**3GPP TSG-RAN WG4 Meeting #100-e *draft R4-2115878***

**Electronic meeting, August 16-27, 2021**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| *CR-Form-v12.1* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **37.941** | **CR** | **<CR#>** | **rev** |  | **Current version:** | **16.2.0** |  |
|  | | | | | | | | |
| *For* [***HE******LP***](http://www.3gpp.org/3G_Specs/CRs.htm#_blank)*on using this form: comprehensive instructions can be found at* [*http://www.3gpp.org/Change-Requests*](http://www.3gpp.org/Change-Requests)*.* | | | | | | | | |
|  | | | | | | | | |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ***Proposed change affects:*** | UICC apps |  | ME |  | Radio Access Network | **x** | Core Network |  |

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | | | | | | | | | |
| ***Title:*** |  | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | MCC, Huawei | | | | | | | | | |
| ***Source to TSG:*** | R4 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | , NR\_47GHz\_Band-Perf, TEI16 | | | | |  | ***Date:*** | | | 2021-08-31 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | **F** |  | | | | | ***Release:*** | | | Rel-16 |
|  | *Use one of the following categories:* ***F*** *(correction)* ***A*** *(mirror corresponding to a change in an earlier release)* ***B*** *(addition of feature),* ***C*** *(functional modification of feature)* ***D*** *(editorial modification)*  Detailed explanations of the above categories can be found in 3GPP [TR 21.900](http://www.3gpp.org/ftp/Specs/html-info/21900.htm). | | | | | | | | *Use one of the following releases: Rel-8 (Release 8) Rel-9 (Release 9) Rel-10 (Release 10) Rel-11 (Release 11) … Rel-15 (Release 15) Rel-16 (Release 16) Rel-17 (Release 17) Rel-18 (Release 18)* | |
|  |  | | | | | | | | | |
| ***Reason for change:*** | | This big CRs merge the mutile endorsed draf CRs. The reason for change in each endorsed draft CR is copied below.  R4-2113029 Draft CR to 37.941: BS OTA test, FR2 Rx OOB test MU value Math correction (14.2.4, 17)  In RAN4#99e meeting, TS38.141-2 MU table value correction was agreed on FR2 Rx OOB test. (R4-2108501)  This CR is for correction of derivation math described in TR37.941 which calculates FR2 Rx OOB MU value. Corretion is to remove (TestEquipment MU) from math which already included in (EIS MU) because wanted signal MU is already in (EIS MU) and there is no modulated signal interferer for FR2 Rx OOB test. Corrected math is;  RSS of three value (EIS MU, OOB interferer MU, PA MU) and plus (Broadband effect)  + Broadband noise effect  R4-2115653 draft CR to TR 37.941: correction of the FR2 upper frequency (43.5 GHz), Rel-16  It was observed, that for the FR2 MU derivations, the upper frequency range was not captured correctly and does not consider band n259.  R4-2115636 draft CR to TR 37.941: inputs on MU/TT derivation for 47 GHz (band n262), Rel-16  Based on the work in NR\_47GHz\_Band-Perf, MU values for the band n262 (47.2 – 48.2 GHz) are added for TX requirements. The missing MU values for RX requirements are to be added, once agreed (possibly during the August RAN4 meeting).  Due to large number of modifications, the whole TR 37.941 was attached to this CR cover page, in a separate file. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | The summary of change in each each endorsed draft CR is copied below.  R4-2113029 Draft CR to 37.941: BS OTA test, FR2 Rx OOB test MU value Math correction (14.2.4, 17)  In clause “14.2.4 MU value derivation, FR2”, (Test Equipment MU) is removed from derivation math and “Table 14.2.4-1: MU for out-of-band blocking”, then recalculated value 3.6 as MU value.In table 17-4, Rx OOB number updated in summary table for FR2 Rx test.  R4-2115653 draft CR to TR 37.941: correction of the FR2 upper frequency (43.5 GHz), Rel-16  Upper frequency correction (40 GHz –> 43.5 GHz; as per band n259) for the FR2 MU derivations.  R4-2115636 draft CR to TR 37.941: inputs on MU/TT derivation for 47 GHz (band n262), Rel-16  Addition of MU and TT values for the band n262. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Consequences if not approved:*** | | The consequences if not approved for each endorsed draft CR are coppied below.  R4-2113029 Draft CR to 37.941: BS OTA test, FR2 Rx OOB test MU value Math correction (14.2.4, 17)  Without this correction, BS type 2-O out of band blocking test system MU value deveriation remains as incorrect value and information.  R4-2115653 draft CR to TR 37.941: correction of the FR2 upper frequency (43.5 GHz), Rel-16  Incorrect frequency range for the FR2 MU derivations would be captured in the TR.  R4-2115636 draft CR to TR 37.941: inputs on MU/TT derivation for 47 GHz (band n262), Rel-16  Information on the MU derivations for the OTA BS would be incomplete in the TR. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | R4-2113029 Draft CR to 37.941: BS OTA test, FR2 Rx OOB test MU value Math correction (14.2.4, 17)  14.2.4, 17  R4-2115653 draft CR to TR 37.941: correction of the FR2 upper frequency (43.5 GHz), Rel-16  6.3.3, 9.2.3.4, 9.2.7, 9.2.8, 9.3.3.4, 9.3.4, 9.3.5, 9.5.7, 9.6.7, 9.7.7, 9.8.6, 9.9.7, 9.10.2.3, 9.10.3, 9.10.4, 10.2.2.4, 10.2.3.4, 10.2.7, 10.2.8, 11.2.3.4, 11.2.5.4, 11.2.7, 11.2.8, 11.3.3.4, 11.3.3.4, 11.3.7, 11.3.8, 11.4.3.4, 11.4.7, 11.4.8, 12.2.1, 12.2.2.4, 12.2.5, 12.3.3, 17, 18, C.2  R4-2115636 draft CR to TR 37.941: inputs on MU/TT derivation for 47 GHz (band n262), Rel-16  9.2.7, 9.2.8, 9.3.4, 9.3.5, 9.5.7, 9.6.7, 9.7.7, 9.8.6, 9.9.7, 9.10.3, 9.10.4, 11.2.7, 11.2.8, 11.3.7, 11.3.8, 11.4.7, 11.4.8, 17, 18 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **Y** | **N** |  | | | |  | | |
| ***Other specs*** | |  | **x** | Other core specifications | | | |  | | |
| ***affected:*** | |  | **x** | Test specifications | | | |  | | |
| ***(show related CRs)*** | |  | **x** | O&M Specifications | | | |  | | |
|  | |  | | | | | | | | |
| ***Other comments:*** | |  | | | | | | | | |
|  | |  | | | | | | | | |
| ***This CR's revision history:*** | |  | | | | | | | | |