**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 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-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 dBNOTE 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\*\*\*\*