\RAN4%23106\Docs\R4-2300159.zip) **Support of 4BDL 2BUL DC\_n1A-n3A-n41A-n79A, DC\_n3A-n28A-n41A-n79A and DC\_n3A-n41A-n77A-n79A**

*Type: draftCR For: Endorsement  
 38.101-1 v18.0.0 CR- rev Cat: B (Rel-18)  
  
 Source: SoftBank Corp.*

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

[**R4-2300160**](file:///D:\RAN4%23106\Docs\R4-2300160.zip) **Support of 5B DC\_n1A-n3A-n28A-n41A-n77A, DC\_n1A-n3A-n28A-n41A-n79A, DC\_n1A-n3A-n28A-n77A-n79A, DC\_n1A-n3A-n41A-n77A-n79A, DC\_n1A-n28A-n41A-n77A-n79A, DC\_n3A-n28A-n41A-n77A-n79A**

*Type: draftCR For: Endorsement  
 38.101-1 v18.0.0 CR- rev Cat: B (Rel-18)  
  
 Source: SoftBank Corp.*

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

[**R4-2300415**](file:///D:\RAN4%23106\Docs\R4-2300415.zip) **Draft CR for TS 38.101-1 Support of CA\_n25-n41-n71\_n77 CA\_n41-n66-n71-n77**

*Type: draftCR For: Endorsement  
 38.101-1 v18.0.0 CR- rev Cat: B (Rel-18)  
  
 Source: Nokia, T-Mobile USA*

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

[**R4-2301069**](file:///D:\RAN4%23106\Docs\R4-2301069.zip) **draft CR 38.101-1 for corrections NR CA 4DL and 5DL**

*Type: draftCR For: Endorsement  
 38.101-1 v18.0.0 CR- rev Cat: F (Rel-18)  
  
 Source: Ericsson*

**Abstract:**

draft CR 38.101-1 for corrections NR CA 4DL and 5DL

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

[**R4-2301074**](file:///D:\RAN4%23106\Docs\R4-2301074.zip) **draft CR 38.101-1 to add new 4DL configurations**

*Type: draftCR For: Endorsement  
 38.101-1 v18.0.0 CR- rev Cat: B (Rel-18)  
  
 Source: Ericsson, Telstra*

**Abstract:**

This draft CR is depending on approval for fallback in TP for 38.718-01-01 to include CA\_n26(2A) submitted in agenda item 8.1.1.1

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

[**R4-2301080**](file:///D:\RAN4%23106\Docs\R4-2301080.zip) **draft CR 38.101-1 to add new 4DL combinations**

*Type: draftCR For: Endorsement  
 38.101-1 v18.0.0 CR- rev Cat: B (Rel-18)  
  
 Source: Ericsson*

**Abstract:**

draft CR 38.101-1 to add new 4DL combinations

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

[**R4-2301509**](file:///D:\RAN4%23106\Docs\R4-2301509.zip) **draft CR 38.101-1 to add new 4DL CA configurations**

*Type: draftCR For: Endorsement  
 38.101-1 v18.0.0 CR- rev Cat: B (Rel-18)  
  
 Source: Ericsson, AT&T*

**Abstract:**

draft CR 38.101-1 to add new 4DL CA configurations

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

[**R4-2301688**](file:///D:\RAN4%23106\Docs\R4-2301688.zip) **draftCR additions to 4CA and 5CA combinations of n2 n29 n30 n66 n77**

*Type: draftCR For: Endorsement  
 38.101-1 v18.0.0 CR- rev Cat: B (Rel-18)  
  
 Source: Nokia, AT&T*

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

[**R4-2302445**](file:///D:\RAN4%23106\Docs\R4-2302445.zip) **Draft CR for 38.101-1: yBDL/xBUL NR CA corrections**

*Type: draftCR For: Approval  
 38.101-1 v18.0.0 CR- rev Cat: (Rel-18)  
  
 Source: T-Mobile USA*

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

#### 8.12.3 UE RF requirements with FR2 band

[**R4-2300150**](file:///D:\RAN4%23106\Docs\R4-2300150.zip) **Correction of UL configuration/CBW in CA\_n1A-n3A-n28A-n77A-n257A (R18)**

*Type: draftCR For: Endorsement  
 38.101-3 v18.0.0 CR- rev Cat: F (Rel-18)  
  
 Source: SoftBank Corp.*

**Abstract:**

The corrections of proposing wrong bands(n79A instead of n257A)are made.

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

[**R4-2300157**](file:///D:\RAN4%23106\Docs\R4-2300157.zip) **Support of DL n77(2A) in CA\_n3-n41-n77-n257, n28-n41-n77-n257 and n41-n77-n79-n257**

*Type: draftCR For: Endorsement  
 38.101-3 v18.0.0 CR- rev Cat: B (Rel-18)  
  
 Source: SoftBank Corp.*

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

[**R4-2300158**](file:///D:\RAN4%23106\Docs\R4-2300158.zip) **Support of 5BDL and 2BUL of CA\_n1A-n3A-n41A-n79A-n257A/G/H/I, CA\_n3A-n28A-n41A-n79A-n257A/G/H/I, CA\_n3A-n41A-n77A-n79A-n257A/G/H/I, CA\_n28A-n41A-n77A-n79A-n257A/G/H/I**

*Type: draftCR For: Endorsement  
 38.101-3 v18.0.0 CR- rev Cat: B (Rel-18)  
  
 Source: SoftBank Corp.*

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

[**R4-2301512**](file:///D:\RAN4%23106\Docs\R4-2301512.zip) **draft CR 38.101-3 to add new CADC 4DL configurations**

*Type: draftCR For: Endorsement  
 38.101-3 v18.0.0 CR- rev Cat: B (Rel-18)  
  
 Source: Ericsson, Verizon*

**Abstract:**

draft CR 38.101-3 to add new CADC 4DL configurations

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

### 8.13 Rel-18 Band combinations for SA NR supplementary uplink (SUL), NSA NR SUL, NSA NR SUL with UL sharing from the UE perspective (ULSUP)

#### 8.13.1 Rapporteur input (WID/TR/CR)

[**R4-2302032**](file:///D:\RAN4%23106\Docs\R4-2302032.zip) **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*

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

[**R4-2302033**](file:///D:\RAN4%23106\Docs\R4-2302033.zip) **Draft TR 37.718-00-00 v0.3.0**

*Type: draft TR For: Approval  
 37.718-00-00 v0.3.0 CR- rev Cat: (Rel-18)  
  
 Source: Huawei, HiSilicon*

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

[**R4-2302034**](file:///D:\RAN4%23106\Docs\R4-2302034.zip) **Big CR on Introduction of completed SUL band combinations into TS 38.101-1**

*Type: CR For: Agreement  
 38.101-1 v18.0.0 CR-1403 rev Cat: B (Rel-18)  
  
 Source: Huawei, HiSilicon*

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

#### 8.13.2 UE RF requirements

[**R4-2302041**](file:///D:\RAN4%23106\Docs\R4-2302041.zip) **TP for TR 37.718-00-00 to introduce CA\_n8A\_SUL\_n78A-n81A**

*Type: pCR For: Approval  
 37.718-00-00 v0.2.0 CR- rev Cat: (Rel-18)  
  
 Source: Huawei, HiSilicon*

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

[**R4-2302042**](file:///D:\RAN4%23106\Docs\R4-2302042.zip) **TP for TR 37.718-00-00 to improve wording in Tib and Rib tables**

*Type: pCR For: Approval  
 37.718-00-00 v0.2.0 CR- rev Cat: (Rel-18)  
  
 Source: Huawei, HiSilicon*

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

[**R4-2302055**](file:///D:\RAN4%23106\Docs\R4-2302055.zip) **SUL\_n1A-n81A**

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

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

[**R4-2302056**](file:///D:\RAN4%23106\Docs\R4-2302056.zip) **SUL\_n3A-n84A**

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

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

[**R4-2302057**](file:///D:\RAN4%23106\Docs\R4-2302057.zip) **SUL\_n1A-n89A**

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

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

[**R4-2302058**](file:///D:\RAN4%23106\Docs\R4-2302058.zip) **SUL\_n1A-n80A**

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

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

[**R4-2302059**](file:///D:\RAN4%23106\Docs\R4-2302059.zip) **SUL\_n78A-n89A**

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

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

[**R4-2302060**](file:///D:\RAN4%23106\Docs\R4-2302060.zip) **CA\_n78A\_SUL\_n1A-n81A**

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

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

[**R4-2302061**](file:///D:\RAN4%23106\Docs\R4-2302061.zip) **CA\_n78A\_SUL\_n3A-n84A**

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

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

[**R4-2302062**](file:///D:\RAN4%23106\Docs\R4-2302062.zip) **CA\_n78A\_SUL\_n1A-n89A**

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

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

[**R4-2302063**](file:///D:\RAN4%23106\Docs\R4-2302063.zip) **CA\_n78A\_SUL\_n1A-n80A**

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

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

### 8.14 NR CA band combinations with two SUL cells in Rel-18

#### 8.14.1 Rapporteur input (WID/TR/CR)

[**R4-2300809**](file:///D:\RAN4%23106\Docs\R4-2300809.zip) **TR skeleton for TR 38.718-00-02: NR Carrier Aggregation band combinations with two SUL cells**

*Type: draft TR For: Approval  
 38.718-00-02 v0.0.1 CR- rev Cat: (Rel-18)  
  
 Source: CMCC*

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

[**R4-2300810**](file:///D:\RAN4%23106\Docs\R4-2300810.zip) **Revised WID: NR CA band combinations with two SUL cells in Rel-18**

*Type: other For: Endorsement  
 Source: CMCC*

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

[**R4-2300811**](file:///D:\RAN4%23106\Docs\R4-2300811.zip) **Big CR for NR CA band combinations with two SUL cells in Rel-18**

*Type: CR For: Approval  
 38.101-1 v18.0.0 CR-1339 rev Cat: B (Rel-18)  
  
 Source: CMCC*

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

#### 8.14.2 UE RF requirements

**[115] Topic #1: NR CA band combinations with two SUL cells in Rel-18**

[**R4-2300417**](file:///D:\RAN4%23106\Docs\R4-2300417.zip) **Double SUL Acronymn**

*Type: discussion For: Discussion  
 Source: Nokia*

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

TP/draft CR

[**R4-2300812**](file:///D:\RAN4%23106\Docs\R4-2300812.zip) **TP for CA\_SUL\_n41A-n83A\_SUL\_n79A-n95A for TR 38.718-00-02**

*Type: other For: Approval  
 Source: CMCC*

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

[**R4-2300813**](file:///D:\RAN4%23106\Docs\R4-2300813.zip) **TP for CA\_SUL\_n41A-n83A\_SUL\_n79A-n98A for TR 38.718-00-02**

*Type: other For: Approval  
 Source: CMCC*

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

[**R4-2300814**](file:///D:\RAN4%23106\Docs\R4-2300814.zip) **TP for CA\_SUL\_n41A-n95A\_SUL\_n79A-n98A for TR 38.718-00-02**

*Type: other For: Approval  
 Source: CMCC*

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

[**R4-2300815**](file:///D:\RAN4%23106\Docs\R4-2300815.zip) **TP for CA\_SUL\_n41A-n98A\_SUL\_n79A-n95A for TR 38.718-00-02**

*Type: other For: Approval  
 Source: CMCC*

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

[**R4-2301379**](file:///D:\RAN4%23106\Docs\R4-2301379.zip) **Draft CR for 38.101-1 to add NR CA configuration CA\_SUL\_n78A-n80A\_SUL\_n78A-n84A and CA\_SUL\_n78A-n81A\_SUL\_n78A-n84A.**

*Type: draftCR For: Endorsement  
 38.101-1 v18.0.0 CR- rev Cat: B (Rel-18)  
  
 Source: China Telecom*

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

[**R4-2301380**](file:///D:\RAN4%23106\Docs\R4-2301380.zip) **TP for TR 37.718-00-02 to introduce SUL configuration CA\_ SUL\_n78A-n80A\_SUL\_n78A-n84A**

*Type: pCR For: Approval  
 38.718-00-02 v0.0.0 CR- rev Cat: (Rel-18)  
  
 Source: China Telecom*

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

[**R4-2301381**](file:///D:\RAN4%23106\Docs\R4-2301381.zip) **TP for TR 38.718-00-02 to introduce SUL configuration CA\_ SUL\_n78A-n81A\_SUL\_n78A-n84A**

*Type: pCR For: Approval  
 38.718-00-02 v0.0.0 CR- rev Cat: (Rel-18)  
  
 Source: China Telecom*

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

[**R4-2302066**](file:///D:\RAN4%23106\Docs\R4-2302066.zip) **On the notation of two SUL cells**

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

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

### 8.15 Rel-18 band combinations for concurrent operation of NR/LTE Uu bands/band combinations and one NR/LTE V2X PC5 band

#### 8.15.1 Rapporteur input (WID/TR/CR)

#### 8.15.2 UE RF requirements

**[115] Topic #2: Rel-18 band combinations for concurrent operation of NR/LTE Uu bands/band combinations and one NR/LTE V2X PC5 band**

[**R4-2300730**](file:///D:\RAN4%23106\Docs\R4-2300730.zip) **CR to introduce emissions specifications for certain band combinations**

*Type: CR For: Agreement  
 38.101-3 v18.0.0 CR-0823 rev Cat: F (Rel-18)  
  
 Source: Qualcomm Incorporated*

**Abstract:**

CR to add spurious emissions specifications for certain LTE\_V2X band combinations in TS38.101-3

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

### 8.16 High-power UE operation for fixed-wireless/vehicle-mounted use cases in LTE bands and NR bands

#### 8.16.1 Rapporteur input (WID/TR/CR)

[**R4-2300418**](file:///D:\RAN4%23106\Docs\R4-2300418.zip) **Revised WID: High-power UE operation for fixed-wireless/vehicle-mounted use cases in LTE bands and NR bands**

*Type: WID revised For: Information  
 Source: Nokia*

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

[**R4-2300419**](file:///D:\RAN4%23106\Docs\R4-2300419.zip) **TR 37.829 v0.4.0**

*Type: draft TR For: Agreement  
 37.829 v0.4.0 CR- rev Cat: (Rel-18)  
  
 Source: Nokia*

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

[**R4-2300420**](file:///D:\RAN4%23106\Docs\R4-2300420.zip) **Big CR for High-power UE operation for fixed-wireless/vehicle-mounted use cases in LTE bands and NR bands**

*Type: CR For: Agreement  
 38.101-1 v18.0.0 CR-1318 rev Cat: B (Rel-18)  
  
 Source: Nokia*

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

#### 8.16.2 UE RF requirements

**[110] Topic #1: coexistence study**

[**R4-2300190**](file:///D:\RAN4%23106\Docs\R4-2300190.zip) **System level simulation results for coexistence study on 31dBm UE Power Class for LTE Band 41 and NR Band n41**

*Type: discussion For: Discussion  
 Source: Nokia, Nokia Shanghai Bell*

**Abstract:**

This contribution provides the system level simulation results according to the system level simulation methodology and assumptions for coexistence study on 31 dBm UE Power Class for LTE Band 41 and NR Band n41.

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

CR

[**R4-2300189**](file:///D:\RAN4%23106\Docs\R4-2300189.zip) **TP to TR 37.829: System level simulation methodology and assumptions for coexistence study on 31dBm UE Power Class for LTE Band 41 and NR Band n41**

*Type: pCR For: Approval  
 37.829 v0.3.0 CR- rev Cat: (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Abstract:**

This contribution proposes the system level simulation methodology and assumptions for coexistence study on 31 dBm UE Power Class for LTE Band 41 and NR Band n41, and provides a text proposal to record the simulation methodology and assumptions into a new

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

**[110] Topic #2: UE RF requirements**

TP/CR/draft

[**R4-2300421**](file:///D:\RAN4%23106\Docs\R4-2300421.zip) **draftCR 38.101-1 FWA addition of bands n100 and n101**

*Type: draftCR For: Endorsement  
 38.101-1 v18.0.0 CR- rev Cat: B (Rel-18)  
  
 Source: Nokia*

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

[**R4-2300422**](file:///D:\RAN4%23106\Docs\R4-2300422.zip) **TP to TR 37.829: ECC Decision (20)02 analysis for n100 and n101 for PC1 operation.**

*Type: pCR For: Approval  
 37.829 v0.3.0 CR- rev Cat: (Rel-18)  
  
 Source: Nokia, UIC*

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

[**R4-2300423**](file:///D:\RAN4%23106\Docs\R4-2300423.zip) **CR to 38.101-1: Corection to PC1 UTRA ACLR for bands n71 and n85.**

*Type: CR For: Agreement  
 38.101-1 v17.8.0 CR-1319 rev Cat: F (Rel-17)  
  
 Source: Nokia*

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

[**R4-2300424**](file:///D:\RAN4%23106\Docs\R4-2300424.zip) **CR to 38.101-1: Corection to PC1 UTRA ACLR for bands n71 and n85.**

*Type: CR For: Agreement  
 38.101-1 v18.0.0 CR-1320 rev Cat: A (Rel-18)  
  
 Source: Nokia*

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

### 8.17 CAB-radio - High Power UE support for band n100 and n101 for Rail Mobile Radio (RMR) in Europe

#### 8.17.1 Rapporteur input (WID/TR/CR)

#### 8.17.2 UE RF requirements

**[110] Topic #2: UE RF requirements**

[**R4-2302471**](file:///D:\RAN4%23106\Docs\R4-2302471.zip) **Initial discussion on the regulatory requirements for cab-radio operating in RMR bands n100 and n101**

*Type: discussion For: Discussion  
 Source: Huawei, HiSilicon*

**Abstract:**

In this contribution we provide initial discussion on the regulatory requirements cab-radio operating in RMR n100/n101 bands.

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

[**R4-2302633**](file:///D:\RAN4%23106\Docs\R4-2302633.zip) **Band n100 protection by band n8**

*Type: other For: Approval  
 38.101-1 v CR- rev Cat: (Rel-18)  
  
 Source: Skyworks Solutions Inc.*

**Abstract:**

For the PC3 band n100 case, the TS 38.101-1 grants a -50dBm/MHz protection by band 8. In this contribution we show that this is not feasible.

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

### 8.18 High power for FR1 for DC\_R18\_xBLTE\_yBNR\_zDLnUL with power class PC2 and PC1.5

#### 8.18.1 Rapporteur input (WID/TR/CR)

[**R4-2301060**](file:///D:\RAN4%23106\Docs\R4-2301060.zip) **Revised WID on PC1.5 and PC2 EN-DC combinations with xLTE bands + yNR bands**

*Type: WID revised For: Endorsement  
 Source: Ericsson*

**Abstract:**

Revised WID on PC1.5 and PC2 EN-DC combinations with xLTE bands + yNR bands

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

[**R4-2301061**](file:///D:\RAN4%23106\Docs\R4-2301061.zip) **big CR 38.101-3 new combinations Rel-18 EN-DC HPUE**

*Type: CR For: Agreement  
 38.101-3 v18.0.0 CR-0826 rev Cat: B (Rel-18)  
  
 Source: Ericsson*

**Abstract:**

big CR 38.101-3 new combinations Rel-18 EN-DC HPUE

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

[**R4-2301062**](file:///D:\RAN4%23106\Docs\R4-2301062.zip) **TR 38.898 v0.2.0 Rel-18 High power UE for FR1 for DC\_R18\_xBLTE\_yBNR\_zDLnUL**

*Type: draft TR For: Endorsement  
 38.898 v0.1.0 CR- rev Cat: (Rel-18)  
  
 Source: Ericsson*

**Abstract:**

TR 38.898 v0.2.0 Rel-18 High power UE for FR1 for DC\_R18\_xBLTE\_yBNR\_zDLnUL

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

#### 8.18.2 UE RF requirements

[**R4-2300026**](file:///D:\RAN4%23106\Docs\R4-2300026.zip) **DraftCR 38.101-3 Addition of PC2 EN-DC Combinations**

*Type: draftCR For: Endorsement  
 38.101-3 v18.0.0 CR- rev Cat: (Rel-18)  
  
 Source: AT&T*

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

[**R4-2301298**](file:///D:\RAN4%23106\Docs\R4-2301298.zip) **TP for PC2 DC\_1\_n77 for TR 38.898**

*Type: pCR For: Approval  
 38.898 v0.1.0 CR- rev Cat: (Rel-18)  
  
 Source: NTT DOCOMO, INC.*

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

[**R4-2301299**](file:///D:\RAN4%23106\Docs\R4-2301299.zip) **TP for PC2 DC\_3\_n77 for TR 38.898**

*Type: pCR For: Approval  
 38.898 v0.1.0 CR- rev Cat: (Rel-18)  
  
 Source: NTT DOCOMO, INC.*

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

[**R4-2301300**](file:///D:\RAN4%23106\Docs\R4-2301300.zip) **TP for PC2 DC\_21\_n77 for TR 38.898**

*Type: pCR For: Approval  
 38.898 v0.1.0 CR- rev Cat: (Rel-18)  
  
 Source: NTT DOCOMO, INC.*

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

[**R4-2301301**](file:///D:\RAN4%23106\Docs\R4-2301301.zip) **TP for PC2 DC\_21\_n78 for TR 38.898**

*Type: pCR For: Approval  
 38.898 v0.1.0 CR- rev Cat: (Rel-18)  
  
 Source: NTT DOCOMO, INC.*

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

[**R4-2301302**](file:///D:\RAN4%23106\Docs\R4-2301302.zip) **TP for PC2 DC\_1\_n77-n79 for TR 38.898**

*Type: pCR For: Approval  
 38.898 v0.1.0 CR- rev Cat: (Rel-18)  
  
 Source: NTT DOCOMO, INC.*

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

[**R4-2301303**](file:///D:\RAN4%23106\Docs\R4-2301303.zip) **TP for PC2 DC\_3\_n77-n79 for TR 38.898**

*Type: pCR For: Approval  
 38.898 v0.1.0 CR- rev Cat: (Rel-18)  
  
 Source: NTT DOCOMO, INC.*

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

[**R4-2301304**](file:///D:\RAN4%23106\Docs\R4-2301304.zip) **TP for PC2 DC\_21\_n77-n79 for TR 38.898**

*Type: pCR For: Approval  
 38.898 v0.1.0 CR- rev Cat: (Rel-18)  
  
 Source: NTT DOCOMO, INC.*

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

[**R4-2301305**](file:///D:\RAN4%23106\Docs\R4-2301305.zip) **TP for PC2 DC\_1\_n78-n79 for TR 38.898**

*Type: pCR For: Approval  
 38.898 v0.1.0 CR- rev Cat: (Rel-18)  
  
 Source: NTT DOCOMO, INC.*

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

[**R4-2301306**](file:///D:\RAN4%23106\Docs\R4-2301306.zip) **TP for PC2 DC\_3\_n78-n79 for TR 38.898**

*Type: pCR For: Approval  
 38.898 v0.1.0 CR- rev Cat: (Rel-18)  
  
 Source: NTT DOCOMO, INC.*

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

[**R4-2301307**](file:///D:\RAN4%23106\Docs\R4-2301307.zip) **TP for PC2 DC\_21\_n78-n79 for TR 38.898**

*Type: pCR For: Approval  
 38.898 v0.1.0 CR- rev Cat: (Rel-18)  
  
 Source: NTT DOCOMO, INC.*

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

[**R4-2301308**](file:///D:\RAN4%23106\Docs\R4-2301308.zip) **TP for PC2 DC\_1-3\_n77 for TR 38.898**

*Type: pCR For: Approval  
 38.898 v0.1.0 CR- rev Cat: (Rel-18)  
  
 Source: NTT DOCOMO, INC.*

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

[**R4-2301309**](file:///D:\RAN4%23106\Docs\R4-2301309.zip) **TP for PC2 DC\_1-21\_n77 for TR 38.898**

*Type: pCR For: Approval  
 38.898 v0.1.0 CR- rev Cat: (Rel-18)  
  
 Source: NTT DOCOMO, INC.*

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

[**R4-2301310**](file:///D:\RAN4%23106\Docs\R4-2301310.zip) **TP for PC2 DC\_1-42\_n77 for TR 38.898**

*Type: pCR For: Approval  
 38.898 v0.1.0 CR- rev Cat: (Rel-18)  
  
 Source: NTT DOCOMO, INC.*

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

[**R4-2301311**](file:///D:\RAN4%23106\Docs\R4-2301311.zip) **TP for PC2 DC\_3-21\_n77 for TR 38.898**

*Type: pCR For: Approval  
 38.898 v0.1.0 CR- rev Cat: (Rel-18)  
  
 Source: NTT DOCOMO, INC.*

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

[**R4-2301312**](file:///D:\RAN4%23106\Docs\R4-2301312.zip) **TP for PC2 DC\_3-42\_n77 for TR 38.898**

*Type: pCR For: Approval  
 38.898 v0.1.0 CR- rev Cat: (Rel-18)  
  
 Source: NTT DOCOMO, INC.*

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

[**R4-2301313**](file:///D:\RAN4%23106\Docs\R4-2301313.zip) **TP for PC2 DC\_21-42\_n77 for TR 38.898**

*Type: pCR For: Approval  
 38.898 v0.1.0 CR- rev Cat: (Rel-18)  
  
 Source: NTT DOCOMO, INC.*

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

### 8.19 High power UE for FR1 for NR\_CA\_R18\_intra with power class 2 and 1.5 on TDD band(s)

#### 8.19.1 Rapporteur input (WID/TR/CR)

[**R4-2302140**](file:///D:\RAN4%23106\Docs\R4-2302140.zip) **Big CR on TS38.101-1 Addition of intra-band CA Combinations with PC2**

*Type: CR For: Agreement  
 38.101-1 v18.0.0 CR-1418 rev Cat: B (Rel-18)  
  
 Source: Huawei,HiSilicon*

**Abstract:**

Agreed combinations at RAN4#106

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

[**R4-2302146**](file:///D:\RAN4%23106\Docs\R4-2302146.zip) **TR 38.897-010**

*Type: draft TR For: Agreement  
 38.897 v0.1.0 CR- rev Cat: (Rel-18)  
  
 Source: Huawei,HiSilicon*

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

[**R4-2302147**](file:///D:\RAN4%23106\Docs\R4-2302147.zip) **WID on HPUE\_NR\_FR1\_TDD\_intra\_CA\_R18**

*Type: WID revised For: Endorsement  
 Source: Huawei,HiSilicon*

**Abstract:**

Inclusion of requests provided for RAN4#106

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

TP/CR

[**R4-2302142**](file:///D:\RAN4%23106\Docs\R4-2302142.zip) **TP on TR 38.897 for DL CA\_n77(2A) with UL PC2 CA\_n77(2A)**

*Type: pCR For: Approval  
 38.897 v0.0.1 CR- rev Cat: (Rel-18)  
  
 Source: Huawei,HiSilicon*

**Abstract:**

Agreed combinations at RAN4#105

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

[**R4-2302143**](file:///D:\RAN4%23106\Docs\R4-2302143.zip) **TP on TR 38.897 for DL CA\_n78(2A) with UL PC2 and PC1.5 n78**

*Type: pCR For: Approval  
 38.897 v0.0.1 CR- rev Cat: (Rel-18)  
  
 Source: Huawei,HiSilicon*

**Abstract:**

Agreed combinations at RAN4#105

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

[**R4-2302145**](file:///D:\RAN4%23106\Docs\R4-2302145.zip) **Draft CR on TS38.101-1 Addition of CA\_n77C with UL PC2 n77**

*Type: draftCR For: Endorsement  
 38.101-1 v18.0.0 CR- rev Cat: B (Rel-18)  
  
 Source: Huawei,HiSilicon*

**Abstract:**

Following the agreement that CA\_n77C with UL PC2 n77 can be introduced into Rel-17 spec ([R4-2220464](file:///D:\RAN4%23106\Docs\R4-2220464.zip))

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

#### 8.19.2 UE RF requirements with PC2 and PC1.5

**[112] Topic #1: HPUE\_NR\_FR1\_TDD\_intra\_CA\_R18 (8.19)**

[**R4-2302144**](file:///D:\RAN4%23106\Docs\R4-2302144.zip) **Draft CR on TS38.101-1 Addition of CA\_n77(3A) with UL PC2 n77**

*Type: draftCR For: Endorsement  
 38.101-1 v18.0.0 CR- rev Cat: B (Rel-18)  
  
 Source: Huawei,HiSilicon*

**Abstract:**

CA\_n77(3A) with UL PC2 n77 can be directly introduced without the impact on UE maximum output power and A-MPR in the current spec.

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

[**R4-2301129**](file:///D:\RAN4%23106\Docs\R4-2301129.zip) **Draft CR for TS38.101-1 Addition of intra-band CA Combinations with PC2 and PC1.5**

*Type: draftCR For: Endorsement  
 38.101-1 v18.0.0 CR- rev Cat: B (Rel-18)  
  
 Source: Samsung, KDDI*

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

### 8.20 High power UE for FR1 NR inter-band CA/DC or SUL band combination with y DL-x UL and PCm (m<3) and high power on TDD

#### 8.20.1 Rapporteur input (WID/TR/CR)

[**R4-2300720**](file:///D:\RAN4%23106\Docs\R4-2300720.zip) **TR for High power UE for FR1 NR inter-band CA/DC or NR SUL band combination with y (1<y<=6) bands DL and x (x=1, 2) bands UL and power class m (m<3) and high power on TDD band(s)**

*Type: draft TR For: Agreement  
 38.899 v0.2.0 CR- rev Cat: (Rel-18)  
  
 Source: Huawei, HiSilicon, China Telecom*

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

[**R4-2301378**](file:///D:\RAN4%23106\Docs\R4-2301378.zip) **Revised WID: Rel-18 High power UE (power class 1,5 and 2) for a single FR1 NR TDD band in UL of NR inter-band CA/DC combinations with/without NR SUL (supplementary uplink) with y bands downlink (y=2,3,4,5,6) and x bands uplink (x=1,2)**

*Type: WID revised For: Endorsement  
 Source: China Telecom*

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

#### 8.20.2 UE RF requirements with PC2 and PC1.5

**[113] Topic #1: HPUE\_FR1\_TDD\_NR\_CADC\_SUL\_R18**

draft CR/CR/TP

[**R4-2300025**](file:///D:\RAN4%23106\Docs\R4-2300025.zip) **DraftCR 38.101-1 Addition of PC2 CA Combinations**

*Type: draftCR For: Endorsement  
 38.101-1 v18.0.0 CR- rev Cat: (Rel-18)  
  
 Source: AT&T*

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

[**R4-2300665**](file:///D:\RAN4%23106\Docs\R4-2300665.zip) **DraftCR for 38.101-1: NR single UL n77 configuration for HPUE inter-band CA**

*Type: draftCR For: Approval  
 38.101-1 v18.0.0 CR- rev Cat: B (Rel-18)  
  
 Source: Verizon, Ericsson, Samsung*

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

[**R4-2301130**](file:///D:\RAN4%23106\Docs\R4-2301130.zip) **TP for HPUE CA\_n3-n28-n41 with 2UL for TR 38.899**

*Type: pCR For: Approval  
 38.899 v0.2.0 CR- rev Cat: (Rel-18)  
  
 Source: Samsung, KDDI*

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

[**R4-2301131**](file:///D:\RAN4%23106\Docs\R4-2301131.zip) **TP for HPUE CA\_n3-n41 with 1UL for TR 38.899**

*Type: pCR For: Approval  
 38.899 v0.2.0 CR- rev Cat: (Rel-18)  
  
 Source: Samsung, KDDI*

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

[**R4-2301132**](file:///D:\RAN4%23106\Docs\R4-2301132.zip) **TP for HPUE CA\_n3-n41-n77 with 2UL for TR 38.899**

*Type: pCR For: Approval  
 38.899 v0.2.0 CR- rev Cat: (Rel-18)  
  
 Source: Samsung, KDDI*

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

[**R4-2301133**](file:///D:\RAN4%23106\Docs\R4-2301133.zip) **TP for HPUE CA\_n3-n77 with 1UL and 2UL for TR 38.899**

*Type: pCR For: Approval  
 38.899 v0.2.0 CR- rev Cat: (Rel-18)  
  
 Source: Samsung, KDDI*

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

[**R4-2301134**](file:///D:\RAN4%23106\Docs\R4-2301134.zip) **TP for HPUE CA\_n40-n77 with 1UL for TR 38.899**

*Type: pCR For: Approval  
 38.899 v0.2.0 CR- rev Cat: (Rel-18)  
  
 Source: Samsung, KDDI*

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

[**R4-2302446**](file:///D:\RAN4%23106\Docs\R4-2302446.zip) **Draft CR for 38.101-1: T-Mobile HPUE band combinations**

*Type: draftCR For: Approval  
 38.101-1 v18.0.0 CR- rev Cat: (Rel-18)  
  
 Source: T-Mobile USA*

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

[**R4-2301269**](file:///D:\RAN4%23106\Docs\R4-2301269.zip) **TP for TR38.899\_PC2 CA\_n8A-n78A**

*Type: pCR For: Approval  
 38.899 v0.1.0 CR- rev Cat: (Rel-18)  
  
 Source: ZTE Corporation*

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

### 8.21 High power UE for FR1 for inter-band NR\_CADC\_R18\_yBDL\_xBUL with power class 2 on single carrier uplink on FDD band

#### 8.21.1 Rapporteur input (WID/TR/CR)

**Post-meeting process**

[**R4-2300171**](file:///D:\RAN4%23106\Docs\R4-2300171.zip) **Revised WID Rel-18 High power UE (power class 2) for FR1 NR FDD band in UL of NR inter-band CADC combinations with y bands downlink (y=2,3,4,5,6) and x bands uplink (x=1)**

*Type: WID revised For: Approval  
 Source: China Unicom*

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

[**R4-2300173**](file:///D:\RAN4%23106\Docs\R4-2300173.zip) **BigCR for High power UE for inter-band CA with power class 2 on single carrier uplink on FDD band**

*Type: CR For: Agreement  
 38.101-1 v18.0.0 CR-1287 rev Cat: B (Rel-18)  
  
 Source: China Unicom*

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

[**R4-2300954**](file:///D:\RAN4%23106\Docs\R4-2300954.zip) **TR 38.850 v0.1.0 HPUE\_FR1\_FDD\_NR\_CADC\_R18**

*Type: draft TR For: Agreement  
 38.850 v0.0.1 CR- rev Cat: (Rel-18)  
  
 Source: China Unicom*

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

#### 8.21.2 UE RF requirements

**[114] Topic #1: HPUE for CA with PC2 on FDD carrier**

[**R4-2302731**](file:///D:\RAN4%23106\Docs\R4-2302731.zip) **MSD for CA\_n3-n78 with PC2 n3 UL**

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

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

TP/TR

[**R4-2300172**](file:///D:\RAN4%23106\Docs\R4-2300172.zip) **TR skeleton for TR 38.850 v0.0.1 HPUE\_FR1\_FDD\_NR\_CADC\_R18**

*Type: draft TR For: Agreement  
 38.850 v0.0.1 CR- rev Cat: (Rel-18)  
  
 Source: China Unicom*

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

[**R4-2300502**](file:///D:\RAN4%23106\Docs\R4-2300502.zip) **TP for TR 38.850 Addition of PC2 CA\_n1A-n78A and CA\_n3A-n78A with PC2 on FDD carrier**

*Type: pCR For: Approval  
 38.850 v0.0.1 CR- rev Cat: (Rel-18)  
  
 Source: China Unicom*

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

### 8.22 High power UE (power class 1.5) for NR TDD bands

#### 8.22.1 Rapporteur input (WID/TR/CR)

**Post-meeting process**

[**R4-2301577**](file:///D:\RAN4%23106\Docs\R4-2301577.zip) **TR 38.895 v0.1.0 TDD PC1\_5 HPUE**

*Type: draft TR For: (not specified)  
 38.895 v0.1.0 CR- rev Cat: (Rel-18)  
  
 Source: CMCC*

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

#### 8.22.2 UE RF requirements

**[112] Topic #2: HPUE\_NR\_FR1\_TDD\_R18 (8.22)**

[**R4-2302275**](file:///D:\RAN4%23106\Docs\R4-2302275.zip) **NS\_50 measurements and A-MPR**

*Type: other For: Approval  
 Source: Qualcomm Inc.*

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

### 8.23 High power UE for FR1 for FDD single band(s) with PC2

#### 8.23.1 Rapporteur input (WID/TR/CR)

[**R4-2300168**](file:///D:\RAN4%23106\Docs\R4-2300168.zip) **Revised WID High power UE (power class 2) for NR FR1 FDD single band**

*Type: WID revised For: Approval  
 Source: China Unicom*

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

[**R4-2300169**](file:///D:\RAN4%23106\Docs\R4-2300169.zip) **TR 38.896 v0.2.0 HPUE\_NR\_FR1\_FDD\_R18**

*Type: draft TR For: Agreement  
 38.896 v0.1.0 CR- rev Cat: (Rel-18)  
  
 Source: China Unicom*

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

[**R4-2300170**](file:///D:\RAN4%23106\Docs\R4-2300170.zip) **BigCR for High power UE for FDD single band PC2**

*Type: CR For: Agreement  
 38.101-1 v18.0.0 CR-1286 rev Cat: B (Rel-18)  
  
 Source: China Unicom*

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

#### 8.23.2 UE RF requirements

**[114] Topic #2: HPUE for FDD single band**

[**R4-2300362**](file:///D:\RAN4%23106\Docs\R4-2300362.zip) **PC2 FDD bands MSD with 1Tx**

*Type: other For: Approval  
 Source: Apple*

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

[**R4-2300652**](file:///D:\RAN4%23106\Docs\R4-2300652.zip) **PC2 FDD bands RSD evaluation and NS requirement**

*Type: other For: Approval  
 38.101-1 v CR- rev Cat: (Rel-18)  
  
 Source: Skyworks Solutions Inc.*

**Abstract:**

In this contribution, we have gathered new measurements with lower noise floor and refined further the RSD calculations for all the PC2 FDD bands in the WI

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

[**R4-2300715**](file:///D:\RAN4%23106\Docs\R4-2300715.zip) **MSD for PC2 FDD bands**

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

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

[**R4-2300716**](file:///D:\RAN4%23106\Docs\R4-2300716.zip) **PC2 A-MPR for band n8**

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

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

[**R4-2300717**](file:///D:\RAN4%23106\Docs\R4-2300717.zip) **PC2 A-MPR for band n28**

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

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

[**R4-2302031**](file:///D:\RAN4%23106\Docs\R4-2302031.zip) **PC2 FDD bands RSD**

*Type: other For: Approval  
 Source: Murata Manufacturing Co Ltd.*

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

[**R4-2302353**](file:///D:\RAN4%23106\Docs\R4-2302353.zip) **Discussion on PC2 FDD bands Reference Sensitivity Degradation**

*Type: discussion For: Approval  
 38.101-1 v CR- rev Cat: (Rel-18)  
  
 Source: Mediatek India Technology Pvt.*

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

[**R4-2302709**](file:///D:\RAN4%23106\Docs\R4-2302709.zip) **PC2 FDD requirements for Band n8 and n28**

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

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

Withdrawn

[**R4-2300718**](file:///D:\RAN4%23106\Docs\R4-2300718.zip) **MSD for CA\_n3-n78 with PC2 n3 UL**

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

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

### 8.24 Rel-18 downlink interruption for NR and EN-DC band combinations at dynamic Tx switching

#### 8.24.1 Rapporteur input (WID/TR/CR)

**[115] Topic #3: Rel-18 downlink interruption for NR and EN-DC band combinations at dynamic Tx switching**

[**R4-2300861**](file:///D:\RAN4%23106\Docs\R4-2300861.zip) **Big CR to 38.101-1 Introduce DL interruption clarification for CA conduting Tx Switching**

*Type: CR For: Agreement  
 38.101-1 v18.0.0 CR-1342 rev Cat: B (Rel-18)  
  
 Source: China Telecom*

**Abstract:**

Big CR to capature the finished combos in previous two meetings

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

#### 8.24.2 UE RF requirements

### 8.25 Additional NR bands for UL-MIMO in Rel-18

#### 8.25.1 Rapporteur Input (WID/TR/CR)

[**R4-2301767**](file:///D:\RAN4%23106\Docs\R4-2301767.zip) **Big CR for 38.101-1 introduce UL MIMO configurations for Rel-18**

*Type: CR For: Agreement  
 38.101-1 v18.0.0 CR-1401 rev Cat: B (Rel-18)  
  
 Source: Huawei, HiSilicon*

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

#### 8.25.2 UE RF requirements

**[115] Topic #4: Additional NR bands for UL-MIMO in Rel-18**

[**R4-2300132**](file:///D:\RAN4%23106\Docs\R4-2300132.zip) **Draft CR on removing form factor limitation for n8 UL MIMO**

*Type: draftCR For: Endorsement  
 38.101-1 v18.0.0 CR- rev Cat: B (Rel-18)  
  
 Source: China Unicom*

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

[**R4-2300816**](file:///D:\RAN4%23106\Docs\R4-2300816.zip) **Draft CR to support n8 and n28 with PC3 UL MIMO for handheld UE**

*Type: draftCR For: Approval  
 38.101-1 v18.0.0 CR- rev Cat: B (Rel-18)  
  
 Source: CMCC*

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

[**R4-2301766**](file:///D:\RAN4%23106\Docs\R4-2301766.zip) **draft CR for 38.101-1 introduce PC2 UL MIMO configurations for band n1, n3 and corresponding SUL band n84, n80**

*Type: draftCR For: Endorsement  
 38.101-1 v18.0.0 CR- rev Cat: B (Rel-18)  
  
 Source: Huawei, HiSilicon*

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

### 8.26 Adding new channel bandwidth(s) support to existing NR bands

#### 8.26.1 Rapporteur input (WID/TR/CR)

[**R4-2301487**](file:///D:\RAN4%23106\Docs\R4-2301487.zip) **Revised Basket WID on adding channel bandwidth support to existing NR bands**

*Type: WID revised For: Endorsement  
 Source: Ericsson*

**Abstract:**

This contribution is a revision of the Rel-18 basket WI for adding new channel BW in existing NR bands

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

[**R4-2301488**](file:///D:\RAN4%23106\Docs\R4-2301488.zip) **Big CR to TS 38.104: Adding channel BW support in existing NR bands**

*Type: CR For: Agreement  
 38.104 v18.0.0 CR-0450 rev Cat: B (Rel-18)  
  
 Source: Ericsson*

**Abstract:**

This big CR will capture all draft CRs endorsed in RAN4#106 meeting

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

[**R4-2301489**](file:///D:\RAN4%23106\Docs\R4-2301489.zip) **Big CR to TS 38.101-1: Adding channel BW support in existing NR bands**

*Type: CR For: Agreement  
 38.101-1 v18.0.0 CR-1384 rev Cat: B (Rel-18)  
  
 Source: Ericsson*

**Abstract:**

This big CR will capture all draft CRs endorsed in RAN4#106 meeting

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

#### 8.26.2 UE RF requirements

**[115] Topic #5: Adding new channel bandwidths support to existing NR bands**

[**R4-2301670**](file:///D:\RAN4%23106\Docs\R4-2301670.zip) **Addition of 25 MHz channel BW for n8**

*Type: other For: Approval  
 38.101-1 v CR- rev Cat: (Rel-18)  
  
 Source: Nokia*

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

[**R4-2302383**](file:///D:\RAN4%23106\Docs\R4-2302383.zip) **Discussion on 25MHz CBW REFSENS for band n8**

*Type: discussion For: Approval  
 38.101-1 v CR- rev Cat: (Rel-18)  
  
 Source: Mediatek India Technology Pvt.*

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

Draft CR

[**R4-2300801**](file:///D:\RAN4%23106\Docs\R4-2300801.zip) **Draft CR for 38.101-1: Addition of 35 MHz for n39 and n98**

*Type: draftCR For: Agreement  
 38.101-1 v18.0.0 CR- rev Cat: B (Rel-18)  
  
 Source: CMCC*

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

[**R4-2301668**](file:///D:\RAN4%23106\Docs\R4-2301668.zip) **draftCR for 38.101-1 - Addition of 25 MHz channel BW for n8**

*Type: draftCR For: Endorsement  
 38.101-1 v18.0.0 CR- rev Cat: (Rel-18)  
  
 Source: Nokia*

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

[**R4-2300802**](file:///D:\RAN4%23106\Docs\R4-2300802.zip) **Discussion on REFSENS for band n39 supporting 35MHz**

*Type: discussion For: Discussion  
 Source: CMCC*

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

#### 8.26.3 BS RF requirements

**[115] Topic #5: Adding new channel bandwidths support to existing NR bands**

[**R4-2300803**](file:///D:\RAN4%23106\Docs\R4-2300803.zip) **Draft CR for 38.104: Addition of 35 MHz for n39 and n98**

*Type: draftCR For: Agreement  
 38.104 v18.0.0 CR- rev Cat: B (Rel-18)  
  
 Source: CMCC*

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

[**R4-2301669**](file:///D:\RAN4%23106\Docs\R4-2301669.zip) **draftCR for 38.104 - Addition of 25 MHz channel BW for n8**

*Type: draftCR For: Endorsement  
 38.104 v18.0.0 CR- rev Cat: (Rel-18)  
  
 Source: Nokia*

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

### 8.27 Simultaneous Rx/Tx inter-band combinations for NR CA/DC, NR SUL and LTE/NR DC in Rel-18

#### 8.27.1 Rapporteur input (WID/TR/CR)

[**R4-2302051**](file:///D:\RAN4%23106\Docs\R4-2302051.zip) **Big CR for Rel-18 Simultaneous Rx/Tx inter-band combinations**

*Type: CR For: Agreement  
 38.101-1 v18.0.0 CR-1405 rev Cat: B (Rel-18)  
  
 Source: Huawei, HiSilicon*

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

[**R4-2302052**](file:///D:\RAN4%23106\Docs\R4-2302052.zip) **TR 38.894 v0.2.0**

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

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

#### 8.27.2 Identification of simultaneous Rx/Tx capability for band combinations and UE RF requirements

**[115] Topic #6: Simultaneous Rx/Tx inter-band combinations in Rel-18**

[**R4-2300347**](file:///D:\RAN4%23106\Docs\R4-2300347.zip) **On simultaneous Rx-Tx for NR inter-band combinations**

*Type: other For: Approval  
 Source: Apple*

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

[**R4-2300916**](file:///D:\RAN4%23106\Docs\R4-2300916.zip) **CA\_n40-n41 non-simultaneous RxTx PC3 PC2 MSD**

*Type: other For: Approval  
 38.101-1 v CR- rev Cat: (Rel-18)  
  
 Source: Skyworks Solutions Inc.*

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

[**R4-2301710**](file:///D:\RAN4%23106\Docs\R4-2301710.zip) **Continue discussion on simultaneous RxTx**

*Type: discussion For: Approval  
 38.101-1 v CR- rev Cat: (Rel-18)  
  
 Source: MediaTek Inc.*

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

[**R4-2302053**](file:///D:\RAN4%23106\Docs\R4-2302053.zip) **Cross band isolation MSD analysis forCA\_n40A-n41A**

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

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

[**R4-2302054**](file:///D:\RAN4%23106\Docs\R4-2302054.zip) **Cross band isolation MSD analysis for CA\_n34-n41**

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

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

[**R4-2302378**](file:///D:\RAN4%23106\Docs\R4-2302378.zip) **Cross band isolation MSD analysis for CA\_n7-n40**

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

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

Draft CR

[**R4-2300804**](file:///D:\RAN4%23106\Docs\R4-2300804.zip) **Draft CR for updating simultaneous Rx/Tx requirements for CA\_n39-n41**

*Type: draftCR For: Agreement  
 38.101-1 v18.0.0 CR- rev Cat: F (Rel-18)  
  
 Source: CMCC*

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

### 8.28 4Rx support for NR FR1 bands (<2.6GHz) in Rel-18

#### 8.28.1 Rapporteur input (WID/TR/CR)

**Post-meeting process**

[**R4-2301277**](file:///D:\RAN4%23106\Docs\R4-2301277.zip) **Revised WID: 4Rx support for NR FR1 bands (<2.6GHz) in Rel-18**

*Type: WID revised For: Approval  
 Source: ZTE Corporation*

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

[**R4-2301278**](file:///D:\RAN4%23106\Docs\R4-2301278.zip) **Big CR to reflect the completed 4Rx support for NR FR1 bands (<2.6GHz) into TS 38.101-1**

*Type: CR For: Agreement  
 38.101-1 v18.0.0 CR-1377 rev Cat: B (Rel-18)  
  
 Source: ZTE Corporation*

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

#### 8.28.2 UE RF requirements

**[116] Topic #1: 4Rx support for NR FR1 bands (<2.6GHz) in Rel-18**

[**R4-2301255**](file:///D:\RAN4%23106\Docs\R4-2301255.zip) **draft CR to TS38.101-1: 4Rx for n5**

*Type: draftCR For: Endorsement  
 38.101-1 v18.0.0 CR- rev Cat: B (Rel-18)  
  
 Source: ZTE Corporation, China Telecom*

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

[**R4-2302447**](file:///D:\RAN4%23106\Docs\R4-2302447.zip) **Draft CR for 38.101-1: 4Rx for n25 and n85**

*Type: draftCR For: Approval  
 38.101-1 v18.0.0 CR- rev Cat: (Rel-18)  
  
 Source: T-Mobile USA*

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

### 8.29 Low NR band 4Rx for handheld UE and 3Tx for inter-band UL CA and EN-DC

#### 8.29.1 General and work plan

[**R4-2301185**](file:///D:\RAN4%23106\Docs\R4-2301185.zip) **R18 workplan for low band 4Rx and 3Tx with inter-band UL CA and EN-DC WI**

*Type: other For: Approval  
 Source: OPPO*

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

#### 8.29.2 Enhancements for 4Rx at low frequency band (<1GHz)

**[116] Topic #2: 4Rx at low frequency band (<1GHz)**

[**R4-2300363**](file:///D:\RAN4%23106\Docs\R4-2300363.zip) **Views on low band 4Rx for handheld UE**

*Type: other For: Approval  
 Source: Apple*

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

[**R4-2301095**](file:///D:\RAN4%23106\Docs\R4-2301095.zip) **Discussion on Enhancements for 4Rx at low frequency band**

*Type: other For: Discussion  
 38.101-1 v CR- rev Cat: (Rel-18)  
  
 Source: Xiaomi*

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

[**R4-2301186**](file:///D:\RAN4%23106\Docs\R4-2301186.zip) **R18 low band 4Rx**

*Type: other For: Approval  
 Source: OPPO*

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

[**R4-2301251**](file:///D:\RAN4%23106\Docs\R4-2301251.zip) **Discussion on 4Rx low band (<1GHz) for handheld UE**

*Type: other For: Approval  
 Source: ZTE Corporation*

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

[**R4-2301542**](file:///D:\RAN4%23106\Docs\R4-2301542.zip) **Discussion on enhancements for 4Rx at low frequency band**

*Type: other For: Approval  
 Source: vivo*

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

[**R4-2302236**](file:///D:\RAN4%23106\Docs\R4-2302236.zip) **Discussion on enhancement for 4Rx at low frequency band**

*Type: discussion For: (not specified)  
 Source: Google Inc.*

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

[**R4-2302373**](file:///D:\RAN4%23106\Docs\R4-2302373.zip) **On 4Rx requirements for low operating bands**

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

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

#### 8.29.3 Enhancements of 3Tx for band combinations with two bands

**[116] Topic #3: 3Tx with inter-band UL CA/EN-DC**

[**R4-2300360**](file:///D:\RAN4%23106\Docs\R4-2300360.zip) **Enabling simultaneous 3Tx for inter-band UL CA/DC**

*Type: other For: Approval  
 Source: Apple*

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

[**R4-2300361**](file:///D:\RAN4%23106\Docs\R4-2300361.zip) **PC1.5 for inter-band UL CA/DC and MSD framework**

*Type: other For: Approval  
 Source: Apple*

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

[**R4-2301094**](file:///D:\RAN4%23106\Docs\R4-2301094.zip) **Discussion on 3Tx for inter-band UL CA and EN-DC**

*Type: other For: Approval  
 38.101-1 v CR- rev Cat: (Rel-18)  
  
 Source: Xiaomi*

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

[**R4-2301109**](file:///D:\RAN4%23106\Docs\R4-2301109.zip) **Views on 3Tx for band combinations with 2 band**

*Type: discussion For: Discussion  
 Source: Samsung, Telus, Bell Mobility, KT corporation*

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

[**R4-2301187**](file:///D:\RAN4%23106\Docs\R4-2301187.zip) **R18 3Tx for inter-band combinations**

*Type: other For: Approval  
 Source: OPPO*

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

[**R4-2301250**](file:///D:\RAN4%23106\Docs\R4-2301250.zip) **Discussion on 3Tx inter-band UL CA/ENDC within two bands**

*Type: other For: Approval  
 Source: ZTE Corporation*

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

[**R4-2301543**](file:///D:\RAN4%23106\Docs\R4-2301543.zip) **Discussion on enhancements of 3Tx for band combinations with two bands**

*Type: other For: Approval  
 Source: vivo*

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

[**R4-2301719**](file:///D:\RAN4%23106\Docs\R4-2301719.zip) **R18 3TX discussion**

*Type: discussion For: Approval  
 38.101-1 v CR- rev Cat: (Rel-18)  
  
 Source: MediaTek Inc.*

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

[**R4-2302372**](file:///D:\RAN4%23106\Docs\R4-2302372.zip) **On UE RF requirements for FWA UE supporting 3Tx for two bands**

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

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

#### 8.29.4 Moderator summary and conclusions

**[106][116] NR\_3Tx-4Rx\_WI, AI 8.28, 8.29 – Jinqiang Xing (OPPO)**

[**R4-2302809**](file:///D:\RAN4%23106\Docs\R4-2302809.zip) **Topic summary for [106][116] NR\_3Tx-4Rx\_WI**

*Type: other For: Information  
 Source: Moderator (OPPO)*

**Abstract:**

This contribution provides the summary of email discussion and recommended summary.

**Decision: Return to.**

**Discussions of issues and conclusions**

### 8.30 APT 600 MHz NR band

**[117] Topic #1: Text proposals for the TR**

TR/TP

[**R4-2300029**](file:///D:\RAN4%23106\Docs\R4-2300029.zip) **APT 600 MHz NR band**

*Type: draft TR For: Information  
 38.892 v0.4.0 CR- rev Cat: (Rel-18)  
  
 Source: Spark NZ Ltd*

**Abstract:**

This contribution provides contents of TR 38 892 approved thus far. This is the new base line for any additional contents in RAN4 106

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

[**R4-2300030**](file:///D:\RAN4%23106\Docs\R4-2300030.zip) **TR 38.892**

*Type: draft TR For: Agreement  
 38.892 v0.5.0 CR- rev Cat: (Rel-18)  
  
 Source: Spark NZ Ltd*

**Abstract:**

This contribution will capture all content to TR 38 892 in RAN4 and then to be submitted to RAN as final outcome

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

[**R4-2300031**](file:///D:\RAN4%23106\Docs\R4-2300031.zip) **Text proposals for TR 38 892**

*Type: discussion For: Approval  
 Source: Spark NZ Ltd*

**Abstract:**

This contribution provides contents for section 6 of TR 38 892- compatibility between B71/n71

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

[**R4-2302458**](file:///D:\RAN4%23106\Docs\R4-2302458.zip) **TP to TR 38.892: BS RF requirements (section 7.2)**

*Type: pCR For: Approval  
 38.892 v0.5.0 CR- rev Cat: (Rel-18)  
  
 Source: Huawei, HiSilicon*

**Abstract:**

TP to TR 38.892, on the BS requirements corrections.

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

#### 8.30.1 Band parameters and UE RF requirements

**[117] Topic #1: Text proposals for the TR**

TP

[**R4-2302457**](file:///D:\RAN4%23106\Docs\R4-2302457.zip) **TP to TR 38.892: n71 and n105 compatibility (section 6)**

*Type: pCR For: Approval  
 38.892 v0.5.0 CR- rev Cat: (Rel-18)  
  
 Source: Huawei, HiSilicon*

**Abstract:**

TP to TR 38.892, on the n105 compatibility with band 71/n71.

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

[**R4-2302707**](file:///D:\RAN4%23106\Docs\R4-2302707.zip) **TP for TR 38.892: UE requirements**

*Type: pCR For: Approval  
 38.892 v0.4.0 CR- rev Cat: (Rel-18)  
  
 Source: Qualcomm Incorporated*

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

[**R4-2302708**](file:///D:\RAN4%23106\Docs\R4-2302708.zip) **TP for TR 38.892: Compatibility with Band 71/n71**

*Type: pCR For: Approval  
 38.892 v0.4.0 CR- rev Cat: (Rel-18)  
  
 Source: Qualcomm Incorporated*

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

[**R4-2300748**](file:///D:\RAN4%23106\Docs\R4-2300748.zip) **TP to 38.892: the method of using asymmetric bandwidth sets for n105 for compatibility with n71**

*Type: pCR For: Approval  
 38.892 v0.5.0 CR- rev Cat: (Rel-18)  
  
 Source: Ericsson*

**Abstract:**

In this text proposal we add the method of using asymmetric bandwidth sets for n105 for compatibility with n71

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

#### 8.30.2 BS RF requirements and conformance testing

**[117] Topic #2: Maintenance of TS and CRs for outstanding affected specifications**

[**R4-2301724**](file:///D:\RAN4%23106\Docs\R4-2301724.zip) **Discussion on the impact of APT60MHz on TS38.115-2**

*Type: discussion For: Approval  
 Source: ZTE Corporation*

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

[**R4-2302352**](file:///D:\RAN4%23106\Docs\R4-2302352.zip) **Needed corrections for n105 related band protection**

*Type: other For: Approval  
 38.101-1 v CR- rev Cat: (Rel-18)  
  
 Source: Skyworks Solutions Inc.*

**Abstract:**

In this contribution we address some of the corrections needed but also look for clarification on which regions apply for n105 band protection aspects.

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

CR

[**R4-2301478**](file:///D:\RAN4%23106\Docs\R4-2301478.zip) **CR to TS 38.174: Addition of band n105**

*Type: CR For: Agreement  
 38.174 v17.2.0 CR-0041 rev Cat: B (Rel-18)  
  
 Source: Ericsson*

**Abstract:**

This contribution is a CR to TS 38.174, introducing new NR band n105

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

[**R4-2301479**](file:///D:\RAN4%23106\Docs\R4-2301479.zip) **CR to TS 37.176-1: Introduction of NR band n105**

*Type: CR For: Agreement  
 38.176-1 v17.3.0 CR-0017 rev Cat: B (Rel-18)  
  
 Source: Ericsson*

**Abstract:**

This contribution is a CR to TS 37.176-1, introducing new NR band n105

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

[**R4-2301480**](file:///D:\RAN4%23106\Docs\R4-2301480.zip) **CR to TS 38.176-2: Introduction of NR band n105**

*Type: CR For: Agreement  
 38.176-2 v17.3.0 CR-0019 rev Cat: B (Rel-18)  
  
 Source: Ericsson*

**Abstract:**

This contribution is a CR to TS 38.176-2, introducing new NR band n105

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

[**R4-2301725**](file:///D:\RAN4%23106\Docs\R4-2301725.zip) **CR to TS38.115-1 the introduction of APT600MHz**

*Type: CR For: Agreement  
 38.115-1 v17.0.0 CR-0004 rev Cat: B (Rel-18)  
  
 Source: ZTE*

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

[**R4-2301726**](file:///D:\RAN4%23106\Docs\R4-2301726.zip) **CR to TS38.106 the introduction of APT600MHz**

*Type: CR For: Agreement  
 38.106 v17.3.0 CR-0032 rev Cat: B (Rel-18)  
  
 Source: ZTE*

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

[**R4-2302459**](file:///D:\RAN4%23106\Docs\R4-2302459.zip) **CR to TS 36.104: Introduction of NR band n105, Rel-18**

*Type: CR For: Agreement  
 36.104 v18.0.0 CR-4967 rev Cat: B (Rel-18)  
  
 Source: Huawei, HiSilicon*

**Abstract:**

Introduction of NR band n105 to TS 36.104.

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

[**R4-2302460**](file:///D:\RAN4%23106\Docs\R4-2302460.zip) **CR to TS 36.141: Introduction of NR band n105, Rel-18**

*Type: CR For: Agreement  
 36.141 v18.0.0 CR-1352 rev Cat: B (Rel-18)  
  
 Source: Huawei, HiSilicon*

**Abstract:**

Introduction of NR band n105 to TS 36.141.

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

#### 8.30.3 RRM requirements

#### 8.30.4 Moderator summary and conclusions

**[106][117] NR\_600MHz\_APT, AI 8.30 – Christian Bergljung (Ericsson)**

[**R4-2302810**](file:///D:\RAN4%23106\Docs\R4-2302810.zip) **Topic summary for [106][117] NR\_600MHz\_APT**

*Type: other For: Information  
 Source: Moderator (Ericsson)*

**Abstract:**

This contribution provides the summary of email discussion and recommended summary.

**Decision: Return to.**

**Discussions of issues and conclusions**

### 8.31 Introduction of evolved shared spectrum bands

#### 8.31.1 General and work plan

**[118] Topic #3: Network Signalling Extension**

[**R4-2300336**](file:///D:\RAN4%23106\Docs\R4-2300336.zip) **Update of the regulatory requirements and summary of NS values**

*Type: discussion For: Discussion  
 Source: Apple*

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

[**R4-2300339**](file:///D:\RAN4%23106\Docs\R4-2300339.zip) **Further considerations on extending the maximum range for NS values**

*Type: discussion For: Discussion  
 Source: Apple*

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

**[118] Topic #1: General**

[**R4-2302665**](file:///D:\RAN4%23106\Docs\R4-2302665.zip) **Discussion on the work needed for A-MPR evaluation for NR-U contiguous ULCA**

*Type: other For: Approval  
 38.101-1 v CR- rev Cat: (Rel-18)  
  
 Source: Skyworks Solutions Inc.*

**Abstract:**

Since the initial work on NR-U ULCA MPR in Release 17, the work on evaluating required back-off for all waveform types and mode of operation has been overwhelming for RAN4 and supported by only a few companies. Since then although, as a company we have wo

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

Draft CR/TP

[**R4-2300337**](file:///D:\RAN4%23106\Docs\R4-2300337.zip) **draft CR: Rolling CR covering the agreed changes for NR-U enhacement**

*Type: draftCR For: Endorsement  
 38.101-1 v18.0.0 CR- rev Cat: B (Rel-18)  
  
 Source: Apple*

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

[**R4-2300338**](file:///D:\RAN4%23106\Docs\R4-2300338.zip) **Introduction of new countries with associated NS values and A-MPR back-off**

*Type: draftCR For: Endorsement  
 38.849 v17.1.0 CR- rev Cat: F (Rel-18)  
  
 Source: Apple*

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

[**R4-2300985**](file:///D:\RAN4%23106\Docs\R4-2300985.zip) **TP for TR38.849 on NR-U PC3 A-MPR in South Korea**

*Type: draftCR For: Endorsement  
 38.849 v17.1.0 CR- rev Cat: (Rel-17)  
  
 Source: LG Electronics*

**Abstract:**

It is a TP of TR38.849 on Rel-18 NR-U PC3 A-MPR for South Korea .

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

#### 8.31.2 Common requirements (channel raster, A-MPR for 100MHz CBW)

**[118] Topic #3: Network Signalling Extension**

[**R4-2301673**](file:///D:\RAN4%23106\Docs\R4-2301673.zip) **Discussion on NS extension for NR-U**

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

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

#### 8.31.3 UE RF requirements for SP and LPI

**[118] Topic #2: MPR and A-MPR**

[**R4-2300059**](file:///D:\RAN4%23106\Docs\R4-2300059.zip) **Simulation results on UE RF MPR and A-MPR for PC3**

*Type: discussion For: Approval  
 Source: Charter Communications, Inc*

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

[**R4-2300951**](file:///D:\RAN4%23106\Docs\R4-2300951.zip) **NR-U PC3 UE RF requirements**

*Type: discussion For: Discussion  
 Source: LG Electronics*

**Abstract:**

It discusses NR-U PC3 UE RF requirements (MPR, A-MPR in South Korea).

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

[**R4-2300344**](file:///D:\RAN4%23106\Docs\R4-2300344.zip) **NR-U MPR for Wideband and A-MPR for LPI**

*Type: other For: Approval  
 Source: Apple*

Chair: it seems not be included in summary.

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

CR

[**R4-2300952**](file:///D:\RAN4%23106\Docs\R4-2300952.zip) **CR on NR-U PC3 A-MPR in NS\_60**

*Type: CR For: Agreement  
 38.101-1 v18.0.0 CR-1344 rev Cat: B (Rel-18)  
  
 Source: LG Electronics*

**Abstract:**

It is a CR for NR-U PC3 A-MPR in NS\_60.

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

[**R4-2300953**](file:///D:\RAN4%23106\Docs\R4-2300953.zip) **CR on NR-U A-MPR for PC5 VLP in NS\_61**

*Type: CR For: Agreement  
 38.101-1 v18.0.0 CR-1345 rev Cat: F (Rel-18)  
  
 Source: LG Electronics*

**Abstract:**

It is a Rel-18 CR on NR-U A-MPR for PC5 VLP to align with Rel-17.

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

#### 8.31.4 UE RF requirements for VLP

[**R4-2300345**](file:///D:\RAN4%23106\Docs\R4-2300345.zip) **NR-U A-MPR for VLP**

*Type: other For: Approval  
 Source: Apple*

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

#### 8.31.5 BS conformance testing and UE release independency

#### 8.31.6 Moderator summary and conclusions

**[106][118] NR\_unlic\_enh, AI 8.31 – Daniel Popp (Apple)**

[**R4-2302811**](file:///D:\RAN4%23106\Docs\R4-2302811.zip) **Topic summary for [106][118] NR\_unlic\_enh**

*Type: other For: Information  
 Source: Moderator (Apple)*

**Abstract:**

This contribution provides the summary of email discussion and recommended summary.

**Decision: Return to.**

**Discussions of issues and conclusions**

### 8.32 Introduction of 900 MHz NR Band in the US

#### 8.32.1 General and work plan

**[119] Topic #1: Work plans**

[**R4-2300142**](file:///D:\RAN4%23106\Docs\R4-2300142.zip) **Work plan for 900 MHz NR new band**

*Type: Work Plan For: Decision  
 Source: Anterix*

**Abstract:**

A spectrum-related work item was agreed to specify a new NR band in the 900 MHz frequency range. This contribution provides a work plan to complete the technical work.

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

#### 8.32.2 Band definition and co-existence

**[119] Topic #2: Band plan**

[**R4-2301229**](file:///D:\RAN4%23106\Docs\R4-2301229.zip) **Discussion on band definition for 900 MHz NR Band**

*Type: other For: Approval  
 Source: ZTE Corporation*

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

#### 8.32.3 UE RF requirements

**[119] Topic #3: UE RF requirements**

[**R4-2300376**](file:///D:\RAN4%23106\Docs\R4-2300376.zip) **UE Requirements for US 900MHz band**

*Type: discussion For: Approval  
 Source: Apple*

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

[**R4-2301230**](file:///D:\RAN4%23106\Docs\R4-2301230.zip) **Discussion on UE RF requirements for 900 MHz NR Band**

*Type: other For: Approval  
 Source: ZTE Corporation*

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

[**R4-2302382**](file:///D:\RAN4%23106\Docs\R4-2302382.zip) **Discussion on UE RF requirements for new 900MHz NR band**

*Type: discussion For: Approval  
 38.101-1 v CR- rev Cat: (Rel-18)  
  
 Source: Mediatek India Technology Pvt.*

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

[**R4-2302524**](file:///D:\RAN4%23106\Docs\R4-2302524.zip) **Band 5 and 26 protection aspect related to the new 900 MHz NR Band in the US**

*Type: other For: Approval  
 38.101-1 v CR- rev Cat: (Rel-18)  
  
 Source: Skyworks Solutions Inc.*

**Abstract:**

In this contribution we discuss UE filter aspects in relation to band 5 and 26 protection.

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

#### 8.32.4 BS RF requirements

**[119] Topic #5: BS RF requirements**

[**R4-2301197**](file:///D:\RAN4%23106\Docs\R4-2301197.zip) **BS requirements for 900 MHz NR Band in the US**

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

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

[**R4-2301231**](file:///D:\RAN4%23106\Docs\R4-2301231.zip) **Discussion on BS RF requirements for 900 MHz NR Band**

*Type: other For: Approval  
 Source: ZTE Corporation*

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

#### 8.32.5 RRM requirements

**[119] Topic #4: UE RRM requirements**

[**R4-2301206**](file:///D:\RAN4%23106\Docs\R4-2301206.zip) **draft CR to TS 38.133: Introduction of 900 MHz NR Band in the US**

*Type: draftCR For: Endorsement  
 38.133 v18.0.0 CR- rev Cat: B (Rel-18)  
  
 Source: ZTE Corporation*

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

#### 8.32.6 Moderator summary and conclusions

**[106][119] LTE\_NR\_US\_900MHz, AI 8.32, 10.4 – Gene Fong (Qualcomm)**

[**R4-2302812**](file:///D:\RAN4%23106\Docs\R4-2302812.zip) **Topic summary for [106][119] LTE\_NR\_US\_900MHz**

*Type: other For: Information  
 Source: Moderator (Qualcomm)*

**Abstract:**

This contribution provides the summary of email discussion and recommended summary.

**Decision: Return to.**

**Discussions of issues and conclusions**

### 8.33 Introduction of NR TDD band in 1670 – 1675 MHz

#### 8.33.1 General and work plan

**[120] Topic #1: System Parameters and UE RF**

[**R4-2300070**](file:///D:\RAN4%23106\Docs\R4-2300070.zip) **System Parameters for n54**

*Type: discussion For: Approval  
 Source: Ligado Networks*

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

[**R4-2301614**](file:///D:\RAN4%23106\Docs\R4-2301614.zip) **On system parameters for n54**

*Type: discussion For: Decision  
 Source: MediaTek Inc.*

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

#### 8.33.2 UE RF requirements

**[120] Topic #1: System Parameters and UE RF**

[**R4-2302350**](file:///D:\RAN4%23106\Docs\R4-2302350.zip) **Discussion on NR band n54 UE RF requirements**

*Type: discussion For: Approval  
 38.101-1 v CR- rev Cat: (Rel-18)  
  
 Source: Mediatek India Technology Pvt.*

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

[**R4-2300071**](file:///D:\RAN4%23106\Docs\R4-2300071.zip) **Updates to TS 38.101-1 related to the introduction of n54**

*Type: discussion For: Approval  
 Source: Ligado Networks*

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

[**R4-2301219**](file:///D:\RAN4%23106\Docs\R4-2301219.zip) **Discussion on UE RF requirements for NR TDD band in 1670–1675 MHz**

*Type: other For: Approval  
 Source: ZTE Corporation*

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

CR

[**R4-2300072**](file:///D:\RAN4%23106\Docs\R4-2300072.zip) **CR related to Introduction of NR TDD Band n54**

*Type: CR For: Agreement  
 38.101-1 v18.0.0 CR-1282 rev Cat: B (Rel-18)  
  
 Source: Ligado Networks*

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

[**R4-2300073**](file:///D:\RAN4%23106\Docs\R4-2300073.zip) **CR related to Introduction of NR TDD Band n54**

*Type: CR For: Agreement  
 38.101-5 v18.0.0 CR-0016 rev Cat: B (Rel-18)  
  
 Source: Ligado Networks*

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

[**R4-2301211**](file:///D:\RAN4%23106\Docs\R4-2301211.zip) **draft CR to TS38.101-1 the introduction of NR TDD band in 1670 – 1675 MHz**

*Type: draftCR For: Endorsement  
 38.101-1 v18.0.0 CR- rev Cat: B (Rel-18)  
  
 Source: ZTE Corporation*

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

#### 8.33.3 BS RF requirements

**[120] Topic #2: BS RF**

[**R4-2301220**](file:///D:\RAN4%23106\Docs\R4-2301220.zip) **Discussion on BS RF requirements for NR TDD band in 1670–1675 MHz**

*Type: other For: Approval  
 Source: ZTE Corporation*

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

[**R4-2301195**](file:///D:\RAN4%23106\Docs\R4-2301195.zip) **BS requirements for n54**

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

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

CR

[**R4-2301194**](file:///D:\RAN4%23106\Docs\R4-2301194.zip) **CR to 38.104 on introduction of Band n54**

*Type: CR For: Agreement  
 38.104 v18.0.0 CR-0446 rev Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to** [**R4-2302028**](file:///D:\RAN4%23106\Docs\R4-2302028.zip).

[**R4-2302028**](file:///D:\RAN4%23106\Docs\R4-2302028.zip) **CR to 38.104 on introduction of Band n54**

*Type: CR For: Agreement  
 38.104 v18.0.0 CR-0446 rev 1 Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces [R4-2301194](file:///D:\RAN4%23106\Docs\R4-2301194.zip))

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

[**R4-2301218**](file:///D:\RAN4%23106\Docs\R4-2301218.zip) **draft CR to TS38.104 the introduction of NR TDD band in 1670 – 1675 MHz**

*Type: draftCR For: Endorsement  
 38.104 v18.0.0 CR- rev Cat: B (Rel-18)  
  
 Source: ZTE Corporation*

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

[**R4-2301188**](file:///D:\RAN4%23106\Docs\R4-2301188.zip) **CR to 38.141-1 on introduction of Band n54**

*Type: CR For: Agreement  
 38.141-1 v18.0.0 CR-0306 rev Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to** [**R4-2302030**](file:///D:\RAN4%23106\Docs\R4-2302030.zip).

[**R4-2302030**](file:///D:\RAN4%23106\Docs\R4-2302030.zip) **CR to 38.141-1 on introduction of Band n54**

*Type: CR For: Agreement  
 38.141-1 v18.0.0 CR-0306 rev 1 Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces [R4-2301188](file:///D:\RAN4%23106\Docs\R4-2301188.zip))

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

[**R4-2301189**](file:///D:\RAN4%23106\Docs\R4-2301189.zip) **CR to 38.141-2 on introduction of Band n54**

*Type: CR For: Agreement  
 38.141-2 v18.0.0 CR-0449 rev Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to** [**R4-2302029**](file:///D:\RAN4%23106\Docs\R4-2302029.zip).

[**R4-2302029**](file:///D:\RAN4%23106\Docs\R4-2302029.zip) **CR to 38.141-2 on introduction of Band n54**

*Type: CR For: Agreement  
 38.141-2 v18.0.0 CR-0449 rev 1 Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces [R4-2301189](file:///D:\RAN4%23106\Docs\R4-2301189.zip))

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

[**R4-2300681**](file:///D:\RAN4%23106\Docs\R4-2300681.zip) **CR to 38.115-1 on introduction of Band n54**

*Type: CR For: Agreement  
 38.115-1 v17.0.0 CR-0002 rev Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

[**R4-2300682**](file:///D:\RAN4%23106\Docs\R4-2300682.zip) **CR to 38.106 on introduction of Band n54**

*Type: CR For: Agreement  
 38.106 v17.3.0 CR-0030 rev Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

[**R4-2300683**](file:///D:\RAN4%23106\Docs\R4-2300683.zip) **CR to 38.176-1 on introduction of Band n54**

*Type: CR For: Agreement  
 38.176-1 v17.3.0 CR-0016 rev Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

[**R4-2300684**](file:///D:\RAN4%23106\Docs\R4-2300684.zip) **CR to 38.176-2 on introduction of Band n54**

*Type: CR For: Agreement  
 38.176-2 v17.3.0 CR-0018 rev Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

[**R4-2300685**](file:///D:\RAN4%23106\Docs\R4-2300685.zip) **CR to 38.174 on introduction of Band n54**

*Type: CR For: Agreement  
 38.174 v17.2.0 CR-0040 rev Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

[**R4-2301190**](file:///D:\RAN4%23106\Docs\R4-2301190.zip) **CR to 36.104 on introduction of Band n54**

*Type: CR For: Agreement  
 36.104 v18.0.0 CR-4966 rev Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

[**R4-2301191**](file:///D:\RAN4%23106\Docs\R4-2301191.zip) **CR to 36.141 on introduction of Band n54**

*Type: CR For: Agreement  
 36.141 v18.0.0 CR-1346 rev Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

[**R4-2301192**](file:///D:\RAN4%23106\Docs\R4-2301192.zip) **CR to 37.104 on introduction of Band n54**

*Type: CR For: Agreement  
 37.104 v18.0.0 CR-0977 rev Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

[**R4-2301193**](file:///D:\RAN4%23106\Docs\R4-2301193.zip) **CR to 37.141 on introduction of Band n54**

*Type: CR For: Agreement  
 37.141 v18.0.0 CR-1029 rev Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **not treated**.

[**R4-2301474**](file:///D:\RAN4%23106\Docs\R4-2301474.zip) **CR related to Introduction of NR TDD Band n54**

*Type: CR For: Agreement  
 37.105 v18.0.0 CR-0268 rev Cat: B (Rel-18)  
  
 Source: Ericsson, Ligado Networks*

**Abstract:**

This contribution is a CR to TS 37.105, introducing new NR band n54

**Decision:** The document was **not treated**.

[**R4-2301475**](file:///D:\RAN4%23106\Docs\R4-2301475.zip) **CR to TS 37.145-1: Introduction of NR band n54**

*Type: CR For: Agreement  
 37.145-1 v18.0.0 CR-0305 rev Cat: B (Rel-18)  
  
 Source: Ericsson, Ligado Networks*

**Abstract:**

This contribution is a CR to TS 37.145-1, introducing new NR band n54

**Decision:** The document was **not treated**.

[**R4-2301476**](file:///D:\RAN4%23106\Docs\R4-2301476.zip) **CR to TS 37.145-2: Introduction of NR band n54**

*Type: CR For: Agreement  
 37.145-2 v18.0.0 CR-0344 rev Cat: B (Rel-18)  
  
 Source: Ericsson, Ligado Networks*

**Abstract:**

This contribution is a CR to TS 37.145-2, introducing new NR band n54

**Decision:** The document was **not treated**.

#### 8.33.4 RRM requirements

**[120] Topic #3: RRM Requirements**

[**R4-2301207**](file:///D:\RAN4%23106\Docs\R4-2301207.zip) **draft CR to TS 38.133: Introduction of NR band n54**

*Type: draftCR For: Endorsement  
 38.133 v18.0.0 CR- rev Cat: B (Rel-18)  
  
 Source: ZTE Corporation*

**Decision:** The document was **not treated**.

[**R4-2301477**](file:///D:\RAN4%23106\Docs\R4-2301477.zip) **CR related to Introduction of NR TDD Band n54**

*Type: CR For: Agreement  
 38.133 v18.0.0 CR-2903 rev Cat: B (Rel-18)  
  
 Source: Ericsson, Ligado Networks*

**Abstract:**

This contribution is a CR to TS 38.133, introducing new NR band n54

**Decision:** The document was **not treated**.

#### 8.33.5 Moderator summary and conclusions

**[106][120] R18\_NR\_TDD\_n54, AI 8.33 – Ojas Choksi (Ligado)**

[**R4-2302813**](file:///D:\RAN4%23106\Docs\R4-2302813.zip) **Topic summary for [106][120] R18\_NR\_TDD\_n54**

*Type: other For: Information  
 Source: Moderator (Ligado)*

**Abstract:**

This contribution provides the summary of email discussion and recommended summary.

**Decision: Return to.**

**Discussions of issues and conclusions**

### 8.34 Introduction of the satellite L-/S-band

#### 8.34.1 General and work plan

[**R4-2300300**](file:///D:\RAN4%23106\Docs\R4-2300300.zip) **Work plan for the NTN L-/S-band**

*Type: Work Plan For: Approval  
 Source: Apple, Globalstar*

**Decision:** The document was **not treated**.

[**R4-2302354**](file:///D:\RAN4%23106\Docs\R4-2302354.zip) **Draft TR for the NTN L-/S-band**

*Type: other For: Information  
 Source: Apple, Globalstar*

**Decision:** The document was **not treated**.

#### 8.34.2 Band definition and system parameters

**[121] Topic #1: System parameters**

[**R4-2300301**](file:///D:\RAN4%23106\Docs\R4-2300301.zip) **System parameters for the NTN L-/S-band**

*Type: discussion For: Discussion  
 Source: Apple, Globalstar*

**Decision:** The document was **not treated**.

[**R4-2301672**](file:///D:\RAN4%23106\Docs\R4-2301672.zip) **Discussion on new FR1 NTN band**

*Type: other For: Approval  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **not treated**.

#### 8.34.3 UE RF requirements

**[121] Topic #2: UE RF requirements**

[**R4-2300302**](file:///D:\RAN4%23106\Docs\R4-2300302.zip) **RF requirements for the NTN L-/S-band**

*Type: discussion For: Discussion  
 Source: Apple, Globalstar*

**Decision:** The document was **not treated**.

[**R4-2301100**](file:///D:\RAN4%23106\Docs\R4-2301100.zip) **Discussion on UE RF for NTN L-S- bands**

*Type: other For: Approval  
 Source: Xiaomi*

**Decision:** The document was **not treated**.

[**R4-2302710**](file:///D:\RAN4%23106\Docs\R4-2302710.zip) **UE additional spurious emission requirements for the L-/S-band**

*Type: other For: Approval  
 Source: Qualcomm Incorporated*

**Decision:** The document was **not treated**.

CR

[**R4-2300304**](file:///D:\RAN4%23106\Docs\R4-2300304.zip) **Draft running CR on Introduction of the NTN L-/S-band to TS 38.101-5**

*Type: draftCR For: Endorsement  
 38.101-5 v18.0.0 CR- rev Cat: B (Rel-18)  
  
 Source: Apple, Globalstar*

**Decision:** The document was **not treated**.

[**R4-2301394**](file:///D:\RAN4%23106\Docs\R4-2301394.zip) **Draft CR to TS 38.101-5: Introduction of a new NTN FDD band n254**

*Type: draftCR For: Endorsement  
 38.101-5 v18.0.0 CR- rev Cat: B (Rel-18)  
  
 Source: ZTE Corporation*

**Decision:** The document was **not treated**.

#### 8.34.4 SAN RF requirements

#### 8.34.5 RRM requirements

**[121] Topic #3: RRM requirements**

[**R4-2300303**](file:///D:\RAN4%23106\Docs\R4-2300303.zip) **RRM requirements for the NTN L-/S-band**

*Type: discussion For: Discussion  
 Source: Apple, Globalstar*

**Decision:** The document was **not treated**.

CR

[**R4-2300305**](file:///D:\RAN4%23106\Docs\R4-2300305.zip) **Draft running CR on Introduction of the NTN L-/S-band to TS 38.133**

*Type: draftCR For: Endorsement  
 38.133 v18.0.0 CR- rev Cat: B (Rel-18)  
  
 Source: Apple, Globalstar*

**Decision:** The document was **not treated**.

[**R4-2301392**](file:///D:\RAN4%23106\Docs\R4-2301392.zip) **Draft CR to TS 38.133:Introduction of a new NTN FDD band n254**

*Type: draftCR For: Endorsement  
 38.133 v18.0.0 CR- rev Cat: B (Rel-18)  
  
 Source: ZTE Corporation*

**Decision:** The document was **not treated**.

#### 8.34.6 Moderator summary and conclusions

**[106][121] NR\_NTN\_LSband, AI 8.34, 8.34.1, 8.34.2, 8.34.3, 8.34.5 – Alexander SAYENKO (Apple)**

[**R4-2302814**](file:///D:\RAN4%23106\Docs\R4-2302814.zip) **Topic summary for [106][121] NR\_NTN\_LSband**

*Type: other For: Information  
 Source: Moderator (Apple)*

**Abstract:**

This contribution provides the summary of email discussion and recommended summary.

**Decision: Return to.**

**Discussions of issues and conclusions**

## 9 Rel-18 on-going non-spectrum related work items and study items for NR

*This is related to Rel-18 on-going non-spectrum related work items and study items for NR.*

*- RAN4-led WIs and SIs are related to agenda item 9.1 – 9.18.*

*- WIs and SIs led by other WGs are related to agenda item 9.19 – 9.32.*

### 9.1 Study on Efficient utilization of licensed spectrum that is not aligned with existing NR channel bandwidths

#### 9.1.1 General and TR

[**R4-2302237**](file:///D:\RAN4%23106\Docs\R4-2302237.zip) **Study on Efficient utilization of licensed spectrum that is not aligned with existing NR channel bandwidth**

*Type: draft TR For: (not specified)  
 38.844 v0.1.0 CR- rev Cat: (Rel-18)  
  
 Source: Ericsson Inc.*

**Decision:** The document was **not treated**.

#### 9.1.2 SIB1 signaling, CBW configuration and legacy behavior related to channel raster

**[123] Topic #1: SIB1 signaling and CBW configuration**

[**R4-2300199**](file:///D:\RAN4%23106\Docs\R4-2300199.zip) **SIB1 signaling, CBW configuration and legacy behavior related to channel raster**

*Type: other For: Approval  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **not treated**.

[**R4-2300487**](file:///D:\RAN4%23106\Docs\R4-2300487.zip) **Views on FR1 low frequency bands on channel raster**

*Type: discussion For: Discussion  
 Source: Intel Corporation*

**Decision:** The document was **not treated**.

[**R4-2300749**](file:///D:\RAN4%23106\Docs\R4-2300749.zip) **SIB1 signaling and configuration of the UE-specific channel bandwidth**

*Type: other For: Approval  
 Source: Ericsson*

**Abstract:**

In this contribution we provide a background to proposed Rel-15 changes to clarify carrier resource grid mapping to the channel raster and the configuration of the UE-specific channel bandwidth

**Decision:** The document was **not treated**.

[**R4-2301232**](file:///D:\RAN4%23106\Docs\R4-2301232.zip) **Discussion on SIB1 signaling and CBW configuration**

*Type: other For: Approval  
 Source: ZTE Corporation*

**Decision:** The document was **not treated**.

[**R4-2301430**](file:///D:\RAN4%23106\Docs\R4-2301430.zip) **Open issues on SIB1 signaling and CBW configuration**

*Type: other For: Approval  
 Source: Huawei, HiSilicon*

**Decision:** The document was **not treated**.

[**R4-2301605**](file:///D:\RAN4%23106\Docs\R4-2301605.zip) **Further discussion on irregular channel bandwidth**

*Type: discussion For: Decision  
 Source: MediaTek Inc.*

**Decision:** The document was **not treated**.

[**R4-2301431**](file:///D:\RAN4%23106\Docs\R4-2301431.zip) **Consideration of the outcome on SIB1 and CBW configuration issue**

*Type: discussion For: Discussion  
 Source: Huawei, HiSilicon*

**Decision:** The document was **not treated**.

TP/draft CR

[**R4-2300371**](file:///D:\RAN4%23106\Docs\R4-2300371.zip) **TP on additional enhancements for irregular channels**

*Type: pCR For: Approval  
 38.844 v0.0.9 CR- rev Cat: (Rel-18)  
  
 Source: Apple*

**Decision:** The document was **not treated**.

[**R4-2301432**](file:///D:\RAN4%23106\Docs\R4-2301432.zip) **One example to introduce 5 kHz channel raster in Rel-18**

*Type: draftCR For: Discussion  
 38.104 v18.0.0 CR- rev Cat: (Rel-18)  
  
 Source: Huawei, HiSilicon*

**Decision:** The document was **not treated**.

Refer to other CRs submitted under AI 4.1 and AI 5.3 “**CRs related to irregular channel bandwidth [123]”**

#### 9.1.3 Finalization of candidate solutions for SI

**[123] Topic #2: Finalization of candidate solutions for SI**

[**R4-2300200**](file:///D:\RAN4%23106\Docs\R4-2300200.zip) **TP to TR 38.844 on Comparison Between Different Schemes**

*Type: other For: Approval  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **not treated**.

##### 9.1.3.1 Use of larger channel bandwidths than licensed bandwidth

[**R4-2300201**](file:///D:\RAN4%23106\Docs\R4-2300201.zip) **TP to TR 38.844 on Larger Channel BW than licensed BW**

*Type: other For: Approval  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **not treated**.

[**R4-2300750**](file:///D:\RAN4%23106\Docs\R4-2300750.zip) **TP for 38.844: Configuration for the case of larger channel bandwidths than licensed bandwidth and conclusions**

*Type: pCR For: Approval  
 38.844 v0.0.9 CR- rev Cat: (Rel-18)  
  
 Source: Ericsson*

**Abstract:**

TP on the method of using a larger CHBW to support an irregular spectrum block for both FDD and TDD.

**Decision:** The document was **not treated**.

[**R4-2301606**](file:///D:\RAN4%23106\Docs\R4-2301606.zip) **TP on the larger channel bandwidth approach (Section 6.1.1) for TR 38.844**

*Type: other For: Approval  
 Source: MediaTek Inc.*

**Decision:** The document was **not treated**.

##### 9.1.3.2 Overlapping CBWs from network perspective

[**R4-2300202**](file:///D:\RAN4%23106\Docs\R4-2300202.zip) **TP to TR 38.844 on Overlapping UE CBWs from Network Perspective**

*Type: other For: Approval  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **not treated**.

[**R4-2300853**](file:///D:\RAN4%23106\Docs\R4-2300853.zip) **Channel Raster Issues related to Overlapping Channel BW from Network Perspecive**

*Type: other For: Approval  
 Source: Qualcomm Incorporated*

**Decision:** The document was **not treated**.

[**R4-2302436**](file:///D:\RAN4%23106\Docs\R4-2302436.zip) **TP for 38.844: conclusions for overlapping CBWs from network perspective**

*Type: pCR For: Approval  
 38.844 v0.0.9 CR- rev Cat: (Rel-18)  
  
 Source: Ericsson*

**Abstract:**

TP with conclusions for overlapping CHBW from a network perspective

**Decision:** The document was **not treated**.

##### 9.1.3.3 Combined UE CBWs (one cell)

##### 9.1.3.4 Overlapping CA (two cells)

#### 9.1.4 Moderator summary and conclusions

**[106][123] FS\_NR\_eff\_BW\_util, AI 9.1 – Esther Sienkiewicz (Ericsson)**

[**R4-2302816**](file:///D:\RAN4%23106\Docs\R4-2302816.zip) **Topic summary for [106][123] FS\_NR\_eff\_BW\_util**

*Type: other For: Information  
 Source: Moderator (Ericsson)*

**Abstract:**

This contribution provides the summary of email discussion and recommended summary.

**Decision: Return to.**

**Discussions of issues and conclusions**

### 9.2 Study on enhancement for 700/800/900MHz band combinations for NR

#### 9.2.1 General and TR

**[124] Topic #1: General**

[**R4-2300560**](file:///D:\RAN4%23106\Docs\R4-2300560.zip) **TP for TR 38.872: scope and references**

*Type: pCR For: Approval  
 38.872 v0.3.0 CR- rev Cat: (Rel-18)  
  
 Source: CATT*

**Decision:** The document was **not treated**.

[**R4-2300561**](file:///D:\RAN4%23106\Docs\R4-2300561.zip) **TR 38.872 v0.4.0**

*Type: draft TR For: Approval  
 38.872 v0.3.0 CR- rev Cat: (Rel-18)  
  
 Source: CATT*

**Decision:** The document was **not treated**.

#### 9.2.2 CA band combination of CA\_n5-n8

##### 9.2.2.1 Feasibility investigation of simultaneous reception and transmissions

**[124] Topic #2: CA\_n5-n8**

[**R4-2300043**](file:///D:\RAN4%23106\Docs\R4-2300043.zip) **Feasibility of CA n5, n8**

*Type: discussion For: Information  
 Source: Spark NZ Ltd*

**Abstract:**

This contribution shares the experience of Spark NZ in operating bands 5 and 8 in close proximity. Although the doc gives base station isolation, the lessons learnt will be of use in deriving isolation requirements for CA n5+n8

**Decision:** The document was **not treated**.

[**R4-2300559**](file:///D:\RAN4%23106\Docs\R4-2300559.zip) **Further discussion on the solutions for CA\_n5-n8**

*Type: other For: Approval  
 Source: CATT*

**Decision:** The document was **not treated**.

[**R4-2300858**](file:///D:\RAN4%23106\Docs\R4-2300858.zip) **Further discussion on methods for overlap in CA\_n5-n8**

*Type: other For: Approval  
 Source: China Telecom*

**Abstract:**

Proposal 1: Option 1for Restricting UL support to n5 UL only shall be excluded from agreed options for UL CA.

Proposal 2: Considering complexity of option 2 non-concurrent CA, option 3 for dedicated filter shall be kept at this stage.

**Decision:** The document was **not treated**.

[**R4-2301264**](file:///D:\RAN4%23106\Docs\R4-2301264.zip) **On CA band combination of n5-n8**

*Type: other For: Approval  
 Source: ZTE Corporation*

**Decision:** The document was **not treated**.

[**R4-2301531**](file:///D:\RAN4%23106\Docs\R4-2301531.zip) **Further discussion on feasibility aspects and RF requirements impact for CA\_n5-n8**

*Type: other For: Approval  
 Source: vivo*

**Decision:** The document was **not treated**.

[**R4-2301615**](file:///D:\RAN4%23106\Docs\R4-2301615.zip) **Discussion on CA\_n5-n8**

*Type: discussion For: Approval  
 Source: Xiaomi*

**Decision:** The document was **not treated**.

[**R4-2302239**](file:///D:\RAN4%23106\Docs\R4-2302239.zip) **Considerations on CA\_n5-n8**

*Type: other For: Approval  
 Source: Qualcomm Finland RFFE Oy*

**Abstract:**

Analysis and proposals on CA\_n5-n8 are provided in this contribution.

**Decision:** The document was **not treated**.

[**R4-2300107**](file:///D:\RAN4%23106\Docs\R4-2300107.zip) **Potential issue on semi-full-duplex CA for CA\_n5-n8**

*Type: other For: Approval  
 Source: Nokia, Nokia Shanghai Bell*

**Abstract:**

This contribution discusses potential issues to use semi-full-duplex CA for CA\_n5-n8.

**Decision:** The document was **not treated**.

TP

[**R4-2302251**](file:///D:\RAN4%23106\Docs\R4-2302251.zip) **TP for TR38.872**

*Type: pCR For: Approval  
 38.872 v0.3.0 CR- rev Cat: (Rel-18)  
  
 Source: Qualcomm Finland RFFE Oy*

**Abstract:**

TP For TR-38.872 is proposed

**Decision:** The document was **not treated**.

##### 9.2.2.2 UE RF requirements

[**R4-2300759**](file:///D:\RAN4%23106\Docs\R4-2300759.zip) **Blocking and MSD for CA\_n5-n8 w/wo dedicated n8R filter**

*Type: other For: Approval  
 38.101-1 v CR- rev Cat: (Rel-18)  
  
 Source: Skyworks Solutions Inc.*

**Abstract:**

In this contribution we provide our feasibility assessment on the different architectures with and without a dedicated filter and evaluate the blocking and MSD issues based on PA measurements.

**Decision:** The document was **not treated**.

[**R4-2300859**](file:///D:\RAN4%23106\Docs\R4-2300859.zip) **RF parameters requirements for dedicated filter for CA\_n5-n8**

*Type: other For: Approval  
 Source: China Telecom*

**Abstract:**

Observation: Only Band n8 Tx filter needs to be optimized to achieve 30dB attenuation at its low boundary with 20dB antenna ISO assumption for 3antenna architecture.

Proposal: 3 antenna architecture shall be kept for dedicated filter analysis.

**Decision:** The document was **not treated**.

[**R4-2302101**](file:///D:\RAN4%23106\Docs\R4-2302101.zip) **Discussion on potential solutions for CA\_n5-n8**

*Type: other For: Approval  
 Source: Huawei, HiSilicon*

**Decision:** The document was **not treated**.

TP

[**R4-2300860**](file:///D:\RAN4%23106\Docs\R4-2300860.zip) **TP for TR 38.872 RF parameters requirements for dedicated filter for CA\_n5-n8**

*Type: pCR For: Approval  
 38.872 v0.3.0 CR- rev Cat: (Rel-18)  
  
 Source: China Telecom*

**Decision:** The document was **not treated**.

[**R4-2302102**](file:///D:\RAN4%23106\Docs\R4-2302102.zip) **TP for TR 38.872 to complete the open issues for CA\_n5-n8**

*Type: pCR For: Approval  
 38.872 v0.3.0 CR- rev Cat: (Rel-18)  
  
 Source: Huawei, HiSilicon*

**Decision:** The document was **not treated**.

#### 9.2.3 CA band combination of CA\_n5-n28

##### 9.2.3.1 Feasibility investigation of simultaneous reception and transmissions

**[124] Topic #3: CA\_n5-n28**

[**R4-2301265**](file:///D:\RAN4%23106\Docs\R4-2301265.zip) **On CA band combination of n5-n28**

*Type: other For: Approval  
 Source: ZTE Corporation*

**Decision:** The document was **not treated**.

[**R4-2302253**](file:///D:\RAN4%23106\Docs\R4-2302253.zip) **Considerations on CA\_n5-n28**

*Type: other For: Approval  
 Source: Qualcomm Finland RFFE Oy*

**Abstract:**

Analysis and proposals on CA\_n5-n28 are provided in this contribution.

**Decision:** The document was **not treated**.

##### 9.2.3.2 UE RF requirements

[**R4-2300657**](file:///D:\RAN4%23106\Docs\R4-2300657.zip) **2UL cross band MSDs for CA\_n5-n28**

*Type: other For: Approval  
 38.101-1 v CR- rev Cat: (Rel-18)  
  
 Source: Skyworks Solutions Inc.*

**Abstract:**

In this contribution we provide our feasibility assessment on different architectures and evaluate the n28 DL de-sense due to the combined interference of band n28 and n5 ULs.

**Decision:** The document was **not treated**.

[**R4-2302097**](file:///D:\RAN4%23106\Docs\R4-2302097.zip) **Discussion on MSD evaluation for CA\_n5-n28**

*Type: other For: Approval  
 Source: Huawei, HiSilicon*

**Decision:** The document was **not treated**.

TP

[**R4-2301266**](file:///D:\RAN4%23106\Docs\R4-2301266.zip) **TP to TR 38.872: 1UL cross band isolation MSD value for n5-n28**

*Type: pCR For: Approval  
 38.872 v0.3.0 CR- rev Cat: (Rel-18)  
  
 Source: ZTE Corporation*

**Decision:** The document was **not treated**.

[**R4-2302098**](file:///D:\RAN4%23106\Docs\R4-2302098.zip) **TP for TR 38.872 to capture MSD evaluation for CA\_n5-n28**

*Type: pCR For: Approval  
 38.872 v0.3.0 CR- rev Cat: (Rel-18)  
  
 Source: Huawei, HiSilicon*

**Decision:** The document was **not treated**.

#### 9.2.4 CA band combination of CA\_n8-n20-n28

##### 9.2.4.1 Feasibility investigation of simultaneous reception and transmissions

##### 9.2.4.2 UE RF requirements

**[124] Topic #4: CA\_n8-n20-n28**

[**R4-2300654**](file:///D:\RAN4%23106\Docs\R4-2300654.zip) **2UL IMD3 MSDs for CA\_n8-n20-n28**

*Type: other For: Approval  
 38.101-1 v CR- rev Cat: (Rel-18)  
  
 Source: Skyworks Solutions Inc.*

**Abstract:**

In this contribution we provide our feasibility assessment on isolation to third band for different architectures and derive IMD3 related MSDs to third band accordingly.

**Decision:** The document was **not treated**.

[**R4-2302099**](file:///D:\RAN4%23106\Docs\R4-2302099.zip) **Discussion on MSD evaluation and deltaTibRib for CA\_n8-n20-n28**

*Type: other For: Approval  
 Source: Huawei, HiSilicon*

**Decision:** The document was **not treated**.

TP

[**R4-2302100**](file:///D:\RAN4%23106\Docs\R4-2302100.zip) **TP for TR 38.872 to capture MSD evaluation and deltaTibRib for CA\_n8-n20-n28**

*Type: pCR For: Approval  
 38.872 v0.3.0 CR- rev Cat: (Rel-18)  
  
 Source: Huawei, HiSilicon*

**Decision:** The document was **not treated**.

#### 9.2.5 Moderator summary and conclusions

**[106][124] FS\_NR\_700800900, AI 9.2 – Huiping Shan (CATT)**

[**R4-2302817**](file:///D:\RAN4%23106\Docs\R4-2302817.zip) **Topic summary for [106][124] FS\_NR\_700800900**

*Type: other For: Information  
 Source: Moderator (CATT)*

**Abstract:**

This contribution provides the summary of email discussion and recommended summary.

**Decision: Return to.**

**Discussions of issues and conclusions**

### 9.3 Study on simplification of band combination specification for NR and LTE

#### 9.3.1 General and work plan

**[125] Topic #1: General and work plan**

[**R4-2302551**](file:///D:\RAN4%23106\Docs\R4-2302551.zip) **TR 38.846 v0.3.0\_Study on simplification of band combination specification for NR and LTE**

*Type: draft TR For: Agreement  
 38.846 v0.3.0 CR- rev Cat: (Rel-18)  
  
 Source: ZTE Corporation*

**Decision:** The document was **not treated**.

#### 9.3.2 Simplification of working procedure

**[125] Topic #2: Simplification of working procedure**

[**R4-2301676**](file:///D:\RAN4%23106\Docs\R4-2301676.zip) **Adding guidance on document type for addition of band combinations**

*Type: other For: Approval  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **not treated**.

[**R4-2302571**](file:///D:\RAN4%23106\Docs\R4-2302571.zip) **Discussion on template of mixed intra-band contiguous and non-contiguous NR CA**

*Type: discussion For: Approval  
 Source: ZTE Corporation*

**Decision:** The document was **not treated**.

[**R4-2302525**](file:///D:\RAN4%23106\Docs\R4-2302525.zip) **Discussion on the rules of making up for the missing fallbacks**

*Type: discussion For: Discussion  
 Source: CHTTL*

**Decision:** The document was **not treated**.

TP

[**R4-2302572**](file:///D:\RAN4%23106\Docs\R4-2302572.zip) **TP for TR 38.846 on template for mixed intra-band contiguous and non-contiguous NR CA**

*Type: pCR For: Approval  
 38.846 v0.2.0 CR- rev Cat: (Rel-18)  
  
 Source: ZTE Corporation*

**Decision:** The document was **not treated**.

#### 9.3.3 Simplification of specification and reduction of test burden

**[125] Topic #3: Simplification of specification and reduction of test burden**

[**R4-2300370**](file:///D:\RAN4%23106\Docs\R4-2300370.zip) **On FR1 2UL inter-band CA coexistence requirements**

*Type: other For: Approval  
 Source: Apple*

**Decision:** The document was **not treated**.

[**R4-2300425**](file:///D:\RAN4%23106\Docs\R4-2300425.zip) **Discussions on LTE interband 2UL CA co-ex simplification**

*Type: discussion For: Discussion  
 Source: Nokia*

**Decision:** The document was **not treated**.

[**R4-2302569**](file:///D:\RAN4%23106\Docs\R4-2302569.zip) **Discussion on simplification for CA uplink configurations**

*Type: discussion For: Approval  
 Source: ZTE Corporation*

**Decision:** The document was **not treated**.

[**R4-2302103**](file:///D:\RAN4%23106\Docs\R4-2302103.zip) **Discussion on MSD test burden reduction**

*Type: other For: Approval  
 38.846 v CR- rev Cat: (Rel-18)  
  
 Source: Huawei, HiSilicon*

**Decision:** The document was **not treated**.

[**R4-2300937**](file:///D:\RAN4%23106\Docs\R4-2300937.zip) **Cross-band isolation MSD test point simplification for EN-DC**

*Type: discussion For: Discussion  
 38.101-3 v CR- rev Cat: (Rel-18)  
  
 Source: Skyworks Solutions Inc.*

**Decision:** The document was **not treated**.

[**R4-2302738**](file:///D:\RAN4%23106\Docs\R4-2302738.zip) **Views on BC simplification for two-band combinations**

*Type: other For: Approval  
 Source: Skyworks Solutions Inc.*

**Decision:** The document was **not treated**.

TP

[**R4-2302570**](file:///D:\RAN4%23106\Docs\R4-2302570.zip) **TP for TR 38.846 on simplification for CA uplink configurations**

*Type: pCR For: Approval  
 38.846 v0.2.0 CR- rev Cat: (Rel-18)  
  
 Source: ZTE Corporation*

**Decision:** The document was **not treated**.

[**R4-2302104**](file:///D:\RAN4%23106\Docs\R4-2302104.zip) **TP for TR 38.846 to capture some agreements for MSD test burden reduction**

*Type: pCR For: Approval  
 38.846 v0.2.0 CR- rev Cat: (Rel-18)  
  
 Source: Huawei, HiSilicon*

**Decision:** The document was **not treated**.

#### 9.3.4 Others

**[125] Topic #4: Other aspects related to FS\_SimBC**

[**R4-2302379**](file:///D:\RAN4%23106\Docs\R4-2302379.zip) **Restructure TR for basket WI with MSD analysis**

*Type: other For: Approval  
 Source: Huawei, HiSilicon*

**Decision:** The document was **not treated**.

#### 9.3.5 Moderator summary and conclusions

**[106][125] FS\_SimBC, AI 9.3 – Zhifeng Ma (ZTE)**

[**R4-2302818**](file:///D:\RAN4%23106\Docs\R4-2302818.zip) **Topic summary for [106][125] FS\_SimBC**

*Type: other For: Information  
 Source: Moderator (ZTE)*

**Abstract:**

This contribution provides the summary of email discussion and recommended summary.

**Decision: Return to.**

**Discussions of issues and conclusions**

### 9.4 Study on NR BS RF requirement evolution

### 9.5 Study on NR FR2 OTA testing enhancements

### 9.6 Further RF requirements enhancement for NR and EN-DC in FR1

#### 9.6.1 General and work plan

#### 9.6.2 4Tx UE RF requirements

**[127] Topic #1: Issues for 4Tx (Agenda 9.6.2)**

[**R4-2300950**](file:///D:\RAN4%23106\Docs\R4-2300950.zip) **4Tx UE RF requirements**

*Type: discussion For: Discussion  
 Source: LG Electronics*

**Abstract:**

It discusses 4Tx UE RF requirements.

**Decision:** The document was **not treated**.

[**R4-2301175**](file:///D:\RAN4%23106\Docs\R4-2301175.zip) **R18 Discussion on 4Tx FWA**

*Type: other For: Approval  
 Source: OPPO*

**Decision:** The document was **not treated**.

[**R4-2301537**](file:///D:\RAN4%23106\Docs\R4-2301537.zip) **Discussion on 4Tx UE RF requirements**

*Type: other For: Approval  
 Source: vivo*

**Decision:** The document was **not treated**.

[**R4-2301613**](file:///D:\RAN4%23106\Docs\R4-2301613.zip) **On 4Tx UE RF requirements**

*Type: discussion For: Decision  
 Source: MediaTek Inc.*

**Decision:** The document was **not treated**.

[**R4-2302367**](file:///D:\RAN4%23106\Docs\R4-2302367.zip) **On UE RF requirements for 4Tx**

*Type: other For: Approval  
 Source: Huawei, HiSilicon*

**Decision:** The document was **not treated**.

[**R4-2302516**](file:///D:\RAN4%23106\Docs\R4-2302516.zip) **4 Tx RF issues**

*Type: other For: Approval  
 38.101-1 v CR- rev Cat: (Rel-18)  
  
 Source: Qualcomm Incorporated*

**Abstract:**

Discussion on 4Tx RF issues

**Decision:** The document was **not treated**.

[**R4-2302742**](file:///D:\RAN4%23106\Docs\R4-2302742.zip) **EVM for Transmit Diversity with 4Tx**

*Type: discussion For: Approval  
 Source: Lenovo*

**Decision:** The document was **not treated**.

Draft CR

[**R4-2302368**](file:///D:\RAN4%23106\Docs\R4-2302368.zip) **draft CR to TS 38.101-1 4Tx requirements (phase 1)**

*Type: draftCR For: Discussion  
 38.101-1 v18.0.0 CR- rev Cat: (Rel-18)  
  
 Source: Huawei, HiSilicon*

**Decision:** The document was **not treated**.

#### 9.6.3 8Rx UE RF requirements

**[128] Topic #1: ΔRIB for 8Rx for TDD**

[**R4-2300696**](file:///D:\RAN4%23106\Docs\R4-2300696.zip) **8RX UE RF requirements**

*Type: other For: Approval  
 Source: Qualcomm Finland RFFE Oy*

**Abstract:**

Considerations and proposals on 8RX UE RF requirements are provided in this contribution.

**Decision:** The document was **not treated**.

[**R4-2301096**](file:///D:\RAN4%23106\Docs\R4-2301096.zip) **Discussion on 8Rx on for CPE FWA vehicle industrial devices**

*Type: other For: Approval  
 38.101-1 v CR- rev Cat: (Rel-18)  
  
 Source: Xiaomi*

**Decision:** The document was **not treated**.

[**R4-2301106**](file:///D:\RAN4%23106\Docs\R4-2301106.zip) **Views on 8Rx for CPE FWA vehicle industrail devices**

*Type: discussion For: Discussion  
 Source: Samsung*

**Decision:** The document was **not treated**.

[**R4-2301174**](file:///D:\RAN4%23106\Docs\R4-2301174.zip) **R18 Discussion on 8Rx FWA**

*Type: other For: Approval  
 Source: OPPO*

**Decision:** The document was **not treated**.

[**R4-2301538**](file:///D:\RAN4%23106\Docs\R4-2301538.zip) **Discussion on 8Rx UE RF requirements**

*Type: other For: Approval  
 Source: vivo*

**Decision:** The document was **not treated**.

[**R4-2301588**](file:///D:\RAN4%23106\Docs\R4-2301588.zip) **Further view on 8Rx for Rel-18 RF FR1 enhancements**

*Type: other For: Approval  
 Source: NTT DOCOMO INC.*

**Decision:** The document was **not treated**.

[**R4-2301763**](file:///D:\RAN4%23106\Docs\R4-2301763.zip) **On FR1 8Rx UE RF requirements**

*Type: other For: Approval  
 Source: Huawei, HiSilicon*

**Decision:** The document was **not treated**.

[**R4-2302347**](file:///D:\RAN4%23106\Docs\R4-2302347.zip) **Discussion on FR1 8RX UE RF requirements**

*Type: discussion For: Approval  
 38.101-1 v CR- rev Cat: (Rel-18)  
  
 Source: Mediatek India Technology Pvt.*

**Decision:** The document was **not treated**.

[**R4-2302732**](file:///D:\RAN4%23106\Docs\R4-2302732.zip) **Further discussion on UE RF requirements for 8Rx in FR1**

*Type: other For: Approval  
 Source: Ericsson Limited*

**Decision:** The document was **not treated**.

**[128] Topic #2: ΔTRxSRS**

[**R4-2300215**](file:///D:\RAN4%23106\Docs\R4-2300215.zip) **Delta TRxSRS handling**

*Type: other For: Approval  
 Source: Nokia, Nokia Shanghai Bell*

**Abstract:**

This contribution discusses necessity of reporting of delta TRxSRS as well as relaxation on the main Tx chain via delta TRxSRS.

**Decision:** The document was **not treated**.

[**R4-2302746**](file:///D:\RAN4%23106\Docs\R4-2302746.zip) **On ?TRxSRS Measurement**

*Type: discussion For: Discussion  
 Source: Lenovo*

**Decision:** The document was **not treated**.

LS

[**R4-2301765**](file:///D:\RAN4%23106\Docs\R4-2301765.zip) **draft LS on the UE SRS IL imbalance issue**

*Type: LS out For: Approval  
 to RAN1, RAN2  
 Source: Huawei, HiSilicon*

**Decision:** The document was **not treated**.

**Topic #3: ΔPPowerClass for SRS antenna switching for PCMAX\_H,f,c**

draft CR

[**R4-2301764**](file:///D:\RAN4%23106\Docs\R4-2301764.zip) **draft CR for 38.101-1 removal of 3dB relaxation to PCMAX\_H,f,c for 8Rx capable UE**

*Type: draftCR For: Endorsement  
 38.101-1 v18.0.0 CR- rev Cat: B (Rel-18)  
  
 Source: Huawei, HiSilicon*

**Decision:** The document was **not treated**.

#### 9.6.4 Lower MSD for inter-band CA/EN-DC/DC combinations

**[126] Topic #1: General issues**

[**R4-2302369**](file:///D:\RAN4%23106\Docs\R4-2302369.zip) **Discussion on conclusion of study phase for feasibility of lower MSD**

*Type: other For: Approval  
 Source: Huawei, HiSilicon*

**Decision:** The document was **not treated**.

TP/TR

[**R4-2302370**](file:///D:\RAN4%23106\Docs\R4-2302370.zip) **TR 38.881 v0.3.0**

*Type: draft TR For: Endorsement  
 38.881 v0.3.0 CR- rev Cat: (Rel-18)  
  
 Source: Huawei, HiSilicon*

**Decision:** The document was **not treated**.

**[126] Topic #3: TPs for TR 38.881**

TP

[**R4-2300041**](file:///D:\RAN4%23106\Docs\R4-2300041.zip) **TR handling and TP on possible Lower MSD signaling for TR 38.881**

*Type: pCR For: Approval  
 38.881 v0.2.0 CR- rev Cat: (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Abstract:**

This contribution discusses TR handling and propose a TP for possible lower MSD signaling into TR 38.881.

**Decision:** The document was **not treated**.

[**R4-2301097**](file:///D:\RAN4%23106\Docs\R4-2301097.zip) **TP for 38.881 on feasible study**

*Type: other For: Approval  
 38.101-1 v CR- rev Cat: (Rel-18)  
  
 Source: Xiaomi*

**Decision:** The document was **not treated**.

##### 9.6.4.1 Study of approach to Improve MSD

[**R4-2300984**](file:///D:\RAN4%23106\Docs\R4-2300984.zip) **Discussion On the Fundamentals of Lowering MSDs**

*Type: discussion For: Discussion  
 38.101-1 v CR- rev Cat: (Rel-18)  
  
 Source: Murata Manufacturing Co Ltd.*

**Abstract:**

In this document, basing on the fundamentals of existing MSD specs, we review the limitations and reasonable approaches RAN4 can take to achieve the goal of lowering MSDs

**Decision:** The document was **not treated**.

##### 9.6.4.2 Study of signaling for improved lower MSD

**[126] Topic #2: Study of signaling for Lower MSD**

[**R4-2300040**](file:///D:\RAN4%23106\Docs\R4-2300040.zip) **Lower MSD signaling**

*Type: other For: Approval  
 Source: Nokia, Nokia Shanghai Bell*

**Abstract:**

RAN4#105 approved WF of [R4-2220824](file:///D:\RAN4%23106\Docs\R4-2220824.zip), where several way forwards related to signaling aspects are captured. This contribution is an update of [R4-2218554](file:///D:\RAN4%23106\Docs\R4-2218554.zip) (where zero MSD region report was also proposed) and shares our further views.

**Decision:** The document was **not treated**.

[**R4-2300206**](file:///D:\RAN4%23106\Docs\R4-2300206.zip) **Lower MSD capability signalling**

*Type: other For: Approval  
 Source: Meta Ireland*

**Abstract:**

we propose the reported lower MSD value range, MSD threshold and granularity for the lower MSD capability. Also, we propose how to apply the MSD applicability for different orders and different MSD sources.

**Decision:** The document was **not treated**.

[**R4-2300719**](file:///D:\RAN4%23106\Docs\R4-2300719.zip) **On the signalling design for low-MSD capability**

*Type: other For: Approval  
 Source: Huawei, HiSilicon*

**Decision:** The document was **not treated**.

[**R4-2302744**](file:///D:\RAN4%23106\Docs\R4-2302744.zip) **Signaling for low MSD**

*Type: other For: Approval  
 38.101-1 v CR- rev Cat: (Rel-18)  
  
 Source: Qualcomm Technologies Int*

**Abstract:**

Proposals on signaling for low MSD

**Decision:** The document was **not treated**.

[**R4-2300797**](file:///D:\RAN4%23106\Docs\R4-2300797.zip) **Discussion on lower MSD capability**

*Type: discussion For: Discussion  
 Source: CMCC*

**Decision:** The document was **not treated**.

[**R4-2301098**](file:///D:\RAN4%23106\Docs\R4-2301098.zip) **Discussion on lower MSD signaling for inter-band CA/EN-DC/DC**

*Type: other For: Approval  
 38.101-1 v CR- rev Cat: (Rel-18)  
  
 Source: Xiaomi*

**Decision:** The document was **not treated**.

[**R4-2301105**](file:///D:\RAN4%23106\Docs\R4-2301105.zip) **Views on Lower MSD**

*Type: discussion For: Discussion  
 Source: Samsung, KT corporation*

**Decision:** The document was **not treated**.

[**R4-2301176**](file:///D:\RAN4%23106\Docs\R4-2301176.zip) **R18 Discussion on low MSD reporting**

*Type: other For: Approval  
 Source: OPPO*

**Decision:** The document was **not treated**.

[**R4-2301267**](file:///D:\RAN4%23106\Docs\R4-2301267.zip) **On lower MSD for inter-band CA/ENDC**

*Type: other For: Approval  
 Source: ZTE Corporation*

**Decision:** The document was **not treated**.

[**R4-2301536**](file:///D:\RAN4%23106\Docs\R4-2301536.zip) **Discussion of signaling on Lower MSD**

*Type: other For: Approval  
 Source: vivo*

**Decision:** The document was **not treated**.

[**R4-2301709**](file:///D:\RAN4%23106\Docs\R4-2301709.zip) **Continue discussion for low MSD**

*Type: discussion For: Approval  
 38.101-1 v CR- rev Cat: (Rel-18)  
  
 Source: MediaTek Inc.*

**Decision:** The document was **not treated**.

[**R4-2302481**](file:///D:\RAN4%23106\Docs\R4-2302481.zip) **Discussion on the capability signalling design for Low MSD indication**

*Type: discussion For: Discussion  
 Source: CHTTL*

**Decision:** The document was **not treated**.

Withdrawn

[**R4-2300757**](file:///D:\RAN4%23106\Docs\R4-2300757.zip) **Signaling for low MSD**

*Type: other For: Approval  
 38.101-1 v CR- rev Cat: (Rel-18)  
  
 Source: Qualcomm Incorporated*

**Abstract:**

Proposals on signaling for low MSD

**Decision:** The document was **withdrawn**.

#### 9.6.5 RRM core requirements

#### 9.6.6 Demodulation and CSI requirements

#### 9.6.7 Moderator summary and conclusions

**[106][126] FR1\_enh2\_part1, AI 9.6, 9.6.1, 9.6.4 – Ye Liu (Huawei)**

[**R4-2302819**](file:///D:\RAN4%23106\Docs\R4-2302819.zip) **Topic summary for [106][126] FR1\_enh2\_part1**

*Type: other For: Information  
 Source: Moderator (Huawei)*

**Abstract:**

This contribution provides the summary of email discussion and recommended summary.

**Decision: Return to.**

**Discussions of issues and conclusions**

**[106][127] FR1\_enh2\_part2 , AI 9.6.2 – Sanjun Feng (Vivo)**

[**R4-2302820**](file:///D:\RAN4%23106\Docs\R4-2302820.zip) **Topic summary for [106][127] FR1\_enh2\_part2**

*Type: other For: Information  
 Source: Moderator (Vivo)*

**Abstract:**

This contribution provides the summary of email discussion and recommended summary.

**Decision: Return to.**

**Discussions of issues and conclusions**

**[106][128] FR1\_enh2\_part3, AI 9.6.3 – Yuta Oguma (NTT DOCOMO)**

[**R4-2302821**](file:///D:\RAN4%23106\Docs\R4-2302821.zip) **Topic summary for [106][128] FR1\_enh2\_part3**

*Type: other For: Information  
 Source: Moderator (NTT DOCOMO)*

**Abstract:**

This contribution provides the summary of email discussion and recommended summary.

**Decision: Return to.**

**Discussions of issues and conclusions**

### 9.7 NR RF requirements enhancement for FR2, Phase 3

#### 9.7.1 General and work plan

[**R4-2301618**](file:///D:\RAN4%23106\Docs\R4-2301618.zip) **TR38.891 v 0.3.0 for NR RF requirements enhancement for frequency range 2 (FR2), Phase 3**

*Type: draft TR For: Approval  
 38.891 v0.2.0 CR- rev Cat: (Rel-18)  
  
 Source: Xiaomi,Nokia*

**Decision:** The document was **not treated**.

#### 9.7.2 UL 256QAM

**[130] Topic #1: EVM requirements for UL 256QAM**

[**R4-2300193**](file:///D:\RAN4%23106\Docs\R4-2300193.zip) **System level simulation results for FR2-1 UL 256QAM**

*Type: other For: Information  
 Source: Nokia, Nokia Shanghai Bell*

**Abstract:**

This contribution provides system level simulation results for FR2-1 UL 256QAM according to the agreed simulation assumptions.

**Decision:** The document was **not treated**.

[**R4-2300821**](file:///D:\RAN4%23106\Docs\R4-2300821.zip) **Discussion on FR2-1 UL 256QAM**

*Type: discussion For: (not specified)  
 Source: LG Electronics France*

**Decision:** The document was **not treated**.

[**R4-2301235**](file:///D:\RAN4%23106\Docs\R4-2301235.zip) **Discussion on FR2-1 UL 256QAM**

*Type: other For: Approval  
 Source: ZTE Corporation*

**Decision:** The document was **not treated**.

[**R4-2301433**](file:///D:\RAN4%23106\Docs\R4-2301433.zip) **Discussion on UE UL 256QAM**

*Type: other For: Approval  
 Source: Huawei, HiSilicon*

**Decision:** The document was **not treated**.

[**R4-2301569**](file:///D:\RAN4%23106\Docs\R4-2301569.zip) **Further evaluation on FR2 UL 256QAM**

*Type: other For: Approval  
 Source: vivo*

**Decision:** The document was **not treated**.

[**R4-2301620**](file:///D:\RAN4%23106\Docs\R4-2301620.zip) **Discussion on UL 256QAM**

*Type: discussion For: Discussion  
 Source: Xiaomi*

**Decision:** The document was **not treated**.

[**R4-2302240**](file:///D:\RAN4%23106\Docs\R4-2302240.zip) **Views on UL 256-QAM for FR2-1**

*Type: other For: Approval  
 Source: Sony*

**Decision:** The document was **not treated**.

[**R4-2302529**](file:///D:\RAN4%23106\Docs\R4-2302529.zip) **Proposals on UE RF requirements for FR2-1 UL 256QAM**

*Type: other For: Approval  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **not treated**.

[**R4-2302733**](file:///D:\RAN4%23106\Docs\R4-2302733.zip) **Discussion on UE RF requirements for UL 256QAM for FR2-1**

*Type: other For: Approval  
 Source: Ericsson Limited*

**Decision:** The document was **not treated**.

[**R4-2302734**](file:///D:\RAN4%23106\Docs\R4-2302734.zip) **SLS results for UL 256QAM feasibility study for FR2-1**

*Type: other For: Information  
 Source: Ericsson Limited*

**Decision:** The document was **not treated**.

**[130] Topic #2: MPR**

[**R4-2300707**](file:///D:\RAN4%23106\Docs\R4-2300707.zip) **On enabling FR2 UL256QAM**

*Type: other For: Approval  
 Source: Qualcomm Incorporated*

**Abstract:**

Proposals on details of PTRS calculation

**Decision:** The document was **not treated**.

[**R4-2301147**](file:///D:\RAN4%23106\Docs\R4-2301147.zip) **UL 256QAM and CPE compensation based on PTRS**

*Type: other For: Approval  
 Source: Anritsu Limited*

**Decision:** The document was **not treated**.

[**R4-2301928**](file:///D:\RAN4%23106\Docs\R4-2301928.zip) **Views on FR2-1 UL 256QAM**

*Type: discussion For: Discussion  
 Source: MediaTek Korea Inc.*

**Decision:** The document was **not treated**.

**[130] Topic #3: EVM test**

[**R4-2300343**](file:///D:\RAN4%23106\Docs\R4-2300343.zip) **On FR2 UL 256QAM**

*Type: other For: Approval  
 Source: Apple*

**Decision:** The document was **not treated**.

[**R4-2302371**](file:///D:\RAN4%23106\Docs\R4-2302371.zip) **On PTRS correction for EVM test**

*Type: other For: Approval  
 Source: Huawei, HiSilicon*

**Decision:** The document was **not treated**.

**[130] Topic #4: TP**

[**R4-2301619**](file:///D:\RAN4%23106\Docs\R4-2301619.zip) **TP for TR 38.891 on link level simulation results and system level simulation assumption for FR2 UL 256QAM**

*Type: pCR For: Approval  
 38.891 v0.2.0 CR- rev Cat: (Rel-18)  
  
 Source: Xiaomi*

**Decision:** The document was **not treated**.

Withdrawn

[**R4-2300194**](file:///D:\RAN4%23106\Docs\R4-2300194.zip) **Proposals on UE RF requirements for FR2-1 UL 256QAM**

*Type: other For: Approval  
 Source: Nokia, Nokia Shanghai Bell*

**Abstract:**

This contribution provides proposals on UE RF requirements for FR2-1 UL 256QAM according to the agreed WF and the simulation results.

**Decision:** The document was **withdrawn**.

[**R4-2302337**](file:///D:\RAN4%23106\Docs\R4-2302337.zip) **Proposals on UE RF requirements for FR2-1 UL 256QAM**

*Type: other For: Approval  
 Source: Nokia, Nokia Shanghai Bell*

**Abstract:**

This contribution provides proposals on UE RF requirements for FR2-1 UL 256QAM according to the agreed WF and the simulation results.

**Decision:** The document was **withdrawn**.

#### 9.7.3 Beam correspondence requirements for RRC\_INACTIVE and initial access

##### 9.7.3.1 Beam correspondence requirement applicability

**[129] Topic #1: Beam correspondence requirement applicability**

[**R4-2302249**](file:///D:\RAN4%23106\Docs\R4-2302249.zip) **Views on Beam correspondence for initial access**

*Type: other For: Approval  
 Source: Sony, Ericsson*

**Decision:** The document was **not treated**.

[**R4-2300505**](file:///D:\RAN4%23106\Docs\R4-2300505.zip) **Beam correspondence requirement applicability**

*Type: other For: Approval  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **not treated**.

[**R4-2300708**](file:///D:\RAN4%23106\Docs\R4-2300708.zip) **On initial access beam correspondence**

*Type: other For: Approval  
 Source: Qualcomm Incorporated*

**Abstract:**

Views on beam correspondence for initial access

**Decision:** The document was **not treated**.

[**R4-2300795**](file:///D:\RAN4%23106\Docs\R4-2300795.zip) **Beam correspondence requirements for initial access**

*Type: discussion For: Discussion  
 Source: CMCC*

**Decision:** The document was **not treated**.

[**R4-2301179**](file:///D:\RAN4%23106\Docs\R4-2301179.zip) **R18 FR2 beam correspondence requirements in IA**

*Type: other For: Approval  
 Source: OPPO*

**Decision:** The document was **not treated**.

[**R4-2301570**](file:///D:\RAN4%23106\Docs\R4-2301570.zip) **Discussion on beam correspondence requirement applicability in initial access**

*Type: other For: Approval  
 Source: vivo*

**Decision:** The document was **not treated**.

[**R4-2301579**](file:///D:\RAN4%23106\Docs\R4-2301579.zip) **On beam correspondence requirements**

*Type: discussion For: Discussion  
 Source: Huawei, HiSilicon*

**Decision:** The document was **not treated**.

[**R4-2301609**](file:///D:\RAN4%23106\Docs\R4-2301609.zip) **On correspondence requirements for initial access and RRC\_INACTIVE**

*Type: discussion For: Decision  
 Source: MediaTek Inc.*

**Decision:** The document was **not treated**.

[**R4-2301621**](file:///D:\RAN4%23106\Docs\R4-2301621.zip) **Discussion on beam correspondence requirements for RRC\_INACTIVE and initial access**

*Type: discussion For: Discussion  
 Source: Xiaomi*

**Decision:** The document was **not treated**.

[**R4-2302476**](file:///D:\RAN4%23106\Docs\R4-2302476.zip) **On BC requirement for IA/RA-SDT/CG-SDT**

*Type: discussion For: Discussion  
 Source: Apple*

**Decision:** The document was **not treated**.

##### 9.7.3.2 UE beam type and DRX implications

**[129] Topic #2: UE beam type and DRX implications**

[**R4-2300506**](file:///D:\RAN4%23106\Docs\R4-2300506.zip) **UE beam type and DRX implicationss**

*Type: other For: Approval  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **not treated**.

[**R4-2301180**](file:///D:\RAN4%23106\Docs\R4-2301180.zip) **R18 FR2 beam type in IA**

*Type: other For: Approval  
 Source: OPPO*

**Decision:** The document was **not treated**.

[**R4-2301571**](file:///D:\RAN4%23106\Docs\R4-2301571.zip) **Discussion on beam correspondence requirement for msg1**

*Type: other For: Approval  
 Source: vivo*

**Decision:** The document was **not treated**.

[**R4-2301608**](file:///D:\RAN4%23106\Docs\R4-2301608.zip) **On beam type for beam correspondence requirements for initial access and RRC\_INACTIVE**

*Type: discussion For: Decision  
 Source: MediaTek Inc.*

**Decision:** The document was **not treated**.

##### 9.7.3.3 Beam correspondence test issues

**[129] Topic #3: Beam correspondence test issues**

[**R4-2300507**](file:///D:\RAN4%23106\Docs\R4-2300507.zip) **Beam correspondence test issues**

*Type: other For: Approval  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **not treated**.

[**R4-2300796**](file:///D:\RAN4%23106\Docs\R4-2300796.zip) **Beam correspondence test issues for initial access state**

*Type: discussion For: Discussion  
 Source: CMCC*

**Decision:** The document was **not treated**.

[**R4-2300989**](file:///D:\RAN4%23106\Docs\R4-2300989.zip) **Discussion on how to achieve maximum output power in initial access**

*Type: discussion For: Discussion  
 Source: Samsung*

**Decision:** The document was **not treated**.

[**R4-2301181**](file:///D:\RAN4%23106\Docs\R4-2301181.zip) **R18 FR2 beam correspondence test in IA**

*Type: other For: Approval  
 Source: OPPO*

**Decision:** The document was **not treated**.

[**R4-2301580**](file:///D:\RAN4%23106\Docs\R4-2301580.zip) **On beam correspondence test issues**

*Type: discussion For: Discussion  
 Source: Huawei, HiSilicon*

**Decision:** The document was **not treated**.

[**R4-2301607**](file:///D:\RAN4%23106\Docs\R4-2301607.zip) **On beam correspondence test issues**

*Type: discussion For: Decision  
 Source: MediaTek Inc.*

**Decision:** The document was **not treated**.

#### 9.7.4 Moderator summary and conclusions

**[106][129] FR2\_enh\_req\_Ph3\_part1, AI 9.7, 9.7.1, 9.7.3 – Hisashi Onozawa (Nokia)**

[**R4-2302822**](file:///D:\RAN4%23106\Docs\R4-2302822.zip) **Topic summary for [106][129] FR2\_enh\_req\_Ph3\_part1**

*Type: other For: Information  
 Source: Moderator (Nokia)*

**Abstract:**

This contribution provides the summary of email discussion and recommended summary.

**Decision: Return to.**

**Discussions of issues and conclusions**

**[106][130] FR2\_enh\_req\_Ph3\_part2, AI 9.7.2 – Juan Zhang (Xiaomi)**

[**R4-2302823**](file:///D:\RAN4%23106\Docs\R4-2302823.zip) **Topic summary for [106][130] FR2\_enh\_req\_Ph3\_part2**

*Type: other For: Information  
 Source: Moderator (Xiaomi)*

**Abstract:**

This contribution provides the summary of email discussion and recommended summary.

**Decision: Return to.**

**Discussions of issues and conclusions**

### 9.8 Requirement for NR FR2 multi-Rx chain DL reception

#### 9.8.1 General and work plan

#### 9.8.2 UE RF requirements for simultaneous DL reception with up to 4 layer MIMO

[**R4-2301759**](file:///D:\RAN4%23106\Docs\R4-2301759.zip) **On UE RF requirement for FR2 multi-Rx chain DL reception**

*Type: other For: Approval  
 Source: Huawei, HiSilicon*

**Decision:** The document was **not treated**.

[**R4-2302250**](file:///D:\RAN4%23106\Docs\R4-2302250.zip) **Further views on multi-Rx chain DL reception in FR2**

*Type: other For: Approval  
 Source: Sony, Ericsson*

**Decision:** The document was **not treated**.

##### 9.8.2.1 System parameter assumption, UE architecture and conditions of UE RF requirements

[**R4-2300195**](file:///D:\RAN4%23106\Docs\R4-2300195.zip) **Discussion on System parameter assumption, UE architecture and conditions of UE RF requirements**

*Type: other For: Approval  
 Source: Nokia, Nokia Shanghai Bell*

**Abstract:**

This contribution provides Nokia’s further views on ‘System parameter assumption, UE architecture and conditions of UE RF requirements’ topic for defining the RF requirements for FR2-1 multi-Rx chain DL reception for reception from two directions for PC3

**Decision:** The document was **not treated**.

[**R4-2300267**](file:///D:\RAN4%23106\Docs\R4-2300267.zip) **System parameter and UE assumption for NR FR2 multi-Rx chain DL reception**

*Type: discussion For: Discussion  
 Source: Apple*

**Decision:** The document was **not treated**.

[**R4-2301233**](file:///D:\RAN4%23106\Docs\R4-2301233.zip) **Discussion on System parameter and UE architecture of UE RF requirements**

*Type: other For: Approval  
 Source: ZTE Corporation*

**Decision:** The document was **not treated**.

[**R4-2301461**](file:///D:\RAN4%23106\Docs\R4-2301461.zip) **On AoA separation range and value for RF requirement**

*Type: other For: Approval  
 Source: OPPO*

**Decision:** The document was **not treated**.

[**R4-2301572**](file:///D:\RAN4%23106\Docs\R4-2301572.zip) **Evaluation on UE requirement of multiRx DL reception**

*Type: other For: Approval  
 Source: vivo*

**Decision:** The document was **not treated**.

[**R4-2302522**](file:///D:\RAN4%23106\Docs\R4-2302522.zip) **System Parameter Assumptions for Multi-AoA Rx Testing**

*Type: other For: Approval  
 Source: Keysight Technologies UK Ltd*

**Decision:** The document was **not treated**.

##### 9.8.2.2 UE RF requirements

[**R4-2300146**](file:///D:\RAN4%23106\Docs\R4-2300146.zip) **Discussion for FR2 multi-Rx FOM**

*Type: discussion For: Discussion  
 Source: Murata Manufacturing Co Ltd.*

**Decision:** The document was **not treated**.

[**R4-2300196**](file:///D:\RAN4%23106\Docs\R4-2300196.zip) **Proposal on UE RF requirements for FR2-1 multi-Rx chain DL reception**

*Type: other For: Approval  
 Source: Nokia, Nokia Shanghai Bell*

**Abstract:**

This contribution provides a proposal on UE RF requirements for FR2-1 multi-Rx chain DL reception comparing to the legacy spherical coverage requirement for reception from a single direction for PC3 UE.

**Decision:** The document was **not treated**.

[**R4-2300268**](file:///D:\RAN4%23106\Docs\R4-2300268.zip) **RF requirement for NR FR2 multi-Rx chain DL reception**

*Type: discussion For: Discussion  
 Source: Apple*

**Decision:** The document was **not treated**.

[**R4-2300709**](file:///D:\RAN4%23106\Docs\R4-2300709.zip) **On UE RF requirements for 2AoA FR2 DL MIMO**

*Type: other For: Approval  
 Source: Qualcomm Incorporated*

**Abstract:**

Proposal on scan grid for UE requirement, proposal for requirement framework based on sim data

**Decision:** The document was **not treated**.

[**R4-2300949**](file:///D:\RAN4%23106\Docs\R4-2300949.zip) **Discussion on UE RF requirements for simultaneous DL reception**

*Type: discussion For: Discussion  
 Source: LG Electronics*

**Abstract:**

It discusses UE RF requirements for simultaneous DL reception with up to 4 layer MIMO.

**Decision:** The document was **not treated**.

[**R4-2300987**](file:///D:\RAN4%23106\Docs\R4-2300987.zip) **Discussion on FR2 Multi-RX DL UE RF requirements**

*Type: discussion For: Discussion  
 Source: Samsung*

**Decision:** The document was **not treated**.

[**R4-2301234**](file:///D:\RAN4%23106\Docs\R4-2301234.zip) **Discussion on UE RF requirements for simultaneous DL reception**

*Type: other For: Approval  
 Source: ZTE Corporation*

**Decision:** The document was **not treated**.

[**R4-2301573**](file:///D:\RAN4%23106\Docs\R4-2301573.zip) **Discussion on AoA separation for multiRx DL reception**

*Type: other For: Approval  
 Source: vivo*

**Decision:** The document was **not treated**.

[**R4-2301622**](file:///D:\RAN4%23106\Docs\R4-2301622.zip) **Discussion on UE RF requirements supporting simultaneous DL reception**

*Type: discussion For: Discussion  
 Source: Xiaomi*

**Decision:** The document was **not treated**.

#### 9.8.3 RRM core requirements for simultaneous DL reception from different directions

#### 9.8.4 Demodulation performance and CSI requirements

#### 9.8.5 Moderator summary and conclusions

**[106][131] FR2\_multiRx\_UERF\_part1, AI 9.8.2, 9.8.2.2 – Sumant Iyer (Qualcomm)**

[**R4-2302824**](file:///D:\RAN4%23106\Docs\R4-2302824.zip) **Topic summary for [106][131] FR2\_multiRx\_UERF\_part1**

*Type: other For: Information  
 Source: Moderator (Qualcomm)*

**Abstract:**

This contribution provides the summary of email discussion and recommended summary.

**Decision: Return to.**

**Discussions of issues and conclusions**

**[106][132] FR2\_multiRx\_UERF\_part2, AI 9.8.2.1 – Steven Chen (Apple)**

[**R4-2302825**](file:///D:\RAN4%23106\Docs\R4-2302825.zip) **Topic summary for [106][132] FR2\_multiRx\_UERF\_part2**

*Type: other For: Information  
 Source: Moderator (Apple)*

**Abstract:**

This contribution provides the summary of email discussion and recommended summary.

**Decision: Return to.**

**Discussions of issues and conclusions**

### 9.9 Even Further RRM enhancement for NR and MR-DC

### 9.10 Further enhancements on NR and MR-DC measurement gaps and measurements without gaps

### 9.11 Support of intra-band non-collocated EN-DC/NR-CA deployment

#### 9.11.1 General and work plan

**[133] Topic #1: LS to RAN2**

[**R4-2300245**](file:///D:\RAN4%23106\Docs\R4-2300245.zip) **LS on signaling support for intra-band non-collocated CA**

*Type: LS out For: Approval  
 to RAN2  
 Source: Apple*

**Decision:** The document was **not treated**.

#### 9.11.2 UE RF architecture and RF requirements

**[133] Topic #2: Type-2 NR-CA UE for 2 layer MIMO case (non-collocated non-contiguous intra-band)**

[**R4-2300246**](file:///D:\RAN4%23106\Docs\R4-2300246.zip) **Further discussion on type 3a/3b UE for intra-band non-collocated CA/EN-DC**

*Type: discussion For: Approval  
 Source: Apple*

**Decision:** The document was **not treated**.

[**R4-2300247**](file:///D:\RAN4%23106\Docs\R4-2300247.zip) **UE RF requirements for supporting intra-band non-collocated CA for 2MIMO layer case**

*Type: CR For: Agreement  
 38.101-1 v18.0.0 CR-1294 rev Cat: B (Rel-18)  
  
 Source: Apple, Samsung, KDDI, Huawei, ZTE*

**Decision:** The document was **not treated**.

**[133] Topic #3: Type 3a/3b UE for 4 layer MIMO case (non-collocated non-contiguous intra-band NR-CA and inter-band EN-DC)**

[**R4-2300133**](file:///D:\RAN4%23106\Docs\R4-2300133.zip) **Discussion on non-collocated Type 3**

*Type: discussion For: Discussion  
 Source: KDDI Corporation, LG Uplus*

**Decision:** The document was **not treated**.

[**R4-2300852**](file:///D:\RAN4%23106\Docs\R4-2300852.zip) **Issues for Non-collocated Deployments with 4Layers per CC**

*Type: discussion For: Discussion  
 Source: Qualcomm Incorporated*

**Decision:** The document was **not treated**.

[**R4-2301108**](file:///D:\RAN4%23106\Docs\R4-2301108.zip) **Views on non-collocated Type-3 Type-4 UE**

*Type: discussion For: Discussion  
 Source: Samsung*

**Decision:** The document was **not treated**.

[**R4-2301236**](file:///D:\RAN4%23106\Docs\R4-2301236.zip) **Discussion on UE RF of non-collocated EN-DC and NR-CA**

*Type: other For: Approval  
 Source: ZTE Corporation*

**Decision:** The document was **not treated**.

[**R4-2301576**](file:///D:\RAN4%23106\Docs\R4-2301576.zip) **Discussion on Type 3 UE to support non-collocated deployment**

*Type: other For: Approval  
 Source: vivo*

**Decision:** The document was **not treated**.

[**R4-2301711**](file:///D:\RAN4%23106\Docs\R4-2301711.zip) **Discussion on intra-band non-co-located**

*Type: discussion For: Approval  
 38.101-1 v CR- rev Cat: (Rel-18)  
  
 Source: MediaTek Inc.*

**Decision:** The document was **not treated**.

[**R4-2301901**](file:///D:\RAN4%23106\Docs\R4-2301901.zip) **On UE architectures**

*Type: other For: Approval  
 Source: Ericsson*

**Abstract:**

UE type 3

**Decision:** The document was **not treated**.

[**R4-2302494**](file:///D:\RAN4%23106\Docs\R4-2302494.zip) **Power Imbalance and MRTD in Case of Non-Collocated Intra-Band NC CA**

*Type: discussion For: Discussion  
 Source: Huawei Technologies France*

**Decision:** The document was **not treated**.

**[133] Topic #4: Type 4a/4b UE for 4 layer MIMO case (non-collocated non-contiguous intra-band NR-CA and inter-band EN-DC)**

[**R4-2300426**](file:///D:\RAN4%23106\Docs\R4-2300426.zip) **Intra-band non-collocated EN-DC/NR-CA type 4 UE**

*Type: other For: Approval  
 Source: Nokia*

**Decision:** The document was **not treated**.

#### 9.11.3 RRM Core requirements

#### 9.11.4 Moderator summary and conclusions

**[106][133] NonCol\_intraB, AI 9.11.1, 9.11.2 – Yasuki Suzuki (KDDI)**

[**R4-2302826**](file:///D:\RAN4%23106\Docs\R4-2302826.zip) **Topic summary for [106][133] NonCol\_intraB**

*Type: other For: Information  
 Source: Moderator (KDDI)*

**Abstract:**

This contribution provides the summary of email discussion and recommended summary.

**Decision: Return to.**

**Discussions of issues and conclusions**

### 9.12 Enhanced NR support for high speed train scenario in frequency range 2

#### 9.12.1 General and work plan

#### 9.12.2 RF requirements for intra-band carrier aggregation (CA) scenario

[**R4-2301678**](file:///D:\RAN4%23106\Docs\R4-2301678.zip) **RF requirements for intra-band carrier aggregation (CA) scenario**

*Type: other For: Approval  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **not treated**.

#### 9.12.3 RF requirement for simultaneous multi-panel operation for train roof-mounted FR2 high power devices

[**R4-2300998**](file:///D:\RAN4%23106\Docs\R4-2300998.zip) **Discussion on feasibility and requirements for simultaneous multi-panel operation for FR2 HST**

*Type: discussion For: Discussion  
 Source: Samsung*

**Decision:** The document was **not treated**.

[**R4-2301581**](file:///D:\RAN4%23106\Docs\R4-2301581.zip) **On Multi-panel RF requirements for NR FR2 HST enhancement**

*Type: discussion For: Discussion  
 Source: Huawei, HiSilicon*

**Decision:** The document was **not treated**.

[**R4-2301679**](file:///D:\RAN4%23106\Docs\R4-2301679.zip) **RF requirement for simultaneous multi-panel operation for train roof-mounted FR2 high power devices**

*Type: other For: Approval  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **not treated**.

#### 9.12.4 Study on reference tunnel deployment scenario

#### 9.12.5 RRM core requirements

#### 9.12.6 Moderator summary and conclusions

**[106][134] NR\_HST\_FR2\_enh\_UERF, AI 9.12, 9.12.2, 9.12.3 – Bozhi Li (Samsung)**

[**R4-2302827**](file:///D:\RAN4%23106\Docs\R4-2302827.zip) **Topic summary for [106][134] NR\_HST\_FR2\_enh\_UERF**

*Type: other For: Information  
 Source: Moderator (Samsung)*

**Abstract:**

This contribution provides the summary of email discussion and recommended summary.

**Decision: Return to.**

**Discussions of issues and conclusions**

### 9.13 Air-to-ground network for NR

**[135] Topic #1: TR 38.876**

TR

[**R4-2301861**](file:///D:\RAN4%23106\Docs\R4-2301861.zip) **TR 38.876 ATG v0.2.0**

*Type: draft TR For: (not specified)  
 38.876 v0.2.0 CR- rev Cat: (Rel-18)  
  
 Source: CMCC.*

**Decision:** The document was **not treated**.

#### 9.13.1 FR1 co-existence evaluation for ATG network

##### 9.13.1.1 General aspects

##### 9.13.1.2 Co-existence scenario and network layout

**[135] Topic #2: Co-existence scenario and network layout**

[**R4-2300293**](file:///D:\RAN4%23106\Docs\R4-2300293.zip) **On the ATG co-existence deployment and network layout**

*Type: discussion For: Approval  
 Source: Qualcomm CDMA Technologies*

**Decision:** The document was **not treated**.

[**R4-2300788**](file:///D:\RAN4%23106\Docs\R4-2300788.zip) **ATG co-existence simulation scenarios and layout**

*Type: discussion For: Discussion  
 Source: CMCC*

**Decision:** The document was **not treated**.

[**R4-2301876**](file:///D:\RAN4%23106\Docs\R4-2301876.zip) **ATG co-existence simulation assumptions refinement**

*Type: discussion For: Discussion  
 Source: Ericsson*

**Abstract:**

Discussion on refining some simulation assumptions

**Decision:** The document was **not treated**.

[**R4-2301874**](file:///D:\RAN4%23106\Docs\R4-2301874.zip) **On asynchronous operation and CLI for ATG**

*Type: discussion For: Discussion  
 Source: Ericsson*

**Abstract:**

Discussion on TDD and CLI issues

**Decision:** The document was **not treated**.

TP

[**R4-2302096**](file:///D:\RAN4%23106\Docs\R4-2302096.zip) **TP for TR 38.876 to add some coexistence assumption and methodology**

*Type: pCR For: Approval  
 38.876 v0.2.0 CR- rev Cat: (Rel-18)  
  
 Source: Huawei, HiSilicon*

**Decision:** The document was **not treated**.

[**R4-2300805**](file:///D:\RAN4%23106\Docs\R4-2300805.zip) **TP for TR 38.876 to capture system parameter assumption**

*Type: other For: Approval  
 Source: CMCC*

**Decision:** The document was **not treated**.

##### 9.13.1.3 Co-existence system parameters and modeling

**[135] Topic #3: Co-existence system parameters and modeling**

[**R4-2300508**](file:///D:\RAN4%23106\Docs\R4-2300508.zip) **On the ATG co-existence parameters and modeling**

*Type: discussion For: Discussion  
 Source: Qualcomm CDMA Technologies*

**Decision:** The document was **not treated**.

[**R4-2300789**](file:///D:\RAN4%23106\Docs\R4-2300789.zip) **ATG co-existence simulation assumption**

*Type: discussion For: Discussion  
 Source: CMCC*

**Decision:** The document was **not treated**.

[**R4-2301730**](file:///D:\RAN4%23106\Docs\R4-2301730.zip) **Further discussion on system parameters and modeling**

*Type: discussion For: Approval  
 Source: ZTE Corporation*

**Decision:** The document was **not treated**.

[**R4-2301880**](file:///D:\RAN4%23106\Docs\R4-2301880.zip) **Calibration results**

*Type: other For: Information  
 Source: Ericsson*

**Abstract:**

Results for calibration

**Decision:** The document was **not treated**.

TP

[**R4-2301877**](file:///D:\RAN4%23106\Docs\R4-2301877.zip) **TP to TR 38.876: Update of simulation assumptions**

*Type: pCR For: Approval  
 38.876 v0.1.0 CR- rev Cat: (Rel-18)  
  
 Source: Ericsson*

**Abstract:**

TP to TR to update and correct some assumptions

**Decision:** The document was **not treated**.

##### 9.13.1.4 Co-existence simulation results

**[135] Topic #3: Simulation results**

[**R4-2300556**](file:///D:\RAN4%23106\Docs\R4-2300556.zip) **ATG co-existence simulation results**

*Type: discussion For: Discussion  
 Source: CATT*

**Decision:** The document was **not treated**.

[**R4-2300790**](file:///D:\RAN4%23106\Docs\R4-2300790.zip) **ATG co-existence calibration data**

*Type: discussion For: Discussion  
 Source: CMCC*

**Decision:** The document was **not treated**.

[**R4-2301731**](file:///D:\RAN4%23106\Docs\R4-2301731.zip) **Initial simulation results for ATG coexistence study**

*Type: discussion For: Discussion  
 Source: ZTE Corporation*

**Decision:** The document was **not treated**.

[**R4-2302091**](file:///D:\RAN4%23106\Docs\R4-2302091.zip) **Discussion on initial simulation result for ATG scenario**

*Type: other For: Approval  
 Source: Huawei, HiSilicon*

**Decision:** The document was **not treated**.

#### 9.13.2 UE RF requirements

##### 9.13.2.1 General aspects

**[136] Topic #1: ATG UE general aspects and Tx RF requirements**

[**R4-2300081**](file:///D:\RAN4%23106\Docs\R4-2300081.zip) **Discussion on general aspects for ATG UE RF**

*Type: other For: Approval  
 Source: Qualcomm Incorporated*

**Decision:** The document was **not treated**.

##### 9.13.2.2 Tx requirements

**[136] Topic #1: ATG UE general aspects and Tx RF requirements**

[**R4-2300082**](file:///D:\RAN4%23106\Docs\R4-2300082.zip) **Discussion on Tx requirements for ATG UE RF**

*Type: other For: Approval  
 Source: Qualcomm Incorporated*

**Decision:** The document was **not treated**.

[**R4-2300806**](file:///D:\RAN4%23106\Docs\R4-2300806.zip) **Discussion on ATG UE Tx requirements**

*Type: discussion For: Discussion  
 Source: CMCC*

**Decision:** The document was **not treated**.

[**R4-2301727**](file:///D:\RAN4%23106\Docs\R4-2301727.zip) **Further discussion on ATG UE Tx RF requirements**

*Type: discussion For: Approval  
 Source: ZTE Corporation*

**Decision:** The document was **not treated**.

[**R4-2301878**](file:///D:\RAN4%23106\Docs\R4-2301878.zip) **ATG UE TX requirements**

*Type: discussion For: Discussion  
 Source: Ericsson*

**Abstract:**

Discussion on UE TX requirements

**Decision:** The document was **not treated**.

[**R4-2302092**](file:///D:\RAN4%23106\Docs\R4-2302092.zip) **Discussion on ATG UE Tx requirements**

*Type: other For: Approval  
 Source: Huawei, HiSilicon*

**Decision:** The document was **not treated**.

[**R4-2302477**](file:///D:\RAN4%23106\Docs\R4-2302477.zip) **On open issue for ATG UE requirements**

*Type: discussion For: Discussion  
 Source: Apple*

**Decision:** The document was **not treated**.

TP

[**R4-2302093**](file:///D:\RAN4%23106\Docs\R4-2302093.zip) **TP for TR 38.876 to introduce ATG UE Tx requirements**

*Type: pCR For: Approval  
 38.876 v0.2.0 CR- rev Cat: (Rel-18)  
  
 Source: Huawei, HiSilicon*

**Decision:** The document was **not treated**.

[**R4-2302478**](file:///D:\RAN4%23106\Docs\R4-2302478.zip) **TP to TR 38.876: on ATG Tx requirements**

*Type: pCR For: Approval  
 38.876 v0.1.0 CR- rev Cat: (Rel-18)  
  
 Source: Apple*

**Decision:** The document was **not treated**.

##### 9.13.2.3 Rx requirements

**[136] Topic #2: ATG UE Rx RF requirements**

[**R4-2300083**](file:///D:\RAN4%23106\Docs\R4-2300083.zip) **Discussion on Rx requirements for ATG UE RF**

*Type: other For: Approval  
 Source: Qualcomm Incorporated*

**Decision:** The document was **not treated**.

[**R4-2300807**](file:///D:\RAN4%23106\Docs\R4-2300807.zip) **Discussion on ATG UE Rx requirements**

*Type: discussion For: Discussion  
 Source: CMCC*

**Decision:** The document was **not treated**.

[**R4-2301879**](file:///D:\RAN4%23106\Docs\R4-2301879.zip) **ATG UE RX requirements**

*Type: discussion For: Discussion  
 Source: Ericsson*

**Abstract:**

Discussion on UE RX requirements

**Decision:** The document was **not treated**.

[**R4-2302094**](file:///D:\RAN4%23106\Docs\R4-2302094.zip) **Discussion on ATG UE Rx requirements**

*Type: other For: Approval  
 Source: Huawei, HiSilicon*

**Decision:** The document was **not treated**.

[**R4-2301728**](file:///D:\RAN4%23106\Docs\R4-2301728.zip) **Further discussion on ATG UE Rx RF requirements**

*Type: discussion For: Approval  
 Source: ZTE Corporation*

**Decision:** The document was **not treated**.

TP

[**R4-2302095**](file:///D:\RAN4%23106\Docs\R4-2302095.zip) **TP for TR 38.876 to introduce technical analysis for ATG UE Rx requirements.**

*Type: pCR For: Approval  
 38.876 v0.2.0 CR- rev Cat: (Rel-18)  
  
 Source: Huawei, HiSilicon*

**Decision:** The document was **not treated**.

#### 9.13.3 BS RF requirements

#### 9.13.4 RRM core requirements

#### 9.13.5 Demodulation performance requirements

#### 9.13.6 Moderator summary and conclusions

**[106][135] NR\_ATG\_UERF\_part1, AI 9.13, 9.13.1 – Chunxia Guo (CMCC)**

[**R4-2302828**](file:///D:\RAN4%23106\Docs\R4-2302828.zip) **Topic summary for [106][135] NR\_ATG\_UERF\_part1**

*Type: other For: Information  
 Source: Moderator (CMCC)*

**Abstract:**

This contribution provides the summary of email discussion and recommended summary.

**Decision: Return to.**

**Discussions of issues and conclusions**

**[106][136] NR\_ATG\_UERF\_part2, AI 9.13.2 – Peng(Henry) Zhang (Huawei)**

[**R4-2302829**](file:///D:\RAN4%23106\Docs\R4-2302829.zip) **Topic summary for [106][136] NR\_ATG\_UERF\_part2**

*Type: other For: Information  
 Source: Moderator (Huawei)*

**Abstract:**

This contribution provides the summary of email discussion and recommended summary.

**Decision: Return to.**

**Discussions of issues and conclusions**

### 9.14 NR support for dedicated spectrum less than 5MHz for FR1

#### 9.14.1 General and work plan

**[137] Topic #1: General and work plan**

[**R4-2300197**](file:///D:\RAN4%23106\Docs\R4-2300197.zip) **Work plan for NR support for dedicated spectrum less than 5MHz for FR1**

*Type: other For: Approval  
 Source: Nokia, Nokia Shanghai Bell*

**Abstract:**

This contribution provides a RAN4 work plan for this WI to complete the core and performance parts as targeted at TSG RAN#102 and RAN#104, respectively

**Decision:** The document was **not treated**.

LS

[**R4-2300378**](file:///D:\RAN4%23106\Docs\R4-2300378.zip) **Draft LS on NR support for dedicated spectrum less than 5MHz for FR1**

*Type: LS out For: Approval  
 to RAN1  
 Source: Apple*

**Decision:** The document was **not treated**.

[**R4-2301221**](file:///D:\RAN4%23106\Docs\R4-2301221.zip) **response R1-2212919 LS to RAN4 on sub 5MHz**

*Type: LS out For: Approval  
 to RAN1  
 Source: ZTE Corporation*

**Decision:** The document was **not treated**.

[**R4-2301484**](file:///D:\RAN4%23106\Docs\R4-2301484.zip) **Spectrum les than 5 MHz - LS reply to RAN1**

*Type: LS out For: Approval  
 to RAN WG1  
 Source: Ericsson*

**Abstract:**

This contribution is a LS reply to R1-2212919

**Decision:** The document was **not treated**.

[**R4-2301575**](file:///D:\RAN4%23106\Docs\R4-2301575.zip) **draft reply LS on NR support for dedicated spectrum less than 5MHz for FR1**

*Type: LS out For: Approval  
 to RAN1  
 Source: vivo*

**Decision:** The document was **not treated**.

[**R4-2301611**](file:///D:\RAN4%23106\Docs\R4-2301611.zip) **Draft LS on NR support for dedicated spectrum less than 5MHz for FR1**

*Type: LS out For: Approval  
 to RAN1  
 Source: MediaTek Inc.*

**Decision:** The document was **not treated**.

#### 9.14.2 System parameters

**[137] Topic #2: System parameters**

[**R4-2300203**](file:///D:\RAN4%23106\Docs\R4-2300203.zip) **System parameters of NR support for dedicated spectrum less than 5MHz for FR1**

*Type: other For: Approval  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **not treated**.

[**R4-2300291**](file:///D:\RAN4%23106\Docs\R4-2300291.zip) **On NR Synchronization Raster for Dedicated Spectrum less than 5MHz**

*Type: discussion For: Discussion  
 38.101-1 v CR- rev Cat: (Rel-18)  
  
 Source: Apple*

**Decision:** The document was **not treated**.

[**R4-2301222**](file:///D:\RAN4%23106\Docs\R4-2301222.zip) **Discussion on system parameters for dedicated spectrum less than 5MHz for FR1**

*Type: other For: Approval  
 Source: ZTE Corporation*

**Decision:** The document was **not treated**.

[**R4-2301483**](file:///D:\RAN4%23106\Docs\R4-2301483.zip) **Spectrum les than 5 MHz - System Parameters**

*Type: other For: Approval  
 Source: Ericsson*

**Abstract:**

This contribution discusses the system parameters impacts when introducing new channel bandwidth less than 5 MHz

**Decision:** The document was **not treated**.

[**R4-2301574**](file:///D:\RAN4%23106\Docs\R4-2301574.zip) **Discussion on system parameter of less than 5MHz for FR1**

*Type: other For: Approval  
 Source: vivo*

**Decision:** The document was **not treated**.

[**R4-2302514**](file:///D:\RAN4%23106\Docs\R4-2302514.zip) **Introduction of Channel BW Smaller Than 5 MHz in NR**

*Type: discussion For: Discussion  
 Source: Huawei Technologies France*

**Decision:** The document was **not treated**.

[**R4-2302727**](file:///D:\RAN4%23106\Docs\R4-2302727.zip) **Analysis of GB, Channel Size and Sync Raster for potential new 3MHz channel BW for NR FR1 less than 5MHz BW**

*Type: discussion For: Discussion  
 Source: Intel Corporation*

**Decision:** The document was **not treated**.

LS

[**R4-2302273**](file:///D:\RAN4%23106\Docs\R4-2302273.zip) **LS out: System parameters and spectrum utilization for dedicated spectrum**

*Type: other For: Approval  
 Source: Qualcomm Inc.*

**Decision:** The document was **not treated**.

#### 9.14.3 UE RF requirements

**[137] Topic #3: UE RF requirements**

[**R4-2300375**](file:///D:\RAN4%23106\Docs\R4-2300375.zip) **UE Requirements for less than 5MHz NR channels**

*Type: discussion For: Approval  
 Source: Apple*

**Decision:** The document was **not treated**.

[**R4-2300427**](file:///D:\RAN4%23106\Docs\R4-2300427.zip) **A-MPR analysis for dedicated spectrum less than 5MHz for FR1**

*Type: discussion For: Discussion  
 Source: Nokia*

**Decision:** The document was **not treated**.

[**R4-2300428**](file:///D:\RAN4%23106\Docs\R4-2300428.zip) **UE RF specification impact due to dedicated spectrum less than 5MHz for FR1**

*Type: other For: Approval  
 Source: Nokia*

**Decision:** The document was **not treated**.

[**R4-2301223**](file:///D:\RAN4%23106\Docs\R4-2301223.zip) **Discussion on UE RF for dedicated spectrum less than 5MHz for FR1**

*Type: other For: Approval  
 Source: ZTE Corporation*

**Decision:** The document was **not treated**.

[**R4-2301486**](file:///D:\RAN4%23106\Docs\R4-2301486.zip) **Spectrum les than 5 MHz - UE RF requirements**

*Type: other For: Approval  
 Source: Ericsson*

**Abstract:**

This contribution discusses the UE RF requirements impacts when introducing new channel bandwidth less than 5 MHz

**Decision:** The document was **not treated**.

[**R4-2302274**](file:///D:\RAN4%23106\Docs\R4-2302274.zip) **RF requirements for dedicated spectrum**

*Type: other For: Approval  
 Source: Qualcomm Inc.*

**Decision:** The document was **not treated**.

#### 9.14.4 BS RF requirements

#### 9.14.5 RRM requirements

#### 9.14.6 Moderator summary and conclusions

**[106][137] NR\_FR1\_lessthan\_5MHz\_BW, AI 9.14, 9.14.1, 9.14.2, 9.14.3 – Man Hung Ng (Nokia)**

[**R4-2302830**](file:///D:\RAN4%23106\Docs\R4-2302830.zip) **Topic summary for [106][137] NR\_FR1\_lessthan\_5MHz\_BW**

*Type: other For: Information  
 Source: Moderator (Nokia)*

**Abstract:**

This contribution provides the summary of email discussion and recommended summary.

**Decision: Revised to** [**R4-2303779**](file:///D:\RAN4%23106\Docs\R4-2303779.zip) **(from** [**R4-2302830**](file:///D:\RAN4%23106\Docs\R4-2302830.zip)**).**

[**R4-2303779**](file:///D:\RAN4%23106\Docs\R4-2303779.zip) **Topic summary for [106][137] NR\_FR1\_lessthan\_5MHz\_BW**

*Type: other For: Information  
 Source: Moderator (Nokia)*

**Abstract:**

This contribution provides the summary of email discussion and recommended summary.

**Decision: Return to.**

**Discussions of issues and conclusions**

### 9.15 Enhancement of TRP and TRS requirements and test methodologies

### 9.16 Enhancement of Multiple Input Multiple Output Over-the-Air test methodology and requirements for NR UEs

### 9.17 BS and UE EMC enhancements

### 9.18 NR demodulation performance evolution

### 9.19 Study on evolution of NR duplex operation

### 9.20 Study on low-power wake-up signal and receiver for NR

#### 9.20.1 General and work plan

**[138] Topic #1: General and Workplan**

[**R4-2301565**](file:///D:\RAN4%23106\Docs\R4-2301565.zip) **Workplan for Rel-18 low-power WUS/WUR RF**

*Type: other For: Approval  
 Source: vivo*

**Decision:** The document was **not treated**.

**[138] Topic #2: LP-WUR architectures**

LS

[**R4-2301568**](file:///D:\RAN4%23106\Docs\R4-2301568.zip) **draft reply LS to RAN1 on low-power wake-up receiver architectures**

*Type: LS out For: Approval  
 to RAN1  
 Source: vivo*

**Decision:** The document was **not treated**.

[**R4-2302375**](file:///D:\RAN4%23106\Docs\R4-2302375.zip) **draft reply LS on LP-WUR architecture**

*Type: LS out For: Approval  
 to RAN1  
 Source: Huawei, HiSilicon*

**Decision:** The document was **not treated**.

[**R4-2302428**](file:///D:\RAN4%23106\Docs\R4-2302428.zip) **LS reply on low-power wake-up receiver architectures**

*Type: other For: Approval  
 Source: Ericsson*

**Abstract:**

In this contribution, we present our view on LS question in RAN1 [1].

**Decision:** The document was **not treated**.

#### 9.20.2 Evaluation of Low power wake-up receiver architectures

**[138] Topic #2: LP-WUR architectures**

[**R4-2300499**](file:///D:\RAN4%23106\Docs\R4-2300499.zip) **Evaluation of Low power wake-up receiver architectures**

*Type: other For: Approval  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **not treated**.

[**R4-2301104**](file:///D:\RAN4%23106\Docs\R4-2301104.zip) **Views on LP-WUR architectures**

*Type: discussion For: Discussion  
 Source: Samsung*

**Decision:** The document was **not treated**.

[**R4-2301252**](file:///D:\RAN4%23106\Docs\R4-2301252.zip) **Discussion on LP-WUR architecture**

*Type: other For: Approval  
 Source: ZTE Corporation*

**Decision:** The document was **not treated**.

[**R4-2301566**](file:///D:\RAN4%23106\Docs\R4-2301566.zip) **Discussions on low-power Wave-up Receiver architectures**

*Type: other For: Approval  
 Source: vivo*

**Decision:** The document was **not treated**.

[**R4-2301623**](file:///D:\RAN4%23106\Docs\R4-2301623.zip) **Discussion on LP-WUS receiver architectures**

*Type: discussion For: Discussion  
 Source: Xiaomi*

**Decision:** The document was **not treated**.

[**R4-2302276**](file:///D:\RAN4%23106\Docs\R4-2302276.zip) **Low-power wake-up receiver RF aspects**

*Type: other For: Approval  
 Source: Qualcomm Inc.*

**Decision:** The document was **not treated**.

[**R4-2302374**](file:///D:\RAN4%23106\Docs\R4-2302374.zip) **On study of LP-WUR**

*Type: other For: Approval  
 Source: Huawei, HiSilicon*

**Decision:** The document was **not treated**.

[**R4-2302430**](file:///D:\RAN4%23106\Docs\R4-2302430.zip) **Evaluation of Low power wake-up receiver architectures**

*Type: other For: Approval  
 Source: Ericsson*

**Abstract:**

In this contribution, we present our view on wake-up receiver architectures in RAN1 [1].

**Decision:** The document was **not treated**.

[**R4-2300355**](file:///D:\RAN4%23106\Docs\R4-2300355.zip) **On RF aspects related to the LP WUR study**

*Type: discussion For: Discussion  
 Source: Apple*

**Decision:** The document was **not treated**.

[**R4-2300456**](file:///D:\RAN4%23106\Docs\R4-2300456.zip) **Discussion paper on low-power wake-up receiver architectures**

*Type: other For: Approval  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **not treated**.

#### 9.20.3 Evaluation of wake-up signal designs

**[138] Topic #3: LP-WUS designs**

[**R4-2300501**](file:///D:\RAN4%23106\Docs\R4-2300501.zip) **Evaluation of wake-up signal designs**

*Type: other For: Approval  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **not treated**.

[**R4-2301567**](file:///D:\RAN4%23106\Docs\R4-2301567.zip) **Discussions on low-power Wave-up Signal designs**

*Type: other For: Approval  
 Source: vivo*

**Decision:** The document was **not treated**.

[**R4-2302429**](file:///D:\RAN4%23106\Docs\R4-2302429.zip) **Evaluation of wake-up signal designs**

*Type: other For: Approval  
 Source: Ericsson*

**Abstract:**

In this contribution, we present our view on wake-up signal design based on RAN1 LS[1].

**Decision:** The document was **not treated**.

#### 9.20.4 Moderator summary and conclusions

**[106][138] FS\_NR\_LPWUS, AI 9.20 – Ruixin Wang (Vivo)**

[**R4-2302831**](file:///D:\RAN4%23106\Docs\R4-2302831.zip) **Topic summary for [106][138] FS\_NR\_LPWUS**

*Type: other For: Information  
 Source: Moderator (Vivo)*

**Abstract:**

This contribution provides the summary of email discussion and recommended summary.

**Decision: Return to.**

**Discussions of issues and conclusions**

### 9.21 Expanded and improved NR positioning

#### 9.21.1 General and work plan

**[139] Topic #1: General aspects and work plan**

[**R4-2300496**](file:///D:\RAN4%23106\Docs\R4-2300496.zip) **Work plan for core requirements of the Rel-18 Expanded and Improved NR Positioning WI**

*Type: Work Plan For: Approval  
 Source: Intel Corporation, Ericsson, CATT*

**Decision:** The document was **not treated**.

[**R4-2301852**](file:///D:\RAN4%23106\Docs\R4-2301852.zip) **General aspects for Rel-18 NR positioning**

*Type: discussion For: Discussion  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **not treated**.

[**R4-2302380**](file:///D:\RAN4%23106\Docs\R4-2302380.zip) **On UE RF work for NR Positioning**

*Type: other For: Approval  
 Source: Huawei, HiSilicon*

**Decision:** The document was **not treated**.

#### 9.21.2 UE RF requirements

**[139] Topic #2: UE RF requirements**

[**R4-2300492**](file:///D:\RAN4%23106\Docs\R4-2300492.zip) **Expanded and Improved NR Positioning WI - RF scope**

*Type: discussion For: Discussion  
 Source: Intel Corporation*

**Decision:** The document was **not treated**.

[**R4-2300589**](file:///D:\RAN4%23106\Docs\R4-2300589.zip) **Discussion on UE RF impact of expanded and improved NR positioning**

*Type: discussion For: Discussion  
 Source: CATT*

**Decision:** The document was **withdrawn**.

[**R4-2301732**](file:///D:\RAN4%23106\Docs\R4-2301732.zip) **Discussion on RF requirements for CA based positioning**

*Type: discussion For: Approval  
 Source: ZTE Corporation*

**Decision:** The document was **not treated**.

[**R4-2301853**](file:///D:\RAN4%23106\Docs\R4-2301853.zip) **UE RF requirements for Rel-18 NR positioning**

*Type: discussion For: Discussion  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **not treated**.

[**R4-2301854**](file:///D:\RAN4%23106\Docs\R4-2301854.zip) **Initial simulation results for DL NR carrier phase positioning**

*Type: other For: Information  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **not treated**.

[**R4-2302425**](file:///D:\RAN4%23106\Docs\R4-2302425.zip) **RF spec impact for RedCap UE positioning**

*Type: other For: Approval  
 Source: Ericsson*

**Abstract:**

In this contribution, we present our view on the potential RF spec impact For RedCap position scheme in Rel-18[1].

**Decision:** The document was **not treated**.

#### 9.21.3 RRM core requirements

#### 9.21.4 Moderator summary and conclusions

**[106][139] FS\_NR\_pos\_UERF, AI 9.21, 9.21.1, 9.21.2 – Aida L Vera Lopez (Intel)**

[**R4-2302832**](file:///D:\RAN4%23106\Docs\R4-2302832.zip) **Topic summary for [106][139] FS\_NR\_pos\_UERF**

*Type: other For: Information  
 Source: Moderator (Intel)*

**Abstract:**

This contribution provides the summary of email discussion and recommended summary.

**Decision: Return to.**

**Discussions of issues and conclusions**

### 9.22 Multi-carrier enhancements for NR

#### 9.22.1 General and work plan

#### 9.22.2 Switching time and other RF aspects up to 3 or 4 bands

##### 9.22.2.1 UL Tx switching with single TAG

**[140] Topic #1: Tx switching across 3/4 bands with single TAG**

[**R4-2300163**](file:///D:\RAN4%23106\Docs\R4-2300163.zip) **UL Tx switching across 3/4 bands with single TAG**

*Type: discussion For: Discussion  
 Source: China Telecom*

**Decision:** The document was **not treated**.

[**R4-2300365**](file:///D:\RAN4%23106\Docs\R4-2300365.zip) **Rel-18 Further Discussions on the UE UL TX Switching for 3 or 4 bands**

*Type: discussion For: Discussion  
 Source: Apple*

**Decision:** The document was **not treated**.

[**R4-2300817**](file:///D:\RAN4%23106\Docs\R4-2300817.zip) **UL Tx switching with single TAG**

*Type: other For: Discussion  
 Source: CMCC*

**Decision:** The document was **not treated**.

[**R4-2300822**](file:///D:\RAN4%23106\Docs\R4-2300822.zip) **UE switching time in more complicated scenarios**

*Type: other For: Approval  
 Source: Qualcomm Incorporated*

**Decision:** The document was **not treated**.

[**R4-2301177**](file:///D:\RAN4%23106\Docs\R4-2301177.zip) **R18 Discussion on Tx switching with single TAG**

*Type: other For: Approval  
 Source: OPPO*

**Decision:** The document was **not treated**.

[**R4-2301254**](file:///D:\RAN4%23106\Docs\R4-2301254.zip) **Further discussion on Tx switching across 3 or 4 bands for single TAG**

*Type: other For: Approval  
 Source: ZTE Corporation*

**Decision:** The document was **not treated**.

[**R4-2301541**](file:///D:\RAN4%23106\Docs\R4-2301541.zip) **Discussion on RF aspects of UL Tx switching with single TAG**

*Type: other For: Approval  
 Source: vivo*

**Decision:** The document was **not treated**.

[**R4-2301616**](file:///D:\RAN4%23106\Docs\R4-2301616.zip) **Discussion on UL Tx switching with single TAG**

*Type: discussion For: Approval  
 Source: Xiaomi*

**Decision:** The document was **not treated**.

[**R4-2301713**](file:///D:\RAN4%23106\Docs\R4-2301713.zip) **Discussion on multi-carrier enhancement for single-TAG Tx switching**

*Type: discussion For: Approval  
 38.101-1 v CR- rev Cat: (Rel-18)  
  
 Source: MediaTek Inc.*

**Decision:** The document was **not treated**.

[**R4-2302048**](file:///D:\RAN4%23106\Docs\R4-2302048.zip) **Discussion on Multi-carrier enhancements with single TAG**

*Type: other For: Approval  
 38.101-1 v CR- rev Cat: (Rel-18)  
  
 Source: Huawei, HiSilicon*

**Decision:** The document was **not treated**.

[**R4-2302348**](file:///D:\RAN4%23106\Docs\R4-2302348.zip) **Granularity of advanced UE feature capability for Rel-18 Tx switching**

*Type: other For: Approval  
 Source: NTT DOCOMO INC.*

**Decision:** The document was **not treated**.

[**R4-2302751**](file:///D:\RAN4%23106\Docs\R4-2302751.zip) **UE ON-OFF time masks for non-equal switching time cases**

*Type: other For: Approval  
 Source: Qualcomm Incorporated*

**Decision:** The document was **not treated**.

Draft CR

[**R4-2300164**](file:///D:\RAN4%23106\Docs\R4-2300164.zip) **CR for 38.101-1: Time mask for switching across three or four uplink bands**

*Type: CR For: Agreement  
 38.101-1 v18.0.0 CR-1285 rev Cat: B (Rel-18)  
  
 Source: China Telecom, NTT DOCOMO, Huawei, Hisilicon*

**Decision:** The document was **not treated**.

LS

[**R4-2301722**](file:///D:\RAN4%23106\Docs\R4-2301722.zip) **Draft LS on Rel-18 UL Tx switching**

*Type: LS out For: Approval  
 to RAN1, RAN2  
 Source: MediaTek Inc.*

**Decision:** The document was **not treated**.

##### 9.22.2.2 UL Tx switching with multiple TAGs

**[140] Topic #2: Tx switching with dual TAGs**

[**R4-2300751**](file:///D:\RAN4%23106\Docs\R4-2300751.zip) **Time masks, switching time location and DL interruptions for uplink TX switching with dual-TAG**

*Type: other For: Approval  
 Source: Ericsson*

**Abstract:**

In this contribution we discuss the outage time, DL interuptions and propose time masks for dual TAG

**Decision:** The document was **not treated**.

[**R4-2301253**](file:///D:\RAN4%23106\Docs\R4-2301253.zip) **Further discussion on Tx switching across 3 or 4 bands for multiple TAG**

*Type: other For: Approval  
 Source: ZTE Corporation*

**Decision:** The document was **not treated**.

[**R4-2301617**](file:///D:\RAN4%23106\Docs\R4-2301617.zip) **Discussion on UL Tx switching with multiple TAG**

*Type: discussion For: Approval  
 Source: Xiaomi*

**Decision:** The document was **not treated**.

[**R4-2301712**](file:///D:\RAN4%23106\Docs\R4-2301712.zip) **Discussion on multi-carrier enhancement for multi-TAG Tx switching**

*Type: discussion For: Approval  
 38.101-1 v CR- rev Cat: (Rel-18)  
  
 Source: MediaTek Inc.*

**Decision:** The document was **not treated**.

[**R4-2302049**](file:///D:\RAN4%23106\Docs\R4-2302049.zip) **Discussion on Multi-carrier enhancements with multiple TAG**

*Type: other For: Approval  
 38.101-1 v CR- rev Cat: (Rel-18)  
  
 Source: Huawei, HiSilicon*

**Decision:** The document was **not treated**.

Draft CR

[**R4-2300752**](file:///D:\RAN4%23106\Docs\R4-2300752.zip) **Introduction of ON/OFF time mask for TX switching across two bands with dual-TAG**

*Type: draftCR For: Endorsement  
 38.101-1 v18.0.0 CR- rev Cat: B (Rel-18)  
  
 Source: Ericsson*

**Abstract:**

Draft CR to introduce an ON/OFF time mask for TX switching across two bands with dual-TAG for conformance testing

**Decision:** The document was **not treated**.

[**R4-2302050**](file:///D:\RAN4%23106\Docs\R4-2302050.zip) **Draft CR for 38.101-1 to clarify the time mask for switching with multiple TAGs**

*Type: CR For: Agreement  
 38.101-1 v18.0.0 CR-1404 rev Cat: B (Rel-18)  
  
 Source: Huawei, HiSilicon, Xiaomi*

**Decision:** The document was **not treated**.

#### 9.22.3 RRM core requirements

#### 9.22.4 Moderator summary and conclusions

**[106][140] NR\_MC\_enh\_UERF , AI 9.22, 9.22.1, 9.22.2 – Shan Yang (China Telecom)**

[**R4-2302833**](file:///D:\RAN4%23106\Docs\R4-2302833.zip) **Topic summary for [106][140] NR\_MC\_enh\_UERF**

*Type: other For: Information  
 Source: Moderator (China Telecom)*

**Abstract:**

This contribution provides the summary of email discussion and recommended summary.

**Decision: Return to.**

**Discussions of issues and conclusions**

### 9.23 Further NR mobility enhancements

#### 9.23.1 General and work plan

[**R4-2300926**](file:///D:\RAN4%23106\Docs\R4-2300926.zip) **Upated work plan of R18 Further NR Mobility Enhancements**

*Type: Work Plan For: Approval  
 Source: MediaTek Inc., Apple*

**Decision:** The document was **not treated**.

#### 9.23.2 UE RF requirements

[**R4-2301587**](file:///D:\RAN4%23106\Docs\R4-2301587.zip) **UE RF requirements**

*Type: other For: Approval  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **not treated**.

[**R4-2301612**](file:///D:\RAN4%23106\Docs\R4-2301612.zip) **Discussion on RF requirement impacts for inter-frequency L1/L2-based mobility**

*Type: discussion For: Decision  
 Source: MediaTek Inc.*

**Decision:** The document was **not treated**.

#### 9.23.3 L1/L2 based inter-cell mobility

#### 9.23.4 NR-DC with selective activation of cell groups via L3 enhancements

#### 9.23.5 Improvement on SCell/SCG setup delay

#### 9.23.6 Enhanced CHO configurations

#### 9.23.7 Moderator summary and conclusions

**[106][141] NR\_Mob\_enh2\_UERF, AI 9.23, 9.23.1, 9.23.2 – Aijun Cao (Mediatek)**

[**R4-2302834**](file:///D:\RAN4%23106\Docs\R4-2302834.zip) **Topic summary for [106][141] NR\_Mob\_enh2\_UERF**

*Type: other For: Information  
 Source: Moderator (Mediatek)*

**Abstract:**

This contribution provides the summary of email discussion and recommended summary.

**Decision: Return to.**

**Discussions of issues and conclusions**

### 9.24 Dual Tx/Rx Multi-SIM for NR

### 9.25 NR NTN enhancement

#### 9.25.1 General and work plan

#### 9.25.2 Co-existence study for above 10GHz bands

#### 9.25.3 SAN RF requirements

#### 9.25.4 UE RF requirements

**[142] Topic #1: UE RF requirement**

[**R4-2301099**](file:///D:\RAN4%23106\Docs\R4-2301099.zip) **Discussion on UE RF for NTN above 10GHz bands**

*Type: other For: Approval  
 Source: Xiaomi*

**Decision:** The document was **not treated**.

[**R4-2301468**](file:///D:\RAN4%23106\Docs\R4-2301468.zip) **NTN enhancement: NTN UE RF requirements**

*Type: other For: Approval  
 Source: Ericsson*

**Abstract:**

This contribution discusses the NTN satellite UE RF requirements for NTN enhancements

**Decision:** The document was **not treated**.

[**R4-2301747**](file:///D:\RAN4%23106\Docs\R4-2301747.zip) **Further discussion on UE RF requirements for NTN in Ka-band**

*Type: discussion For: Approval  
 Source: ZTE Corporation*

**Decision:** The document was **not treated**.

[**R4-2302109**](file:///D:\RAN4%23106\Docs\R4-2302109.zip) **Discussion on Ka band NTN UE**

*Type: other For: Approval  
 Source: Huawei, HiSilicon*

**Decision:** The document was **not treated**.

[**R4-2302527**](file:///D:\RAN4%23106\Docs\R4-2302527.zip) **NTN UE Terminal Types for above 10 GHz**

*Type: discussion For: Discussion  
 Source: THALES, Inmarsat, Hispasat*

**Abstract:**

This contribution provides material for discussion with respect to NTN UE terminal types in above 10 GHz.

**Decision:** The document was **not treated**.

[**R4-2302714**](file:///D:\RAN4%23106\Docs\R4-2302714.zip) **Satellite broadband user equipment**

*Type: discussion For: Discussion  
 Source: HISPASAT, Hughes Network Systems, Thales, ESA, Eutelsat, Lockheed Martin, Intelsat, Inmarsat, Airbus*

**Decision:** The document was **not treated**.

#### 9.25.5 RRM core requirements

#### 9.25.6 Moderator summary and conclusions

**[106][142] NR\_NTN\_enh\_UERF, AI 9.25, 9.25.4, 6.1.3 – Fei Xue (ZTE)**

[**R4-2302835**](file:///D:\RAN4%23106\Docs\R4-2302835.zip) **Topic summary for [106][142] NR\_NTN\_enh\_UERF**

*Type: other For: Information  
 Source: Moderator (ZTE)*

**Abstract:**

This contribution provides the summary of email discussion and recommended summary.

**Decision: Return to.**

**Discussions of issues and conclusions**

### 9.26 Further NR coverage enhancements

#### 9.26.1 Enhancement of increasing UE power high limit for CA and DC

**[143] Topic #1: On the extension of Rel-17 increasing UE power high limit design for CA/DC**

[**R4-2300711**](file:///D:\RAN4%23106\Docs\R4-2300711.zip) **On UE signaling to enhance ULCA and DC**

*Type: other For: Approval  
 Source: Qualcomm Incorporated*

**Abstract:**

An essential component of any UL enhancement is the ability of a UE to deliver timely and actionable information about its UL power capability. This is crucial for situations where regulatory limits collide with UL demand. In this contribution we discuss

**Decision:** The document was **not treated**.

[**R4-2301101**](file:///D:\RAN4%23106\Docs\R4-2301101.zip) **Discussion on enhancement of increasing UE maximum power high limit**

*Type: other For: Approval  
 Source: Xiaomi*

**Decision:** The document was **not treated**.

[**R4-2301178**](file:///D:\RAN4%23106\Docs\R4-2301178.zip) **R18 increase UE power high limit for CA and DC**

*Type: other For: Approval  
 Source: OPPO*

**Decision:** The document was **not treated**.

[**R4-2301544**](file:///D:\RAN4%23106\Docs\R4-2301544.zip) **Further discussion on enhancement of increasing UE power high limit for CA and DC**

*Type: other For: Approval  
 Source: vivo*

**Decision:** The document was **not treated**.

[**R4-2302448**](file:///D:\RAN4%23106\Docs\R4-2302448.zip) **Addition for PC1.5 inter-band UL CA**

*Type: discussion For: Approval  
 Source: T-Mobile USA*

**Decision:** The document was **not treated**.

CR

[**R4-2301545**](file:///D:\RAN4%23106\Docs\R4-2301545.zip) **Introduce new scenario for increase higher power limit for CA**

*Type: CR For: Agreement  
 38.101-1 v18.0.0 CR-1390 rev Cat: B (Rel-18)  
  
 Source: vivo, Xiaomi, Huawei*

**Decision:** The document was **not treated**.

[**R4-2301546**](file:///D:\RAN4%23106\Docs\R4-2301546.zip) **Introduce new scenario for increase higher power limit for EN-DC**

*Type: CR For: Agreement  
 38.101-3 v18.0.0 CR-0859 rev Cat: B (Rel-18)  
  
 Source: vivo, Xiaomi, Huawei*

**Decision:** The document was **not treated**.

**[143] Topic #2: Enhancement for SAR issue mitigation**

[**R4-2300039**](file:///D:\RAN4%23106\Docs\R4-2300039.zip) **Necessity of reporting power class being used by a UE**

*Type: other For: Approval  
 Source: Nokia, Nokia Shanghai Bell*

**Abstract:**

This paper shares reasons why report of being used power class (PC) to network is essential.

**Decision:** The document was **not treated**.

[**R4-2300162**](file:///D:\RAN4%23106\Docs\R4-2300162.zip) **Discussion on enhancement of increasing UE power high limit for CA and DC**

*Type: other For: Approval  
 Source: Fujitsu Limited*

**Decision:** The document was **not treated**.

[**R4-2300753**](file:///D:\RAN4%23106\Docs\R4-2300753.zip) **Power-class fallback reporting in the PHR for improved scheduling and enhanced performance with and without the high-power limit**

*Type: other For: Approval  
 Source: Ericsson*

**Abstract:**

In this contribuiton we propose to trigger PHR by power-class changes and include information on power-class fallback. To this end a draft Reply LS to RAN1 is attached.

**Decision:** The document was **not treated**.

[**R4-2301107**](file:///D:\RAN4%23106\Docs\R4-2301107.zip) **Views on enhancement for SAR issue mitigation in FR1**

*Type: discussion For: Discussion  
 Source: Samsung*

**Decision:** The document was **not treated**.

[**R4-2301761**](file:///D:\RAN4%23106\Docs\R4-2301761.zip) **On enhancements of increasing UE power high limit for CA and DC**

*Type: other For: Approval  
 Source: Huawei, HiSilicon*

**Decision:** The document was **not treated**.

LS

[**R4-2301383**](file:///D:\RAN4%23106\Docs\R4-2301383.zip) **Draft LS on enhancements to realize increasing UE power high limit for CA and DC**

*Type: other For: Approval  
 Source: NTT DOCOMO INC.*

**Abstract:**

Draft Reply LS to R1-2210739 is attached

**Decision:** The document was **not treated**.

#### 9.26.2 Enhancement to reduce MPR/PAR

##### 9.26.2.1 General and work plan for Enhancement to reduce MPR/PAR

**[144] Topic #1: Scope of the WI**

[**R4-2301762**](file:///D:\RAN4%23106\Docs\R4-2301762.zip) **On further enhancements to reduce MPR/PAR**

*Type: other For: Approval  
 Source: Huawei, HiSilicon*

**Decision:** The document was **not treated**.

[**R4-2302740**](file:///D:\RAN4%23106\Docs\R4-2302740.zip) **Measurements for transparent and non-transparent schemes**

*Type: discussion For: Discussion  
 Source: Skyworks Solutions Inc.*

**Decision:** The document was **not treated**.

[**R4-2301680**](file:///D:\RAN4%23106\Docs\R4-2301680.zip) **Scope of the work for MPR/PAR -objective**

*Type: other For: Approval  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **not treated**.

[**R4-2302421**](file:///D:\RAN4%23106\Docs\R4-2302421.zip) **P-MPR for PRACH**

*Type: other For: Approval  
 Source: Ericsson*

**Abstract:**

In this contribution, we present our view on further improvement on the P-MPR for PRACH transmission

**Decision:** The document was **not treated**.

##### 9.26.2.2 RF simulation parameters

**[144] Topic #2: RF simulation parameters**

[**R4-2301514**](file:///D:\RAN4%23106\Docs\R4-2301514.zip) **Discussion on RF simulation parameters for enhancement to reduce MPR**

*Type: other For: Approval  
 Source: vivo*

**Decision:** The document was **not treated**.

[**R4-2301681**](file:///D:\RAN4%23106\Docs\R4-2301681.zip) **RF simulation parameters for MPR/PAR evaluations**

*Type: other For: Approval  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **not treated**.

[**R4-2302422**](file:///D:\RAN4%23106\Docs\R4-2302422.zip) **simulation parameter discussion for transparent and non-transparent schemes**

*Type: other For: Approval  
 Source: Ericsson*

**Abstract:**

In this contribution, we present our simulation parameters used on the transparent and non-transparent schemes.

**Decision:** The document was **not treated**.

##### 9.26.2.3 RF simulation results for transparent schemes

**[144] Topic #3: RF simulation results for transparent schemes**

[**R4-2300341**](file:///D:\RAN4%23106\Docs\R4-2300341.zip) **Simulation results for transparent MPR reduction schemes**

*Type: other For: Approval  
 Source: Apple*

**Decision:** The document was **not treated**.

[**R4-2300710**](file:///D:\RAN4%23106\Docs\R4-2300710.zip) **On UL power enhancement from transparent techniques**

*Type: other For: Approval  
 Source: Qualcomm Incorporated*

**Abstract:**

PCmaxH is an artifical upper limit that can be revisited to increase UL power.

**Decision:** The document was **not treated**.

[**R4-2301515**](file:///D:\RAN4%23106\Docs\R4-2301515.zip) **RF simulation results for transparent schemes for enhancement to reduce MPR**

*Type: other For: Approval  
 Source: vivo*

**Decision:** The document was **not treated**.

[**R4-2301682**](file:///D:\RAN4%23106\Docs\R4-2301682.zip) **RF simulation results for transparent schemes**

*Type: other For: Approval  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **not treated**.

[**R4-2302424**](file:///D:\RAN4%23106\Docs\R4-2302424.zip) **Simulation results for the transparent scheme**

*Type: other For: Approval  
 Source: Ericsson*

**Abstract:**

In this contribution, we present our simulation results on the transparent scheme stated in WF[1].

**Decision:** The document was **not treated**.

##### 9.26.2.4 RF simulation results for non-transparent schemes

**[144] Topic #4: RF simulation results for non-transparent schemes**

[**R4-2300342**](file:///D:\RAN4%23106\Docs\R4-2300342.zip) **Simulation results for non-transparent MPR reduction schemes**

*Type: other For: Approval  
 Source: Apple*

**Decision:** The document was **not treated**.

[**R4-2301516**](file:///D:\RAN4%23106\Docs\R4-2301516.zip) **RF simulation results for non-transparent schemes for enhancement to reduce MPR**

*Type: other For: Approval  
 Source: vivo*

**Decision:** The document was **not treated**.

[**R4-2301683**](file:///D:\RAN4%23106\Docs\R4-2301683.zip) **RF simulation results for non-transparent schemes**

*Type: other For: Approval  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **not treated**.

[**R4-2302423**](file:///D:\RAN4%23106\Docs\R4-2302423.zip) **Simulation results for the non-transparent scheme**

*Type: other For: Approval  
 Source: Ericsson*

**Abstract:**

In this contribution, we present our simulation results on the non-transparent scheme stated in WF[1].

**Decision:** The document was **not treated**.

[**R4-2302648**](file:///D:\RAN4%23106\Docs\R4-2302648.zip) **On UL power enhancement from BWE techniques**

*Type: other For: Approval  
 Source: Qualcomm Incorporated*

**Abstract:**

Views on UL power enhancement using BWE methods

**Decision:** The document was **not treated**.

##### 9.26.2.5 RF specification impact

**[144] Topic #5: RF specification impact**

[**R4-2301684**](file:///D:\RAN4%23106\Docs\R4-2301684.zip) **RF specification impacts**

*Type: other For: Approval  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **not treated**.

[**R4-2302420**](file:///D:\RAN4%23106\Docs\R4-2302420.zip) **RF spec impact for MPR reduction scheme**

*Type: other For: Approval  
 Source: Ericsson*

**Abstract:**

In this contribution, we present our view on the potential RF spec impact based on simulation results

**Decision:** The document was **not treated**.

[**R4-2302491**](file:///D:\RAN4%23106\Docs\R4-2302491.zip) **Discussion on MPR/PAR reduction for UL coverage enhancements**

*Type: discussion For: Decision  
 Source: MediaTek (Chengdu) Inc.*

**Decision:** The document was **not treated**.

#### 9.26.3 Moderator summary and conclusions

**[106][143] NR\_cov\_enh2\_part1, AI 9.26, 9.26.1 – Xiang Gao (Huawei)**

[**R4-2302836**](file:///D:\RAN4%23106\Docs\R4-2302836.zip) **Topic summary for [106][143] NR\_cov\_enh2\_part1**

*Type: other For: Information  
 Source: Moderator (Huawei)*

**Abstract:**

This contribution provides the summary of email discussion and recommended summary.

**Decision: Return to.**

**Discussions of issues and conclusions**

**[106][144] NR\_cov\_enh2\_part2, AI 9.26.2 – Johannes Hejselbaek (Nokia)**

[**R4-2302837**](file:///D:\RAN4%23106\Docs\R4-2302837.zip) **Topic summary for [106][144] NR\_cov\_enh2\_part2**

*Type: other For: Information  
 Source: Moderator (Nokia)*

**Abstract:**

This contribution provides the summary of email discussion and recommended summary.

**Decision: Return to.**

**Discussions of issues and conclusions**

### 9.27 NR Network-controlled Repeaters

### 9.28 NR MIMO evolution for downlink and uplink

#### 9.28.1 General and work plan

**[145] Topic #1: Workplan**

[**R4-2301929**](file:///D:\RAN4%23106\Docs\R4-2301929.zip) **Work plan for Rel-18 WI on MIMO evolution**

*Type: Work Plan For: Approval  
 Source: Samsung*

**Decision:** The document was **not treated**.

#### 9.28.2 UE RF requirements

##### 9.28.2.1 UE power limitation for STxMP in FR2 (R1-2205639)

**[145] Topic #2: UE RF requirements**

[**R4-2300638**](file:///D:\RAN4%23106\Docs\R4-2300638.zip) **UE power limitation for STxMP in FR2 (R1-2205639)**

*Type: other For: Approval  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **not treated**.

[**R4-2300661**](file:///D:\RAN4%23106\Docs\R4-2300661.zip) **On UE power limits for STxMP mDCI case**

*Type: other For: Approval  
 Source: InterDigital Communications*

**Abstract:**

In this contribution, we share our analysis on power limitation, the importance of the TCI approach in Pcmax definition, and propose answers for the LS reply to RAN1.

**Decision:** The document was **not treated**.

[**R4-2301539**](file:///D:\RAN4%23106\Docs\R4-2301539.zip) **Further discussion on UE power limitation for STxMP in FR2**

*Type: other For: Approval  
 Source: vivo*

**Decision:** The document was **not treated**.

[**R4-2302735**](file:///D:\RAN4%23106\Docs\R4-2302735.zip) **Discussion on UE power limitation for STxMP in FR2**

*Type: other For: Discussion  
 Source: Ericsson Limited*

**Decision:** The document was **not treated**.

[**R4-2301760**](file:///D:\RAN4%23106\Docs\R4-2301760.zip) **On the RF requirement for STxMP**

*Type: other For: Approval  
 Source: Huawei, HiSilicon*

**Decision:** The document was **not treated**.

[**R4-2302501**](file:///D:\RAN4%23106\Docs\R4-2302501.zip) **Discussion on impact of MIMO Evolution to RF requirements**

*Type: other For: Approval  
 Source: Samsung*

**Decision:** The document was **not treated**.

**[145] Topic #3: Reply LS (to R1-2205639)**

[**R4-2300663**](file:///D:\RAN4%23106\Docs\R4-2300663.zip) **[Draft] Reply LS on UE power limitation for STxMP in FR2**

*Type: LS out For: Approval  
 to RAN1  
 Source: InterDigital Communications*

**Decision:** The document was **not treated**.

[**R4-2300706**](file:///D:\RAN4%23106\Docs\R4-2300706.zip) **Reply LS on UE power limitation for STxMP in FR2 (R1-2205639)**

*Type: LS out For: Approval  
 to RAN1  
 Source: Qualcomm Incorporated*

**Abstract:**

We focus on the specific connotation of 'power limitation' that impacts RAN1 (Configured Tx power) and address how RAN4 may construct a requirement in the future for this feature.

**Decision:** The document was **not treated**.

[**R4-2301596**](file:///D:\RAN4%23106\Docs\R4-2301596.zip) **Draft LS on UE power limitation for STxMP in FR2**

*Type: LS out For: Approval  
 to RAN1  
 Source: MediaTek Inc.*

**Decision:** The document was **not treated**.

[**R4-2302502**](file:///D:\RAN4%23106\Docs\R4-2302502.zip) **[Draft] Reply LS on UE power limitation for STxMP in FR2**

*Type: LS out For: Approval  
 to RAN1  
 Source: Samsung*

**Decision:** The document was **not treated**.

##### 9.28.2.2 UE RF requirement aspects

[**R4-2300639**](file:///D:\RAN4%23106\Docs\R4-2300639.zip) **UE RF requirement aspects**

*Type: other For: Approval  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **not treated**.

[**R4-2301540**](file:///D:\RAN4%23106\Docs\R4-2301540.zip) **Initial analysis on UE RF requirements for NR MIMO evolution**

*Type: other For: Approval  
 Source: vivo*

**Decision:** The document was **not treated**.

[**R4-2301624**](file:///D:\RAN4%23106\Docs\R4-2301624.zip) **Discussion on the RF requirements for STxMP in FR2**

*Type: discussion For: Discussion  
 Source: Xiaomi*

**Decision:** The document was **not treated**.

#### 9.28.3 RRM core requirements

#### 9.28.4 Moderator summary and conclusions

**[106][145] NR\_MIMO\_evo\_DL\_UL\_UERF, AI 9.28, 9.28.1, 9.28.2 – Taekhoon Kim (Samsung)**

[**R4-2302838**](file:///D:\RAN4%23106\Docs\R4-2302838.zip) **Topic summary for [106][145] NR\_MIMO\_evo\_DL\_UL\_UERF**

*Type: other For: Information  
 Source: Moderator (Samsung)*

**Abstract:**

This contribution provides the summary of email discussion and recommended summary.

**Decision: Return to.**

**Discussions of issues and conclusions**

### 9.29 NR sidelink evolution

#### 9.29.1 General and work plan

**[146] Topic #1: General & Workplan**

[**R4-2301182**](file:///D:\RAN4%23106\Docs\R4-2301182.zip) **R18 workplan for NR SL evolution WI**

*Type: other For: Approval  
 Source: OPPO, LGE*

**Decision:** The document was **not treated**.

[**R4-2300207**](file:///D:\RAN4%23106\Docs\R4-2300207.zip) **Scope and priority of NR SL evolution in Rel-18**

*Type: other For: Approval  
 Source: Meta Ireland*

**Abstract:**

we propose the RAN4 RF related scope to support SL-U operation and SL FR2 operation except NR SL CA feature since the SL CA topic is still pending in the next RAN plenary meeting. RAN4 can further discuss the SL CA issue after RAN determines whether the t

**Decision:** The document was **not treated**.

[**R4-2300974**](file:///D:\RAN4%23106\Docs\R4-2300974.zip) **Discussion on support of NR sidelink on unlicensed spectrum**

*Type: discussion For: Approval  
 Source: LG Electronics Finland*

**Abstract:**

Proposals made on way forward linked with UE Tx and Rx RF requirement for supporting new features introduced in the NR SL evolution WI.

**Decision:** The document was **not treated**.

[**R4-2301418**](file:///D:\RAN4%23106\Docs\R4-2301418.zip) **RRM and RF Requirements for SL LTE-NR co-channel coexistence**

*Type: discussion For: Discussion  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **not treated**.

[**R4-2301535**](file:///D:\RAN4%23106\Docs\R4-2301535.zip) **Initial views on NR sidelink evolution**

*Type: other For: Approval  
 Source: vivo*

**Decision:** The document was **not treated**.

[**R4-2301919**](file:///D:\RAN4%23106\Docs\R4-2301919.zip) **on the SL-e**

*Type: discussion For: Discussion  
 Source: Xiaomi*

**Decision:** The document was **not treated**.

**TR 38.786**

[**R4-2301183**](file:///D:\RAN4%23106\Docs\R4-2301183.zip) **R18 TR38.786 v0.0.1 skeleton for SL evoluation**

*Type: draft TR For: Agreement  
 38.786 v0.0.1 CR- rev Cat: (Rel-18)  
  
 Source: OPPO*

**Decision:** The document was **not treated**.

#### 9.29.2 UE RF requirements

**[146] Topic #2: UE RF requirements**

[**R4-2301184**](file:///D:\RAN4%23106\Docs\R4-2301184.zip) **R18 NR SL evolution impacts**

*Type: other For: Approval  
 Source: OPPO*

**Decision:** The document was **not treated**.

[**R4-2301677**](file:///D:\RAN4%23106\Docs\R4-2301677.zip) **Discussion on SL-U impact on RF requirements**

*Type: other For: Approval  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **not treated**.

[**R4-2301918**](file:///D:\RAN4%23106\Docs\R4-2301918.zip) **on the SL-e RF requirement**

*Type: discussion For: Discussion  
 Source: Xiaomi*

**Decision:** The document was **not treated**.

[**R4-2302045**](file:///D:\RAN4%23106\Docs\R4-2302045.zip) **Regulations for SL on unlicensed spectrum**

*Type: other For: Information  
 Source: Huawei, HiSilicon*

**Decision:** The document was **not treated**.

[**R4-2302046**](file:///D:\RAN4%23106\Docs\R4-2302046.zip) **On Rel-18 NR SL evolution**

*Type: other For: Approval  
 Source: Huawei, HiSilicon*

**Decision:** The document was **not treated**.

[**R4-2302480**](file:///D:\RAN4%23106\Docs\R4-2302480.zip) **UE RF requirements in sidelink**

*Type: other For: Approval  
 38.101-1 v CR- rev Cat: (Rel-18)  
  
 Source: Qualcomm Incorporated*

**Decision:** The document was **not treated**.

LS

[**R4-2302047**](file:///D:\RAN4%23106\Docs\R4-2302047.zip) **draft LS on co-channel coexistence**

*Type: LS out For: Approval  
 to RAN1,RAN2  
 Source: Huawei, HiSilicon*

**Decision:** The document was **not treated**.

#### 9.29.3 RRM core requirements

#### 9.29.4 Moderator summary and conclusions

**[106][146] NR\_SL\_enh2\_UERF, AI 9.29, 9.29.1, 9.29.2 – Sang-Wook Lee (LGE)**

[**R4-2302839**](file:///D:\RAN4%23106\Docs\R4-2302839.zip) **Topic summary for [106][146] NR\_SL\_enh2\_UERF**

*Type: other For: Information  
 Source: Moderator (LGE)*

**Abstract:**

This contribution provides the summary of email discussion and recommended summary.

**Decision: Return to.**

**Discussions of issues and conclusions**

### 9.30 Enhanced support of reduced capability NR devices

#### 9.30.1 General and work plan

[**R4-2301856**](file:///D:\RAN4%23106\Docs\R4-2301856.zip) **General aspects for Enhanced RedCap**

*Type: discussion For: Discussion  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **not treated**.

[**R4-2302402**](file:///D:\RAN4%23106\Docs\R4-2302402.zip) **WI work plan for Rel-18 RedCap**

*Type: discussion For: Discussion  
 Source: Ericsson*

**Abstract:**

WI work plan for Rel-18 RedCap for RF and RRM.

**Decision:** The document was **not treated**.

#### 9.30.2 UE RF requirements

[**R4-2301625**](file:///D:\RAN4%23106\Docs\R4-2301625.zip) **Discussion on UE RF requirements for eRedcap**

*Type: discussion For: Discussion  
 Source: Xiaomi*

**Decision:** The document was **not treated**.

[**R4-2301857**](file:///D:\RAN4%23106\Docs\R4-2301857.zip) **UE RF requirements for Enhanced RedCap**

*Type: discussion For: Discussion  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **not treated**.

[**R4-2302110**](file:///D:\RAN4%23106\Docs\R4-2302110.zip) **Initial discussion on RF impacts for R18 RedCap UE**

*Type: other For: Approval  
 Source: Huawei, HiSilicon*

**Decision:** The document was **not treated**.

[**R4-2302269**](file:///D:\RAN4%23106\Docs\R4-2302269.zip) **eRedCap UE RF impacts**

*Type: other For: Approval  
 Source: Qualcomm Inc.*

**Decision:** The document was **not treated**.

[**R4-2302427**](file:///D:\RAN4%23106\Docs\R4-2302427.zip) **RF spec impact analysis**

*Type: other For: Approval  
 Source: Ericsson*

**Abstract:**

In this contribution, we present our view on the potential RF spec impact for Rel-18 RedCap WI.

**Decision:** The document was **not treated**.

#### 9.30.3 BS RF requirements

#### 9.30.4 RRM core requirements

#### 9.30.5 Moderator summary and conclusions

**[106][147] NR\_redcap\_enh\_UERF, AI 9.30, 9.30.1, 9.30.2 – Chunhui Zhang (Ericsson)**

[**R4-2302840**](file:///D:\RAN4%23106\Docs\R4-2302840.zip) **Topic summary for [106][147] NR\_redcap\_enh\_UERF**

*Type: other For: Information  
 Source: Moderator (Ericsson)*

**Abstract:**

This contribution provides the summary of email discussion and recommended summary.

**Decision: Return to.**

**Discussions of issues and conclusions**

### 9.31 Enhanced NR Sidelink Relay

### 9.32 Mobile IAB (Integrated Access and Backhaul) for NR

## 10 Rel-18 on-going work Items for LTE

*This agenda item is related to Rel-18 on-gong work items for LTE.*

*- Spectrum WIs are related agenda item 10.1 – 10.4.*

*- Non-spectrum WIs are related to agenda item 10.5 – 10.7.*

### 10.1 Rel-18 LTE-Advanced Carrier Aggregation for x bands (2<=x<= 6) DL with y bands (y=1, 2) UL

#### 10.1.1 Rapporteur input (WID/TR/CR)

[**R4-2300134**](file:///D:\RAN4%23106\Docs\R4-2300134.zip) **Big CR on Introduction of completed R18 x(x<=6) DL y(y<=2) UL CA band combinations to TS 36.101**

*Type: draftCR For: Agreement  
 36.101 v18.0.0 CR- rev Cat: B (Rel-18)  
  
 Source: Huawei Technologies France*

**Decision:** The document was **not treated**.

[**R4-2300135**](file:///D:\RAN4%23106\Docs\R4-2300135.zip) **Revised WID Rel-18 LTE-A CA for x(x<=6) DL y(y<=2) UL**

*Type: WID revised For: Approval  
 Source: Huawei Technologies France*

**Decision:** The document was **not treated**.

[**R4-2300136**](file:///D:\RAN4%23106\Docs\R4-2300136.zip) **TR 36.718-02-01 LTE-A CA for x(x=123456) DL y(y=12) UL**

*Type: draft TR For: Approval  
 36.718-02-01 v0.0.2 CR- rev Cat: (Rel-18)  
  
 Source: Huawei Technologies France*

**Decision:** The document was **not treated**.

#### 10.1.2 UE RF requirements for 1 UL

##### 10.1.2.1 Requirements with specific issues

##### 10.1.2.2 Requirements without specific issues

[**R4-2301084**](file:///D:\RAN4%23106\Docs\R4-2301084.zip) **TP for 36.718-02-01 to include CA\_3-67**

*Type: pCR For: Approval  
 36.718-02-01 v0.2.0 CR- rev Cat: (Rel-18)  
  
 Source: Ericsson, BT plc*

**Abstract:**

TP for 36.718-02-01 to include CA\_3-67

**Decision:** The document was **not treated**.

#### 10.1.3 UE RF requirements for 2UL

##### 10.1.3.1 Requirements with specific issues

##### 10.1.3.2 Requirements without specific issues

[**R4-2301083**](file:///D:\RAN4%23106\Docs\R4-2301083.zip) **draft CR 36.101 to add dual UL to CA\_3C-20A**

*Type: draftCR For: Endorsement  
 36.101 v18.0.0 CR- rev Cat: B (Rel-18)  
  
 Source: Ericsson, BT plc*

**Abstract:**

draft CR 36.101 to add dual UL to CA\_3C-20A

**Decision:** The document was **not treated**.

[**R4-2301085**](file:///D:\RAN4%23106\Docs\R4-2301085.zip) **TP for 36.718-02-01 to include CA\_3-20-67**

*Type: pCR For: Approval  
 36.718-02-01 v0.2.0 CR- rev Cat: (Rel-18)  
  
 Source: Ericsson, BT plc*

**Abstract:**

This TP is depending on approval for fallback in TP for 36.718-02-01 to include CA\_3-67 submitted in agenda item 10.1.2.2

**Decision:** The document was **not treated**.

#### 10.1.4 Moderator summary and conclusions

**[106][109] LTE\_Baskets, AI 10.1 – Mohammad Abdi Abyaneh (Huawei)**

[**R4-2302802**](file:///D:\RAN4%23106\Docs\R4-2302802.zip) **Topic summary for [106][109] LTE\_Baskets**

*Type: other For: Information  
 Source: Moderator (Huawei)*

**Abstract:**

This contribution provides the summary of email discussion and recommended summary.

**Decision: Return to.**

**Discussions of issues and conclusions**

### 10.2 Additional LTE bands for UE categories M1/M2/NB1/NB2 in Rel-18

#### 10.2.1 Rapporteur input (WID/TR/CR)

**[115] Topic #7: Additional LTE bands for UE categories M1/M2/NB1/NB2 in Rel-18**

[**R4-2302405**](file:///D:\RAN4%23106\Docs\R4-2302405.zip) **Adding band B54 RF impact analysis and work plan**

*Type: discussion For: Approval  
 Source: Ericsson*

**Abstract:**

In this paper, the RF impact on the spec and work plan is proposed.

**Decision:** The document was **not treated**.

BS CR: 36.141, 37.141

[**R4-2302530**](file:///D:\RAN4%23106\Docs\R4-2302530.zip) **CR related to Introduction of support of NB1/NB2 for LTE TDD Band 54**

*Type: CR For: Agreement  
 36.141 v18.0.0 CR-1353 rev Cat: B (Rel-18)  
  
 Source: Ericsson, Ligado Networks*

**Abstract:**

CR related to Introduction of support of NB1/NB2 for LTE TDD Band 54

**Decision:** The document was **not treated**.

[**R4-2302531**](file:///D:\RAN4%23106\Docs\R4-2302531.zip) **CR related to Introduction of support of NB1/NB2 for LTE TDD Band 54**

*Type: CR For: Agreement  
 37.141 v18.0.0 CR-1033 rev Cat: B (Rel-18)  
  
 Source: Ericsson, Ligado Networks*

**Abstract:**

CR related to Introduction of support of NB1/NB2 for LTE TDD Band 54

**Decision:** The document was **not treated**.

#### 10.2.2 UE RF requirements

CR 36.101

[**R4-2300074**](file:///D:\RAN4%23106\Docs\R4-2300074.zip) **CR related to Introduction of support of NB1/NB2/M1/M2 for LTE TDD Band 54**

*Type: CR For: Agreement  
 36.101 v18.0.0 CR-5900 rev Cat: B (Rel-18)  
  
 Source: Ligado Networks, Ericsson*

**Decision:** The document was **not treated**.

CR 36.307 for M1

[**R4-2302407**](file:///D:\RAN4%23106\Docs\R4-2302407.zip) **CR related to Introduction of support of M1 for LTE TDD Band 54**

*Type: CR For: Agreement  
 36.307 v13.15.0 CR-4474 rev Cat: B (Rel-13)  
  
 Source: Ericsson, Ligado Networks*

**Abstract:**

CR related to Introduction of support of Cat-M1 for LTE TDD Band 54

**Decision:** The document was **not treated**.

[**R4-2302408**](file:///D:\RAN4%23106\Docs\R4-2302408.zip) **CR for TS 36\_101 Support of M1 for B54\_R14A**

*Type: CR For: Agreement  
 36.307 v14.12.0 CR-4475 rev Cat: A (Rel-14)  
  
 Source: Ericsson,Ligado Networks*

**Abstract:**

CR related to Introduction of support of Cat-M1 for LTE TDD Band 54

**Decision:** The document was **not treated**.

[**R4-2302409**](file:///D:\RAN4%23106\Docs\R4-2302409.zip) **CR for TS 36\_101 Support of M1 for B54\_R15A**

*Type: CR For: Agreement  
 36.307 v15.9.0 CR-4476 rev Cat: A (Rel-15)  
  
 Source: Ericsson,Ligado Networks*

**Abstract:**

CR related to Introduction of support of Cat-M1 for LTE TDD Band 54

**Decision:** The document was **not treated**.

[**R4-2302410**](file:///D:\RAN4%23106\Docs\R4-2302410.zip) **CR for TS 36\_101 Support of M1 for B54\_R16A**

*Type: CR For: Agreement  
 36.307 v16.5.0 CR-4477 rev Cat: A (Rel-16)  
  
 Source: Ericsson,Ligado Networks*

**Abstract:**

CR related to Introduction of support of Cat-M1 for LTE TDD Band 54

**Decision:** The document was **not treated**.

[**R4-2302411**](file:///D:\RAN4%23106\Docs\R4-2302411.zip) **CR for TS 36\_101 Support of M1 for B54\_R17A**

*Type: CR For: Agreement  
 36.307 v17.3.0 CR-4478 rev Cat: A (Rel-17)  
  
 Source: Ericsson,Ligado Networks*

**Abstract:**

CR related to Introduction of support of Cat-M1 for LTE TDD Band 54

**Decision:** The document was **not treated**.

[**R4-2302540**](file:///D:\RAN4%23106\Docs\R4-2302540.zip) **CR related to Introduction of support of M1 for LTE TDD Band 54\_R18A**

*Type: CR For: Agreement  
 36.307 v17.3.0 CR-4488 rev Cat: A (Rel-18)  
  
 Source: Ericsson, Ligado Networks*

**Decision:** The document was **not treated**.

CR 36.307 for M2

[**R4-2302412**](file:///D:\RAN4%23106\Docs\R4-2302412.zip) **CR related to Introduction of support of M2 for LTE TDD Band 54**

*Type: CR For: Agreement  
 36.307 v14.12.0 CR-4479 rev Cat: B (Rel-14)  
  
 Source: Ericsson, Ligado Networks*

**Abstract:**

CR related to Introduction of support of Cat-M2 for LTE TDD Band 54

**Decision:** The document was **not treated**.

[**R4-2302413**](file:///D:\RAN4%23106\Docs\R4-2302413.zip) **TS 36\_307 Support of M2 for B54\_R15A**

*Type: CR For: Agreement  
 36.307 v15.9.0 CR-4480 rev Cat: A (Rel-15)  
  
 Source: Ericsson,Ligado Networks*

**Abstract:**

CR related to Introduction of support of Cat-M2 for LTE TDD Band 54

**Decision:** The document was **not treated**.

[**R4-2302414**](file:///D:\RAN4%23106\Docs\R4-2302414.zip) **CR for TS 36\_307 Support of M2 for B54\_R16A**

*Type: CR For: Agreement  
 36.307 v16.5.0 CR-4481 rev Cat: A (Rel-16)  
  
 Source: Ericsson,Ligado Networks*

**Abstract:**

CR related to Introduction of support of Cat-M2 for LTE TDD Band 54

**Decision:** The document was **not treated**.

[**R4-2302415**](file:///D:\RAN4%23106\Docs\R4-2302415.zip) **CR for TS 36\_307 Support of M2 for B54\_R17A**

*Type: CR For: Agreement  
 36.307 v17.3.0 CR-4482 rev Cat: A (Rel-17)  
  
 Source: Ericsson,Ligado Networks*

**Abstract:**

CR related to Introduction of support of Cat-M2 for LTE TDD Band 54

**Decision:** The document was **not treated**.

[**R4-2302543**](file:///D:\RAN4%23106\Docs\R4-2302543.zip) **CR related to Introduction of support of M2 for LTE TDD Band 54\_R18A**

*Type: CR For: Agreement  
 36.307 v17.3.0 CR-4489 rev Cat: A (Rel-18)  
  
 Source: Ericsson, Ligado Networks*

**Decision:** The document was **not treated**.

CR 36.307 for NB1/NB2

[**R4-2302416**](file:///D:\RAN4%23106\Docs\R4-2302416.zip) **CR related to Introduction of support of NB1/NB2 for LTE TDD Band 54**

*Type: CR For: Agreement  
 36.307 v15.9.0 CR-4483 rev Cat: B (Rel-15)  
  
 Source: Ericsson, Ligado Networks*

**Abstract:**

CR related to Introduction of support of NB1/NB2 for LTE TDD Band 54

**Decision:** The document was **not treated**.

[**R4-2302417**](file:///D:\RAN4%23106\Docs\R4-2302417.zip) **CR for TS 36\_307 Support of NB1NB2 for B54\_R16A**

*Type: CR For: Agreement  
 36.307 v16.5.0 CR-4484 rev Cat: A (Rel-16)  
  
 Source: Ericsson,Ligado Networks*

**Abstract:**

CR related to Introduction of support of NB1/NB2 for LTE TDD Band 54

**Decision:** The document was **not treated**.

[**R4-2302418**](file:///D:\RAN4%23106\Docs\R4-2302418.zip) **CR for TS 36\_307 Support of NB1NB2 for B54\_R17A**

*Type: CR For: Agreement  
 36.307 v17.3.0 CR-4485 rev Cat: A (Rel-17)  
  
 Source: Ericsson,Ligado Networks*

**Abstract:**

CR related to Introduction of support of NB1/NB2 for LTE TDD Band 54

**Decision:** The document was **not treated**.

[**R4-2302538**](file:///D:\RAN4%23106\Docs\R4-2302538.zip) **CR related to Introduction of support of NB1/NB2 for LTE TDD Band 54\_R18A**

*Type: CR For: Agreement  
 36.307 v17.3.0 CR-4487 rev Cat: A (Rel-18)  
  
 Source: Ericsson, Ligado Networks*

**Decision:** The document was **not treated**.

#### 10.2.3 BS RF and MSR requirements

[**R4-2300075**](file:///D:\RAN4%23106\Docs\R4-2300075.zip) **CR related to Introduction of support of NB1/NB2/M1 for LTE TDD Band 54**

*Type: CR For: Agreement  
 36.133 v18.0.0 CR-7184 rev Cat: B (Rel-18)  
  
 Source: Ligado Networks, Ericsson*

**Decision:** The document was **not treated**.

[**R4-2300076**](file:///D:\RAN4%23106\Docs\R4-2300076.zip) **CR related to Introduction of support of NB1/NB2 for LTE TDD Band 54**

*Type: CR For: Agreement  
 36.104 v18.0.0 CR-4965 rev Cat: B (Rel-18)  
  
 Source: Ligado Networks, Ericsson*

**Decision:** The document was **not treated**.

[**R4-2300077**](file:///D:\RAN4%23106\Docs\R4-2300077.zip) **CR related to Introduction of support of NB1/NB2 for LTE TDD Band 54**

*Type: CR For: Agreement  
 37.104 v18.0.0 CR-0976 rev Cat: B (Rel-18)  
  
 Source: Ligado Networks, Ericsson*

**Decision:** The document was **not treated**.

[**R4-2302406**](file:///D:\RAN4%23106\Docs\R4-2302406.zip) **CR for TS 36.141 Support of NB1NB2 for B54**

*Type: CR For: Agreement  
 36.141 v18.0.0 CR-1351 rev Cat: B (Rel-18)  
  
 Source: Ericsson,Ligado Networks*

**Abstract:**

CR related to Introduction of support of NB1/NB2 for LTE TDD Band 54

**Decision:** The document was **not treated**.

[**R4-2302419**](file:///D:\RAN4%23106\Docs\R4-2302419.zip) **CR for TS 37.141 Support of NB1NB2 for B54**

*Type: CR For: Agreement  
 37.141 v18.0.0 CR-1032 rev Cat: B (Rel-18)  
  
 Source: Ericsson,Ligado Networks*

**Abstract:**

CR related to Introduction of support of NB1/NB2 for LTE TDD Band 54

**Decision:** The document was **not treated**.

### 10.3 New bands and BW allocation for 5G terrestrial broadcast - part 2

#### 10.3.1 General and work plan

#### 10.3.2 Band definition and system parameters

**[122] Topic #1: Band plan**

[**R4-2300204**](file:///D:\RAN4%23106\Docs\R4-2300204.zip) **LTE based 5G broadcast band definition**

*Type: other For: Approval  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **not treated**.

[**R4-2300633**](file:///D:\RAN4%23106\Docs\R4-2300633.zip) **Discussion on band plan for 5G Broadcast**

*Type: discussion For: Approval  
 Source: Rohde & Schwarz*

**Decision:** The document was **not treated**.

[**R4-2301228**](file:///D:\RAN4%23106\Docs\R4-2301228.zip) **Discussion on band definition for LTE based broadcast**

*Type: other For: Approval  
 Source: ZTE Corporation*

**Decision:** The document was **not treated**.

[**R4-2301470**](file:///D:\RAN4%23106\Docs\R4-2301470.zip) **5G Broadcast: Bands discussion**

*Type: other For: Approval  
 Source: Ericsson*

**Abstract:**

This contribution discusses bands plan for 5G broadcast services

**Decision:** The document was **not treated**.

[**R4-2302105**](file:///D:\RAN4%23106\Docs\R4-2302105.zip) **Discussion on UE implementation and band plan for LTE based 5G broadcast**

*Type: other For: Approval  
 Source: Huawei, HiSilicon*

**Decision:** The document was **not treated**.

[**R4-2302703**](file:///D:\RAN4%23106\Docs\R4-2302703.zip) **UHF band definition for 5G broadcast**

*Type: other For: Approval  
 Source: Qualcomm Incorporated*

**Decision:** The document was **not treated**.

#### 10.3.3 UE RF requirements

**[122] Topic #2: UE RF requirements**

[**R4-2300205**](file:///D:\RAN4%23106\Docs\R4-2300205.zip) **LTE based 5G UE RF open issues**

*Type: other For: Approval  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **not treated**.

[**R4-2300382**](file:///D:\RAN4%23106\Docs\R4-2300382.zip) **UE RF requirements for 5G terrestrial broadcast**

*Type: discussion For: Approval  
 Source: SWR*

**Decision:** The document was **not treated**.

[**R4-2300634**](file:///D:\RAN4%23106\Docs\R4-2300634.zip) **Discussion on UE RF requirements for 5G Broadcast**

*Type: discussion For: Approval  
 Source: Rohde & Schwarz*

**Decision:** The document was **not treated**.

[**R4-2302106**](file:///D:\RAN4%23106\Docs\R4-2302106.zip) **Discussion on UE RF requirements**

*Type: other For: Approval  
 Source: Huawei, HiSilicon*

**Decision:** The document was **not treated**.

[**R4-2302704**](file:///D:\RAN4%23106\Docs\R4-2302704.zip) **In-channel ACS for 5G broadcast**

*Type: discussion For: Discussion  
 Source: Qualcomm Incorporated*

**Decision:** The document was **not treated**.

[**R4-2302705**](file:///D:\RAN4%23106\Docs\R4-2302705.zip) **UE requirements for 5G broadcast**

*Type: other For: Approval  
 Source: Qualcomm Incorporated*

**Decision:** The document was **not treated**.

#### 10.3.4 BS RF requirements

#### 10.3.5 Moderator summary and conclusions

**[106][122] LTE\_terr\_bcast\_bands\_UERF, AI 10.3, 10.3.2, 10.3.3 – Gene Fong (Qualcomm)**

[**R4-2302815**](file:///D:\RAN4%23106\Docs\R4-2302815.zip) **Topic summary for [106][122] LTE\_terr\_bcast\_bands\_UERF**

*Type: other For: Information  
 Source: Moderator (Qualcomm)*

**Abstract:**

This contribution provides the summary of email discussion and recommended summary.

**Decision: Return to.**

**Discussions of issues and conclusions**

### 10.4 Introduction of 900 MHz LTE Band in the US

#### 10.4.1 General and work plan

**[119] Topic #1: Work plans**

[**R4-2302706**](file:///D:\RAN4%23106\Docs\R4-2302706.zip) **Work plan for 900 MHz LTE new band**

*Type: other For: Approval  
 Source: Qualcomm Incorporated*

**Decision:** The document was **not treated**.

#### 10.4.2 Band definition and co-existence requirements

**[119] Topic #2: Band plan**

[**R4-2301225**](file:///D:\RAN4%23106\Docs\R4-2301225.zip) **Discussion on band definition for 900 MHz LTE Band**

*Type: other For: Approval  
 Source: ZTE Corporation*

**Decision:** The document was **not treated**.

#### 10.4.3 UE RF requirements

**[119] Topic #3: UE RF requirements**

[**R4-2300429**](file:///D:\RAN4%23106\Docs\R4-2300429.zip) **UE RF specification impact due to Introduction of 900 MHz LTE Band in the US**

*Type: discussion For: Discussion  
 Source: Nokia*

**Decision:** The document was **not treated**.

[**R4-2301226**](file:///D:\RAN4%23106\Docs\R4-2301226.zip) **Discussion on UE RF requirements for 900 MHz LTE Band**

*Type: other For: Approval  
 Source: ZTE Corporation*

**Decision:** The document was **not treated**.

**[119] Topic #4: UE RRM requirements**

[**R4-2301360**](file:///D:\RAN4%23106\Docs\R4-2301360.zip) **draft CR to TS 36.133: Introduction of 900 MHz LTE Band in the US**

*Type: draftCR For: Endorsement  
 36.133 v18.0.0 CR- rev Cat: (Rel-18)  
  
 Source: ZTE Corporation*

**Decision:** The document was **not treated**.

#### 10.4.4 BS RF requirements

**[119] Topic #5: BS RF requirements**

[**R4-2301196**](file:///D:\RAN4%23106\Docs\R4-2301196.zip) **BS requirements for 900 MHz LTE Band in the US**

*Type: other For: Approval  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **not treated**.

[**R4-2301227**](file:///D:\RAN4%23106\Docs\R4-2301227.zip) **Discussion on BS RF requirements for 900 MHz LTE Band**

*Type: other For: Approval  
 Source: ZTE Corporation*

**Decision:** The document was **not treated**.

#### 10.4.5 Moderator summary and conclusions

### 10.5 NB-IoT/eMTC core & perf. requirements for NTN

#### 10.5.1 General

**[148] Topic #1: General & workplan (10.5.1)**

[**R4-2300390**](file:///D:\RAN4%23106\Docs\R4-2300390.zip) **Work Plan for performance part for NB-IoT/eMTC for NTN requirements**

*Type: Work Plan For: Approval  
 Source: MediaTek inc., Huawei, HiSilicon*

**Decision:** The document was **not treated**.

[**R4-2302450**](file:///D:\RAN4%23106\Docs\R4-2302450.zip) **CR to TS 36.307: release independence requirements introduction for IoT NTN, Rel-18**

*Type: CR For: Agreement  
 36.307 v17.3.0 CR-4486 rev Cat: A (Rel-18)  
  
 Source: Huawei, HiSilicon, Mediatek*

**Abstract:**

CR to trigger Rel-18 version of the TS 36.307 specification, based on the Rel-17 CR content Approved during RAN#98-e in RP-223546.

**Decision:** The document was **not treated**.

#### 10.5.2 SAN RF requirement maintenance

#### 10.5.3 SAN RF conformance testing

#### 10.5.4 UE RF requirement maintenance

**[148] Topic #2: UE RF requirements maintenance (10.5.4)**

[**R4-2302252**](file:///D:\RAN4%23106\Docs\R4-2302252.zip) **Maintenance on IoT NTN UE RF**

*Type: other For: Approval  
 Source: Sony*

**Decision:** The document was **not treated**.

[**R4-2302272**](file:///D:\RAN4%23106\Docs\R4-2302272.zip) **Handling of ETSI requirements**

*Type: other For: Approval  
 Source: Qualcomm Inc.*

**Decision:** The document was **not treated**.

[**R4-2302336**](file:///D:\RAN4%23106\Docs\R4-2302336.zip) **Discussion on UE RF requirements for IoT NTN**

*Type: discussion For: Approval  
 36.102 v CR- rev Cat: (Rel-18)  
  
 Source: Mediatek India Technology Pvt.*

**Decision:** The document was **not treated**.

[**R4-2302381**](file:///D:\RAN4%23106\Docs\R4-2302381.zip) **A-MPR for NB-IoT NS\_24**

*Type: other For: Agreement  
 Source: Sony*

**Decision:** The document was **not treated**.

[**R4-2302431**](file:///D:\RAN4%23106\Docs\R4-2302431.zip) **A-MPR simulation for NS\_24 for B256**

*Type: other For: Approval  
 Source: Ericsson*

**Abstract:**

In this contribution, we present our simulation on the A-MPR for NS\_24 for protection of B34

**Decision:** The document was **not treated**.

CR

[**R4-2300078**](file:///D:\RAN4%23106\Docs\R4-2300078.zip) **Updates to the additional emissions requirements related to NS\_02N**

*Type: CR For: Agreement  
 36.102 v18.0.0 CR-0001 rev Cat: F (Rel-18)  
  
 Source: Ligado Networks*

**Decision:** The document was **not treated**.

[**R4-2300983**](file:///D:\RAN4%23106\Docs\R4-2300983.zip) **CR to 36.102 for NTN IoT UE RF requirements corrections**

*Type: CR For: Agreement  
 36.102 v18.0.0 CR-0002 rev Cat: F (Rel-18)  
  
 Source: Mediatek India Technology Pvt.*

**Decision:** The document was **not treated**.

[**R4-2302271**](file:///D:\RAN4%23106\Docs\R4-2302271.zip) **CR to 36.102 for MPR and A-MPR**

*Type: CR For: Agreement  
 36.102 v18.0.0 CR-0003 rev Cat: F (Rel-18)  
  
 Source: Qualcomm Inc.*

**Decision:** The document was **not treated**.

[**R4-2302432**](file:///D:\RAN4%23106\Docs\R4-2302432.zip) **Update A-MPR for NS\_24 for Cat-M1**

*Type: CR For: Agreement  
 36.102 v18.0.0 CR-0004 rev Cat: F (Rel-18)  
  
 Source: Ericsson*

**Abstract:**

A-MPR for NS-24 needs updates accoridng to simulation and other maintenance CR

**Decision:** The document was **not treated**.

[**R4-2302532**](file:///D:\RAN4%23106\Docs\R4-2302532.zip) **Update A-MPR for NS\_24 for Cat-M1**

*Type: CR For: Agreement  
 36.102 v18.0.0 CR-0005 rev Cat: F (Rel-18)  
  
 Source: Ericsson*

**Abstract:**

A-MPR for NS-24 needs updates accoridng to simulation and other maintenance CR

**Decision:** The document was **not treated**.

#### 10.5.5 RRM core requirement maintenance

#### 10.5.6 RRM performance requirements

#### 10.5.7 Demodulation requirements

#### 10.5.8 Moderator summary and conclusions

**[106][148] LTE\_NBeMTC\_NTN\_UERF, AI 10.5, 10.5.1, 10.5.4, 10.6.2 – Daniel Hsieh (Mediatek)**

[**R4-2302841**](file:///D:\RAN4%23106\Docs\R4-2302841.zip) **Topic summary for [106][148] LTE\_NBeMTC\_NTN\_UERF**

*Type: other For: Information  
 Source: Moderator (Mediatek)*

**Abstract:**

This contribution provides the summary of email discussion and recommended summary.

**Decision: Return to.**

**Discussions of issues and conclusions**

### 10.6 IoT (Internet of Things) NTN (non-terrestrial network) enhancements

#### 10.6.1 General and work plan

#### 10.6.2 UE RF requirements

**[148] Topic #3: UE RF requirements (10.6.2)**

[**R4-2302426**](file:///D:\RAN4%23106\Docs\R4-2302426.zip) **RF spec impact analysis**

*Type: other For: Approval  
 Source: Ericsson*

**Abstract:**

In this contribution, we present our view on the potential RF spec impact for new Rel-18 NTN IoT enhancement feature based on WID[1].

**Decision:** The document was **not treated**.

#### 10.6.3 SAN RF requirements

#### 10.6.4 RRM core requirements

#### 10.6.5 Moderator summary and conclusions

### 10.7 MPR for LTE Intra-band CA with CC gap larger than 35 MHz

#### 10.7.1 General and work plan

[**R4-2302500**](file:///D:\RAN4%23106\Docs\R4-2302500.zip) **Work Plan for MPR Evaluation for PC3 UEs LTE Intra-Band NC CA with Frequency Separation Higher Than 35MHz**

*Type: Work Plan For: Approval  
 Source: Huawei Technologies France*

**Decision:** The document was **not treated**.

#### 10.7.2 MPR requirements

[**R4-2302495**](file:///D:\RAN4%23106\Docs\R4-2302495.zip) **MPR Evaluation for PC3 UEs LTE Intra-Band NC CA with Frequency Separation Higher than 35MHz**

*Type: discussion For: Discussion  
 Source: Huawei Technologies France*

**Decision:** The document was **not treated**.

#### 10.7.3 Identify and specify capability signaling

#### 10.7.4 Moderator summary and conclusions

**[106][149] LTE\_intra\_CA\_MPR\_35MHz\_gap, AI 10.7 – Mohammad Abdi Abyaneh (Huawei)**

[**R4-2302842**](file:///D:\RAN4%23106\Docs\R4-2302842.zip) **Topic summary for [106][149] LTE\_intra\_CA\_MPR\_35MHz\_gap**

*Type: other For: Information  
 Source: Moderator (Huawei)*

**Abstract:**

This contribution provides the summary of email discussion and recommended summary.

**Decision: Return to.**

**Discussions of issues and conclusions**

## 11 Liaison and output to other groups

### 11.1 R17 related

**[150] Topic #1: RAN4 Rel-17 features list**

[**R4-2300819**](file:///D:\RAN4%23106\Docs\R4-2300819.zip) **Updated RAN4 Rel-17 features list**

*Type: other For: Approval  
 Source: CMCC*

**Decision:** The document was **not treated**.

LS

[**R4-2300820**](file:///D:\RAN4%23106\Docs\R4-2300820.zip) **LS on updated Rel-17 RAN4 feature list for NR**

*Type: LS out For: Approval  
 to RAN2, cc RAN1  
 Source: CMCC*

**Decision:** The document was **not treated**.

#### 11.1.1 LS reply for NR\_pos\_enh

#### 11.1.2 On the ue-PowerClassPerBandPerBC-r17(R4 16-8) (R2-2211023)

**[150] Topic #2: On the ue-PowerClassPerBandPerBC-r17(R4 16-8) (R2-2211023)**

[**R4-2300714**](file:///D:\RAN4%23106\Docs\R4-2300714.zip) **Reply LS on per-band per-BC power class**

*Type: other For: Approval  
 Source: Huawei, HiSilicon*

**Decision:** The document was **not treated**.

[**R4-2301173**](file:///D:\RAN4%23106\Docs\R4-2301173.zip) **R17 on per band per BC power class**

*Type: other For: Approval  
 Source: OPPO*

**Decision:** The document was **not treated**.

LS

[**R4-2301110**](file:///D:\RAN4%23106\Docs\R4-2301110.zip) **Reply LS on clarification for ue-PowerClassPerBandPerBC-r17**

*Type: LS out For: Approval  
 to RAN2  
 Source: Samsung*

**Decision:** The document was **not treated**.

[**R4-2301263**](file:///D:\RAN4%23106\Docs\R4-2301263.zip) **Reply LS on clarification for ue-PowerClassPerBandPerBC-r17**

*Type: LS out For: Approval  
 to RAN2  
 Source: ZTE Corporation*

**Decision:** The document was **not treated**.

[**R4-2301595**](file:///D:\RAN4%23106\Docs\R4-2301595.zip) **Draft reply LS on ue-PowerClassPerBandPerBC-r17**

*Type: LS out For: Approval  
 to RAN2  
 Source: MediaTek Inc.*

**Decision:** The document was **not treated**.

#### 11.1.3 On support of per FR PRS gap (R2-2213350)

#### 11.1.4 On new contiguous BW classes for legacy networks (R2-2213312)

**[150] Topic #3: On new contiguous BW classes for legacy networks (R2-2213312)**

[**R4-2300430**](file:///D:\RAN4%23106\Docs\R4-2300430.zip) **Reply LS to RAN2 on new contiguous BW classes for legacy networks**

*Type: other For: Approval  
 Source: Nokia*

**Decision:** The document was **not treated**.

[**R4-2301626**](file:///D:\RAN4%23106\Docs\R4-2301626.zip) **Discussion on the request of FR2 new CA BW classes**

*Type: discussion For: Discussion  
 Source: Xiaomi*

**Decision:** The document was **not treated**.

[**R4-2301925**](file:///D:\RAN4%23106\Docs\R4-2301925.zip) **Discussion on fallback ambiguitiy for CA\_46O/N/M**

*Type: other For: Approval  
 Source: Qualcomm Incorporated*

**Decision:** The document was **not treated**.

[**R4-2302730**](file:///D:\RAN4%23106\Docs\R4-2302730.zip) **Views on potential issue for Fallback Group requirement**

*Type: other For: Approval  
 Source: Apple*

**Decision:** The document was **not treated**.

LS

[**R4-2302729**](file:///D:\RAN4%23106\Docs\R4-2302729.zip) **Draft Reply LS on potential issue for Fallback Group requirement**

*Type: LS out For: Approval  
 to RAN2  
 Source: Apple*

**Decision:** The document was **not treated**.

Draft CR/CR

[**R4-2300431**](file:///D:\RAN4%23106\Docs\R4-2300431.zip) **CR 38.101-1: Correction to FBG3 CA configurations**

*Type: draftCR For: Agreement  
 38.101-1 v16.14.0 CR- rev Cat: (Rel-16)  
  
 Source: Nokia*

**Decision:** The document was **not treated**.

[**R4-2301627**](file:///D:\RAN4%23106\Docs\R4-2301627.zip) **CR for Rel-17 38.101-2 to correct the notation for FBG5 CA BW class**

*Type: CR For: Approval  
 38.101-2 v17.8.0 CR-0578 rev Cat: F (Rel-17)  
  
 Source: Xiaomi*

**Decision:** The document was **not treated**.

[**R4-2301628**](file:///D:\RAN4%23106\Docs\R4-2301628.zip) **CR for Rel-18 38.101-2 to correct the notation for FBG5 CA BW class**

*Type: CR For: Approval  
 38.101-2 v18.0.0 CR-0579 rev Cat: A (Rel-18)  
  
 Source: Xiaomi*

**Decision:** The document was **not treated**.

#### 11.1.5 Others

### 11.2 R15, R16 related

#### 11.2.1 Lower humidity limit in normal temperature test environment (R5-221604)

**[150] Topic #4: Lower humidity limit in normal temperature test environment (R5-221604)**

[**R4-2301582**](file:///D:\RAN4%23106\Docs\R4-2301582.zip) **On humidity limit inconsistency**

*Type: discussion For: Discussion  
 Source: Huawei, HiSilicon*

**Decision:** The document was **not treated**.

[**R4-2302573**](file:///D:\RAN4%23106\Docs\R4-2302573.zip) **Discussion on the relative humidity limit**

*Type: discussion For: Agreement  
 Source: ZTE Corporation*

**Decision:** The document was **not treated**.

[**R4-2302574**](file:///D:\RAN4%23106\Docs\R4-2302574.zip) **Draft Reply LS on lower humidity limit in normal temperature test environment**

*Type: response For: Approval  
 Source: ZTE Corporation*

**Decision:** The document was **not treated**.

LS

[**R4-2302503**](file:///D:\RAN4%23106\Docs\R4-2302503.zip) **Reply LS on humidity inconsistency among specifications**

*Type: LS out For: Approval  
 to RAN5  
 Source: Samsung, LG Electronics, Nokia, KDDI, SK Telecom, KT Corp.*

**Decision:** The document was **not treated**.

CR for 38.101-1

[**R4-2302504**](file:///D:\RAN4%23106\Docs\R4-2302504.zip) **CR to TS 38.101-1 on humidity condition for normal temperature**

*Type: CR For: Agreement  
 38.101-1 v15.20.0 CR-1433 rev Cat: F (Rel-15)  
  
 Source: Samsung*

**Decision:** The document was **not treated**.

[**R4-2302506**](file:///D:\RAN4%23106\Docs\R4-2302506.zip) **CR to TS 38.101-1 on humidity condition for normal temperature**

*Type: CR For: Agreement  
 38.101-1 v16.14.0 CR-1434 rev Cat: A (Rel-16)  
  
 Source: Samsung*

**Decision:** The document was **not treated**.

[**R4-2302508**](file:///D:\RAN4%23106\Docs\R4-2302508.zip) **CR to TS 38.101-1 on humidity condition for normal temperature**

*Type: CR For: Agreement  
 38.101-1 v17.8.0 CR-1435 rev Cat: A (Rel-17)  
  
 Source: Samsung*

**Decision:** The document was **not treated**.

[**R4-2302510**](file:///D:\RAN4%23106\Docs\R4-2302510.zip) **CR to TS 38.101-1 on humidity condition for normal temperature**

*Type: CR For: Agreement  
 38.101-1 v18.0.0 CR-1436 rev Cat: A (Rel-18)  
  
 Source: Samsung*

**Decision:** The document was **not treated**.

CR for 38.101-2

[**R4-2302505**](file:///D:\RAN4%23106\Docs\R4-2302505.zip) **CR to TS 38.101-2 on humidity condition for normal temperature**

*Type: CR For: Agreement  
 38.101-2 v15.20.0 CR-0588 rev Cat: F (Rel-15)  
  
 Source: Samsung*

**Decision:** The document was **not treated**.

[**R4-2302507**](file:///D:\RAN4%23106\Docs\R4-2302507.zip) **CR to TS 38.101-2 on humidity condition for normal temperature**

*Type: CR For: Agreement  
 38.101-2 v16.14.0 CR-0589 rev Cat: A (Rel-16)  
  
 Source: Samsung*

**Decision:** The document was **not treated**.

[**R4-2302509**](file:///D:\RAN4%23106\Docs\R4-2302509.zip) **CR to TS 38.101-2 on humidity condition for normal temperature**

*Type: CR For: Agreement  
 38.101-2 v17.8.0 CR-0590 rev Cat: A (Rel-17)  
  
 Source: Samsung*

**Decision:** The document was **not treated**.

[**R4-2302511**](file:///D:\RAN4%23106\Docs\R4-2302511.zip) **CR to TS 38.101-2 on humidity condition for normal temperature**

*Type: CR For: Agreement  
 38.101-2 v18.0.0 CR-0591 rev Cat: A (Rel-18)  
  
 Source: Samsung*

**Decision:** The document was **not treated**.

#### 11.2.2 On 15dBm output power requirement for NS\_41 (R5-227958)

**[150] Topic #5: On 15dBm output power requirement for NS\_41 (R5-227958)**

LS

[**R4-2302693**](file:///D:\RAN4%23106\Docs\R4-2302693.zip) **Reply LS on 15 dBm output power requirement for NS\_41**

*Type: LS out For: Agreement  
 to RAN5  
 Source: Qualcomm Incorporated*

**Decision:** The document was **not treated**.

CR for 36.101

[**R4-2302694**](file:///D:\RAN4%23106\Docs\R4-2302694.zip) **Output power for NS\_38, NS\_40, and NS\_41**

*Type: CR For: Agreement  
 36.101 v15.20.0 CR-5933 rev Cat: F (Rel-15)  
  
 Source: Qualcomm Incorporated*

**Decision:** The document was **not treated**.

[**R4-2302695**](file:///D:\RAN4%23106\Docs\R4-2302695.zip) **Output power for NS\_38, NS\_40, and NS\_41**

*Type: CR For: Agreement  
 36.101 v16.15.0 CR-5934 rev Cat: A (Rel-16)  
  
 Source: Qualcomm Incorporated*

**Decision:** The document was **not treated**.

[**R4-2302696**](file:///D:\RAN4%23106\Docs\R4-2302696.zip) **Output power for NS\_38, NS\_40, and NS\_41**

*Type: CR For: Agreement  
 36.101 v17.8.0 CR-5935 rev Cat: A (Rel-17)  
  
 Source: Qualcomm Incorporated*

**Decision:** The document was **not treated**.

[**R4-2302697**](file:///D:\RAN4%23106\Docs\R4-2302697.zip) **Output power for NS\_38, NS\_40, and NS\_41**

*Type: CR For: Agreement  
 36.101 v18.0.0 CR-5936 rev Cat: A (Rel-18)  
  
 Source: Qualcomm Incorporated*

**Decision:** The document was **not treated**.

CR for 38.101-1

[**R4-2302698**](file:///D:\RAN4%23106\Docs\R4-2302698.zip) **Output power for NS\_38, NS\_40, and NS\_41**

*Type: CR For: Agreement  
 38.101-1 v15.20.0 CR-1456 rev Cat: F (Rel-15)  
  
 Source: Qualcomm Incorporated*

**Decision:** The document was **not treated**.

[**R4-2302699**](file:///D:\RAN4%23106\Docs\R4-2302699.zip) **Output power for NS\_38, NS\_40, and NS\_41**

*Type: CR For: Agreement  
 38.101-1 v16.14.0 CR-1457 rev Cat: F (Rel-16)  
  
 Source: Qualcomm Incorporated*

**Decision:** The document was **not treated**.

[**R4-2302700**](file:///D:\RAN4%23106\Docs\R4-2302700.zip) **Output power for NS\_38, NS\_40, and NS\_41**

*Type: CR For: Agreement  
 38.101-1 v17.8.0 CR-1458 rev Cat: F (Rel-17)  
  
 Source: Qualcomm Incorporated*

**Decision:** The document was **not treated**.

[**R4-2302701**](file:///D:\RAN4%23106\Docs\R4-2302701.zip) **Output power for NS\_38, NS\_40, and NS\_41**

*Type: CR For: Agreement  
 38.101-1 v18.0.0 CR-1459 rev Cat: F (Rel-18)  
  
 Source: Qualcomm Incorporated*

**Decision:** The document was **not treated**.

#### 11.2.3 Others

**[150] Topic #6: Impact of SRS antenna switching for TDD-FDD band combinations**

[**R4-2302376**](file:///D:\RAN4%23106\Docs\R4-2302376.zip) **Clarification on impact of SRS antenna switching for TDD-FDD band combinations**

*Type: other For: Approval  
 Source: Huawei, HiSilicon*

**Decision:** The document was **not treated**.

LS

[**R4-2302377**](file:///D:\RAN4%23106\Docs\R4-2302377.zip) **draft LS on clarification on impact of SRS antenna switching for TDD-FDD band combinations**

*Type: LS out For: Approval  
 to RAN1, cc RAN2  
 Source: Huawei, HiSilicon*

**Decision:** The document was **not treated**.

### 11.3 Moderator summary and conclusions

**[106][150] NR\_reply\_LS\_UE\_RF, AI 11 – Steven Chen (Apple)**

[**R4-2302843**](file:///D:\RAN4%23106\Docs\R4-2302843.zip) **Topic summary for [106][150] NR\_reply\_LS\_UE\_RF**

*Type: other For: Information  
 Source: Moderator (Apple)*

**Abstract:**

This contribution provides the summary of email discussion and recommended summary.

**Decision: Return to.**

**Discussions of issues and conclusions**

## 12 RAN task

### 12.1 BWP without restriction

### 12.2 Study of 2Rx exception for U6GHz

**[151] Topic #1: 2Rx Exception Study**

[**R4-2300306**](file:///D:\RAN4%23106\Docs\R4-2300306.zip) **2RX exception for the 6GHz band**

*Type: discussion For: Discussion  
 Source: Apple*

**Decision:** The document was **not treated**.

### 12.3 Inconsistency issue for intra-band EN-DC band combinations

**[151] Topic #2: Inconsistency issue for intra-band EN-DC band combinations**

[**R4-2300754**](file:///D:\RAN4%23106\Docs\R4-2300754.zip) **The inconsistency issue for intra-band EN-DC band combinations**

*Type: other For: Approval  
 Source: Ericsson*

**Abstract:**

In this contribution we propose a resolution of the inconsistency issue with minimal impact on existing specifications

**Decision:** The document was **not treated**.

[**R4-2301590**](file:///D:\RAN4%23106\Docs\R4-2301590.zip) **Further discussion on intra-band ENDC support capability**

*Type: discussion For: Decision  
 Source: MediaTek Inc.*

**Decision:** The document was **not treated**.

[**R4-2301629**](file:///D:\RAN4%23106\Docs\R4-2301629.zip) **Discussion on intrabandENDC-Support**

*Type: discussion For: Discussion  
 Source: Xiaomi*

**Decision:** The document was **not treated**.

[**R4-2302067**](file:///D:\RAN4%23106\Docs\R4-2302067.zip) **Discussion on Intra-Band EN-DC band combinations**

*Type: discussion For: Approval  
 Source: Google Inc.*

**Decision:** The document was **not treated**.

[**R4-2302482**](file:///D:\RAN4%23106\Docs\R4-2302482.zip) **On Inconsistency issue for intra-band EN-DC band combinations**

*Type: other For: Approval  
 Source: Huawei Technologies France*

**Decision:** The document was **not treated**.

[**R4-2302567**](file:///D:\RAN4%23106\Docs\R4-2302567.zip) **Discussion on intra-band EN-DC band combination support**

*Type: discussion For: Agreement  
 Source: ZTE Corporation*

**Decision:** The document was **not treated**.

LS

[**R4-2302568**](file:///D:\RAN4%23106\Docs\R4-2302568.zip) **Draft LS on intra-band EN-DC band combination support**

*Type: LS out For: Approval  
 to RAN2  
 Source: ZTE Corporation*

**Decision:** The document was **not treated**.

38.101-3 CRs

[**R4-2300379**](file:///D:\RAN4%23106\Docs\R4-2300379.zip) **CR to 38.101-3 for corrections on intra-band EN-DC configurations**

*Type: CR For: Agreement  
 38.101-3 v16.14.0 CR-0817 rev Cat: F (Rel-16)  
  
 Source: Apple*

**Decision:** The document was **not treated**.

[**R4-2300380**](file:///D:\RAN4%23106\Docs\R4-2300380.zip) **CR to 38.101-3 for corrections on intra-band EN-DC configurations**

*Type: CR For: Agreement  
 38.101-3 v17.8.0 CR-0818 rev Cat: A (Rel-17)  
  
 Source: Apple*

**Decision:** The document was **not treated**.

[**R4-2300381**](file:///D:\RAN4%23106\Docs\R4-2300381.zip) **CR to 38.101-3 for corrections on intra-band EN-DC configurations**

*Type: CR For: Agreement  
 38.101-3 v18.0.0 CR-0819 rev Cat: A (Rel-18)  
  
 Source: Apple*

**Decision:** The document was **not treated**.

[**R4-2301591**](file:///D:\RAN4%23106\Docs\R4-2301591.zip) **CR to TS 38.101-3 on intra-band ENDC support**

*Type: CR For: Approval  
 38.101-3 v16.14.0 CR-0863 rev Cat: F (Rel-16)  
  
 Source: MediaTek Inc.*

**Decision:** The document was **revised to** [**R4-2302542**](file:///D:\RAN4%23106\Docs\R4-2302542.zip).

[**R4-2302542**](file:///D:\RAN4%23106\Docs\R4-2302542.zip) **CR to TS 38.101-3 on intra-band ENDC support**

*Type: CR For: Approval  
 38.101-3 v16.14.0 CR-0863 rev 1 Cat: F (Rel-16)  
  
 Source: MediaTek Inc.*

(Replaces [R4-2301591](file:///D:\RAN4%23106\Docs\R4-2301591.zip))

**Decision:** The document was **not treated**.

[**R4-2301592**](file:///D:\RAN4%23106\Docs\R4-2301592.zip) **CR to TS 38.101-3 on intra-band ENDC support**

*Type: CR For: Approval  
 38.101-3 v17.8.0 CR-0864 rev Cat: A (Rel-17)  
  
 Source: MediaTek Inc.*

**Decision:** The document was **not treated**.

[**R4-2301630**](file:///D:\RAN4%23106\Docs\R4-2301630.zip) **CR for 38.101-3 Rel-16 to delete the invalid cases and modify some intra-band ENDC**

*Type: CR For: Approval  
 38.101-3 v16.14.0 CR-0865 rev Cat: F (Rel-16)  
  
 Source: Xiaomi*

**Decision:** The document was **not treated**.

[**R4-2301631**](file:///D:\RAN4%23106\Docs\R4-2301631.zip) **CR for 38.101-3 Rel-17 to delete the invalid cases and modify some intra-band ENDC**

*Type: CR For: Approval  
 38.101-3 v17.8.0 CR-0866 rev Cat: A (Rel-17)  
  
 Source: Xiaomi*

**Decision:** The document was **not treated**.

[**R4-2301632**](file:///D:\RAN4%23106\Docs\R4-2301632.zip) **CR for 38.101-3 Rel-18 to delete the invalid cases and modify some intra-band ENDC**

*Type: CR For: Approval  
 38.101-3 v18.0.0 CR-0867 rev Cat: A (Rel-18)  
  
 Source: Xiaomi*

**Decision:** The document was **not treated**.

[**R4-2302085**](file:///D:\RAN4%23106\Docs\R4-2302085.zip) **CR to 38.101-3 Rel-16 intra-band EN-DC band combination for Case 3 and Case 4 configuration**

*Type: CR For: (not specified)  
 38.101-3 v16.14.0 CR-0874 rev Cat: F (Rel-16)  
  
 Source: Google Inc.*

**Decision:** The document was **not treated**.

[**R4-2302112**](file:///D:\RAN4%23106\Docs\R4-2302112.zip) **CR to 38.101-3 Rel-17 intra-band EN-DC band combination for Case 3 and Case 4 configuration**

*Type: CR For: (not specified)  
 38.101-3 v17.8.0 CR-0875 rev Cat: A (Rel-17)  
  
 Source: Google Inc.*

**Decision:** The document was **not treated**.

[**R4-2302139**](file:///D:\RAN4%23106\Docs\R4-2302139.zip) **CR to 38.101-3 Rel-18 intra-band EN-DC band combination for Case 3 and Case 4 configuration**

*Type: CR For: (not specified)  
 38.101-3 v18.0.0 CR-0876 rev Cat: A (Rel-18)  
  
 Source: Google Inc.*

**Decision:** The document was **not treated**.

[**R4-2302560**](file:///D:\RAN4%23106\Docs\R4-2302560.zip) **CR for TS 38.101-3 on intra-band EN-DC band combination support for DC\_(n)41**

*Type: CR For: Agreement  
 38.101-3 v15.20.0 CR-0887 rev Cat: F (Rel-15)  
  
 Source: ZTE Corporation*

**Decision:** The document was **not treated**.

[**R4-2302561**](file:///D:\RAN4%23106\Docs\R4-2302561.zip) **CR for TS 38.101-3 on intra-band EN-DC band combination support for DC\_(n)41 (R16\_CAT\_A)**

*Type: CR For: Agreement  
 38.101-3 v16.14.0 CR-0888 rev Cat: A (Rel-16)  
  
 Source: ZTE Corporation*

**Decision:** The document was **not treated**.

[**R4-2302562**](file:///D:\RAN4%23106\Docs\R4-2302562.zip) **CR for TS 38.101-3 on intra-band EN-DC band combination support for DC\_(n)41 (R17\_CAT\_A)**

*Type: CR For: Agreement  
 38.101-3 v17.8.0 CR-0889 rev Cat: A (Rel-17)  
  
 Source: ZTE Corporation*

**Decision:** The document was **not treated**.

[**R4-2302563**](file:///D:\RAN4%23106\Docs\R4-2302563.zip) **CR for TS 38.101-3 on intra-band EN-DC band combination support for DC\_(n)41 (R18\_CAT\_A)**

*Type: CR For: Agreement  
 38.101-3 v18.0.0 CR-0890 rev Cat: A (Rel-18)  
  
 Source: ZTE Corporation*

**Decision:** The document was **not treated**.

[**R4-2302564**](file:///D:\RAN4%23106\Docs\R4-2302564.zip) **CR for TS 38.101-3 on mixed intra-band contiguous and non-contiguous EN-DC band combination for DC\_(n)48**

*Type: CR For: Agreement  
 38.101-3 v16.14.0 CR-0891 rev Cat: F (Rel-16)  
  
 Source: ZTE Corporation*

**Decision:** The document was **not treated**.

[**R4-2302565**](file:///D:\RAN4%23106\Docs\R4-2302565.zip) **CR for TS 38.101-3 on mixed intra-band contiguous and non-contiguous EN-DC band combination for DC\_(n)48 (R17\_CAT\_A)**

*Type: CR For: Agreement  
 38.101-3 v17.8.0 CR-0892 rev Cat: A (Rel-17)  
  
 Source: ZTE Corporation*

**Decision:** The document was **not treated**.

[**R4-2302566**](file:///D:\RAN4%23106\Docs\R4-2302566.zip) **CR for TS 38.101-3 on mixed intra-band contiguous and non-contiguous EN-DC band combination for DC\_(n)48 (R18\_CAT\_A)**

*Type: CR For: Agreement  
 38.101-3 v18.0.0 CR-0893 rev Cat: A (Rel-18)  
  
 Source: ZTE Corporation*

**Decision:** The document was **not treated**.

### 12.4 CRs for Canada and US band n77

**[151] Topic #3: CRs for Canada band n77**

CR

[**R4-2300755**](file:///D:\RAN4%23106\Docs\R4-2300755.zip) **Corrections to the specification of network signaling value NS\_57**

*Type: CR For: Agreement  
 38.101-1 v17.8.0 CR-1337 rev Cat: F (Rel-17)  
  
 Source: Ericsson*

**Abstract:**

CR to clarify the CA\_NS indication and remaing cases for NS\_57

**Decision:** The document was **not treated**.

[**R4-2300756**](file:///D:\RAN4%23106\Docs\R4-2300756.zip) **Clarification of the CA\_NS indication and NS values for n77 in Canada [n77 Canada]**

*Type: CR For: Agreement  
 38.101-1 v18.0.0 CR-1338 rev Cat: A (Rel-18)  
  
 Source: Ericsson*

**Abstract:**

CR to clarify the CA\_NS indication and remaing cases for NS\_57

**Decision:** The document was **not treated**.

### 12.5 Moderator summary and conclusions

**[106][151] RAN\_task\_UERF, AI 12 – Ronald Borsato (AT&T)**

[**R4-2302844**](file:///D:\RAN4%23106\Docs\R4-2302844.zip) **Topic summary for [106][151] RAN\_task\_UERF**

*Type: other For: Information  
 Source: Moderator (AT&T)*

**Abstract:**

This contribution provides the summary of email discussion and recommended summary.

**Decision: Return to.**

**Discussions of issues and conclusions**

## 13 Revision of the Work Plan

This agenda item is categorized for [106][100] Main Session.

[**R4-2300166**](file:///D:\RAN4%23106\Docs\R4-2300166.zip) **Draft new WID on NR power class 2 RedCap (Reduced Capability) UE in FR1**

*Type: WID new For: Information  
 Source: China Telecom, MediaTek*

**Decision:** The document was **not treated**.

[**R4-2300288**](file:///D:\RAN4%23106\Docs\R4-2300288.zip) **Motivation of SID revision for LP-WUS**

*Type: other For: Information  
 38.133 v CR- rev Cat: (Rel-18)  
  
 Source: Apple*

**Decision:** The document was **not treated**.

[**R4-2300289**](file:///D:\RAN4%23106\Docs\R4-2300289.zip) **Motivation of WID revision for R18 eFeRRM**

*Type: other For: Information  
 38.133 v CR- rev Cat: (Rel-18)  
  
 Source: Apple*

**Decision:** The document was **not treated**.

[**R4-2300307**](file:///D:\RAN4%23106\Docs\R4-2300307.zip) **New WID on high-power UE for the FR1 NTN bands**

*Type: WID new For: Information  
 Source: Apple*

**Decision:** The document was **not treated**.

[**R4-2300432**](file:///D:\RAN4%23106\Docs\R4-2300432.zip) **New WID on bands 31 and 72 for New Radio**

*Type: WID new For: Information  
 Source: Nokia*

**Decision:** The document was **not treated**.

[**R4-2300562**](file:///D:\RAN4%23106\Docs\R4-2300562.zip) **New WID: R18 NR inter-band combinations for Low-Low bands**

*Type: WID new For: Information  
 Source: CATT, China Telecom*

**Decision:** The document was **not treated**.

[**R4-2301594**](file:///D:\RAN4%23106\Docs\R4-2301594.zip) **Introduction of a new FDD band (L+S band) for IoT NTN operation**

*Type: WID new For: Information  
 Source: MediaTek Inc.*

**Decision:** The document was **not treated**.

[**R4-2302111**](file:///D:\RAN4%23106\Docs\R4-2302111.zip) **New WID on Introduction of high power UE for satellite access**

*Type: WID new For: Information  
 Source: Huawei, HiSilicon*

**Decision:** The document was **not treated**.

## 14 Any other business

This agenda item is categorized for [106][100] Main Session.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| TDoc | Title | Source | Type | For | Agenda item | TDoc Status | Related WIs |
| [R4-2300500](file:///D:\RAN4%23106\Docs\R4-2300500.zip) | Discussion on new frequency allocation in Japan | Rakuten Mobile, Inc, KDDI Corporation, NTT DOCOMO, INC., Softbank Corp. | discussion | Decision | 14 | available |  |

[**R4-2300500**](file:///D:\RAN4%23106\Docs\R4-2300500.zip) **Discussion on new frequency allocation in Japan**

*Type: discussion For: Decision  
 Source: Rakuten Mobile, Inc, KDDI Corporation, NTT DOCOMO, INC., Softbank Corp.*

**Decision:** The document was **not treated**.

## 15 Close of the E-meeting

BACKUP

**R4-23ABABA Big CR for TS 3x.1xx (Rel-13)**

*Type: CR For: Agreement  
 38.1xx-0y v16.2.0 CR- rev Cat: F (Rel-1x)  
  
 Source: XXXX*

**Decision: Return to.**

**R4-23AAAAA Email discussion summary for [106][10x] x**

*Type: other For: Information  
 Source: Moderator (xxx)*

**Abstract:**

This contribution provides the summary of email discussion and recommended summary.

**Decision: Return to.**

**R4-23AABBA WF on**

*Type: other For: Approval  
 Source: XXXX*

**Abstract:**

*Type: CR For: Agreement  
 38.1xx-0y v16.2.0 CR- rev Cat: F (Rel-1x)*

**Decision: Return to.**