**3GPP TSG- Meeting # *rev***

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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:*** |  | | | | | | | | | |
|  |  | | | | | | | | | |
| ***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:*** | | Note in PC2 MPR table for boost suggests MPR values only apply during boost condition. Intent of note was to say that during boost condition a new power class reference value applies.The correct intent is captured in other tables with boost wording | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | Align PC2 MPR table boost notes with that of PC3 | | | | | | | | |
|  | |  | | | | | | | | |
| ***Consequences if not approved:*** | | Specification retains error | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 6.2, 6.2D | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **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:*** | |  | | | | | | | | |

\*\*\*Start Change\*\*\*\*

Table 6.2.2-1 Maximum power reduction (MPR) for power class 3

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Modulation | | MPR (dB) | | |
|  | | Edge RB allocations | Outer RB allocations | Inner RB allocations |
| DFT-s-OFDM | Pi/2 BPSK | ≤ 3.51 | ≤ 1.21 | ≤ 0.21 |
|  |  | ≤ 0.52,3 | ≤ 0.52 | 02,4 |
|  | Pi/2 BPSK w Pi/2 BPSK DMRS | ≤ 0.52,3 | 02 | 02,4 |
|  | QPSK | ≤ 1 | | 05 |
|  | 16 QAM | ≤ 2 | | ≤ 1 |
|  | 64 QAM | ≤ 2.5 | | |
|  | 256 QAM | ≤ 4.5 | | |
| CP-OFDM | QPSK | ≤ 3 | | ≤ 1.5 |
|  | 16 QAM | ≤ 3 | | ≤ 2 |
|  | 64 QAM | ≤ 3.5 | | |
|  | 256 QAM | ≤ 6.5 | | |
| NOTE 1: Applicable for UE operating in TDD mode with Pi/2 BPSK modulation and UE indicates support for UE capability *powerBoosting-pi2BPSK* and if the IE *powerBoostPi2BPSK* is set to 1 and 40 % or less slots in radio frame are used for UL transmission for bands n40, n41, n77, n78 and n79. The reference power of 0 dB MPR is 26 dBm.  NOTE 2: Applicable for conditions where note 1 does not apply.  NOTE 3: For 3 MHz channel bandwidth the Pi/2 BPSK edge allocation MPR is 1 dB  NOTE 4: For a UE indicating support for UE capability *powerBoosting-pi2BPSK-QPSK-r18* or *powerBoosting-pi2BPSK-QPSK-Modified-r18* and if the IE *powerBoostPi2BPSK-r18* is set to 1, the reference power is increased by [ΔPPowerBoost - ΔPPowerClass]  NOTE 5: For a UE indicating support for UE capability *powerBoosting-pi2BPSK-QPSK-r18* or *powerBoosting-pi2BPSK-QPSK-Modified-r18* and if the IE *powerBoostQPSK-r18* is set to 1, the reference power is increased by [ΔPPowerBoost - ΔPPowerClass] | | | | |

Table 6.2.2-2 Maximum power reduction (MPR) for power class 2

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Modulation | | MPR (dB) | | |
|  | | Edge RB allocations | Outer RB allocations | Inner RB allocations |
| DFT-s-OFDM | Pi/2 BPSK | ≤ 3.5 | ≤ 0.5 | 01 |
|  | QPSK | ≤ 3.5 | ≤ 1 | 02 |
|  | 16 QAM | ≤ 3.5 | ≤ 2 | ≤ 1 |
|  | 64 QAM | ≤ 3.5 | ≤ 2.5 | |
|  | 256 QAM | ≤ 4.5 | | |
| CP-OFDM | QPSK | ≤ 3.5 | ≤ 3 | ≤ 1.5 |
|  | 16 QAM | ≤ 3.5 | ≤ 3 | ≤ 2 |
|  | 64 QAM | ≤ 3.5 | | |
|  | 256 QAM | ≤ 6.5 | | |
| NOTE 1: For a UE indicating support for UE capability *powerBoosting-pi2BPSK-QPSK-r18* or *powerBoosting-pi2BPSK-QPSK-Modified-r18* and if the IE *powerBoostPi2BPSK-r18* is set to 1, the reference power is increased by [ΔPPowerBoost - ΔPPowerClass]  NOTE 2: For a UE indicating support for UE capability *powerBoosting-pi2BPSK-QPSK-r18* or *powerBoosting-pi2BPSK-QPSK-Modified-r18* and if the IE *powerBoostQPSK-r18* is set to 1, thereference power is increased by [ΔPPowerBoost - ΔPPowerClass] | | | | |

\*\*\*End Change\*\*\*\*