**3GPP TSG- Meeting # *rev1\_***

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| *CR-Form-v12.3* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  |  | **CR** |  | **rev** | 1 | **Current version:** |  |  |
|  | | | | | | | | |
| *For* [***HE******LP***](http://www.3gpp.org/3G_Specs/CRs.htm#_blank)*on using this form: comprehensive instructions can be found at* [*http://www.3gpp.org/Change-Requests*](http://www.3gpp.org/Change-Requests)*.* | | | | | | | | |
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| ***Proposed change affects:*** | UICC apps |  | ME | **X** | Radio Access Network |  | Core Network |  |

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| ***Title:*** |  | | | | | | | | | |
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| ***Source to WG:*** |  | | | | | | | | | |
| ***Source to TSG:*** | R4 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** |  | | | | |  | ***Date:*** | | |  |
|  |  | | | |  | |  | | |  |
| ***Category:*** |  |  | | | | | ***Release:*** | | |  |
|  | *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-17 (Release 17) Rel-18 (Release 18) Rel-19 (Release 19)  Rel-20 (Release 20)* | |
|  |  | | | | | | | | | |
| ***Reason for change:*** | | RSD requirements are missing for band n85 3MHz CBW. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | Added 3MHz RSD requirements. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Consequences if not approved:*** | | n85 RSD requirements are incomplete. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 7.3.2 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **Y** | **N** |  | | | |  | | |
| ***Other specs*** | |  | **X** | Other core specifications | | | | TS/TR ... CR ... | | |
| ***affected:*** | | **X** |  | Test specifications | | | | TS 38.521-1 | | |
| ***(show related CRs)*** | |  | **X** | O&M Specifications | | | | TS/TR ... CR ... | | |
|  | |  | | | | | | | | |
| ***Other comments:*** | |  | | | | | | | | |
|  | |  | | | | | | | | |
| ***This CR's revision history:*** | |  | | | | | | | | |

**---Start of changes---**

7.3.2 Reference sensitivity power level

The throughput shall be ≥ 95 % of the maximum throughput of the reference measurement channels as specified in Annexes A.2.2.2, A3.2 and A.3.3 (with one sided dynamic OCNG Pattern OP.1 FDD/TDD for the DL-signal as described in Annex A.5.1.1/A.5.2.1) with parameters specified in Table 7.3.2-1a, Table 7.3.2-1b, Table 7.3.2-1c, Table 7.3.2-1d , Table 7.3.2-2 and Table 7.3.2-2a .

**---Unchanged sections are skipped---**

For power class 2 UEs, certain degradation of the reference sensitivity in Table 7.3.2-1a is allowed. The maximum amount of degradation is specified in Table 7.3.2-1c, and in Table 7.3.2-1d for a UE that indicates *txDiversity-r16* or *txDiversity2Tx-r18* [15].

**Table 7.3.2-1c Reference Sensitivity Degradation from PC3 to PC2 for FDD bands for UE not supporting Tx Diversity**

| **Operating Band** | **3**  **MHz (dB)** | **5**  **MHz (dB)** | **10**  **MHz (dB)** | **15**  **MHz (dB)** | **20**  **MHz (dB)** | **25**  **MHz (dB)** | **30 MHz (dB)** | **35 MHz (dB)** | **40**  **MHz (dB)** | **45 MHz (dB)** | **50**  **MHz (dB)** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| n1 |  | 0 | 0 | 0 | 0 | 0 | 0 | - | 0 | 0 | 0 |
| n2 |  | 0.8 | 0.9 | 1.1 | 1.2 | 1.3 | 2.7 | 2.8 | 3.5 |  |  |
| n3 |  | 0.5 | 0.5 | 0.5 | 0.5 | 0.6 | 0.8 | 1.1 | 1.5 | 2.3 | 2.8 |
| n7 |  | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |  | 2.0 |
| n8 |  | 0.5 | 0.7 | 0.8 | 2.3 | 2.8 | 3.2 | 3.1 |  |  |  |
| n13 |  | 0.8 | 0.9 |  |  |  |  |  |  |  |  |
| n14 |  | 0.6 | 0.8 |  |  |  |  |  |  |  |  |
| n25 |  | 0.8 | 0.8 | 0.9 | 1.1 | 1.3 | 2.7 | 2.8 | 3.5 | 3.7 |  |
| n66 |  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| n71 |  | 0.5 | 0.9 | 0.9 | 2.2 | 2.42  2.53 | 2.52  2.43 | 2.92  3.13 |  |  |  |
| n70 |  | 0 | 0 | 0 | 0 | 0 |  |  |  |  |  |
| n85 | 0.6 | 0.6 | 1.0 | 2.6 |  |  |  |  |  |  |  |
| NOTE 1: The transmitter shall be set to PUMAX as defined in clause 6.2.4  NOTE 2: Applies to UEs that support a maximum uplink BW of 20 MHz in this band.  NOTE 3: Applies to UEs that support optional symmetric UL/DL for this BW. | | | | | | | | | | | |

**Table 7.3.2-1d Reference Sensitivity Degradation from PC3 to PC2** **for** **FDD bands for UE** **supporting Tx Diversity**

| **Operating Band** | **3**  **MHz (dB)** | **5**  **MHz (dB)** | **10**  **MHz (dB)** | **15**  **MHz (dB)** | **20**  **MHz (dB)** | **25**  **MHz (dB)** | **30 MHz (dB)** | **35 MHz (dB)** | **40**  **MHz (dB)** | **45 MHz (dB)** | **50**  **MHz (dB)** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| n1 |  | 0 | 0 | 0 | 0 | 0 | 0 | - | 0 | 0 | 0 |
| n2 |  | 1.2 | 1.2 | 1.3 | 1.2 | 1.2 | 5.8 | 6.0 | 6.5 |  |  |
| n3 |  | 1.4 | 1.5 | 1.5 | 1.5 | 1.6 | 1.7 | 2.8 | 5 | 5.5 | 6.0 |
| n7 |  | 0.9 | 1.0 | 1.0 | 1.0 | 1.1 | 1.1 | 1.1 | 1.1 |  | 5.3 |
| n8 |  | 1.3 | 1.4 | 2.1 | 5.8 | 6.1 | 6.5 | 7.0 |  |  |  |
| n13 |  | 1.2 | 1.3 |  |  |  |  |  |  |  |  |
| n14 |  | 1.1 | 1.3 |  |  |  |  |  |  |  |  |
| n25 |  | 1.5 | 1.5 | 1.6 | 1.6 | 1.7 | 6.0 | 6.2 | 6.7 | 7.1 |  |
| n66 |  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| n71 |  | 1.1 | 1.1 | 1.7 | 5.5 | 5.92  6.93 | 6.22  7.23 | 6.52  7.33 |  |  |  |
| n70 |  | 0 | 0 | 0 | 0 | 0 |  |  |  |  |  |
| n85 | 1.2 | 1.2 | 1.4 | 6.4 |  |  |  |  |  |  |  |
| NOTE 1: The transmitter shall be set to PUMAX as defined in clause 6.2G.4  NOTE 2: Applies to UEs that support a maximum uplink BW of 20 MHz in this band.  NOTE 3: Applies to UEs that support optional symmetric UL/DL for this BW. | | | | | | | | | | | |

**--End of changes---**