**3GPP TSG-RAN WG4 Meeting #115 *rev* R4-2505546**

**Wuhan, China,** **7th -11th April, 2025**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| *CR-Form-v12.3* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **38.101-1** | **CR** |  | **rev** | **-** | **Current version:** | **19.1.0** |  |
|  | | | | | | | | |
| *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)*.* | | | | | | | | |
|  | | | | | | | | |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ***Proposed change affects:*** | UICC apps |  | ME | **X** | Radio Access Network |  | Core Network |  |

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | | | | | | | | | |
| ***Title:*** | Draft CR to 38.101-3 to include EN-DC band combinations | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | Huawei, Hisilicon, STC | | | | | | | | | |
| ***Source to TSG:*** | R4 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | DC\_R19\_xBLTE\_yBNR\_zDLqUL | | | | |  | ***Date:*** | | | 2025-5-9 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | **B** |  | | | | | ***Release:*** | | | Rel-19 |
|  | *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-17 (Release 17) Rel-18 (Release 18) Rel-19 (Release 19)  Rel-20 (Release 20)* | |
|  |  | | | | | | | | | |
| ***Reason for change:*** | | DC band combinations of 4~5 DL bands are requested by operators. Their fallback are either completed or submitted this meeting .  1）DC\_1A-3A-8A\_n71A  2）DC\_1A-3C-8A\_n71A  3）DC\_1A-3A-28A\_n71A  4）DC\_1A-3C-28A\_n71A  5）DC\_1A-8A-28A\_n71A  6）DC\_3A-8A-28A\_n71A  7）DC\_3C-8A-28A\_n71A  8）DC\_1A-3A-8A-28A\_n71A  9）DC\_1A-3C-8A-28A\_n71A  Fallback status is as follows:  DL\_1A-3C\_n71A, DC\_1A-3C\_n71A（already in current spec）  DC\_1A-8A\_n71A (R4-2505543)  DC\_1A-28A\_n71A（R4-2505545）  DC\_3A-8A\_n71A, DC\_3C-8A\_n71A (R4-2505544)  DC\_3A-28A\_n71A, DC\_3C-28A\_n71A (R4-2505331)  DC\_8A-28A\_n71A（R4-2505200） | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | To introduce above DC configurations consist of 4~5 bands. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Consequences if not approved:*** | | The combinations mentioned above are not supported. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 5.5B.4.3, 5.5B.4.4, 6.2B.4.2.3.3, 6.2B.4.2.3.4, 7.3B.3.3.3, 7.3B.3.3.4 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **Y** | **N** |  | | | |  | | |
| ***Other specs*** | |  | **X** | Other core specifications | | | | TS/TR ... CR ... | | |
| ***affected:*** | | **X** |  | Test specifications | | | | TS 38.521-1 | | |
| ***(show related CRs)*** | |  | **X** | O&M Specifications | | | | TS/TR ... CR ... | | |
|  | |  | | | | | | | | |
| ***Other comments:*** | |  | | | | | | | | |
|  | |  | | | | | | | | |
| ***This CR's revision history:*** | |  | | | | | | | | |

## **<<Start of Change>>**

#### 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)** |
| --- | --- |
| DC\_1A-3A\_n1A-n41A | DC\_1A\_n1A4  DC\_1A\_n41A  DC\_3A\_n1A  DC\_3A\_n41A |
| DC\_1A-3A-3A\_n1A-n41A | DC\_1A\_n1A4  DC\_1A\_n41A  DC\_3A\_n1A  DC\_3A\_n41A |

**…**

|  |  |
| --- | --- |
| DC\_1A-3A-3A-8A\_n41A | DC\_1A\_n41A  DC\_3A\_n41A  DC\_8A\_n41A |
| DC\_1A-3A-8A\_n71A  DC\_1A-3C-8A\_n71A | DC\_1A\_n71A  DC\_3A\_n71A  DC\_8A\_n71A |
| DC\_1A-3A-8A\_n77A2,9  DC\_1A-3C-8A\_n77A2,9 | DC\_1A\_n77A9  DC\_3A\_n77A9  DC\_3C\_n77A  DC\_8A\_n77A9 |

**…**

|  |  |
| --- | --- |
| DC\_1A-3A\_n28A-n41A2 | DC\_1A\_n28A  DC\_1A\_n41A  DC\_3A\_n28A  DC\_3A\_n41A |
| DC\_1A-3A-28A\_n71A  DC\_1A-3C-28A\_n71A | DC\_1A\_n71A  DC\_3A\_n71A  DC\_28A\_n71A4 |
| DC\_1A-3A\_n28A-n75A | DC\_1A\_n28A  DC\_3A\_n28A |

**…**

|  |  |
| --- | --- |
| DC\_1A-8A-28A\_n3A | DC\_1A\_n3A  DC\_8A\_n3A  DC\_28A\_n3A |
| DC\_1A-8A-28A\_n71A | DC\_1A\_n71A  DC\_8A\_n71A  DC\_28A\_n71A4 |
| DC\_1A-8A-28A\_n77A  DC\_1A-8A-28C\_n77A | DC\_1A\_n77A  DC\_8A\_n77A  DC\_28A\_n77A |

**…**

|  |  |
| --- | --- |
| DC\_3A-8A-20A\_n78A | DC\_3A\_n78A  DC\_8A\_n78A  DC\_20A\_n78A |
| DC\_3A-8A-28A\_n71A  DC\_3C-8A-28A\_n71A | DC\_3A\_n71A  DC\_8A\_n71A  DC\_28A\_n71A4 |
| DC\_3A-8A-28A\_n77A  DC\_3A-8A-28C\_n77A  DC\_3C-8A-28A\_n77A  DC\_3C-8A-28C\_n77A | DC\_3A\_n77A  DC\_8A\_n77A  DC\_28A\_n77A |

**…**

**< Non-changed part is omitted >**

## **<<Next of Change>>**

#### 5.5B.4.4 Inter-band EN-DC configurations within FR1 (five bands)

Table 5.5B.4.4-1: Inter-band EN-DC configurations within FR1 (five bands)

| **EN-DC**  **configuration** | **Uplink EN-DC configuration**  **(note 1)** |
| --- | --- |
| DC\_1A-3A-5A-7A\_n28A | DC\_1A\_n28A  DC\_3A\_n28A  DC\_5A\_n28A  DC\_7A\_n28A |
| DC\_1A-(n)3AA-n8A-n77A | DC\_1A\_n3A  DC\_1A\_n8A  DC\_1A\_n77A  DC\_(n)3AA3  DC\_3A\_n8A  DC\_3A\_n77A |

**…**

|  |  |
| --- | --- |
| DC\_1A-3A-8A-20A\_n78A | DC\_1A\_n78A  DC\_3A\_n78A  DC\_8A\_n78A  DC\_20A\_n78A |
| DC\_1A-3A-8A-28A\_n71A  DC\_1A-3C-8A-28A\_n71A | DC\_1A\_n71A  DC\_3A\_n71A  DC\_8A\_n71A  DC\_28A\_n71A4 |
| DC\_1A-3A-8A-28A\_n77A  DC\_1A-3A-8A-28C\_n77A  DC\_1A-3C-8A-28A\_n77A  DC\_1A-3C-8A-28C\_n77A | DC\_1A\_n77A  DC\_3A\_n77A  DC\_8A\_n77A  DC\_28A\_n77A |

**…**

**< Non-changed part is omitted >**

## **<<Next Change>>**

###### 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 | ΔTIB,c for E-UTRA band / NR band (dB)12 | | | |
| --- | --- | --- | --- | --- |
| Component band in order of bands in configuration13 | | | |
| DC\_1-(n)3-n8 | 0.3 | 0.3 | 0.3 | 0.3 |
| DC\_1-3\_n1-n41  DC\_1-3-3\_n1-n41 | 0.5 | 0.5 | 0.5 | 0.34/0.85 |
| DC\_1-3\_n1-n78  DC\_1-3-3\_n1-n78 | 0.5 | 0.5 | 0.5 | 0.8 |
| DC\_1-3\_n3-n41 | 0.5 | 0.5 | 0.5 | 0.34/0.85 |
| DC\_1-3\_n3-n77 | 0.6 | 0.6 | 0.6 | 0.8 |
| DC\_1-3\_n3-n78 | 0.6 | 0.6 | 0.6 | 0.8 |
| DC\_1-3\_n5-n40 | 0.6 | 0.6 | 0.6 | 0.9 |
| DC\_1-3-5\_n28 | 0.3 | 0.3 | 0.7 | 0.7 |
| DC\_1-3-5\_n40 | 0.6 | 0.6 | 0.6 | 0.9 |
| DC\_1-3-5\_n77 | 0.6 | 0.6 | 0.6 | 0.8 |
| DC\_1-3-5\_n78 | 0.6 | 0.6 | 0.3 | 0.8 |
| DC\_1-3-5\_n79 | 0.3 | 0.3 | 0.3 | - |
| DC\_1-3-7\_n3 | 0.6 | 0.6 | 0.6 | 0.6 |
| DC\_1-3-7\_n1 | 0.6 | 0.6 | 0.6 | 0.6 |
| DC\_1-3-7\_n5 | 0.6 | 0.6 | 0.6 | 0.3 |
| DC\_1-3-7\_n7  DC\_1-3-(n)7 | 0.6 | 0.6 | 0.6 | 0.6 |
| DC\_1-3-7\_n8  DC\_1-3-3-7\_n8  DC\_1-3-7-7\_n8  DC\_1-3-3-7-7\_n8 | 0.6 | 0.6 | 0.6 | 0.3 |
| DC\_1-3-7\_n26 | 0.6 | 0.6 | 0.6 | 0.3 |
| DC\_1-3-7\_n28  DC\_1-3-7-7\_n28 | 0.6 | 0.6 | 0.6 | 0.6 |
| DC\_1-3-7\_n38 | 0.6 | 0.6 | N/A | N/A |
| DC\_1-3-7\_n40  DC\_1-3-7-7\_n40 | 0.6 | 0.6 | 0.8 | 0.9 |
| DC\_1-3-7\_n77 | 0.6 | 0.6 | 0.6 | 0.8 |
| DC\_1-3-7\_n78  DC\_1-3-3-7\_n78  DC\_1-3-3-7-7\_n78  DC\_1-3-7-7\_n78  DC\_1-1-3-3-7\_n78 | 0.7 | 0.7 | 0.7 | 0.8 |
| DC\_1-3\_n7-n78 | 0.7 | 0.7 | 0.7 | 0.8 |
| DC\_1-3-7\_n105 | 0.6 | 0.6 | 0.6 | 0.6 |
| DC\_1-3-8\_n1  DC\_1-3-3-8\_n1 | 0.3 | 0.3 | 0.3 | 0.3 |
| DC\_1-3-8\_n7 | 0.6 | 0.6 | 0.6 | 0.6 |
| DC\_1-3-8\_n28 | 0.3 | 0.3 | 0.6 | 0.6 |
| DC\_1-3-8\_n41  DC\_1-3-3-8\_n41 | 0.5 | 0.5 | 0.3 | 0.34 / 0.85 |
| DC\_1-3-8\_n71 | 0.3 | 0.3 | 0.6 | 0.6 |
| DC\_1-3-8\_n77 | 0.6 | 0.6 | 0.6 | 0.8 |
| DC\_1\_n3-n8-n77  DC\_1-3-3-8\_n78 | 0.6 | 0.6 | 0.6 | 0.8 |
| DC\_1-3-8\_n78 | 0.6 | 0.6 | 0.6 | 0.8 |
| DC\_1-3\_n8-n78  DC\_1-3-3\_n8-n78 | 0.6 | 0.6 | 0.6 | 0.8 |
| DC\_1-3-8\_n79 | 0.3 | 0.3 | 0.3 | - |
| DC\_1-3-11\_n28 | 0.3 | 0.8 | 0.9 | 0.6 |
| DC\_1-3-11\_n77 | 0.6 | 0.8 | 0.9 | 0.8 |
| DC\_1-3-18\_n3 | 0.3 | 0.3 | 0.3 | 0.3 |
| DC\_1-3-18\_n28 | 0.3 | 0.3 | 0.3 | 0.6 |
| DC\_1-3-18\_n41 | 0.3 | 0.3 | 0.3 | 0.34 |
| DC\_1-3-28\_n3 | 0.3 | 0.3 | 0.6 | 0.3 |
| DC\_1-3-18\_n77 | 0.6 | 0.6 | 0.3 | 0.8 |
| DC\_1-3-18\_n78 | 0.6 | 0.6 | 0.3 | 0.8 |
| DC\_1-3-18\_n79 | 0.3 | 0.3 | 0.3 | - |
| DC\_1-3-19\_n78 | 0.6 | 0.6 | 0.3 | 0.8 |
| DC\_1-3-19\_n79 | 0.3 | 0.3 | 0.3 | - |
| DC\_1-3-20\_n1 | 0.3 | 0.3 | 0.3 | 0.3 |
| DC\_1-3-20\_n3 | 0.3 | 0.3 | 0.3 | 0.3 |
| DC\_1-3-20\_n7 | 0.3 | 0.5 | 0.3 | 0.5 |
| DC\_1-3-20\_n8 | 0.6 | 0.6 | 0.6 | 0.6 |
| DC\_1-3-20\_n28 | 0.3 | 0.3 | 0.6 | 0.6 |
| DC\_1-3-20\_n38 | 0.5 | 0.5 | 0.5 | 0.5 |
| DC\_1-3-20\_n41 | 0.5 | 0.5 | 0.3 | 0.84 / 1.35 |
| DC\_1-3-20\_n78  DC\_1-1-3-20\_n78  DC\_1-3-3-20\_n78 | 0.6 | 0.6 | 0.3 | 0.8 |
| DC\_1-3-21\_n77 | 0.6 | 0.8 | 0.9 | 0.8 |
| DC\_1-3-21\_n78 | 0.6 | 0.8 | 0.9 | 0.8 |
| DC\_1-3-21\_n79 | 0.3 | 0.8 | 0.9 | - |
| DC\_1-3-26\_n78 | 0.6 | 0.6 | 0.3 | 0.8 |
| DC\_1-3\_n26-n78 | 0.6 | 0.6 | 0.3 | 0.8 |
| DC\_1-3-28\_n5 | 0.3 | 0.3 | 0.6 | 0.6 |
| DC\_1-3-28\_n7 | 0.6 | 0.6 | 0.6 | 0.6 |
| DC\_1-3-28\_n38 | 0.6 | 0.6 | 0.6 | 0.6 |
| DC\_1-3-28\_n40 | 0.5 | 0.5 | 0.6 | 0.5 |
| DC\_1-3-28\_n71 | 0.3 | 0.3 | 1.1 | 1.1 |
| DC\_1-3\_n28-n75 | 0.3 | 0.3 | 0.6 | N/A |
| DC\_1-3-28\_n77 | 0.6 | 0.6 | 0.6 | 0.8 |
| DC\_1\_n3-n28-n77 | 0.6 | 0.6 | 0.6 | 0.8 |

**…**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| DC\_1-8-20\_n78 | 0.3 | 0.6 | 0.6 | 0.8 |
| DC\_1-8-28\_n3 | 0.3 | 0.6 | 0.6 | 0.3 |
| DC\_1-8-28\_n71 | 0.3 | 0.7 | 1.1 | 1.1 |
| DC\_1-8-28\_n77 | 0.6 | 0.6 | 0.6 | 0.8 |

**…**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| DC\_3-8-20\_n78 | 0.6 | 0.6 | 0.6 | 0.8 |
| DC\_3-8-28\_n77 | 0.6 | 0.6 | 0.5 | 0.8 |
| DC\_3-8-28\_n71 | 0.3 | 0.7 | 1.1 | 1.1 |
| DC\_3-8\_n28-n77 | 0.6 | 0.6 | 0.5 | 0.8 |
| DC\_3-8-28\_n78 | 0.6 | 0.6 | 0.5 | 0.8 |

**…**

**< Non-changed part is omitted >**

## **<<Next Change>>**

###### 6.2B.4.2.3.4 ΔTIB,c for EN-DC five bands

Table 6.2B.4.2.3.4-1: ΔTIB,c due to EN-DC (five bands)

| Inter-band EN-DC configuration | ΔTIB,c for E-UTRA band / NR band (dB)6 | | | | |
| --- | --- | --- | --- | --- | --- |
| Component band in order of bands in configuration7 | | | | |
| DC\_1-3-5-7\_n28 | 0.5 | 0.5 | 0.7 | 0.6 | 0.7 |
| DC\_1-3-5-7\_n40  DC\_1-3-5-7-7\_n40 | 0.6 | 0.6 | 0.6 | 0.8 | 0.9 |
| DC\_1-3-5-7\_n77 | 0.6 | 0.6 | 0.6 | 0.6 | 0.8 |
| DC\_1-3-5-7\_n78  DC\_1-3-5-7-7\_n78 | 0.6 | 0.6 | 0.6 | 0.6 | 0.8 |
| DC\_1-3-5\_n28-n78 | 0.6 | 0.6 | 0.6 | 0.6 | 0.9 |
| DC\_1-3-5\_n40-n77 | 0.6 | 0.6 | 0.6 | 0.35 | 0.85 |
| DC\_1-3-5\_n40-n78 | 0.6 | 0.6 | 0.6 | 0.35 | 0.85 |
| DC\_1-3-5-41\_n79 | 0.5 | 0.5 | 0.3 | 0.53 / 0.84 | - |
| DC\_1-3-7\_n3-n78 | 0.7 | 0.7 | 0.7 | 0.7 | 0.8 |
| DC\_1-3-7\_n5-n40 | 0.6 | 0.6 | 0.8 | 0.6 | 0.9 |
| DC\_1-3-7\_n7-n78 | 0.7 | 0.7 | 0.7 | 0.7 | 0.8 |
| DC\_1-3-7-8\_n7 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| DC\_1-3-7-8\_n28  DC\_1-3-3-7-8\_n78  DC\_1-3-7-7-8\_n78  DC\_1-3-3-7-7-8\_n78 | 0.5 | 0.5 | 0.6 | 0.6 | 0.6 |
| DC\_1-3-7-8\_n78 | 0.6 | 0.6 | 0.6 | 0.6 | 0.8 |
| DC\_1-3-7\_n8-n78  DC\_1-3-3-7\_n8-n78  DC\_1-3-7-7\_n8-n78  DC\_1-3-3-7-7\_n8-n78 | 0.6 | 0.6 | 0.6 | 0.6 | 0.8 |
| DC\_1-3-7-20\_n8 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| DC\_1-3-7-20\_n28 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| DC\_1-3-7-20\_n38 | 0.3 | 0.3 | N/A | 0.3 | N/A |
| DC\_1-3-7-20\_n78 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| DC\_1-3-7-26\_n78  DC\_1-1-3-7-20\_n78  DC\_1-3-3-7-20\_n78  DC\_1-3-7-7-20\_n78 | 0.6 | 0.6 | 0.6 | 0.6 | 0.8 |
| DC\_1-3-7\_n26-n78 | 0.6 | 0.6 | 0.6 | 0.6 | 0.8 |
| DC\_1-3-7-28\_n3 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| DC\_1-3-7-28\_n5 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| DC\_1-3-7-28\_n7  DC\_1-3-28-(n)7 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| DC\_1-3-7-28\_n38 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| DC\_1-3-7\_n28-n38 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| DC\_1-3-7-28\_n40 | 0.6 | 0.6 | 0.8 | 0.6 | 0.9 |
| DC\_1-3-7-28\_n78 | 0.7 | 0.7 | 0.7 | 0.6 | 0.8 |
| DC\_1-3-7\_n28-n78 | 0.7 | 0.7 | 0.7 | 0.6 | 0.8 |
| DC\_1-3-7-32\_n28 | 0.6 | 0.6 | 0.6 | N/A | 0.6 |
| DC\_1-3-7-32\_n78 | 0.7 | 0.7 | 0.7 | N/A | 0.8 |
| DC\_1-3-7-38\_n28 | 0.6 | 0.6 | N/A | N/A | 0.5 |
| DC\_1-3-7-38\_n78 | 0.7 | 0.7 | N/A | N/A | 0.8 |
| DC\_1-3-7-40\_n78 | 0.6 | 0.6 | 0.5 | 0.35 | 0.85 |
| DC\_1-3-7\_n40-n77  DC\_1-3-7-7\_n40-n77 | 0.6 | 0.6 | 0.8 | 0.9 | 0.8 |
| DC\_1-3-7\_n40-n78  DC\_1-3-7-7\_n40-n78 | 0.6 | 0.6 | 0.8 | 0.9 | 0.8 |
| DC\_1-3-7\_n40-n105 | 0.7 | 0.7 | 0.7 | 0.8 | 0.7 |
| DC\_1-3-7\_n75-n78 | 0.7 | 0.7 | 0.7 | N/A | 0.8 |
| DC\_1-3-7\_n78-n105 | 0.7 | 0.7 | 0.7 | 0.8 | 0.7 |
| DC\_1-3-8\_n1-n41  DC\_1-3-3-8\_n1-n41 | 0.5 | 0.5 | 0.3 | 0.5 | 0.33 / 0.84 |
| DC\_1-3-8\_n1-n78  DC\_1-3-3-8\_n1-n78 | 0.6 | 0.6 | 0.6 | 0.6 | 0.8 |
| DC\_1-3-8\_n7-n78 | 0.7 | 0.7 | 0.6 | 0.7 | 0.8 |
| DC\_1-3-8-11\_n28 | 0.3 | 0.8 | 0.6 | 0.9 | 0.6 |
| DC\_1-3-8-11\_n77 | 0.6 | 0.8 | 0.6 | 0.9 | 0.8 |
| DC\_1-3-8-20\_n78 | 0.6 | 0.6 | 0.6 | 0.6 | 0.8 |
| DC\_1-3-8-28\_n71 | 0.3 | 0.3 | 0.7 | 1.1 | 1.1 |
| DC\_1-3-8-28\_n77 | 0.6 | 0.6 | 0.6 | 0.6 | 0.8 |

**…**

**< Non-changed part is omitted >**

## **<<Next Change>>**

##### 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 | ΔRIB,c for E-UTRA band / NR band (dB)11 | | | |
| --- | --- | --- | --- | --- |
| Component band in order of bands in configuration12 | | | |
| DC\_1-3\_n1-n41  DC\_1-3-3\_n1-n41 | - | - | - | 03 / 0.54 |
| DC\_1-(n)3-n8 | - | - | - | - |
| DC\_1-3\_n1-n78  DC\_1-3-3\_n1-n78 | - | - | - | 0.5 |
| DC\_1-3\_n3-n41 | - | - | - | 03 / 0.54 |
| DC\_1-3\_n3-n77 | 0.2 | 0.2 | 0.2 | 0.5 |
| DC\_1-3-5\_n28 | - | - | 0.2 | 0.2 |
| DC\_1-3\_n5-n40 | - | - | 0.2 | 0.8 |
| DC\_1-3-5\_n40 | - | - | 0.2 | 0.8 |
| DC\_1-3-5\_n77 | 0.2 | 0.2 | 0.2 | 0.5 |
| DC\_1-3\_n3-n78 | 0.2 | 0.2 | 0.2 | 0.5 |
| DC\_1-3-5\_n78 | 0.2 | 0.2 | - | 0.5 |
| DC\_1-3-7\_n8  DC\_1-3-3-7\_n8  DC\_1-3-7-7\_n8  DC\_1-3-3-7-7\_n8 | - | - | - | 0.2 |
| DC\_1-3-7\_n28  DC\_1-3-7-7\_n28 | - | - | - | 0.2 |
| DC\_1-3-7\_n40 | - | - | 0.3 | 0.8 |
| DC\_1-3-7\_n77 | 0.2 | 0.2 | 0.2 | 0.5 |
| DC\_1-3-7\_n78  DC\_1-3-3-7\_n78  DC\_1-3-3-7-7\_n78  DC\_1-3-7-7\_n78  DC\_1-1-3-3-7\_n78 | 0.3 | 0.3 | 0.3 | 0.5 |
| DC\_1-3\_n7-n78 | 0.3 | 0.3 | 0.3 | 0.5 |
| DC\_1-3-7\_n105 | - | - | - | 0.3 |
| DC\_1-3-8\_n7 | - | - | 0.2 | - |
| DC\_1-3-8\_n28 | - | - | 0.2 | 0.2 |
| DC\_1-3-8\_n41  DC\_1-3-3-8\_n41 | - | - | - | 03 / 0.54 |
| DC\_1-3-8\_n71 | - | - | 0.2 | 0.2 |
| DC\_1-3-8\_n77 | 0.2 | 0.2 | 0.2 | 0.5 |
| DC\_1\_n3-n8-n77 | 0.2 | 0.2 | 0.2 | 0.5 |
| DC\_1-8\_n3-n79 | - | - | - | 0.5 |
| DC\_1-3-8\_n78  DC\_1-3-3-8\_n78 | 0.2 | 0.2 | 0.2 | 0.5 |
| DC\_1-3\_n8-n78  DC\_1-3-3\_n8-n78 | 0.2 | 0.2 | 0.2 | 0.5 |
| DC\_1-3-11\_n28 | - | 0.3 | 0.5 | 0.2 |
| DC\_1-3-11\_n77 | 0.2 | 0.3 | 0.5 | 0.5 |
| DC\_1-3-18\_n28 | - | - | - | 0.2 |
| DC\_1-3-18\_n41 | - | - | - | 0.26 |
| DC\_1-3-28\_n3 | - | - | 0.2 | - |
| DC\_1-3-18\_n77 | 0.2 | 0.2 | - | 0.5 |
| DC\_1-3-18\_n78 | 0.2 | 0.2 | - | 0.5 |
| DC\_1-3-19\_n78 | 0.2 | 0.2 | - | 0.5 |
| DC\_1-3-20\_n28 | - | - | 0.2 | 0.2 |
| DC\_1-3-20\_n41 | - | - | - | 01 / 0.54 |
| DC\_1-3-20\_n78  DC\_1-1-3-20\_n78  DC\_1-3-3-20\_n78 | 0.2 | 0.2 | - | 0.5 |
| DC\_1-3-21\_n77 | 0.2 | 0.3 | 0.5 | 0.5 |
| DC\_1-3-21\_n78 | 0.2 | 0.3 | 0.5 | 0.5 |
| DC\_1-3-21\_n79 | - | 0.3 | 0.5 | - |
| DC\_1-3-26\_n78 | 0.6 | 0.6 | 0.3 | 0.8 |
| DC\_1-3\_n26-n78 | 0.2 | 0.2 | - | 0.5 |
| DC\_1-3-28\_n5 | - | - | 0.2 | 0.2 |
| DC\_1-3-28\_n7 | - | - | 0.2 | - |
| DC\_1-3-28\_n38 | - | - | 0.2 | - |
| DC\_1-3-28\_n40 | - | - | 0.2 | - |
| DC\_1-3\_n28-n75 | 0.2 | - | 0.2 | - |
| DC\_1-3-28\_n77 | 0.2 | 0.2 | 0.2 | 0.5 |
| DC\_1-3\_n28-n77 | 0.2 | 0.2 | 0.2 | 0.5 |
| DC\_1\_n3-n28-n77 | 0.2 | 0.2 | 0.2 | 0.5 |
| DC\_1-3-28\_n71 | - | - | 0.7 | 0.7 |
| DC\_1-3-28\_n78  DC\_1-3-3-28\_n78 | 0.2 | 0.2 | 0.2 | 0.5 |
| DC\_1-3\_n28-n78 | 0.2 | 0.2 | 0.2 | 0.5 |

**…**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| DC\_1-8-20\_n78 | - | 0.2 | - | 0.5 |
| DC\_1-8-28\_n3 | - | 0.2 | 0.2 | - |
| DC\_1-8-28\_n71 | - | 0.2 | 0.7 | 0.7 |
| DC\_1-8-28\_n77 | 0.2 | 0.2 | 0.2 | 0.5 |

**…**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| DC\_3-8-11\_n28 | 0.3 | 0.2 | 0.5 | 0.2 |
| DC\_3-8-11\_n77 | 0.3 | 0.2 | 0.5 | 0.5 |
| DC\_3-8-20\_n28 | - | 0.2 | 0.1 | 0.1 |
| DC\_3-8-20\_n78 | 0.2 | 0.2 | - | 0.5 |
| DC\_3-8-28\_n71 | - | 0.2 | 0.7 | 0.7 |
| DC\_3-8-28\_n77 | 0.2 | 0.2 | 0.2 | 0.5 |
| DC\_3-8\_n28-n77 | 0.2 | 0.2 | 0.2 | 0.5 |

**…**

**< Non-changed part is omitted >**

## **<<Next Change>>**

##### 7.3B.3.3.4 ΔRIB,c for EN-DC five bands

Table 7.3B.3.3.4-1: ΔRIB,c due to EN-DC (five bands)

| Inter-band EN-DC configuration | ΔRIB,c for E-UTRA band / NR band (dB)6 | | | | |
| --- | --- | --- | --- | --- | --- |
| Component band in order of bands in configuration7 | | | | |
| DC\_1-3-5-7\_n28 | - | - | 0.2 | - | 0.2 |
| DC\_1-3-5-7\_n40  DC\_1-3-5-7-7\_n40 | - | - | 0.2 | 0.3 | 0.8 |
| DC\_1-3-5-7\_n77 | 0.2 | 0.2 | 0.2 | 0.2 | 0.5 |
| DC\_1-3-5-7\_n78  DC\_1-3-5-7-7\_n78 | 0.2 | 0.2 | 0.2 | 0.2 | 0.5 |
| DC\_1-3-5\_n28-n78 | 0.2 | 0.2 | 0.2 | 0.2 | 0.8 |
| DC\_1-3-5\_n40-n77 | 0.2 | 0.2 | 0.2 | 0.45 | 0.55 |
| DC\_1-3-5\_n40-n78 | 0.2 | 0.2 | 0.2 | 0.45 | 0.55 |
| DC\_1-3-5-41\_n79 | - | - | - | 03 / 0.54 | - |
| DC\_1-3-7\_n3-n78 | 0.3 | 0.3 | 0.3 | 0.3 | 0.5 |
| DC\_1-3-7\_n5-n40 | - | - | 0.3 | 0.2 | 0.8 |
| DC\_1-3-7\_n7-n78 | 0.3 | 0.3 | 0.3 | 0.3 | 0.5 |
| DC\_1-3-7-8\_n7 | - | - | - | 0.2 | - |
| DC\_1-3-7-8\_n28 | - | - | - | 0.2 | 0.2 |
| DC\_1-3-7-8\_n78  DC\_1-3-3-7-8\_n78  DC\_1-3-7-7-8\_n78  DC\_1-3-3-7-7-8\_n78 | 0.2 | 0.2 | 0.2 | 0.2 | 0.5 |
| DC\_1-3-7\_n8-n78  DC\_1-3-3-7\_n8-n78  DC\_1-3-7-7\_n8-n78  DC\_1-3-3-7-7\_n8-n78 | 0.2 | 0.2 | 0.2 | 0.2 | 0.5 |
| DC\_1-3-7-20\_n28 | - | - | - | 0.2 | 0.2 |
| DC\_1-3-7-20\_n38 | - | - | - | - | 0.2 |
| DC\_1-3-7-20\_n78 | 0.2 | 0.2 | 0.2 | - | 0.5 |
| DC\_1-3-7\_n26-n78 | 0.2 | 0.2 | 0.2 | 0.2 | 0.5 |
| DC\_1-3-7-26\_n78 | 0.2 | 0.2 | 0.2 | 0.2 | 0.5 |
| DC\_1-3-7-28\_n3 | - | - | - | 0.2 | - |
| DC\_1-3-7-28\_n5 | - | - | - | 0.2 | 0.2 |
| DC\_1-3-7-28\_n7  DC\_1-3-28-(n)7 | - | - | - | 0.2 | - |
| DC\_1-3-7-28\_n38 | - | - | - | 0.2 | - |
| DC\_1-3-7\_n28-n38 | - | - | - | 0.2 | - |
| DC\_1-3-7-28\_n40 | - | - | 0.3 | 0.2 | 0.8 |
| DC\_1-3-7-28\_n78 | 0.2 | 0.2 | 0.2 | 0.2 | 0.5 |
| DC\_1-3-7\_n28-n78 | 0.2 | 0.2 | 0.2 | 0.2 | 0.5 |
| DC\_1-3-7-32\_n28 | - | 0.5 | - | - | 0.5 |
| DC\_1-3-7-32\_n78 | 0.3 | 0.3 | 0.3 | - | 0.5 |
| DC\_1-3-7-38\_n28 | - | - | - | 0.2 | 0.2 |
| DC\_1-3-7-40\_n78 | 0.2 | 0.2 | - | 0.45 | 0.55 |
| DC\_1-3-7\_n40-n77  DC\_1-3-7-7\_n40-n77 | - | - | 0.3 | 0.8 | 0.5 |
| DC\_1-3-7\_n40-n78  DC\_1-3-7-7\_n40-n78 | - | - | 0.3 | 0.8 | 0.5 |
| DC\_1-3-7\_n40-n105 | 0.2 | 0.2 | 0.2 | 0.5 | 0.3 |
| DC\_1-3-7\_n75-n78 | 0.3 | 0.3 | 0.3 | - | 0.5 |
| DC\_1-3-7\_n78-n105 | 0.6 | 0.6 | 0.3 | 0.5 | 0.3 |
| DC\_1-3-8\_n1-n41  DC\_1-3-3-8\_n1-n41 | - | - | - | - | 03 / 0.54 |
| DC\_1-3-8\_n1-n78  DC\_1-3-3-8\_n1-n78 | 0.2 | 0.2 | 0.2 |  | 0.5 |
| DC\_1-3-8\_n7-n78 | 0.2 | 0.2 | 0.2 | 0.2 | 0.5 |
| DC\_1-3-8-11\_n28 | - | 0.3 | 0.2 | 0.5 | 0.2 |
| DC\_1-3-8-11\_n77 | 0.2 | 0.3 | 0.2 | 0.5 | 0.5 |
| DC\_1-3-8-20\_n78 | 0.2 | 0.2 | 0.2 | - | 0.5 |
| DC\_1-3-8-28\_n71 | - | - | 0.2 | 0.7 | 0.7 |
| DC\_1-3-8-28\_n77 | 0.2 | 0.2 | 0.2 | 0.2 | 0.5 |
| DC\_1-3-8\_n28-n77 | 0.2 | 0.2 | 0.2 | 0.2 | 0.5 |

…

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| DC\_19-42\_n1-n77-n79 | 0.3 | 0.5 | 0.3 | 0.5 | - |
| DC\_19-42\_n1-n78-n79 | 0.3 | 0.5 | 0.3 | 0.5 | - |
| DC\_20-28-32-38\_n1 | 0.2 | 0.2 | - | - | - |
| 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 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.  NOTE 5: Only applicable for UE supporting inter-band carrier aggregation with uplink in one E-UTRA band and without simultaneous Rx/Tx.  NOTE 6: “-” denotes ΔRIB,c = 0.  NOTE 7: The component band order in the configuration should be listed by the order of E-UTRA band and NR band respectively, such as for DC\_2-30-66-(n)5 the band order from left to right is 2, 5, 30, 66 and n5. | | | | | |

## **<<End of Change>>**