**3GPP TSG-RAN WG4 Meeting #112**

**Maastricht, Netherlands, 19 – 23 August, 2024**

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| *CR-Form-v12.3* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  |  | **CR** | **003****8** | **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:*** | (IoT\_NTN\_FDD\_LS\_band) (Rel-18) | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | MediaTek Inc. | | | | | | | | | |
| ***Source to TSG:*** |  | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | IoT\_NTN\_FDD\_LS\_band | | | | |  | ***Date:*** | | |  |
|  |  | | | |  | |  | | |  |
| ***Category:*** | **F** |  | | | | | ***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:*** | | 1. In TS 36.102 Table 6.5A.4.4.5-1, the table name should be updated to be applicable for both NS\_04N and NS\_05N. The changes follow NR NTN format for good alignment between TS 36.102 and TS 38.101-5. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | 1. In TS 36.102 Table 6.5A.4.4.5-1, the table name is updated as “Additional out-of-band requirements are for the NS\_04N and NS\_05N”. 2. In subclause, 6.5A.4.4.6, “6.5A.4.4.5-1” should be replaced with “Table 6.5A.4.4.5-1” | | | | | | | | |
|  | |  | | | | | | | | |
| ***Consequences if not approved:*** | | The requirement in subclause 6.5A.4.4.5 would be unclear.  The requirement in subclause 6.5A.4.4.6 would be incorrect.  Misaligned format between TS 36.102 and TS 38.101-5. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 6.5A.4.4.5, 6.5A.4.4.6 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **Y** | **N** |  | | | |  | | |
| ***Other specs*** | |  | **X** | Other core specifications | | | | TR 36.764... 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 of the change 1==========================

##### 6.5A.4.4.5 Minimum requirement (network signalled value "NS\_04N" and "NS\_05N")

When "NS\_04N" or "NS\_05N" is indicated in the cell, the power of any UE emission shall not exceed the levels specified in Table 6.5A.4.4.5-1 where BWchannel equals to 1.4MHz. This requirement also applies for the frequency ranges that are less than FOOB (MHz) in Table 6.5A.4.2-1 from the edge of the channel bandwidth.

Table 6.5A.4.4.5-1: Additional out-of-band requirements for "NS\_04N" and "NS\_05N"

|  |  |  |  |
| --- | --- | --- | --- |
| Frequency band  (MHz) | Channel bandwidth / Spectrum emission limit1 (dBm) | Measurement bandwidth | NOTE |
| BWchannel |
| 1559 ≤ f ≤ 1605 | -40 | 1MHz | Averaged over any 2 millisecond active transmission interval |
| 1605 ≤ f ≤ 1610 | -40 + 60/5 (f-1605) | 1MHz |
|  |  |  |  |
| 1628.5 ≤ f ≤ 1631.5 | -30 | 30kHz |  |
| 1631.5 ≤ f ≤ 1636.5 | -30 | 100kHz |  |
| 1636.5 ≤ f ≤ 1646.5 | -30 | 300kHz |  |
| 1646.5 ≤ f ≤ 1666.5 | -30 | 1MHz |  |
| 1666.5 ≤ f ≤ 2200 | -30 | 3MHz |  |
| NOTE: The EIRP requirement in regulation is converted to conducted requirement using a 0dBi antenna. | | | |

====================End of the change 1==========================

====================Start of the change 2==========================

##### 6.5A.4.4.6 Minimum requirement (network signalled value "NS\_05N")

When "NS\_05N" is indicated in the cell, the power of any UE emission shall not exceed the levels specified in Table 6.5A.4.4.5-1 where BWchannel equals to 1.4MHz. This requirement also applies for the frequency ranges that are less than FOOB (MHz) in Table 6.5A.4.2-1 from the edge of the channel bandwidth.

====================End of the change 2==========================