**3GPP TSG-RAN WG4 Meeting #95-e *revision of R4-2006446***

**Electronic Meeting, 25th to 29th May 2020**

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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| *CR-Form-v11.4* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **36.101** | **CR** | **5609** | **rev** |  | **Current version:** | **14.14.0** |  |
|  | | | | | | | | |
| *For* ***HE******LP*** *on using this form: comprehensive instructions can be found at  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:*** | CR for TS 36.101: CR for category NB1 against FCC regulation in standalone mode | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | MediaTek Inc., Qualcomm Incorporate | | | | | | | | | |
| ***Source to TSG:*** | R4 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | TEI14 | | | | |  | ***Date:*** | | | 2020-05-25 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | **F** |  | | | | | ***Release:*** | | | Rel-14 |
|  | *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. | | | | | | | | *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:*** | | For category NB1 and NB2 device for operating bands 2, 5, 12, 17, 25, 26, 66, 71, 85. The lower limit and upper limit of operating bands are 100KHz narrower from both lower and upper band edge defined in Table 5.5-1 to account for the FCC regulations | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | 1. Add change in sub clause 5.5F 2. Modify definition of NS\_04 in sub clause 6.2.4F | | | | | | | | |
|  | |  | | | | | | | | |
| ***Consequences if not approved:*** | | UE cannot pass FCC regulation conformance test | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 5.5F, 6.2.4F | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **Y** | **N** |  | | | |  | | |
| ***Other specs*** | |  | **X** | Other core specifications | | | |  | | |
| ***affected:*** | | **X** |  | Test specifications | | | | TS 36.521 | | |
| ***(show related CRs)*** | |  | **X** | O&M Specifications | | | |  | | |
|  | |  | | | | | | | | |
| ***Other comments:*** | |  | | | | | | | | |

## <<< Start of changed sections>>>

<<< Unchanged Parts Skipped>>>

## 5.5F Operating bands for category NB1 and NB2

Category NB1 and NB2 are designed to operate in the E-UTRA operating bands 1, 2, 3, 5, 8, 11, 12, 13, 17, 18, 19, 20, 21, 25, 26, 28, 31, 66 and 70 which are defined in Table 5.5-1. Category NB1 and NB2 systems operate in HD-FDD duplex mode.

In case UE receives network signaling value NS\_04 on operating bands 2, 5, 12, 17, 25, 26 and 66, the lower limit and upper limit of operating bands are 100KHz narrower from both lower and upper band edge defined in table 5.5-1 to account for the PLMR emission requirement and FCC regulations.

<<< Unchanged Parts Skipped>>>

Table 6.2.4F-1: Additional Maximum Power Reduction (A-MPR) for category NB1 and NB2 UE

|  |  |  |  |
| --- | --- | --- | --- |
| Network Signalling value | Requirements (subclause) | E-UTRA Band | A-MPR (dB) |
| NS\_01 | 6.6.2F.1 | Operating bands defined in 5.5F | N/A |
| NS\_02 | 6.6.2F.2.1 | [1, 2, 3, 5, 8, 11, 12, 13, 17, 18, 19, 20, 21, 25, 26, 28, 66 and 70] | [N/A] |
| NS\_03 | 6.6.2F.2.2 | [1, 2, 3, 5, 8, 11, 12, 13, 17, 18, 19, 20, 21, 25, 26, 28, 66 and 70] | [N/A] |
| NS\_04 | 5.5F | 2, 5, 12, 17, 25, 26, 66 | N/A |

<<< End of changed sections>>>