**3GPP RAN WG4 Meeting #95-e R4-2008670**

Electronic Meeting**, 25 May – 5 June, 2020**

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| *CR-Form-v12.0* |
| **CHANGE REQUEST** |
|  |
|  | **38.133** | **CR** | **0645** | **rev** | **1** | **Current version:** | **16.3.0** |  |
|  |
| *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)*.* |
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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ***Proposed change affects:*** | UICC apps |  | ME | **X** | Radio Access Network | **X** | Core Network |  |

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|  |
| ***Title:***  | CR on SRS RSRP measurement report mapping |
|  |  |
| ***Source to WG:*** | CATT |
| ***Source to TSG:*** | R4 |
|  |  |
| ***Work item code:*** | NR\_POS-Core |  | ***Date:*** | 2020-05-06 |
|  |  |  |  |  |
| ***Category:*** | **B** |  | ***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 canbe found in 3GPP [TR 21.900](http://www.3gpp.org/ftp/Specs/html-info/21900.htm). | *Use one of the following releases:Rel-8 (Release 8)Rel-9 (Release 9)Rel-10 (Release 10)Rel-11 (Release 11)Rel-12 (Release 12)**Rel-13 (Release 13)Rel-14 (Release 14)Rel-15 (Release 15)Rel-16 (Release 16)* |
|  |  |
| ***Reason for change:*** | SRS RSRP measurement report mapping is missing in 38.133 |
|  |  |
| ***Summary of change:*** | SRS RSRP measurement report mapping is introduced in 38.133 |
|  |  |
| ***Consequences if not approved:*** | SRS RSRP measurement report mapping is missing |
|  |  |
| ***Clauses affected:*** | New section: 13, 13.3, 13.3.1 |
|  |  |
|  | **Y** | **N** |  |  |
| ***Other specs*** |  | **X** |  Other core specifications  | TS/TR ... CR ...  |
| ***affected:*** |  | **X** |  Test specifications | TS/TR ... CR ...  |
| ***(show related CRs)*** |  | **X** |  O&M Specifications | TS/TR ... CR ...  |
|  |  |
| ***Other comments:*** |  |
|  |  |
| ***This CR's revision history:*** |  |

13 Measurement Performance Requirements for NR gNB

13.3 UL SRS RSRP measurement

13.3.1 Report mapping

The reporting range of UL SRS RSRP, as defined in clause 5.2.5 of 38.215 [4], is defined from -156dBm to -31dBm with resolution 1dB.

The mapping of measured quantity is defined in Table 13.3.1-1. The range in the signalling may be larger than the guaranteed accuracy range.

Table 13.3.1-1: UL SRS RSRP report mapping

|  |  |  |
| --- | --- | --- |
| **Reported value** | **Measured quantity value** | **Unit** |
| SRS\_RSRP\_0 | SRS-RSRP<-156 | dBm |
| SRS\_RSRP\_1 | -156≤SRS-RSRP<-155 | dBm |
| SRS\_RSRP\_2 | -155≤SRS-RSRP<-154 | dBm |
| SRS\_RSRP\_3 | -154≤SRS-RSRP<-153 | dBm |
| SRS\_RSRP\_4 | -153≤SRS-RSRP<-152 | dBm |
| SRS\_RSRP\_5 | -152≤SRS-RSRP<-151 | dBm |
| SRS\_RSRP\_6 | -151≤SRS-RSRP<-150 | dBm |
| SRS\_RSRP\_7 | -150≤SRS-RSRP<-149 | dBm |
| SRS\_RSRP\_8 | -149≤SRS-RSRP<-148 | dBm |
| SRS\_RSRP\_9 | -148≤SRS-RSRP<-147 | dBm |
| SRS\_RSRP\_10 | -147≤SRS-RSRP<-146 | dBm |
| SRS\_RSRP\_11 | -146≤SRS-RSRP<-145 | dBm |
| SRS\_RSRP\_12 | -145≤SRS-RSRP<-144 | dBm |
| SRS\_RSRP\_13 | -144≤SRS-RSRP<-143 | dBm |
| SRS\_RSRP\_14 | -143≤SRS-RSRP<-142 | dBm |
| SRS\_RSRP\_15 | -142≤SRS-RSRP<-141 | dBm |
| SRS\_RSRP\_16 | -141≤SRS-RSRP<-140 | dBm |
| SRS\_RSRP\_17 | -140≤SRS-RSRP<-139 | dBm |
| SRS\_RSRP\_18 | -139≤SRS-RSRP<-138 | dBm |
| … | … | … |
| SRS\_RSRP\_111 | -46≤SRS-RSRP<-45 | dBm |
| SRS\_RSRP\_112 | -45≤SRS-RSRP<-44 | dBm |
| SRS\_RSRP\_113 | -44≤SRS-RSRP<-43 | dBm |
| SRS\_RSRP\_114 | -43≤SRS-RSRP<-42 | dBm |
| SRS\_RSRP\_115 | -42≤SRS-RSRP<-41 | dBm |
| SRS\_RSRP\_116 | -41≤SRS-RSRP<-40 | dBm |
| SRS\_RSRP\_117 | -40≤SRS-RSRP<-39 | dBm |
| SRS\_RSRP\_118 | -39≤SRS-RSRP<-38 | dBm |
| SRS\_RSRP\_119 | -38≤SRS-RSRP<-37 | dBm |
| SRS\_RSRP\_120 | -37≤SRS-RSRP<-36 | dBm |
| SRS\_RSRP\_121 | -36≤SRS-RSRP<-35 | dBm |
| SRS\_RSRP\_122 | -35≤SRS-RSRP<-34 | dBm |
| SRS\_RSRP\_123 | -34≤SRS-RSRP<-33 | dBm |
| SRS\_RSRP\_124 | -33≤SRS-RSRP<-32 | dBm |
| SRS\_RSRP\_125 | -32≤SRS-RSRP<-31 | dBm |
| SRS\_RSRP\_126 | -31≤SRS-RSRP | dBm |