**3GPP TSG-RAN WG4 Meeting #90 R4-1900643**

**Athens, GR, 25 Feb - 1 March 2019**

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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| *CR-Form-v11.2* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **38.101-3** | **CR** | Draft | **rev** | **-** | **Current version:** | **16.0.0** |  |
|  | | | | | | | | |
| *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:*** | Introduction of completed SUL band combinations into Rel-16 TS 38.101-3 | | | | | | | | | |
| ***Source to WG:*** | Huawei, HiSilicon | | | | | | | | | |
| ***Source to TSG:*** | R4 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | NR\_SUL\_combos\_R16-Core | | | | |  | | ***Date:*** | | 2018-03-05 |
|  |  | | | |  | | |  | |  |
| ***Category:*** | **B** |  | | | | | | ***Release:*** | | Rel-16 |
|  | *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-12 (Release 12)* *Rel-13 (Release 13) Rel-14 (Release 14) Rel-15 (Release 15) Rel-16 (Release 16)* | |
|  |  | | | | | | | | | |
| ***Reason for change:*** | | Adding NSA SUL band combinations approved at RAN4 #90:  DC\_1\_SUL\_n78-n80  DC\_7\_SUL\_n78-n80  DC\_20\_SUL\_n78-n80  DC\_3\_SUL\_n78-n80  DC\_1-3\_SUL\_n78-n80  DC\_3-7\_SUL\_n78-n80  DC\_8\_SUL\_n78-n80  DC\_3-8\_SUL\_n78-n80  DC\_3-20\_SUL\_n78-n80 | | | | | | | | |
| ***Summary of change:*** | | New NSA SUL band combinations are added. | | | | | | | | |
| ***Consequences if not approved:*** | | New NSA SUL band combinations are missing. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 5.2B.4.2, 5.5B.4.2, 6.2B.1.3, 6.5B.3.3.1, 7.3B.2.3.4, 7.3B.2.3.5.1, 7.3B.3.3.2 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **Y** | **N** |  | | |  | | | |
| ***Other specs*** | |  | **X** | Other core specifications | | | TS/TR ... CR ... | | | |
| ***affected:*** | | **x** |  | Test specifications | | | TS/TR ... CR ... 38.521 | | | |
| ***(show related CRs)*** | |  | **X** | O&M Specifications | | | TS/TR ... CR ... | | | |
|  | |  | | | | | | | | |
| ***Other comments:*** | |  | | | | | | | | |

## **<Start of Changes>**

#### 5.2B.4.2 EN-DC (three bands)

Table 5.2B.4.2-1: Band combinations for inter-band EN-DC within FR1 (three bands)

| EN-DC Band | E-UTRA Band | NR Band | Single UL allowed |
| --- | --- | --- | --- |
| DC\_1-3\_n28 | CA\_1-3 | n28 | No |
| DC\_1-3\_n772 | CA\_1-3 | n77 | DC\_1\_n77, DC\_3\_n77 |
| DC\_1-3\_n782 | CA\_1-3 | n78 | DC\_3\_n78 |
| DC\_1\_n3-n78 | 1 | CA\_n3-n78 | No |
| DC\_1-3\_n792 | CA\_1-3 | n79 | No |
| DC\_1-5\_n782 | CA\_1-5 | n78 | No |
| DC\_1-5\_n79 | CA\_1-5 | n79 | No |
| DC\_1-7\_n282 | CA\_1-7 | n28 | No |
| DC\_1-7\_n78 2 | CA\_1-7 | n78 | No |
| DC\_1-7-7\_n782 | CA\_1-7-7 | n78 | No |
| DC\_1-8\_n782 | CA\_1-8 | n78 | No |
| DC\_1-18\_n772 | CA\_1-18 | n77 | DC\_1\_n77 |
| DC\_1-18\_n782 | CA\_1-18 | n78 | No |
| DC\_1-18\_n79 | CA\_1-18 | n79 | No |
| DC\_1-19\_n772 | CA\_1-19 | n77 | DC\_1\_n77 |
| DC\_1-19\_n782 | CA\_1-19 | n78 | No |
| DC\_1-19\_n792 | CA\_1-19 | n79 | No |
| DC\_1-20\_n283 | CA\_1-20 | n28 | No |
| DC\_1-20\_n782 | CA\_1-20 | n78 | No |
| DC\_1-21\_n772 | CA\_1-21 | n77 | DC\_1\_n77 |
| DC\_1-21\_n782 | CA\_1-21 | n78 | No |
| DC\_1-21\_n792 | CA\_1-21 | n79 | No |
| DC\_1-28\_n772 | CA\_1-28 | n77 | DC\_1\_n77 |
| DC\_1-28\_n782 | CA\_1-28 | n78 | No |
| DC\_1-28\_n79 | CA\_1-28 | n79 | No |
| DC\_1\_n28-n782 | 1 | CA\_n28-n78 | No |
| DC\_1\_n77-n79 | 1 | CA\_n77-n79 | No |
| DC\_1\_n78-n79 | 1 | CA\_n78-n79 | No |
| DC\_1-41\_n77 | CA\_1-41 | n77 | DC\_1\_n77 |
| DC\_1-41\_n78 | CA\_1-41 | n78 | No |
| DC\_1-41\_n79 | CA\_1-41 | n79 | No |
| DC\_1-42\_n77 | CA\_1-42 | n77 | DC\_1\_n77 |
| DC\_1-42\_n78 | CA\_1-42 | n78 | No |
| DC\_1-42\_n79 | CA\_1-42 | n79 | No |
| DC\_1\_SUL\_n78-n802 | 1 | SUL\_n78-n801 | DC\_1A\_n80A |
| DC\_1\_SUL\_n78-n842 | 1 | SUL\_n78-n84 | No |
| DC\_1-SUL\_n79-n84 | 1 | SUL\_n79-n84 | No |
| DC\_2-5\_n66 | CA\_2-5 | n66 | DC\_5\_n66  DC\_2\_n66 |
| DC\_2-7\_n78 | CA\_2-7 | n78 | DC\_2\_n78 |
| DC\_2-12\_n66 | CA\_2-12 | n66 | DC\_2\_n66 |
| DC\_2-30\_n66 | CA\_2-30 | n66 | DC\_2\_n66 |
| DC\_2-(n)71 | CA\_2-71 | n71 | No |
| DC\_2-66\_n71 | CA\_2-66 | n71 | No |
| DC\_3\_n1-n77 | 3 | CA\_n1-n77 | No |
| DC\_3\_n1-n78 | 3 | CA\_n1-n78 | No |
| DC\_3\_n3-n77 | 3 | CA\_n3-n77 | DC\_3\_n3  DC\_3\_n77 |
| DC\_3\_n3-n78 | 3 | CA\_n3-n78 | DC\_3\_n3  DC\_3\_n78 |
| DC\_3-5\_n782 | CA\_3-5 | n78 | DC\_3\_n78 |
| DC\_3-5\_n79 | CA\_3-5 | n79 | No |
| DC\_3-7\_n28 | CA\_3-7 | n28 | No |
| DC\_3-7\_n782 | CA\_3-7 | n78 | DC\_3\_n78 |
| DC\_3-3-7\_n782 | CA\_3-3-7 | n78 | DC\_3\_n78 |
| DC\_3-3-7-7\_n782 | CA\_3-3-7-7 | n78 | DC\_3\_n78 |
| DC\_3-7-7\_n782 | CA\_3-7-7 | n78 | DC\_3\_n78 |
| DC\_3-8\_n78 | CA\_3-8 | n78 | DC\_3\_n78 |
| DC\_3-18\_n77 | CA\_3-18 | n77 | DC\_3\_n77 |
| DC\_3-18\_n78 | CA\_3-18 | n78 | DC\_3\_n78 |
| DC\_3-18\_n79 | CA\_3-18 | n79 | No |
| DC\_3-19\_n772 | CA\_3-19 | n77 | DC\_3\_n77 |
| DC\_3-19\_n782 | CA\_3-19 | n78 | DC\_3\_n78 |
| DC\_3-19\_n792 | CA\_3-19 | n79 | No |
| DC\_3-20\_n282,3 | CA\_3-20 | n28 | No |
| DC\_3-20\_n782 | CA\_3-20 | n78 | DC\_3\_n78 |
| DC\_3-21\_n772 | CA\_3-21 | n77 | DC\_3\_n77 |
| DC\_3-21\_n782 | CA\_3-21 | n78 | DC\_3\_n78 |
| DC\_3-21\_n792 | CA\_3-21 | n79 | No |
| DC\_3-28\_n782 | CA\_3-28 | n78 | DC\_3\_n78 |
| DC\_3\_n28-n782 | 3 | CA\_n28-n78 | DC\_3\_n78 |
| DC\_3-28\_n79 | 3 | CA\_n28-n79 | No |
| DC\_3-38\_n78 | CA\_3-38 | n78 | DC\_3\_n78 |
| DC\_3-41\_n77 | CA\_3-41 | n77 | DC\_3\_n77 |
| DC\_3-41\_n78 | CA\_3-41 | n78 | DC\_3\_n78 |
| DC\_3-41\_n79 | CA\_3-41 | n79 | No |
| DC\_3\_SUL\_n41-n80 | 3 | SUL\_n41-n80 | No |
| DC\_3-42\_n77 | CA\_3-42 | n77 | DC\_3\_n77 |
| DC\_3-42\_n78 | CA\_3-42 | n78 | DC\_3\_n78 |
| DC\_3-42\_n79 | CA\_3-42 | n79 | No |
| DC\_3\_n77-n79 | 3 | CA\_n77-n79 | DC\_3\_n77 |
| DC\_3\_n78-n79 | 3 | CA\_n78-n79 | DC\_3\_n78 |
| DC\_3\_SUL\_n78-n802 | 3 | SUL\_n78-n80 | DC\_3\_n78 |
| DC\_3\_SUL\_n78-n822 | 3 | SUL\_n78-n821 | DC\_3\_n78 |
| DC\_3\_SUL\_n79-n802 | 3 | SUL\_n79-n80 | No |
| DC\_5-7-7\_n78 | CA\_5-7-7 | n78 | No |
| DC\_5-7\_n78 | CA\_5-7 | n78 | No |
| DC\_5-30\_n66 | CA\_5-30 | n66 | DC\_5\_n66 |
| DC\_5-41\_n79 | CA\_5-41 | n79 | No |
| DC\_7-20\_n283 | CA\_7-20 | n28 | No |
| DC\_7-20\_n782 | CA\_7-20 | n78 | No |
| DC\_7-28\_n782 | CA\_7-28 | n78 | No |
| DC\_7\_n28-n782 | 7 | CA\_n28-n78 | No |
| DC\_7-46\_n78 | CA\_7-46 | n78 | No |
| DC\_7-66\_n78 | CA\_7-66 | n78 | No |
| DC\_7\_SUL\_n78-n802 | 7 | SUL\_n78-n801 | No |
| DC\_8-20\_n782 | CA\_8-20 | n78 | No |
| DC\_8\_SUL\_n41-n81 | 8 | SUL\_n41-n81 | DC\_8\_n41 |
| DC\_8\_SUL\_n78-n802 | 8 | SUL\_n78-n801 | No |
| DC\_8\_SUL\_n78-n812 | 8 | SUL\_n78-n81 | No |
| DC\_8\_SUL\_n79-n812 | 8 | SUL\_n79-n81 | No |
| DC\_12-30\_n66 | CA\_12-30 | n66 | No |
| DC\_18-28\_n772 | CA\_18-28 | n77 | No |
| DC\_18-28\_n782 | CA\_18-28 | n78 | No |
| DC\_18-28\_n792 | CA\_18-28 | n79 | No |
| DC\_18-42\_n77 | CA\_18-42 | n77 | No |
| DC\_18-42\_n78 | CA\_18-42 | n78 | No |
| DC\_18-42\_n79 | CA\_18-42 | n79 | No |
| DC\_19-21\_n772 | CA\_19-21 | n77 | No |
| DC\_19-21\_n782 | CA\_19-21 | n78 | No |
| DC\_19-21\_n792 | CA\_19-21 | n79 | No |
| DC\_19-42\_n77 | CA\_19-42 | n77 | No |
| DC\_19-42\_n78 | CA\_19-42 | n78 | No |
| DC\_19-42\_n79 | CA\_19-42 | n79 | No |
| DC\_19\_n77-n79 | 19 | CA\_n77-n79 | No |
| DC\_19\_n78-n79 | 19 | CA\_n78-n79 | No |
| DC\_20\_n8-n75 | 20 | CA\_n8-n75 | DC\_20\_n8 |
| DC\_20\_n28-n753 | 20 | CA\_n28-n75 | No |
| DC\_20\_n28-n782,3 | 20 | CA\_n28-n78 | No |
| DC\_20-38\_n78 | CA\_20-38 | n78 | No |
| DC\_20\_n75-n782 | 20 | CA\_n75-n78 | No |
| DC\_20\_n76-n782 | 20 | CA\_n76-n78 | No |
| DC\_20\_SUL\_n78-n802 | 20 | SUL\_n78-n801 | No |
| DC\_20\_SUL\_n78-n822 | 20 | SUL\_n78-n82 | No |
| DC\_20\_SUL\_n78-n832 | 20 | SUL\_n78-n831 | No |
| DC\_21-42\_n77 | CA\_21-42 | n77 | No |
| DC\_21-42\_n78 | CA\_21-42 | n78 | No |
| DC\_21-42\_n79 | CA\_21-42 | n79 | No |
| DC\_21\_n77-n79 | 21 | CA\_n77-n79 | No |
| DC\_21\_n78-n79 | 21 | CA\_n78-n79 | No |
| DC\_28-42\_n77 | CA\_28-42 | n77 | No |
| DC\_28-42\_n78 | CA\_28-42 | n78 | No |
| DC\_28-42\_n79 | CA\_28-42 | n79 | No |
| DC\_41-42\_n77 | CA\_41-42 | n77 | No |
| DC\_41-42\_n78 | CA\_41-42 | n78 | No |
| DC\_41-42\_n79 | CA\_41-42 | n79 | No |
| DC\_28\_SUL\_n78-n832 | 28 | SUL\_n78-n83 | No |
| DC\_66\_(n)71 | CA\_66-71 | n71 | No |
| DC\_66\_SUL\_n78-n862 | 66 | SUL\_n78-n86 | No |
| NOTE 1: If a UE is configured with both NR UL and NR SUL carriers in a cell, the switching time between NR UL carrier and NR SUL carrier can be up to 140us and placed in SUL resources.  NOTE 2: Applicable for UE supporting inter-band carrier aggregation with mandatory simultaneous Rx/Tx capability  NOTE 3: The frequency range in band n28 is restricted for this band combination to 703-733 MHz for the UL and 758-788 MHz for the DL. | | | |

#### 5.2B.4.3 EN-DC (four bands)

Table 5.2B.4.3-1: Band combinations for inter-band EN-DC within FR1 (four bands)

| EN-DC Band | E-UTRA Band | NR Band | Single UL allowed |
| --- | --- | --- | --- |
| DC\_1-3-5\_n781 | CA\_1-3-5 | n78 | DC\_3\_n78 |
| DC\_1-3-5\_n79 | CA\_1-3-5 | n79 | No |
| DC\_1-3-7\_n28 | CA\_1-3-7 | n28 | No |
| DC\_1-3-7-7\_n781 | CA\_1-3-7-7 | n78 | DC\_3\_n78 |
| DC\_1-3-7\_n781 | CA\_1-3-7 | n78 | DC\_3\_n78 |
| DC\_1-3-8\_n781 | CA\_1-3-8 | n78 | DC\_3\_n78 |
| DC\_1-3-28\_n771 | CA\_1-3-28 | n77 | DC\_1\_n77, DC\_3\_n77 |
| DC\_1-3-28\_n781 | CA\_1-3-28 | n78 | DC\_3\_n78 |
| DC\_1-3\_n28-n781 | CA\_1-3 | CA\_n28-n78 | DC\_3\_n78 |
| DC\_1-3-28\_n791 | CA\_1-3-28 | n79 | No |
| DC\_1-3-18\_n771 | CA\_1-3-18 | n77 | DC\_1\_n77. DC\_3\_n77 |
| DC\_1-3-18\_n781 | CA\_1-3-18 | n78 | DC\_3\_n78 |
| DC\_1-3-18\_n791 | CA\_1-3-18 | n79 | No |
| DC\_1-3-19\_n771 | CA\_1-3-19 | n77 | DC\_1\_n77, DC\_3\_n77 |
| DC\_1-3-19\_n781 | CA\_1-3-19 | n78 | DC\_3\_n78 |
| DC\_1-3-19\_n791 | CA\_1-3-19 | n79 | No |
| DC\_1-3-20\_n282 | CA\_1-3-20 | n28 | No |
| DC\_1-3-20\_n781 | CA\_1-3-20 | n78 | DC\_3\_n78 |
| DC\_1-3-21\_n771 | CA\_1-3-21 | n77 | DC\_1\_n77, DC\_3\_n77 |
| DC\_1-3-21\_n781 | CA\_1-3-21 | n78 | DC\_3\_n78 |
| DC\_1-3-21\_n791 | CA\_1-3-21 | n79 | No |
| DC\_1-3-41\_n77 | CA\_1-3-41 | n77 | DC\_1\_n77, DC\_3\_n77 |
| DC\_1-3-41\_n78 | CA\_1-3-41 | n78 | DC\_3\_n78 |
| DC\_1-3-41\_n79 | CA\_1-3-41 | n79 | No |
| DC\_1-3-42\_n77 | CA\_1-3-42 | n77 | DC\_1\_n77, DC\_3\_n77 |
| DC\_1-3-42\_n78 | CA\_1-3-42 | n78 | DC\_3\_n78 |
| DC\_1-3-42\_n79 | CA\_1-3-42 | n79 | No |
| DC\_1-3\_SUL\_n78-n801 | CA\_1-3 | SUL\_n78-n804 | DC\_3A\_n78A |
| DC\_1-5-7\_n78 | CA\_1-5-7 | n78 | No |
| DC\_1-5-7-7\_n78 | CA\_1-5-7-7 | n78 | No |
| DC\_1-5-41\_n79 | CA\_1-5-41 | n79 | No |
| DC\_1-7-20\_n282 | CA\_1-7-20 | n28 | No |
| DC\_1-7-20\_n781 | CA\_1-7-20 | n78 | No |
| DC\_1-7-28\_n781 | CA\_1-7-28 | n78 | No |
| DC\_1-7\_n28-n781 | CA\_1-7 | CA\_n28-n78 | No |
| DC\_1-8-20\_n781 | CA\_1-8-20 | n78 | No |
| DC\_1-18-28\_n77 | CA\_1-18-28 | n77 | No |
| DC\_1-18-28\_n78 | CA\_1-18-28 | n78 | No |
| DC\_1-18-28\_n791 | CA\_1-18-28 | n79 | No |
| DC\_1-18-42\_n77 | CA\_1-18-42 | n77 | DC\_1\_n77 |
| DC\_1-18-42\_n78 | CA\_1-18-42 | n78 | No |
| DC\_1-18-42\_n79 | CA\_1-18-42 | n79 | No |
| DC\_1-19-42\_n77 | CA\_1-19-42 | n77 | DC\_1\_n77 |
| DC\_1-19-42\_n78 | CA\_1-19-42 | n78 | No |
| DC\_1-19-42\_n79 | CA\_1-19-42 | n79 | No |
| DC\_1-20\_n28-n781,2 | CA\_1-20 | CA\_n28-n78 | No |
| DC\_1-21-28\_n771 | CA\_1-21-28 | n77 | DC\_1\_n77 |
| DC\_1-21-28\_n781 | CA\_1-21-28 | n78 | No |
| DC\_1-21-28\_n791 | CA\_1-21-28 | n79 | No |
| DC\_1-21-42\_n77 | CA\_1-21-42 | n77 | DC\_1\_n77 |
| DC\_1-21-42\_n78 | CA\_1-21-42 | n78 | No |
| DC\_1-21-42\_n79 | CA\_1-21-42 | n79 | No |
| DC\_1-28-42\_n77 | CA\_1-28-42 | n77 | DC\_1\_n77 |
| DC\_1-28-42\_n78 | CA\_1-28-42 | n78 | No |
| DC\_1-28-42\_n79 | CA\_1-28-42 | n79 | No |
| DC\_1-41-42\_n77 | CA\_1-41-42 | n77 | DC\_1\_n77 |
| DC\_1-41-42\_n78 | CA\_1-41-42 | n78 | No |
| DC\_1-41-42-n79 | CA\_1-41-42 | n79 | No |
| DC\_2-66-(n)71 | CA\_2-66-71 | n71 | No3 |
| DC\_3-5-7\_n78 | CA\_3-5-7 | n78 | DC\_3\_n78 |
| DC\_3-5-7-7\_n78 | CA\_3-5-7-7 | n78 | DC\_3\_n78 |
| DC\_3-5-41\_n79 | CA\_3-5-41 | n79 | No |
| DC\_3-7-20\_n282 | CA\_3-7-20 | n28 | No |
| DC\_3-7-20\_n781 | CA\_3-7-20 | n78 | DC\_3\_n78 |
| DC\_3-7-28\_n781 | CA\_3-7-28 | n78 | DC\_3\_n78 |
| DC\_3-7\_n28-n781 | CA\_3-7 | CA\_n28-n78 | DC\_3\_n78 |
| DC\_3-7\_SUL\_n78-n801 | CA\_3-7 | SUL\_n78-n804 | DC\_3A\_n78A |
| DC\_3-8-20\_n781 | CA\_1-8-20 | n78 | DC\_3\_n78 |
| DC\_3-8\_SUL\_n78-n801 | CA\_3-8 | SUL\_n78-n804 | DC\_3A\_n78A |
| DC\_3-18-42\_n77 | CA\_3-18-42 | n77 | DC\_3\_n77 |
| DC\_3-18-42\_n78 | CA\_3-18-42 | n78 | DC\_3\_n78 |
| DC\_3-18-42\_n79 | CA\_3-18-42 | n79 | No |
| DC\_3-19-21\_n771 | CA\_3-19-21 | n77 | DC\_3\_n77 |
| DC\_3-19-21\_n781 | CA\_3-19-21 | n78 | DC\_3\_n78 |
| DC\_3-19-21\_n791 | CA\_3-19-21 | n79 | No |
| DC\_3-19-42\_n77 | CA\_3-19-42 | n77 | DC\_3\_n77 |
| DC\_3-19-42\_n78 | CA\_3-19-42 | n78 | DC\_3\_n78 |
| DC\_3-19-42\_n791 | CA\_3-19-42 | n79 | No |
| DC\_3-20\_n28-n781,2 | CA\_3-20 | CA\_n28-n78 | DC\_3\_n78 |
| DC\_3\_20\_SUL\_n78-n801 | CA\_3\_20 | SUL\_n78-n804 | DC\_3A\_n78A |
| DC\_3-21-42\_n77 | CA\_3-21-42 | n77 | DC\_3\_n77 |
| DC\_3-21-42\_n78 | CA\_3-21-42 | n78 | DC\_3\_n78 |
| DC\_3-21-42\_n79 | CA\_3-21-42 | n79 | No |
| DC\_3-28-42\_n77 | CA\_3-28-42 | n77 | DC\_3\_n77 |
| DC\_3-28-42\_n78 | CA\_3-28-42 | n78 | DC\_3\_n78 |
| DC\_3-28-42\_n79 | CA\_3-28-42 | n79 | No |
| DC\_3-41-42\_n77 | CA\_3-41-42 | n77 | DC\_3\_n77 |
| DC\_3-41-42\_n78 | CA\_3-41-42 | n78 | DC\_3\_n78 |
| DC\_3-41-42\_n79 | CA\_3-41-42 | n79 | No |
| DC\_7-20\_n28-n781,2 | CA\_7-20 | CA\_n28-n78 | No |
| DC\_19-21-42\_n77 | CA\_19-21-42 | n77 | No |
| DC\_19-21-42\_n78 | CA\_19-21-42 | n78 | No |
| DC\_19-21-42\_n79 | CA\_19-21-42 | n79 | No |
| DC\_21-28-42\_n77 | CA\_21-28-42 | n77 | No |
| DC\_21-28-42\_n78 | CA\_21-28-42 | n78 | No |
| DC\_21-28-42\_n79 | CA\_21-28-42 | n79 | No |
| NOTE 1: Applicable for UE supporting inter-band carrier aggregation with mandatory simultaneous Rx/Tx capability  NOTE 2: The frequency range in band n28 is restricted for this band combination to 703-733 MHz for the UL and 758-788 MHz for the DL.  NOTE 3: For UE(s) supporting dynamic power sharing it is mandatory to do dual simultaneous UL. For UE(s) not supporting dynamic power sharing single UL is allowed  NOTE 4: If a UE is configured with both NR UL and NR SUL carriers in a cell, the switching time between NR UL carrier and NR SUL carrier can be up to 140us and placed in SUL resources. | | | |

## **<Next Section>**

#### 5.5B.4.2 Inter-band EN-DC configurations within FR1 (three bands)

Table 5.5B.4.2-1: Inter-band EN-DC configurations within FR1 (three bands)

| EN-DC  configuration | Uplink EN-DC  configuration  (NOTE 1) | E-UTRA configuration | NR configuration |
| --- | --- | --- | --- |
| DC\_1A-3A\_n28A | DC\_1A\_n28A  DC\_3A\_n28A | CA\_1A-3A | n28A |
| DC\_1A-3A\_n77A  DC\_1A-3A\_n77C | DC\_1A\_n77A  DC\_3A\_n77A | CA\_1A-3A | n77A  CA\_n77C |
| DC\_1A-3A\_n78A  DC\_1A-3A\_n78C | DC\_1A\_n78A  DC\_3A\_n78A | CA\_1A-3A | n78A  CA\_n78C |
| DC\_1A-3A\_n79A  DC\_1A-3A\_n79C | DC\_1A\_n79A  DC\_3A\_n79A | CA\_1A-3A | n79A  CA\_n79C |
| DC\_1A-3C\_n78A | DC\_1A\_n78A  DC\_3A\_n78A | CA\_1A-3C | n78A |
| DC\_1A\_n3A-n78A | DC\_1A\_n3A  DC\_1A\_n78A | 1A | CA\_n3A-n78A |
| DC\_1A-5A\_n78A | DC\_1A\_n78A  DC\_5A\_n78A | CA\_1A-5A | n78A |
| DC\_1A-5A\_n79A | DC\_1A\_n79A  DC\_5A\_n79A | CA\_1A-5A | n79A |
| DC\_1A-7A\_n28A | DC\_1A\_n28A  DC\_7A\_n28A | CA\_1A-7A | n28A |
| DC\_1A-7A\_n78A  DC\_1A-7C\_n78A | DC\_1A\_n78A  DC\_7A\_n78A  DC\_7C\_n78A | CA\_1A-7A  CA\_1A-7C | n78A |
| DC\_1A-7A-7A\_n78A | DC\_1A\_n78A  DC\_7A\_n78A | CA\_1A-7A-7A | n78A |
| DC\_1A-8A\_n78A | DC\_1A\_n78A  DC\_8A\_n78A | CA\_1A-8A | n78A |
| DC\_1A-18A\_n77A | DC\_1A\_n77A  DC\_18A\_n77A | CA\_1A-18A | n77A |
| DC\_1A-18A\_n78A | DC\_1A\_n78A  DC\_18A\_n78A | CA\_1A-18A | n78A |
| DC\_1A-18A\_n79A | DC\_1A\_n79A  DC\_18A\_n79A | CA\_1A-18A | n79A |
| DC\_1A-19A\_n77A  DC\_1A-19A\_n77C | DC\_1A\_n77A  DC 19A\_n77A | CA\_1A-19A | n77A  CA\_n77C |
| DC\_1A-19A\_n78A  DC\_1A-19A\_n78C | DC\_1A\_n78A  DC\_19A\_n78A | CA\_1A-19A | n78A  CA\_n78C |
| DC\_1A-19A\_n79A  DC\_1A-19A\_n79C | DC\_1A\_n79A  DC\_19A\_n79A | CA\_1A-19A | n79A  CA\_n79C |
| DC\_1A-19A\_n77A | DC\_1A\_n77A  DC 19A\_n77A | CA\_1A-19A | n77A |
| DC\_1A-19A\_n78A | DC\_1A\_n78A  DC\_19A\_n78A | CA\_1A-19A | n78A |
| DC\_1A-19A\_n79A | DC\_1A\_n79A  DC\_19A\_n79A | CA\_1A-19A | n79A |
| DC\_1A-20A\_n28A | DC\_1A\_n28A  DC\_20A\_n28A | CA\_1A-20A | n28A |
| DC\_1A-20A\_n78A | DC\_1A\_n78A  DC\_20A\_n78A | CA\_1A-20A | n78A |
| DC\_1A-21A\_n77A  DC\_1A-21A\_n77C | DC\_1A\_n77A  DC\_21A\_n77A | CA\_1A-21A | n77A  CA\_n77C |
| DC\_1A-21A\_n78A  DC\_1A-21A\_n78C | DC\_1A\_n78A  DC\_21A\_n78A | CA\_1A-21A | n78A  CA\_n78C |
| DC\_1A-21A\_n79A  DC\_1A-21A\_n79C | DC\_1A\_n79A  DC\_21A\_n79A | CA\_1A-21A | n79A  CA\_n79C |
| DC\_1A-21A\_n77A | DC\_1A\_n77A  DC\_21A\_n77A | CA\_1A-21A | n77A |
| DC\_1A-21A\_n78A | DC\_1A\_n78A  DC\_21A\_n78A | CA\_1A-21A | n78A |
| DC\_1A-21A\_n79A | DC\_1A\_n79A  DC\_21A\_n79A | CA\_1A-21A | n79A |
| DC\_1A-28A\_n77A  DC\_1A-28A\_n77C | DC\_1A\_n77A  DC\_28A\_n77A | CA\_1A-28A | n77A  CA\_n77C |
| DC\_1A-28A\_n78A  DC\_1A-28A\_n78C | DC\_1A\_n78A  DC\_28A\_n78A | CA\_1A-28A | n78A  CA\_n78C |
| DC\_1A-28A\_n79A  DC\_1A-28A\_n79C | DC\_1A\_n79A  DC\_28A\_n79A | CA\_1A-28A | n79A  CA\_n79C |
| DC\_1A\_n28A-n78A | DC\_1A\_n28A,  DC\_1A\_n78A | 1A | CA\_n28A-n78A |
| DC\_1A-41A\_n77A  DC\_1A-41C\_n77A | DC\_1A\_n77A  DC\_41A\_n77A  DC\_41C\_n77A | CA\_1A-41A  CA\_1A-41C | n77A |
| DC\_1A-41A\_n78A  DC\_1A-41C\_n78A | DC\_1A\_n78A  DC\_41A\_n78A  DC\_41C\_n78A | CA\_1A-41A  CA\_1A-41C | n78A |
| DC\_1A-41C\_n79A | DC\_1A\_n79A  DC\_41C\_n79A | CA\_1A-41C | n79A |
| DC\_1A-42A\_n77A  DC\_1A-42A\_n77C | DC\_1A\_n77A | CA\_1A-42A | n77A  CA\_n77C |
| DC\_1A-42A\_n78A  DC\_1A-42A\_n78C | DC\_1A\_n78A | CA\_1A-42A | n78A  CA\_n78C |
| DC\_1A-42A\_n79A  DC\_1A-42A\_n79C | DC\_1A\_n79A | CA\_1A-42A | n79A  CA\_n79C |
| DC\_1A-42C\_n77A  DC\_1A-42C\_n77C | DC\_1A\_n77A | CA\_1A-42C | n77A  CA\_n77C |
| DC\_1A-42C\_n78A  DC\_1A-42C\_n78C | DC\_1A\_n78A | CA\_1A-42C | n78A  CA\_n78C |
| DC\_1A-42C\_n79A  DC\_1A-42C\_n79C | DC\_1A\_n79A | CA\_1A-42C | n79A  CA\_n79C |
| DC\_1A-42D\_n77A  DC\_1A-42D\_n77C | DC\_1A\_n77A | CA\_1A-42D | n77A  CA\_n77C |
| DC\_1A-42D\_n78A  DC\_1A-42D\_n78C | DC\_1A\_n78A | CA\_1A-42D | n78A  CA\_n78C |
| DC\_1A-42D\_n79A  DC\_1A-42D\_n79C | DC\_1A\_n79A | CA\_1A-42D | n79A  CA\_n79C |
| DC\_1A-42E\_n77A  DC\_1A-42E\_n77C | DC\_1A\_n77A | CA\_1A-42E | n77A  CA\_n77C |
| DC\_1A-42E\_n78A  DC\_1A-42E\_n78C | DC\_1A\_n78A | CA\_1A-42E | n78A  CA\_n78C |
| DC\_1A-42E\_n79A  DC\_1A-42E\_n79C | DC\_1A\_n79A | CA\_1A-42E | n79A  CA\_n79C |
| DC\_1A\_n77A-n79A | DC\_1A\_n77A  DC\_1A\_n79A | 1A | CA\_n77A-n79A |
| DC\_1A\_n78A-n79A | DC\_1A\_n78A  DC\_1A\_n79A | 1A | CA\_n78A-n79A |
| DC\_1A\_SUL\_n78A-n80A | DC\_1A\_n78A  DC\_1A\_n80A | 1A | SUL\_n78A-n80A |
| DC\_1A\_SUL\_n78A-n84A | DC\_1A\_n78A,  DC\_1A\_n84A\_ULSUP-TDM\_n78A,  DC\_1A\_n84A\_ULSUP-FDM\_n78A | 1A | SUL\_n78A-n84A |
| DC\_1A\_SUL\_n79A-n84A | DC\_1A\_n79A,  DC\_1A\_n84A\_ULSUP-TDM\_n78A | 1A | SUL\_n79A-n84A |
| DC\_2A-5A\_n66A | DC\_2A\_n66A  DC\_5A\_n66A | CA\_2A-5A | n66A |
| DC\_2A-7A\_n78A  DC\_2A-7C\_n78A | DC\_2A\_n78A  DC\_7A\_n78A  DC\_7C\_n78A | CA\_2A-7A  CA\_2A-7C | n78A |
| DC\_2A-7A-7A\_n78A | DC\_2A\_n78A  DC\_7A\_n78A | CA\_2A-7A-7A | n78A |
| DC\_2A-12A\_n66A | DC\_2A\_n66A  DC\_12A\_n66A | CA\_2A-12A | n66A |
| DC\_2A-30A\_n66A | DC\_2A\_n66A  DC\_30A\_n66A | CA\_2A-30A | n66A |
| DC\_2A-66A\_n71A  DC\_2A-66A\_n71B | DC\_2A\_n71A  DC\_66A\_n71A | CA\_2A-66A | n71A  CA\_n71B |
| DC\_2A-66C\_n71A | DC\_2A\_n71A  DC\_66A\_n71A | CA\_2A-66C | n71A |
| DC\_2A-(n)71AA | DC\_2A\_n71A  DC\_(n)71AA | CA\_2A-71A | n71A |
| DC\_3A\_n1A-n77A | DC\_3A\_n1A  DC\_3A\_n77A | 3A | CA\_n1A-n77A |
| DC\_3A\_n1A-n78A | DC\_3A\_n1A  DC\_3A\_n78A | 3A | CA\_n1A-n78A |
| DC\_3A\_n3A-n77A | DC\_3A\_n77A  DC\_3A\_n3A(2) | 3A | CA\_n3A-n77A |
| DC\_3A\_n3A-n78A | DC\_3A\_n78A  DC\_3A\_n3A(2) | 3A | CA\_n3A-n78A |
| DC\_3A-5A\_n78A | DC\_3A\_n78A  DC\_5A\_n78A | CA\_3A-5A | n78A |
| DC\_3A-5A\_n79A | DC\_3A\_n79A  DC\_5A\_n79A | CA\_3A-5A | n79A |
| DC\_3A-7A-7A\_n78A | DC\_3A\_n78A  DC\_7A\_n78A | CA\_3A-7A-7A | n78A |
| DC\_3A-7A\_n28A | DC\_3A\_n28A  DC\_7A\_n28A | CA\_3A-7A | n28A |
| DC\_3A-7A\_n78A | DC\_3A\_n78A  DC\_7A\_n78A | CA\_3A-7A | n78A |
| DC\_3A-3A-7A\_n78A | DC\_3A\_n78A, DC\_7A\_n78A | CA\_3A-3A-7A | n78A |
| DC\_3A-3A-7A-7A\_n78A | DC\_3A\_n78A, DC\_7A\_n78A | CA\_3A-3A-7A-7A | n78A |
| DC\_3A-7C\_n78A | DC\_3A\_n78A  DC\_7C\_n78A | CA\_3A-7C | n78A |
| DC\_3C-7C\_n78A | DC\_3A\_n78A  DC\_7C\_n78A | CA\_3C-7C | n78A |
| DC\_3C-7A\_n78A | DC\_3A\_n78A  DC\_7A\_n78A | CA\_3C-7A | n78A |
| DC\_3A-8A\_n78A  DC\_3C-8A\_n78A | DC\_3A\_n78A  DC\_8A\_n78A | CA\_3A-8A | n78A |
| DC\_3A-18A\_n77A | DC\_3A\_n77A  DC\_18A\_n77A | CA\_3A-18A | n77 |
| DC\_3A-18A\_n78A | DC\_3A\_n78A  DC\_18A\_n78A | CA\_3A-18A | n78 |
| DC\_3A-18A\_n79A | DC\_3A\_n79A  DC\_18A\_n79A | CA\_3A-18A | n79 |
| DC\_3A-19A\_n77A  DC\_3A-19A\_n77C | DC\_3A\_n77A  DC\_19A\_n77A | CA\_3A-19A | n77A  CA\_n77C |
| DC\_3A-19A\_n78A  DC\_3A-19A\_n78C | DC\_3A\_n78A  DC\_19A\_n78A | CA\_3A-19A | n78A  CA\_n78C |
| DC\_3A-19A\_n79A  DC\_3A-19A\_n79C | DC\_3A\_n79A  DC\_19A\_n79A | CA\_3A-19A | n79A  CA\_n79C |
| DC\_3A-20A\_n28A | DC\_3A\_n28A  DC\_20A\_n28A | CA\_3A-20A | n28A |
| DC\_3A-20A\_n78A | DC\_3A\_n78A  DC\_20A\_n78A | CA\_3A-20A | n78A |
| DC\_3C-20A\_n78A | DC\_3A\_n78A  DC\_20A\_n78A | CA\_3C-20A | n78A |
| DC\_3A-21A\_n77A  DC\_3A-21A\_n77C | DC\_3A\_n77A  DC\_21A\_n77A | CA\_3A-21A | n77A  CA\_n77C |
| DC\_3A-21A\_n78A  DC\_3A-21A\_n78C | DC\_3A\_n78A  DC\_21A\_n78A | CA\_3A-21A | n78A  CA\_n78C |
| DC\_3A-21A\_n79A  DC\_3A-21A\_n79C | DC\_3A\_n79A  DC\_21A\_n79A | CA\_3A-21A | n79A  CA\_n79C |
| DC\_3A-28A\_n77A  DC\_3A-28A\_n77C | DC\_3A\_n77A  DC\_28A\_n77A | CA\_3A-28A | n77A  CA\_n77C |
| DC\_3A-28A\_n78A  DC\_3C-28A\_n78A  DC\_3A-28A\_n78C | DC\_3A\_n78A  DC\_28A\_n78A | CA\_3A-28A  CA\_3C-28A | n78A  CA\_n78C |
| DC\_3A-28A\_n79A  DC\_3A-28A\_n79C | DC\_3A\_n79A  DC\_28A\_n79A | CA\_3A-28A | n79A  CA\_n79C |
| DC\_3A\_n28A-n78A | DC\_3A\_n28A,  DC\_3A\_n78A | 3A | CA\_n28A-n78A |
| DC\_3A-38A\_n78A | DC\_3A\_n78A | CA\_3A-38A | n78A |
| DC\_3A-41A\_n77A  DC\_3A-41C\_n77A | DC\_3A\_n77A  DC\_41A\_n77A | CA\_3A-41A  CA\_3A-41C | n77 |
| DC\_3A-41A\_n78A  DC\_3A-41C\_n78A | DC\_3A\_n78A  DC\_41A\_n78A  DC\_41C\_n78A | CA\_3A-41A  CA\_3A-41C | n78A |
| DC\_3A-41A\_n79A  DC\_3A-41C\_n79A | DC\_3A\_n79A  DC\_41A\_n79A | CA\_3A-41A  CA\_3A-41C | n79A |
| DC\_3A\_SUL\_n41A-n80A | DC\_3A\_n41A  DC\_3A\_n80A\_ULSUP-TDM,  DC\_3A\_n80A\_ULSUP-FDM | 3A | SUL\_n41A-n80A |
| DC\_3C\_SUL\_n41A-n80A | DC\_3C\_n41A  DC\_3C\_n80A\_ULSUP-TDM,  DC\_3C\_n80A\_ULSUP-FDM | 3C | SUL\_n41A-n80A |
| DC\_3A-42A\_n77A  DC\_3A-42A\_n77C | DC\_3A\_n77A | CA\_3A-42A | n77A  CA\_n77C |
| DC\_3A-42A\_n78A  DC\_3A-42A\_n78C | DC\_3A\_n78A | CA\_3A-42A | n78A  CA\_n78C |
| DC\_3A-42A\_n79A  DC\_3A-42A\_n79C | DC\_3A\_n79A | CA\_3A-42A | n79A  CA\_n79C |
| DC\_3A-42C\_n77A  DC\_3A-42C\_n77C | DC\_3A\_n77A | CA\_3A-42C | n77A  CA\_n77C |
| DC\_3A-42C\_n78A  DC\_3A-42C\_n78C | DC\_3A\_n78A | CA\_3A-42C | n78A  CA\_n78C |
| DC\_3A-42C\_n79A  DC\_3A-42C\_n79C | DC\_3A\_n79A | CA\_3A-42C | n79A  CA\_n79C |
| DC\_3A-42D\_n77A  DC\_3A-42D\_n77C | DC\_3A\_n77A | CA\_3A-42D | n77A  CA\_n77C |
| DC\_3A-42D\_n78A  DC\_3A-42D\_n78C | DC\_3A\_n78A | CA\_3A-42D | n78A  CA\_n78C |
| DC\_3A-42D\_n79A  DC\_3A-42D\_n79C | DC\_3A\_n79A | CA\_3A-42D | n79A  CA\_n79C |
| DC\_3A-42E\_n77A  DC\_3A-42E\_n77C | DC\_3A\_n77A | CA\_3A-42E | n77A  CA\_n77C |
| DC\_3A-42E\_n78A  DC\_3A-42E\_n78C | DC\_3A\_n78A | CA\_3A-42E | n78A  CA\_n78C |
| DC\_3A-42E\_n79A  DC\_3A-42E\_n79C | DC\_3A\_n79A | CA\_3A-42E | n79A  CA\_n79C |
| DC\_3A\_n77A-n79A | DC\_3A\_n77A  DC\_3A\_n79A | 3A | CA\_n77A-n79A |
| DC\_3A\_n78A-n79A | DC\_3A\_n78A  DC\_3A\_n79A | 3A | CA\_n78A-n79A |
| DC\_3A\_SUL\_n78A-n80A | DC\_3A\_n78A  DC\_3A\_n80A\_ULSUP-TDM\_n78A  DC\_3A\_n80A\_ULSUP-FDM\_n78A | 3A | SUL\_n78A-n80A |
| DC\_3C\_SUL\_n78A-n80A | DC\_3A\_n78A DC\_3A\_n80A\_ULSUP-TDM\_n78A DC\_3A\_n80A\_ULSUP-FDM\_n78A | 3C | SUL\_n78A-n80A |
| DC\_3A\_SUL\_n78A-n82A | DC\_3A\_n78A  DC\_3A\_n82A | 3A | SUL\_n78A-n82A |
| DC\_3A\_SUL\_n79A-n80A | DC\_3A\_n79A,  DC\_3A\_n80A\_ULSUP-TDM\_n79A,  DC\_3A\_n80A\_ULSUP-FDM\_n79A | 3A | SUL\_n79A-n80A |
| DC\_5A-7A-7A\_n78A | DC\_5A\_n78A  DC\_7A\_n78A | CA\_5A-7A-7A | n78A |
| DC\_5A-7A\_n78A | DC\_5A\_n78A  DC\_7A\_n78A | CA\_5A-7A | n78A |
| DC\_5A-30A\_n66A | DC\_5A\_n66A  DC\_30A\_n66A | CA\_5A-30A | n66A |
| DC\_5A-41A\_n79A | DC\_5A\_n79A  DC\_41A\_n79A | CA\_5A-41A | n79A |
| DC\_7A-20A\_n28A | DC\_7A\_n28A  DC\_20A\_n28A | CA\_7A-20A | n28A |
| DC\_7A-20A\_n78A | DC\_7A\_n78A  DC\_20A\_n78A | CA\_7A-20A | n78A |
| DC\_7A-28A\_n78A | DC\_7A\_n78A  DC\_28A\_n78A | CA\_7A-28A | n78A |
| DC\_7A\_n28A-n78A | DC\_7A\_n28A,  DC\_7A\_n78A | 7A | CA\_n28A-n78A |
| DC\_7C-28A\_n78A | DC\_7C\_n78A  DC\_28A\_n78A | CA\_7C-28A | n78A |
| DC\_7A-46A\_n78A3 | DC\_7A\_n78A | CA\_7A-46A | n78A |
| DC\_7A-46C\_n78A3 | DC\_7A\_n78A | CA\_7A-46C | n78A |
| DC\_7A-46D\_n78A3 | DC\_7A\_n78A | CA\_7A-46D | n78A |
| DC\_7A-46E\_n78A3 | DC\_7A\_n78A | CA\_7A-46E | n78A |
| DC\_7A-66A\_n78A  DC\_7C-66A\_n78A | DC\_7A\_n78A  DC\_7C\_n78A  DC\_66A\_n78A | CA\_7A-66A  CA\_7C-66A | n78A |
| DC\_7A-7A-66A\_n78A | DC\_7A\_n78A  DC\_66A\_n78A | CA\_7A-7A-66A | n78A |
| DC\_7A\_SUL\_n78A-n80A | DC\_7A\_n78A  DC\_7A\_n80A | 7A | SUL\_n78A-n80A |
| DC\_8A-20A\_n78A | DC\_8A\_n78A  DC\_20A\_n78A | CA\_8A-20A | n78A |
| DC\_8A\_SUL\_n41A-n81A | DC\_8A\_41A,  DC\_8A\_n81A\_ULSUP-TDM,  DC\_8A\_n81A\_ULSUP-FDM | 8A | SUL\_n41A-n81A |
| DC\_8A\_SUL\_n78A-n80A | DC\_8A\_n78A  DC\_8A\_n80A | 8A | SUL\_n78A-n80A |
| DC\_8A\_SUL\_n78A-n81A | DC\_8A\_n78A,  DC\_8A\_n81A\_ULSUP-TDM\_n78A,  DC\_8A\_n81A\_ULSUP-FDM\_n78A | 8A | SUL\_n78A-n81A |
| DC\_8A\_SUL\_n79A-n81A | DC\_8A\_n79A,  DC\_8A\_n81A\_ULSUP-TDM\_n79A,  DC\_8A\_n81A\_ULSUP-FDM\_n79A | 8A | SUL\_n79A-n81A |
| DC\_12A-30A\_n66A | DC\_12A\_n66A  DC\_30A\_n66A | CA\_12A-30A | n66A |
| DC\_18A-28A\_n77A | DC\_18A\_n77A  DC\_28A\_n77A | CA\_18A-28A | n77A |
| DC\_18A-28A\_n78A | DC\_18A\_n78A  DC\_28A\_n78A | CA\_18A-28A | n78A |
| DC\_18A-28A\_n79A | DC\_18A\_n79A  DC\_28A\_n79A | CA\_18A-28A | n79A |
| DC\_18A-42A\_n77A  DC\_18A-42C\_n77A | DC\_18A\_n77A | CA\_18A-42A  CA\_18A-42C | n77A |
| DC\_18A-42A\_n78A  DC\_18A-42C\_n78A | DC\_18A\_n78A | CA\_18A-42A  CA\_18A-42C | n78A |
| DC\_18A-42A\_n79A  DC\_18A-42C\_n79A | DC\_18A\_n79A | CA\_18A-42A  CA\_18A-42C | n79A |
| DC\_19A-21A\_n78A  DC\_19A-21A\_n78C | DC\_19A\_n78A  DC\_21A\_n78A | CA\_19A-21A | n78A  CA\_n78C |
| DC\_19A-21A\_n79A  DC\_19A-21A\_n79C | DC\_19A\_n79A  DC\_21A\_n79A | CA\_19A-21A | n79A  CA\_n79C |
| DC\_19A-21A\_n77A  DC\_19A-21A\_n77C | DC\_19A\_n77A  DC\_21A\_n77A | CA\_19A-21A | n77A  CA\_n77C |
| DC\_19A-42A\_n77A  DC\_19A-42A\_n77C | DC\_19A\_n77A | CA\_19A-42A | n77A  CA\_n77C |
| DC\_19A-42A\_n78A  DC\_19A-42A\_n78C | DC\_19A\_n78A | CA\_19A-42A | n78A  CA\_n78C |
| DC\_19A-42A\_n79A  DC\_19A-42A\_n79C | DC\_19A\_n79A | CA\_19A-42A | n79A  CA\_n79C |
| DC\_19A-42C\_n77A  DC\_19A-42C\_n77C | DC\_19A\_n77A | CA\_19A-42C | n77A  CA\_n77C |
| DC\_19A-42C\_n78A  DC\_19A-42C\_n78C | DC\_19A\_n78A | CA\_19A-42C | n78A  CA\_n78C |
| DC\_19A-42C\_n79A  DC\_19A-42C\_n79C | DC\_19A\_n79A | CA\_19A-42C | n79A  CA\_n79C |
| DC\_19A-42D\_n77A  DC\_19A-42D\_n77C | DC\_19A\_n77A | CA\_19A-42D | n77A  CA\_n77C |
| DC\_19A-42D\_n78A  DC\_19A-42D\_n78C | DC\_19A\_n78A | CA\_19A-42D | n78A  CA\_n78C |
| DC\_19A-42D\_n79A  DC\_19A-42D\_n79C | DC\_19A\_n79A | CA\_19A-42D | n79A  CA\_n79C |
| DC\_19A\_n77A-n79A | DC\_19A\_n77A  DC\_19A\_n79A | 19A | CA\_n77A-n79A |
| DC\_19A\_n78A-n79A | DC\_19A\_n78A  DC\_19A\_n79A | 19A | CA\_n78A-n79A |
| DC\_20A\_n8A-n75A | DC\_20A\_n8A | 20A | CA\_n8A-n75A |
| DC\_20A\_n28A-n75A | DC\_20A\_n28A | 20A | CA\_n28A-n75A |
| DC\_20A\_n28A-n78A | DC\_20A\_n28A  DC\_20A\_n78A | 20A | CA\_n28A-n78A |
| DC\_20A-38A\_n78A | DC\_20A\_n78A  DC\_38A\_n78A | CA\_20A-38A | n78A |
| DC\_20A\_n75A-n78A | DC\_20A\_n78A | 20A | CA\_n75A-n78A |
| DC\_20A\_n76A-n78A | DC\_20A\_n78A | 20A | CA\_n76A-n78A |
| DC\_20A\_SUL\_n78A-n80A | DC\_20A\_n78A  DC\_20A\_n80A | 20A | SUL\_n78A-n80A |
| DC\_20A\_SUL\_n78A-n82A | DC\_20A\_n78A,  DC\_20A\_n82A\_ULSUP-TDM\_n78A,  DC\_20A\_n82A\_ULSUP-FDM\_n78A | 20A | SUL\_n78A-n82A |
| DC\_20A\_SUL\_n78A-n83A | DC\_20A\_n78A  DC\_20A\_n83A | 20A | SUL\_n78A-n83A |
| DC\_21A-28A\_n77A  DC\_21A-28A\_n77C | DC\_21A\_n77A  DC\_28A\_n77A | CA\_21A-28A | n77A  CA\_n77C |
| DC\_21A-28A\_n78A  DC\_21A-28A\_n78C | DC\_21A\_n78A  DC\_28A\_n78A | CA\_21A-28A | n78A  CA\_n78C |
| DC\_21A-28A\_n79A  DC\_21A-28A\_n79C | DC\_21A\_n79A  DC\_28A\_n79A | CA\_21A-28A | n79A  CA\_n79C |
| DC\_21A-42A\_n77A  DC\_21A-42A\_n77C | DC\_21A\_n77A | CA\_21A-42A | n77A  CA\_n77C |
| DC\_21A-42A\_n78A  DC\_21A-42A\_n78C | DC\_21A\_n78A | CA\_21A-42A | n78A  CA\_n78C |
| DC\_21A-42A\_n79A  DC\_21A-42A\_n79C | DC\_21A\_n79A | CA\_21A-42A | n79A  CA\_n79C |
| DC\_21A-42C\_n77A  DC\_21A-42C\_n77C | DC\_21A\_n77A | CA\_21A-42C | n77A  CA\_n77C |
| DC\_21A-42C\_n78A  DC\_21A-42C\_n77C | DC\_21A\_n78A | CA\_21A-42C | n78A  CA\_n78C |
| DC\_21A-42C\_n79A  DC\_21A-42C\_n77C | DC\_21A\_n79A | CA\_21A-42C | n79A  CA\_n79C |
| DC\_21A-42D\_n77A  DC\_21A-42D\_n77C | DC\_21A\_n77A | CA\_21A-42D | n77A  CA\_n77C |
| DC\_21A-42D\_n78A  DC\_21A-42D\_n78C | DC\_21A\_n78A | CA\_21A-42D | n78A  CA\_n78C |
| DC\_21A-42D\_n79A  DC\_21A-42D\_n79C | DC\_21A\_n79A | CA\_21A-42D | n79A  CA\_n79C |
| DC\_21A-42E\_n77A  DC\_21A-42E\_n77C | DC\_21A\_n77A | CA\_21A-42E | n77A  CA\_n77C |
| DC\_21A-42E\_n78A  DC\_21A-42E\_n78C | DC\_21A\_n78A | CA\_21A-42E | n78A  CA\_n78C |
| DC\_21A-42E\_n79A  DC\_21A-42E\_n79C | DC\_21A\_n79A | CA\_21A-42E | n79A  CA\_n79C |
| DC\_21A\_n77A-n79A | DC\_21A\_n77A  DC\_21A\_n79A | 21A | CA\_n77A-n79A |
| DC\_21A\_n78A-n79A | DC\_21A\_n78A  DC\_21A\_n79A | 21A | CA\_n78A-n79A |
| DC\_28A\_SUL\_n78A-n83A | DC\_28A\_n78A,  DC\_28A\_n83A\_ULSUP-TDM\_n78A,  DC\_28A\_n83A\_ULSUP-FDM\_n78A | 28A | SUL\_n78A-n83A |
| DC\_28A-42A\_n77A  DC\_28A-42A\_n77C | DC\_28A\_n77A | CA\_28A-42A | n77A  CA\_n77C |
| DC\_28A-42A\_n78A  DC\_28A-42A\_n78C | DC\_28A\_n78A | CA\_28A-42A | n78A  CA\_n78C |
| DC\_28A-42A\_n79A  DC\_28A-42A\_n79C | DC\_28A\_n79A | CA\_28A-42A | n79A  CA\_n79C |
| DC\_28A-42C\_n77A | DC\_28A\_n77A | CA\_28A-42C | n77A |
| DC\_28A-42C\_n78A | DC\_28A\_n78A | CA\_28A-42C | n78A |
| DC\_28A-42C\_n79A | DC\_28A\_n79A | CA\_28A-42C | n79A |
| DC\_41A-42A\_n77A | DC\_41A\_n77A | CA\_41A-42A | n77A |
| DC\_41C-42C\_n77A | DC\_41A\_n77A | CA\_41C-42C | n77A |
| DC\_41A-42C\_n77A | DC\_41A\_n77A | CA\_41A-42C | n77A |
| DC\_41C-42A\_n77A | DC\_41C\_n77A | CA\_41C-42A | n77A |
| DC\_41A-42A\_n78A | DC\_41A\_n78A | CA\_41A-42A | n78A |
| DC\_41C-42A\_n78A | DC\_41C\_n78A | CA\_41C-42A | n78A |
| DC\_41C-42C\_n78A | DC\_41A\_n78A | CA\_41C-42C | n78A |
| DC\_41A-42C\_n78A | DC\_41A\_n78A | CA\_41A-42C | n78A |
| DC\_41A-42A\_n79A  DC\_41A-42C\_n79A | DC\_41A\_n79A | CA\_41A-42A  CA\_41A-42C | n79A |
| DC\_41C-42C\_n79A | DC\_41A\_n79A | CA\_41C-42C | n79A |
| DC\_41C-42A\_n79A | DC\_41C\_n79A | CA\_41C-42A | n79A |
| DC\_66A\_(n)71AA | DC\_66A\_n71A  DC\_(n)71AA | CA\_66A\_71A | n71A |
| DC\_66C-(n)71AA | DC\_66A\_n71A  DC\_(n)71AA | CA\_66C-71A | n71A |
| DC\_66A\_SUL\_n78A-n86A | DC\_66A\_n78A,  DC\_66A\_n86A\_ULSUP-TDM\_n78A,  DC\_66A\_n86A\_ULSUP-FDM\_n78A | 66A | SUL\_n78A-n86A |
| NOTE 1: Uplink CA configurations are the configurations supported by the present release of specifications.  NOTE 2: Only single switched UL is supported in Rel.15  NOTE 3: Restricted to E-UTRA operation when inter-band carrier aggregation is configured. The downlink operating band for Band 46 is paired with the uplink operating band (external E-UTRA band) of the carrier aggregation configuration that is supporting the configured Pcell. | | | |

#### 5.5B.4.3 Inter-band EN-DC configurations within FR1 (four bands)

Table 5.5B.4.3-1: Inter-band EN-DC configurations within FR1 (four bands)

| EN-DC  configuration | Uplink EN-DC  configuration  (NOTE 1) | E-UTRA configuration | NR configuration |
| --- | --- | --- | --- |
| DC\_1A-3A-5A\_n78A | DC\_1A\_n78A  DC\_3A\_n78A  DC\_5A\_n78A | CA\_1A-3A-5A | n78A |
| DC\_1A-3A-5A\_n79A | DC\_1A\_n79A  DC\_3A\_n79A  DC\_5A\_n79A | CA\_1A-3A-5A | n79A |
| DC\_1A-3A-7A\_n28A | DC\_1A\_n28A  DC\_3A\_n28A  DC\_7A\_n28A | CA\_1A-3A-7A | n28A |
| DC\_1A-3A-7A\_n78A | DC\_1A\_n78A  DC\_3A\_n78A  DC\_7A\_n78A | CA\_1A-3A-7A | n78A |
| DC\_1A-3A-7C\_n78A | DC\_1A\_n78A  DC\_3A\_n78A  DC\_7A\_n78A  DC\_7C\_n78A | CA\_1A-3A-7C | n78A |
| DC\_1A-3C-7A\_n78A | DC\_1A\_n78A  DC\_3A\_n78A  DC\_3C\_n78A  DC\_7A\_n78A | CA\_1A-3C-7A | n78A |
| DC\_1A-3C-7C\_n78A | DC\_1A\_n78A  DC\_3A\_n78A  DC\_3C\_n78A  DC\_7A\_n78A  DC\_7C\_n78A | CA\_1A-3C-7C | n78A |
| DC\_1A-3A-7A-7A\_n78A | DC\_1A\_n78A  DC\_3A\_n78A  DC\_7A\_n78A | CA\_1A-3A-7A-7A | n78A |
| DC\_1A-3A-8A\_n78A  DC\_1A-3C-8A\_n78A | DC\_1A\_n78A  DC\_3A\_n78A  DC\_8A\_n78A | CA\_1A-3A-8A  CA\_1A-3C-8A | n78A |
| DC\_1A-3A-18A\_n77A | DC\_1A\_n77A  DC\_3A\_n77A  DC\_18A\_n77A | CA\_1A-3A-18A | n77A |
| DC\_1A-3A-18A\_n78A | DC\_1A\_n78A  DC\_3A\_n78A  DC\_18A\_n78A | CA\_1A-3A-18A | n78A |
| DC\_1A-3A-18A\_n79A | DC\_1A\_n79A  DC\_3A\_n79A  DC\_18A\_n79A | CA\_1A-3A-18A | n79A |
| DC\_1A-3A-19A\_n77A  DC\_1A-3A-19A\_n77C | DC\_1A\_n77A  DC\_3A\_n77A  DC\_19A\_n77A | CA\_1A-3A-19A | n77A  CA\_n77C |
| DC\_1A-3A-19A\_n78A  DC\_1A-3A-19A\_n78C | DC\_1A\_n78A  DC\_3A\_n78A  DC\_19A\_n78A | CA\_1A-3A-19A | n78A  CA\_n78C |
| DC\_1A-3A-19A\_n79A  DC\_1A-3A-19A\_n79C | DC\_1A\_n79A  DC\_3A\_n79A  DC\_19A\_n79A | CA\_1A-3A-19A | n79A  CA\_n79C |
| DC\_1A-3A-20A\_n28A | DC\_1A\_n28A  DC\_3A\_n28A  DC\_20A\_n28A | CA\_1A-3A-20A | n28A |
| DC\_1A-3A-20A\_n78A | DC\_1A\_n78A  DC\_3A\_n78A  DC\_20A\_n78A | CA\_1A-3A-20A | n78A |
| DC\_1A-3A-21A\_n77A  DC\_1A-3A-21A\_n77C | DC\_1A\_n77A  DC\_3A\_n77A  DC\_21A\_n77A | CA\_1A-3A-21A | n77A  CA\_n77C |
| DC\_1A-3A-21A\_n78A  DC\_1A-3A-21A\_n78C | DC\_1A\_n78A  DC\_3A\_n78A  DC\_21A\_n78A | CA\_1A-3A-21A | n78A  CA\_n78C |
| DC\_1A-3A-21A\_n79A  DC\_1A-3A-21A\_n79C | DC\_1A\_n79A  DC\_3A\_n79A  DC\_21A\_n79A | CA\_1A-3A-21A | n79A  CA\_n79C |
| DC\_1A-3A-28A\_n77A  DC\_1A-3A-28A\_n77C | DC\_1A\_n77A  DC\_3A\_n77A  DC\_28A\_n77A | CA\_1A-3A-28A | n77A  CA\_n77C |
| DC\_1A-3A-28A\_n78A  DC\_1A-3A-28A\_n78C | DC\_1A\_n78A  DC\_3A\_n78A  DC\_28A\_n78A | CA\_1A-3A-28A | n78A  CA\_n78C |
| DC\_1A-3C-28A\_n78A | DC\_1A\_n78A  DC\_3A\_n78A  DC\_28A\_n78A | CA\_1A-3C-28A | n78A |
| DC\_1A-3A-28A\_n79A  DC\_1A-3A-28A\_n79C | DC\_1A\_n79A  DC\_3A\_n79A  DC\_28A\_n79A | CA\_1A-3A-28A | n79A  CA\_n79C |
| DC\_1A-3A\_n28A-n78A | DC\_1A\_n28A  DC\_1A\_n78A  DC\_3A\_n28A  DC\_3A\_n78A | CA\_1A-3A | CA\_n28A-n78A |
| DC\_1A-3A-41A\_n77A  DC\_1A-3A-41C\_n77A | DC\_1A\_n77A  DC\_3A\_n77A  DC\_41A\_n77A | CA\_1A-3A-41A  CA\_1A-3A-41C | n77A |
| DC\_1A-3A-41A\_n78A DC\_1A-3A-41C\_n78A | DC\_1A\_n78A  DC\_3A\_n78A  DC\_41A\_n78A | CA\_1A-3A-41A  CA\_1A-3A-41C | n78A |
| DC\_1A-3A-41A\_n79A  DC\_1A-3A-41C\_n79A | DC\_1A\_n79A  DC\_3A\_n79A  DC\_41A\_n79A | CA\_1A-3A-41A  CA\_1A-3A-41C | n79A |
| DC\_1A-3A-42A\_n77A  DC\_1A-3A-42A\_n77C | DC\_1A\_n77A  DC\_3A\_n77A | CA\_1A-3A-42A | n77A  CA\_n77C |
| DC\_1A-3A-42A\_n78A  DC\_1A-3A-42A\_n78C | DC\_1A\_n78A  DC\_3A\_n78A | CA\_1A-3A-42A | n78A  CA\_n78C |
| DC\_1A-3A-42A\_n79A  DC\_1A-3A-42A\_n79C | DC\_1A\_n79A  DC\_3A\_n79A | CA\_1A-3A-42A | n79A  CA\_n79C |
| DC\_1A-3A-42C\_n77A | DC\_1A\_n77A  DC\_3A\_n77A | CA\_1A-3A-42C | n77A |
| DC\_1A-3A-42C\_n78A | DC\_1A\_n78A  DC\_3A\_n78A | CA\_1A-3A-42C | n78A |
| DC\_1A-3A-42C\_n79A | DC\_1A\_n79A  DC\_3A\_n79A | CA\_1A-3A-42C | n79A |
| DC\_1A-3A-42C\_n77C | DC\_1A\_n77A  DC\_3A\_n77A | CA\_1A-3A-42C | CA\_n77C |
| DC\_1A-3A-42C\_n78C | DC\_1A\_n78A  DC\_3A\_n78A | CA\_1A-3A-42C | CA\_n78C |
| DC\_1A-3A-42C\_n79C | DC\_1A\_n79A  DC\_3A\_n79A | CA\_1A-3A-42C | CA\_n79C |
| DC\_1A-3A\_SUL\_n78A-n80A | DC\_1A\_n78A  DC\_1A\_n80A  DC\_3A\_n78A  DC\_3A\_n80A\_ULSUP-TDM\_n78A  DC\_3A\_n80A\_ULSUP-FDM\_n78A | CA\_1A-3A | SUL\_n78A-n80A |
| DC\_1A-5A-7A\_n78A | DC\_1A\_n78A  DC\_5A\_n78A  DC\_7A\_n78A | CA\_1A-5A-7A | n78A |
| DC\_1A-5A-7A-7A\_n78A | DC\_1A\_n78A  DC\_5A\_n78A  DC\_7A\_n78A | CA\_1A-5A-7A-7A | n78A |
| DC\_1A-5A-41A\_n79A | DC\_1A\_n79A  DC\_5A\_n79A  DC\_41A\_n79A | CA\_1A-5A-41A | n79A |
| DC\_1A-7A-20A\_n28A | DC\_1A\_n28A  DC\_7A\_n28A  DC\_20A\_n28A | CA\_1A-7A-20A | n28A |
| DC\_1A-7A-20A\_n78A | DC\_1A\_n78A  DC\_7A\_n78A  DC\_20A\_n78A | CA\_1A-7A-20A | n78A |
| DC\_1A-7A-28A\_n78A  DC\_1A-7C-28A\_n78A | DC\_1A\_n78A  DC\_7A\_n78A  DC\_28A\_n78A | CA\_1A-7A-28A  CA\_1A-7C-28A | n78A |
| DC\_1A-7A\_n28A-n78A | DC\_1A\_n28A  DC\_1A\_n78A  DC\_7A\_n28A  DC\_7A\_n78A | CA\_1A-7A | CA\_n28A-n78A |
| DC\_1A-8A-20A\_n78A | DC\_1A\_n78A  DC\_8A\_n78A  DC\_20A\_n78A | CA 1A-8A-20A | n78A |
| DC\_1A-18A-28A\_n77A | DC\_1A\_n77A  DC\_18A\_n77A  DC\_28A\_n77A | CA\_1A-18A-28A | n77A |
| DC\_1A-18A-28A\_n78A | DC\_1A\_n78A  DC\_18A\_n78A  DC\_28A\_n78A | CA\_1A-18A-28A | n78A |
| DC\_1A-18A-28A\_n79A | DC\_1A\_n79A  DC\_18A\_n79A  DC\_28A\_n79A | CA\_1A-18A-28A | n79A |
| DC\_1A-18A-42A\_n77A  DC\_1A-18A-42C\_n77A | DC\_1A\_n77A  DC\_18A\_n77A | CA\_1A-18A-42A  CA\_1A-18A-42C | n77A |
| DC\_1A-18A-42A\_n78A  DC\_1A-18A-42C\_n78A | DC\_1A\_n78A  DC\_18A\_n78A | CA\_1A-18A-42A  CA\_1A-18A-42C | n78A |
| DC\_1A-18A-42A\_n79A  DC\_1A-18A-42C\_n79A | DC\_1A\_n79A  DC\_18A\_n79A | CA\_1A-18A-42A  CA\_1A-18A-42C | n79A |
| DC\_1A-19A-21A\_n77A  DC\_1A-19A-21A\_n77C | DC\_1A\_n77A  DC\_19A\_n77A  DC\_21A\_n77A | CA\_1A-19A-21A | CA\_n77A  CA\_n77C |
| DC\_1A-19A-21A\_n78A  DC\_1A-19A-21A\_n78C | DC\_1A\_n78A  DC\_19A\_n78A  DC\_21A\_n78A | CA\_1A-19A-21A | CA\_n78A  CA\_n78C |
| DC\_1A-19A-21A\_n79A  DC\_1A-19A-21A\_n79C | DC\_1A\_n79A  DC\_19A\_n79A  DC\_21A\_n79A | CA\_1A-19A-21A | CA\_n79A  CA\_n79C |
| DC\_1A-19A-42A\_n77A  DC\_1A-19A-42A\_n77C | DC\_1A\_n77A  DC\_19A\_n77A | CA\_1A-19A-42A | n77A  CA\_n77C |
| DC\_1A-19A-42A\_n78A  DC\_1A-19A-42A\_n78C | DC\_1A\_n78A  DC\_19A\_n78A | CA\_1A-19A-42A | n78A  CA\_n78C |
| DC\_1A-19A-42A\_n79A  DC\_1A-19A-42A\_n79C | DC\_1A\_n79A  DC\_19A\_n79A | CA\_1A-19A-42A | n79A  CA\_n79C |
| DC\_1A-19A-42C\_n77A | DC\_1A\_n77A  DC\_19A\_n77A | CA\_1A-19A-42C | n77A |
| DC\_1A-19A-42C\_n78A | DC\_1A\_n78A  DC\_19A\_n78A | CA\_1A-19A-42C | n78A |
| DC\_1A-19A-42C\_n79A | DC\_1A\_n79A  DC\_19A\_n79A | CA\_1A-19A-42C | n79A |
| DC\_1A-19A-42C\_n77C | DC\_1A\_n77A  DC\_19A\_n77A | CA\_1A-19A-42C | CA\_n77C |
| DC\_1A-19A-42C\_n78C | DC\_1A\_n78A  DC\_19A\_n78A | CA\_1A-19A-42C | CA\_n78C |
| DC\_1A-19A-42C\_n79C | DC\_1A\_n79A  DC\_19A\_n79A | CA\_1A-19A-42C | CA\_n79C |
| DC\_1A-20A\_n28A-n78A | DC\_1A\_n28A  DC\_1A\_n78A  DC\_20A\_n28A  DC\_20A\_n78A | CA\_1A-20A | CA\_n28A-n78A |
| DC\_1A-21A-28A\_n77A | DC\_1A\_n77A  DC\_21A\_n77A  DC\_28A\_n77A | CA\_1A-21A-28A | n77A |
| DC\_1A-21A-28A\_n78A | DC\_1A\_n78A  DC\_21A\_n78A  DC\_28A\_n78A | CA\_1A-21A-28A | n78A |
| DC\_1A-21A-28A\_n79A | DC\_1A\_n79A  DC\_21A\_n79A  DC\_28A\_n79A | CA\_1A-21A-28A | n79A |
| DC\_1A-21A-42A\_n77A  DC\_1A-21A-42A\_n77C | DC\_1A\_n77A  DC\_21A\_n77A | CA\_1A-21A-42A | n77A  CA\_n77C |
| DC\_1A-21A-42A\_n78A  DC\_1A-21A-42A\_n78C | DC\_1A\_n78A  DC\_21A\_n78A | CA\_1A-21A-42A | n78A  CA\_n78C |
| DC\_1A-21A-42A\_n79A  DC\_1A-21A-42A\_n79C | DC\_1A\_n79A  DC\_21A\_n79A | CA\_1A-21A-42A | n79A  CA\_n79C |
| DC\_1A-21A-42C\_n77A | DC\_1A\_n77A  DC\_21A\_n77A | CA\_1A-21A-42C | CA\_n77C |
| DC\_1A-21A-42C\_n78A | DC\_1A\_n78A  DC\_21A\_n78A | CA\_1A-21A-42C | CA\_n78C |
| DC\_1A-21A-42C\_n79A | DC\_1A\_n79A  DC\_21A\_n79A | CA\_1A-21A-42C | CA\_n79C |
| DC\_1A-21A-42C\_n77C | DC\_1A\_n77A  DC\_21A\_n77A | CA\_1A-21A-42C | CA\_n77C |
| DC\_1A-21A-42C\_n78C | DC\_1A\_n78A  DC\_21A\_n78A | CA\_1A-21A-42C | CA\_n78C |
| DC\_1A-21A-42C\_n79C | DC\_1A\_n79A  DC\_21A\_n79A | CA\_1A-21A-42C | CA\_n79C |
| DC\_1A-21A-42D\_n77A  DC\_1A-21A-42D\_n77C | DC\_1A\_n77A  DC\_21A\_n77A | CA\_1A-21A-42D | n77A  CA\_n77C |
| DC\_1A-21A-42D\_n78A  DC\_1A-21A-42D\_n78C | DC\_1A\_n78A  DC\_21A\_n78A | CA\_1A-21A-42D | n78A  CA\_n78C |
| DC\_1A-21A-42D\_n79A  DC\_1A-21A-42D\_n79C | DC\_1A\_n79A  DC\_21A\_n79A | CA\_1A-21A-42D | n79A  CA\_n79C |
| DC\_1A-28A-42A\_n77A | DC\_1A\_n77A  DC\_28A\_n77A | CA\_1A-28A-42A | n77A |
| DC\_1A-28A-42A\_n78A | DC\_1A\_n78A  DC\_28A\_n78A | CA\_1A-28A-42A | n78A |
| DC\_1A-28A-42A\_n79A | DC\_1A\_n79A  DC\_28A\_n79A | CA\_1A-28A-42A | n79A |
| DC\_1A-28A-42C\_n77A | DC\_1A\_n77A  DC\_28A\_n77A | CA\_1A-28A-42A | n77A |
| DC\_1A-28A-42C\_n78A | DC\_1A\_n78A  DC\_28A\_n78A | CA\_1A-28A-42A | n78A |
| DC\_1A-28A-42C\_n79A | DC\_1A\_n79A  DC\_28A\_n79A | CA\_1A-28A-42A | n79A |
| DC\_1A-41A-42A\_n77A | DC\_1A\_n77A  DC\_41A\_n77A | CA\_1A-41A-42A | n77A |
| DC\_1A-41A-42C\_n77A | DC\_1A\_n77A  DC\_41A\_n77A | CA\_1A-41A-42C | n77A |
| DC\_1A-41C-42A\_n77A | DC\_1A\_n77A  DC\_41A\_n77A | CA\_1A-41C-42A | n77A |
| DC\_1A-41A-42A\_n78A | DC\_1A\_n78A  DC\_41A\_n78A | CA\_1A-41A-42A | n78A |
| DC\_1A-41A-42C\_n78A | DC\_1A\_n78A  DC\_41A\_n78A | CA\_1A-41A-42C | n78A |
| DC\_1A-41C-42A\_n78A | DC\_1A\_n78A  DC\_41A\_n78A | CA\_1A-41C-42A | n78A |
| DC\_1A-41A-42A\_n79A | DC\_1A\_n79A  DC\_41A\_n79A | CA\_1A-41A-42A | n79A |
| DC\_1A-41A-42C\_n79A | DC\_1A\_n79A  DC\_41A\_n79A | CA\_1A-41A-42C | n79A |
| DC\_1A-41C-42A\_n79A | DC\_1A\_n79A  DC\_41A\_n79A | CA\_1A-41C-42A | n79A |
| DC\_1A-41C-42C\_n77A | DC\_1A\_n77A  DC\_41A\_n77A | CA\_1A-41C-42C | n77A |
| DC\_1A-41C-42C\_n78A | DC\_1A\_n78A  DC\_41A\_n78A | CA\_1A-41C-42C | n78A |
| DC\_1A-41C-42C\_n79A | DC\_1A\_n79A  DC\_41A\_n79A | CA\_1A-41C-42C | n79A |
| DC\_2A-66A-(n)71AA | DC\_2A\_n71A  DC\_66A\_n71A  DC\_(n)71AA | CA\_2A-66A-71A | n71A |
| DC\_2A-66C-(n)71AA | DC\_2A\_n71A  DC\_66A\_n71A  DC\_(n)71AA | CA\_2A-66C-71A | n71A |
| DC\_3A-5A-7A\_n78A  DC\_3A-5A-7A-7A\_n78 | DC\_3A\_n78A  DC\_5A\_n78A  DC\_7A\_n78A | CA\_3A-5A-7A  CA\_3A-5A-7A-7A | n78A |
| DC\_3A-5A-41A\_n79A | DC\_3A\_n79A  DC\_5A\_n79A  DC\_41A\_n79A | CA\_3A-5A-41A | n79A |
| DC\_3A-7A-20A\_n28A | DC\_3A\_n28A  DC\_7A\_n28A  DC\_20A\_n28A | CA\_3A-7A-20A | n28A |
| DC\_3A-7A-20A\_n78A | DC\_3A\_n78A  DC\_20A\_n78A  DC\_7A\_n78A | CA\_3A-7A-20A | n78A |
| DC\_3A-7A-28A\_n78A | DC\_3A\_n78A  DC\_7A\_n78A  DC\_28A\_n78A | CA\_3A-7A-28A | n78A |
| DC\_3A-7C-28A\_n78A | DC\_3A\_n78A  DC\_7A\_n78A  DC\_28A\_n78A | CA\_3A-7C-28A | n78A |
| DC\_3A-7A\_n28A-n78A | DC\_3A\_n28A  DC\_3A\_n78A  DC\_7A\_n28A  DC\_7A\_n78A | CA\_3A-7A | CA\_n28A-n78A |
| DC\_3A-7A\_SUL\_n78A-n80A | DC\_3A\_n78A  DC\_3A\_n80A\_ULSUP-TDM\_n78A  DC\_3A\_n80A\_ULSUP-FDM\_n78A  DC\_7A\_n78A  DC\_7A\_n80A | CA\_3A-7A | SUL\_n78A-n80A |
| DC\_3C-7A\_SUL\_n78A-n80A | DC\_3A\_n78A  DC\_3A\_n80A\_ULSUP-TDM\_n78A  DC\_3A\_n80A\_ULSUP-FDM\_n78A  DC\_7A\_n78A  DC\_7A\_n80A | CA\_3C-7A | SUL\_n78A-n80A |
| DC\_3A-8A-20A\_n78A | DC\_3A\_n78A  DC\_8A\_n78A  DC\_20A\_n78A | CA 3A-8A-20A | n78A |
| DC\_3A-8A\_SUL\_n78A-n80A | DC\_3A\_n78A  DC\_3A\_n80A\_ULSUP-TDM\_n78A  DC\_3A\_n80A\_ULSUP-FDM\_n78A  DC\_8A\_n78A  DC\_8A\_n80A | CA\_3A-8A | SUL\_n78A-n80A |
| DC\_3A-18A-42A\_n77A  DC\_3A-18A-42C\_n77A | DC\_3A\_n77A  DC\_18A\_n77A | CA\_3A-18A-42A  CA\_3A-18A-42C | n77A |
| DC\_3A-18A-42A\_n78A  DC\_3A-18A-42C\_n78A | DC\_3A\_n78A  DC\_18A\_n78A | CA\_3A-18A-42A  CA\_3A-18A-42C | n78A |
| DC\_3A-18A-42A\_n79A  DC\_3A-18A-42C\_n79A | DC\_3A\_n79A  DC\_18A\_n79A | CA\_3A-18A-42A  CA\_3A-18A-42C | n79A |
| DC\_3A-19A-21A\_n77A  DC\_3A-19A-21A\_n77C | DC\_3A\_n77A  DC\_19A\_n77A  DC\_21A\_n77A | CA\_3A-19A-21A | n77A  CA\_n77C |
| DC\_3A-19A-21A\_n78A  DC\_3A-19A-21A\_n78C | DC\_3A\_n78A  DC\_19A\_n78A  DC\_21A\_n78A | CA\_3A-19A-21A | n78A  CA\_n78C |
| DC\_3A-19A-21A\_n79A  DC\_3A-19A-21A\_n79C | DC\_3A\_n79A  DC\_19A\_n79A  DC\_21A\_n79A | CA\_3A-19A-21A | n79A  CA\_n79C |
| DC\_3A-19A-42A\_n77A  DC\_3A-19A-42A\_n77C | DC\_3A\_n77A  DC\_19A\_n77A | CA\_3A-19A-42A | n77A  CA\_n77C |
| DC\_3A-19A-42C\_n77A  DC\_3A-19A-42C\_n77C | DC\_3A\_n77A  DC\_19A\_n77A | CA\_3A-19A-42C | n77A  CA\_n77C |
| DC\_3A-19A-42A\_n78A  DC\_3A-19A-42A\_n78C | DC\_3A\_n78A  DC\_19A\_n78A | CA\_3A-19A-42A | n78A  CA\_n78C |
| DC\_3A-19A-42C\_n78A  DC\_3A-19A-42C\_n78C | DC\_3A\_n78A  DC\_19A\_n78A | CA\_3A-19A-42C | n78A  CA\_n78C |
| DC\_3A-19A-42A\_n79A  DC\_3A-19A-42A\_n79C | DC\_3A\_n79A  DC\_19A\_n79A | CA\_3A-19A-42A | n79A  CA\_n79C |
| DC\_3A-19A-42C\_n79A  DC\_3A-19A-42C\_n79C | DC\_3A\_n79A  DC\_19A\_n79A | CA\_3A-19A-42C | n79A  CA\_n79C |
| DC\_3A-19A-42D\_n77A  DC\_3A-19A-42D\_n77C | DC\_3A\_n77A  DC\_19A\_n77A | CA\_3A-19A-42D | n77A  CA\_n77C |
| DC\_3A-19A-42D\_n78A  DC\_3A-19A-42D\_n78C | DC\_3A\_n78A  DC\_19A\_n78A | CA\_3A-19A-42D | n78A  CA\_n78C |
| DC\_3A-19A-42D\_n79A  DC\_3A-19A-42D\_n79C | DC\_3A\_n79A  DC\_19A\_n79A | CA\_3A-19A-42D | n79A  CA\_n79C |
| DC\_3A-20A\_n28A-n78A | DC\_3A\_n28A  DC\_3A\_n78A  DC\_20A\_n28A  DC\_20A\_n78A | CA\_3A-20A | CA\_n28A-n78A |
| DC\_3A\_20A\_SUL\_n78A-n80A | DC\_3A\_n78A  DC\_3A\_n80A\_ULSUP-TDM\_n78A  DC\_3A\_n80A\_ULSUP-FDM\_n78A  DC\_20A\_n78A  DC\_20A\_n80A | CA\_3A\_20A | SUL\_n78A-n80A |
| DC\_3C\_20A\_SUL\_n78A-n80A | DC\_3A\_n78A  DC\_3A\_n80A\_ULSUP-TDM\_n78A  DC\_3A\_n80A\_ULSUP-FDM\_n78A  DC\_20A\_n78A  DC\_20A\_n80A | CA\_3C\_20A | SUL\_n78A-n80A |
| DC\_3A-21A-42A\_n77A  DC\_3A-21A-42A\_n77C | DC\_3A\_n77A  DC\_21A\_n77A | CA\_3A-21A-42A | n77A  CA\_n77A |
| DC\_3A-21A-42A\_n78A  DC\_3A-21A-42A\_n78C | DC\_3A\_n78A  DC\_21A\_n78A | CA\_3A-21A-42A | n78A  CA\_n78A |
| DC\_3A-21A-42A\_n79A  DC\_3A-21A-42A\_n79C | DC\_3A\_n79A  DC\_21A\_n79A | CA\_3A-21A-42A | n79A  CA\_n79A |
| DC\_3A-21A-42C\_n77A | DC\_3A\_n77A  DC\_21A\_n77A | CA\_3A-21A-42C | n77A |
| DC\_3A-21A-42C\_n78A | DC\_3A\_n78A  DC\_21A\_n78A | CA\_3A-21A-42C | n78A |
| DC\_3A-21A-42C\_n79A | DC\_3A\_n79A  DC\_21A\_n79A | CA\_3A-21A-42C | n79A |
| DC\_3A-21A-42C\_n77C | DC\_3A\_n77A  DC\_21A\_n77A | CA\_3A-21A-42C | CA\_n77C |
| DC\_3A-21A-42C\_n78C | DC\_3A\_n78A  DC\_21A\_n78A | CA\_3A-21A-42C | CA\_n78C |
| DC\_3A-21A-42C\_n79C | DC\_3A\_n79A  DC\_21A\_n79A | CA\_3A-21A-42C | CA\_n79C |
| DC\_3A-21A-42D\_n77A  DC\_3A-21A-42D\_n77C | DC\_3A\_n77A  DC\_21A\_n77A | CA\_3A-21A-42D | n77A  CA\_n77C |
| DC\_3A-21A-42D\_n78A  DC\_3A-21A-42D\_n78C | DC\_3A\_n78A  DC\_21A\_n78A | CA\_3A-21A-42D | n78A  CA\_n78C |
| DC\_3A-21A-42D\_n79A  DC\_3A-21A-42D\_n79C | DC\_3A\_n79A  DC\_21A\_n79A | CA\_3A-21A-42D | n79A  CA\_n79C |
| DC\_3A-28A-42A\_n77A | DC\_3A\_n77A  DC\_28A\_n77A | CA\_3A-28A-42A | n77A |
| DC\_3A-28A-42A\_n78A | DC\_3A\_n78A  DC\_28A\_n78A | CA\_3A-28A-42A | n78A |
| DC\_3A-28A-42A\_n79A | DC\_3A\_n79A  DC\_28A\_n79A | CA\_3A-28A-42A | n79A |
| DC\_3A-28A-42C\_n77A | DC\_3A\_n77A  DC\_28A\_n77A | CA\_3A-28A-42C | n77A |
| DC\_3A-28A-42C\_n78A | DC\_3A\_n78A  DC\_28A\_n78A | CA\_3A-28A-42C | n78A |
| DC\_3A-28A-42C\_n79A | DC\_3A\_n79A  DC\_28A\_n79A | CA\_3A-28A-42C | n79A |
| DC\_3A-41A-42A\_n77A  DC\_3A-41A-42C\_n77A  DC\_3A-41C-42A\_n77A  DC\_3A-41C-42C\_n77A | DC\_3A\_n77A  DC\_41A\_n77A | CA\_3A-41A-42A  CA\_3A-41A-42C  CA\_3A-41C-42A  CA\_3A-41C-42C | n77A |
| DC\_3A-41A-42A\_n78A  DC\_3A-41A-42C\_n78A  DC\_3A-41C-42A\_n78A  DC\_3A-41C-42C\_n78A | DC\_3A\_n78A  DC\_41A\_n78A | CA\_3A-41A-42A  CA\_3A-41A-42C  CA\_3A-41C-42A  CA\_3A-41C-42C | n78A |
| DC\_3A-41A-42A\_n79A  DC\_3A-41A-42C\_n79A  DC\_3A-41C-42A\_n79A  DC\_3A-41C-42C\_n79A | DC\_3A\_n79A  DC\_41A\_n79A | CA\_3A-41A-42A  CA\_3A-41A-42C  CA\_3A-41C-42A  CA\_3A-41C-42C | n79A |
| DC\_7A-20A\_n28A-n78A | DC\_7A\_n28A  DC\_7A\_n78A  DC\_20A\_n28A  DC\_20A\_n78A | CA\_7A-20A | CA\_n28A-n78A |
| DC\_19A-21A-42A\_n77A  DC\_19A-21A-42A\_n77C | DC\_19A\_n77A  DC\_21A\_n77A | CA\_19A-21A-42A | n77A  CA\_n77C |
| DC\_19A-21A-42A\_n78A  DC\_19A-21A-42A\_n78C | DC\_19A\_n78A  DC\_21A\_n78A | CA\_19A-21A-42A | n78A  CA\_n78C |
| DC\_19A-21A-42A\_n79A  DC\_19A-21A-42A\_n79C | DC\_19A\_n79A  DC\_21A\_n79A | CA\_19A-21A-42A | n79A  CA\_n79C |
| DC\_19A-21A-42C\_n77A | DC\_19A\_n77A  DC\_21A\_n77A | CA\_19A-21A-42C | n77A |
| DC\_19A-21A-42C\_n78A | DC\_19A\_n78A  DC\_21A\_n78A | CA\_19A-21A-42C | n78A |
| DC\_19A-21A-42C\_n79A | DC\_19A\_n79A  DC\_21A\_n79A | CA\_19A-21A-42C | n79A |
| DC\_19A-21A-42C\_n77C | DC\_19A\_n77A  DC\_21A\_n77A | CA\_19A-21A-42C | CA\_n77C |
| DC\_19A-21A-42C\_n78C | DC\_19A\_n78A  DC\_21A\_n78A | CA\_19A-21A-42C | CA\_n78C |
| DC\_19A-21A-42C\_n79C | DC\_19A\_n79A  DC\_21A\_n79A | CA\_19A-21A-42C | CA\_n79C |
| DC\_21A-28A-42A\_n77A | DC\_21A\_n77A  DC\_28A\_n77A | CA\_21A-28A-42A | n77A |
| DC\_21A-28A-42A\_n78A | DC\_21A\_n78A  DC\_28A\_n78A | CA\_21A-28A-42A | n78A |
| DC\_21A-28A-42A\_n79A | DC\_21A\_n79A  DC\_28A\_n79A | CA\_21A-28A-42A | n79A |
| DC\_21A-28A-42C\_n77A | DC\_21A\_n77A  DC\_28A\_n77A | CA\_21A-28A-42C | n77A |
| DC\_21A-28A-42C\_n78A | DC\_21A\_n78A  DC\_28A\_n78A | CA\_21A-28A-42C | n78A |
| DC\_21A-28A-42C\_n79A | DC\_21A\_n79A  DC\_28A\_n79A | CA\_21A-28A-42C | n79A |
| NOTE 1: Uplink CA configurations are the configurations supported by the present release of specifications. | | | |

## **<Next Section>**

#### 6.2B.1.3 Inter-band EN-DC within FR1

< conducted requirements >

For inter-band EN-DC of LTE and NR in FR1, the following UE Power Classes define the maximum output power for any transmission bandwidth within the aggregated channel bandwidth. The maximum output power is measured as the sum of the maximum output power at each UE antenna connector. The period of measurement shall be at least one sub frame (1ms). UE maximum output power shall be measured over all component carriers from different bands. If each band has separate antenna connectors, maximum output power is measured as the sum of maximum output power at each UE antenna connector.

Table 6.2B.1.3-1: Maximum output power for inter-band EN-DC (two bands)

| EN-DC configuration | Power class 3  (dBm) | Tolerance  (dB) |
| --- | --- | --- |
| DC\_1A\_n28A | 23 | +2/-3 |
| DC\_1A\_n40A | 23 | +2/-3 |
| DC\_1A\_n51A | 23 | +2/-3 |
| DC\_1A\_n77A | 23 | +2/-3 |
| DC\_1A\_n78A  DC\_1A\_n84A\_ULSUP-TDM\_n78A  DC\_1A\_n84A\_ULSUP-FDM\_n78A | 23 | +2/-3 |
| DC\_1A\_n79A, DC\_1A\_n84A\_ULSUP-TDM | 23 | +2/-3 |
| DC\_1A\_n80A | 23 | +2/-3 |
| DC\_2A\_n5A | 23 | +2/-31 |
| DC\_2A\_n66A | 23 | +2/-31 |
| DC\_2A\_n71A | 23 | +2/-3 |
| DC\_2A\_n78A | 23 | +2/-3 |
| DC\_3A\_n1A | 23 | +2/-3 |
| DC\_3A\_n7A | 23 | +2/-31 |
| DC\_3A\_n28A | 23 | +2/-31 |
| DC\_3A\_n40A | 23 | +2/-31 |
| DC\_3A\_n41A,  DC\_3A\_n80A\_ULSUP-TDM,  DC\_3A\_n80A\_ULSUP-FDM,  DC\_3C\_n41A,  DC\_3C\_n80A\_ULSUP-TDM,  DC\_3C\_n80A\_ULSUP-FDM | 23 | +2/-3 |
| DC\_3A\_n51A | 23 | +2/-31 |
| DC\_3A\_n77A | 23 | +2/-31 |
| DC\_3A\_n78A  DC\_3A\_n80A\_ULSUP-TDM\_n78A,  DC\_3A\_n80A\_ULSUP-FDM\_n78A | 23 | +2/-31 |
| DC\_3A\_n79A  DC\_3A\_n80A\_ULSUP-TDM\_n79A,  DC\_3A\_n80A\_ULSUP-FDM\_n79A | 23 | +2/-31 |
| DC\_3A\_n82A | 23 | +2/-31 |
| DC\_5A\_n40A | 23 | +2/-31 |
| DC\_5A\_n66A | 23 | +2/-31 |
| DC\_5A\_n71A | 23 | +2/-3 |
| DC\_5A\_n78A | 23 | +2/-3 |
| DC\_5A\_n79A | 23 | +2/-3 |
| DC\_7A\_n28A | 23 | +2/-31 |
| DC\_7A\_n51A | 23 | +2/-31 |
| DC\_7A\_n78A  DC\_7C\_n78A | 23 | +2/-3 |
| DC\_7A\_n80A | 23 | +2/-3 |
| DC\_8A\_n40A | 23 | +2/-31 |
| DC\_8A\_n41A,  DC\_8A\_n81A\_ULSUP-TDM,  DC\_8A\_n81A\_ULSUP-FDM | 23 | +2/-3 |
| DC\_8A\_n77A | 23 | +2/-3 |
| DC\_8A\_n78A  DC\_8A\_n81A\_ULSUP-TDM\_n78A,  DC\_8A\_n81A\_ULSUP-FDM\_n78A | 23 | +2/-3 |
| DC\_8A\_n79A  DC\_8A\_n81A\_ULSUP-TDM\_n79A,  DC\_8A\_n81A\_ULSUP-FDM\_n79A | 23 | +2/-3 |
| DC\_8A\_n80A | 23 | +2/-3 |
| DC\_11A\_n77A | 23 | +2/-3 |
| DC\_11A\_n78A | 23 | +2/-3 |
| DC\_11A\_n79A | 23 | +2/-3 |
| DC\_12A\_n5A | 23 | +2/-3 |
| DC\_12A\_n66A | 23 | +2/-3 |
| DC\_12A\_n71A | 23 | +2/-3 |
| DC\_18A\_n77A | 23 | +2/-3 |
| DC\_18A\_n78A | 23 | +2/-3 |
| DC\_18A\_n79A | 23 | +2/-3 |
| DC\_19A\_n77A | 23 | +2/-3 |
| DC\_19A\_n78A | 23 | +2/-3 |
| DC\_19A\_n79A | 23 | +2/-3 |
| DC\_20A\_n8A | 23 | +2/-3 |
| DC\_20A\_n28A  DC\_20A\_n83A | 23 | +2/-3 |
| DC\_20A\_n51A | 23 | +2/-3 |
| DC\_20A\_n77A | 23 | +2/-3 |
| DC\_20A\_n80A | 23 | +2/-3 |
| DC\_20A\_n78A  DC\_20A\_n82A\_ULSUP-TDM\_n78A,  DC\_20A\_n82A\_ULSUP-FDM\_n78A | 23 | +2/-3 |
| DC\_21A\_n77A | 23 | +2/-3 |
| DC\_21A\_n78A | 23 | +2/-3 |
| DC\_21A\_n79A | 23 | +2/-3 |
| DC\_25A\_n41A | 23 | +2/-3 |
| DC\_26A\_n41A | 23 | +2/-3 |
| DC\_26A\_n77A | 23 | +2/-3 |
| DC\_26A\_n78A | 23 | +2/-3 |
| DC\_26A\_n79A | 23 | +2/-3 |
| DC\_28A n51A | 23 | +2/-3 |
| DC\_28A\_n77A | 23 | +2/-3 |
| DC\_28A\_n78A  DC\_28A\_n83A\_ULSUP-TDM\_n78A,  DC\_28A\_n83A\_ULSUP-FDM\_n78A | 23 | +2/-3 |
| DC\_28A\_n79A | 23 | +2/-3 |
| DC\_30A\_n5A | 23 | +2/-3 |
| DC\_30A\_n66A | 23 | +2/-3 |
| DC\_38A\_n78A | N/A | N/A |
| DC\_39A\_n41A | 23 | +2/-2 |
| DC\_39A\_n78A | 23 | +2/-31 |
| DC\_39A\_n79A | 23 | +2/-31 |
| DC\_40A\_n77A | N/A | N/A |
| DC\_41A\_n77A  DC\_41C\_n77A | 23 | +2/-31 |
| DC\_41A\_n78A  DC\_41C\_n77A | 23 | +2/-31 |
| DC\_41A\_n79A  DC\_41C\_n77A | 23 | +2/-31 |
| DC\_42A\_n51A | 23 | +2/-3 |
| DC\_42A\_n77A | N/A | N/A |
| DC\_42A\_n78A | N/A | N/A |
| DC\_42A\_n79A | N/A | N/A |
| DC\_66A\_n5A | 23 | +2/-31 |
| DC\_66A\_n71A | 23 | +2/-3 |
| DC\_66A\_n78A, DC\_66A\_n86A\_ULSUP-TDM\_n78A,  DC\_66A\_n86A\_ULSUP-FDM\_n78A | 23 | +2/-3 |
| NOTE 1: 2 refers to the transmission bandwidths confined within FUL\_low and FUL\_low + 4 MHz or FUL\_high – 4 MHz and FUL\_high, the maximum output power requirement is relaxed by reducing the lower tolerance limit by 1.5 dB  NOTE 2: PPowerClass\_EN-DC is the maximum UE power specified without taking into account the tolerance  NOTE 3: For inter-band EN-DC the maximum power requirement should apply to the total transmitted power over all component carriers (per UE). | | |

## **<Next Section>**

###### 6.2B.4.2.3.2 ΔTIB,c for EN-DC three bands

Table 6.2B.4.2.3.2-1: ΔTIB,c due to EN-DC (three bands)

| Inter-band EN-DC configuration | E-UTRA or NR Band | ΔTIB,c (dB) |
| --- | --- | --- |
| DC\_1-3\_n28 | 1 | 0.3 |
| 3 | 0.3 |
| n28 | 0.6 |
| DC\_1-3\_n77 | 1 | 0.6 |
| 3 | 0.6 |
| n77 | 0.8 |
| DC\_1-3\_n78 | 1 | 0.6 |
| 3 | 0.6 |
| n78 | 0.8 |
| DC\_1-3\_n79 | 1 | 0.3 |
| 3 | 0.3 |
| DC\_1\_n3-n78 | 1 | 0.6 |
| n3 | 0.6 |
| n78 | 0.8 |
| DC\_1-5\_n78 | 1 | 0.3 |
| 5 | 0.6 |
| n78 | 0.8 |
| DC\_1-5\_n79 | 1 | 0.3 |
| 5 | 0.3 |
| n79 | 0 |
| DC\_1-7\_n28 | 1 | 0.5 |
| 7 | 0.6 |
| n28 | 0.6 |
| DC\_1-7\_n78 | 1 | 0.6 |
| 7 | 0.6 |
| n78 | 0.8 |
| DC\_1-7-7\_n78 | 1 | 0.6 |
| 7 | 0.6 |
| n78 | 0.8 |
| DC\_1-8\_n78 | 1 | 0.3 |
| 8 | 0.6 |
| n78 | 0.8 |
| DC\_1-1A\_n77 | 1 | 0.3 |
| 18 | 0.3 |
| n77 | 0.8 |
| DC\_1-18\_n78 | 1 | 0.3 |
| 18 | 0.3 |
| n78 | 0.8 |
| DC\_1-19\_n77 | 1 | 0.3 |
| 19 | 0.3 |
| n77 | 0.8 |
| DC\_1-19\_n78 | 1 | 0.3 |
| 19 | 0.3 |
| n78 | 0.8 |
| DC\_1-19\_n79 | 1 | 0.3 |
| 19 | 0.3 |
| DC\_1-20\_n28 | 1 | 0.3 |
| 20 | 0.6 |
| N28 | 0.6 |
| DC\_1-20\_n78 | 1 | 0.3 |
| 20 | 0.3 |
| n78 | 0.8 |
| DC\_1-21\_n77 | 1 | 0.3 |
| 21 | 0.3 |
| n77 | 0.8 |
| DC\_1-21\_n78 | 1 | 0.6 |
| 21 | 0.4 |
| n78 | 0.8 |
| DC\_1-21\_n79 | 1 | 0.3 |
| 21 | 0.3 |
| DC\_1-41\_n77 | 1 | 0.5 |
| 41 | 0.5 |
| n77 | 0.8 |
| DC\_1-41\_n78 | 1 | 0.5 |
| 41 | 0.5 |
| n78 | 0.8 |
| DC\_1-41\_n79 | 1 | 0.5 |
| 41 | 0.5 |
| DC\_1-28\_n77 | 1 | 0.3 |
| 28 | 0.6 |
| n77 | 0.8 |
| DC\_1-28\_n78 | 1 | 0.3 |
| 28 | 0.6 |
| n78 | 0.8 |
| DC\_1\_n28-n78 | 1 | 0.3 |
| n28 | 0.6 |
| n78 | 0.8 |
| DC\_1\_n28-n79 | 1 | 0.3 |
| 28 | 0.3 |
| DC\_1-42\_n77 | 1 | 0.6 |
| 42 | 0.8 |
| n77 | 0.8 |
| DC\_1-42\_n78 | 1 | 0.3 |
| 42 | 0.8 |
| n78 | 0.8 |
| DC\_1-42\_n79 | 1 | 0.3 |
| 42 | 0.8 |
| DC\_1\_SUL\_n78-n84 | 1 | 0.3 |
| n78 | 0.8 |
| n84 | 0.3 |
| DC\_1\_n77-n79 | 1 | 0.6 |
| n77 | 0.8 |
| n79 | 0 |
| DC\_1\_n78-n79 | 1 | 0.3 |
| n78 | 0.8 |
| n79 | 0.5 |
| DC\_1\_SUL\_n78-n80 | 1 | 0.6 |
| n80 | 0.6 |
| n78 | 0.8 |
| DC\_2-(n)71 | 2 | 0.3 |
| 71 | 0.3 |
| n71 |
| DC\_2-5\_n66 | 2 | 0.5 |
| 5 | 0.3 |
| n66 | 0.5 |
| DC\_2-7\_n78 | 2 | 0.5 |
| 7 | 0.5 |
| n78 | 0 |
| DC\_2-30\_n66 | 2 | 0.5 |
| 30 | 0.3 |
| n66 | 0.5 |
| DC\_2-66\_n71 | 2 | 0.5 |
| 66 | 0.5 |
| n71 | 0.3 |
| DC\_3\_n1-n77 | 3 | 0.6 |
| n1 | 0.6 |
| n77 | 0.8 |
| DC\_3\_n1-n78 | 3 | 0.6 |
| n1 | 0.6 |
| n78 | 0.8 |
| DC\_3\_n3-n77 | 3 | 0.6 |
| n3 | 0.6 |
| n77 | 0.8 |
| DC\_3\_n3-n78 | 3 | 0.6 |
| n3 | 0.6 |
| n78 | 0.8 |
| DC\_3-5\_n78 | 3 | 0.6 |
| 5 | 0.6 |
| n78 | 0.8 |
| DC\_3-5\_n79 | 3 | 0.3 |
| 5 | 0.3 |
| n79 | 0 |
| DC\_3-7\_n28 | 3 | 0.5 |
| 7 | 0.5 |
| n28 | 0.3 |
| DC\_3-7\_n78, DC\_3-7-7\_n78, DC\_3-3-7\_n78, DC\_3-3-7-7\_n78 | 3 | 0.6 |
| 7 | 0.6 |
| n78 | 0.8 |
| DC\_3-8\_n78 | 3 | 0.6 |
| 8 | 0.6 |
| n78 | 0.8 |
| DC\_3-18-n77 | 3 | 0.6 |
| 18 | 0.3 |
| n77 | 0.8 |
| DC\_3-18-n78 | 3 | 0.6 |
| 18 | 0.3 |
| n78 | 0.8 |
| DC\_3-18-n79 | 3 | 0.3 |
| 18 | 0.3 |
| n79 | 0 |
| DC\_3-19\_n77 | 3 | 0.6 |
| 19 | 0.3 |
| n77 | 0.8 |
| DC\_3-19\_n78 | 3 | 0.6 |
| 19 | 0.3 |
| n78 | 0.8 |
| DC\_3-19\_n79 | 3 | 0.3 |
| 19 | 0.3 |
| DC\_3-20\_n28 | 3 | 0.3 |
| 20 | 0.5 |
| n28 | 0.5 |
| DC\_3-20\_n78 | 3 | 0.5 |
| 20 | 0.3 |
| n78 | 0.8 |
| DC\_3-21\_n77 | 3 | 0.8 |
| 21 | 0.9 |
| n77 | 0.8 |
| DC\_3-21\_n78 | 3 | 0.8 |
| 21 | 0.9 |
| n78 | 0.8 |
| DC\_3-21\_n79 | 3 | 0.8 |
| 21 | 0.9 |
| DC\_3-28\_n78 | 3 | 0.5 |
| 28 | 0.3 |
| n78 | 0.8 |
| DC\_3\_n28-n78 | 3 | 0.5 |
| n28 | 0.3 |
| n78 | 0.8 |
| DC\_3-38\_n78 | 3 | 0.6 |
| n78 | 0.8 |
| DC\_3-41-n77 | 3 | 0.6 |
| 41 | 0.31 |
| 0.82 |
| n77 | 0.8 |
| DC\_3-41\_n78 | 3 | 0.6 |
| 41 | 0.31 |
| 0.82 |
| n78 | 0.8 |
| DC\_3-41-n79 | 3 | 0.6 |
| 41 | 0.31 |
| 0.82 |
| n79 | 0 |
| DC\_3\_SUL\_n41-n80 | 3 | 0.5 |
| n41 | 0.33 |
| 0.84 |
| n80 | 0.5 |
| DC\_3-42\_n77 | 3 | 0.6 |
| 42 | 0.8 |
| n787 | 0.8 |
| DC\_3-42\_n78 | 3 | 0.6 |
| 42 | 0.8 |
| n78 | 0.8 |
| DC\_3-42\_n79 | 3 | 0.6 |
| 42 | 0.8 |
| DC\_3\_n77-n79 | 3 | 0.6 |
| n77 | 0.8 |
| n79 | 0 |
| DC\_3\_n78-n79 | 3 | 0.6 |
| n78 | 0.8 |
| n79 | 0.5 |
| DC\_3\_SUL\_n78-n80 | 3 | 0.6 |
| n78 | 0.8 |
| n80 | 0.6 |
| DC\_3\_SUL\_n78-n82 | 3 | 0.5 |
| n78 | 0.8 |
| n82 | 0.3 |
| DC\_5-7\_n78, DC\_5-7-7\_n78 | 5 | 0.6 |
| 7 | 0.6 |
| n78 | 0.8 |
| DC\_5\_30\_n66 | 5 | 0.3 |
| 30 | 0.3 |
| n66 | 0.5 |
| DC\_5-41\_n79 | 5 | 0.3 |
| 41 | 0.3 |
| n79 | 0 |
| DC\_7-7\_n78 | 7 | 0.5 |
| n78 | 0.8 |
| DC\_7-20\_n28 | 7 | 0.3 |
| 20 | 0.6 |
| n28 | 0.6 |
| DC\_7-20\_n78 | 7 | 0.3 |
| 20 | 0.3 |
| n78 | 0.8 |
| DC\_7-28\_n78 | 7 | 0.3 |
| 28 | 0.3 |
| n78 | 0.8 |
| DC\_7\_n28-n78 | 7 | 0.3 |
| n28 | 0.3 |
| n78 | 0.8 |
| DC\_7-46\_n78 | 7 | 0.5 |
| n78 | 0.8 |
| DC\_7-66\_n78 | 7 | 0.5 |
| 66 | 0.5 |
| n78 | 0 |
| DC\_7\_SUL\_n78-n80 | 7 | 0.6 |
| n80 | 0.6 |
| n78 | 0.8 |
| DC\_8-20\_n78 | 8 | 0.6 |
| 20 | 0.6 |
| n78 | 0.8 |
| DC\_8\_SUL\_n41-n81 | 8 | 0.3 |
| n41 | 0.3 |
| n81 | 0.3 |
| DC\_8\_SUL\_n78-n80 | 8 | 0.6 |
| n80 | 0.6 |
| n78 | 0.8 |
| DC\_8\_SUL\_n78- n81 | 8 | 0.6 |
| n78 | 0.8 |
| n81 | 0.6 |
| DC\_18-28\_n77 | 18 | 0.5 |
| 28 | 0.5 |
| n77 | 0.8 |
| DC\_18-28\_n78 | 18 | 0.5 |
| 28 | 0.5 |
| n78 | 0.8 |
| DC\_18-28\_n79 | 18 | 0.5 |
| 28 | 0.5 |
| DC\_18-42\_n77 | 18 | 0.3 |
| 42 | 0.8 |
| n77 | 0.8 |
| DC\_18-42\_n78 | 18 | 0.3 |
| 42 | 0.8 |
| n78 | 0.8 |
| DC\_18-42\_n79 | 18 | 0.3 |
| 42 | 0.8 |
| n79 | 0 |
| DC\_19-21\_n77 | 19 | 0.3 |
| 21 | 0.4 |
| n77 | 0.8 |
| DC\_19-21\_n78 | 19 | 0.3 |
| 21 | 0.4 |
| n78 | 0.8 |
| DC\_19-21\_n79 | 19 | 0.3 |
| 21 | 0.4 |
| DC\_19-42\_n77 | 19 | 0.3 |
| 42 | 0.8 |
| n77 | 0.8 |
| DC\_19-42\_n78 | 19 | 0.3 |
| 42 | 0.8 |
| n78 | 0.8 |
| DC\_19-42\_n79 | 19 | 0.3 |
| 42 | 0.8 |
| DC\_19\_n77-n79 | 19 | 0.3 |
| n77 | 0.8 |
| n79 | 0 |
| DC\_19\_n78-n79 | 19 | 0.3 |
| n78 | 0.8 |
| n79 | 0.5 |
| DC\_20\_n8-n75 | 20 | 0.4 |
| n8 | 0.4 |
| DC\_20\_n28-n75 | 20 | 0.5 |
| n28 | 0.7 |
| DC\_20\_n28-n78 | 20 | 0.6 |
| n28 | 0.6 |
| n78 | 0.8 |
| DC\_20-38\_n78 | 20 | 0.6 |
| n78 | 0.8 |
| DC\_20\_n75-n78 | 20 | 0.5 |
| n78 | 0.8 |
| DC\_20\_n76-n78 | 20 | 0.5 |
| n78 | 0.8 |
| DC\_20\_SUL\_n78-n80 | 20 | 0.3 |
| n80 | 0.5 |
| n78 | 0.8 |
| DC\_20\_SUL\_n78-n82 | 20 | 0.6 |
| n78 | 0.8 |
| n82 | 0.6 |
| DC\_20\_SUL\_n78-n83 | 20 | 0.8 |
| n78 | 0.8 |
| n83 | 0.8 |
| DC\_21-42\_n77 | 21 | 0.4 |
| 42 | 0.8 |
| n77 | 0.8 |
| DC\_21-42\_n78 | 21 | 0.4 |
| 42 | 0.8 |
| n78 | 0.8 |
| DC\_21-42\_n79 | 21 | 0.4 |
| 42 | 0.8 |
| DC\_21\_n77-n79 | 21 | 0.4 |
| n77 | 0.8 |
| n79 | 0 |
| DC\_21\_n78-n79 | 21 | 0.4 |
| n78 | 0.8 |
| n79 | 0.5 |
| DC\_28-42\_n77 | 28 | 0.5 |
| 42 | 0.8 |
| n77 | 0.8 |
| DC\_28-42\_n78 | 28 | 0.5 |
| 42 | 0.8 |
| n78 | 0.8 |
| DC\_28-42\_n79 | 28 | 0.5 |
| 42 | 0.8 |
| DC\_28\_SUL\_n78-n83 | 28 | 0.5 |
| n78 | 0.8 |
| n83 | 0.5 |
| DC\_41-42\_n77 | 41 | 0.5 |
| 42 | 0.8 |
| n77 | 0.8 |
| DC\_41-42\_n78 | 41 | 0.5 |
| 42 | 0.8 |
| n78 | 0.8 |
| DC\_41-42\_n79 | 41 | 0. |
| 42 | 0.8 |
| DC\_41\_n77 | 41 | 0.3 |
| n77 | 0.8 |
| DC\_41\_n78 | 41 | 0.3 |
| n78 | 0.8 |
| DC\_41\_n79 | 41 | 0.3 |
| n79 | 0.8 |
| DC\_66\_(n)71 | 66 | 0.3 |
| 71 | 0.3 |
| n71 | 0.3 |
| DC\_66\_SUL\_n78-n86 | 66 | 0.6 |
| n78 | 0.8 |
| n86 | 0.6 |
| NOTE 1: The requirement is applied for UE transmitting on the frequency range of 2545-2690MHz.  NOTE 2: The requirement is applied for UE transmitting on the frequency range of 2496-2545MHz.  NOTE 3: The requirement is applied for UE transmitting on the frequency range of 2515 – 2690 MHz.  NOTE 4: The requirement is applied for UE transmitting on the frequency range of 2496 – 2515 MHz. | | |

###### 6.2B.4.2.3.3 ΔTIB,c for EN-DC four bands

Table 6.2B.4.2.3.3-1: ΔTIB,c due to EN-DC(four bands)

| Inter-band EN-DC configuration | E-UTRA or NR Band | ΔTIB,c (dB) |
| --- | --- | --- |
| DC\_1-3-5\_n78 | 1 | 0.6 |
| 3 | 0.6 |
| 5 | 0.3 |
| n78 | 0.8 |
| DC\_1-3-5\_n79 | 1 | 0.3 |
| 3 | 0.3 |
| 5 | 0.3 |
| DC\_1-3-7\_n28 | 1 | 0.6 |
| 3 | 0.6 |
| 7 | 0.6 |
| n28 | 0.6 |
| DC\_1-3-7\_n78  DC\_1-3-7-7\_n78 | 1 | 0.7 |
| 3 | 0.7 |
| 7 | 0.7 |
| n78 | 0.8 |
| DC\_1-3-8\_n78 | 1 | 0.6 |
| 3 | 0.6 |
| 8 | 0.6 |
| n78 | 0.8 |
| DC\_1-3-28\_n77 | 1 | 0.6 |
| 3 | 0.6 |
| 28 | 0.6 |
| n77 | 0.8 |
| DC\_1-3-28\_n78 | 1 | 0.6 |
| 3 | 0.6 |
| 28 | 0.6 |
| n78 | 0.8 |
| DC\_1-3\_n28-n78 | 1 | 0.6 |
| 3 | 0.6 |
| n28 | 0.6 |
| n78 | 0.8 |
| DC\_1-3-28\_n79 | 1 | 0.6 |
| 3 | 0.6 |
| 28 | 0.6 |
| DC\_1-3-18\_n77 | 1 | 0.6 |
| 3 | 0.6 |
| 18 | 0.3 |
| n77 | 0.8 |
| DC\_1-3-18\_n78 | 1 | 0.6 |
| 3 | 0.6 |
| 18 | 0.3 |
| n78 | 0.8 |
| DC\_1-3-18\_n79 | 1 | 0.3 |
| 3 | 0.3 |
| 18 | 0.3 |
| DC\_1-3-19\_n78 | 1 | 0.6 |
| 3 | 0.6 |
| 19 | 0.3 |
| n78 | 0.8 |
| DC\_1-3-19\_n79 | 1 | 0.3 |
| 3 | 0.3 |
| 19 | 0.3 |
| DC\_1-3-20\_n28 | 1 | 0.3 |
| 3 | 0.3 |
| 20 | 0.6 |
| n28 | 0.6 |
| DC\_1-3-20\_n78 | 1 | 0.6 |
| 3 | 0.6 |
| 20 | 0.3 |
| n78 | 0.8 |
| DC\_1-3-21\_n77 | 1 | 0.6 |
| 3 | 0.8 |
| 21 | 0.9 |
| n77 | 0.8 |
| DC\_1-3-21\_n78 | 1 | 0.6 |
| 3 | 0.8 |
| 21 | 0.9 |
| n78 | 0.8 |
| DC\_1-3-21\_n79 | 1 | 0.3 |
| 3 | 0.8 |
| 21 | 0.9 |
| DC\_1-3-41\_n77 | 1 | 0.6 |
| 3 | 0.6 |
| 41 | 0.5 |
| n77 | 0.8 |
| DC\_1-3-41\_n78 | 1 | 0.6 |
| 3 | 0.6 |
| 41 | 0.5 |
| n78 | 0.8 |
| DC\_1-3-41\_n79 | 1 | 0.5 |
| 3 | 0.5 |
| 41 | 0.31/0.82 |
| DC\_1-3-42\_n77 | 1 | 0.6 |
| 3 | 0.6 |
| 42 | 0.8 |
| n77 | 0.8 |
| DC\_1-3-42\_n78 | 1 | 0.6 |
| 3 | 0.6 |
| 42 | 0.8 |
| n78 | 0.8 |
| DC\_1-3-42\_n79 | 1 | 0.6 |
| 3 | 0.6 |
| 42 | 0.8 |
| DC\_1-3\_SUL\_n78-n80 | 1 | 0.6 |
| 3, n80 | 0.6 |
| n78 | 0.8 |
| DC\_1-5-7\_n78  DC\_1-5-7-7\_n78 | 1 | 0.6 |
| 5 | 0.6 |
| 7 | 0.6 |
| n78 | 0.8 |
| DC\_1-5-41\_n79 | 1 | 0.5 |
| 5 | 0.3 |
| 41 | 0.5 |
| DC\_1-7-20\_n28 | 1 | 0.5 |
| 7 | 0.6 |
| 20 | 0.6 |
| n28 | 0.6 |
| DC\_1-7-20\_n78 | 1 | 0.6 |
| 7 | 0.7 |
| 20 | 0.4 |
| n78 | 0.8 |
| DC\_1-7-28\_n78 | 1 | 0.6 |
| 7 | 0.6 |
| 28 | 0.6 |
| n78 | 0.8 |
| DC\_1-7\_n28-n78 | 1 | 0.6 |
| 7 | 0.6 |
| n28 | 0.6 |
| n78 | 0.8 |
| DC\_1-8-20\_n78A | 1 | 0.3 |
| 8 | 0.6 |
| 20 | 0.6 |
| n78 | 0.8 |
| DC\_1-18-28\_n77 | 1 | 0.3 |
| 18 | 0.5 |
| 28 | 0.5 |
| n77 | 0.8 |
| DC\_1-18-28\_n78 | 1 | 0.3 |
| 18 | 0.5 |
| 28 | 0.5 |
| n78 | 0.8 |
| DC\_1-18-28\_n79 | 1 | 0.3 |
| 18 | 0.5 |
| 28 | 0.5 |
| DC\_1-18-42\_n77 | 1 | 0.3 |
| 18 | 0.3 |
| 42 | 0.8 |
| n77 | 0.8 |
| DC\_1-18-42\_n78 | 1 | 0.3 |
| 18 | 0.3 |
| 42 | 0.8 |
| n78 | 0.8 |
| DC\_1-18-42\_n79 | 1 | 0.3 |
| 18 | 0.3 |
| 42 | 0.8 |
| DC\_1-19-42\_n77 | 1 | 0.6 |
| 19 | 0.3 |
| 42 | 0.8 |
| n77 | 0.8 |
| DC\_1-19-42\_n78 | 1 | 0.3 |
| 19 | 0.3 |
| 42 | 0.8 |
| n78 | 0.8 |
| DC\_1-19-42\_n79 | 1 | 0.3 |
| 19 | 0.3 |
| 42 | 0.8 |
| DC\_1-20\_n28-n78 | 1 | 0.3 |
| 20 | 0.6 |
| n28 | 0.6 |
| n78 | 0.8 |
| DC\_1-21-28\_n77 | 1 | 0.6 |
| 21 | 0.4 |
| 28 | 0.6 |
| n77 | 0.8 |
| DC\_1-21-28\_n78 | 1 | 0.3 |
| 21 | 0.4 |
| 28 | 0.6 |
| n78 | 0.8 |
| DC\_1-21-28\_n79 | 1 | 0.3 |
| 21 | 0.4 |
| 28 | 0.6 |
| DC\_1-21-42\_n77 | 1 | 0.6 |
| 21 | 0.4 |
| 42 | 0.8 |
| n77 | 0.8 |
| DC\_1-21-42\_n78 | 1 | 0.3 |
| 21 | 0.4 |
| 42 | 0.8 |
| n78 | 0.8 |
| DC\_1-21-42\_n79 | 1 | 0.3 |
| 21 | 0.4 |
| 42 | 0.8 |
| DC\_1-28-42\_n77 | 1 | 0.6 |
| 28 | 0.6 |
| 42 | 0.8 |
| n77 | 0.8 |
| DC\_1-28-42\_n78 | 1 | 0.3 |
| 28 | 0.6 |
| 42 | 0.8 |
| n78 | 0.8 |
| DC\_1-28-42\_n79 | 1 | 0.3 |
| 28 | 0.6 |
| 42 | 0.8 |
| DC\_1-41-42\_n77 | 1 | 0.5 |
| 41 | 0.5 |
| 42 | 0.8 |
| n77 | 0.8 |
| DC\_1-41-42\_n78 | 1 | 0.5 |
| 41 | 0.5 |
| 42 | 0.8 |
| n78 | 0.8 |
| DC\_1-41-42\_n79 | 1 | 0.5 |
| 41 | 0.5 |
| 42 | 0.8 |
| DC\_2-66-(n)71 | 2 | 0.5 |
| 66 | 0.5 |
| 71 | 0.3 |
| n71 |
| DC\_3-5-7\_n78, DC\_3-5-7-7\_n78 | 3 | 0.6 |
| 5 | 0.6 |
| 7 | 0.6 |
| n78 | 0.8 |
| DC\_3-5-41\_n79 | 3 | 0.5 |
| 5 | 0.33 |
| 41 | 0.31/0.82 |
| DC\_3-7-20\_n28 | 3 | 0.5 |
| 7 | 0.5 |
| 20 | 0.6 |
| n28 | 0.5 |
| DC\_3-7-20\_n78 | 3 | 0.6 |
| 7 | 0.6 |
| 20 | 0.3 |
| n78 | 0.8 |
| DC\_3-7-28\_n78 | 3 | 0.6 |
| 7 | 0.6 |
| 28 | 0.6 |
| n78 | 0.8 |
| DC\_3-7\_n28-n78 | 3 | 0.6 |
| 7 | 0.6 |
| n28 | 0.6 |
| n78 | 0.8 |
| DC\_3-7\_SUL\_n78-n80 | 7 | 0.6 |
| 3, n80 | 0.6 |
| n78 | 0.8 |
| DC\_3-8-20\_n78A | 3 | 0.6 |
| 8 | 0.6 |
| 20 | 0.6 |
| n78 | 0.8 |
| DC\_3-8\_SUL\_n78-n80 | 3, n80 | 0.6 |
| 8 | 0.6 |
| n78 | 0.8 |
| DC\_3-18-42\_n77 | 3 | 0.3 |
| 18 | 0.3 |
| 42 | 0.8 |
| n77 | 0.8 |
| DC\_3-18-42\_n78 | 3 | 0.3 |
| 18 | 0.3 |
| 42 | 0.8 |
| n78 | 0.8 |
| DC\_3-18-42\_n79 | 3 | 0.6 |
| 18 | 0.3 |
| 42 | 0.8 |
| DC\_3-19-21\_n77 | 3 | 0.8 |
| 19 | 0.3 |
| 21 | 0.9 |
| n77 | 0.8 |
| DC\_3-19-21\_n78 | 3 | 0.8 |
| 19 | 0.3 |
| 21 | 0.9 |
| n78 | 0.8 |
| DC\_3-19-21\_n79 | 3 | 0.8 |
| 19 | 0.3 |
| 21 | 0.9 |
| DC\_3-19-42\_n77 | 3 | 0.6 |
| 19 | 0.3 |
| 42 | 0.8 |
| n77 | 0.8 |
| DC\_3-19-42\_n78 | 3 | 0.6 |
| 19 | 0.3 |
| 42 | 0.8 |
| n78 | 0.8 |
| DC\_3-19-42\_n79 | 3 | 0.6 |
| 19 | 0.3 |
| 42 | 0.8 |
| DC\_3-20\_n28-n78 | 3 | 0.6 |
| 20 | 0.6 |
| n28 | 0.6 |
| n78 | 0.8 |
| DC\_3\_20\_SUL\_n78-n80 | 3, n80 | 0.5 |
| 20 | 0.3 |
| n78 | 0.8 |
| DC\_3-28-42\_n77 | 3 | 0.6 |
| 28 | 0.5 |
| 42 | 0.8 |
| n77 | 0.8 |
| DC\_3-28-42\_n78 | 3 | 0.6 |
| 28 | 0.5 |
| 42 | 0.8 |
| n78 | 0.8 |
| DC\_3-28-42\_n79 | 3 | 0.6 |
| 28 | 0.5 |
| 42 | 0.8 |
| DC\_3-21-42\_n77 | 3 | 0.8 |
| 21 | 0.9 |
| 42 | 0.8 |
| n77 | 0.8 |
| DC\_3-21-42\_n78 | 3 | 0.8 |
| 21 | 0.9 |
| 42 | 0.8 |
| n78 | 0.8 |
| DC\_3-21-42\_n79 | 3 | 0.8 |
| 21 | 0.9 |
| 42 | 0.8 |
| DC\_3-41-42\_n77 | 3 | 1 |
| 41 | 0.31/0.82 |
| 42 | 0.8 |
| n77 | 0.8 |
| DC\_3-41-42\_n78 | 3 | 1 |
| 41 | 0.31/0.82 |
| 42 | 0.8 |
| n78 | 0.8 |
| DC\_3-41-42\_n79 | 3 | 1 |
| 41 | 0.31/0.82 |
| 42 | 0.8 |
| DC\_7-20\_n28-n78 | 7 | 0.3 |
| 20 | 0.6 |
| n28 | 0.6 |
| n78 | 0.8 |
| DC\_19-21-42\_n77 | 19 | 0.3 |
| 21 | 0.4 |
| 42 | 0.8 |
| n77 | 0.8 |
| DC\_19-21-42\_n78 | 19 | 0.3 |
| 21 | 0.4 |
| 42 | 0.8 |
| n78 | 0.8 |
| DC\_19-21-42\_n79 | 19 | 0.3 |
| 21 | 0.4 |
| 42 | 0.8 |
| DC\_21-28-42\_n77 | 21 | 0.4 |
| 28 | 0.5 |
| 42 | 0.8 |
| n77 | 0.8 |
| DC\_21-28-42\_n78 | 21 | 0.4 |
| 28 | 0.5 |
| 42 | 0.8 |
| n78 | 0.8 |
| DC\_21-28-42\_n79 | 21 | 0.4 |
| 28 | 0.5 |
| 42 | 0.8 |
| NOTE 1: The requirement is applied for UE transmitting on the frequency range of 2545 - 2690 MHz.  NOTE 2: The requirement is applied for UE transmitting on the frequency range of 2496 - 2545 MHz.  NOTE 3: The values in the table reflect what can be achieved with the present state of the art technology. They shall be reconsidered when the state of the art technology progresses. | | |

## **<Next Section>**

##### 6.5B.3.3.2 Spurious emission band UE co-existence

This clause specifies the requirements for the specified EN-DC, for coexistence with protected bands. The requirements in Table 6.5B.3.3.2-1 apply on each component carrier with all component carriers are active.

Table 6.5B.3.3.2-1: Requirements

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **EN-DC Configuration** | **Spurious emission** | | | | | | |
| **Protected band** | **Frequency range (MHz)** | | | **Maximum Level (dBm)** | **MBW (MHz)** | **NOTE** |
| DC\_1\_n28 | E-UTRA Band 18, 19, 27, 31, 32, 72  NR band n5, n7, n8, n20, n26, n38, n40, n41, n50, n51, n74 | FDL\_low | - | FDL\_high | -50 | 1 |  |
| E-UTRA Band42, 43  NR band n78, n75, n76 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
| NR band n3, n34 | FDL\_low | - | FDL\_high | -50 | 1 | 5 |
| E-UTRA Band 11, 21 | FDL\_low | - | FDL\_high | -50 | 1 | 9, 11 |
| E-UTRA Band 65  NR band n1 | FDL\_low | - | FDL\_high | -50 | 1 | 9, 10 |
| Frequency range | 470 | - | 694 | -42 | 8 | 5, 17 |
| Frequency range | 470 | - | 710 | -26.2 | 6 | 14 |
| Frequency range | 758 | - | 773 | -32 | 1 | 5 |
| Frequency range | 773 | - | 803 | -50 | 1 |  |
| Frequency range | 662 | - | 694 | -26.2 | 6 | 5 |
| Frequency range | 1880 | - | 1895 | -40 | 1 | 5,16 |
| Frequency range | 1895 | - | 1915 | -15.5 | 5 | 5, 7, 16 |
| Frequency range | 1915 | - | 1920 | +1.6 | 5 | 5, 7, 16 |
| Frequency range | 1839.9 | - | 1879.9 | -50 | 1 | 5 |
| Frequency range | 1884.5 | - | 1915.7 | -41 | 0.3 | 9, 15 |
| DC\_1\_n40 | Band 1, 5, 7, 8, 11, 18, 19, 20, 21, 22, 26, 27, 28, 31, 32, 38, 40, 41, 42, 43, 44, 45, 50, 51, 52, 65, 67, 68, 69, 72, 73, 74, 75, 76 | FDL\_low | - | FDL\_high | -50 | 1 |  |
| Band 3, 34 | FDL\_low | - | FDL\_high | -50 | 1 | 5 |
| Frequency range | 1880 |  | 1895 | -40 | 1 | 5, 17 |
| Frequency range | 1895 |  | 1915 | -15.5 | 5 | 5, 7, 17 |
| Frequency range | 1915 |  | 1920 | +1.6 | 5 | 5, 7, 17 |
| DC\_1\_n51 | E-UTRA Band 7, 12, 13, 17, 20, 22, 27, 28, 29, 31, 38, 44, 48, 67, 68, 69, 72, 73 | FDL\_low | - | FDL\_high | -50 | 1 |  |
| E-UTRA Band 3, 34 | FDL\_low | - | FDL\_high | -50 | 1 | 5, 2 |
| Frequency range | 1880 | - | 1895 | -40 | 1 | 5, 16 |
| Frequency range | 1895 | - | 1915 | -15.5 | 5 | 5, 7, 16 |
| Frequency range | 1915 | - | 1920 | +1.6 | 5 | 5, 7, 16 |
| E-UTRA Band 5, 6, 8, 26, 30, 40, 41, 42, 43, 46  NR Band n77, n78, n79, | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
| DC\_1\_n77 | E-UTRA Band 1, 3, 5, 7, 8, 11, 18, 19, 20, 21, 26, 28, 34, 39, 40, 41, 65 | FDL\_low | - | FDL\_high | -50 | 1 |  |
| Frequency range | 1880 | - | 1895 | -40 | 1 | 5, 8 |
| Frequency range | 1895 | - | 1915 | -15.5 | 5 | 5, 7, 8 |
| Frequency range | 1915 | - | 1920 | +1.6 | 5 | 5, 7, 8 |
| DC\_1\_n78  DC\_1\_n84\_ULSUP-TDM\_n78  DC\_1\_n84\_ULSUP-FDM\_n78 | E-UTRA Band 1, 3, 5, 7, 8, 11, 18, 19, 20, 21, 26, 28, 34, 40, 41, 65 | FDL\_low | - | FDL\_high | -50 | 1 |  |
| Frequency range | 1880 | - | 1895 | -40 | 1 | 5, 8 |
| Frequency range | 1895 | - | 1915 | -15.5 | 5 | 5, 7, 8 |
| Frequency range | 1915 | - | 1920 | +1.6 | 5 | 5, 7, 8 |
| DC\_1\_n79, DC\_1\_n84\_ULSUP-TDM | E-UTRA Band 1, 3, 5, 7, 8, 11, 18, 19, 21, 26, 28, 34, 40, 41, 42, 65 | FDL\_low | - | FDL\_high | -50 | 1 |  |
| Frequency range | 1880 | - | 1895 | -40 | 1 | 5, 8 |
| Frequency range | 1895 | - | 1915 | -15.5 | 5 | 5, 7, 8 |
| Frequency range | 1915 | - | 1920 | +1.6 | 5 | 5, 7, 8 |
| DC\_1\_n80 | E-UTRA Band 1, 5, 7, 8, 11, 18, 19, 20, 21, 26, 27, 28, 31, 32, 38, 40, 41, 43, 44, 45, 50, 51, 65, 67, 68, 69, 72, 73,74, 75, 76,  NR Band n79 | FDL\_low | - | FDL\_high | -50 | 1 |  |
| E-UTRA Band 3, 34 | FDL\_low | - | FDL\_high | -50 | 1 | 5 |
| E-UTRA Band 22, 42,  NR Band n77, n78 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
| Frequency range | 1884.5 | - | 1915.7 | -41 | 0.3 | 13 |
| DC\_2\_n5 | Bands 4, 5, 10, 12, 13, 14, 17, 24, 28, 29, 30, 42, 48, 50, 51, 66, 70, 71, n71, 74, 85 | FDL\_low | - | FDL\_high | -50 | 1 |  |
| Bands 2, 25, 48 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
| E-UTRA Band 26 | 859 | - | 869 | -27 | 1 |  |
| E-UTRA Band 41, 43 | FDL\_low | - | FDL\_high | -50 | 1 |  |
| DC\_2\_n66 | Bands 4, 5, 10, 12, 13, 14, 17, 24, 26, 27, 28, 29, 30, 41, 50, 51, 66, 70, 71, n71, 74, 85 | FDL\_low | - | FDL\_high | -50 | 1 |  |
| Bands 2, 25 | FDL\_low | - | FDL\_high | -50 | 1 | 5 |
| Bands 42, 48 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
| DC\_2\_n71 | E-UTRA Band 4, 5, 12, 13, 14, 17, 24, 26, 29, 30, 48, 66 | FDL\_low | - | FDL\_high | -50 | 1 |  |
| E-UTRA Band 2, 25, 41, 70 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
| NR Band n71 | FDL\_low | - | FDL\_high | -50 | 1 | 5 |
| DC\_2\_n78 | E-UTRA Band 4, 5, 10, 12, 13, 14, 17, 24, 26, 27, 28, 29, 30, 41, 42, 48, 50, 51, 66, 70, 71, 74, 85 | FDL\_low | - | FDL\_high | -50 | 1 |  |
| E-UTRA Band 2, 25 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
| DC\_3\_n1 | E-UTRA Band 1, 5, 7, 8, 11, 18, 19, 20, 21, 26, 27, 28, 31, 32, 38, 40, 41, 43, 44, 50, 51, 65, 67, 72, 73, 74, 75, 76  NR band n1, n5, n7, n8, n20, n28, n38, n40, n41, n51, n75, n76 | FDL\_low | - | FDL\_high | -50 | 1 |  |
| E-UTRA band 3, 34 NR band n3, n34 | FDL\_low | - | FDL\_high | -50 | 1 | 5 |
| E-UTRA band 22, 42, 52 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
| Frequency range | 1884.5 | - | 1915.7 | -41 | 0.3 | 16 |
| Frequency range | 1880 |  | 1895 | -40 | 1 | 5,17 |
| Frequency range | 1895 |  | 1915 | -15.5 | 5 | 5, 7, 17 |
| Frequency range | 1915 |  | 1920 | +1.6 | 5 | 5, 7, 17 |
| DC\_3\_n7 | E-UTRA Band 1, 5, 7, 8, 20, 26, 27, 28, 31, 32, 33, 34, 40, 43, 44, 50, 51, 65, 67, 72, 74, 75, 76  NR Band n1, n5, n7, n8, n20, n28, n50, n51, n74, n75, n76 | FDL\_low | - | FDL\_high | -50 | 1 |  |
| E-UTRA band 3 | FDL\_low | - | FDL\_high | -50 | 1 | 5 |
| E-UTRA band 22, 42 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
| Frequency range | 2570 | - | 2575 | +1.6 | 5 | 5, 6, 7 |
| Frequency range | 2575 | - | 2595 | -15.5 | 5 | 5, 6, 7 |
| Frequency range | 2595 | - | 2620 | -40 | 1 | 5, 6 |
| DC\_3\_n28 | E-UTRA Band 42, 43, 65  NR band n1, n50, n51, n74, n75, n76, n78 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
| NR band n1 | FDL\_low | - | FDL\_high | -50 | 1 | 9, 10 |
| NR band n3 | FDL\_low | - | FDL\_high | -50 | 1 | 5 |
| E-UTRA Band 27, 31, 72  NR band n5, n7, n8, n20, n26, n34, n38, n40, n41 | FDL\_low | - | FDL\_high | -50 | 1 |  |
| E-UTRA Band 11, 18, 19, 21 | FDL\_low | - | FDL\_high | -50 | 1 | 13 |
| Frequency range | 1884.5 | - | 1915.7 | -41 | 0.3 | 13 |
| Frequency range | 470 | - | 710 | -26.2 | 6 | 14 |
| Frequency range | 758 | - | 773 | -32 | 1 | 5 |
| Frequency range | 773 | - | 803 | -50 | 1 |  |
| Frequency range | 1884.5 | - | 1915.7 | -41 | 0.3 | 3, 9 |
| DC\_3\_n40 | Band 1, 5, 7, 8, 20, 26, 27, 28, 31, 32, 33, 34, 38, 39, 41, 43, 44. 45, 50, 51, 65, 67, 68, 69, 72, 73, 75, 76 | FDL\_low | - | FDL\_high | -50 | 1 |  |
| Band 3 | FDL\_low | - | FDL\_high | -50 | 1 | 5 |
| Band 22, 42, 52 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
| Frequency range | 1884.5 | - | 1915.7 | -41 | 0.3 | 3 |
| DC\_3-n41 | E-UTRA Band 1, 5, 8, 20, 26, 27, 28, 34, 39, 40, 44, 45, 50, 51, 65, 73, 74 | FDL\_low | - | FDL\_high | -50 | 1 |  |
| E-UTRA Band 3 | FDL\_low | - | FDL\_high | -50 | 1 | 5 |
| E-UTRA Band 11, 18, 19, 21 | FDL\_low | - | FDL\_high | -50 | 1 | 14, 20 |
| E-UTRA Band 42,  NR Band n77, n78, n79 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
| Frequency range | 1884.5 | - | 1915.7 | -41 | 0.3 | 3, 20 |
| DC\_3A\_n41A,  DC\_3A\_n80A\_ULSUP-TDM,  DC\_3A\_n80A\_ULSUP-FDM,  DC\_3C\_n41A,  DC\_3C\_n80A\_ULSUP-TDM,  DC\_3C\_n80A\_ULSUP-FDM | E-UTRA Band 1, 5, 8, 26, 27, 28, 34, 39, 40, 44, 45, 50, 51, 65, 73, 74 | FDL\_low | - | FDL\_high | -50 | 1 |  |
| E-UTRA Band 11, 18, 19, 21 | FDL\_low | - | FDL\_high | -50 | 1 |  |
| Frequency range | 1884.5 | - | 1915.7 | -41 | 0.3 | 3 |
| DC\_3\_n51 | E-UTRA Band 7, 8, 12, 13, 17, 20, 27, 28, 31, 33, 38, 48, 67, 68, 69, 72, 73 | FDL\_low | - | FDL\_high | -50 | 1 |  |
| E-UTRA Band 3 | FDL\_low | - | FDL\_high | -50 | 1 | 5 |
| E-UTRA Band 1, 5, 6, 22, 26, 30, 34, 36, 40, 41, 42, 43, 44, 46, 65, 71 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
| DC\_3\_n77 | E-UTRA Band 1, 3, 5, 7, 8, 11, 18, 19, 20, 21, 26, 28, 34, 39, 40, 41, 65 | FDL\_low | - | FDL\_high | -50 | 1 |  |
| Frequency range | 1884.5 | - | 1915.7 | -41 | 0.3 | 3 |
| DC\_3\_n78  DC\_3\_n80\_ULSUP-TDM\_n78,  DC\_3\_n80\_ULSUP-FDM\_n78 | E-UTRA Band 1, 3, 5, 7, 8, 11, 18, 19, 20, 21, 26, 28, 34, 39, 40, 41, 65 | FDL\_low | - | FDL\_high | -50 | 1 |  |
| Frequency range | 1884.5 | - | 1915.7 | -41 | 0.3 | 3 |
| DC\_3\_n79 DC\_3\_n80\_ULSUP-TDM\_n79,  DC\_3\_n80\_ULSUP-FDM\_n79 | E-UTRA Band 1, 3, 5, 8, 11, 18, 19, 21, 28, 34, 39, 40, 41, 65 | FDL\_low | - | FDL\_high | -50 | 1 |  |
| E-UTRA Band 42 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
| Frequency range | 1884.5 | - | 1915.7 | -41 | 0.3 | 3 |
| DC\_3\_n82 | E-UTRA Band 1, 3 7, 8, 20，22, 31, 32, 33, 34, 38, 40, 43, 50, 51, 65, 67, 68, 69, 72,74, 75, 76 | FDL\_low | - | FDL\_high | -50 | 1 |  |
| E-UTRA Band 42 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
| DC\_5\_n40 | Band 1, 3, 5, 7, 8, 28, 31, 34, 38, 42, 43, 45, 65, 73 | FDL\_low | - | FDL\_high | -50 | 1 |  |
| Band 26 | 859 | - | 869 | -27 | 1 |  |
| Band 41, 52 | FDL\_low | - | FDL\_high | -50 | 1 |  |
| Frequency range | 1884.5 | - | 1915.7 | -41 | 0.3 | 3 |
| DC\_5\_n66 | Bands 1, 2, 3, 4, 5, 6, 7, 8, 10, 12, 13, 14, 17, 24, 25, 28, 29, 30, 34, 38, 40, 43, 45, 50, 51, 65, 66, 70, 71, n71, 85 | FDL\_low | - | FDL\_high | -50 | 1 |  |
| E-UTRA Band 26 | 859 | - | 869 | -27 | 1 |  |
| Bands 41, 42, 48, 52 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
| E-UTRA Band 18, 19 | FDL\_low | - | FDL\_high | -40 | 1 |  |
| E-UTRA Band 11, 21 | FDL\_low | - | FDL\_high | -50 | 1 |  |
| Frequency range | 1884.5 | - | 1915.7 | -41 | 0.3 | 3 |
| DC\_5\_n71 | E-UTRA Band 4, 5, 12, 13, 14, 17, 24, 26, 30, 48, 66, 85 | FDL\_low | - | FDL\_high | -50 | 1 |  |
| E-UTRA Band 2, 25, 41, 70 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
| E-UTRA Band 29 | FDL\_low | - | FDL\_high | -38 | 1 | 5 |
| E-UTRA Band 71 | FDL\_low | - | FDL\_high | -50 | 1 | 5 |
| DC\_5\_n78 | E-UTRA Band 1, 2, 3, 4, 5, 7, 8, 10, 12, 13, 14, 17, 24, 25, 28, 29, 30, 31, 34, 38, 40, 42, 43, 45, 48, 65, 66, 70 | FDL\_low | - | FDL\_high | -50 | 1 |  |
| E-UTRA Band 26 | 859 | - | 869 | -27 | 1 |  |
| Frequency range | 945 | - | 960 | -50 | 1 |  |
| Frequency range | 1884.5 | - | 1915.7 | -41 | 0.3 | 3, 4 |
| Frequency range | 2545 | - | 2575 | -50 | 1 |  |
| Frequency range | 2595 | - | 2645 | -50 | 1 |  |
| E-UTRA Band 41 | FDL\_low | - | FDL\_high | -50 | 1 | 7 |
| E-UTRA Band 18, 19 | FDL\_low | - | FDL\_high | -40 | 1 | 4 |
| E-UTRA Band 11, 21 | FDL\_low | - | FDL\_high | -50 | 1 | 4 |
| DC\_5\_n79 | Bands 1, 2, 3, 4, 5, 7, 8, 10, 12, 13, 14, 17, 24, 25, 28, 29, 30, 31, 34, 38, 40, 42, 43, 45, 48, 50, 51, 65, 66, 70, 71, 73, 74, 85 | FDL\_low | - | FDL\_high | -50 | 1 |  |
| E-UTRA Band 26 | 859 | - | 869 | -27 | 1 |  |
| Bands 41, 52 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
| E-UTRA Band 18, 19 | FDL\_low | - | FDL\_high | -40 | 1 | 4 |
| E-UTRA Band 11, 21 | FDL\_low | - | FDL\_high | -50 | 1 | 4 |
| Frequency range | 1884.5 | - | 1915.7 | -41 | 0.3 | 3, 4 |
| NR Band n257 | 26500 | - | 29500 | -5 | 100 |  |
| NR Band n258 | 24250 | - | 27500 | -5 | 100 |  |
| DC\_7\_n28 | E-UTRA Band 27, 31, 72  NR band n2, n3, n5, n7, n8, n20, n26, n34, n40 | FDL\_low | - | FDL\_high | -50 | 1 |  |
| E-UTRA Band 4, 10, 42, 43, 65  NR band n1, n50, n51, n66, n74, n75, n76, n78 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
| NR band n1 | FDL\_low | - | FDL\_high | -50 | 1 | 9, 10 |
| Frequency range | 758 | - | 773 | -32 | 1 | 5 |
| Frequency range | 773 | - | 803 | -50 | 1 |  |
| Frequency range | 2570 | - | 2575 | +1.6 | 5 | 5, 6, 7 |
| Frequency range | 2575 | - | 2595 | -15.5 | 5 | 5, 6, 7 |
| Frequency range | 2595 | - | 2620 | -40 | 1 | 5, 6 |
| DC\_7\_n51 | E-UTRA Band 2, 3, 5, 8, 26, 30, 31, 32, 33, 34, 40, 48, 72 | FDL\_low | - | FDL\_high | -50 | 1 |  |
| Frequency range | 2570 | - | 2575 | +1.6 | 5 | 5, 7, 16 |
| Frequency range | 2575 | - | 2595 | -15.5 | 5 | 5, 7, 16 |
| Frequency range | 2595 | - | 2620 | -40 | 1 | 5 |
| E-UTRA Band 1, 4, 10, 12, 13, 14, 17, 20, 22, 23, 27, 28, 29, 42, 43, 44, 46, 65, 66, 67, 68  NR Band n77, n78, n79, | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
| DC\_7\_n78 | E-UTRA Band 1, 2, 3, 4, 5, 7, 8, 10, 11, 18, 19, 20, 21, 26, 27, 28, 31, 32, 33, 34, 40, 50, 51, 65, 66, 67, 68, 72, 74, 75, 76 | FDL\_low | - | FDL\_high | -50 | 1 |  |
| Frequency range | 2570 | - | 2575 | +1.6 | 5 | 5, 6, 7 |
| Frequency range | 2575 | - | 2595 | -15.5 | 5 | 5, 6, 7 |
| Frequency range | 2595 | - | 2620 | -40 | 1 | 5, 6 |
| DC\_7\_n80 | E-UTRA Band 1, 5, 7, 8, 20, 26, 27, 28, 31, 32, 33, 34, 40, 42, 43, 50, 51, 65, 67, 68, 72, 74, 75, 76.  NR Band n79 | FDL\_low | - | FDL\_high | -50 | 1 |  |
| E-UTRA Band 3, 34 | FDL\_low | - | FDL\_high | -50 | 1 | 5 |
| E-UTRA Band 22, 42,  NR Band n77, n78 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
| Frequency range | 2570 | - | 2575 | +1.6 | 5 | 5, 6, 7 |
| Frequency range | 2575 | - | 2595 | -15.5 | 5 | 5, 6, 7 |
| Frequency range | 2595 | - | 2620 | -40 | 1 | 5, 6 |
| DC\_8\_n40 | Band 1, 20, 28, 31, 32, 33, 34, 38, 39, 40, 45, 50, 51, 65, 67, 68, 69, 72, 73, 74, 75, 76 | FDL\_low | - | FDL\_high | -50 | 1 |  |
| Band 3, 7, 22, 41, 42, 43, 52 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
| Band 8 | FDL\_low | - | FDL\_high | -50 | 1 | 5 |
| Band 11, 21 | FDL\_low | - | FDL\_high | -50 | 1 | 12 |
| Frequency range | 860 | - | 890 | -40 | 1 | 5, 12 |
| Frequency range | 1884.5 | - | 1915.7 | -41 | 0.3 | ３, 12 |
| DC\_8A\_41A | E-UTRA Band 1, 28, 34, 39, 40, 45, 50, 51, 65, 73,74, n77,78,79 | FDL\_low | - | FDL\_high | -50 | 1 |  |
| E-UTRA band 3, 42, 52 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
| E-UTRA band 11, 21 | FDL\_low | - | FDL\_high | -50 | 1 |  |
| Frequency range | 1884.5 | - | 1915.7 | -41 | 0.3 | 3 |
| DC\_8A\_41A,  DC\_8A\_n81A\_ULSUP-TDM,  DC\_8A\_n81A\_ULSUP-FDM | E-UTRA Band 1, 28, 34, 39, 40, 45, 50, 51, 65, 73, 74 | FDL\_low | - | FDL\_high | -50 | 1 |  |
| E-UTRA band 3, 42 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
| E-UTRA Band 8 | FDL\_low | - | FDL\_high | -50 | 1 | 5 |
| E-UTRA Band 11, 21 | FDL\_low | - | FDL\_high | -50 | 1 | 13 |
| Frequency range | 1884.5 |  | 1915.7 | -41 | 0.3 | 3 |
| DC\_8\_n77 | E-UTRA Band 1, 20, 28, 31, 32, 33, 34, 38, 39, 40, 44, 45, 50, 51, 65, 67, 68, 69, 72, 73, 74, 75, 76 | FDL\_low | - | FDL\_high | -50 | 1 |  |
| E-UTRA band 3, 7, 22, 41 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
| E-UTRA Band 8 | FDL\_low | - | FDL\_high | -50 | 1 | 5 |
| E-UTRA Band 11, 21 | FDL\_low | - | FDL\_high | -50 | 1 | 12 |
| Frequency range | 860 | - | 890 | -40 | 1 | 5, 12 |
| Frequency range | 1884.5 | - | 1915.7 | -41 | 0.3 | 3, 12 |
| DC\_8\_n78  DC\_8\_n81\_ULSUP-TDM\_n78,  DC\_8\_n81\_ULSUP-FDM\_n78 | E-UTRA Band 1,8, 20, 28, 34, 39, 40,65 | FDL\_low | - | FDL\_high | -50 | 1 |  |
| E-UTRA Band 3, 7,41 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
| E-UTRA Band 11, 21 | FDL\_low | - | FDL\_high | -50 | 1 | 12 |
| Frequency range | 860 | - | 890 | -40 | 1 | 5, 12 |
| Frequency range | 1884.5 | - | 1915.7 | -41 | 0.3 | 3, 12 |
| DC\_8\_n79  DC\_8\_n81\_ULSUP-TDM\_n79,  DC\_8\_n81\_ULSUP-FDM\_n79 | E-UTRA Band 1,8,28,34,39,40,65 | FDL\_low | - | FDL\_high | -50 | 1 |  |
| E-UTRA Band 3,41,42 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
| E-UTRA Band 11, 21 | FDL\_low | - | FDL\_high | -50 | 1 | 12 |
| Frequency range | 860 | - | 890 | -40 | 1 | 5, 12 |
| Frequency range | 1884.5 | - | 1915.7 | -41 | 0.3 | 3 |
| DC\_8\_n80 | E-UTRA Band 1, 20, 28, 31, 32, 33, 34, 38, 39, 40, 45, 50, 51, 65, 67, 68, 69, 72, 73, 74, 75, 76  NR Band n79 | FDL\_low | - | FDL\_high | -50 | 1 |  |
| E-UTRA Band 3, 8 | FDL\_low | - | FDL\_high | -50 | 1 | 5 |
| E-UTRA Band 3, 7, 22, 41, 42, 43, 52  NR Band n77, n78 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
| E-UTRA Band 11, 21 | FDL\_low | - | FDL\_high | -50 | 1 | 13 |
| Frequency range | 1884.5 | - | 1915.7 | -41 | 0.3 | 3 |
| DC\_11\_n77 | E-UTRA Band 1, 3, 18, 19, 28, 34, 65 | FDL\_low | - | FDL\_high | -50 | 1 |  |
| Frequency range | 945 | - | 960 | -50 | 1 |  |
| Frequency range | 1884.5 | - | 1915.7 | -41 | 0.3 | 3 |
| Frequency range | 2545 | - | 2575 | -50 | 1 |  |
| Frequency range | 2595 | - | 2645 | -50 | 1 |  |
| DC\_11\_n78 | E-UTRA Band 1, 3, 18, 19, 28, 34, 65 | FDL\_low | - | FDL\_high | -50 | 1 |  |
| Frequency range | 945 | - | 960 | -50 | 1 |  |
| Frequency range | 1884.5 | - | 1915.7 | -41 | 0.3 | 3 |
| Frequency range | 2545 | - | 2575 | -50 | 1 |  |
| Frequency range | 2595 | - | 2645 | -50 | 1 |  |
| DC\_11\_n79 | E-UTRA Band 1, 3, 18, 19, 28, 34, 42, 65 | FDL\_low | - | FDL\_high | -50 | 1 |  |
| Frequency range | 945 | - | 960 | -50 | 1 |  |
| Frequency range | 1884.5 | - | 1915.7 | -41 | 0.3 | 3 |
| Frequency range | 2545 | - | 2575 | -50 | 1 |  |
| Frequency range | 2595 | - | 2645 | -50 | 1 |  |
| DC\_12\_n5 | Bands 2, 5, 12, 13, 14, 17, 24, 25, 30, 42, 43 50, 51, 71, n71, 74 | FDL\_low | - | FDL\_high | -50 | 1 |  |
| Bands 4, 10, 41, 48, 66, 70 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
| Band 26 | 859 | - | 869 | -27 | 1 |  |
| Band 12, 85 | FDL\_low | - | FDL\_high | -50 | 1 |  |
| DC\_12\_n66  DC\_12\_n5 | Bands 2, 4, 5, 13, 14, 17, 24, 25, 26, 27, 29, 30, 41, 50, 51, 70, 71, n71, 74 | FDL\_low | - | FDL\_high | -50 | 1 |  |
| Bands 4, 10, 48 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
| Bands 12, 85 | FDL\_low | - | FDL\_high | -50 | 1 | 5 |
| Bands 2, 5, 12, 13, 14, 17, 24, 25, 30, 42, 43 50, 51, 71, n71, 74 | FDL\_low | - | FDL\_high | -50 | 1 |  |
| DC\_12\_n71 | E-UTRA Band 5, 13, 14, 17, 24, 26, 27, 30, 48, 50, 51, 74 | FDL\_low | - | FDL\_high | -50 | 1 |  |
| E-UTRA Band 2, 4, 25, 41, 66, 70 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
| E-UTRA Band 12, 71, 85 | FDL\_low | - | FDL\_high | -50 | 1 | 5 |
| DC\_18\_n77 | E-UTRA Band 1, 3, 11, 21, 28, 34, 65 | FDL\_low | - | FDL\_high | -50 | 1 |  |
| Frequency range | 945 | - | 960 | -50 | 1 |  |
| Frequency range | 1884.5 | - | 1915.7 | -41 | 0.3 | 3 |
| Frequency range | 2545 | - | 2575 | -50 | 1 |  |
| Frequency range | 2595 | - | 2645 | -50 | 1 |  |
| DC\_18\_n78 | E-UTRA Band 1, 3, 11, 21, 28, 34, 65 | FDL\_low | - | FDL\_high | -50 | 1 |  |
| Frequency range | 945 | - | 960 | -50 | 1 |  |
| Frequency range | 1884.5 | - | 1915.7 | -41 | 0.3 | 3 |
| Frequency range | 2545 | - | 2575 | -50 | 1 |  |
| Frequency range | 2595 | - | 2645 | -50 | 1 |  |
| DC\_18\_n79 | E-UTRA Band 1, 3, 11, 21, 28, 34, 42, 65 | FDL\_low | - | FDL\_high | -50 | 1 |  |
| Frequency range | 945 | - | 960 | -50 | 1 |  |
| Frequency range | 1884.5 | - | 1915.7 | -41 | 0.3 | 3 |
| Frequency range | 2545 | - | 2575 | -50 | 1 |  |
| Frequency range | 2595 | - | 2645 | -50 | 1 |  |
| DC\_19\_n77 | E-UTRA Band 1, 3, 11, 21, 28, 34, 65 | FDL\_low | - | FDL\_high | -50 | 1 |  |
| Frequency range | 945 | - | 960 | -50 | 1 |  |
| Frequency range | 1884.5 | - | 1915.7 | -41 | 0.3 | 3 |
| Frequency range | 2545 | - | 2575 | -50 | 1 |  |
| Frequency range | 2595 | - | 2645 | -50 | 1 |  |
| DC\_19\_n78 | E-UTRA Band 1, 3, 11, 21, 28, 34, 65 | FDL\_low | - | FDL\_high | -50 | 1 |  |
| Frequency range | 945 | - | 960 | -50 | 1 |  |
| Frequency range | 1884.5 | - | 1915.7 | -41 | 0.3 | 3 |
| Frequency range | 2545 | - | 2575 | -50 | 1 |  |
| Frequency range | 2595 | - | 2645 | -50 | 1 |  |
| DC\_19\_n79 | E-UTRA Band 1, 3, 11, 21, 28, 34, 42, 65 | FDL\_low | - | FDL\_high | -50 | 1 |  |
| Frequency range | 945 | - | 960 | -50 | 1 |  |
| Frequency range | 1884.5 | - | 1915.7 | -41 | 0.3 | 3 |
| Frequency range | 2545 | - | 2575 | -50 | 1 |  |
| Frequency range | 2595 | - | 2645 | -50 | 1 |  |
| DC\_20\_n8 | E-UTRA Band 1, 3, 7, 22, 28, 31, 32, 34, 38, 42, 43, 65, 75, 76, n78 | FDL\_low | - | FDL\_high | -50 | 1 |  |
| DC\_20\_n28  DC\_20\_n83 | E-UTRA Band 1, 3, 7, 8, 22, 31, 32, 34, 38, 42, 43, 65, 75, 76 | FDL\_low | - | FDL\_high | -50 | 1 |  |
| DC\_20\_n51 | E-UTRA Band 1, 3, 4, 8, 17, 22, 28, 29, 31, 40, 43, 48, 65, 66, 68, 72 | FDL\_low | - | FDL\_high | -50 | 1 |  |
| E-UTRA Band 20 | FDL\_low | - | FDL\_high | -50 | 1 | 5 |
| Frequency range | 758 | - | 788 | -50 | 1 |  |
| E-UTRA Band 2, 7, 25, 32, 33, 34, 35, 36, 37, 38, 39, 41, 42, 46, 69, 70  NR Band n77, n78, n79, | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
| DC\_20\_n77 | E-UTRA Band 1, 3, 7, 8, 31, 32, 33, 34, 40, 50, 51, 65, 67, 68, 72, 74, 75, 76 |  |  |  |  |  |  |
| E-UTRA Band 20 | FDL\_low | - | FDL\_high | -50 | 1 | 5 |
| E-UTRA Band 38, 69 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
| DC\_20\_n78,  DC\_20\_n82\_ULSUP-TDM\_n78,  DC\_20\_n82\_ULSUP-FDM\_n78 | E-UTRA Band 1, 3, 7, 8, 22, 31, 32, 33, 34, 40, 42, 43, 50, 51, 65, 67, 68, 72, 74, 75, 76 |  |  |  |  |  |  |
| E-UTRA Band 20 | FDL\_low | - | FDL\_high | -50 | 1 | 5 |
| E-UTRA Band 38, 69 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
| DC\_20\_n80 | E-UTRA Band 1, 7, 8, 27, 28, 31, 32, 33, 34, 40, 43, 50, 51, 65, 67, 68, 72, 74, 75, 76.  NR Band n79 | FDL\_low | - | FDL\_high | -50 | 1 |  |
| E-UTRA Band 3, 20 | FDL\_low | - | FDL\_high | -50 | 1 | 5 |
| E-UTRA Band 22, 42,  NR Band n77, n78 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
| DC\_21\_n77 | E-UTRA Band 1, 3, 18, 19, 21, 28, 34, 65 | FDL\_low | - | FDL\_high | -50 | 1 |  |
| Frequency range | 945 | - | 960 | -50 | 1 |  |
| Frequency range | 1884.5 | - | 1915.7 | -41 | 0.3 | 3 |
| Frequency range | 2545 | - | 2575 | -50 | 1 |  |
| Frequency range | 2595 | - | 2645 | -50 | 1 |  |
| DC\_21\_n78 | E-UTRA Band 1, 3, 18, 19, 21, 28, 34, 65 | FDL\_low | - | FDL\_high | -50 | 1 |  |
| Frequency range | 945 | - | 960 | -50 | 1 |  |
| Frequency range | 1884.5 | - | 1915.7 | -41 | 0.3 | 3 |
| Frequency range | 2545 | - | 2575 | -50 | 1 |  |
| Frequency range | 2595 | - | 2645 | -50 | 1 |  |
| DC\_21\_n79 | E-UTRA Band 1, 3, 18, 19, 21, 28, 34, 42, 65 | FDL\_low | - | FDL\_high | -50 | 1 |  |
| Frequency range | 945 | - | 960 | -50 | 1 |  |
| Frequency range | 1884.5 | - | 1915.7 | -41 | 0.3 | 3 |
| Frequency range | 2545 | - | 2575 | -50 | 1 |  |
| Frequency range | 2595 | - | 2645 | -50 | 1 |  |
| DC\_25\_n41 | NR band n5, n28, n66, n71  E-UTRA/NR Band 4, 10, 12, 13 , 14, 17, 24, 26, 27, 29, 30, 42, 45, 48, 70 | FDL\_low | - | FDL\_high | -50 | 1 |  |
| NR band n2  E-UTRA/NR Band 25 | FDL\_low | - | FDL\_high | -50 | 1 | 5 |
| EUTRA/NR Band 43 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
| DC\_26\_n41 | E-UTRA/NR Band 1, 2, 3, 4, 5, 10, 12, 13 , 14, 17, 24, 25, 26, 28, 29, 30, 31, 34, 39, 40, 42, 43, 48, 50, 51, 65, 66, 70, 71, 74 | FDL\_low | - | FDL\_high | -50 | 1 |  |
| E-UTRA Band 9, 11, 18, 19, 21 | FDL\_low | - | FDL\_high | -50 | 1 | 19 |
| Frequency range | 1884.5 |  | 1915.7 | -41 | 0.3 | 3, 19 |
| Frequency range | 703 | - | 799 | -50 | 1 |  |
| Frequency range | 799 | - | 803 | -40 | 1 | 5 |
| Frequency range | 945 | - | 960 | -50 | 1 |  |
| DC\_26\_n77 | E-UTRA Band 1, 3, 11, 21, 28, 34, 65 | FDL\_low | - | FDL\_high | -50 | 1 |  |
| Frequency range | 945 | - | 960 | -50 | 1 |  |
| Frequency range | 1884.5 | - | 1915.7 | -41 | 0.3 | 3 |
| Frequency range | 2545 | - | 2575 | -50 | 1 |  |
| Frequency range | 2595 | - | 2645 | -50 | 1 |  |
| DC\_26\_n78 | E-UTRA Band 1, 3, 11, 21, 28, 34, 65 | FDL\_low | - | FDL\_high | -50 | 1 |  |
| Frequency range | 945 | - | 960 | -50 | 1 |  |
| Frequency range | 1884.5 | - | 1915.7 | -41 | 0.3 | 3 |
| Frequency range | 2545 | - | 2575 | -50 | 1 |  |
| Frequency range | 2595 | - | 2645 | -50 | 1 |  |
| DC\_26\_n79 | E-UTRA Band 1, 3, 11, 21, 28, 34, 42, 65 | FDL\_low | - | FDL\_high | -50 | 1 |  |
| Frequency range | 945 | - | 960 | -50 | 1 |  |
| Frequency range | 1884.5 | - | 1915.7 | -41 | 0.3 | 3 |
| Frequency range | 2545 | - | 2575 | -50 | 1 |  |
| Frequency range | 2595 | - | 2645 | -50 | 1 |  |
| DC\_28\_n51 | E-UTRA Band 2, 3, 5, 7, 8, 25, 26, 31, 34, 38, 40, 41, 66, 72 | FDL\_low | - | FDL\_high | -50 | 1 |  |
| E-UTRA Band 4, 10, 20, 22, 24, 32, 42, 43, 45, 46, 65, 66, 71, 73  NR band n78, n79 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
| E-UTRA Band 1 | FDL\_low | - | FDL\_high | -50 | 1 | 2, 9, 10 |
| Frequency range | 470 | - | 694 | -42 | 8 | 5, 17 |
| Frequency range | 470 | - | 710 | -26.2 | 6 | 14 |
| Frequency range | 662 | - | 694 | -26.2 | 6 | 5 |
| Frequency range | 758 | - | 773 | -32 | 1 | 5 |
| Frequency range | 773 | - | 803 | -50 | 1 |  |
| DC\_28\_n77 | E-UTRA Band 3, 5, 7, 8, 18, 19, 20, 26, 34, 39, 40, 41 | FDL\_low | - | FDL\_high | -50 | 1 |  |
| E-UTRA Band 1, 65 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
| E-UTRA Band 1 | FDL\_low | - | FDL\_high | -50 | 1 | 9, 10 |
| E-UTRA Band 11, 21 | FDL\_low | - | FDL\_high | -50 | 1 | 9, 11 |
| Frequency range | 758 | - | 773 | -32 | 1 |  |
| Frequency range | 773 | - | 803 | -50 | 1 |  |
| Frequency range | 1884.5 | - | 1915.7 | -41 | 0.3 | 3 |
| DC\_28\_n78  DC\_28\_n83\_ULSUP-TDM\_n78,  DC\_28\_n83\_ULSUP-FDM\_n78 | E-UTRA Band 3, 5, 7, 8, 18, 19, 20, 26, 34, 39, 40, 41 | FDL\_low | - | FDL\_high | -50 | 1 |  |
| E-UTRA Band 1, 65 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
| E-UTRA Band 1 | FDL\_low | - | FDL\_high | -50 | 1 | 9, 10 |
| E-UTRA Band 11, 21 | FDL\_low | - | FDL\_high | -50 | 1 | 9, 11 |
| Frequency range | 758 | - | 773 | -32 | 1 |  |
| Frequency range | 773 | - | 803 | -50 | 1 |  |
| Frequency range | 1884.5 | - | 1915.7 | -41 | 0.3 | 3 |
| DC\_28\_n79 | E-UTRA Band 3, 5, 8, 18, 19, 34, 39, 40, 41, 42 | FDL\_low | - | FDL\_high | -50 | 1 |  |
| E-UTRA Band 1, 65 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
| E-UTRA Band 1 | FDL\_low | - | FDL\_high | -50 | 1 | 9, 10 |
| E-UTRA Band 11, 21 | FDL\_low | - | FDL\_high | -50 | 1 | 9, 11 |
| Frequency range | 758 | - | 773 | -32 | 1 |  |
| Frequency range | 773 | - | 803 | -50 | 1 |  |
| Frequency range | 1884.5 | - | 1915.7 | -41 | 0.3 | 3 |
| DC\_30\_n5 | Bands 1, 2, 3, 4, 5, 7, 8, 10, 12, 13, 14, 17, 24, 25, 28, 29, 30, 31, 34, 38, 40, 42, 43, 45, 48, 50, 51, 65, 66, 70, 71, 73, 74, 85 | FDL\_low | - | FDL\_high | -50 | 1 |  |
| Band 26 | 859 | - | 869 | -27 | 1 |  |
| Bands 41, 48, 52 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
| E-UTRA Band 18, 19 | FDL\_low | - | FDL\_high | -40 | 1 |  |
| E-UTRA Band 11, 21 | FDL\_low | - | FDL\_high | -50 | 1 |  |
| Frequency range | 1884.5 | - | 1915.7 | -41 | 0.3 | 3 |
| DC\_30\_n66 | Bands 2, 4, 5, 10, 12, 13, 14, 17, 24, 25, 26, 27, 29, 30, 38, 41, 66, 70, 71, n71 | FDL\_low | - | FDL\_high | -50 | 1 |  |
| Bands 48 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
| DC\_38\_n78 | N/A | | | | | | |
| DC\_39-n41 | E-UTRA Band 1, 8, 26, 34, 40, 42, 44, 45, 50, 51, 74 | FDL\_low | - | FDL\_high | -50 | 1 |  |
| NR Band n77, n78, n79 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
| Frequency range | 1805 | - | 1855 | -40 | 1 | 5 |
| Frequency range | 1855 | - | 1880 | -15.5 | 5 | 5, 7, 19 |
| DC\_39\_n78 | E-UTRA Band 1, 8, 34, 40, 41, 44, 45 or NR Band n1, n8, n34, n40, n41 | FDL\_low | - | FDL\_high | -50 | 1 |  |
| Frequency range | 1805 | - | 1855 | -40 | 1 | 18 |
| Frequency range | 1855 | - | 1880 | -15.5 | 5 | 18 |
| DC\_39\_n79 | E-UTRA Band 1, 8, 34, 40, 41, 44, 45 or NR Band n1, n8, n34, n40, n41 | FDL\_low | - | FDL\_high | -50 | 1 |  |
| Frequency range | 1805 | - | 1855 | -40 | 1 | 18 |
| Frequency range | 1855 | - | 1880 | -15.5 | 5 | 18 |
| DC\_40\_n77 | N/A | | | | | | |
| DC\_41\_n77 | E-UTRA Band 1, 3, 5, 8, 26, 28, 33, 34, 39, 40, 44, 45, 73, 74 | FDL\_low | - | FDL\_high | -50 | 1 |  |
| E-UTRA Band 9, 11, 18, 19, 21 | FDL\_low | - | FDL\_high | -50 | 1 | 19 |
| Frequency range | 1884.5 |  | 1915.7 | -41 | 0.3 | 3, 19 |
| DC\_41\_n78 | E-UTRA Band 1, 3, 8, 34, 39, 40, 44, 45 or NR Band n1, n8, n34, n40 | FDL\_low | - | FDL\_high | -50 | 1 |  |
| Frequency range | FDL\_low | - | FDL\_high | -5 | 100 |  |
| DC\_41\_n79 | E-UTRA Band 1, 3, 5, 8, 9, 11, 18, 19, 21, 28, 34, 40, 42, 44, 45, 65 or NR Band n1, n3, n8, n28, n34, n40 | FDL\_low | - | FDL\_high | -50 | 1 |  |
| Frequency range | 1884.5 | - | 1915.7 | -41 | 0.3 | 3 |
| DC\_42\_n51 | E-UTRA Band 3, 8, 20, 25, 30, 31, 34, 39, 41, 73 | FDL\_low | - | FDL\_high | -50 | 1 |  |
| E-UTRA Band 1, 2, 4, 5, 6, 7, 10, 12, 13, 14, 17, 23, 24, 26, 27, 28, 29, 32, 38, 40, 44, 46, 65, 66, 67, 68, 70, 71 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
| DC\_42\_n77 | N/A | | | | | | |
| DC\_42\_n78 | N/A | | | | | | |
| DC\_42\_n79 | N/A | | | | | | |
| DC\_66\_n5 | Bands 1, 2, 3, 4, 5, 6, 7, 8, 10, 12, 13, 14, 17, 24, 25, 28, 29, 30, 34, 38, 40, 43, 45, 50, 51, 65, 66, 70, 71, n71, 85 | FDL\_low | - | FDL\_high | -50 | 1 |  |
| E-UTRA Band 26 | 859 | - | 869 | -27 | 1 |  |
| Bands 41, 42, 48, 52 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
| E-UTRA Band 18, 19 | FDL\_low | - | FDL\_high | -40 | 1 |  |
| E-UTRA Band 11, 21 | FDL\_low | - | FDL\_high | -50 | 1 |  |
| Frequency range | 1884.5 | - | 1915.7 | -41 | 0.3 | 3 |
| DC\_66\_n71 | E-UTRA Band 4, 5, 7,10, 13, 14, 17, 22, 24, 26, 27, 29, 30, 43,50, 51, 66, 74 | FDL\_low | - | FDL\_high | -50 | 1 |  |
| E-UTRA Band 2, 25, 41, 42, 48, 70 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
| E-UTRA Band 71 | FDL\_low | - | FDL\_high | -50 | 1 | 5 |
| DC\_66\_n78,  DC\_66\_n86\_ULSUP-TDM\_n78,  DC\_66\_n86\_ULSUP-FDM\_n78 | E-UTRA Band 1, 3, 5, 7, 8, 20, 26, 28, 34, 39, 40, 41, 65 | FDL\_low | - | FDL\_high | -50 | 1 |  |
| NOTE 1: FDL\_low and FDL\_high refer to each E-UTRA frequency band specified in Table 5.5-1  NOTE 2: As exceptions, measurements with a level up to the applicable requirements defined in Table 6.6.3.1-2 are permitted for each assigned E-UTRA carrier used in the measurement due to 2nd, 3rd, 4th or 5th harmonic spurious emissions. Due to spreading of the harmonic emission the exception is also allowed for the first 1 MHz frequency range immediately outside the harmonic emission on both sides of the harmonic emission. This results in an overall exception interval centred at the harmonic emission of (2MHz + N x LCRB x 180kHz), where N is 2, 3, 4, 5 for the 2nd, 3rd, 4th or 5th harmonic respectively. The exception is allowed if the measurement bandwidth (MBW) totally or partially overlaps the overall exception interval.  NOTE 3: Applicable when co-existence with PHS system operating in 1884.5 -1915.7MHz  NOTE 4: Applicable only when the assigned E-UTRA carrier is confined within 824 MHz and 849 MHz for UE category M1, M2 and UE category NB1 and NB2.  NOTE 5: These requirements also apply for the frequency ranges that are less than FOOB (MHz) in Table 6.6.3.1-1 and Table 6.6.3.1A-1 from the edge of the channel bandwidth.  NOTE 6: This requirement is applicable for any channel bandwidths within the range 2500 - 2570 MHz with the following restriction: for carriers of 15 MHz bandwidth when carrier centre frequency is within the range 2560.5 - 2562.5 MHz and for carriers of 20 MHz bandwidth when carrier centre frequency is within the range 2552 - 2560 MHz the requirement is applicable only for an uplink transmission bandwidth less than or equal to 54 RB.  NOTE 7: For these adjacent bands, the emission limit could imply risk of harmful interference to UE(s) operating in the protected operating band.  NOTE 8: This requirement is applicable for any channel bandwidths within the range 1920 - 1980 MHz with the following restriction: for carriers of 15 MHz bandwidth when carrier centre frequency is within the range 1927.5 - 1929.5 MHz and for carriers of 20 MHz bandwidth when carrier centre frequency is within the range 1930 - 1938 MHz the requirement is applicable only for an uplink  NOTE 9: Applicable when the assigned E-UTRA carrier is confined within 718 MHz and 748 MHz and when the channel bandwidth used is 5 or 10 MHz.  NOTE 10: As exceptions, measurements with a level up to the applicable requirement of -36 dBm/MHz is permitted for each assigned E-UTRA carrier used in the measurement due to 2nd harmonic spurious emissions. An exception is allowed if there is at least one individual RB within the transmission bandwidth (see Figure 5.6-1) for which the 2nd harmonic totally or partially overlaps the measurement bandwidth (MBW).  NOTE 11: As exceptions, measurements with a level up to the applicable requirement of -38 dBm/MHz is permitted for each assigned E-UTRA carrier used in the measurement due to 3rd harmonic spurious emissions. An exception is allowed if there is at least one individual RB within the transmission bandwidth (see Figure 5.6-1) for which the 3rd harmonic totally or partially overlaps the measurement bandwidth (MBW).  NOTE 12: This requirement is applicable only for the following cases: - for carriers of 5 MHz channel bandwidth when carrier centre frequency (Fc) is within the range 902.5 MHz ≤ Fc < 907.5 MHz with an uplink transmission bandwidth less than or equal to 20 RB - for carriers of 5 MHz channel bandwidth when carrier centre frequency (Fc) is within the range 907.5 MHz ≤ Fc ≤ 912.5 MHz without any restriction on uplink transmission bandwidth. - for carriers of 10 MHz channel bandwidth when carrier centre frequency (Fc) is Fc = 910 MHz with an uplink transmission bandwidth less than or equal to 32 RB with RBstart > 3.  NOTE13: This requirement applies for 5, 10, 15 and 20 MHz E-UTRA channel bandwidth allocated within 1744.9MHz and 1784.9MHz.  NOTE 14: This requirement is applicable for 5 and 10 MHz E-UTRA channel bandwidth allocated within 718-728MHz. For carriers of 10 MHz bandwidth, this requirement applies for an uplink transmission bandwidth less than or equal to 30 RB with RBstart > 1 and RBstart<48.  NOTE 15: Applicable when NS\_05 in section 6.6.3.3.1 is signalled by the network.  NOTE 16: This requirement is applicable for any channel bandwidths within the range 1920 - 1980 MHz with the following restriction: for carriers of 15 MHz bandwidth when carrier centre frequency is within the range 1927.5 - 1929.5 MHz and for carriers of 20 MHz bandwidth when carrier centre frequency is within the range 1930 - 1938 MHz the requirement is applicable only for an uplink transmission bandwidth less than or equal to 54 RB.  NOTE 17: This requirement is applicable in the case of a 10 MHz E-UTRA carrier confined within 703 MHz and 733 MHz, otherwise the requirement of -25 dBm with a measurement bandwidth of 8 MHz applies.  NOTE 18: This requirement is only applicable for E-UTRA carriers with bandwidth confined within 1885-1920 MHz (requirement for carriers with at least 1RB confined within 1880 - 1885 MHz is not specified). This requirement applies for an uplink transmission bandwidth less than or equal to 54 RB for E-UTRA carriers of 15 MHz bandwidth when carrier center frequency is within the range 1892.5 - 1894.5 MHz and for E-UTRA carriers of 20 MHz bandwidth when carrier center frequency is within the range 1895 - 1903 MHz.  NOTE 19: This requirement applies when the E-UTRA and NR carriers are confined within 2545-2575MHz or 2595-2645MHz and the channel bandwidth is 10 or 20 MHz | | | | | | | |

## **<Next Section>**

###### 7.3B.2.3.5.1 Reference sensitivity exceptions for intermodulation interference due to dual uplink operation for EN-DC in NR FR1 involving two bands

Table 7.3B.2.3.5.1-1: Reference sensitivity exceptions for PCell due to dual uplink operation for EN-DC in NR FR1 (two bands)

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| NR or E-UTRA Band / Channel bandwidth / NRB / MSD | | | | | | | | |
| EN-DC  Configuration | EUTRA or NR band | UL Fc  (MHz) | UL/DL BW  (MHz) | UL  LCRB | DL Fc (MHz) | MSD  (dB) | Duplex mode | IMD order |
| DC\_1A\_n77A | 1 | 1950 | 5 | 25 | 2140 | 29.8 | FDD | IMD23 |
| 32.54 |
| n77 | 4090 | 10 | 25 | 4090 | N/A | TDD | N/A |
| DC\_1A\_n77A | 1 | 1950 | 5 | 25 | 2140 | 8.0 | FDD | IMD43 |
| 10.74 |
| n77 | 3710 | 10 | 25 | 3710 | N/A | TDD | N/A |
| DC\_1A\_n78A, DC\_1A\_SUL\_n78A-n84A | 1 | 1950 | 5 | 25 | 2140 | 8.0 | FDD | IMD43 |
| 10.74 |
| n78 | 3710 | 10 | 25 | 3710 | N/A | TDD |  |
| DC\_2A\_n66A | 2 | 1855 | 5 | 25 | 1935 | 20 | FDD | IMD3 |
| n66 | 1775 | 5 | 25 | 2175 | N/A | TDD | N/A |
| DC\_2A\_n66A | 2 | 1883.3 | 5 | 25 | 1963.3 | N/A | FDD | N/A |
| n66 | 1750 | 5 | 25 | 2150 | 4 | TDD | IMD5 |
| DC\_2A\_n78A | 2 | 1855 | 5 | 25 | 1940 | 26 | FDD | IMD23 |
| 28.74 |
| n78 | 3795 | 10 | 25 | 3795 | N/A | TDD | N/A |
| DC\_2A\_n78A | 2 | 1885 | 5 | 25 | 1955 | 8.0 | FDD | IMD43 |
| 10.74 |
| n78 | 3700 | 10 | 25 | 3700 | N/A | TDD | N/A |
| DC\_3\_n1 | 3 | 1760 | 5 | 25 | 1855 | N/A | FDD | N/A |
| n1 | 1950 | 5 | 25 | 2140 | [23] | FDD | IMD3 |
| DC\_3A\_n7A | 3 | 1730 | 5 | 25 | 1825 | N/A | FDD | N/A |
| n7 | 2535 | 10 | 50 | 2655 | 10.25 | FDD | IMD4 |
| DC\_3A\_n41A | 3 | 1740 | 5 | 25 | 1835 | 8.2 | FDD | IMD4 |
| n41 | 2657.5 | 10 | 52 | 2657.5 | N/A | TDD | IMD4 |
| DC\_3A\_SUL\_n41A-n80A, DC\_3C\_SUL\_n41A-n80A | 3 | 1740 | 5 | 25 | 1835 | 8.2 | FDD | IMD4 |
| n41 | 2657.5 | 10 | 52 | 2657.5 | N/A | TDD | N/A |
| DC\_3A\_n77A  DC\_3A\_n78A | 3 | 1740 | 5 | 25 | 1835 | 26 | FDD | IMD23 |
| 28.74 |
| n77, n78 | 3575 | 10 | 25 | 3575 | N/A | TDD | N/A |
| DC\_3A\_n77A  DC\_3A\_n78A | 3 | 1765 | 5 | 25 | 1860 | 8.0 | FDD | IMD43 |
| 10.74 |
| n77, n78 | 3435 | 10 | 25 | 3435 | N/A | TDD | N/A |
| DC\_3A\_n78A | 3 | 1712.5 | 5 | 25 | 1807.5 | TBD5 | FDD | IMD2 |
| n78 | 3515 | 10 | 50 | 3515 | N/A | TDD | N/A |
| 3 | 1762.5 | 5 | 25 | 1857.5 | N/A | FDD | N/A |
| n78 | 3465 | 10 | 50 | 3465 | N/A | TDD | N/A |
| DC\_3A-SUL\_n78A-n80A | 3 | 1740 | 5 | 25 | 1835 | 26 | FDD | IMD23 |
| 28.74 |
| n78 | 3575 | 10 | 25 | 3575 | N/A | TDD | N/A |
| DC\_3A\_SUL\_n78A-n80A | 3 | 1765 | 5 | 25 | 1860 | 8.0 | FDD | IMD43 |
| 10.74 |
| n78 | 3435 | 10 | 25 | 3435 | N/A | TDD | N/A |
| DC\_3C\_n78A | 3 | 1740 | 5 | 25 | 1835 | 26 | FDD | IMD24 |
| 28.75 |
| n78 | 3575 | 10 | 25 | 3575 | N/A | TDD | N/A |
| n78 | 3710 | 10 | 25 | 3710 | N/A | TDD | N/A |
| DC\_3C\_n78A | 3 | 1765 | 5 | 25 | 1860 | 8.0 | FDD | IMD44 |
| 10.75 |
| n78 | 3435 | 10 | 25 | 3435 | N/A | TDD | N/A |
| DC\_5A\_n66A | 5 | 838 | 5 | 25 | 883 | 30 | FDD | IMD23 |
| n66 | 1721 | 5 | 25 | 2121 | N/A | N/A |
| DC\_5A\_n78A | 5 | 844 | 5 | 25 | 889 | 8.3 | FDD | IMD4 |
| n78 | 3421 | 10 | 50 | 3421 | N/A | TDD | N/A |
| DC\_8A\_n41A | 8 | 882.5 | 5 | 25 | 927.5 | 12.1 | FDD | IMD33 |
| n41 | 2685 | 10 | 50 | 2685 | N/A | TDD | N/A |
| DC\_8A\_SUL\_n41A-n81A | 8 | 882.5 | 5 | 25 | 927.5 | 12.1 | FDD | IMD33 |
| n41 | 2685 | 10 | 52 | 2685 | N/A | TDD | N/A |
| DC\_8A\_n77A  DC\_8A\_n78A DC\_8A-SUL\_n78A-n81A | 8 | 897.5 | 5 | 25 | 942.5 | 8.3 | FDD | IMD4 |
| n77, n78 | 3635 | 10 | 50 | 3635 | N/A | TDD | H4 |
| DC\_8A\_n79A DC\_8A-SUL\_n79A-n81A | 8 | 897.5 | 5 | 25 | 942.5 | 4.8 | FDD | IMD5 |
| n79 | 4532.5 | 40 | 216 | 4532.5 | N/A | TDD | N/A |
| DC\_20A\_n8A | 20 | 849.5 | 5 | 25 | 808.5 | 21 | FDD | IMD3 |
| n8 | 892.5 | 5 | 25 | 937.5 | 21 | FDD | IMD3 |
| DC\_20A\_n77A | 20 | 850 | 5 | 25 | 810 | 11 | FDD | IMD4 |
| n77 | 3360 | 10 | 50 | 3360 | N/A | TDD | N/A |
| 20 | 840 | 5 | 25 | 800 | 6.5 | FDD | IMD5 |
| n77 | 4160 | 10 | 50 | 4150 | N/A | TDD | N/A |
| DC\_20A\_n78A, DC\_20A-SUL\_n78A-n82A | 20 | 850 | 5 | 25 | 810 | 21.7 | FDD | IMD44 |
| n78 | 3360 | 10 | 50 | 3360 | N/A | TDD | N/A |
| DC\_21A\_n79A | 21 | 1457.5 | 5 | 25 | 1505.5 | 18.4 | FDD | IMD3 |
| n79 | 4420.5 | 40 | 216 | 4420.5 | N/A | TDD | N/A |
| DC\_26A\_n41A | 26 | 839 | 5 | 25 | 884 | 15.6 | FDD | IMD3 |
| n41 | 2562 | 10 | 50 | 2562 | N/A | TDD | N/A |
| DC\_28A\_n51A | 28 | 725.5 | 20 | 25 | 765.5 | 5 | FDD | IMD 4, 5 |
| n51 | 1429.5 | 5 | 25 | 1429.5 | 5 | TDD | IMD 4, 5 |
| DC\_26A\_n77A  DC\_26A\_n78A | 26 | 836.5 | 5 | 25 | 881.5 | 11.1 | FDD | IMD4 |
| n77, n78 | 3390 | 10 | 50 | 3390 | N/A | TDD | N/A |
| CA\_28A\_n77A,  CA\_28A\_n78A, DC\_28A-SUL\_n78A-n83A | 28 | 705.5 | 5 | 25 | 760.5 | 5.5 | FDD | IMD5 |
| n77, n78 | 3582.5 | 10 | 25 | 3582.5 | N/A | TDD | N/A |
| DC\_66A\_n5A | n5 | 838 | 5 | 25 | 883 | 30 | FDD | IMD23 |
| 66 | 1721 | 5 | 25 | 2121 | N/A |  | N/A |
| DC\_66A\_n71A | 66 | 1750 | 5 | 25 | 2150 | 5 | FDD | IMD4 |
| n71 | 675 | 5 | 25 | 629 | N/A |  | N/A |
| NOTE 1: Both of the transmitters shall be set min(+20 dBm, PCMAX\_L,c) as defined in subclause 6.2.5A. In case Single UL is allowed and the UE only indicates support of “Single UL” the output power of the active UL shall be set at PCMAX\_L,c or set to the maximum output power according to the UE power scaling capability.  NOTE 2: RBSTART = 0  NOTE 3: This band is subject to IMD5 also which MSD is not specified.  NOTE 4: Applicable only if operation with 4 antenna ports is supported in the band with carrier aggregation configured.  NOTE 5: For UEs only indicating support of Single UL, this requirement is verified with non-simultaneous uplink transmissions on the E-UTRA and NR CGs | | | | | | | | |

###### 7.3B.2.3.5.2 Reference sensitivity exceptions for intermodulation interference due to dual uplink operation for EN-DC in NR FR1 involving three bands

Table 7.3B.2.3.5.2-0: Reference sensitivity exceptions for Pcell due to dual uplink operation for EN-DC in NR FR1 (three bands)

| EN-DC Configuration | EUTRA/NR band | UL Fc  (MHz) | UL/DL BW  (MHz) | UL  LCRB | DL Fc (MHz) | MSD  (dB) | Duplex mode | IMD order |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| DC\_66A\_(n)71AA | 66 | 1750 | 5 | 25 | 2150 | 5 | FDD | IMD4 |
| n71 | 678 | 10 | 10 (RBstart =0) | 632 | N/A | N/A |

Table 7.3B.2.3.5.2-1: Reference sensitivity exceptions for Scell due to dual uplink operation for EN-DC in NR FR1 (three bands)

| **EN-DC Configuration** | **EUTRA/NR band** | **UL Fc  (MHz)** | **UL/DL BW  (MHz)** | **UL**  **LCRB** | **DL Fc (MHz)** | **MSD  (dB)** | **Duplex mode** | **IMD order** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| DC\_1A-3A\_n28A | 1 | 1975 | 5 | 25 | 2165 | N/A | FDD | N/A |
| n28 | 710.5 | 5 | 25 | 765.5 | N/A | FDD | N/A |
| 3 | 1723.5 | 5 | 25 | 1818.5 | 4.0 | FDD | IMD5 |
| DC\_1A-3A\_n28A | 3 | 1780 | 5 | 25 | 1875 | N/A | FDD | N/A |
| n28 | 710.5 | 5 | 25 | 765.5 | N/A | FDD | N/A |
| 1 | 1949 | 5 | 25 | 2139 | 11.0 | FDD | IMD4 |
| DC\_1A-7A\_n28A | 1 | 1935 | 5 | 25 | 2125 | N/A | FDD | N/A |
| n28 | 718 | 5 | 25 | 773 | N/A | FDD | N/A |
| 7 | 2533 | 10 | 50 | 2653 | 30.0 | FDD | IMD2 |
| DC\_1A-3A\_n77A | 1 | 1950 | 5 | 25 | 2140 | N/A | FDD | N/A |
| 3 | 1712.5 | 5 | 25 | 1807.5 | 31.5 | IMD2 |
| n77 | 3757.5 | 10 | 50 | 3757.5 | N/A | TDD | N/A |
| 1 | 1950 | 5 | 25 | 2140 | N/A | FDD | N/A |
| 3 | 1775 | 5 | 25 | 1870 | 8.5 | IMD4 |
| n77 | 3980 | 10 | 50 | 3980 | N/A | TDD | N/A |
| 1 | 1950 | 5 | 25 | 2140 | 31.0 | FDD | IMD2 |
| 3 | 1775 | 5 | 25 | 1870 | N/A | N/A |
| n77 | 3915 | 10 | 50 | 3915 | N/A | TDD | N/A |
| DC\_1A-3A\_n78A  DC\_1A-3C\_n78A | 1 | 1950 | 5 | 25 | 2140 | N/A | FDD | N/A |
| 3 | 1712.5 | 5 | 25 | 1807.5 | 31.2 | IMD2  |fB78-fB1| |
| n78 | 3757.5 | 10 | 50 | 3757.5 | N/A | TDD | N/A |
| 1 | 1935 | 5 | 25 | 2125 | 2.8 | FDD | IMD5  |2\*fB78-3\*fB3| |
| 3 | 1775 | 5 | 25 | 1870 | N/A | N/A |
| n78 | 3725 | 10 | 50 | 3725 | N/A | TDD | N/A |
| DC\_1A\_n3A-n78A | 1 | 1950 | 5 | 25 | 2140 | N/A | FDD | N/A |
| n3 | 1750 | 5 | 25 | 1845 | N/A | FDD | N/A |
| n78 | 3700 | 10 | 50 | 3700 | 28.4 | TDD | IMD2  |fB1+fn3| |
| 1 | 1950 | 5 | 25 | 2140 | N/A | FDD | N/A |
| n3 | 1735 | 5 | 25 | 1830 | 27.9 | FDD | IMD2  |fn78-fB1| |
| n78 | 3780 | 10 | 50 | 3780 | N/A | TDD | N/A |
| DC\_1A-5A\_n78A | 1 | 1932 | 5 | 25 | 2122 | 18.1 | FDD | IMD3  |fB78-2\*fB5| |
| 5 | 829 | 5 | 25 | 874 | N/A | FDD | N/A |
| n78 | 3780 | 10 | 50 | 3780 | N/A | TDD | N/A |
| 1 | 1975 | 5 | 25 | 2165 | N/A | FDD | N/A |
| 5 | 840 | 5 | 25 | 885 | 3.1 | FDD | IMD5  |2\*fB78-3\*fB1| |
| n78 | 3405 | 10 | 50 | 3405 | N/A | TDD | N/A |
| DC\_1A-7A\_n78A  DC\_1A-7C\_n78A | 1 | 1977.5 | 5 | 25 | 2167.5 | N/A | FDD | N/A |
| 7 | 2507.5 | 5 | 25 | 2627.5 | 9.1 | FDD | IMD4  |fB78-3\*fB1| |
| n78 | 3305 | 10 | 50 | 3305 | N/A | TDD | N/A |
| 1 | 1950 | 5 | 25 | 2140 | 8.7 | FDD | IMD4  |2\*fB78-2\*fB7| |
| 7 | 2510 | 10 | 50 | 2630 | N/A | FDD | N/A |
| n78 | 3310 | 10 | 50 | 3310 | N/A | TDD | N/A |
| DC\_1A-3A\_n79A | 1 | 1950 | 5 | 25 | 2140 | 3.6 | FDD | IMD5 |
| 3 | 1750 | 5 | 25 | 1845 | N/A | N/A |
| n79 | 4860 | 40 | 216 | 4860 | N/A | TDD | N/A |
| DC\_1A-5A\_n79A | 1 | 1950 | 5 | 25 | 2140 | N/A | FDD | N/A |
| 5 | 837.5 | 5 | 25 | 882.5 | 18.3 | FDD | IMD3 |
| n79 | 4782.5 | 40 | 216 | 4782.5 | N/A | TDD | N/A |
| 1 | 1930 | 5 | 25 | 2120 | N/A | FDD | N/A |
| 5 | 837.5 | 5 | 25 | 882.5 | 8.9 | FDD | IMD4 |
| n79 | 4907.5 | 40 | 216 | 4907.5 | N/A | TDD | N/A |
| 1 | 1950 | 5 | 25 | 2140 | 8.1 | FDD | IMD4 |
| 5 | 837.5 | 5 | 25 | 882.5 | N/A | FDD | N/A |
| n79 | 4652.5 | 40 | 216 | 4652.5 | N/A | TDD | N/A |
| DC\_1A-18A\_n77A | 1 | 1930 | 5 | 25 | 2120 | 16.4 | FDD | IMD3 |
| 18 | 825 | 5 | 25 | 870 | N/A |  | N/A |
| n77 | 3770 | 10 | 50 | 3770 | N/A | TDD | N/A |
| DC\_1A-18A\_n78A | 1 | 1930 | 5 | 25 | 2120 | 16.4 | FDD | IMD3 |
| 18 | 819 | 5 | 25 | 864 | N/A |  | N/A |
| n78 | 3758 | 10 | 50 | 3758 | N/A | TDD | N/A |
| DC\_1A-18A\_n79A | 1 | 1935 | 5 | 25 | 2125 | N/A | FDD | N/A |
| 18 | 822.5 | 5 | 25 | 867.5 | 18.3 | FDD | IMD3 |
| n79 | 4782.5 | 40 | 216 | 4782.5 | N/A | TDD | N/A |
| 1 | 1930 | 5 | 25 | 2120 | N/A | FDD | N/A |
| 18 | 820 | 5 | 25 | 865 | 8.9 | FDD | IMD4 |
| n79 | 4925 | 40 | 216 | 4925 | N/A | TDD | N/A |
| 1 | 1935 | 5 | 25 | 2125 | 8.1 | FDD | IMD4 |
| 18 | 822.5 | 5 | 25 | 867.5 | N/A | FDD | N/A |
| n79 | 4782.5 | 40 | 216 | 4782.5 | N/A | TDD | N/A |
| DC\_1A-19A\_n77A  DC\_1A-19A\_n78A | 1 | 1940 | 5 | 25 | 2130 | 17.8 | FDD | IMD3 |
| 19 | 832.5 | 5 | 25 | 877.5 | N/A | N/A |
| n77, n78 | 3795 | 10 | 50 | 3795 | N/A | TDD | N/A |
| DC\_1A-19A\_n79A | 1 | 1950 | 5 | 25 | 2140 | N/A | FDD | N/A |
| 19 | 837.5 | 5 | 25 | 882.5 | 18.3 | IMD3 |
| n79 | 4782.5 | 40 | 216 | 4782.5 | N/A | TDD | N/A |
| 1 | 1950 | 5 | 25 | 2140 | 8.1 | FDD | IMD4 |
| 19 | 837.5 | 5 | 25 | 882.5 | N/A | N/A |
| n79 | 4652.5 | 40 | 216 | 4652.5 | N/A | TDD | N/A |
| DC\_1A-20A\_n78A | 1 | 1930 | 5 | 25 | 2120 | 20.3 | FDD | IMD3 |
| 20 | 835 | 5 | 25 | 794 | N/A | FDD | N/A |
| n78 | 3790 | 10 | 50 | 3790 | N/A | TDD | N/A |
| DC\_1A-20A\_n78A | 1 | 1950 | 5 | 25 | 2140 | N/A | FDD | N/A |
| 20 | 851 | 5 | 25 | 810 | 3.0 | FDD | IMD5 |
| n78 | 3330 | 10 | 50 | 3330 | N/A | TDD | N/A |
| DC\_1A-21A\_n77A  DC\_1A-21A\_n78A | 1 | 1964.6 | 5 | 25 | 2154.6 | 30.6 | FDD | IMD2 |
| 21 | 1450.4 | 5 | 25 | 1498.4 | N/A | N/A |
| n77, n78 | 3605 | 10 | 50 | 3605 | N/A | TDD | N/A |
| 1 | 1950 | 5 | 25 | 2140 | N/A | FDD | N/A |
| 21 | 1452 | 5 | 25 | 1500 | 2.9 | IMD5 |
| n77, n78 | 3675 | 10 | 50 | 3675 | N/A | TDD | N/A |
| DC\_1A-28A\_n77A | 1 | 1960 | 5 | 25 | 2150 | 15.8 | FDD | IMD3 |
| 28 | 740 | 5 | 25 | 795 | N/A |  | N/A |
| n77 | 3630 | 10 | 50 | 3630 | N/A | TDD | N/A |
| DC\_1A-28A\_n77A | 1 | 1960 | 5 | 25 | 2150 | N/A | FDD | N/A |
| 28 | 725 | 5 | 25 | 780 | 4.3 |  | IMD5 |
| n77 | 3330 | 10 | 50 | 3330 | N/A | TDD | N/A |
| DC\_1A-28A\_n78A | 1 | 1960 | 5 | 25 | 2150 | 15.7 | FDD | IMD3 |
| 28 | 740 | 5 | 25 | 795 | N/A |  | N/A |
| n78 | 3630 | 10 | 50 | 3630 | N/A | TDD | N/A |
| DC\_1A-28A\_n78A | 1 | 1970 | 5 | 25 | 2160 | N/A | FDD | N/A |
| 28 | 739 | 5 | 25 | 794 | 4.2 |  | IMD5 |
| n78 | 3352 | 10 | 50 | 3352 | N/A | TDD | N/A |
| DC\_1A\_n28A-n78A | 1 | 1950 | 5 | 25 | 2140 | N/A | FDD | N/A |
| n28 | 733 | 5 | 25 | 788 | N/A |  | N/A |
| n78 | 3416 | 10 | 50 | 3416 | 15.7 | TDD | IMD3 |
| 1 | 1950 | 5 | 25 | 2140 | N/A | FDD | N/A |
| n78 | 3320 | 10 | 50 | 3320 | N/A | TDD | N/A |
| n28 | 735 | 5 | 25 | 790 | 3.3 | FDD | IMD5 |
| DC\_1A-28A\_n79A | 1 | 1930 | 5 | 25 | 2120 | N/A | FDD | N/A |
| 28 | 733 | 5 | 25 | 788 | 15.2 | FDD | IMD3 |
| n79 | 4648 | 40 | 216 | 4648 | N/A | TDD | N/A |
| 1 | 1925 | 5 | 25 | 2115 | N/A | FDD | N/A |
| 28 | 740 | 5 | 25 | 795 | 10.0 | FDD | IMD4 |
| n79 | 4980 | 40 | 216 | 4980 | N/A | TDD | N/A |
| 1 | 1977.5 | 5 | 25 | 2167.5 | 1.2 | FDD | IMD4 |
| 28 | 745.5 | 5 | 25 | 800.5 | N/A | FDD | N/A |
| n79 | 4420 | 40 | 216 | 4420 | N/A | TDD | N/A |
| 1 | 1935 | 5 | 25 | 2125 | 4.5 | FDD | IMD5 |
| 28 | 718 | 5 | 25 | 773 | N/A | FDD | N/A |
| n79 | 4807 | 40 | 216 | 4807 | N/A | TDD | N/A |
| DC\_1A-41A\_n77A | 1 | 1970 | 5 | 25 | 2160 | N/A | FDD | N/A |
| n77 | 3400 | 10 | 50 | 3400 |  | TDD |
| 41 | 2510 | 5 | 25 | 2510 | 11.0 | TDD | IMD4 |
| 1 | 1930 | 5 | 25 | 2120 | N/A | FDD | N/A |
| n77 | 4150 | 10 | 50 | 4150 |  | TDD |
| 41 | 2510 | 5 | 25 | 2510 | 3.6 | TDD | IMD5 |
| DC\_1A-41A\_n78A | 1 | 1975 | 5 | 25 | 2165 | N/A | FDD | N/A |
| 41 |  | 5 | 25 | 2515 | 12 | TDD | IMD4 |
| n78 | 3410 | 10 | 50 | 3410 | N/A | TDD | N/A |
| DC\_1A-41A\_n79A | 1 | 1970 | 5 | 25 | 2160 | N/A | FDD | N/A |
| n79 | 4500 | 40 | 216 | 4500 |  | TDD |
| 41 | 2530 | 5 | 25 | 2530 | 29.4 | TDD | IMD2 |
| 1 | 1922.5 | 5 | 25 | 2112.5 | N/A | FDD | N/A |
| n79 | 4980 | 40 | 216 | 4980 |  | TDD |  |
| 41 | 2687.5 | 5 | 25 | 2687.5 | 0.0 | TDD | IMD5 |
| DC\_1A-42A\_n79A | 1 | 1977.5 | 5 | 25 | 2167.5 | N/A | FDD | N/A |
| n79 | 4420 | 40 | 216 | 4420 |  | TDD |  |
| 42 | 3490 | 5 | 25 | 3490 | 4.8 | TDD | IMD5 |
| 42 | 3402.5 | 5 | 25 | 3402.5 | N/A | TDD | N/A |
| n79 | 4640 | 40 | 216 | 4640 |  | TDD |  |
| 1 | 1975 | 5 | 25 | 2165 | 15.5 | FDD | IMD3 |
| 42 | 3450 | 5 | 25 | 3450 | N/A | TDD | N/A |
| n79 | 4520 | 40 | 216 | 4520 |  | TDD |  |
| 1 | 1950 | 5 | 25 | 2140 | 9.3 | FDD | IMD4 |
| DC\_1A\_n78A-n79A | 1 | 1950 | 5 | 25 | 2140 | N/A | FDD | N/A |
| n78 | 3410 | 10 | 50 | 3410 | N/A | TDD | N/A |
| n79 | 4870 | 40 | 216 | 4870 | 15.9 | TDD | IMD3 |
| 1 | 1950 | 5 | 25 | 2140 | N/A | FDD | N/A |
| n79 | 4670 | 40 | 216 | 4670 | N/A | TDD | N/A |
| n78 | 3490 | 10 | 50 | 3490 | 4.6 | TDD | IMD5 |
| DC\_1A\_SUL\_n78A-n80A | 1 | 1950 | 5 | 25 | 2140 | 23 | FDD | IMD3 |
| n80 | 1760 | 5 | 25 |  | N/A | SUL | N/A |
| 1 | 1922.5 | 5 | 25 | 2112.5 | N/A | FDD | N/A |
| n80 | 1782.5 | 5 | 25 |  | N/A | SUL | N/A |
| n78 | 3425 | 10 | 50 | 3425 | 13.0 | TDD | IMD4 |
| DC\_2A-7A\_n78A  DC\_2A-7C\_n78A  DC\_2A-7A-7A\_n78A | 2 | 1870 | 5 | 25 | 1950 | 8.6 | FDD | IMD4  |2\*fB78-2\*fB7| |
| 7 | 2550 | 5 | 25 | 2685 | N/A | FDD | N/A |
| n78 | 3525 | 10 | 52 | 3475 | N/A | TDD | N/A |
| DC\_3A\_n1A-n77A | 3 | 1750 | 5 | 25 | 1845 | N/A | FDD | N/A |
| n1 | 1950 | 5 | 25 | 2140 | N/A | FDD | N/A |
| n77 | 3700 | 10 | 50 | 3700 | 28.4 | TDD | IMD2  |fB3+fn1| |
| 3 | 1775 | 5 | 25 | 1870 | N/A | FDD | N/A |
| n1 | 1950 | 5 | 25 | 2140 | 31.0 | FDD | IMD2  |fn77-fB3| |
| n77 | 3915 | 10 | 50 | 3915 | N/A | TDD | N/A |
| DC\_3A\_n1A-n78A | 3 | 1750 | 5 | 25 | 1845 | N/A | FDD | N/A |
| n1 | 1950 | 5 | 25 | 2140 | N/A | FDD | N/A |
| n78 | 3700 | 10 | 50 | 3700 | 28.4 | TDD | IMD2  |fB3+fn1| |
| 3 | 1770 | 5 | 25 | 1865 | N/A | FDD | N/A |
| n1 | 1940 | 5 | 25 | 2130 | 3.5 | FDD | IMD5  |2\*fn78-3\*fB3| |
| n78 | 3720 | 10 | 50 | 3720 | N/A | TDD | N/A |
| DC\_3A-5A\_n79A | 3 | 1775 | 5 | 25 | 1870 | N/A | FDD | N/A |
| 5 | 840 | 5 | 25 | 885 | 18.5 |  | IMD3 |
| n79 | 4435 | 40 | 216 | 4435 | N/A | TDD | N/A |
| 3 | 1782.5 | 5 | 25 | 1877.5 | 0.2 | FDD | IMD4 |
| 5 | 842.5 | 5 | 25 | 887.5 | N/A |  | N/A |
| n79 | 4420 | 40 | 216 | 4420 | N/A | TDD | N/A |
| DC\_3A-7A\_n28A | 3 | 1712.5 | 5 | 25 | 1807.5 | N/A | FDD | N/A |
| n28 | 743 | 5 | 25 | 798 | N/A | FDD | N/A |
| 7 | 2562 | 10 | 50 | 2682 | 16.9 | FDD | IMD3 |
| 7 | 2543 | 10 | 50 | 2663 | N/A | FDD | N/A |
| n28 | 710.5 | 5 | 25 | 765.5 | N/A | FDD | N/A |
| 3 | 1737.5 | 5 | 25 | 1832.5 | 26.0 | FDD | IMD2 |
| DC\_3C-7C\_n78A  DC\_3A-3A-7A\_n78A  DC\_3A-3A-7A-7A\_n78A  DC\_3A-7A\_SUL\_n78A-n80A  DC\_3C-7A\_SUL\_n78A-n80A | 3 | 1725 | 5 | 25 | 1820 | 17.6 | FDD | IMD3  |fB78-2\*fB7| |
| 7 | 2565 | 5 | 25 | 2685 | N/A | FDD | N/A |
| n78 | 3310 | 10 | 50 | 3310 | N/A | TDD | N/A |
| 3 | 1725 | 5 | 25 | 1820 | 8.6 | FDD | IMD4  |2\*fB78-2\*fB7| |
| 7 | 2565 | 5 | 25 | 2685 | N/A | FDD | N/A |
| n78 | 3475 | 10 | 50 | 3475 | N/A | TDD | N/A |
| DC\_3A-20A\_n28A | 20 | 852 | 5 | 25 | 811 | N/A | FDD | N/A |
| n28 | 738 | 5 | 25 | 793 | N/A | FDD | N/A |
| 3 | 1723 | 5 | 25 | 1818 | 9.4 | FDD | IMD4 |
| DC\_3A\_20A\_SUL\_n78A-n80A  DC\_3C\_20A\_SUL\_n78A-n80A | 3 | 1725 | 5 | 25 | 1820 | 17.3 | FDD | IMD3 |
| 20 | 845 | 5 | 25 | 804 | N/A | FDD | N/A |
| n78 | 3510 | 10 | 50 | 3510 | N/A | TDD | N/A |
| DC\_3A-28A\_n77A | 3 | 1712.5 | 5 | 25 | 1807.5 | N/A | FDD | N/A |
| 28 | 715 | 5 | 25 | 770 | 15.3 | FDD | IMD3 |
| n77 | 4195 | 10 | 50 | 4195 | N/A | TDD | N/A |
| 3 | 1755 | 5 | 25 | 1850 | 17.0 | FDD | IMD3 |
| 28 | 735 | 5 | 25 | 790 | N/A | FDD | N/A |
| n77 | 3320 | 10 | 50 | 3320 | N/A | TDD | N/A |
| DC\_3A-28A\_n78A  DC\_3C-28A\_n78A | 3 | 1775 | 5 | 25 | 1870 | 17.3 | FDD | IMD3 |
| 28 | 740 | 5 | 25 | 760 | N/A |  | N/A |
| n78 | 3350 | 10 | 25 | 3350 | N/A | TDD | N/A |
| DC\_3A-28A\_n79A | 3 | 1770 | 5 | 25 | 1865 | N/A | FDD | N/A |
| 28 | 725 | 5 | 25 | 780 | 10.3 | FDD | IMD4 |
| n79 | 4530 | 40 | 216 | 4530 | N/A | TDD | N/A |
| 3 | 1775 | 5 | 25 | 1870 | 5.7 | FDD | IMD5 |
| 28 | 725 | 5 | 25 | 780 | N/A | FDD | N/A |
| n79 | 4770 | 40 | 216 | 4770 | N/A | TDD | N/A |
| DC\_3A\_n28A-n78A | 3 | 1750 | 5 | 25 | 1845 | N/A | FDD | N/A |
| n28 | 743 | 5 | 25 | 798 | N/A |  | N/A |
| n78 | 3764 | 10 | 50 | 3764 | 4.5 | TDD | IMD5 |
| DC\_3A\_n78A-n79A | 3 | 1770 | 5 | 25 | 1865 | N/A | FDD | N/A |
| n78 | 3340 | 10 | 50 | 3340 | N/A | TDD | N/A |
| n79 | 4910 | 40 | 216 | 4910 | 16.3 | TDD | IMD3 |
| 3 | 1770 | 5 | 25 | 1865 | N/A | FDD | N/A |
| n79 | 4510 | 40 | 216 | 4510 | N/A | TDD | N/A |
| n78 | 3710 | 10 | 50 | 3710 | 4.2 | TDD | IMD5 |
| DC\_3A-7A\_n78A  DC\_3C-7A\_n78A | 3 | 1725 | 5 | 25 | 1820 | 17.6 | FDD | IMD3  |fB78-2\*fB7| |
| 7 | 2565 | 5 | 25 | 2685 | N/A | FDD | N/A |
| n78 | 3310 | 10 | 50 | 3310 | N/A | TDD | N/A |
| DC\_3A-7A\_n78A  DC\_3C-7A\_n78A | 3 | 1725 | 5 | 25 | 1820 | 8.6 | FDD | IMD4  |2\*fB78-2\*fB7| |
| 7 | 2565 | 5 | 25 | 2685 | N/A | FDD | N/A |
| n78 | 3475 | 10 | 50 | 3475 | N/A | TDD | N/A |
| DC\_3A-19A\_n79A | 3 | 1782.5 | 5 | 25 | 1877.5 | 0.2 | FDD | IMD4 |
| 19 | 842.5 | 5 | 25 | 887.5 | N/A | N/A |
| n79 | 4420 | 40 | 216 | 4420 | N/A | TDD | N/A |
| DC\_3A-20A\_n78A  DC\_3C-20A\_n78A | 3 | 1725 | 5 | 25 | 1820 | 17.3 | FDD | IMD3  |fB78-2\*fB20| |
| 20 | 845 | 5 | 25 | 804 | N/A | FDD | N/A |
| n78 | 3510 | 10 | 50 | 3510 | N/A | TDD | N/A |
| DC\_3A-21A\_n77A  DC\_3A-21A\_n78A | 3 | 1767.5 | 5 | 25 | 1862.5 | N/A | FDD | N/A |
| 21 | 1459.5 | 5 | 25 | 1507.5 | 8.8 | IMD4 |
| n77, n78 | 3795 | 10 | 50 | 3795 | N/A | TDD | N/A |
| DC\_3A-21A\_n77A | 3 | 1771.6 | 5 | 25 | 1866.6 | 3.4 | FDD | IMD5 |
| 21 | 1450.4 | 5 | 25 | 1498.4 | N/A | N/A |
| n77 | 3935 | 10 | 50 | 3935 | N/A | TDD | N/A |
| DC\_3A-21A\_n79A | 3 | 1774.2 | 5 | 25 | 1869.2 | 17.8 | FDD | IMD3 |
| 21 | 1450.4 | 5 | 25 | 1498.4 | N/A | N/A |
| n79 | 4770 | 40 | 216 | 4770 | N/A | TDD | N/A |
| DC\_3A-41A\_n77A | 3 | 1720 | 5 | 25 | 1815 | N/A | FDD | N/A |
| n77 | 3900 | 10 | 52 | 3900 | N/A | TDD | N/A |
| 41 | 2640 | 5 | 25 | 2640 | 5.3 | TDD | IMD5  |3\*fB3 -2\*fn77| |
| 41 | 2620 | 5 | 25 | 2620 | N/A | TDD | N/A |
| n77 | 3400 | 10 | 52 | 3400 | N/A | TDD | N/A |
| 3 | 1745 | 5 | 25 | 1840 | 16.4 | FDD | IMD3  |2\*fB41 –fn77| |
| DC\_3A-41A\_n79A | 3 | 1770 | 5 | 25 | 1865 | N/A | FDD | N/A |
| n79 | 4440 | 40 | 216 | 4440 | N/A | TDD | N/A |
| 41 | 2670 | 5 | 25 | 2670 | 30.2 | TDD | IMD2  |fB3 -fn79| |
| 41 | 2570 | 5 | 25 | 2570 | N/A | TDD | N/A |
| n79 | 4420 | 40 | 216 | 4420 | N/A | TDD | N/A |
| 3 | 1755 | 5 | 25 | 1850 | 29.4 | FDD | IMD2  |fB41 -fn79| |
| DC\_5A-7A\_n78A | 5 | 844 | 5 | 25 | 889 | N/A | FDD | N/A |
| 7 | 2525 | 5 | 25 | 2645 | 30.1 | FDD | IMD2  ꟾfB78-fb5ꟾ |
| n78 | 3489 | 10 | 50 | 3489 | N/A | TDD | N/A |
| 5 | 834 | 5 | 25 | 879 | 30.2 | FDD | IMD2  |fB78-fB7| |
| 7 | 2550 | 5 | 25 | 2670 | N/A | FDD | N/A |
| n78 | 3429 | 10 | 50 | 3429 | N/A | TDD | N/A |
| 5 | 830 | 5 | 25 | 875 | 3.3 | FDD | IMD5  |2\*fB78-3fB7| |
| 7 | 2525 | 5 | 25 | 2645 | N/A | FDD | N/A |
| n78 | 3350 | 10 | 50 | 3350 | N/A | TDD | N/A |
| DC\_5A\_41A\_n78A | 5 | 860 | 5 | 25 | 885 | 30.2 | FDD | IMD2 |
| 41 | 2615 | 5 | 25 | 2615 | N/A | TDD | N/A |
| n78 | 3500 | 10 | 50 | 3500 | N/A | TDD | N/A |
| 5 | 856.5 | 5 | 25 | 881.5 | 3.1 | FDD | IMD5 |
| 41 | 2620.5 | 5 | 25 | 2620.5 | N/A | TDD | N/A |
| n78 | 3490 | 10 | 50 | 3490 | N/A | TDD | N/A |
| DC\_5A-41A\_n79A | 5 | 835 | 5 | 25 | 880 | 23.9 | FDD | IMD3  |2\*fB41-fBn79| |
| 41 | 2665 | 5 | 25 | 2665 | N/A | TDD | N/A |
| n79 | 4450 | 40 | 216 | 4450 | N/A | TDD | N/A |
| 5 | 826.5 | 5 | 25 | 871.5 | N/A | FDD | N/A |
| 41 | 2517.5 | 5 | 25 | 2517.5 | 1.8 | TDD | IMD4  |fBn79-3\*fB5| |
| n79 | 4980 | 40 | 216 | 4980 | N/A | TDD | N/A |
| DC\_7A-20A\_n28A | 20 | 852 | 5 | 25 | 811 | N/A | FDD | N/A |
| n28 | 738 | 5 | 25 | 793 | N/A | FDD | N/A |
| 7 | 2550 | 10 | 50 | 2670 | 5.9 | FDD | IMD5 |
| DC\_7A-20A\_n78A | 7 | 2560 | 5 | 25 | 2680 | N/A | FDD | N/A |
| 20 | 851 | 5 | 25 | 810 | 30.5 | FDD | IMD2  |fB78-fB7| |
| n78 | 3370 | 10 | 50 | 3370 | N/A | TDD | N/A |
| DC\_7A-20A\_n78A | 7 | 2560 | 5 | 25 | 2680 | N/A | FDD | N/A |
| 20 | 851 | 5 | 25 | 810 | 3.0 | FDD | IMD5  |2\*fB78-3\*fB7| |
| n78 | 3435 | 10 | 50 | 3435 | N/A | TDD | N/A |
| DC\_7A-20A\_n78A | 7 | 2555 | 5 | 25 | 2675 | 30.8 | FDD | IMD2  |fB78-fB20| |
| 20 | 845 | 5 | 25 | 804 | N/A | FDD | N/A |
| n78 | 3520 | 10 | 50 | 3520 | N/A | TDD | N/A |
| DC\_7A-28A\_n78A | 7 | 2570 | 5 | 25 | 2670 | N/A | FDD | N/A |
| 28 | 720 | 5 | 25 | 780 | 8.3 |  | IMD2 |
| n78 | 3350 | 10 | 50 | 3421 | N/A | TDD | N/A |
| 7 | 2570 | 5 | 25 | 2670 | N/A | FDD | N/A |
| 28 | 720 | 5 | 25 | 790 | 3.0 |  | IMD5 |
| n78 | 3460 | 10 | 50 | 3421 | N/A | TDD | N/A |
| 7 | 2570 | 5 | 25 | 2650 | 30.5 | FDD | IMD2 |
| 28 | 740 | 5 | 25 | 768 | N/A |  | N/A |
| n78 | 3390 | 10 | 50 | 3421 | N/A | TDD | N/A |
| DC\_7A\_n28A-n78A | 7 | 2565 | 5 | 25 | 2685 | N/A | FDD | N/A |
| n28 | 745 | 5 | 25 | 800 | N/A |  | N/A |
| n78 | 3310 | 10 | 50 | 3310 | 29.7 | TDD | IMD2 |
| 7 | 2565 | 5 | 25 | 2685 | N/A | FDD | N/A |
| n78 | 3365 | 10 | 50 | 3365 | N/A | TDD | N/A |
| n28 | 745 | 5 | 25 | 800 | 28.8 | FDD | IMD2 |
| DC\_7A-46A\_n78A6 | 7 | N/A | N/A | N/A | N/A | N/A | FDD | N/A |
| 46 | N/A | N/A | N/A | N/A | N/A | TDD | IMD2, IMD5 |
| n78 | N/A | N/A | N/A | N/A | N/A | TDD | N/A |
| DC\_7A-66A\_n78A  DC\_7C-66A\_n78A  DC\_7A-7A-66A\_n78A | 7 | 2550 | 5 | 25 | 2685 | N/A | FDD | N/A |
| 66 | 1750 | 5 | 25 | 2150 | 8.7 | FDD | IMD4  |2\*fB78-2\*fB7| |
| n78 | 3625 | 10 | 52 | 3475 | N/A | TDD | N/A |
| DC\_7A\_SUL\_n78A-n80A | n80 | 1730 | 5 | 25 |  | N/A | SUL | N/A |
| 7 | 2535 | 10 | 50 | 2655 | 13 | FDD | IMD4 |
| DC\_8A-20A\_n78A | 8 | 890 | 5 | 25 | 935 | N/A | FDD | N/A |
| n78 | 3470 | 10 | 50 | 3470 | N/A | TDD | N/A |
| 20 | 841 | 5 | 25 | 800 | 12.1 | FDD | IMD4 |
| 8 | 895 | 5 | 25 | 940 | 12.1 | FDD | IMD4 |
| n78 | 3481 | 10 | 50 | 3481 | N/A | TDD | N/A |
| 20 | 847 | 5 | 25 | 806 | N/A | FDD | N/A |
| DC\_8A\_SUL\_n78A-n80A | n80 | 1755 | 10 | 50 |  | N/A | SUL | N/A |
| 8 | 900 | 5 | 25 | 945 | 8 | FDD | IMD4 |
| n80 | 1750 | 10 | 50 |  | N/A | SUL | N/A |
| 8 | 900 | 5 | 25 | 945 | N/A | FDD | N/A |
| n78 | 3550 | 10 | 50 | 3550 | 8 | TDD | IMD33 |
| DC\_18A-28A\_n77A | 18 | 820 | 5 | 25 | 865 | N/A | FDD | N/A |
| 28 | 723 | 5 | 25 | 778 | 4.4 |  | IMD5 |
| n77 | 4058 | 10 | 50 | 4058 | N/A | TDD | N/A |
| DC\_18A-28A\_n77A | 18 | 820 | 5 | 25 | 865 | 3.9 | FDD | IMD5 |
| 28 | 723 | 5 | 25 | 778 | N/A |  | N/A |
| n77 | 3757 | 10 | 50 | 3757 | N/A | TDD | N/A |
| DC\_18A-28A\_n78A | 18 | 819 | 5 | 25 | 864 | 3.8 | FDD | IMD5 |
| 28 | 723 | 5 | 25 | 778 | N/A |  | N/A |
| n78 | 3756 | 10 | 50 | 3756 | N/A | TDD | N/A |
| DC\_19A-21A\_n77A  DC\_19A-21A\_n78A | 19 | 837.5 | 5 | 25 | 882.5 | 18.7 | FDD | IMD3 |
| 21 | 1450.4 | 5 | 25 | 1498.4 | N/A | N/A |
| n77, n78 | 3783.3 | 10 | 50 | 3783.3 | N/A | TDD | N/A |
| DC\_19A-21A\_n77A | 19 | 837.5 | 5 | 25 | 882.5 | N/A | FDD | N/A |
| 21 | 1454.5 | 5 | 25 | 1502.5 | 9.0 | IMD4 |
| n77 | 4015 | 10 | 50 | 4015 | N/A | TDD | N/A |
| DC\_19A-21A\_n79A | 19 | 837.5 | 5 | 25 | 882.2 | N/A | FDD | N/A |
| 21 | 1452 | 5 | 25 | 1500 | 3.8 | IMD5 |
| n79 | 4850 | 40 | 216 | 4850 | N/A | TDD | N/A |
| DC\_20A\_SUL\_n78A-n80A | 20 | 847 | 5 | 25 | 806 | 9 | FDD | IMD4 |
| n80 | 1735 | 5 | 25 |  | N/A | SUL | N/A |
| DC\_21A-28A\_n77A | 21 | 1452 | 5 | 25 | 1500 | N/A | FDD | N/A |
| 28 | 730.5 | 5 | 25 | 785.5 | 16.9 | FDD | IMD3 |
| n77 | 3689.5 | 10 | 50 | 3689.5 | N/A | TDD | N/A |
| 21 | 1450.5 | 5 | 25 | 1498.5 | 9.9 | FDD | IMD4 |
| 28 | 730.5 | 5 | 25 | 785.5 | N/A | FDD | N/A |
| n77 | 3690 | 10 | 50 | 3690 | N/A | TDD | N/A |
| DC\_21A-28A\_n79A | 21 | 1450 | 5 | 25 | 1498 | 5.2 | FDD | IMD5 |
| 28 | 730.5 | 5 | 25 | 785.5 | N/A | TDD | N/A |
| n79 | 4420 | 40 | 216 | 4420 | N/A | TDD | N/A |
| DC\_28A-42A\_79A | 28 | 730 | 5 | 25 | 785 | N/A | FDD | N/A |
| 42 | 3420 | 5 | 25 | 3420 | 15.3 | TDD | IMD3 |
| n79 | 4880 | 40 | 216 | 4880 | N/A | TDD | N/A |
| 28 | 745 | 5 | 25 | 800 | 16.2 | FDD | IMD2 |
| 42 | 3597.5 | 5 | 25 | 3597.5 | N/A | TDD | N/A |
| n79 | 4420 | 40 | 216 | 4420 | N/A | TDD | N/A |
| DC\_19A\_n78A-n79A | 19 | 835 | 5 | 25 | 880 | N/A | FDD | N/A |
| n78 | 3680 | 10 | 50 | 3680 | N/A | TDD | N/A |
| n79 | 4515 | 40 | 216 | 4515 | 29.3 | TDD | IMD2 |
| 19 | 835 | 5 | 25 | 880 | N/A | FDD | N/A |
| n79 | 4550 | 40 | 216 | 4550 | N/A | TDD | N/A |
| n78 | 3715 | 10 | 50 | 3715 | 28.8 | TDD | IMD2 |
| DC\_20A\_n28A-n78A | 20 | 857 | 5 | 25 | 816 | N/A | FDD | N/A |
| n28 | 743 | 5 | 25 | 798 | N/A | FDD | N/A |
| n78 | 3314 | 10 | 50 | 3314 | 8.7 | TDD | IMD4 |
| 20 | 837 | 5 | 25 | 796 | N/A | FDD | N/A |
| n78 | 3310 | 10 | 50 | 3310 | N/A | TDD | N/A |
| n28 | 744 | 5 | 25 | 799 | 9.4 | FDD | IMD4 |
| DC\_21A\_n78A-n79A | 21 | 1453 | 5 | 25 | 1501 | N/A | FDD | N/A |
| n78 | 3420 | 10 | 50 | 3420 | N/A | TDD | N/A |
| n79 | 4873 | 40 | 216 | 4873 | 30.1 | TDD | IMD2 |
| 21 | 1453 | 5 | 25 | 1501 | N/A | FDD | N/A |
| n79 | 4940 | 40 | 216 | 4940 | N/A | TDD | N/A |
| n78 | 3487 | 10 | 50 | 3487 | 29.8 | TDD | IMD2 |

## **<Next Section>**

##### 7.3B.3.3.2 ΔRIB,c for EN-DC three bands

Table 7.3B.3.3.2-1: ΔRIB,c due to EN-DC (three bands)

| Inter-band EN-DC configuration | E-UTRA or NR Band | ΔRIB,c (dB) |
| --- | --- | --- |
| DC\_1-3\_n28 | n28 | 0.2 |
| DC\_1-3\_n77 | 1 | 0.2 |
| 3 | 0.2 |
| n77 | 0.5 |
| DC\_1-3\_n78 | 1 | 0.2 |
| 3 | 0.2 |
| n78 | 0.5 |
| DC\_1\_n3-n78 | 1 | 0.2 |
| n3 | 0.2 |
| n78 | 0.5 |
| DC\_1-5\_n78 | 1 | 0.2 |
| 5 | 0.2 |
| n78 | 0.5 |
| DC\_1-5\_n79 | 1 | 0 |
| 5 | 0 |
| n79 | 0 |
| DC\_1-7\_n28 | n28 | 0.2 |
| DC\_1-7\_n78  DC\_1-7-7\_n78 | 1 | 0.2 |
| 7 | 0.2 |
| n78 | 0.5 |
| DC\_1-8\_n78 | 8 | 0.2 |
| n78 | 0.5 |
| DC\_1-18\_n77 | n77 | 0.5 |
| DC\_1-18\_n78 | n78 | 0.5 |
| DC\_1-19\_n77 | n77 | 0.5 |
| DC\_1-19\_n78 | n78 | 0.5 |
| DC\_1-19\_n79 | 1 | 0.3 |
| 19 | 0.3 |
| DC\_1-20\_n28 | 1 | 0.0 |
| 20 | 0.2 |
| n28 | 0.2 |
| DC\_1-20\_n78 | n78 | 0.5 |
| DC\_1-21\_n77 | n77 | 0.5 |
| DC\_1-21\_n78 | 1 | 0.2 |
| n78 | 0.5 |
| DC\_1-28\_n77 | 28 | 0.2 |
| n77 | 0.5 |
| DC\_1-28\_n78 | 28 | 0.2 |
| n78 | 0.5 |
| DC\_1\_n28-n78 | 1 | 0 |
| n28 | 0.2 |
| n78 | 0.5 |
| DC\_1\_n28-n79 | 1 | 0.3 |
| 28 | 0.3 |
| DC\_1-42\_n77 | 1 | 0.2 |
| 42 | 0.5 |
| n77 | 0.5 |
| DC\_1-41\_n77 | n77 | 0.5 |
| DC\_1-41\_n78 | n78 | 0.5 |
| DC\_1-42\_n78 | 1 | 0.2 |
| 42 | 0.5 |
| n78 | 0.5 |
| DC\_1-42\_n79 | 42 | 0.5 |
| DC\_1\_n77-n79 | 1 | 0.2 |
| n77 | 0.5 |
| n79 | 0.0 |
| DC\_1\_n78-n79 | 1 | 0.0 |
| n78 | 0.5 |
| n79 | 0.0 |
| DC\_1\_SUL\_n78-n80 | 1 | 0.2 |
| n78 | 0.5 |
| DC\_1-SUL\_n78-n84 | n78 | 0.5 |
| DC\_2\_5\_n66 | 2 | 0.3 |
| n66 | 0.3 |
| DC\_2-7\_n78 | 2 | 0 |
| 7 | 0 |
| n78 | 0 |
| DC\_2-29\_n260 | 2 | 0 |
| DC\_2\_30\_n66 | 2 | 0.4 |
| 30 | 0.5 |
| n66 | 0.4 |
| DC\_2-66\_n71B | 2 | 0.3 |
| 66 | 0.3 |
| DC\_3\_n1-n77 | 3 | 0.2 |
| n1 | 0.2 |
| n77 | 0.5 |
| DC\_3\_n1-n78 | 3 | 0.2 |
| n1 | 0.2 |
| n78 | 0.5 |
| DC\_3\_n3-n77 | 3 | 0.2 |
| n3 | 0.2 |
| n77 | 0.5 |
| DC\_3\_n3-n78 | 3 | 0.2 |
| n3 | 0.2 |
| n78 | 0.5 |
| DC\_3-5\_n78 | 3 | 0.2 |
| 5 | 0.2 |
| n78 | 0.5 |
| DC\_3-5\_n79 | 3 | 0 |
| 5 | 0 |
| n79 | 0 |
| DC\_3-7\_n78, DC\_3-7-7\_n78, DC\_3-3-7\_n78, DC\_3-3-7-7\_n78 | 3 | 0.2 |
| 7 | 0.2 |
| n78 | 0.5 |
| DC\_3-8\_n78 | 3 | 0.2 |
| 8 | 0.2 |
| n78 | 0.5 |
| DC\_3-18-n77 | 3 | 0.2 |
| 18 | 0 |
| n77 | 0.5 |
| DC\_3-18-n78 | 3 | 0.2 |
| 18 | 0 |
| n78 | 0.5 |
| DC\_3-18-n79 | 3 | 0 |
| 18 | 0 |
| n79 | 0 |
| DC\_3-19\_n77 | 3 | 0.2 |
| n77 | 0.5 |
| DC\_3-19\_n78 | 3 | 0.2 |
| n78 | 0.5 |
| DC\_3-20\_n28 | 20 | 0.1 |
| n28 | 0.1 |
| DC\_3-19\_n79 |  |  |
|  |  |
|  |  |
| DC\_3-20\_n78 | 3 | 0.2 |
| n78 | 0.5 |
| DC\_3-21\_n77 | 3 | 0.3 |
| 21 | 0.5 |
| n77 | 0.5 |
| DC\_3-21\_n78 | 3 | 0.3 |
| 21 | 0.5 |
| n78 | 0.5 |
| DC\_3-21\_n79 | 3 | 0.3 |
| 21 | 0.5 |
| DC\_3-28\_n78 | 3 | 0.2 |
| n78 | 0.5 |
| DC\_3\_n28-n78 | 3 | 0.2 |
| n28 | 0 |
| n78 | 0.5 |
| DC\_3-38\_n78 | 3 | 0.2 |
| 38 | 0.4 |
| n78 | 0.5 |
| DC\_3-41-n77 | 3 | 0.2 |
| 41 | 01 |
| 0.52 |
| n77 | 0.5 |
| DC\_3-41\_n78 | 3 | 0.2 |
| 41 | 01 |
| 0.52 |
| n78 | 0.5 |
| DC\_3-41-n79 | 3 | 0.2 |
| 41 | 01 |
| 0.52 |
| n79 | 0 |
| DC\_3\_SUL\_n41-n80 | n41 | 0.53 |
| DC\_3-42\_n77 | 3 | 0.2 |
| 42 | 0.5 |
| n77 | 0.5 |
| DC\_3-42\_n78 | 3 | 0.2 |
| 42 | 0.5 |
| n78 | 0.5 |
| DC\_3-42\_n79 | 3 | 0.2 |
| 42 | 0.5 |
| DC\_3\_n77-n79 | 3 | 0.2 |
| n77 | 0.5 |
| n79 | 0.0 |
| DC\_3\_n78-n79 | 3 | 0.2 |
| n78 | 0.5 |
| n79 | 0.0 |
| DC\_3-SUL\_n78-n80 | 3 | 0.2 |
| n78 | 0.5 |
| n80 | 0.2 |
| DC\_3-SUL\_n78-n82 | 3 | 0.2 |
| n78 | 0.5 |
| DC\_5-7\_n78 | 5 | 0.2 |
| 7 | 0.2 |
| n78 | 0.5 |
| DC\_5\_30\_n66 | 30 | 0.5 |
| n66 | 0.4 |
| DC\_5-41\_n79 | 5 | 0 |
| 41 | 0 |
| n79 | 0 |
| DC\_7-7\_n78 | 7 | 0.0 |
| n78 | 0.5 |
| DC\_7-20\_n28 | 20 | 0.2 |
| n28 | 0.2 |
| DC\_7-20\_n78 | n78 | 0.5 |
| DC\_7-28\_n78 | n78 | 0.5 |
| DC\_7\_n28-n78 | n78 | 0.5 |
| DC\_7-46\_n78 | n78 | 0.5 |
| DC\_7-66\_n78 | 7 | 0 |
| 66 | 0 |
| n78 | 0 |
| DC\_7\_SUL\_n78-n80 | 7 | 0.2 |
| n78 | 0.5 |
| DC\_8-20\_n78 | 8 | 0.2 |
| n78 | 0.5 |
|  |  |
| DC\_8\_SUL\_n78-n80 | 8 | 0.2 |
| n78 | 0.5 |
| DC\_8A-SUL\_n78-n81 | 8 | 0.2 |
| n78 | 0.2 |
| n81 | 0.2 |
| DC\_18-28\_n77 | n77 | 0.5 |
| DC\_18-28\_n78 | n78 | 0.5 |
| DC\_18-42\_n77 | 18 | 0 |
| 42 | 0.5 |
| n77 | 0.5 |
| DC\_18-42\_n78 | 18 | 0 |
| 42 | 0.5 |
| n78 | 0.5 |
| DC\_18-42\_n79 | 18 | 0 |
| 42 | 0.5 |
| n79 | 0 |
| DC\_19-21\_n77 | n77 | 0.5 |
| DC\_19-21\_n78 | n78 | 0.5 |
| DC\_19-42\_n77 | 42 | 0.5 |
| n77 | 0.5 |
| DC\_19-42\_n78 | 42 | 0.5 |
| n78 | 0.5 |
| DC\_19-42\_n79 | 42 | 0.5 |
| DC\_19\_n77-n79 | 19 | 0.0 |
| n77 | 0.5 |
| n79 | 0.0 |
| DC\_19\_n78-n79 | 19 | 0.0 |
| n78 | 0.5 |
| n79 | 0.0 |
| DC\_20\_n8-n75 | 20 | 0.0 |
| n8 | 0.0 |
| n75 | 0.0 |
| DC\_20\_n28-n75 | 20 | 0.0 |
| n28 | 0.2 |
| n75 | 0.0 |
| DC\_20\_n28-n78 | 20 | 0.2 |
| n28 | 0.2 |
| n78 | 0.5 |
| DC\_20-38\_n78 | 38 | 0.4 |
| n78 | 0.5 |
| DC\_20\_n75-n78 | 20 | 0.0 |
| n75 | 0.0 |
| n78 | 0.5 |
| DC\_20\_n76-n78 | 20 | 0.0 |
| n76 | 0.0 |
| n78 | 0.5 |
| DC\_20\_SUL\_n78-n80 | n78 | 0.5 |
| DC\_20-SUL\_n78-n82 | n78 | 0.5 |
| DC\_20-SUL\_n78-n83 | 20 | 0.2 |
| n78 | 0.5 |
| n83 | 0.2 |
| DC\_21-42\_n77 | 42 | 0.5 |
| n77 | 0.5 |
| DC\_21-42\_n78 | 42 | 0.5 |
| n78 | 0.5 |
| DC\_21-42\_n79 | 42 | 0.5 |
| DC\_21\_n77-n79 | 21 | 0.0 |
| n77 | 0.5 |
| n79 | 0.0 |
| DC\_21\_n78-n79 | 21 | 0.0 |
| n78 | 0.5 |
| n79 | 0.0 |
| DC\_28-SUL\_n78-n83 | 28 | 0.2 |
| n78 | 0.5 |
| n83 | 0.2 |
| DC\_28-42\_n77 | 28 | 0.2 |
| 42 | 0.5 |
| n77 | 0.5 |
| DC\_28-42\_n78 | 28 | 0.2 |
| 42 | 0.5 |
| n78 | 0.5 |
| DC\_28-42\_n79 | 28 | 0.2 |
| 42 | 0.5 |
| DC\_29-30\_n260 | 30 | 0 |
| DC\_41-42\_n77 | 42 | 0.5 |
| n77 | 0.5 |
| DC\_41-42\_n78 | 42 | 0.5 |
| n78 | 0.5 |
| DC\_41-42\_n79 | 42 | 0.5 |
| DC\_41\_n77 | n77 | 0.5 |
| DC\_41\_n78 | n78 | 0.5 |
| DC\_41\_n79 | n79 | 0.5 |
| DC\_66-SUL\_n78-n86 | 66 | 0.2 |
| n78 | 0.5 |
| n86 | 0.2 |
| DC\_46-66\_n261 | 66 | 0 |
| NOTE 1: The requirement is applied for UE transmitting on the frequency range of 2545-2690MHz.  NOTE 2: The requirement is applied for UE transmitting on the frequency range of 2496-2545MHz.  NOTE 3: The requirement is applied for UE transmitting on the frequency range of 2496-2515MHz. | | |

##### 7.3B.3.3.3 ΔRIB,c for EN-DC four bands

Table 7.3B.3.3.3-1: ΔRIB,c due to EN-DC (four bands)

| Inter-band EN-DC configuration | E-UTRA or NR Band | ΔRIB,c (dB) |
| --- | --- | --- |
| DC\_1-3-5\_n78 | 1 | 0.2 |
| 3 | 0.2 |
| n78 | 0.5 |
| DC\_1-3-7\_n28 | n28 | 0.2 |
| DC\_1-3-7\_n78  DC\_1-3-7-7\_n78 | 1 | 0.3 |
| 3 | 0.3 |
| 7 | 0.3 |
| n78 | 0.5 |
| DC\_1-3-8\_n78 | 1 | 0.2 |
| 3 | 0.2 |
| 8 | 0.2 |
| n78 | 0.5 |
| DC\_1-3-28\_n77 | 1 | 0.2 |
| 3 | 0.2 |
| 28 | 0.2 |
| n77 | 0.5 |
| DC\_1-3-28\_n78  DC\_1-3\_n28-n78 | 1 | 0.2 |
| 3 | 0.2 |
| 28 or n28 | 0.2 |
| n78 | 0.5 |
| DC\_1-3-28\_n79 | 1 | 0.2 |
| 3 | 0.2 |
| 28 | 0.2 |
| DC\_1-3-18\_n77 | 1 | 0.2 |
| 3 | 0.2 |
| n77 | 0.5 |
| DC\_1-3-18\_n78 | 1 | 0.2 |
| 3 | 0.2 |
| n78 | 0.5 |
| DC\_1-3-19\_n78 | 1 | 0.2 |
| 3 | 0.2 |
| n78 | 0.5 |
| DC\_1-3-20\_n28 | 20 | 0.2 |
| n28 | 0.2 |
| DC\_1-3-20\_n78 | 1 | 0.2 |
| 3 | 0.2 |
| n78 | 0.5 |
| DC\_1-3-21\_n77 | 1 | 0.2 |
| 3 | 0.3 |
| 21 | 0.5 |
| n77 | 0.5 |
| DC\_1-3-21\_n78 | 1 | 0.2 |
| 3 | 0.3 |
| 21 | 0.5 |
| n78 | 0.5 |
| DC\_1-3-21\_n79 | 3 | 0.3 |
| 21 | 0.5 |
| DC\_1-3-41\_n77 | 1 | 0.2 |
| 3 | 0.2 |
| n77 | 0.5 |
| DC\_1-3-41\_n78 | 1 | 0.2 |
| 3 | 0.2 |
| n78 | 0.5 |
| DC\_1-3-41\_n79 | 41 | 01/0.52 |
| DC\_1-3-42\_n77 | 1 | 0.2 |
| 3 | 0.2 |
| 42 | 0.5 |
| n77 | 0.5 |
| DC\_1-3-42\_n78 | 1 | 0.2 |
| 3 | 0.2 |
| 42 | 0.5 |
| n78 | 0.5 |
| DC\_1-3-42\_n79 | 1 | 0.2 |
| 3 | 0.2 |
| 42 | 0.5 |
| DC\_1-3\_SUL\_n78-n80 | 1 | 0.2 |
| 3 | 0.2 |
| n78 | 0.5 |
| DC\_1-5-7\_n78  DC\_1-5-7-7\_n78 | 1 | 0.2 |
| 5 | 0.2 |
| 7 | 0.2 |
| n78 | 0.5 |
| DC\_1-7-20\_n28 | 20 | 0.2 |
| n28 | 0.2 |
| DC\_1-7-20\_n78 | 1 | 0.2 |
| 7 | 0.2 |
| 20 | 0.2 |
| n78 | 0.5 |
| DC\_1-7-28\_n78 | 1 | 0.2 |
| 7 | 0.2 |
| 28 | 0.2 |
| n78 | 0.5 |
| DC\_1-7\_n28-n78 | 1 | 0.2 |
| 7 | 0.2 |
| n28 | 0.2 |
| n78 | 0.5 |
| DC\_1-8-20\_n78A | 8 | 0.2 |
| n78 | 0.5 |
| DC\_1-18-28\_n77 | n77 | 0.5 |
| DC\_1-18-28\_n78 | n78 | 0.5 |
| DC\_1-18-42\_n77 | 42 | 0.5 |
| n77 | 0.5 |
| DC\_1-18-42\_n78 | 42 | 0.5 |
| n78 | 0.5 |
| DC\_1-18-42\_n79 | 42 | 0.5 |
| DC\_1-19-42\_n77 | 1 | 0.2 |
| 42 | 0.5 |
| n77 | 0.5 |
| DC\_1-19-42\_n78 | 42 | 0.5 |
| n78 | 0.5 |
| DC\_1-19-42\_n79 | 42 | 0.5 |
| DC\_1-20\_n28-n78 | 1 | 0.0 |
| 20 | 0.2 |
| n28 | 0.2 |
| n78 | 0.5 |
| DC\_1-21-42\_n77 | 1 | 0.2 |
| 42 | 0.5 |
| n77 | 0.5 |
| DC\_1-21-42\_n78 | 42 | 0.5 |
| n78 | 0.5 |
| DC\_1-21-42\_n79 | 42 | 0.5 |
| DC\_1-28-42\_n77 | 1 | 0.2 |
| 28 | 0.2 |
| 42 | 0.5 |
| n77 | 0.5 |
| DC\_1-28-42\_n78 | 28 | 0.2 |
| 42 | 0.5 |
| n78 | 0.5 |
| DC\_1-28-42\_n79 | 28 | 0.2 |
| 42 | 0.5 |
| DC\_1-41-42\_n77 | 42 | 0.5 |
| n77 | 0.5 |
| DC\_1-41-42\_n78 | 42 | 0.5 |
| n78 | 0.5 |
| DC\_1-41-42\_n79 | 42 | 0.5 |
| DC\_1-41-42\_n79 | 42 | 0.5 |
| DC\_2-66-(n)71 | 2 | 0.3 |
| 66 | 0.3 |
| DC\_3-5-7\_n78  DC\_3-5-7-7\_n78 | 3 | 0.2 |
| 5 | 0.2 |
| 7 | 0.2 |
| n78 | 0.5 |
| DC\_3-5-41\_n79 | 41 | 01/0.52 |
| DC\_3-7-7\_n78 | 3 | 0.2 |
| 7 | 0.2 |
| n78 | 0.5 |
| DC\_3-7-20\_n28 | 20 | 0.2 |
| n28 | 0.1 |
| DC\_3-7-20\_n78 | 3 | 0.2 |
| 7 | 0.2 |
| n78 | 0.5 |
| DC\_3-7-28\_n78  DC\_3-7\_n28-n78 | 3 | 0.2 |
| 7 | 0.2 |
| 28 or n28 | 0.2 |
| n78 | 0.5 |
| DC\_3-7\_SUL\_n78-n80 | 7 | 0.2 |
| 3 | 0.2 |
| n78 | 0.5 |
| DC\_3-8-20\_n78A | 3 | 0.2 |
| 8 | 0.2 |
| n78 | 0.5 |
| DC\_3-8\_SUL\_n78-n80 | 3 | 0.2 |
| 8 | 0.2 |
| n78 | 0.5 |
| DC\_3-18-42\_n77 | 42 | 0.5 |
| n77 | 0.5 |
| DC\_3-18-42\_n78 | 42 | 0.5 |
| n78 | 0.5 |
| DC\_3-18-42\_n79 | 3 | 0.2 |
| 42 | 0.5 |
| DC\_3-19-21\_n77 | 3 | 0.3 |
| 21 | 0.5 |
| n77 | 0.5 |
| DC\_3-19-21\_n78 | 3 | 0.3 |
| 21 | 0.5 |
| n78 | 0.5 |
| DC\_3-19-21\_n79 | 3 | 0.3 |
| 21 | 0.5 |
| DC\_3-19-42\_n77 | 3 | 0.2 |
| 42 | 0.5 |
| n77 | 0.5 |
| DC\_3-19-42\_n78 | 0.2 | 0.2 |
| 0.5 | 0.5 |
| 0.5 | 0.5 |
| DC\_3-19-42\_n79 | 3 | 0.2 |
| 42 | 0.5 |
| DC\_3-20\_n28-n78 | 3 | 0.2 |
| 20 | 0.2 |
| n28 | 0.2 |
| n78 | 0.5 |
| DC\_3\_20\_SUL\_n78-n80 | 3 | 0.2 |
| n78 | 0.5 |
| DC\_3-21-42\_n77 | 3 | 0.3 |
| 21 | 0.5 |
| 42 | 0.5 |
| n77 | 0.5 |
| DC\_3-21-42\_n78 | 3 | 0.3 |
| 21 | 0.5 |
| 42 | 0.5 |
| n78 | 0.5 |
| DC\_3-21-42\_n79 | 3 | 0.3 |
| 21 | 0.5 |
| 42 | 0.5 |
| DC\_3-28-42\_n77 | 3 | 0.2 |
| 28 | 0.2 |
| 42 | 0.5 |
| n77 | 0.5 |
| DC\_3-28-42\_n78 | 3 | 0.2 |
| 28 | 0.2 |
| 42 | 0.5 |
| n78 | 0.5 |
| DC\_3-28-42\_n79 | 3 | 0.2 |
| 28 | 0.2 |
| 42 | 0.5 |
| DC\_3-41-42\_n77 | 3 | 0.5 |
| 41 | 01/0.52 |
| 42 | 0.5 |
| n77 | 0.5 |
| DC\_3-41-42\_n78 | 3 | 0.5 |
| 41 | 01/0.52 |
| 42 | 0.5 |
| n78 | 0.5 |
| DC\_3-41-42\_n79 | 3 | 0.5 |
| 41 | 01/0.52 |
| 42 | 0.5 |
| DC\_5-7-7\_n78 | 5 | 0.2 |
| 7 | 0.2 |
| n78 | 0.5 |
| DC\_7-20\_n28-n78 | 7 | 0.0 |
| 20 | 0.2 |
| n28 | 0.2 |
| n78 | 0.5 |
| DC\_12-30-66\_n260 | 12 | 0.5 |
| 30 | 0.5 |
| 66 | 0.4 |
| DC\_19-21-42\_n77 | 42 | 0.5 |
| n77 | 0.5 |
| DC\_19-21-42\_n78 | 42 | 0.5 |
| n78 | 0.5 |
| DC\_19-21-42\_n79 | 42 | 0.5 |
| DC\_21-28-42\_n77 | 28 | 0.2 |
| 42 | 0.5 |
| n77 | 0.5 |
| DC\_21-28-42\_n78 | 28 | 0.2 |
| 42 | 0.5 |
| n78 | 0.5 |
| DC\_21-28-42\_n79 | 28 | 0.2 |
| 42 | 0.5 |
| NOTE 1: The requirement is applied for UE transmitting on the frequency range of 2545 - 2690 MHz.  NOTE 2: The requirement is applied for UE transmitting on the frequency range of 2496 - 2545 MHz. | | |

## **<End of Changes>**