**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 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:*** | 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.
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| ***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”
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| ***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 ...  |
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| ***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==========================