**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 |  |

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | | | | | | | | | |
| ***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 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-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 >