**3GPP TSG-RAN4 Meeting # 103-e *R4-2211275***

 **Electronic Me**e**ting, 9th – 20th May 2022**

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| --- |
| *CR-Form-v12.2* |
| **CHANGE REQUEST** |
|  |
|  | **37.104** | **CR** | **0968** | **rev** | - | **Current version:** | **17.5.0** |  |
|  |
| *For* [***HELP***](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 |  | Radio Access Network | **x** | Core Network |  |

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|  |
| ***Title:***  | CR on adding B48 for M1/M2/NB1/NB2 |
|  |  |
| ***Source to WG:*** | Ericsson |
| ***Source to TSG:*** | R4 |
|  |  |
| ***Work item code:*** | LTE\_bands\_R17\_M1\_M2\_NB1\_NB2 |  | ***Date:*** | 2022-5-24 |
|  |  |  |  |  |
| ***Category:*** | **B** |  | ***Release:*** | Rel-17 |
|  | *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-16 (Release 16)Rel-17 (Release 17)Rel-18 (Release 18)Rel-19 (Release 19)* |
|  |  |
| ***Reason for change:*** | Adding B48 for NB1/NB2  |
|  |  |
| ***Summary of change:*** | Adding B48 related RF requirments for NB1/NB2  |
|  |  |
| ***Consequences if not approved:*** | Missing B48 support for NB1/NB2  |
|  |  |
| ***Clauses affected:*** | 4.5 |
|  |  |
|  | **Y** | **N** |  |  |
| ***Other specs*** |  | **X** |  Other core specifications  | TS/TR ... CR ...  |
| ***affected:*** | **x** |  |  Test specifications | 37.141 |
| ***(show related CRs)*** |  | **X** |  O&M Specifications | TS/TR ... CR ...  |
|  |  |
| ***Other comments:*** |  |
|  |  |
| ***This CR's revision history:*** |  |

## < start of changes >

## 4.5 Operating bands and Band Categories

## << Unchanged part is omitted>>

Table 4.5-2: Unpaired bands in NR, E-UTRA and UTRA.

| MSR Band number | Supported RATs and Band Numbers | Uplink (UL) BS receive, UE transmit(MHz) | Downlink (DL) BS transmit, UE receive(MHz) | BC | Notes |
| --- | --- | --- | --- | --- | --- |
| NR | E-UTRA | NB-IoT | UTRA |  |
| 33 | - | 33 | - | a) | 1900 – 1920 | 1900 – 1920 | 3 |  |
| 34 | n34 | 34 | - | a) | 2010 – 2025 | 2010 – 2025 | 3 |  |
| 35 | - | 35 | - | b) | 1850 – 1910 | 1850 – 1910 | 3 |  |
| 36 | - | 36 | - | b) | 1930 – 1990 | 1930 – 1990 | 3 |  |
| 37 | - | 37 | - | c) | 1910 – 1930 | 1910 – 1930 | 3 |  |
| 38 | n38 | 38 | - | d) | 2570 – 2620 | 2570 – 2620 | 3 |  |
| 39 | n39 | 39 | - | f) | 1880 – 1920 | 1880 – 1920 | 3 |  |
| 40 | n40 | 40 | - | e) | 2300 – 2400 | 2300 – 2400 | 3 |  |
| 41 | n41 | 41 | X | - | 2496 – 2690 | 2496 – 2690 | 3 | Note 1 |
| 42 | - | 42 | X | - | 3400 – 3600 | 3400 – 3600 | 3 |  |
| 43 | - | 43 | X | - | 3600 – 3800 | 3600 – 3800 | 3 |  |
| 44 | - | 44 | - | - | 703 – 803 | 703 – 803 | 3 |  |
| 45 | - | 45 | - | - | 1447 – 1467 | 1447 – 1467 | 3 |  |
| 48 | n48 | 48 | X | - | 3550 – 3700 | 3550 – 3700 | 3 |  |
| 50 | n50 | 50 | - | - | 1432 – 1517 | 1432 – 1517 | 3 |  |
| 51 | n51 | 51 | - | - | 1427 – 1432 | 1427 – 1432 | 3 |  |
| 52 | - | 52 | - | - | 3300 – 3400 | 3300 – 3400 | 3 |  |
| 53 | n53 | 53 | - | - | 2483.5 – 2495 | 2483.5 – 2495 | 3 |  |
| 77 | n77 | - | - | - | 3300 – 4200 | 3300 – 4200 | 3 |  |
| 78 | n78 | - | - | - | 3300 – 3800 | 3300 – 3800 | 3 |  |
| NOTE 1: Band 41 supports NB-IoT in certain regions. |

E-UTRA is designed to operate for the carrier aggregation bands defined in TS 36.101 [18]. The E-UTRA channel bandwidth BWChannel for a single carrier and the Aggregated Channel Bandwidth BWChannel\_CA for E-UTRA carrier aggregation are specified in Clause 5.6 of TS 36.104 [4].

The NB-IoT channel bandwidth BWChannel is specified in Clause 5.6 of TS 36.104 [4].

The NR BS channel bandwidth and PRB utilization is specified in Clause 5.3 of TS 38.104 [17].

## < end of changes >