**3GPP TSG-RAN WG4 Meeting # 95-e R4-2007339**

Electronic Meeting, 25 May – 5 June, 2020

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| *CR-Form-v12.0* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **38.101-3** | **CR** | 0275 | **rev** | **-** | **Current version:** | **16.3.0** |  |
|  | | | | | | | | |
| *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:*** | CR on introduction of completed EN-DC of 2 bands LTE and 1 band NR from RAN4#94bis-e and RAN4#95-e into TS 38.101-3 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | Huawei, HiSilicon | | | | | | | | | |
| ***Source to TSG:*** | R4 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | DC\_R16\_2BLTE\_1BNR\_3DL2UL | | | | |  | ***Date:*** | | | 2020-06-05 |
|  |  | | | |  | |  | | |  |
| ***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:*** | | The core requirements for DC combinations are complete based on the following contributions approved at RAN4#94bis-e:  R4-2003123  R4-2003129  R4-2003130  R4-2003131  R4-2003167  R4-2003454  R4-2003457  R4-2003488  R4-2003581  R4-2003582  R4-2003583  R4-2003927  R4-2003929  R4-2003930  R4-2003931  R4-2003932  R4-2003934  R4-2003935  R4-2003936  R4-2004496  R4-2004497  R4-2004498  R4-2004610  R4-2004611  R4-2004612  R4-2005004  R4-2005005  R4-2005006  R4-2005007  R4-2005131  R4-2005133  R4-2005134  R4-2005143  R4-2005146  R4-2005147  R4-2005148  R4-2003440  R4-2003937  R4-2004593  R4-2005154  R4-2005165  The core requirements for DC combinations are complete based on the following contributions approved at RAN4#95-e:  R4-2006395  R4-2006498  R4-2006499  R4-2006672  R4-2006679  R4-2006681  R4-2008340  R4-2006689  R4-2006934  R4-2007614  R4-2007615  R4-2007616  R4-2007617  R4-2007618  R4-2008345  R4-2008346  R4-2006394  R4-2006396  R4-2006397  R4-2007619  R4-2007620  R4-2008378 | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | DC combanations above are added in corresponding clauses. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Consequences if not approved:*** | | These DC combanations are not included in the spec. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 5.5B.4.2, 5.5B.5.2, 6.2B.4.2.3.2, 7.3B.2.3.5.2, 7.3B.3.3.2 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **Y** | **N** |  | | | |  | | |
| ***Other specs*** | |  |  | Other core specifications | | | | TS/TR ... CR ... | | |
| ***affected:*** | | **X** |  | Test specifications | | | | TS 38.521 | | |
| ***(show related CRs)*** | |  |  | O&M Specifications | | | | TS/TR ... CR ... | | |
|  | |  | | | | | | | | |
| ***Other comments:*** | |  | | | | | | | | |
|  | |  | | | | | | | | |
| ***This CR's revision history:*** | |  | | | | | | | | |

###### *------------------------------ Modified 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) |
| --- | --- |
| DC\_1A-3A\_n5A  DC\_1A-3C\_n5A | DC\_1A\_n5A  DC\_3A\_n5A  DC\_3C\_n5A |
| DC\_1A-3A\_n7A  DC\_1A-3A\_n7B  DC\_1A-3C\_n7A  DC\_1A-3C\_n7B | DC\_1A\_n7A  DC\_3A\_n7A  DC\_3C\_n7A |
| DC\_1A-1A-3A\_n7A DC\_1A-1A-3A\_n7B DC\_1A-1A-3C\_n7A DC\_1A-1A-3C\_n7B  DC\_1A-3A-3A\_n7A DC\_1A-3A-3A\_n7B  DC\_1A-1A-3A-3A\_n7A | DC\_1A\_n7A  DC\_3A\_n7A  DC\_3C\_n7A |
| DC\_1A-3A\_n8A | DC\_1A\_n8A  DC\_3A\_n8A |
| DC\_1A-3A\_n28A  DC\_1A-3C\_n28A | DC\_1A\_n28A  DC\_3A\_n28A  DC\_3C\_n28A |
| DC\_1A\_n3A-n28A | DC\_1A\_n3A  DC\_1A\_n28A |
| DC\_1A-3A\_n38A | DC\_1A\_n38A  DC\_3A\_n38A |
| DC\_1A-3A\_n40A | DC\_1A\_n40A DC\_3A\_n40A |
| DC\_1A-3A\_n41A  DC\_1A-3C\_n41A | DC\_1A\_n41A  DC\_3A\_n41A  DC\_3C\_n41A |
| DC\_1A-3A\_n71A  DC\_1A-3A\_n71B | DC\_1A\_n71A  DC\_3A\_n71A |
| DC\_1A-3A\_n77A5  DC\_1A-3A\_n77C5 | DC\_1A\_n77A  DC\_3A\_n77A |
| DC\_1A-3A\_n77(2A) | DC\_1A\_n77A  DC\_3A\_n77A |
| DC\_1A-3A\_n78A5  DC\_1A-3A\_n78C5  DC\_1A-3C\_n78A5 | DC\_1A\_n78A  DC\_3A\_n78A |
| DC\_1A-3A\_n78(2A)5  DC\_1A-3C\_n78(2A)5 | DC\_1A\_n78A  DC\_3A\_n78A  DC\_3C\_n78A |
| DC\_1A\_n3A-n78A | DC\_1A\_n3A  DC\_1A\_n78A |
| DC\_1A-3A\_n79A5  DC\_1A-3A\_n79C5 | DC\_1A\_n79A  DC\_3A\_n79A |
| DC\_1A-5A\_n78A5 | DC\_1A\_n78A  DC\_5A\_n78A |
| DC\_1A-5A\_n79A | DC\_1A\_n79A  DC\_5A\_n79A |
| DC\_1A\_n5A-n78A | DC\_1A\_n5A  DC\_1A\_n78A |
| DC\_1A-7A\_n3A  DC\_1A-7C\_n3A | DC\_1A\_n3A  DC\_7A\_n3A  DC\_7C\_n3A |
| DC\_1A-7A\_n5A  DC\_1A-7C\_n5A | DC\_1A\_n5A  DC\_7A\_n5A  DC\_7C\_n5A |
| DC\_1A-7A\_n7A | DC\_1A\_n7A  DC\_7A\_n7A2 |
| DC\_1A-1A-7A\_n7A | DC\_1A\_n7A  DC\_7A\_n7A2 |
| DC\_1A-7A\_n8A | DC\_1A\_n8A  DC\_7A\_n8A |
| DC\_1A-7A\_n28A5  DC\_1A-7C\_n28A | DC\_1A\_n28A  DC\_7A\_n28A  DC\_7C\_n28A |
| DC\_1A-7A\_n40A | DC\_1A\_n40A  DC\_7A\_n40A |
| DC\_1A-7A\_n78A5  DC\_1A-7C\_n78A | DC\_1A\_n78A  DC\_7A\_n78A  DC\_7C\_n78A |
| DC\_1A-7A\_n78(2A)5  DC\_1A-7C\_n78(2A)5 | DC\_1A\_n78A  DC\_7A\_n78A  DC\_7C\_n78A |
| DC\_1A-7A-7A\_n78A5 | DC\_1A\_n78A  DC\_7A\_n78A |
| DC\_1A\_n7A-n78A  DC\_1A\_n7B-n78A | DC\_1A\_n7A  DC\_1A\_n78A |
| DC\_1A-8A\_n3A | DC\_1A\_n3A  DC\_8A\_n3A |
| DC\_1A-8A\_n28A | DC\_1A\_n28A  DC\_8A\_n28A |
| DC\_1A-8A\_n77A | DC\_1A\_n77A  DC\_8A\_n77A |
| DC\_1A-8A\_n77(2A) | DC\_1A\_n77A  DC\_8A\_n77A |
| DC\_1A-8A\_n78A5 | DC\_1A\_n78A  DC\_8A\_n78A |
| DC\_1A\_n8A-n78A | DC\_1A\_n8A  DC\_1A\_n78A |
| DC\_1A-8A\_n79A | DC\_1A\_n79A  DC\_8A\_n79A |
| DC\_1A-11A\_n3A | DC\_1A\_n3A  DC\_11A\_n3A |
| DC\_1A-11A\_n77A | DC\_1A\_n77A  DC\_11A\_n77A |
| DC\_1A-11A\_n77(2A) | DC\_1A\_n77A  DC\_11A\_n77A |
| DC\_1A-11A\_n78A | DC\_1A\_n78A  DC\_11A\_n78A |
| DC\_1A-18A\_n3A | DC\_1A\_n3A  DC\_18A\_n3A |
| DC\_1A-18A\_n77A5 | DC\_1A\_n77A  DC\_18A\_n77A |
| DC\_1A-18A\_n78A5 | DC\_1A\_n78A  DC\_18A\_n78A |
| DC\_1A-18A\_n79A | DC\_1A\_n79A  DC\_18A\_n79A |
| DC\_1A-19A\_n77A5  DC\_1A-19A\_n77C5 | DC\_1A\_n77A  DC 19A\_n77A |
| DC\_1A-19A\_n78A5  DC\_1A-19A\_n78C5 | DC\_1A\_n78A  DC\_19A\_n78A |
| DC\_1A-19A\_n79A5  DC\_1A-19A\_n79C5 | DC\_1A\_n79A  DC\_19A\_n79A |
| DC\_1A-20A\_n3A  DC\_1C-20A\_n3A | DC\_1A\_n3A  DC\_20A\_n3A |
| DC\_1A-20A\_n8A | DC\_1A\_n8A  DC\_20A\_n8A |
| DC\_1A-20A\_n28A6 | DC\_1A\_n28A  DC\_20A\_n28A |
| DC\_1A-20A\_n38A | DC\_1A\_n38A  DC\_20A\_n38A |
| DC\_1A-20A\_n41A | DC\_1A\_n41  DC\_20A\_n41 |
| DC\_1A-20A\_n78A5 | DC\_1A\_n78A  DC\_20A\_n78A |
| DC\_1A-21A\_n77A5  DC\_1A-21A\_n77C5 | DC\_1A\_n77A  DC\_21A\_n77A |
| DC\_1A-21A\_n78A5  DC\_1A-21A\_n78C5 | DC\_1A\_n78A  DC\_21A\_n78A |
| DC\_1A-21A\_n79A5  DC\_1A-21A\_n79C5 | DC\_1A\_n79A  DC\_21A\_n79A |
| DC\_1A-28A\_n3A | DC\_1A\_n3A  DC\_28A\_n3A |
| DC\_1A-28A\_n5A6 | DC\_1A\_n5A  DC\_28A\_n5A |
| DC\_1A-28A\_n7A  DC\_1A-28A\_n7B | DC\_1A\_n7A  DC\_28A\_n7A  DC\_1A\_n7B  DC\_28A\_n7B |
| DC\_1A-1A-28A\_n7A  DC\_1A-1A-28A\_n7B | DC\_1A\_n7A  DC\_28A\_n7A  DC\_1A\_n7B  DC\_28A\_n7B |
| DC\_1A-28A\_n40A | DC\_1A\_n40A DC\_28A\_n40A |
| DC\_1A-28A\_n77A5  DC\_1A-28A\_n77C5 | DC\_1A\_n77A  DC\_28A\_n77A |
| DC\_1A-28A\_n78A5  DC\_1A-28A\_n78C5 | DC\_1A\_n78A  DC\_28A\_n78A |
| DC\_1A\_n28A-n78A5 | DC\_1A\_n28A  DC\_1A\_n78A |
| DC\_1A-28A\_n79A  DC\_1A-28A\_n79C | DC\_1A\_n79A  DC\_28A\_n79A |
| DC\_1A-32A\_n78A  DC\_1A-32A\_n78(2A) | DC\_1A\_n78A |
| DC\_1A-(n)38AA | DC\_1A\_n38A |
| DC\_1A\_n40A-n78A | DC\_1A\_n40A  DC\_1A\_n78A |
| DC\_1A-41A\_n3A  DC\_1A-41C\_n3A | DC\_41A\_n3A  DC\_41C\_n3A |
| DC\_1A-41A\_n28A  DC\_1A-41C\_n28A | DC\_1A\_n28A  DC\_41A\_n28A  DC\_41C\_n28A |
| DC\_1A-(n)41AA  DC\_1A-(n)41CA  DC\_1A-(n)41DA | DC\_1A\_n41A |
| DC\_1A-41A\_n41A  DC\_1A-41C\_n41A | DC\_1A\_n41A |
| DC\_1A-41A\_n77A  DC\_1A-41C\_n77A | DC\_1A\_n77A  DC\_41A\_n77A |
| DC\_1A-41A\_n77(2A)  DC\_1A-41C\_n77(2A) | DC\_1A\_n77A  DC\_41A\_n77A  DC\_41C\_n77A |
| DC\_1A-41A\_n78A  DC\_1A-41C\_n78A | DC\_1A\_n78A  DC\_41A\_n78A |
| DC\_1A-41A\_n78(2A)  DC\_1A-41C\_n78(2A) | DC\_1A\_n78A  DC\_41A\_n78A  DC\_41C\_n78A |
| DC\_1A-41A\_n79A  DC\_1A-41C\_n79A | DC\_1A\_n79A |
| DC\_1A-42A\_n28A | DC\_1A\_n28A  DC\_42A\_n28A |
| DC\_1A-42C\_n28A | DC\_1A\_n28A  DC\_42A\_n28A  DC\_42C\_n28A |
| DC\_1A-42A\_n77A  DC\_1A-42A\_n77C  DC\_1A-42C\_n77A  DC\_1A-42C\_n77C  DC\_1A-42D\_n77A  DC\_1A-42D\_n77C  DC\_1A-42E\_n77A  DC\_1A-42E\_n77C | DC\_1A\_n77A |
| DC\_1A-42A\_n77(2A)  DC\_1A-42C\_n77(2A) | DC\_1A\_n77A |
| DC\_1A-42A\_n78A  DC\_1A-42A\_n78C  DC\_1A-42C\_n78A  DC\_1A-42C\_n78C  DC\_1A-42D\_n78A  DC\_1A-42D\_n78C  DC\_1A-42E\_n78A  DC\_1A-42E\_n78C | DC\_1A\_n78A |
| DC\_1A-42A\_n79A  DC\_1A-42A\_n79C  DC\_1A-42C\_n79A  DC\_1A-42C\_n79C  DC\_1A-42D\_n79A  DC\_1A-42D\_n79C  DC\_1A-42E\_n79A  DC\_1A-42E\_n79C | DC\_1A\_n79A |
| DC\_1A\_n77A-n79A | DC\_1A\_n77A  DC\_1A\_n79A |
| DC\_1A\_SUL\_n77A-n80A | DC\_1A\_n77A  DC\_1A\_n80A |
| DC\_1A\_SUL\_n77A-n84A | DC\_1A\_n77A  DC\_1A\_n84A\_ULSUP-TDM\_n77A |
| DC\_1A\_n78A-n79A | DC\_1A\_n78A  DC\_1A\_n79A |
| DC\_1A\_SUL\_n78A-n80A | DC\_1A\_n78A  DC\_1A\_n80A |
| DC\_1A\_SUL\_n78A-n84A5 | DC\_1A\_n78A,  DC\_1A\_n84A\_ULSUP-TDM\_n78A, |
| DC\_1A\_SUL\_n79A-n84A | DC\_1A\_n79A,  DC\_1A\_n84A\_ULSUP-TDM\_n78A |
| DC\_2A-4A\_n38A | DC\_2A\_n38A  DC\_4A\_n38A |
| DC\_2A-4A\_n41A | DC\_2A\_n41A  DC\_4A\_n41A |
| DC\_2A-5A\_n2A | DC\_5A\_n2A |
| DC\_2A-5B\_n2A | DC\_5A\_n2A |
| DC\_2A-5A-5A\_n2A | DC\_5A\_n2A |
| DC\_2A-5A\_n5A | DC\_2A\_n5A |
| DC\_2A-2A-5A\_n5A | DC\_2A\_n5A |
| DC\_2A-5A\_n66A  DC\_2A-5B\_n66A | DC\_2A\_n66A  DC\_5A\_n66A |
| DC\_2A-5A-5A\_n66A | DC\_2A\_n66A  DC\_5A\_n66A |
| DC\_2A-5A\_n71A | DC\_2A\_n71A  DC\_5A\_n71A |
| DC\_2A-7A\_n38A | 2A8 |
| DC\_2A-2A-7A\_n38A | 2A8 |
| DC\_2A-7A\_n66A  DC\_2A-7C\_n66A | DC\_2A\_n66A  DC\_7A\_n66A |
| DC\_2A-7A-7A\_n66A DC\_2A-2A-7A\_n66A | DC\_2A\_n66A  DC\_7A\_n66A |
| DC\_2A-7A\_n71A | DC\_2A\_n71A  DC\_7A\_n71A |
| DC\_2A-2A-7A\_n71A | DC\_2A\_n71A  DC\_7A\_n71A |
| DC\_2A-7A\_n78A  DC\_2A-7C\_n78A  DC\_2A-7A\_n78(2A)  DC\_2A-7C\_n78(2A) | DC\_2A\_n78A  DC\_7A\_n78A  DC\_7C\_n78A |
| DC\_2A\_n7A-n78A | DC\_2A\_n7A  DC\_2A\_n78A |
| DC\_2A-7A-7A\_n78A  DC\_2A-7A-7A\_n78(2A) | DC\_2A\_n78A  DC\_7A\_n78A |
| DC\_2A-12A\_n2A | DC\_12A\_n2A |
| DC\_2A\_(n)12AA | DC\_2A\_n12A  DC\_(n)12AA2 |
| DC\_2A-12A\_n66A | DC\_2A\_n66A  DC\_12A\_n66A |
| DC\_2A-2A-12A\_n66A | DC\_2A\_n66A  DC\_12A\_n66A |
| DC\_2A-13A\_n2A | DC\_13A\_n2A |
| DC\_2A-13A\_n5A | DC\_2A\_n5A |
| DC\_2A-2A-13A\_n5A | DC\_2A\_n5A |
| DC\_2A-13A\_n66A | DC\_2A\_n66A  DC\_13A\_n66A |
| DC\_2A-2A-13A\_n66A | DC\_2A\_n66A  DC\_13A\_n66A |
| DC\_2A-14A\_n2A | DC\_2A\_n2A2 DC\_14A\_n2A |
| DC\_2A-14A\_n66A | DC\_2A\_n66A DC\_14A\_n66A |
| DC\_2A-2A-14A\_n66A | DC\_2A\_n66A DC\_14A\_n66A |
| DC\_2A-29A\_n66A | DC\_2A\_n66A |
| DC\_2A-2A-29A\_n66A | DC\_2A\_n66A |
| DC\_2A-30A\_n5A | DC\_2A\_n5A  DC\_30A\_n5A |
| DC\_2A-2A-30A\_n5A | DC\_2A\_n5A  DC\_30A\_n5A |
| DC\_2A-30A\_n66A | DC\_2A\_n66A  DC\_30A\_n66A |
| DC\_2A-2A-30A\_n66A | DC\_2A\_n66A  DC\_30A\_n66A |
| DC\_2A\_n41A-n66A  DC\_2A\_n41C-n66A | DC\_2A\_n41A  DC\_2A\_n66A |
| DC\_2A\_n41(2A)-n66A | DC\_2A\_n41A  DC\_2A\_n66A |
| DC\_2A\_n41A-n71A  DC\_2A\_n41C-n71A | DC\_2A\_n41A  DC\_2A\_n71A |
| DC\_2A\_n41(2A)-n71A | DC\_2A\_n41A  DC\_2A\_n71A |
| DC\_2A-46A\_n41A  DC\_2A-46C\_n41A  DC\_2A-46D\_n41A | DC\_2A\_n41A |
| DC\_2A-46A\_n41(2A)  DC\_2A-46C\_n41(2A)  DC\_2A-46D\_n41(2A) | DC\_2A\_n41A |
| DC\_2A-46A\_n66A  DC\_2A-46C\_n66A  DC\_2A-46D\_n66A | DC\_2A\_n66A |
| DC\_2A-46A\_n71A  DC\_2A-46C\_n71A  DC\_2A-46D\_n71A | DC\_2A\_n71A |
| DC\_2A-48A\_n71A | DC\_2A\_n71A  DC\_48A\_n71A |
| DC\_2A-48A\_n12A | DC\_2A\_n12A  DC\_48A\_n12A |
| DC\_2A-48A\_n66A | DC\_2A\_n66A  DC\_48A\_n66A |
| DC\_2A-66A\_n5A | DC\_2A\_n5A  DC\_66A\_n5A |
| DC\_2A-2A-66A\_n5A  DC\_2A-66A-66A\_n5A  DC\_2A-2A-66A-66A\_n5A  DC\_2A-66A-66A-66A\_n5A | DC\_2A\_n5A  DC\_66A\_n5A |
| DC\_2A-66A\_n12A | DC\_2A\_n12A  DC\_66A\_n12A |
| DC\_2A-66A\_n25A | DC\_66A\_n25A |
| DC\_2A-66A\_n38A | DC\_2A\_n38A  DC\_66A\_n38A |
| DC\_2A-2A-66A\_n38A  DC\_2A-66A-66A\_n38A | DC\_2A\_n38A  DC\_66A\_n38A |
| DC\_2A-66A\_n41A  DC\_2A-66A\_n41C  DC\_2C-66A\_n41A | DC\_2A\_n41A  DC\_66A\_n41A |
| DC\_2A-2A-66A\_n41A  DC\_2A-66A\_n41(2A) | DC\_2A\_n41A  DC\_66A\_n41A |
| DC\_2A-66A\_n48A | DC\_2A\_n48A  DC\_66A\_n48A |
| DC\_2A-66A\_n48B | DC\_2A\_n48A  DC\_66A\_n48A |
| DC\_2A-66A-66A\_n48A | DC\_2A\_n48A  DC\_66A\_n48A |
| DC\_2A-66A-66A\_n48B | DC\_2A\_n48A  DC\_66A\_n48A |
| DC\_2A-66A\_n66A | DC\_2A\_n66A  DC\_66A\_n66A2 |
| DC\_2A-2A-66A\_n66A | DC\_2A\_n66A  DC\_66A\_n66A2 |
| DC\_2A-66A\_n71A  DC\_2A-66A\_n71B  DC\_2A-66C\_n71A  DC\_2C-66A\_n71A | DC\_2A\_n71A  DC\_66A\_n71A |
| DC\_2A-2A-66A\_n71A  DC\_2A-66A-66A\_n71A  DC\_2A-2A-66A-66A\_n71A | DC\_2A\_n71A  DC\_66A\_n71A |
| DC\_2A\_n66A-n71A | DC\_2A\_n66A  DC\_2A\_n71A |
| DC\_2A-66A\_n78A  DC\_2A-66A\_n78(2A) | DC\_2A\_n78A  DC\_66A\_n78A |
| DC\_2A\_n66A-n78A | DC\_2A\_n66A  DC\_2A\_n78A |
| DC\_2A-66A-66A\_n78A  DC\_2A-66A-66A\_n78(2A) | DC\_2A\_n78A  DC\_66A\_n78A |
| DC\_2A-71A\_n38A | DC\_71A\_n38A  DC\_2A\_n38A |
| DC\_2A-2A-71A\_n38A | DC\_71A\_n38A  DC\_2A\_n38A |
| DC\_2A-71A\_n66A | DC\_2A\_n66A  DC\_71A\_n66A |
| DC\_2A-2A-71A\_n66A | DC\_2A\_n66A  DC\_71A\_n66A |
| DC\_2A-71A\_n78A | DC\_71A\_n78A  DC\_2A\_n78A |
| DC\_2A-2A-71A\_n78A | DC\_71A\_n78A  DC\_2A\_n78A |
| DC\_2A-(n)71AA | DC\_2A\_n71A  DC\_(n)71AA |
| DC\_3A\_n1A-n7A | DC\_3A\_n1A  DC\_3A\_n7A |
| DC\_3C\_n1A-n7A | DC\_3A\_n1A  DC\_3A\_n7A  DC\_3C\_n1A  DC\_3C\_n7A |
| DC\_3A\_n1A-n28A | DC\_3A\_n1A  DC\_3A\_n28A |
| DC\_3C\_n1A-n28A | DC\_3A\_n1A  DC\_3A\_n28A  DC\_3C\_n1A  DC\_3C\_n28A |
| DC\_3A\_n1A-n77A | DC\_3A\_n1A  DC\_3A\_n77A |
| DC\_3A\_n1A-n78A  DC\_3C\_n1A-n78A | DC\_3A\_n1A  DC\_3A\_n78A |
| DC\_3A-3A\_n1A-n78A | DC\_3A\_n1A  DC\_3A\_n78A |
| DC\_3A\_n1A-n79A | DC\_3A\_n1A  DC\_3A\_n79A |
| DC\_3A\_n3A-n77A | DC\_3A\_n77A  DC\_3A\_n3A2 |
| DC\_3A\_n3A-n78A | DC\_3A\_n78A  DC\_3A\_n3A2 |
| DC\_3A-5A\_n78A5 | DC\_3A\_n78A  DC\_5A\_n78A |
| DC\_3A\_n5A-n78A  DC\_3C\_n5A-n78A | DC\_3A\_n5A  DC\_3A\_n78A  DC\_3C\_n5A  DC\_3C\_n78A |
| DC\_3A-5A\_n79A | DC\_3A\_n79A  DC\_5A\_n79A |
| DC\_3A-7A\_n1A  DC\_3A-7C\_n1A  DC\_3C-7A\_n1A  DC\_3C-7C\_n1A | DC\_3A\_n1A  DC\_3C\_n1A  DC\_7A\_n1A  DC\_7C\_n1A |
| DC\_3A-3A-7A\_n1A  DC\_3A-7A-7A\_n1A  DC\_3A-3A-7A-7A\_n1A | DC\_3A\_n1A  DC\_7A\_n1A |
| DC\_3A-7A\_n5A  DC\_3C-7A\_n5A  DC\_3A-7C\_n5A  DC\_3C-7C\_n5A | DC\_3A\_n5A  DC\_3C\_n5A  DC\_7A\_n5A  DC\_7C\_n5A |
| DC\_3A-7A\_n7A DC\_3C-7A\_n7A | DC\_3A\_n7A  DC\_3C\_n7A  DC\_7A\_n7A2 |
| DC\_3A-3A-7A\_n7A | DC\_3A\_n7A  DC\_7A\_n7A2 |
| DC\_3A-7A\_n8A | DC\_3A\_n8A  DC\_7A\_n8A |
| DC\_3A-7A\_n28A  DC\_3A-7C\_n28A  DC\_3C-7A\_n28A  DC\_3C-7C\_n28A | DC\_3A\_n28A  DC\_3C\_n28A  DC\_7A\_n28A  DC\_7C\_n28A |
| DC\_3A-7A\_n40A | DC\_3A\_n40A  DC\_7A\_n40A |
| DC\_3A-7A\_n77A | DC\_3A\_n77A  DC\_7A\_n77A |
| DC\_3A-3A-7A\_n77A  DC\_3A-7A-7A\_n77A  DC\_3A-3A-7A-7A\_n77A | DC\_3A\_n77A  DC\_7A\_n77A |
| DC\_3A-7A\_n78A5  DC\_3C-7A\_n78A5  DC\_3A-7C\_n78A5  DC\_3C-7C\_n78A5 | DC\_3A\_n78A  DC\_3C\_n78A  DC\_7A\_n78A  DC\_7C\_n78A |
| DC\_3A-7A\_n78(2A)5  DC\_3C-7A\_n78(2A)5  DC\_3A-7C\_n78(2A)5  DC\_3C-7C\_n78(2A)5 | DC\_3A\_n78A  DC\_7A\_n78A  DC\_3C\_n78A  DC\_7C\_n78A |
| DC\_3A-3A-7A\_n78A  DC\_3A-7A-7A\_n78A5  DC\_3A-3A-7A-7A\_n78A | DC\_3A\_n78A  DC\_7A\_n78A |
| DC\_3A\_n7A-n78A  DC\_3A\_n7B-n78A  DC\_3C\_n7A-n78A  DC\_3C\_n7B-n78A | DC\_3A\_n7A  DC\_3C\_n7A  DC\_3A\_n78A |
| DC\_3A-8A\_n1A  DC\_3C-8A\_n1A | DC\_3A\_n1A  DC\_8A\_n1A |
| DC\_3A-3A-8A\_n1A | DC\_3A\_n1A  DC\_8A\_n1A |
| DC\_3A-8A\_n28A | DC\_3A\_n28A  DC\_8A\_n28A |
| DC\_3A-8A\_n77A | DC\_3A\_n77A  DC\_8A\_n77A |
| DC\_3A-8A\_n77(2A) | DC\_3A\_n77A  DC\_8A\_n77A |
| DC\_3A-8A\_n78A  DC\_3C-8A\_n78A | DC\_3A\_n78A  DC\_8A\_n78A |
| DC\_3A-3A-8A\_n78A | DC\_3A\_n78A  DC\_8A\_n78A |
| DC\_3A-8A\_n79A | DC\_3A\_n79A  DC\_8A\_n79A |
| DC\_3A-18A\_n77A | DC\_3A\_n77A  DC\_18A\_n77A |
| DC\_3A-18A\_n78A | DC\_3A\_n78A  DC\_18A\_n78A |
| DC\_3A-18A\_n79A | DC\_3A\_n79A  DC\_18A\_n79A |
| DC\_3A-19A\_n77A5  DC\_3A-19A\_n77C5 | DC\_3A\_n77A  DC\_19A\_n77A |
| DC\_3A-19A\_n78A5  DC\_3A-19A\_n78C5 | DC\_3A\_n78A  DC\_19A\_n78A |
| DC\_3A-19A\_n79A5  DC\_3A-19A\_n79C5 | DC\_3A\_n79A  DC\_19A\_n79A |
| DC\_3A-20A\_n1A  DC\_3C-20A\_n1A | DC\_3A\_n1A  DC\_3C\_n1A  DC\_20A\_n1A |
| DC\_3A-20A\_n7A  DC\_3C-20A\_n7A | DC\_3A\_n7A  DC\_3C\_n7A  DC\_20A\_n7A |
| DC\_3A-20A\_n8A | DC\_3A\_n8A  DC\_20A\_n8A |
| DC\_3A-20A\_n28A5,6  DC\_3C-20A\_n28A | DC\_3A\_n28A  DC\_3C\_n28A  DC\_20A\_n28A |
| DC\_3A-20A\_n41A | DC\_3A\_n41A  DC\_20A\_n41A |
| DC\_3C-20A\_n41A | DC\_3C\_n41A  DC\_20A\_n41A |
| DC\_3A-20A\_n38A | DC\_3A\_n38A  DC\_20A\_n38A |
| DC\_3A-20A\_n78A5  DC\_3C-20A\_n78A5 | DC\_3A\_n78A  DC\_20A\_n78A |
| DC\_3A-21A\_n77A5  DC\_3A-21A\_n77C5 | DC\_3A\_n77A  DC\_21A\_n77A |
| DC\_3A-21A\_n78A5  DC\_3A-21A\_n78C5 | DC\_3A\_n78A  DC\_21A\_n78A |
| DC\_3A-21A\_n79A5  DC\_3A-21A\_n79C5 | DC\_3A\_n79A  DC\_21A\_n79A |
| DC\_3A-28A\_n5A  DC\_3C-28A\_n5A | DC\_3A\_n5A  DC\_3C\_n5A  DC\_28A\_n5A |
| DC\_3A-28A\_n7A  DC\_3C-28A\_n7A  DC\_3A-28A\_n7B  DC\_3C-28A\_n7B | DC\_3A\_n7A  DC\_3C\_n7A  DC\_28A\_n7A  DC\_3A\_n7B  DC\_3C\_n7B  DC\_28A\_n7B |
| DC\_3A-28A\_n40A | DC\_3A\_n40A DC\_28A\_n40A |
| DC\_3A-3A-28A\_n7A DC\_3A-3A-28A\_n7B | DC\_3A\_n7A  DC\_28A\_n7A  DC\_3A\_n7B  DC\_28A\_n7B |
| DC\_3A-28A\_n41A | DC\_3A\_n41  DC\_28A\_n41 |
| DC\_3A-28A\_n77A  DC\_3A-28A\_n77C | DC\_3A\_n77A  DC\_28A\_n77A |
| DC\_3A-28A\_n77(2A) | DC\_3A\_n77A  DC\_28A\_n77A |
| DC\_3A-28A\_n78A5  DC\_3C-28A\_n78A  DC\_3A-28A\_n78C5 | DC\_3A\_n78A  DC\_28A\_n78A |
| DC\_3A-3A-28A\_n78A | DC\_3A\_n78A  DC\_28A\_n78A |
| DC\_3A\_n28A-n78A5  DC\_3C\_n28A-n78A | DC\_3A\_n28A  DC\_3A\_n78A  DC\_3C\_n28A |
| DC\_3A-28A\_n79A  DC\_3A-28A\_n79C | DC\_3A\_n79A  DC\_28A\_n79A |
| DC\_3A-32A\_n78A  DC\_3A-32A\_n78(2A) | DC\_3A\_n78A |
| DC\_3A-38A\_n78A | DC\_3A\_n78A |
| DC\_3A-40A\_n1A | DC\_3A\_n1A  DC\_40A\_n1A |
| DC\_3A\_n40A-n41A | DC\_3A\_n40A  DC\_3A\_n41A |
| DC\_3A\_n40A-n78A | DC\_3A\_n40A  DC\_3A\_n78A |
| DC\_3A-41A\_n28A | DC\_3A\_n28A  DC\_41A\_n28A |
| DC\_3A-41C\_n28A | DC\_3A\_n28A  DC\_41A\_n28A  DC\_41C\_n28A |
| DC\_3A-41A\_n41A  DC\_3A-41C\_n41A  DC\_3A-41D\_n41A | DC\_3A\_n41A |
| DC\_3A-(n)41AA  DC\_3A-(n)41CA  DC\_3A-(n)41DA | DC\_3A\_n41A |
| DC\_3A-41A\_n77A  DC\_3A-41C\_n77A | DC\_3A\_n77A  DC\_41A\_n77A |
| DC\_3A-41A\_n77(2A)  DC\_3A-41C\_n77(2A) | DC\_3A\_n77A  DC\_41A\_n77A  DC\_41C\_n77A |
| DC\_3A-41A\_n78A  DC\_3A-41C\_n78A | DC\_3A\_n78A  DC\_41A\_n78A  DC\_41C\_n78A |
| DC\_3A-41A\_n78(2A)  DC\_3A-41C\_n78(2A) | DC\_3A\_n78A  DC\_41A\_n78A  DC\_41C\_n78A |
| DC\_3A-42A\_n28A | DC\_3A\_n28A  DC\_42A\_n28A |
| DC\_3A-42C\_n28A | DC\_3A\_n28A  DC\_42A\_n28A  DC\_42C\_n28A |
| DC\_3A-41A\_n79A  DC\_3A-41C\_n79A | DC\_3A\_n79A  DC\_41A\_n79A |
| DC\_3A\_SUL\_n41A-n80A  DC\_3C\_SUL\_n41A-n80A | DC\_3A\_n41A  DC\_3C\_n41A  DC\_3A\_n80A\_ULSUP-TDM\_n41A  DC\_3C\_n80A\_ULSUP-TDM\_n41A |
| DC\_3A-42A\_n77A  DC\_3A-42A\_n77C  DC\_3A-42C\_n77A  DC\_3A-42C\_n77C  DC\_3A-42D\_n77A  DC\_3A-42D\_n77C  DC\_3A-42E\_n77A  DC\_3A-42E\_n77C | DC\_3A\_n77A |
| DC\_3A-42A\_n77(2A)  DC\_3A-42C\_n77(2A) | DC\_3A\_n77A |
| DC\_3A-42A\_n78A  DC\_3A-42A\_n78C  DC\_3A-42C\_n78A  DC\_3A-42C\_n78C  DC\_3A-42D\_n78A  DC\_3A-42D\_n78C  DC\_3A-42E\_n78A  DC\_3A-42E\_n78C | DC\_3A\_n78A |
| DC\_3A-42A\_n79A  DC\_3A-42A\_n79C  DC\_3A-42C\_n79A  DC\_3A-42C\_n79C  DC\_3A-42D\_n79A  DC\_3A-42D\_n79C  DC\_3A-42E\_n79A  DC\_3A-42E\_n79C | DC\_3A\_n79A |
| DC\_3A\_n77A-n79A | DC\_3A\_n77A  DC\_3A\_n79A |
| DC\_3A\_n78A-n79A | DC\_3A\_n78A  DC\_3A\_n79A |
| DC\_3A\_SUL\_n77A-n80A | DC\_3A\_n77A  DC\_3A\_n80A\_ULSUP-TDM\_n77A |
| DC\_3A\_SUL\_n77A-n84A | DC\_3A\_n77A  DC\_3A\_n84A |
| DC\_3A\_SUL\_n78A-n80A5  DC\_3C\_SUL\_n78A-n80A | DC\_3A\_n78A  DC\_3A\_n80A\_ULSUP-TDM\_n78A |
| DC\_3A\_SUL\_n78A-n82A5 | DC\_3A\_n78A  DC\_3A\_n82A |
| DC\_3A\_SUL\_n78A-n84A | DC\_3A\_n78A  DC\_3A\_n84A |
| DC\_3A\_SUL\_n79A-n80A5 | DC\_3A\_n79A,  DC\_3A\_n80A\_ULSUP-TDM\_n79A, |
| DC\_5A-7A\_n71A | DC\_5A\_n71A  DC\_7A\_n71A |
| DC\_5A-7A\_n78A | DC\_5A\_n78A  DC\_7A\_n78A |
| DC\_5A\_n7A-n78A | DC\_5A\_n7A  DC\_5A\_n78A |
| DC\_5A-7A-7A\_n78A | DC\_5A\_n78A  DC\_7A\_n78A |
| DC\_5A\_(n)12AA | DC\_5A\_n12A  DC\_(n)12AA2 |
| DC\_5A-30A\_n66A | DC\_5A\_n66A  DC\_30A\_n66A |
| DC\_5A-41A\_n79A | DC\_5A\_n79A  DC\_41A\_n79A |
| DC\_5A-66A\_n2A  DC\_5B-66A\_n2A | DC\_5A\_n2A |
| DC\_5A-5A-66A\_n2A  DC\_5A-66A-66A\_n2A  DC\_5B-66A-66A\_n2A  DC\_5A-5A-66A-66A\_n2A | DC\_5A\_n2A |
| DC\_5A-66A\_n5A | DC\_66A\_n5A |
| DC\_5A-66A-66A\_n5A | DC\_66A\_n5A |
| DC\_5A-66A\_n66A | DC\_5A\_n66A |
| DC\_5A-5A-66A\_n66A  DC\_5B-66A\_n66A | DC\_5A\_n66A |
| DC\_5A-5A-66A-66A\_n66A  DC\_5A-66A-66A\_n66A  DC\_5B-66A-66A\_n66A | DC\_5A\_n66A |
| DC\_5A-66A\_n71A | DC\_5A\_n71A  DC\_66A\_n71A |
| DC\_5A-66A\_n78A  DC\_5A-66A\_n78(2A) | DC\_5A\_n78A  DC\_66A\_n78A |
| DC\_5A-13A\_n2A | DC\_5A\_n2A  DC\_13A\_n2A |
| DC\_7A\_n1A-n78A  DC\_7C\_n1A-n78A | DC\_7A\_n1A  DC\_7A\_n78A  DC\_7C\_n1A  DC\_7C\_n78A |
| DC\_7A-7A\_n1A-n78A | DC\_7A\_n1A  DC\_7A\_n78A |
| DC\_7A\_n3A-n78A  DC\_7C\_n3A-n78A | DC\_7A\_n3A  DC\_7A\_n78A  DC\_7C\_n3A  DC\_7C\_n78A |
| DC\_7A\_n5A-n78A  DC\_7C\_n5A-n78A | DC\_7A\_n5A  DC\_7C\_n5A  C\_7A\_n78A  DC\_7C\_n78A |
| DC\_7A\_n7A-n78A | DC\_7A\_n78A  DC\_7A\_n7A2 |
| DC\_7A\_n7A-n78(2A) | DC\_7A\_n78A  DC\_7A\_n7A2 |
| DC\_7A-8A\_n1A | DC\_7A\_n1A, DC\_8A\_n1A |
| DC\_7A-7A-8A\_n1A | DC\_7A\_n1A  DC\_8A\_n1A |
| DC\_7A-8A\_n3A | DC\_7A\_n3A  DC\_8A\_n3A |
| DC\_7A-8A\_n77A | DC\_7A\_n77A, DC\_8A\_n77A |
| DC\_7A-8A\_n78A | DC\_7A\_n78A, DC\_8A\_n78A |
| DC\_7A-7A-8A\_n78A | DC\_7A\_n78A  DC\_8A\_n78A |
| DC\_7A-13A\_n66A  DC\_7A-7A-13A\_n66A  DC\_7C-13A\_n66A | DC\_7A\_n66A  DC\_13A\_n66A |
| DC\_7A-20A\_n1A  DC\_7C-20A\_n1A | DC\_7A\_n1A  DC\_7C\_n1A  DC\_20A\_n1A |
| DC\_7A-20A\_n3A  DC\_7C-20A\_n3A | DC\_7A\_n3A  DC\_7C\_n3A  DC\_20A\_n3A |
| DC\_7A-20A\_n8A | DC\_7A\_n8A  DC\_20A\_n8A |
| DC\_7A-20A\_n28A6 | DC\_7A\_n28A  DC\_20A\_n28A |
| DC\_7A-20A\_n78A5 | DC\_7A\_n78A  DC\_20A\_n78A |
| DC\_7A-28A\_n3A  DC\_7C-28A\_n3A | DC\_7A\_n3A  DC\_7C\_n3A  DC\_28A\_n3A |
| DC\_7A-28A\_n5A6 DC\_7C-28A\_n5A6 | DC\_7A\_n5A  DC\_7C\_n5A  DC\_28A\_n5A |
| DC\_7A-28A\_n7A | DC\_7A\_n7A2  DC\_28A\_n7A |
| DC\_7A-28A\_n40A | DC\_7A\_n40A  DC\_28A\_n40A |
| DC\_7A-28A\_n78A5  DC\_7C-28A\_n78A5 | DC\_7A\_n78A  DC\_7C\_n78A  DC\_28A\_n78A |
| DC\_7A\_n28A-n78A5  DC\_7C\_n28A-n78A | DC\_7A\_n28A  DC\_7A\_n78A  DC\_7C\_n28A  DC\_7C\_n78A |
| DC\_7A-40A\_n1A | DC\_7A\_n1A  DC\_40A\_n1A |
| DC\_7A-46A\_n78A3  DC\_7A-46C\_n78A3  DC\_7A-46D\_n78A3  DC\_7A-46E\_n78A3 | DC\_7A\_n78A |
| DC\_7A-66A\_n38A | 66A9 |
| DC\_7A-66A\_n66A  DC\_7C-66A\_n66A | DC\_7A\_n66A  DC\_66A\_n66A2 |
| DC\_7A-7A-66A\_n66A | DC\_7A\_n66A  DC\_66A\_n66A2 |
| DC\_7A-66A\_n71A | DC\_7A\_n71A  DC\_66A\_n71A |
| DC\_7A-66A-66A\_n71A | DC\_7A\_n71A  DC\_66A\_n71A |
| DC\_7A\_n66A-n78A  DC\_7A-7A\_n66A-n78A | DC\_7A\_n66A  DC\_7A\_n78A |
| DC\_7A-66A\_n78A  DC\_7C-66A\_n78A  DC\_7A-66A\_n78(2A)  DC\_7C-66A\_n78(2A) | DC\_7A\_n78A  DC\_7C\_n78A  DC\_66A\_n78A |
| DC\_7A-7A-66A\_n78A  DC\_7A-7A-66A\_n78(2A) | DC\_7A\_n78A  DC\_66A\_n78A |
| DC\_7A-7A-66A-66A\_n78A  DC\_7A-7A-66A-66A\_n78(2A) | DC\_7A\_n78A  DC\_66A\_n78A |
| DC\_7A-66A-66A\_n78A  DC\_7C-66A-66A\_n78A  DC\_7A-66A-66A\_n78(2A)  DC\_7C-66A-66A\_n78(2A) | DC\_7A\_n78A  DC\_66A\_n78A |
| DC\_7A\_SUL\_n78A-n80A | DC\_7A\_n78A  DC\_7A\_n80A |
| DC\_8A\_n1A-n78A | DC\_8A\_n1A  DC\_8A\_n78A |
| DC\_8A\_n3A-n28A | DC\_8A\_n3A  DC\_8A\_n28A |
| DC\_8A-11A\_n3A | DC\_8A\_n3A  DC\_11A\_n3A |
| DC\_8A-11A\_n77A | DC\_8A\_n77A  DC\_11A\_n77A |
| DC\_8A-11A\_n77(2A) | DC\_8A\_n77A  DC\_11A\_n77A |
| DC\_8A-11A\_n78A | DC\_8A\_n78A  DC\_11A\_n78A |
| DC\_8A-20A\_n78A | DC\_8A\_n78A  DC\_20A\_n78A |
| DC\_8A-42A\_n28A | DC\_8A\_n28A  DC\_42A\_n28A |
| DC\_8A-42C\_n28A | DC\_8A\_n28A  DC\_42A\_n28A  DC\_42C\_n28A |
| DC\_8A-42A\_n77A  DC\_8A-42C\_n77A | DC\_8A\_n77A |
| DC\_8A-42A\_n77(2A)  DC\_8A-42C\_n77(2A) | DC\_8A\_n77A |
| DC\_8A\_SUL\_n41A-n81A | DC\_8A\_41A,  DC\_8A\_n81A\_ULSUP-TDM\_n41A,  DC\_8A\_n81A\_ULSUP-FDM |
| DC\_8A\_SUL\_n78A-n80A | DC\_8A\_n78A  DC\_8A\_n80A |
| DC\_8A\_SUL\_n78A-n81A5 | DC\_8A\_n78A,  DC\_8A\_n81A\_ULSUP-TDM\_n78A,  DC\_8A\_n81A\_ULSUP-FDM\_n78A |
| DC\_8A\_SUL\_n79A-n81A5 | DC\_8A\_n79A,  DC\_8A\_n81A\_ULSUP-TDM\_n79A,  DC\_8A\_n81A\_ULSUP-FDM\_n79A |
| DC\_11A-18A\_n77A | DC\_11A\_n77A  DC\_18A\_n77A |
| DC\_11A-18A\_n78A | DC\_11A\_n78A  DC\_18A\_n78A |
| DC\_12A\_(n)5AA | DC\_12A\_n5A  DC\_(n)5AA2 |
| DC\_12A\_n7A-n78A | DC\_12A\_n7A  DC\_12A\_n78A |
| DC\_12A-30A\_n2A | DC\_12A\_n2A  DC\_30A\_n2A |
| DC\_12A-30A\_n66A | DC\_12A\_n66A  DC\_30A\_n66A |
| DC\_12A-66A\_n2A | DC\_12A\_n2A  DC\_66A\_n2A |
| DC\_12A-66A-66A\_n2A | DC\_12A\_n2A  DC\_66A\_n2A |
| DC\_12A-66A\_n25A | DC\_12A\_n25A  DC\_66A\_n25A |
| DC\_12A-66A\_n66A | DC\_12A\_n66A  DC\_66A\_n66A2 |
| DC\_13A-46A\_n5A | DC\_13A\_n5A |
| DC\_13A-66A\_n2A | DC\_13A\_n2A  DC\_66A\_n2A |
| DC\_13A-66A-66A\_n2A | DC\_13A\_n2A  DC\_66A\_n2A |
| DC\_13A-66A\_n48A  DC\_13A-66A\_n48B | DC\_13A\_n48A  DC\_66A\_n48A |
| DC\_13A-66A-66A\_n48A  DC\_13A-66A-66A\_n48B | DC\_13A\_n48A  DC\_66A\_n48A |
| DC\_13A-66A\_n66A | DC\_13A\_n66A |
| DC\_13A-66A-66A\_n66A | DC\_13A\_n66A |
| DC\_18A\_n3A-n78A | DC\_18A\_n3A  DC\_18A\_n78A |
| DC\_13A-48A\_n2A  DC\_13A-48B\_n2A  DC\_13A-48D\_n2A  DC\_13A-48E\_n2A | DC\_13A\_n2A |
| DC\_13A-48A\_n66A  DC\_13A-48B\_n66A  DC\_13A-48D\_n66A  DC\_13A-48E\_n66A | DC\_13A\_n66A |
| DC\_14A-66A\_n2A | DC\_14A\_n2A DC\_66A\_n2A |
| DC\_14A-66A-66A\_n2A | DC\_14A\_n2A DC\_66A\_n2A |
| DC\_14A-66A\_n66A | DC\_14A\_n66A  DC\_66A\_n66A2 |
| DC\_18A-28A\_n77A5 | DC\_18A\_n77A  DC\_28A\_n77A |
| DC\_18A-28A\_n78A5 | DC\_18A\_n78A  DC\_28A\_n78A |
| DC\_18A-28A\_n79A5 | DC\_18A\_n79A  DC\_28A\_n79A |
| DC\_18A-41A\_n3A  DC\_18A-41C\_n3A | DC\_18A\_n3A  DC\_41A\_n3A  DC\_41C\_n3A |
| DC\_18A-41A\_n77A  DC\_18A-41C\_n77A | DC\_18A\_n77A  DC\_41A\_n77A  DC\_41C\_n77A |
| DC\_18A-41A\_n78A  DC\_18A-41C\_n78A | DC\_18A\_n78A  DC\_41A\_n78A  DC\_41C\_n78A |
| DC\_18A-42A\_n77A  DC\_18A-42C\_n77A | DC\_18A\_n77A |
| DC\_18A-42A\_n78A  DC\_18A-42C\_n78A | DC\_18A\_n78A |
| DC\_18A-42A\_n79A  DC\_18A-42C\_n79A | DC\_18A\_n79A |
| DC\_19A-21A\_n78A5  DC\_19A-21A\_n78C5 | DC\_19A\_n78A  DC\_21A\_n78A |
| DC\_19A-21A\_n79A5  DC\_19A-21A\_n79C5 | DC\_19A\_n79A  DC\_21A\_n79A |
| DC\_19A-21A\_n77A5  DC\_19A-21A\_n77C5 | DC\_19A\_n77A  DC\_21A\_n77A |
| DC\_19A-42A\_n77A  DC\_19A-42A\_n77C  DC\_19A-42C\_n77A  DC\_19A-42C\_n77C  DC\_19A-42D\_n77A  DC\_19A-42D\_n77C | DC\_19A\_n77A |
| DC\_19A-42A\_n78A  DC\_19A-42A\_n78C  DC\_19A-42C\_n78A  DC\_19A-42C\_n78C  DC\_19A-42D\_n78A  DC\_19A-42D\_n78C | DC\_19A\_n78A |
| DC\_19A-42A\_n79A  DC\_19A-42A\_n79C  DC\_19A-42C\_n79A  DC\_19A-42C\_n79C  DC\_19A-42D\_n79A  DC\_19A-42D\_n79C | DC\_19A\_n79A |
| DC\_19A\_n77A-n79A | DC\_19A\_n77A  DC\_19A\_n79A |
| DC\_19A\_n78A-n79A | DC\_19A\_n78A  DC\_19A\_n79A |
| DC\_20A\_n1A-n28A | DC\_20A\_n1A  DC\_20A\_n28A |
| DC\_20A\_n1A-n78A | DC\_20A\_n1A  DC\_20A\_n78A |
| DC\_20A\_n3A-n78A | DC\_20A\_n3A  DC\_20A\_n78A |
| DC\_20A\_n8A-n75A6 | DC\_20A\_n8A |
| DC\_20A\_n28A-n75A6 | DC\_20A\_n28A |
| DC\_20A\_n28A-n78A5,6 | DC\_20A\_n28A  DC\_20A\_n78A |
| DC\_20A-32A\_n78A  DC\_20A-32A\_n78(2A) | DC\_20A\_n78A |
| DC\_20A-(n)38AA | DC\_20A\_n38A |
| DC\_20A-38A\_n78A | DC\_20A\_n78A  DC\_38A\_n78A |
| DC\_20A-(n)41AA  DC\_20A-(n)41CA  DC\_20A-(n)41DA | DC\_20A\_n41A |
| DC\_20A\_n75A-n78A5 | DC\_20A\_n78A |
| DC\_20A\_n76A-n78A5 | DC\_20A\_n78A |
| DC\_20A\_SUL\_n78A-n80A | DC\_20A\_n78A  DC\_20A\_n80A |
| DC\_20A\_SUL\_n78A-n82A5 | DC\_20A\_n78A  DC\_20A\_n82A\_ULSUP-TDM\_n78A |
| DC\_20A\_SUL\_n78A-n83A5 | DC\_20A\_n78A  DC\_20A\_n83A |
| DC\_21A-28A\_n77A  DC\_21A-28A\_n77C | DC\_21A\_n77A  DC\_28A\_n77A |
| DC\_21A-28A\_n78A  DC\_21A-28A\_n78C | DC\_21A\_n78A  DC\_28A\_n78A |
| DC\_21A-28A\_n79A  DC\_21A-28A\_n79C | DC\_21A\_n79A  DC\_28A\_n79A |
| DC\_21A-42A\_n77A  DC\_21A-42A\_n77C  DC\_21A-42C\_n77A  DC\_21A-42C\_n77C  DC\_21A-42D\_n77A  DC\_21A-42D\_n77C  DC\_21A-42E\_n77A  DC\_21A-42E\_n77C | DC\_21A\_n77A |
| DC\_21A-42A\_n78A  DC\_21A-42A\_n78C  DC\_21A-42C\_n78A  DC\_21A-42C\_n78C  DC\_21A-42D\_n78A  DC\_21A-42D\_n78C  DC\_21A-42E\_n78A  DC\_21A-42E\_n78C | DC\_21A\_n78A |
| DC\_21A-42A\_n79A  DC\_21A-42A\_n79C  DC\_21A-42C\_n79A  DC\_21A-42C\_n79C  DC\_21A-42D\_n79A  DC\_21A-42D\_n79C  DC\_21A-42E\_n79A  DC\_21A-42E\_n79C | DC\_21A\_n79A |
| DC\_21A\_n77A-n79A | DC\_21A\_n77A  DC\_21A\_n79A |
| DC\_21A\_n78A-n79A | DC\_21A\_n78A  DC\_21A\_n79A |
| DC\_25A-41A\_n41A  DC\_25A-41C\_n41A  DC\_25A-41D\_n41A  DC\_25A-25A-41A\_n41A  DC\_25A-25A-41C\_n41A  DC\_25A-25A-41D\_n41A | DC\_25A\_n41A  DC\_41A\_n41A |
| DC\_25A-(n)41AA  DC\_25A-25A-(n)41AA | DC\_25A\_n41A  DC\_(n)41AA |
| DC\_25A-(n)41CA  DC\_25A-(n)41DA  DC\_25A-25A-(n)41CA  DC\_25A-25A-(n)41DA | DC\_25A\_n41A  DC\_(n)41AA  DC\_41A\_n41A |
| DC\_28A-41A\_n77A  DC\_28A-41C\_n77A | DC\_28A\_n77A  DC\_41A\_n77A |
| DC\_28A-41A\_n78A  DC\_28A-41C\_n78A | DC\_28A\_n78A  DC\_41A\_n78A |
| DC\_28A-41A\_n79A  DC\_28A-41C\_n79A | DC\_28A\_n79A  DC\_41A\_n79A |
| DC\_28A\_n3A-n78A | DC\_28A\_n3A  DC\_28A\_n78A |
| DC\_28A\_n5A-n78A | DC\_28A\_n5A DC\_28A\_n78A |
| DC\_28A\_n7A-n78A | DC\_28A\_n7A  DC\_28A\_n78A |
| DC\_28A\_n7B-n78A | DC\_28A\_n7A  DC\_28A\_n7B  DC\_28A\_n78A |
| DC\_28A\_n8A-n78A | DC\_28A\_n8A  DC\_28A\_n78A |
| DC\_28A-42A\_n77A  DC\_28A-42A\_n77C  DC\_28A-42C\_n77A | DC\_28A\_n77A |
| DC\_28A-42A\_n78A  DC\_28A-42A\_n78C  DC\_28A-42C\_n78A | DC\_28A\_n78A |
| DC\_28A-42A\_n79A  DC\_28A-42A\_n79C  DC\_28A-42C\_n79A | DC\_28A\_n79A |
| DC\_28A\_SUL\_n78A-n83A5 | DC\_28A\_n78A  DC\_28A\_n83A\_ULSUP-TDM\_n78A |
| DC\_29A-66A\_n2A | DC\_66A\_n2A |
| DC\_29A-66A-66A\_n2A | DC\_66A\_n2A |
| DC\_30A-66A\_n2A | DC\_30A\_n2A  DC\_66A\_n2A |
| DC\_30A-66A-66A\_n2A | DC\_30A\_n2A  DC\_66A\_n2A |
| DC\_30A-66A\_n5A | DC\_30A\_n5A  DC\_66A\_n5A |
| DC\_30A-66A-66A\_n5A  DC\_30A-66A-66A-66A\_n5A | DC\_30A\_n5A  DC\_66A\_n5A |
| DC\_40A\_n41A-n79A | DC\_40A\_n41A  DC\_40A\_n79A |
| DC\_41A-42A\_n77A  DC\_41A-42C\_n77A  DC\_41C-42A\_n77A  DC\_41C-42C\_n77A | DC\_41A\_n77A |
| DC\_41A-42A\_n78A DC\_41A-42C\_n78A  DC\_41C-42A\_n78A  DC\_41C-42C\_n78A | DC\_41A\_n78A |
| DC\_41A-42A\_n79A  DC\_41A-42C\_n79A  DC\_41C-42A\_n79A  DC\_41C-42C\_n79A | DC\_41A\_n79A |
| DC\_46A-66A\_n5A  DC\_46C-66A\_n5A  DC\_46D-66A\_n5A  DC\_46E-66A\_n5A | DC\_66A\_n5A |
| DC\_46A-66A\_n25A  DC\_46C-66A\_n25A  DC\_46D-66A\_n25A | DC\_66A\_n25A |
| DC\_46A-66A\_n41A  DC\_46C-66A\_n41A  DC\_46D-66A\_n41A | DC\_66A\_n41A |
| DC\_46A-66A\_n41(2A)  DC\_46C-66A\_n41(2A)  DC\_46D-66A\_n41(2A) | DC\_66A\_n41A |
| DC\_46A-66A\_n71A  DC\_46C-66A\_n71A  DC\_46D-66A\_n71A | DC\_66A\_n71A |
| DC\_48A\_(n)5AA | DC\_48A\_n5A  DC\_(n)5AA2 |
| DC\_48A\_(n)12AA | DC\_48A\_n12A  DC\_(n)12AA2 |
| DC\_48A-66A\_n5A  DC\_48B-66A\_n5A  DC\_48D-66A\_n5A  DC\_48E-66A\_n5A | DC\_66A\_n5A |
| DC\_48A-66A\_n12A | DC\_48A\_n12A  DC\_66A\_n12A |
| DC\_48A-66A\_n71A | DC\_48A\_n71A  DC\_66A\_n71A |
| DC\_66A\_n7A-n78A | DC\_66A\_n7A  DC\_66A\_n78A |
| DC\_66A\_n25A-n71A | DC\_66A\_n25A  DC\_66A\_n71A |
| DC\_66A\_n66A-n78A | DC\_66A\_n66A2  DC\_66A\_n78A |
| DC\_66A\_(n)12AA | DC\_66A\_n12A  DC\_(n)12AA2 |
| DC\_66A-(n)71AA  DC\_66C-(n)71AA | DC\_66A\_n71A  DC\_(n)71AA |
| DC\_66A\_n25A-n41A  DC\_66A\_n25A-n41C | DC\_66A\_n25A  DC\_66A\_n41A |
| DC\_66A\_n25A-n41(2A) | DC\_66A\_n25A  DC\_66A\_n41A |
| DC\_66A\_n41A-n71A  DC\_66A\_n41C-n71A | DC\_66A\_n41A  DC\_66A\_n71A |
| DC\_66A\_n41(2A)-n71A | DC\_66A\_n41A  DC\_66A\_n71A |
| DC\_66A-71A\_n38A | DC\_71A\_n38A  DC\_66A\_n38A |
| DC\_66A-71A\_n66A | DC\_71A\_n66A  DC\_66A\_n66A2 |
| DC\_66A-71A\_n78A | DC\_71A\_n78A  DC\_66A\_n78A |
| DC\_66A\_SUL\_n78A-n86A5  DC\_66A\_n78(2A)\_SUL\_n78A-n86A5 | DC\_66A\_n78A  DC\_66A\_n86A\_ULSUP-TDM\_n78A |
| NOTE 1: Uplink EN-DC configurations are the configurations supported by the present release of specifications.  NOTE 2: Only single switched UL is supported  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.  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.  NOTE 5: Applicable for UE supporting inter-band EN-DC with mandatory simultaneous Rx/Tx capability  NOTE 6: 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 7: Void.  NOTE 8: UL carrier shall be supported in Band 2 only. Power imbalance between downlink carriers on Band 7 and Band 38 is assumed to be within [6dB].  NOTE 9: UL carrier shall be supported in Band 66 only. Power imbalance between downlink carriers on Band 7 and Band 38 is assumed to be within [6dB]. | |

###### *------------------------------ Modified section ------------------------------*

#### 5.5B.5.2 Inter-band EN-DC configurations including FR2 (three bands)

Table 5.5B.5.2-1: Inter-band EN-DC configurations including FR2 (three bands)

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) |
| --- | --- |
| DC\_1A-3A\_n257A2  DC\_1A-3A\_n257D2  DC\_1A-3A\_n257E2  DC\_1A-3A\_n257F2  DC\_1A-3A\_n257G  DC\_1A-3A\_n257H  DC\_1A-3A\_n257I  DC\_1A-3A\_n257J  DC\_1A-3A\_n257K  DC\_1A-3A\_n257L  DC\_1A-3A\_n257M  DC\_1A-3C\_n257A  DC\_1A-3C\_n257D  DC\_1A-3C\_n257E  DC\_1A-3C\_n257F  DC\_1A-3C\_n257G  DC\_1A-3C\_n257H  DC\_1A-3C\_n257I  DC\_1A-3C\_n257J  DC\_1A-3C\_n257K  DC\_1A-3C\_n257L  DC\_1A-3C\_n257M | DC\_1A\_n257A  DC\_1A\_n257D  DC\_1A\_n257G  DC\_1A\_n257H  DC\_1A\_n257IDC\_3A\_n257A  DC\_3A\_n257D  DC\_3A\_n257G  DC\_3A\_n257H  DC\_3A\_n257I  DC\_3A\_n257J  DC\_3A\_n257K  DC\_3A\_n257L  DC\_3A\_n257M |
| DC\_1A-5A\_n257A2  DC\_1A-5A\_n257D  DC\_1A-5A\_n257E  DC\_1A-5A\_n257F  DC\_1A-5A\_n257G  DC\_1A-5A\_n257H  DC\_1A-5A\_n257I  DC\_1A-5A\_n257J  DC\_1A-5A\_n257K  DC\_1A-5A\_n257L  DC\_1A-5A\_n257M | DC\_1A\_n257A  DC\_5A\_n257A |
| DC\_1A-7A\_n257A2  DC\_1A-7A\_n257D  DC\_1A-7A\_n257E  DC\_1A-7A\_n257F  DC\_1A-7A\_n257G  DC\_1A-7A\_n257H  DC\_1A-7A\_n257I  DC\_1A-7A\_n257J  DC\_1A-7A\_n257K  DC\_1A-7A\_n257L  DC\_1A-7A\_n257M | DC\_1A\_n257A  DC\_7A\_n257A |
| DC\_1A-7A-7A\_n257A2  DC\_1A-7A-7A\_n257D  DC\_1A-7A-7A\_n257E  DC\_1A-7A-7A\_n257F  DC\_1A-7A-7A\_n257G  DC\_1A-7A-7A\_n257H  DC\_1A-7A-7A\_n257I  DC\_1A-7A-7A\_n257J  DC\_1A-7A-7A\_n257K  DC\_1A-7A-7A\_n257L  DC\_1A-7A-7A\_n257M | DC\_1A\_n257A  DC\_7A\_n257A  DC\_7A-7A\_n257A |
| DC\_1A-8A\_n257A2  DC\_1A-8A\_n257D  DC\_1A-8A\_n257E  DC\_1A-8A\_n257F  DC\_1A-8A\_n257G  DC\_1A-8A\_n257H  DC\_1A-8A\_n257I  DC\_1A-8A\_n257J  DC\_1A-8A\_n257K  DC\_1A-8A\_n257L  DC\_1A-8A\_n257M | DC\_1A\_n257A  DC\_8A\_n257A |
| DC\_1A-11A\_n257A  DC\_1A-11A\_n257D  DC\_1A-11A\_n257G  DC\_1A-11A\_n257H  DC\_1A-11A\_n257I | DC\_1A\_n257A  DC\_1A-257G  DC\_1A-257H  DC\_1A-257I  DC\_11A\_n257A  DC\_11A-257G  DC\_11A-257H  DC\_11A-257I |
| DC\_1A-18A\_n257A2  DC\_1A-18A\_n257D  DC\_1A-18A\_n257E  DC\_1A-18A\_n257F  DC\_1A-18A\_n257G  DC\_1A-18A\_n257H  DC\_1A-18A\_n257I  DC\_1A-18A\_n257J  DC\_1A-18A\_n257K  DC\_1A-18A\_n257L  DC\_1A-18A\_n257M | DC\_1A-257A  DC\_1A-257G  DC\_1A-257H  DC\_1A-257I  DC\_18A\_n257A  DC\_18A-257G  DC\_18A-257H  DC\_18A-257I |
| DC\_1A-19A\_n257A2  DC\_1A-19A\_n257D2  DC\_1A-19A\_n257E2  DC\_1A-19A\_n257F2  DC\_1A-19A\_n257G  DC\_1A-19A\_n257H  DC\_1A-19A\_n257I  DC\_1A-19A\_n257J  DC\_1A-19A\_n257K  DC\_1A-19A\_n257L  DC\_1A-19A\_n257M | DC\_1A\_n257A  DC\_1A-257D  DC\_1A\_n257G  DC\_1A\_n257H  DC\_1A\_n257I  DC\_1A\_n257J  DC\_1A\_n257K  DC\_1A\_n257L  DC\_1A\_n257M  DC\_19A\_n257A  DC\_19A\_n257D  DC\_19A\_n257G  DC\_19A\_n257H  DC\_19A\_n257I |
| DC\_1A-21A\_n257A2  DC\_1A-21A\_n257D2  DC\_1A-21A\_n257E2  DC\_1A-21A\_n257F2  DC\_1A-21A\_n257G  DC\_1A-21A\_n257H  DC\_1A-21A\_n257I  DC\_1A-21A\_n257J  DC\_1A-21A\_n257K  DC\_1A-21A\_n257L  DC\_1A-21A\_n257M | DC\_1A\_n257A  DC\_1A\_n257G  DC\_1A\_n257H  DC\_1A\_n257I  DC\_1A\_n257J  DC\_1A\_n257K  DC\_1A\_n257L  DC\_1A\_n257M  DC\_21A\_n257A  DC\_21A\_n257G  DC\_21A\_n257H  DC\_21A\_n257I  DC\_21A\_n257J  DC\_21A\_n257K  DC\_21A\_n257L  DC\_21A\_n257M |
| DC\_1A-28A\_n257A2  DC\_1A-28A\_n257D2  DC\_1A-28A\_n257E2  DC\_1A-28A\_n257F2  DC\_1A-28A\_n257G2  DC\_1A-28A\_n257H2  DC\_1A-28A\_n257I2 | DC\_1A\_n257A  DC\_1A\_n257D  DC\_1A\_n257G  DC\_1A\_n257H  DC\_1A\_n257I  DC\_28A\_n257A  DC\_28A\_n257D  DC\_28A\_n257G  DC\_28A\_n257H  DC\_28A\_n257I |
| DC\_1A-41A\_n257A  DC\_1A-41A\_n257D  DC\_1A-41A\_n257E  DC\_1A-41A\_n257F  DC\_1A-41A\_n257G  DC\_1A-41A\_n257H  DC\_1A-41A\_n257I  DC\_1A-41A\_n257J  DC\_1A-41A\_n257K  DC\_1A-41A\_n257L  DC\_1A-41A\_n257M  DC\_1A-41C\_n257A  DC\_1A-41C\_n257D  DC\_1A-41C\_n257E  DC\_1A-41C\_n257F  DC\_1A-41C\_n257G  DC\_1A-41C\_n257H  DC\_1A-41C\_n257I  DC\_1A-41C\_n257J  DC\_1A-41C\_n257K  DC\_1A-41C\_n257L  DC\_1A-41C\_n257M | DC\_1A\_n257A  DC\_1A\_n257G  DC\_1A\_n257H  DC\_1A\_n257I  DC\_41A\_n257A  DC\_41A\_n257G  DC\_41A\_n257H  DC\_41A\_n257I  DC\_41C\_n257A  DC\_41C\_n257G  DC\_41C\_n257H  DC\_41C\_n257I |
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| DC\_2A-5A\_n260I  DC\_2A-5A\_n260J  DC\_2A-5A\_n260K  DC\_2A-5A\_n260L  DC\_2A-5A\_n260M | DC\_2A\_n260I  DC\_5A\_n260I |
| DC\_2A-5A\_n261A  DC\_2A-5A\_n261I  DC\_2A-5A\_n261J  DC\_2A-5A\_n261K  DC\_2A-5A\_n261L  DC\_2A-5A\_n261M | DC\_2A\_n261A  DC\_5A\_n261A |
| DC\_2A-5A\_n261(A-G)  DC\_2A-5A\_n261(A-H)  DC\_2A-5A\_n261(A-J)  DC\_2A-5A\_n261(A-K)  DC\_2A-5A\_n261(2A-G)  DC\_2A-5A\_n261(2A-H)  DC\_2A-5A\_n261(2A-I)  DC\_2A-5A\_n261(3A-G)  DC\_2A-5A\_n261(G-H)  DC\_2A-5A\_n261(G-I)  DC\_2A-5A\_n261(G-J)  DC\_2A-5A\_n261(2G)  DC\_2A-5A\_n261(2H)  DC\_2A-5A\_n261(H-I) | DC\_2A\_n261A  DC\_5A\_n261A |
| DC\_2A-5A\_n261(A-G)  DC\_2A-5A\_n261(2A-G)  DC\_2A-5A\_n261(3A-G)  DC\_2A-5A\_n261(2G) | DC\_2A\_n261G  DC\_5A\_n261G |
| DC\_2A-5A\_n261(2A-H)  DC\_2A-5A\_n261(G-H)  DC\_2A-5A\_n261(2H) | DC\_2A\_n261H  DC\_5A\_n261H |
| DC\_2A-5A\_n261I  DC\_2A-5A\_n261J  DC\_2A-5A\_n261K  DC\_2A-5A\_n261L  DC\_2A-5A\_n261M  DC\_2A-5A\_n261(A-J)  DC\_2A-5A\_n261(A-K)  DC\_2A-5A\_n261(2A-I)  DC\_2A-5A\_n261(G-I)  DC\_2A-5A\_n261(G-J)  DC\_2A-5A\_n261(H-I) | DC\_2A\_n261I  DC\_5A\_n261I |
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| DC\_2A-13A\_n257A2 | DC\_2A\_n257A  DC\_13A\_n257A |
| DC\_2A-29A\_n260A  DC\_2A-29A\_n260G  DC\_2A-29A\_n260H  DC\_2A-29A\_n260I  DC\_2A-29A\_n260J  DC\_2A-29A\_n260K  DC\_2A-29A\_n260L  DC\_2A-29A\_n260M | DC\_2A\_n260A |
| DC\_2A-13A\_n260A2  DC\_2A-13A\_n260G  DC\_2A-13A\_n260H  DC\_2A-13A\_n260I  DC\_2A-13A\_n260J  DC\_2A-13A\_n260K  DC\_2A-13A\_n260L  DC\_2A-13A\_n260M | DC\_2A\_n260A  DC\_13A\_n260A |
| DC\_2A-13A\_n260(2A)  DC\_2A-13A\_n260(3A)  DC\_2A-13A\_n260(4A)  DC\_2A-13A\_n260(5A)  DC\_2A-13A\_n260(6A)  DC\_2A-13A\_n260(2G)  DC\_2A-13A\_n260(2H)  DC\_2A-13A\_n260(A-G)  DC\_2A-13A\_n260(A-H)  DC\_2A-13A\_n260(A-2G)  DC\_2A-13A\_n260(2A-G)  DC\_2A-13A\_n260(2A-2G)  DC\_2A-13A\_n260(3A-G)  DC\_2A-13A\_n260(G-H) | DC\_2A\_n260A  DC\_13A\_n260A |
| DC\_2A-13A\_n260I  DC\_2A-13A\_n260J  DC\_2A-13A\_n260K  DC\_2A-13A\_n260L  DC\_2A-13A\_n260M | DC\_2A\_n260I  DC\_13A\_n260I |
| DC\_2A-13A\_n261A  DC\_2A-13A\_n261G  DC\_2A-13A\_n261H  DC\_2A-13A\_n261I  DC\_2A-13A\_n261J  DC\_2A-13A\_n261K  DC\_2A-13A\_n261L  DC\_2A-13A\_n261M | DC\_2A\_n261A  DC\_13A\_n261A |
| DC\_2A-13A\_n261(2A)  DC\_2A-13A\_n261(3A)  DC\_2A-13A\_n261(4A)  DC\_2A-13A\_n261(2G)  DC\_2A-13A\_n261(2H)  DC\_2A-13A\_n261(A-G)  DC\_2A-13A\_n261(A-H)  DC\_2A-13A\_n261(A-I)  DC\_2A-13A\_n261(A-J)  DC\_2A-13A\_n261(A-K)  DC\_2A-13A\_n261(A-2G)  DC\_2A-13A\_n261(A-G-H)  DC\_2A-13A\_n261(A-G-I)  DC\_2A-13A\_n261(2A-G)  DC\_2A-13A\_n261(2A-H)  DC\_2A-13A\_n261(2A-I)  DC\_2A-13A\_n261(3A-G)  DC\_2A-13A\_n261(G-H)  DC\_2A-13A\_n261(G-I)  DC\_2A-13A\_n261(G-J)  DC\_2A-13A\_n261(H-I) | DC\_2A\_n261A  DC\_13A\_n261A |
| DC\_2A-13A\_n261(A-G)  DC\_2A-13A\_n261(2A-G)  DC\_2A-13A\_n261(3A-G)  DC\_2A-13A\_n261(2G) | DC\_2A\_n261G  DC\_13A\_n261G |
| DC\_2A-13A\_n261(A-H)  DC\_2A-13A\_n261(2A-H)  DC\_2A-13A\_n261(G-H)  DC\_2A-13A\_n261(2H) | DC\_2A\_n261H  DC\_13A\_n261H |
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| DC\_2A-30A\_n260A  DC\_2A-30A\_n260G  DC\_2A-30A\_n260H  DC\_2A-30A\_n260I  DC\_2A-30A\_n260J  DC\_2A-30A\_n260K  DC\_2A-30A\_n260L  DC\_2A-30A\_n260M | DC\_2A\_n260A  DC\_30A\_n260A |
| DC\_2A-2A-30A\_n260A  DC\_2A-2A-30A\_n260G  DC\_2A-2A-30A\_n260H  DC\_2A-2A-30A\_n260I  DC\_2A-2A-30A\_n260J  DC\_2A-2A-30A\_n260K  DC\_2A-2A-30A\_n260L  DC\_2A-2A-30A\_n260M | DC\_2A\_n260A  DC\_30A\_n260A |
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| DC\_2A-46A\_n261A  DC\_2A-46C\_n261A  DC\_2A-46D\_n261A  DC\_2A-46A\_n261(2A)  DC\_2A-46C\_n261(2A)  DC\_2A-46D\_n261(2A | DC\_2A\_n261A |
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| DC\_2A-66A\_n260(2A)  DC\_2A-66A\_n260(3A)  DC\_2A-66A\_n260(4A)  DC\_2A-66A\_n260(5A)  DC\_2A-66A\_n260(6A)  DC\_2A-66A\_n260(2G)  DC\_2A-66A\_n260(2H)  DC\_2A-66A\_n260(A-G)  DC\_2A-66A\_n260(A-H)  DC\_2A-66A\_n260(A-2G)  DC\_2A-66A\_n260(2A-G)  DC\_2A-66A\_n260(2A-2G)  DC\_2A-66A\_n260(3A-G)  DC\_2A-66A\_n260(G-H) | DC\_2A\_n260A  DC\_66A\_n260A |
| DC\_2A-66A\_n260I  DC\_2A-66A\_n260J  DC\_2A-66A\_n260K  DC\_2A-66A\_n260L  DC\_2A-66A\_n260M  DC\_2A-66A-66A\_n260I  DC\_2A-66A-66A\_n260J  DC\_2A-66A-66A\_n260K  DC\_2A-66A-66A\_n260L  DC\_2A-66A-66A\_n260M | DC\_2A\_n260I  DC\_66A\_n260I |
| DC\_2A-2A-66A\_n260A  DC\_2A-2A-66A\_n260G  DC\_2A-2A-66A\_n260H  DC\_2A-2A-66A\_n260I  DC\_2A-2A-66A\_n260J  DC\_2A-2A-66A\_n260K  DC\_2A-2A-66A\_n260L  DC\_2A-2A-66A\_n260M  DC\_2A-66A-66A\_n260A  DC\_2A-66A-66A\_n260G  DC\_2A-66A-66A\_n260H  DC\_2A-66A-66A\_n260I  DC\_2A-66A-66A\_n260J  DC\_2A-66A-66A\_n260K  DC\_2A-66A-66A\_n260L  DC\_2A-66A-66A\_n260M | DC\_2A\_n260A  DC\_66A\_n260A |
| DC\_2A-66A\_n261A | DC\_2A\_n261A  DC\_66A\_n261A |
| DC\_2A-66A\_n261G  DC\_2A-66A\_n261H  DC\_2A-66A\_n261I  DC\_2A-66A\_n261J  DC\_2A-66A\_n261K  DC\_2A-66A\_n261L  DC\_2A-66A\_n261M | DC\_2A\_n261A  DC\_66A\_n261A |
| DC\_2A-66A\_n261(2A)  DC\_2A-66A\_n261(3A)  DC\_2A-66A\_n261(4A)  DC\_2A-66A\_n261(2G)  DC\_2A-66A\_n261(2H)  DC\_2A-66A\_n261(A-G)  DC\_2A-66A\_n261(A-H)  DC\_2A-66A\_n261(A-I)  DC\_2A-66A\_n261(A-J)  DC\_2A-66A\_n261(A-K)  DC\_2A-66A\_n261(A-2G)  DC\_2A-66A\_n261(A-G-H)  DC\_2A-66A\_n261(A-G-I)  DC\_2A-66A\_n261(2A-G)  DC\_2A-66A\_n261(2A-H)  DC\_2A-66A\_n261(2A-I)  DC\_2A-66A\_n261(3A-G)  DC\_2A-66A\_n261(G-H)  DC\_2A-66A\_n261(G-I)  DC\_2A-66A\_n261(G-J)  DC\_2A-66A\_n261(H-I)  DC\_2A-66A-66A\_n261A  DC\_2A-66A-66A\_n261I  DC\_2A-66A-66A\_n261J  DC\_2A-66A-66A\_n261K  DC\_2A-66A-66A\_n261L  DC\_2A-66A-66A\_n261M  DC\_2A-66A-66A\_n261(A-G)  DC\_2A-66A-66A\_n261(A-H)  DC\_2A-66A-66A\_n261(A-J)  DC\_2A-66A-66A\_n261(A-K)  DC\_2A-66A-66A\_n261(2A-G)  DC\_2A-66A-66A\_n261(2A-H)  DC\_2A-66A-66A\_n261(2A-I)  DC\_2A-66A-66A\_n261(3A-G)  DC\_2A-66A-66A\_n261(2G)  DC\_2A-66A-66A\_n261(G-H)  DC\_2A-66A-66A\_n261(G-I)  DC\_2A-66A-66A\_n261(G-J)  DC\_2A-66A-66A\_n261(2H)  DC\_2A-66A-66A\_n261(H-I) | DC\_2A\_n261A  DC\_66A\_n261A |
| DC\_2A-66A\_n261(A-G)  DC\_2A-66A\_n261(2A-G)  DC\_2A-66A\_n261(3A-G)  DC\_2A-66A\_n261(2G)  DC\_2A-66A-66A\_n261(A-G)  DC\_2A-66A-66A\_n261(2A-G)  DC\_2A-66A-66A\_n261(3A-G)  DC\_2A-66A-66A\_n261(2G) | DC\_2A\_n261G  DC\_66A\_n261G |
| DC\_2A-66A\_n261(A-H)  DC\_2A-66A\_n261(2A-H)  DC\_2A-66A\_n261(G-H)  DC\_2A-66A\_n261(2H)  DC\_2A-66A-66A\_n261(A-H)  DC\_2A-66A-66A\_n261(2A-H)  DC\_2A-66A-66A\_n261(G-H)  DC\_2A-66A-66A\_n261(2H) | DC\_2A\_n261H  DC\_66A\_n261H |
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| DC\_13A-66A\_n261A  DC\_13A-66A\_n261G  DC\_13A-66A\_n261H  DC\_13A-66A\_n261I  DC\_13A-66A\_n261J  DC\_13A-66A\_n261K  DC\_13A-66A\_n261L  DC\_13A-66A\_n261M | DC\_13A\_n261A  DC\_66A\_n261A |
| DC\_13A-66A\_n261(2A)  DC\_13A-66A\_n261(3A)  DC\_13A-66A\_n261(4A)  DC\_13A-66A\_n261(2G)  DC\_13A-66A\_n261(2H)  DC\_13A-66A\_n261(A-G)  DC\_13A-66A\_n261(A-H)  DC\_13A-66A\_n261(A-I)  DC\_13A-66A\_n261(A-J)  DC\_13A-66A\_n261(A-K)  DC\_13A-66A\_n261(A-2G)  DC\_13A-66A\_n261(A-G-H)  DC\_13A-66A\_n261(A-G-I)  DC\_13A-66A\_n261(2A-G)  DC\_13A-66A\_n261(2A-H)  DC\_13A-66A\_n261(2A-I)  DC\_13A-66A\_n261(3A-G)  DC\_13A-66A\_n261(G-H)  DC\_13A-66A\_n261(G-I)  DC\_13A-66A\_n261(G-J)  DC\_13A-66A\_n261(H-I)  DC\_13A-66A-66A\_n261(2A)  DC\_13A-66A-66A\_n261(3A)  DC\_13A-66A-66A\_n261(4A)  DC\_13A-66A-66A\_n261(2G)  DC\_13A-66A-66A\_n261(2H)  DC\_13A-66A-66A\_n261(A-G)  DC\_13A-66A-66A\_n261(A-H)  DC\_13A-66A-66A\_n261(A-I)  DC\_13A-66A-66A\_n261(A-J)  DC\_13A-66A-66A\_n261(A-K)  DC\_13A-66A-66A\_n261(A-2G)  DC\_13A-66A-66A\_n261(A-G-H)  DC\_13A-66A-66A\_n261(A-G-I)  DC\_13A-66A-66A\_n261(2A-G)  DC\_13A-66A-66A\_n261(2A-H)  DC\_13A-66A-66A\_n261(2A-I)  DC\_13A-66A-66A\_n261(3A-G)  DC\_13A-66A-66A\_n261(G-H)  DC\_13A-66A-66A\_n261(G-I)  DC\_13A-66A-66A\_n261(G-J)  DC\_13A-66A-66A\_n261(H-I) | DC\_13A\_n261A  DC\_66A\_n261A |
| DC\_13A-66A\_n261(A-G)  DC\_13A-66A\_n261(2A-G)  DC\_13A-66A\_n261(3A-G)  DC\_13A-66A\_n261(2G)  DC\_13A-66A-66A\_n261(A-G)  DC\_13A-66A-66A\_n261(2A-G)  DC\_13A-66A-66A\_n261(3A-G)  DC\_13A-66A-66A\_n261(2G) | DC\_13A\_n261G  DC\_66A\_n261G |
| DC\_13A-66A\_n261(A-H)  DC\_13A-66A\_n261(2A-H)  DC\_13A-66A\_n261(G-H)  DC\_13A-66A\_n261(2H)  DC\_13A-66A-66A\_n261(A-H)  DC\_13A-66A-66A\_n261(2A-H)  DC\_13A-66A-66A\_n261(G-H)  DC\_13A-66A-66A\_n261(2H) | DC\_13A\_n261H  DC\_66A\_n261H |
| DC\_8A-11A\_n257A  DC\_8A-11A\_n257D | DC\_8A\_n257A  DC\_11A\_n257A |
| DC\_12A-30A\_n260A  DC\_12A-30A\_n260G  DC\_12A-30A\_n260H  DC\_12A-30A\_n260I  DC\_12A-30A\_n260J  DC\_12A-30A\_n260K  DC\_12A-30A\_n260L  DC\_12A-30A\_n260M | DC\_12A\_n260A  DC\_30A\_n260A |
| DC\_12A-66A\_n260A  DC\_12A-66A\_n260G  DC\_12A-66A\_n260H  DC\_12A-66A\_n260I  DC\_12A-66A\_n260J  DC\_12A-66A\_n260K  DC\_12A-66A\_n260L  DC\_12A-66A\_n260M | DC\_12A\_n260A  DC\_66A\_n260A |
| DC\_12A-66A-66A\_n260A  DC\_12A-66A-66A\_n260G  DC\_12A-66A-66A\_n260H  DC\_12A-66A-66A\_n260I  DC\_12A-66A-66A\_n260J  DC\_12A-66A-66A\_n260K  DC\_12A-66A-66A\_n260L  DC\_12A-66A-66A\_n260M | DC\_12A\_n260A  DC\_66A\_n260A |
| DC\_14A-30A\_n260A  DC\_14A-30A\_n260G  DC\_14A-30A\_n260H  DC\_14A-30A\_n260I  DC\_14A-30A\_n260J  DC\_14A-30A\_n260K  DC\_14A-30A\_n260L  DC\_14A-30A\_n260M | DC\_14A\_n260A  DC\_14A\_n260G  DC\_14A\_n260H  DC\_14A\_n260I  DC\_14A\_n260J  DC\_14A\_n260K  DC\_14A\_n260L  DC\_14A\_n260M  DC\_30A\_n260A  DC\_30A\_n260G  DC\_30A\_n260H  DC\_30A\_n260I  DC\_30A\_n260J  DC\_30A\_n260K  DC\_30A\_n260L  DC\_30A\_n260M |
| DC\_14A-66A\_n260A  DC\_14A-66A\_n260G  DC\_14A-66A\_n260H  DC\_14A-66A\_n260I  DC\_14A-66A\_n260J  DC\_14A-66A\_n260K  DC\_14A-66A\_n260L  DC\_14A-66A\_n260M  DC\_14A-66A-66A\_n260A  DC\_14A-66A-66A\_n260G  DC\_14A-66A-66A\_n260H  DC\_14A-66A-66A\_n260I  DC\_14A-66A-66A\_n260J  DC\_14A-66A-66A\_n260K  DC\_14A-66A-66A\_n260L  DC\_14A-66A-66A\_n260M | DC\_14A\_n260A  DC\_14A\_n260G  DC\_14A\_n260H  DC\_14A\_n260I  DC\_14A\_n260J  DC\_14A\_n260K  DC\_14A\_n260L  DC\_14A\_n260M  DC\_66A\_n260A  DC\_66A\_n260G  DC\_66A\_n260H  DC\_66A\_n260I  DC\_66A\_n260J  DC\_66A\_n260K  DC\_66A\_n260L  DC\_66A\_n260M |
| DC\_13A-66A\_n257A2 | DC\_13A\_n257A  DC\_66A\_n257A |
| DC\_13A-66A\_n260A2 | DC\_13A\_n260A  DC\_66A\_n260A |
| DC\_18A-28A\_n257A2 | DC\_18A\_n257A  DC\_28A\_n257A |
| DC\_18A-42A\_n257A  DC\_18A-42A\_n257D  DC\_18A-42A\_n257E  DC\_18A-42A\_n257F  DC\_18A-42A\_n257G  DC\_18A-42A\_n257H  DC\_18A-42A\_n257I  DC\_18A-42A\_n257J  DC\_18A-42A\_n257K  DC\_18A-42A\_n257L  DC\_18A-42A\_n257M  DC\_18A-42C\_n257A  DC\_18A-42C\_n257D  DC\_18A-42C\_n257E  DC\_18A-42C\_n257F  DC\_18A-42C\_n257G  DC\_18A-42C\_n257H  DC\_18A-42C\_n257I  DC\_18A-42C\_n257J  DC\_18A-42C\_n257K  DC\_18A-42C\_n257L  DC\_18A-42C\_n257M | DC\_18A\_n257A  DC\_18A\_n257G  DC\_18A\_n257H  DC\_18A\_n257I  DC\_42A\_n257A  DC\_42A\_n257G  DC\_42A\_n257H  DC\_42A\_n257I  DC\_42C\_n257A  DC\_42C\_n257G  DC\_42C\_n257H  DC\_42C\_n257I |
| DC\_18A-41A\_n257A  DC\_18A-41A\_n257G  DC\_18A-41A\_n257H  DC\_18A-41A\_n257I  DC\_18A-41C\_n257A  DC\_18A-41C\_n257G  DC\_18A-41C\_n257H  DC\_18A-41C\_n257I | DC\_18A\_n257A  DC\_18A\_n257G  DC\_18A\_n257H  DC\_18A\_n257I  DC\_41A\_n257A  DC\_41A\_n257G  DC\_41A\_n257H  DC\_41A\_n257I  DC\_41C\_n257A  DC\_41C\_n257G  DC\_41C\_n257H  DC\_41C\_n257I |
| DC\_19A-21A\_n257A2  DC\_19A-21A\_n257D2  DC\_19A-21A\_n257E2  DC\_19A-21A\_n257F2  DC\_19A-21A\_n257G  DC\_19A-21A\_n257H  DC\_19A-21A\_n257I  DC\_19A-21A\_n257J  DC\_19A-21A\_n257K  DC\_19A-21A\_n257L  DC\_19A-21A\_n257M | DC\_19A\_n257A  DC\_19A\_n257D  DC\_19A\_n257G  DC\_19A\_n257H  DC\_19A\_n257I  DC\_21A\_n257A  DC\_21A\_n257D  DC\_21A\_n257G  DC\_21A\_n257H  DC\_21A\_n257I  DC\_21A\_n257J  DC\_21A\_n257K  DC\_21A\_n257L  DC\_21A\_n257M |
| DC\_19A-42A\_n257A2  DC\_19A-42A\_n257D2  DC\_19A-42A\_n257E2  DC\_19A-42A\_n257F2  DC\_19A-42A\_n257G2  DC\_19A-42A\_n257H2  DC\_19A-42A\_n257I2  DC\_19A-42C\_n257A2  DC\_19A-42C\_n257G2  DC\_19A-42C\_n257H2  DC\_19A-42C\_n257I2  DC\_19A-42D\_n257D2  DC\_19A-42D\_n257E2  DC\_19A-42D\_n257F2 | DC\_19A\_n257A  DC\_19A\_n257D  DC\_19A\_n257G  DC\_19A\_n257H  DC\_19A\_n257I  DC\_42A\_n257A  DC\_42A\_n257D  DC\_42A\_n257G  DC\_42A\_n257H  DC\_42A\_n257I |
| DC\_21A-28A\_n257A2  DC\_21A-28A\_n257D2  DC\_21A-28A\_n257E2  DC\_21A-28A\_n257F2 | DC\_21A\_n257A  DC\_21A\_n257D  DC\_28A\_n257A  DC\_28A\_n257D |
| DC\_21A-42A\_n257A2  DC\_21A-42A\_n257D2  DC\_21A-42A\_n257E2  DC\_21A-42A\_n257F2  DC\_21A-42A\_n257G  DC\_21A-42A\_n257H  DC\_21A-42A\_n257I  DC\_21A-42A\_n257J  DC\_21A-42A\_n257K  DC\_21A-42A\_n257L  DC\_21A-42A\_n257M  DC\_21A-42C\_n257A2  DC\_21A-42C\_n257G  DC\_21A-42C\_n257H  DC\_21A-42C\_n257I  DC\_21A-42C\_n257J  DC\_21A-42C\_n257K  DC\_21A-42C\_n257L  DC\_21A-42C\_n257M  DC\_21A-42D\_n257A  DC\_21A-42D\_n257D  DC\_21A-42D\_n257E  DC\_21A-42D\_n257F  DC\_21A-42D\_n257G  DC\_21A-42D\_n257H  DC\_21A-42D\_n257I  DC\_21A-42D\_n257J  DC\_21A-42D\_n257K  DC\_21A-42D\_n257L  DC\_21A-42D\_n257M  DC\_21A-42E\_n257A  DC\_21A-42E\_n257D  DC\_21A-42E\_n257E  DC\_21A-42E\_n257F  DC\_21A-42E\_n257G  DC\_21A-42E\_n257H  DC\_21A-42E\_n257I  DC\_21A-42E\_n257J  DC\_21A-42E\_n257K  DC\_21A-42E\_n257L  DC\_21A-42E\_n257M | DC\_21A\_n257A  DC\_21A\_n257D  DC\_21A\_n257G  DC\_21A\_n257H  DC\_21A\_n257I  DC\_21A\_n257J  DC\_21A\_n257K  DC\_21A\_n257L  DC\_21A\_n257M  DC\_42A\_n257A  DC\_42A\_n257D  DC\_42A\_n257G  DC\_42A\_n257H  DC\_42A\_n257I |
| DC\_28A-41A\_n257A  DC\_28A-41A\_n257G  DC\_28A-41A\_n257H  DC\_28A-41A\_n257IDC\_28A-41C\_n257A  DC\_28A-41C\_n257G  DC\_28A-41C\_n257H  DC\_28A-41C\_n257I | DC\_28A\_n257A  DC\_28A\_n257G  DC\_28A\_n257H  DC\_28A\_n257I  DC\_41A\_n257A  DC\_41A\_n257G  DC\_41A\_n257H  DC\_41A\_n257I  DC\_41C\_n257A  DC\_41C\_n257G  DC\_41C\_n257H  DC\_41C\_n257I |
| DC\_28A-42A\_n257A2  DC\_28A-42A\_n257D2  DC\_28A-42A\_n257G2  DC\_28A-42A\_n257H2  DC\_28A-42A\_n257I2  DC\_28A-42C\_n257A2  DC\_28A-42C\_n257D2  DC\_28A-42C\_n257G2  DC\_28A-42C\_n257H2  DC\_28A-42C\_n257I2 | DC\_28A\_n257A  DC\_28A\_n257G  DC\_28A\_n257H  DC\_28A\_n257I  DC\_42A\_n257A  DC\_42A\_n257G  DC\_42A\_n257H  DC\_42A\_n257I  DC\_42C\_n257A  DC\_42C\_n257G  DC\_42C\_n257H  DC\_42C\_n257I |
| DC\_29A-30A\_n260A  DC\_29A-30A\_n260G  DC\_29A-30A\_n260H  DC\_29A-30A\_n260I  DC\_29A-30A\_n260J  DC\_29A-30A\_n260K  DC\_29A-30A\_n260L  DC\_29A-30A\_n260M | DC\_30A\_n260A |
| DC\_30A-66A\_n260A  DC\_30A-66A\_n260G  DC\_30A-66A\_n260H  DC\_30A-66A\_n260I  DC\_30A-66A\_n260J  DC\_30A-66A\_n260K  DC\_30A-66A\_n260L  DC\_30A-66A\_n260M | DC\_30A\_n260A  DC\_66A\_n260A |
| DC\_30A-66A-66A\_n260A  DC\_30A-66A-66A\_n260G  DC\_30A-66A-66A\_n260H  DC\_30A-66A-66A\_n260I  DC\_30A-66A-66A\_n260J  DC\_30A-66A-66A\_n260K  DC\_30A-66A-66A\_n260L  DC\_30A-66A-66A\_n260M | DC\_30A\_n260A  DC\_66A\_n260A |
| DC\_41A-42A\_n257A  DC\_41A-42A\_n257D  DC\_41A-42A\_n257E  DC\_41A-42A\_n257F  DC\_41A-42A\_n257G  DC\_41A-42A\_n257H  DC\_41A-42A\_n257I  DC\_41A-42A\_n257J  DC\_41A-42A\_n257K  DC\_41A-42A\_n257L  DC\_41A-42A\_n257M  DC\_41A-42C\_n257A  DC\_41A-42C\_n257D  DC\_41A-42C\_n257E  DC\_41A-42C\_n257F  DC\_41A-42C\_n257G  DC\_41A-42C\_n257H  DC\_41A-42C\_n257I  DC\_41A-42C\_n257J  DC\_41A-42C\_n257K  DC\_41A-42C\_n257L  DC\_41A-42C\_n257M  DC\_41C-42A\_n257A  DC\_41C-42A\_n257D  DC\_41C-42A\_n257E  DC\_41C-42A\_n257F  DC\_41C-42A\_n257G  DC\_41C-42A\_n257H  DC\_41C-42A\_n257I  DC\_41C-42A\_n257J  DC\_41C-42A\_n257K  DC\_41C-42A\_n257L  DC\_41C-42A\_n257M  DC\_41C-42C\_n257A  DC\_41C-42C\_n257D  DC\_41C-42C\_n257E  DC\_41C-42C\_n257F  DC\_41C-42C\_n257G  DC\_41C-42C\_n257H  DC\_41C-42C\_n257I  DC\_41C-42C\_n257J  DC\_41C-42C\_n257K  DC\_41C-42C\_n257L  DC\_41C-42C\_n257M | DC\_41A\_n257A  DC\_41A\_n257G  DC\_41A\_n257H  DC\_41A\_n257I  DC\_41C\_n257A  DC\_41C\_n257G  DC\_41C\_n257H  DC\_41C\_n257I  DC\_42A\_n257A  DC\_42A\_n257G  DC\_42A\_n257H  DC\_42A\_n257I  DC\_42C\_n257A  DC\_42C\_n257G  DC\_42C\_n257H  DC\_42C\_n257I |
| DC\_46A-48A\_n260A  DC\_46C-48A\_n260A  DC\_46D-48A\_n260A  DC\_46A-48C\_n260A  DC\_46A-48D\_n260A  DC\_46C-48C\_n260A  DC\_46C-48D\_n260A  DC\_46D-48C\_n260A  DC\_46D-48D\_n260A  DC\_46A-48A\_n260(2A)  DC\_46C-48A\_n260(2A)  DC\_46D-48A\_n260(2A)  DC\_46A-48C\_n260(2A)  DC\_46A-48D\_n260(2A)  DC\_46C-48C\_n260(2A)  DC\_46C-48D\_n260(2A)  DC\_46D-48C\_n260(2A)  DC\_46D-48D\_n260(2A)  DC\_46A-48A\_n260(3A)  DC\_46C-48A\_n260(3A)  DC\_46D-48A\_n260(3A)  DC\_46A-48C\_n260(3A)  DC\_46A-48D\_n260(3A)  DC\_46C-48C\_n260(3A)  DC\_46C-48D\_n260(3A)  DC\_46D-48C\_n260(3A)  DC\_46D-48D\_n260(3A)  DC\_46A-48A\_n260(4A)  DC\_46C-48A\_n260(4A)  DC\_46D-48A\_n260(4A)  DC\_46A-48C\_n260(4A)  DC\_46A-48D\_n260(4A)  DC\_46C-48C\_n260(4A)  DC\_46C-48D\_n260(4A)  DC\_46D-48C\_n260(4A)  DC\_46D-48D\_n260(4A) | DC\_48A\_n260A  DC\_48C\_n260A |
| DC\_46A-48A\_n261A  DC\_46C-48A\_n261A  DC\_46D-48A\_n261A  DC\_46A-48C\_n261A  DC\_46A-48D\_n261A  DC\_46C-48C\_n261A  DC\_46C-48D\_n261A  DC\_46D-48C\_n261A  DC\_46D-48D\_n261A  DC\_46A-48A\_n261(2A)  DC\_46C-48A\_n261(2A)  DC\_46D-48A\_n261(2A)  DC\_46A-48C\_n261(2A)  DC\_46A-48D\_n261(2A)  DC\_46C-48C\_n261(2A)  DC\_46C-48D\_n261(2A)  DC\_46D-48C\_n261(2A)  DC\_46D-48D\_n261(2A) | DC\_48A\_n261A  DC\_48C\_n261A |
| DC\_46A-66A\_n258A  DC\_46C-66A\_n258A  DC\_46D-66A\_n258A | DC\_66A\_n258A |
| DC\_46A-66A\_n258(2A)  DC\_46A-66A\_n258(3A)  DC\_46A-66A\_n258(4A)  DC\_46A-66A\_n258(5A)  DC\_46C-66A\_n258(2A)  DC\_46C-66A\_n258(3A)  DC\_46C-66A\_n258(4A)  DC\_46C-66A\_n258(5A)  DC\_46D-66A\_n258(2A)  DC\_46D-66A\_n258(3A)  DC\_46D-66A\_n258(4A)  DC\_46D-66A\_n258(5A) | DC\_66A\_n258A |
| DC\_46A-66A\_n260A  DC\_46C-66A\_n260A  DC\_46D-66A\_n260A  DC\_46E-66A\_n260A  DC\_46A-66A\_n260G  DC\_46C-66A\_n260G  DC\_46D-66A\_n260G  DC\_46E-66A\_n260G  DC\_46A-66A\_n260H  DC\_46C-66A\_n260H  DC\_46D-66A\_n260H  DC\_46E-66A\_n260H  DC\_46A-66A\_n260I  DC\_46C-66A\_n260I  DC\_46D-66A\_n260I  DC\_46E-66A\_n260I  DC\_46A-66A\_n260J  DC\_46C-66A\_n260J  DC\_46D-66A\_n260J  DC\_46E-66A\_n260J  DC\_46A-66A\_n260K  DC\_46C-66A\_n260K  DC\_46D-66A\_n260K  DC\_46E-66A\_n260K  DC\_46A-66A\_n260L  DC\_46C-66A\_n260L  DC\_46D-66A\_n260L  DC\_46E-66A\_n260L  DC\_46A-66A\_n260M  DC\_46C-66A\_n260M  DC\_46D-66A\_n260M  DC\_46E-66A\_n260M | DC\_66A\_n260A  DC\_66A\_n260G  DC\_66A\_n260H  DC\_66A\_n260I  DC\_66A\_n260J  DC\_66A\_n260K  DC\_66A\_n260L  DC\_66A\_n260M |
| DC\_46A-66A\_n260(2A)  DC\_46C-66A\_n260(2A)  DC\_46D-66A\_n260(2A) | DC\_66A\_n260A |
| DC\_46A-66A\_n261A  DC\_46C-66A\_n261A  DC\_46D-66A\_n261A  DC\_46A-66A\_n261(2A)  DC\_46C-66A\_n261(2A)  DC\_46D-66A\_n261(2A) | DC\_66A\_n261A |
| NOTE 1: Uplink EN-DC configurations are the configurations supported by the present release of specifications.  NOTE 2: Applicable for UE supporting inter-band EN-DC with mandatory simultaneous Rx/Tx capability | |

###### *------------------------------ Modified 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\_n5 | 1 | 0.3 |
| 3 | 0.3 |
| n5 | 0.3 |
| DC\_1-3\_n7 | 1 | 0.6 |
| 3 | 0.6 |
| n7 | 0.6 |
| DC\_1-3\_n8 | 1 | 0.3 |
| 3 | 0.3 |
| n8 | 0.3 |
| DC\_1-3\_n28 | 1 | 0.3 |
| 3 | 0.3 |
| n28 | 0.6 |
| DC\_1\_n3-n28 | 1 | 0.3 |
| n3 | 0.3 |
| n28 | 0.6 |
| DC\_1-3\_n38 | 1 | 0.5 |
| 3 | 0.5 |
| n38 | 0.5 |
| DC\_1-3\_n40 | 1 | 0.5 |
| 3 | 0.5 |
| n40 | 0.5 |
| DC\_1-3\_n41 | 1 | 0.5 |
| 3 | 0.5 |
| n41 | 0.31 |
| DC\_1-3\_n77 | 1 | 0.6 |
| 3 | 0.6 |
| n77 | 0.8 |
| DC\_1-3\_n71 | 1 | 0.3 |
| 3 | 0.3 |
| n71 | 0.3 |
| 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 |
|  |  |
| DC\_1-7\_n3 | 1 | 0.6 |
| 7 | 0.6 |
| n3 | 0.6 |
| DC\_1-7\_n5 | 1 | 0.5 |
| 7 | 0.6 |
| n5 | 0.3 |
| DC\_1-7\_n7 | 1 | 0.5 |
| 7 | 0.6 |
| n7 | 0.6 |
| DC\_1-7\_n8 | 1 | 0.5 |
| 7 | 0.6 |
| n8 | 0.6 |
| DC\_1-7\_n28 | 1 | 0.5 |
| 7 | 0.6 |
| n28 | 0.6 |
| DC\_1-7\_n40 | 1 | 0.6 |
| 7 | 0.8 |
| n40 | 0.9 |
| 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\_n7-n78 | 1 | 0.6 |
| n7 | 0.6 |
| n78 | 0.8 |
| DC\_1-8\_n3 | 1 | 0.3 |
| 8 | 0.3 |
| n3 | 0.3 |
| DC\_1-8\_n28 | 1 | 0.3 |
| 8 | 0.6 |
| n28 | 0.6 |
| DC\_1-8\_n77 | 1 | 0.3 |
| 8 | 0.6 |
| n77 | 0.8 |
| DC\_1-8\_n78  DC\_1\_n8-n78 | 1 | 0.3 |
| 8 | 0.6 |
| n78 | 0.8 |
| DC\_1-8\_n79 | 1 | 0.3 |
| 8 | 0.3 |
|  |  |
| DC\_1-11\_n3 | 1 | 0.3 |
| 11 | 0.8 |
| n3 | 0.9 |
| DC\_1-11\_n77 | 1 | 0.6 |
| 11 | 0.4 |
| n77 | 0.8 |
| DC\_1-11\_n78 | 1 | 0.3 |
| 11 | 0.4 |
| n78 | 0.8 |
| DC\_1-18-n3 | 1 | 0.3 |
| 18 | 0.3 |
| n3 | 0.3 |
| DC\_1-18\_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\_n3 | 1 | 0.3 |
| 20 | 0.3 |
| n3 | 0.3 |
| DC\_1-20\_n8 | 1 | 0.3 |
| 20 | 0.4 |
| n8 | 0.4 |
| DC\_1-20\_n28 | 1 | 0.3 |
| 20 | 0.6 |
| n28 | 0.6 |
| DC\_1-20\_n38 | 1 | 0.5 |
| 20 | 0.3 |
| n38 | 0.5 |
| DC\_1-20\_n41 | 1 | 0.5 |
| 20 | 0.3 |
| n41 | 0.51 |
| 1.22 |
| 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\_1-28-n3 | 1 | 0.3 |
| 28 | 0.6 |
| n3 | 0.3 |
| DC\_1-28\_n5 | 1 | 0.3 |
| 28 | 0.5 |
| n5 | 0.5 |
| DC\_1-28\_n7 | 1 | 0.5 |
| 28 | 0.6 |
| n7 | 0.6 |
| DC\_1-28\_n40 | 1 | 0.6 |
| 28 | 0.3 |
| n40 | 0.5 |
| DC\_1-32\_n78 | 1 | 0.5 |
| n78 | 0.8 |
| DC\_1-(n)38 | 1 | 0.5 |
| 38 | 0.5 |
| n38 | 0.5 |
| DC\_1\_n40-n78 | 1 | 0.3 |
| n40 | 0.5 |
| n78 | 0.8 |
| DC\_1-41\_n3 | 1 | 0.5 |
| 41 | 0.31/0.82 |
| n3 | 0.5 |
| DC\_1-41\_n28 | 1 | 0.5 |
| 41 | 0.5 |
| n28 | 0.5 |
| DC\_1-(n)41 | 1 | 0.5 |
| 41 | 0.5 |
| n41 | 0.5 |
| DC\_1-41\_n41 | 1 | 0.5 |
| 41 | 0.5 |
| n41 | 0.5 |
| 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 |
| n28 | 0.3 |
| DC\_1-42\_n28 | 1 | 0.3 |
| 42 | 0.8 |
| n28 | 0.8 |
| 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\_n77-n80 | 1 | 0.6 |
| n77 | 0.8 |
| n80 | 0.6 |
| DC\_1\_SUL\_n77-n84 | 1 | 0.6 |
| n77 | 0.8 |
| n84 | 0.6 |
| 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\_2-4\_n38 | 2 | 0.5 |
| 4 | 0.5 |
| n38 | 0.5 |
| DC\_2-4\_n41 | 2 | 0.5 |
| 4 | 0.5 |
| n41 | 0.5 |
| DC\_2-5\_n2  DC\_2-5-5\_n2 | 2 | 0.3 |
| 5 | 0.3 |
| n2 | 0.3 |
| DC\_2-5\_n5  DC\_2-2-5\_n5 | 2 | 0.3 |
| 5 | 0.3 |
| n5 | 0.3 |
| DC\_2-5\_n66  DC\_2-5-5\_n66 | 2 | 0.5 |
| 5 | 0.3 |
| n66 | 0.5 |
| DC\_2-5\_n71 | 2 | 0.3 |
| 5 | 0.5 |
| n71 | 0.5 |
| DC\_2-7\_n38 DC\_2-2-7\_n38 | 2 | 0.5 |
| DC\_2-7\_n71 | 2 | 0.5 |
| 7 | 0.5 |
| n71 | 0.6 |
| DC\_2-7\_n66  DC\_2-7-7\_n66 | 2 | 0.5 |
| 7 | 0.5 |
| n66 | 0.5 |
| DC\_2-7\_n78 | 2 | 0.5 |
| 7 | 0.5 |
|  |  |
| DC\_2\_n7-n78 | 2 | 0.6 |
| n7 | 0.5 |
| n78 | 0.8 |
| DC\_2-12\_n2 | 2 | 0.3 |
| 12 | 0.3 |
|  |  |
| DC\_2\_(n)12 | 2 | 0.3 |
| 12 | 0.3 |
| n12 | 0.3 |
| DC\_2-12\_n66, DC\_2-2-12\_n66 | 2 | 0.5 |
| 12 | 0.8 |
| n66 | 0.5 |
| DC\_2-13\_n2 | 2 | 0.3 |
| 13 | 0.3 |
| n2 | 0.3 |
| DC\_2-13\_n5  DC\_2-2-13\_n5 | 2 | 0.3 |
| 13 | 0.5 |
| n5 | 0.5 |
| DC\_2-13\_n66  DC\_2-2-13\_n66 | 2 | 0.5 |
| 13 | 0.3 |
| n66 | 0.5 |
| DC\_2-14\_n2 | 2 | 0.3 |
| 14 | 0.3 |
| n2 | 0.3 |
| DC\_2-14\_n66 DC\_2-2-14\_n66 | 2 | 0.5 |
| 14 | 0.3 |
| n66 | 0.5 |
| DC\_2-29\_n66  DC\_2-2-29\_n66 | 2 | 0.5 |
| n66 | 0.5 |
| DC\_2-30\_n5, DC\_2-2-30\_n5 | 2 | 0.5 |
| 30 | 0.3 |
| n5 | 0.3 |
| DC\_2-30\_n66, DC\_2-2-30\_n66 | 2 | 0.5 |
| 30 | 0.3 |
| n66 | 0.5 |
| DC\_2\_n41-n66 | 2 | 0.5 |
| n41 | 0.5 |
| n66 | 0.5 |
| DC\_2\_n41-n71 | 2 | 0.5 |
| n41 | 0.5 |
| n71 | 0.3 |
| DC\_2-46\_n41 | 2 | 0.5 |
| n41 | 0.41 |
| 0.92 |
| DC\_2-46\_n66 | 2 | 0.5 |
| n66 | 0.5 |
|  |  |  |
|  |  |
|  |  |
|  |  |  |
|  |  |
|  |  |
| DC\_2-48\_n12 | 2 | 0.6 |
| 48 | 0.3 |
| n12 | 0.8 |
| DC\_2-48\_n66 | 2 | 0.6 |
| 48 | 0.8 |
| n66 | 0.6 |
| DC\_2-48\_n71 | 2 | 0.6 |
| 48 | 0.8 |
| n71 | 0.3 |
| DC\_2-66\_n5,  DC\_2A-2A-66A\_n5A,  DC\_2-66-66\_n5,  DC\_2A-2A-66A-66A\_n5A,  DC\_2-66-66-66\_n5 | 2 | 0.5 |
| 66 | 0.5 |
| n5 | 0.3 |
| DC\_2-66\_n12 | 2 | 0.5 |
| 66 | 0.5 |
| n12 | 0.8 |
| DC\_2-66\_n25 | 2 | 0.5 |
| 66 | 0.5 |
| n25 | 0.5 |
| DC\_2-66\_n38  DC\_2-2-66\_n38  DC\_2-66-66\_n38 | 2 | 0.5 |
| 66 | 0.5 |
| n38 | 0.9 |
| DC\_2-66\_n41 | 2 | 0.5 |
| 66 | 0.5 |
| n41 | 0.81 |
| 1.32 |
| DC\_2-66\_n48  DC\_2-66-66\_n48 | 2 | 0.6 |
| 66 | 0.6 |
| n48 | 0.8 |
| DC\_2-66\_n66 | 2 | 0.5 |
| 66 | 0.5 |
| n66 | 0.5 |
| DC\_2-66\_n71  DC\_2\_n66-n71 | 2 | 0.5 |
| 66 | 0.5 |
| n71 | 0.3 |
| DC\_2-66\_n78  DC\_2-66-66\_n78  DC\_2\_n66-n78 | 2 | 0.6 |
| 66 | 0.6 |
| n78 | 0.8 |
| DC\_2-71\_n38 DC\_2-2-71\_n38 | 2 | 0.5 |
| 71 | 0.3 |
| n38 | 0.5 |
| DC\_2-71\_n66 DC\_2-2-71\_n66 | 2 | 0,5 |
| 71 | 0.3 |
| n66 | 0.5 |
| DC\_2-71\_n78 DC\_2-2-71\_n78 | 2 | 0.6 |
| 71 | 0.6 |
| n78 | 0.8 |
| DC\_3\_n1-n7 | 3 | 0.6 |
| n1 | 0.6 |
| n7 | 0.6 |
| DC\_3\_n1-n28 | 3 | 0.3 |
| n1 | 0.3 |
| n28 | 0.6 |
| 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\_n1-n79 | 3 | 0.3 |
| n1 | 0.3 |
| n79 | 0.0 |
| 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 |
|  |  |
| DC\_3-7\_n1,  DC\_3-3-7\_n1,  DC\_3-7-7\_n1,  DC\_3-3-7-7\_n1 | 3 | 0.3 |
| 7 | 0.6 |
| n1 | 0.5 |
| DC\_3-7\_n5 | 3 | 0.5 |
| 7 | 0.5 |
| n5 | 0.3 |
| DC\_3-7\_n7 | 3 | 0.5 |
| 7 | 0.5 |
| n7 | 0.5 |
| DC\_3-7\_n8 | 3 | 0.5 |
| 7 | 0.5 |
| n8 | 0.6 |
| DC\_3-7\_n28 | 3 | 0.5 |
| 7 | 0.5 |
| n28 | 0.3 |
| DC\_3-7\_n40 | 3 | 0.6 |
| 7 | 0.8 |
| n40 | 0.9 |
|  |  |  |
|  |  |
|  |  |
| DC\_3-7\_n77  DC\_3-3-7\_n77  DC\_3-7-7\_n77  DC\_3-3-7-7\_n77 | 3 | 0.6 |
| 7 | 0.6 |
| n77 | 0.8 |
| 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\_n7-n78 | 3 | 0.6 |
| n7 | 0.6 |
| n78 | 0.8 |
| DC\_3-8\_n1  DC\_3-3-8\_n1 | 3 | 0.3 |
| 8 | 0.3 |
| n1 | 0.3 |
| DC\_3-8\_n28 | 3 | 0.3 |
| 8 | 0.6 |
| n28 | 0.5 |
| DC\_3-8\_n77 | 3 | 0.6 |
| 8 | 0.6 |
| n77 | 0.8 |
| DC\_3-8\_n78  DC\_3-3-8\_n78 | 3 | 0.6 |
| 8 | 0.6 |
| n78 | 0.8 |
| DC\_3-8\_n79 | 3 | 0.3 |
| 8 | 0.3 |
|  |  |
| 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 |
|  |  |
| 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\_n1 | 3 | 0.3 |
| 20 | 0.3 |
| n1 | 0.3 |
| DC\_3-20\_n7 | 3 | 0.5 |
| 20 | 0.3 |
| n7 | 0.5 |
| DC\_3-20\_n8 | 3 | 0.3 |
| 20 | 0.4 |
| n8 | 0.4 |
| DC\_3-20\_n28 | 3 | 0.3 |
| 20 | 0.5 |
| n28 | 0.5 |
| DC\_3-20\_n38 | 3 | 0.5 |
| 20 | 0.3 |
| n38 | 0.5 |
| DC\_3-20\_n41 | 3 | 0.5 |
| 20 | 0.3 |
| n41 | 0.51 |
| 1.22 |
| DC\_3-20\_n78 | 3 | 0.5 |
| 20 | 0.3 |
| n78 | 0.8 |
| DC\_3\_n20-n78 | 3 | 0.5 |
| n20 | 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\_n5 | 3 | 0.3 |
| 28 | 0.5 |
| n5 | 0.5 |
| DC\_3-28\_n7 | 3 | 0.5 |
| 28 | 0.3 |
| n7 | 0.5 |
| DC\_3-28\_n40 | 3 | 0.5 |
| 28 | 0.3 |
| n40 | 0.5 |
| DC\_3-28\_n41 | 3 | 0.5 |
| 28 | 0.5 |
| n41 | 0.31/0.82 |
| 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\_3-32\_n78 | 3 | 0.6 |
| n78 | 0.8 |
| DC\_3-38\_n78 | 3 | 0.6 |
| n78 | 0.8 |
| DC\_3-40\_n1 | 3 | 0.5 |
| 40 | 0.5 |
| n1 | 0.5 |
| DC\_3\_n40-n41 | 3 | 0.5 |
| n40 | 0.5 |
| n41 | 0.53 |
| 0.84 |
| DC\_3\_n40-n78 | 3 | 0.6 |
| n40 | 0.5 |
| n78 | 0.8 |
| DC\_3-41\_n28 | 3 | 0.5 |
| 41 | 0.31/0.82 |
| n28 | 0.3 |
| DC\_3-(n)41 | 3 | 0.5 |
| 41 | 0.33 |
| 0.84 |
| n41 | 0.33 |
| 0.84 |
| DC\_3-41\_n41 | 3 | 0.5 |
| 41 | 0.33 |
| 0.84 |
| n41 | 0.33 |
| 0.84 |
| 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 |
|  |  |
| DC\_3\_SUL\_n41-n80 | 3 | 0.5 |
| n41 | 0.33 |
| 0.84 |
| n80 | 0.5 |
| DC\_3-42\_n28 | 3 | 0.6 |
| 42 | 0.8 |
| n28 | 0.8 |
| DC\_3-42\_n77 | 3 | 0.6 |
| 42 | 0.8 |
| n77 | 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 |
|  |  |
| DC\_3\_SUL\_n77-n80 | 3 | 0.6 |
| n77 | 0.8 |
| n80 | 0.6 |
| DC\_3\_SUL\_n77-n84 | 3 | 0.6 |
| n77 | 0.8 |
| n84 | 0.6 |
| 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\_3\_SUL\_n78-n84 | 3 | 0.6 |
| n78 | 0.8 |
| n84 | 0.6 |
| DC\_5-7\_n71 | 5 | 0.5 |
| 7 | 0.3 |
| n71 | 0.6 |
| DC\_5-7\_n78, DC\_5-7-7\_n78, DC\_5\_n7-n78 | 5 | 0.6 |
| 7 or n7 | 0.6 |
| n78 | 0.8 |
| DC\_5\_(n)12 | 5 | 0.8 |
| 12 | 0.4 |
| n12 | 0.4 |
| DC\_5-13\_n2 | 5 | 0.5 |
| 13 | 0.5 |
| n2 | 0.3 |
| DC\_5-30\_n66 | 5 | 0.3 |
| 30 | 0.3 |
| n66 | 0.5 |
| DC\_5-41\_n79 | 5 | 0.3 |
| 41 | 0.3 |
|  |  |
| DC\_5-66\_n2  DC\_5-5-66\_n2  DC\_5-66-66\_n2  DC\_5-5-66-66\_n2 | 5 | 0.3 |
| 66 | 0.5 |
| n2 | 0.5 |
| DC\_5-66\_n5  DC\_5-66-66\_n5 | 5 | 0.3 |
| 66 | 0.3 |
| n5 | 0.3 |
| DC\_5-66\_n66  DC\_5-5-66\_n66  DC\_5-66-66\_n66  DC\_5-5-66-66\_n66 | 5 | 0.3 |
| 66 | 0.3 |
| n66 | 0.3 |
| DC\_5-66\_n71 | 5 | 0.5 |
| 66 | 0.3 |
| n71 | 0.5 |
| DC\_5-66\_n78 | 5 | 0.6 |
| 66 | 0.6 |
| n78 | 0.8 |
| DC\_5-66\_n5 | 5 | 0.3 |
| 66 | 0.3 |
| n5 | 0.3 |
| DC\_5-66\_n66 | 5 | 0.3 |
| 66 | 0.3 |
| n66 | 0.3 |
| DC\_7\_n1-n78 | 7 | 0.6 |
| n1 | 0.6 |
| n78 | 0.8 |
| DC\_7\_n3-n78 | 7 | 0.6 |
| n3 | 0.6 |
| n78 | 0.8 |
| DC\_7\_n7-n78 | 7 | 0.5 |
| n7 | 0.5 |
| n78 | 0.8 |
| DC\_7-8\_n1  DC\_7-7-8\_n1 | 7 | 0.6 |
| 8 | 0.6 |
| n1 | 0.5 |
| DC\_7-8\_n3 | 7 | 0.5 |
| 8 | 0.6 |
| n3 | 0.5 |
| DC\_7-8\_n77 | 7 | 0.5 |
| 8 | 0.6 |
| n77 | 0.8 |
| DC\_7-8\_n78  DC\_7-7-8\_n78 | 7 | 0.5 |
| 8 | 0.6 |
| n78 | 0.8 |
| DC\_7-13\_n66 | 7 | 0.5 |
| 13 | 0.3 |
| n66 | 0.5 |
| DC\_7-20\_n1 | 7 | 0.6 |
| 20 | 0.3 |
| n1 | 0.5 |
| DC\_7-20\_n3 | 7 | 0.5 |
| 20 | 0.3 |
| n3 | 0.5 |
| DC\_7-20\_n8 | 7 | 0.3 |
| 20 | 0.4 |
| n8 | 0.4 |
| 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\_n3 | 7 | 0.5 |
| 28 | 0.3 |
| n3 | 0.5 |
| DC\_7-28\_n5 | 7 | 0.3 |
| 28 | 0.5 |
| n5 | 0.5 |
| DC\_7-28\_n7 | 7 | 0.3 |
| 28 | 0.3 |
| n7 | 0.3 |
| DC\_7-28\_n40 | 7 | 0.5 |
| 28 | 0.3 |
| n40 | 0.6 |
| 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\_7-40\_n1 | 7 | 0.8 |
| 40 | 0.9 |
| n1 | 0.6 |
| DC\_7-46\_n78 | 7 | 0.5 |
| n78 | 0.8 |
| DC\_7-66\_n38 | 66 | 0.5 |
| DC\_7-66\_n66  DC\_7-7-66\_n66 | 7 | 0.5 |
| 66 | 0.5 |
| n66 | 0.5 |
| DC\_7-66\_n71 DC\_7-66-66\_n71 | 7 | 0.5 |
| 66 | 0.5 |
| n71 | 0.5 |
| DC\_7-66\_n78  DC\_7-7-66\_n78  DC\_7-66-66\_n78  DC\_7-7-66-66\_n78 | 7 | 0.5 |
| 66 | 0.5 |
|  |  |
| DC\_7\_n66-n78  DC\_7-7\_n66-n78 | 7 | 0.5 |
| n66 | 0.6 |
| n78 | 0.8 |
| DC\_7\_SUL\_n78-n80 | 7 | 0.6 |
| n80 | 0.6 |
| n78 | 0.8 |
| DC\_8\_n1-n78 | 8 | 0.6 |
| n1 | 0.3 |
| n78 | 0.8 |
| DC\_8\_n3-n28 | 8 | 0.6 |
| n3 | 0.3 |
| n28 | 0.5 |
| DC\_8-11\_n3 | 8 | 0.3 |
| 11 | 0.8 |
| n3 | 0.9 |
| DC\_8-11\_n77 | 8 | 0.6 |
| 11 | 0.4 |
| n77 | 0.8 |
| DC\_8-11\_n78 | 8 | 0.6 |
| 11 | 0.4 |
| n78 | 0.8 |
| DC\_8-20\_n78 | 8 | 0.6 |
| 20 | 0.6 |
| n78 | 0.8 |
| DC\_8-42\_n28 | 8 | 0.6 |
| 42 | 0.8 |
| n28 | 0.8 |
| DC\_8-42\_n77 | 8 | 0.6 |
| 42 | 0.8 |
| n77 | 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\_11-18\_n77 | 11 | 0.4 |
| 18 | 0.3 |
| n77 | 0.8 |
| DC\_11-18\_n78 | 11 | 0.4 |
| 18 | 0.3 |
| n78 | 0.8 |
| DC\_12\_(n)5 | 5 | 0.8 |
| 12 | 0.4 |
| n5 | 0.8 |
| DC\_12\_n7-n78 | 12 | 0.5 |
| n7 | 0.5 |
| n78 | 0.8 |
| DC\_12-30\_n2 | 12 | 0.3 |
| 30 | 0.3 |
| n2 | 0.5 |
| DC\_12-30\_n66 | 12 | 0.8 |
| 30 | 0.3 |
| n66 | 0.5 |
| DC\_13-46\_n5 | 13 | 0.5 |
| n5 | 0.5 |
| DC\_12-66\_n2 | 12 | 0.8 |
| 66 | 0.5 |
| n2 | 0.5 |
| DC\_12-66\_n25 | 12 | 0.8 |
| 66 | 0.5 |
| n25 | 0.5 |
| DC\_12-66\_n66 | 12 | 0.8 |
| 66 | 0.3 |
| n66 | 0.3 |
| DC\_13-48\_n2 | 13 | 0.3 |
| 48 | 0.8 |
| n2 | 0.6 |
| DC\_13-48\_n66 | 13 | 0.3 |
| 48 | 0.8 |
| n66 | 0.6 |
| DC\_13-66\_n2  DC\_13-66-66\_n2 | 13 | 0.3 |
| 66 | 0.5 |
| n2 | 0.5 |
| DC\_13-66\_n48  DC\_13-66-66\_n48 | 13 | 0.3 |
| 66 | 0.6 |
| n48 | 0.8 |
| DC\_13-66\_n66  DC\_13-66-66\_n66 | 13 | 0.3 |
| 66 | 0.3 |
| n66 | 0.3 |
| DC\_14-66\_n2 DC\_14-66-66\_n2 | 14 | 0.3 |
| 66 | 0.5 |
| n2 | 0.5 |
| DC\_14-66\_n66 | 14 | 0.3 |
| 66 | 0.3 |
| n66 | 0.3 |
| DC\_18\_n3-n78 | 18 | 0.3 |
| n3 | 0.6 |
| n78 | 0.8 |
| 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\_18-41\_n3 | 18 | 0.3 |
| 41 | 0.31/0.82 |
| n3 | 0.5 |
| DC\_18-41\_n77 | 18 | 0.3 |
| 41 | 0.3 |
| n77 | 0.8 |
| DC\_18-41\_n78 | 18 | 0.3 |
| 41 | 0.3 |
| n78 | 0.8 |
| 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 |
|  |  |
| 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 |
|  |  |
| DC\_19\_n78-n79 | 19 | 0.3 |
| n78 | 0.8 |
| n79 | 0.5 |
| DC\_20\_n1-n28 | 20 | 0.3 |
| n1 | 0.6 |
| n28 | 0.6 |
| DC\_20\_n1-n78 | 20 | 0.3 |
| n1 | 0.3 |
| n78 | 0.8 |
| DC\_20\_n3-n78 | 20 | 0.3 |
| n3 | 0.5 |
| n78 | 0.8 |
| 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\_20-32\_n78 | 20 | 0.5 |
| n78 | 0.8 |
| DC\_20-(n)38 | 20 | 0.3 |
| 38 | 0.3 |
| n38 | 0.3 |
| 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 |
|  |  |
| DC\_21\_n78-n79 | 21 | 0.4 |
| n78 | 0.8 |
| n79 | 0.5 |
| DC\_25-41\_n41  DC\_25\_(n)41  DC\_25-25-41\_n41  DC\_25-25\_(n)41 | 25 | 0.5 |
| 41 | 0.41 |
| 0.92 |
| n41 | 0.41 |
| 0.92 |
| DC\_28\_n3-n78 | 28 | 0.3 |
| n3 | 0.6 |
| n78 | 0.8 |
| DC\_28\_n7-n78 | 28 | 0.3 |
| n7 | 0.3 |
| n78 | 0.8 |
| DC\_28-41\_n77 | 28 | 0.5 |
| 41 | 0.3 |
| n77 | 0.8 |
| DC\_28-41\_n78 | 28 | 0.5 |
| 41 | 0.3 |
| n78 | 0.8 |
| DC\_28-41\_n79 | 28 | 0.3 |
| 41 | 0.3 |
| n79 | 0.8 |
| DC\_28\_n8-n78 | 28 | 0.5 |
| n8 | 0.6 |
| n78 | 0.3 |
| 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\_29-66\_n2  DC\_29-66-66\_n2 | 66 | 0.5 |
| n2 | 0.5 |
| DC\_30-66\_n2 | 30 | 0.3 |
| 66 | 0.5 |
| n2 | 0.5 |
| DC\_30-66\_n5, DC\_30-66-66\_n5, DC\_30-66-66-66\_n5 | 30 | 0.3 |
| 66 | 0.5 |
| n5 | 0.3 |
| 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 |
| 66 | 0.5 |
| n41 | 0.81 |
| 1.32 |
| 66 | 0.3 |
| n71 | 0.3 |
| DC\_46-66\_n5 | 66 | 0.3 |
| n5 | 0.3 |
| DC\_46-66\_n25 | 66 | 0.5 |
| n25 | 0.5 |
| DC\_48\_(n)5 | 5 | 0.3 |
| 48 | 0.3 |
| n5 | 0.3 |
| DC\_48\_(n)12 | 12 | 0.3 |
| n12 | 0.3 |
| 48 | 0.3 |
| DC\_48-66\_n12 | 48 | 0.8 |
| 66 | 0.6 |
| n12 | 0.3 |
| DC\_48-66\_n71 | 48 | 0.8 |
| 66 | 0.6 |
| n71 | 0.3 |
|  |  |  |
|  |  |
|  |  |
| DC\_48-66\_n5 | 48 | 0.8 |
| 66 | 0.6 |
| n5 | 0.3 |
| DC\_41-42\_n79 | 41 | 0. |
| 42 | 0.8 |
| DC\_66\_n7-n78 | 66 | 0.6 |
| n7 | 0.5 |
| n78 | 0.8 |
| DC\_66\_(n)12 | 12 | 0.8 |
| n12 | 0.8 |
| 66 | 0.5 |
| DC\_66\_n25-n41 | 66 | 0.5 |
| n25 | 0.5 |
| n41 | 0.81 |
| 1.32 |
| DC\_66\_n25-n71 | 66 | 0.5 |
| n25 | 0.5 |
| n71 | 0.3 |
| DC\_66\_n41-n71 | 66 | 0.5 |
| n41 | 0.81 |
| 1.32 |
| n71 | 0.6 |
| DC\_66\_n66-n78 | 66 | 0.6 |
| n66 | 0.6 |
| n78 | 0.8 |
| DC\_66\_(n)71 | 66 | 0.3 |
| 71 | 0.3 |
| n71 | 0.3 |
| DC\_66-71\_n38 | 66 | 0.5 |
| 71 | 0.5 |
| n38 | 0.8 |
| DC\_66-71\_n66 | 66 | 0.3 |
| 71 | 0.3 |
| n66 | 0.3 |
| DC\_66-71\_n78 | 66 | 0.6 |
| 71 | 0.6 |
| n78 | 0.8 |
| 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 - 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. | | |

###### *------------------------------ Modified section -----------------------------*

###### 7.3B.2.3.5.2 MSD test points 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: MSD test points for Pcell due to dual uplink operation for EN-DC in NR FR1 (three bands)

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

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

| **NR or E-UTRA Band / Channel bandwidth / NRB / MSD** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **EN-DC Configuration** | **EUTRA / NR band** | **UL Fc  (MHz)** | **UL/DL BW  (MHz)** | **UL**  **LCRB** | **DL Fc (MHz)** | **MSD  (dB)** | **IMD order** |
| DC\_1A-3A\_n28A  DC\_1A-3C\_n28A | 1 | 1975 | 5 | 25 | 2165 | N/A | N/A |
| n28 | 710.5 | 5 | 25 | 765.5 | N/A | N/A |
| 3 | 1723.5 | 5 | 25 | 1818.5 | 4.0 | IMD5 |
| DC\_1A\_n3A-n28A | 1 | 1975 | 5 | 25 | 2165 | N/A | N/A |
| n28 | 710.5 | 5 | 25 | 765.5 | N/A | N/A |
| n3 | 1723.5 | 5 | 25 | 1818.5 | 4.0 | IMD5 |
| DC\_1A-3A\_n28A  DC\_1A-3C\_n28A | 3 | 1780 | 5 | 25 | 1875 | N/A | N/A |
| n28 | 710.5 | 5 | 25 | 765.5 | N/A | N/A |
| 1 | 1949 | 5 | 25 | 2139 | 11.0 | IMD4 |
| DC\_1A-3A\_n71A  DC\_1A-3A\_n71B | 1 | 1960 | 5 | 25 | 2150 | 5 | IMD4 |
| 3 | 1750 | 5 | 25 | 1845 | N/A | N/A |
| n71 | 675 | 5 | 25 | 629 | N/A | N/A |
| DC\_1A-7A\_n28A  DC\_1A-7C\_n28A | 1 | 1935 | 5 | 25 | 2125 | N/A | N/A |
| n28 | 718 | 5 | 25 | 773 | N/A | N/A |
| 7 | 2533 | 10 | 50 | 2653 | 30.0 | IMD2 |
| DC\_1A-7A\_n40A | 1 | 1970 | 5 | 25 | 2160 | N/A | N/A |
| 7 | 2510 | 5 | 25 | 2630 | 23 | IMD3 |
| n40 | 2390 | 5 | 25 | 2390 | N/A | N/A |
| 1 | 1930 | 5 | 25 | 2120 | 16.4 | IMD3 |
| 7 | 2530 | 5 | 25 | 2650 | N/A | N/A |
| n40 | 2310 | 5 | 25 | 2310 | N/A | N/A |
| DC\_1A-3A\_n77A | 1 | 1950 | 5 | 25 | 2140 | N/A | N/A |
| 3 | 1712.5 | 5 | 25 | 1807.5 | 31.5 | IMD2 |
| n77 | 3757.5 | 10 | 50 | 3757.5 | N/A | N/A |
| 1 | 1950 | 5 | 25 | 2140 | N/A | N/A |
| 3 | 1775 | 5 | 25 | 1870 | 8.5 | IMD4 |
| n77 | 3980 | 10 | 50 | 3980 | N/A | N/A |
| 1 | 1950 | 5 | 25 | 2140 | 31.0 | IMD2 |
| 3 | 1775 | 5 | 25 | 1870 | N/A | N/A |
| n77 | 3915 | 10 | 50 | 3915 | N/A | N/A |
| DC\_1A-3A\_n78A  DC\_1A-3C\_n78A  DC\_1A-3A\_n78(2A)  DC\_1A-3C\_n78(2A) | 1 | 1950 | 5 | 25 | 2140 | N/A | N/A |
| 3 | 1712.5 | 5 | 25 | 1807.5 | 31.2 | IMD2  |fn78-fB1| |
| n78 | 3757.5 | 10 | 50 | 3757.5 | N/A | N/A |
| 1 | 1935 | 5 | 25 | 2125 | 2.8 | IMD5  |2\*fn78-3\*fB3| |
| 3 | 1775 | 5 | 25 | 1870 | N/A | N/A |
| n78 | 3725 | 10 | 50 | 3725 | N/A | N/A |
| DC\_1A\_n3A-n78A | 1 | 1950 | 5 | 25 | 2140 | N/A | N/A |
| n3 | 1750 | 5 | 25 | 1845 | N/A | N/A |
| n78 | 3700 | 10 | 50 | 3700 | 28.4 | IMD2  |fB1+fn3| |
| 1 | 1950 | 5 | 25 | 2140 | N/A | N/A |
| n3 | 1735 | 5 | 25 | 1830 | 27.9 | IMD2  |fn78-fB1| |
| n78 | 3780 | 10 | 50 | 3780 | N/A | N/A |
| DC\_1A-5A\_n78A | 1 | 1932 | 5 | 25 | 2122 | 18.1 | IMD3  |fn78-2\*fB5| |
| 5 | 829 | 5 | 25 | 874 | N/A | N/A |
| n78 | 3780 | 10 | 50 | 3780 | N/A | N/A |
| 1 | 1975 | 5 | 25 | 2165 | N/A | N/A |
| 5 | 840 | 5 | 25 | 885 | 3.1 | IMD5  |2\*fn78-3\*fB1| |
| n78 | 3405 | 10 | 50 | 3405 | N/A | N/A |
| DC\_1A-7A\_n78A  DC\_1A-7C\_n78A  DC\_1A-7A\_n78(2A)  DC\_1A-7C\_n78(2A) | 1 | 1977.5 | 5 | 25 | 2167.5 | N/A | N/A |
| 7 | 2507.5 | 5 | 25 | 2627.5 | 9.1 | IMD4  |fn78-3\*fB1| |
| n78 | 3305 | 10 | 50 | 3305 | N/A | N/A |
| 1 | 1950 | 5 | 25 | 2140 | 8.7 | IMD4  |2\*fn78-2\*fB7| |
| 7 | 2510 | 10 | 50 | 2630 | N/A | N/A |
| n78 | 3580 | 10 | 50 | 3580 | N/A | N/A |
| DC\_1A\_n7A-n78A  DC\_1A\_n7B-n78A | 1 | 1977.5 | 5 | 25 | 2167.5 | N/A | N/A |
| n7 | 2507.5 | 5 | 25 | 2627.5 | 9.1 | IMD4  |fn78 -3\*fB1| |
| n78 | 3305 | 10 | 50 | 3305 | N/A | N/A |
| 1 | 1970 | 5 | 25 | 2160 | N/A | N/A |
| n7 | 2520 | 5 | 25 | 2640 | N/A | N/A |
| n78 | 3390 | 10 | 50 | 3390 | 10.1 | IMD4  |fB7 -3\*fB1| |
| DC\_1A-3A\_n79A | 1 | 1950 | 5 | 25 | 2140 | 3.6 | IMD5 |
| 3 | 1750 | 5 | 25 | 1845 | N/A | N/A |
| n79 | 4860 | 40 | 216 | 4860 | N/A | N/A |
| DC\_1A-5A\_n79A | 1 | 1950 | 5 | 25 | 2140 | N/A | N/A |
| 5 | 837.5 | 5 | 25 | 882.5 | 18.3 | IMD3 |
| n79 | 4782.5 | 40 | 216 | 4782.5 | N/A | N/A |
| 1 | 1930 | 5 | 25 | 2120 | N/A | N/A |
| 5 | 837.5 | 5 | 25 | 882.5 | 8.9 | IMD4 |
| n79 | 4907.5 | 40 | 216 | 4907.5 | N/A | N/A |
| 1 | 1950 | 5 | 25 | 2140 | 8.1 | IMD4 |
| 5 | 837.5 | 5 | 25 | 882.5 | N/A | N/A |
| n79 | 4652.5 | 40 | 216 | 4652.5 | N/A | N/A |
| DC\_1A-8A\_n28A | 1 | 1970 | 5 | 25 | 2160 | N/A | N/A |
| n28 | 730 | 5 | 25 | 785 | N/A | N/A |
| 8 | 905 | 5 | 25 | 950 | 3.3 | IMD5 |
| DC\_1A-8A\_n77A | 1 | 1955 | 5 | 25 | 2145 | N/A | N/A |
| n77 | 3410 | 10 | 50 | 3410 | N/A | N/A |
| 8 | 910 | 5 | 25 | 955 | 3.3 | IMD5 |
| DC\_1A-8A\_n77A | 8 | 910 | 5 | 25 | 955 | N/A | N/A |
| n77 | 3960 | 10 | 50 | 3960 | N/A | N/A |
| 1 | 1950 | 5 | 25 | 2140 | 14.4 | IMD3 |
| DC\_1A\_n8A-n78A | 1 | 1945 | 5 | 25 | 2135 | N/A | N/A |
| n8 | 900 | 5 | 25 | 945 | N/A | N/A |
| n78 | 3745 | 10 | 52 | 3745 | 14.9 | IMD3  |2\*fn8+fB1| |
| 1 | 1940 | 5 | 25 | 2130 | N/A | N/A |
| n8 | 895 | 5 | 25 | 940 | 3.3 | IMD5  |2\*fn78-3\*fB1| |
| n78 | 3380 | 10 | 52 | 3330 | N/A | N/A |
| DC\_1A-8A\_n79A | 1 | 1935 | 5 | 25 | 2125 | N/A | N/A |
| n79 | 4815 | 40 | 216 | 4815 | N/A | N/A |
| 8 | 900 | 5 | 25 | 945 | 15.8 | IMD3 |
| DC\_1A-8A\_n79A | 8 | 900 | 5 | 25 | 945 | N/A | N/A |
| n79 | 4845 | 40 | 216 | 4845 | N/A | N/A |
| 1 | 1955 | 5 | 25 | 2145 | 8.2 | IMD4 |
| DC\_1A-11A\_n3A | 1 | 1960 | 5 | 25 | 2150 | N/A | N/A |
| n3 | 1720 | 5 | 25 | 1815 | N/A | N/A |
| 11 | 1432 | 5 | 25 | 1480 | 15.2 | IMD3 |
| DC\_1A-11A\_n77A | 1 | 1955 | 5 | 25 | 2145 | N/A | N/A |
| n77 | 3441 | 10 | 50 | 3441 | N/A | N/A |
| 11 | 1438 | 5 | 25 | 1486 | 31.4 | IMD2 |
| DC\_1A-11A\_n77A | 11 | 1438 | 5 | 25 | 1486 | N/A | N/A |
| n77 | 3578 | 10 | 50 | 3578 | N/A | N/A |
| 1 | 1950 | 5 | 25 | 2140 | 30.8 | IMD2 |
| DC\_1A-11A\_n78A | 1 | 1955 | 5 | 25 | 2145 | N/A | N/A |
| n78 | 3441 | 10 | 50 | 3441 | N/A | N/A |
| 11 | 1438 | 5 | 25 | 1486 | 31.4 | IMD2 |
| DC\_1A-11A\_n78A | 11 | 1438 | 5 | 25 | 1486 | N/A | N/A |
| n78 | 3578 | 10 | 50 | 3578 | N/A | N/A |
| 1 | 1950 | 5 | 25 | 2140 | 30.8 | IMD2 |
| DC\_1A-18A\_n77A | 1 | 1930 | 5 | 25 | 2120 | 16.4 | IMD3 |
| 18 | 825 | 5 | 25 | 870 | N/A | N/A |
| n77 | 3770 | 10 | 50 | 3770 | N/A | N/A |
| DC\_1A-18A\_n78A | 1 | 1930 | 5 | 25 | 2120 | 16.4 | IMD3 |
| 18 | 819 | 5 | 25 | 864 | N/A | N/A |
| n78 | 3758 | 10 | 50 | 3758 | N/A | N/A |
| DC\_1A-18A\_n79A | 1 | 1935 | 5 | 25 | 2125 | N/A | N/A |
| 18 | 822.5 | 5 | 25 | 867.5 | 18.3 | IMD3 |
| n79 | 4737.5 | 40 | 216 | 4737.5 | N/A | N/A |
| 1 | 1930 | 5 | 25 | 2120 | N/A | N/A |
| 18 | 820 | 5 | 25 | 865 | 8.9 | IMD4 |
| n79 | 4925 | 40 | 216 | 4925 | N/A | N/A |
| 1 | 1935 | 5 | 25 | 2125 | 8.1 | IMD4 |
| 18 | 822.5 | 5 | 25 | 867.5 | N/A | N/A |
| n79 | 4592.5 | 40 | 216 | 4592.5 | N/A | N/A |
| DC\_1A-19A\_n77A  DC\_1A-19A\_n78A | 1 | 1940 | 5 | 25 | 2130 | 17.8 | IMD3 |
| 19 | 832.5 | 5 | 25 | 877.5 | N/A | N/A |
| n77, n78 | 3795 | 10 | 50 | 3795 | N/A | N/A |
| DC\_1A-20A\_n8A | 1 | 1925 | 5 | 25 | 2115 | N/A | N/A |
| n8 | 910 | 5 | 25 | 955 | N/A | N/A |
| 20 | 846 | 5 | 25 | 805 | 11.5 | IMD4 |
| DC\_1A-28A\_n3A | 28 | 710.5 | 5 | 25 | 765.5 | N/A | N/A |
| n3 | 1780 | 5 | 25 | 1875 | N/A | N/A |
| 1 | 1949 | 5 | 25 | 2139 | 11.0 | IMD4 |
| DC\_1A-28A\_n7A  DC\_1A-1A-28A\_n7A  DC\_1A-28A\_n7B  DC\_1A-1A-28A\_n7B | 1 | 1935 | 5 | 25 | 2125 | N/A | N/A |
| 28 | 730 | 10 | 50 | 785 | 4.5 | IMD5 |
| n7 | 2510 | 10 | 50 | 2630 | N/A | N/A |
| DC\_1A-19A\_n79A | 1 | 1950 | 5 | 25 | 2140 | N/A | N/A |
| 19 | 837.5 | 5 | 25 | 882.5 | 18.3 | IMD3 |
| n79 | 4782.5 | 40 | 216 | 4782.5 | N/A | N/A |
| 1 | 1950 | 5 | 25 | 2140 | 8.1 | IMD4 |
| 19 | 837.5 | 5 | 25 | 882.5 | N/A | N/A |
| n79 | 4652.5 | 40 | 216 | 4652.5 | N/A | N/A |
| DC\_1A-20A\_n78A | 1 | 1930 | 5 | 25 | 2120 | 20.3 | IMD3 |
| 20 | 835 | 5 | 25 | 794 | N/A | N/A |
| n78 | 3790 | 10 | 50 | 3790 | N/A | N/A |
| DC\_1A-20A\_n78A | 1 | 1950 | 5 | 25 | 2140 | N/A | N/A |
| 20 | 851 | 5 | 25 | 810 | 3.0 | IMD5 |
| n78 | 3330 | 10 | 50 | 3330 | N/A | N/A |
| DC\_1A-21A\_n77A  DC\_1A-21A\_n78A | 1 | 1964.6 | 5 | 25 | 2154.6 | 30.6 | IMD2 |
| 21 | 1450.4 | 5 | 25 | 1498.4 | N/A | N/A |
| n77, n78 | 3605 | 10 | 50 | 3605 | N/A | N/A |
| 1 | 1950 | 5 | 25 | 2140 | N/A | N/A |
| 21 | 1452 | 5 | 25 | 1500 | 2.9 | IMD5 |
| n77, n78 | 3675 | 10 | 50 | 3675 | N/A | N/A |
| DC\_1A-28A\_n40A | 1 | 1950 | 5 | 25 | 2140 | N/A | N/A |
| 28 | 725 | 5 | 25 | 780 | 8.9 | IMD4 |
| n40 | 2340 | 5 | 25 | 2340 | N/A | N/A |
| DC\_1A-28A\_n77A | 1 | 1960 | 5 | 25 | 2150 | 15.8 | IMD3 |
| 28 | 740 | 5 | 25 | 795 | N/A | N/A |
| n77 | 3630 | 10 | 50 | 3630 | N/A | N/A |
| DC\_1A-28A\_n77A | 1 | 1960 | 5 | 25 | 2150 | N/A | N/A |
| 28 | 725 | 5 | 25 | 780 | 4.3 | IMD5 |
| n77 | 3330 | 10 | 50 | 3330 | N/A | N/A |
| DC\_1A-28A\_n78A | 1 | 1960 | 5 | 25 | 2150 | 15.7 | IMD3 |
| 28 | 740 | 5 | 25 | 795 | N/A | N/A |
| n78 | 3630 | 10 | 50 | 3630 | N/A | N/A |
| DC\_1A-28A\_n78A | 1 | 1970 | 5 | 25 | 2160 | N/A | N/A |
| 28 | 739 | 5 | 25 | 794 | 4.2 | IMD5 |
| n78 | 3352 | 10 | 50 | 3352 | N/A | N/A |
| DC\_1A\_n28A-n78A | 1 | 1950 | 5 | 25 | 2140 | N/A | N/A |
| n28 | 733 | 5 | 25 | 788 | N/A | N/A |
| n78 | 3416 | 10 | 50 | 3416 | 15.7 | IMD3 |
| 1 | 1950 | 5 | 25 | 2140 | N/A | N/A |
| n78 | 3320 | 10 | 50 | 3320 | N/A | N/A |
| n28 | 735 | 5 | 25 | 790 | 3.3 | IMD5 |
| DC\_1A-28A\_n79A | 1 | 1930 | 5 | 25 | 2120 | N/A | N/A |
| 28 | 733 | 5 | 25 | 788 | 15.2 | IMD3 |
| n79 | 4648 | 40 | 216 | 4648 | N/A | N/A |
| 1 | 1925 | 5 | 25 | 2115 | N/A | N/A |
| 28 | 740 | 5 | 25 | 795 | 10.0 | IMD4 |
| n79 | 4980 | 40 | 216 | 4980 | N/A | N/A |
| 1 | 1977.5 | 5 | 25 | 2167.5 | 1.2 | IMD4 |
| 28 | 745.5 | 5 | 25 | 800.5 | N/A | N/A |
| n79 | 4420 | 40 | 216 | 4420 | N/A | N/A |
| 1 | 1935 | 5 | 25 | 2125 | 4.5 | IMD5 |
| 28 | 718 | 5 | 25 | 773 | N/A | N/A |
| n79 | 4807 | 40 | 216 | 4807 | N/A | N/A |
| DC\_1A-32A\_n78A  DC\_1A-32A\_n78(2A) | 1 | 1930 | 5 | 25 | 2120 | N/A | N/A |
| 32 | N/A | 5 | 25 | 1470 | 31.8 | IMD2 |
| n78 | 3400 | 10 | 50 | 3400 | N/A | N/A |
| 1 | 1930 | 5 | 25 | 2120 | N/A | N/A |
| 32 | N/A | 5 | 25 | 1470 | 0 | IMD5 |
| n78 | 3630 | 10 | 50 | 3630 | N/A | N/A |
| DC\_1A\_n40A-n78A | 1 | 1930 | 5 | 25 | 2120 | N/A | N/A |
| n40 | 2340 | 5 | 25 | 2340 | N/A | N/A |
| n78 | 3450 | 10 | 50 | 3450 | 9.8 | IMD4 |3\*fB1-fn40| |
| 1 | 1960 | 5 | 25 | 2150 | N/A | N/A |
| n40 | 2360 | 5 | 25 | 2360 | 10.6 | IMD4 |3\*fB1 -fn78| |
| n78 | 3520 | 10 | 50 | 3520 | N/A | N/A |
| DC\_1A-41A\_n3A  DC\_1A-41C\_n3A | 1 | 1977.5 | 5 | 25 | 2167.5 | N/A | N/A |
| n3 | 1712.5 | 5 | 25 | 1807.5 | N/A | N/A |
| 41 | 2507.5 | 5 | 25 | 2507.5 | 5.0 | IMD5  |3\*fB1-2\*fn3| |
| DC\_1A-41A\_n28A | 1 | 1935 | 5 | 25 | 2125 | N/A | N/A |
| n28 | 718 | 5 | 25 | 773 | N/A | N/A |
| 41 | 2653 | 10 | 50 | 2653 | 30 | IMD2  |fB1+fBn28| |
| DC\_1A-41A\_n77A  DC\_1A-41C\_n77A  DC\_1A-41A\_n77(2A)  DC\_1A-41C\_n77(2A) | 1 | 1970 | 5 | 25 | 2160 | N/A | N/A |
| n77 | 3400 | 10 | 50 | 3400 |  |
| 41 | 2510 | 5 | 25 | 2510 | 11.0 | IMD4 |
| 1 | 1930 | 5 | 25 | 2120 | N/A | N/A |
| n77 | 4150 | 10 | 50 | 4150 |  |
| 41 | 2510 | 5 | 25 | 2510 | 3.6 | IMD5 |
| DC\_1A-41A\_n78A  DC\_1A-41C\_n78A  DC\_1A-41A\_n78(2A)  DC\_1A-41C\_n78(2A) | 1 | 1975 | 5 | 25 | 2165 | N/A | N/A |
| 41 |  | 5 | 25 | 2515 | 12 | IMD4 |
| n78 | 3410 | 10 | 50 | 3410 | N/A | N/A |
| DC\_1A-41A\_n79A | 1 | 1970 | 5 | 25 | 2160 | N/A | N/A |
| n79 | 4500 | 40 | 216 | 4500 |  |
| 41 | 2530 | 5 | 25 | 2530 | 29.4 | IMD2 |
| DC\_1A-42A\_n28A | 1 | 1950 | 5 | 25 | 2140 | N/A | N/A |
| n28 | 733 | 5 | 25 | 788 | N/A | N/A |
| 42 | 3416 | 5 | 25 | 3416 | 15.7 | IMD3 |
| DC\_1A-42A\_n28A | 42 | 3580 | 5 | 25 | 3580 | N/A | N/A |
| n28 | 723 | 5 | 25 | 778 | N/A | N/A |
| 1 | 1944 | 5 | 25 | 2134 | 15.7 | IMD3 |
| DC\_1A-42A\_n79A | 1 | 1977.5 | 5 | 25 | 2167.5 | N/A | N/A |
| n79 | 4420 | 40 | 216 | 4420 |  |  |
| 42 | 3490 | 5 | 25 | 3490 | 4.8 | IMD5 |
| 42 | 3402.5 | 5 | 25 | 3402.5 | N/A | N/A |
| n79 | 4640 | 40 | 216 | 4640 |  |  |
| 1 | 1975 | 5 | 25 | 2165 | 15.5 | IMD3 |
| 42 | 3450 | 5 | 25 | 3450 | N/A | N/A |
| n79 | 4520 | 40 | 216 | 4520 |  |  |
| 1 | 1950 | 5 | 25 | 2140 | 9.3 | IMD4 |
| DC\_1A-SUL\_n77A-n80A | 1 | 1950 | 5 | 25 | 2140 | 23 | IMD3 |
| n80 | 1760 | 5 | 25 |  | N/A | N/A |
| DC\_1A-SUL\_n77A-n80A | 1 | 1922.5 | 5 | 25 | 2112.5 | N/A | N/A |
| n80 | 1782.5 | 5 | 25 |  | N/A | N/A |
| n78 | 3425 | 10 | 50 | 3425 | 13.0 | IMD4 |
| DC\_1A\_n78A-n79A | 1 | 1950 | 5 | 25 | 2140 | N/A | N/A |
| n78 | 3410 | 10 | 50 | 3410 | N/A | N/A |
| n79 | 4870 | 40 | 216 | 4870 | 15.9 | IMD3 |
| 1 | 1950 | 5 | 25 | 2140 | N/A | N/A |
| n79 | 4670 | 40 | 216 | 4670 | N/A | N/A |
| n78 | 3490 | 10 | 50 | 3490 | 4.6 | IMD5 |
| DC\_1A\_SUL\_n78A-n80A | 1 | 1950 | 5 | 25 | 2140 | 23 | IMD3 |
| n80 | 1760 | 5 | 25 |  | N/A | N/A |
| 1 | 1922.5 | 5 | 25 | 2112.5 | N/A | N/A |
| n80 | 1782.5 | 5 | 25 |  | N/A | N/A |
| n78 | 3425 | 10 | 50 | 3425 | 13.0 | IMD4 |
| DC\_2A-4A\_n41A | 2 | 1860 | 5 | 25 | 1940 | 11.0 | IMD4  |2\*fBn41-2\*fB4| |
| 4 | 1715 | 5 | 25 | 2115 | N/A | N/A |
| n41 | 2685 | 10 | 50 | 2685 | N/A | N/A |
| DC\_2A-5A\_n71A | 2 | 1855 | 5 | 25 | 1935 | N/A | N/A |
| n71 | 686.5 | 5 | 25 | 640.5 | N/A | N/A |
| 5 | 846.5 | 5 | 25 | 891.5 | 4.2 | IMD5 |
| DC\_2A-7A\_n78A  DC\_2A-7C\_n78A  DC\_2A-7A-7A\_n78A  DC\_2A-7A\_n78(2A)  DC\_2A-7C\_n78(2A)  DC\_2A-7A-7A\_n78(2A) | 2 | 1870 | 5 | 25 | 1950 | 8.6 | IMD4  |2\*fn78-2\*fB7| |
| 7 | 2550 | 5 | 25 | 2685 | N/A | N/A |
| n78 | 3525 | 10 | 50 | 3475 | N/A | N/A |
| DC\_2A\_n7A-n78A | 2 | 1900 | 5 | 25 | 1980 | N/A | N/A |
| n7 | 2525 | 5 | 25 | 2645 | N/A | N/A |
| n78 | 3775 | 10 | 50 | 3775 | 4.2 | IMD5  |2\*fB2 -3\*fn7| |
| DC\_2A-13A\_n66A  DC\_2A-2A-13A\_n66A | 2 | 1860 | 5 | 25 | 1940 | 6.2 | IMD4  |2\*fn66-2\*fB13| |
| 13 | 780 | 10 | 50 | 749 | N/A | N/A |
| n66 | 1750 | 5 | 25 | 2150 | N/A | N/A |
| DC\_2A-14A\_n66A | 2 | 1874 | 5 | 25 | 1954 | 7.2 | IMD4 |
| 14 | 793 | 5 | 25 | 763 | N/A | N/A |
| 66 | 1770 | 5 | 25 | 2170 | N/A | N/A |
| DC\_2A\_n41A-n71A | 2 | 1900 | 5 | 25 | 1980 | N/A | N/A |
| n41 | 2530 | 10 | 50 | 2530 | N/A | N/A |
| n71 | 676 | 5 | 50 | 630 | 28.7 | IMD2 |
| 2 | 1900 | 5 | 25 | 1980 | N/A | N/A |
| n41 | 2586 | 10 | 50 | 2586 | 29.2 | IMD2 |
| n71 | 686 | 5 | 50 | 640 | N/A | N/A |
| DC\_2A-46A\_n66A5  DC\_2A-46C\_n66A5  DC\_2A-46D\_n66A5 | 2 | N/A | N/A | N/A | N/A | N/A |  |
| 46 | N/A | N/A | N/A | N/A | N/A | IMD3,  IMD5 |
| n66 | N/A | N/A | N/A | N/A | N/A |  |
| DC\_2A-48A\_n66A | 2 | 1880 | 5 | 25 | 1960 | N/A | N/A |
| 48 | 3620 | 10 | 50 | 3620 | 29.4 | IMD2  |fB2+Bn66| |
| n66 | 1740 | 5 | 25 | 2140 | N/A | N/A |
| 2 | 1880 | 5 | 25 | 1960 | 28.3 | IMD2  |fBn48-fB66| |
| 48 | 3695 | 5 | 25 | 3695 | N/A | N/A |
| n66 | 1735 | 5 | 25 | 2135 | N/A | N/A |
| DC\_2A-66A\_n5A | 2 | 1900 | 5 | 25 | 1980 | N/A | N/A |
| 66 | 1740 | 5 | 25 | 2140 | 7.2 | IMD4 |
| n5 | 830 | 5 | 25 | 875 | N/A | N/A |
| DC\_2A-66A\_n25A | 2 | 1855 | 5 | 25 | 1935 | 20 | IMD3 |
| 66 | 1775 | 5 | 25 | 2175 | N/A | N/A |
| n25 | 1855 | 5 | 25 | 1935 | 20 | IMD3 |
| 2 | 1883.3 | 5 | 25 | 1963.3 | N/A | N/A |
| 66 | 1750 | 5 | 25 | 2150 | 4 | IMD5 |
| n25 | 1883.3 | 5 | 25 | 1963.3 | N/A | N/A |
| 2 | 1883.3 | 5 | 25 | 1963.3 | N/A | N/A |
| 66 | 1712.5 | 5 | 25 | 2112.5 | 23 | IMD3 |
| n25 | 1912.5 | 5 | 25 | 1992.5 | N/A | N/A |
| DC\_2A-66A\_n41A | 2 | 1860 | 5 | 25 | 1940 | 11.0 | IMD4  |2\*fBn41-2\*fB66| |
| 66 | 1715 | 5 | 25 | 2115 | N/A | N/A |
| n41 | 2685 | 5 | 25 | 2685 | N/A | N/A |
| DC\_2A-66A\_n48A  DC\_2A-66A\_n48B  DC\_2A-66A-66A\_n48A  DC\_2A-66A-66A\_n48B | 2 | 1905 | 5 | 25 | 1985 | N/A | N/A |
| 66 | 1755 | 5 | 25 | 2155 | 12.1 | IMD4  |3\*fB2-fBn48| |
| n48 | 3560 | 5 | 25 | 3560 | N/A | N/A |
| DC\_2A-66A\_n48A  DC\_2A-66A\_n48B  DC\_2A-66A-66A\_n48A  DC\_2A-66A-66A\_n48B | 2 | 1880 | 5 | 25 | 1960 | 28.3 | IMD5  |2\*fBn48-3\*fB66| |
| 66 | 1735 | 5 | 25 | 2135 | N/A | N/A |
| n48 | 3695 | 5 | 25 | 3695 | N/A | N/A |
| DC\_2A-66A\_n78A  DC\_2A-66A\_n78(2A)  DC\_2A-66A-66A\_n78A  DC\_2A-66A-66A\_n78(2A)  DC\_2A\_n66A-n78A | 2 | 1880 | 5 | 25 | 1960 | N/A | N/A |
| 66/n66 | 1760 | 5 | 25 | 2160 | 10.3 | IMD4  |3\*fB2-fBn78| |
| n78 | 3480 | 10 | 50 | 3480 | N/A | N/A |
| DC\_2A-66A\_n78A  DC\_2A-66A\_n78(2A)  DC\_2A-66A-66A\_n78A  DC\_2A-66A-66A\_n78(2A) | 2 | 1880 | 5 | 25 | 1960 | 32.1 | IMD2  |fBn78-fB66| |
| 66 | 1740 | 5 | 25 | 2140 | N/A | N/A |
| n78 | 3700 | 10 | 50 | 3700 | N/A | N/A |
| DC\_2A-66A\_n78A  DC\_2A-66A\_n78(2A)  DC\_2A-66A-66A\_n78A  DC\_2A-66A-66A\_n78(2A) | 2 | 1880 | 5 | 25 | 1960 | 9.1 | IMD4  |3\*fB66-fBn78| |
| 66 | 1770 | 5 | 25 | 2170 | N/A | N/A |
| n78 | 3350 | 10 | 50 | 3350 | N/A | N/A |
| DC\_2A-66A\_n78A  DC\_2A-66A\_n78(2A)  DC\_2A-66A-66A\_n78A  DC\_2A-66A-66A\_n78(2A) | 2 | 1880 | 5 | 25 | 1960 | 2.1 | IMD5  |2\*fBn78-3\*fB66| |
| 66 | 1760 | 5 | 25 | 2160 | N/A | N/A |
| n78 | 3620 | 10 | 50 | 3620 | N/A | N/A |
| DC\_2A\_n66A-n78A | 2 | 1880 | 5 | 25 | 1960 | N/A | N/A |
| n66 | 1740 | 5 | 25 | 2140 | N/A | N/A |
| n78 | 3620 | 10 | 50 | 3620 | 29.4 | IMD2  |fB2+fn66| |
| 2 | 1880 | 5 | 25 | 1960 | N/A | N/A |
| n66 | 1740 | 5 | 25 | 2140 | N/A | N/A |
| n78 | 3340 | 10 | 50 | 3340 | 8.9 | IMD4  |fB2 -3\*fn66| |
| DC\_2A-71A\_n38A DC\_2A-2A-71A\_n38A | 2 | 1862 | 5 | 25 | 1942 | 26 | IMD2 |
| 71 | 668 | 5 | 25 | 622 | N/A | N/A |
| n38 | 2610 | 10 | 50 | 2610 | N/A | N/A |
| DC\_2A-71A\_n78A DC\_2A-2A-71A\_n78A | 2 | 1874 | 5 | 25 | 1954 | 16.5 | IMD3 |
| 71 | 693 | 5 | 25 | 647 | N/A | N/A |
| n78 | 3340 | 10 | 50 | 3340 | N/A | N/A |
| DC\_3A\_n1A-n28A  DC\_3C\_n1A-n28A | 3 | 1780 | 5 | 25 | 1875 | N/A | N/A |
| n28 | 710.5 | 5 | 25 | 765.5 | N/A | N/A |
| n1 | 1949 | 5 | 25 | 2139 | 11.0 | IMD4 |
| DC\_3A\_n1A-n77A | 3 | 1750 | 5 | 25 | 1845 | N/A | N/A |
| n1 | 1950 | 5 | 25 | 2140 | N/A | N/A |
| n77 | 3700 | 10 | 50 | 3700 | 28.4 | IMD2  |fB3+fn1| |
| 3 | 1775 | 5 | 25 | 1870 | N/A | N/A |
| n1 | 1950 | 5 | 25 | 2140 | 31.0 | IMD2  |fn77-fB3| |
| n77 | 3915 | 10 | 50 | 3915 | N/A | N/A |
| DC\_3A\_n1A-n78A  DC\_3C\_n1A-n78A | 3 | 1750 | 5 | 25 | 1845 | N/A | N/A |
| n1 | 1950 | 5 | 25 | 2140 | N/A | N/A |
| n78 | 3700 | 10 | 50 | 3700 | 28.4 | IMD2  |fB3+fn1| |
| 3 | 1770 | 5 | 25 | 1865 | N/A | N/A |
| n1 | 1940 | 5 | 25 | 2130 | 3.5 | IMD5  |2\*fn78-3\*fB3| |
| n78 | 3720 | 10 | 50 | 3720 | N/A | N/A |
| DC\_3A-5A\_n79A | 3 | 1775 | 5 | 25 | 1870 | N/A | N/A |
| 5 | 840 | 5 | 25 | 885 | 18.5 | IMD3 |
| n79 | 4435 | 40 | 216 | 4435 | N/A | N/A |
| 3 | 1782.5 | 5 | 25 | 1877.5 | 0.2 | IMD4 |
| 5 | 842.5 | 5 | 25 | 887.5 | N/A | N/A |
| n79 | 4420 | 40 | 216 | 4420 | N/A | N/A |
| DC\_3A-7A\_n5A | 3 | 1780 | 10 | 50 | 1875 | N/A | N/A |
| 7 | 2505 | 10 | 50 | 2625 | 30.0 | IMD21 |
| n5 | 845 | 5 | 25 | 890 | N/A | N/A |
| DC\_3A-7A\_n8A | 3 | 1780 | 5 | 25 | 1875 | N/A | N/A |
| n8 | 890 | 5 | 25 | 935 | N/A | N/A |
| 7 | 2550 | 10 | 50 | 2670 | 29.0 | IMD2+IMD33 |
| DC\_3A-7A\_n28A  DC\_3A-7C\_n28A  DC\_3C-7A\_n28A  DC\_3C-7C\_n28A | 3 | 1712.5 | 5 | 25 | 1807.5 | N/A | N/A |
| n28 | 743 | 5 | 25 | 798 | N/A | N/A |
| 7 | 2562 | 10 | 50 | 2682 | 16.9 | IMD3 |
| 7 | 2543 | 10 | 50 | 2663 | N/A | N/A |
| n28 | 710.5 | 5 | 25 | 765.5 | N/A | N/A |
| 3 | 1737.5 | 5 | 25 | 1832.5 | 26.0 | IMD2 |
| DC\_3A-7A\_n40A | 3 | 1771.6 | 5 | 25 | 1866.6 | 3.4 | IMD5 |
| 7 | 2530 | 5 | 25 | 2650 | N/A | N/A |
| n40 | 2310 | 5 | 25 | 2310 | N/A | N/A |
| DC\_3A-7A\_n77A | 3 | 1725 | 5 | 25 | 1820 | 17.6 | IMD3  |fB77-2\*fB7| |
| 7 | 2565 | 5 | 25 | 2685 | N/A | N/A |
| n77 | 3310 | 10 | 50 | 3310 | N/A | N/A |
| DC\_3A-7A\_n77A | 3 | 1725 | 5 | 25 | 1820 | 8.6 | IMD4  |2\*fB77-2\*fB7| |
| 7 | 2565 | 5 | 25 | 2685 | N/A | N/A |
| n77 | 3475 | 10 | 50 | 3475 | N/A | N/A |
| DC\_3A-7A\_n77A | 3 | 1715 | 5 | 25 | 1810 | N/A | N/A |
| 7 | 2550 | 5 | 25 | 2670 | 5.2 | IMD5  |fB77-4\*fB3| |
| n77 | 4190 | 10 | 50 | 4190 | N/A | N/A |
| DC\_3A-7A\_n77A | 3 | 1720 | 5 | 25 | 1815 | N/A | N/A |
| 7 | 2520 | 5 | 25 | 2640 | 3.4 | IMD5  |2\*fB77-3\*fB3| |
| n77 | 3900 | 10 | 50 | 3900 | N/A | N/A |
| DC\_3A-7A\_n78A  DC\_3C-7A\_n78A 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  DC\_3A-7A\_n78(2A)  DC\_3C-7A\_n78(2A)  DC\_3A-7C\_n78(2A)  DC\_3C-7C\_n78(2A) | 3 | 1725 | 5 | 25 | 1820 | 17.6 | IMD3  |fn78-2\*fB7| |
| 7 | 2565 | 5 | 25 | 2685 | N/A | N/A |
| n78 | 3310 | 10 | 50 | 3310 | N/A | N/A |
| 3 | 1725 | 5 | 25 | 1820 | 8.6 | IMD4  |2\*fn78-2\*fB7| |
| 7 | 2565 | 5 | 25 | 2685 | N/A | N/A |
| n78 | 3475 | 10 | 50 | 3475 | N/A | N/A |
| DC\_3A-8A\_n77A | 3 | 1715 | 5 | 25 | 1810 | N/A | N/A |
| n77 | 4190 | 10 | 50 | 4190 | N/A | N/A |
| 8 | 910 | 5 | 25 | 955 | 9.7 | IMD4 |
| DC\_3A-8A\_n77A | 8 | 910 | 5 | 25 | 955 | N/A | N/A |
| n77 | 3640 | 10 | 50 | 3640 | N/A | N/A |
| 3 | 1725 | 5 | 25 | 1820 | 16.5 | IMD3 |
| DC\_3A-8A\_n78A  DC\_3A-3A-8A\_n78A | 8 | 910 | 5 | 25 | 955 | N/A | N/A |
| n78 | 3640 | 10 | 50 | 3640 | N/A | N/A |
| 3 | 1725 | 5 | 25 | 1820 | 16.5 | IMD3 |
| DC\_3A-8A\_n79A | 3 | 1755 | 5 | 25 | 1850 | N/A | N/A |
| n79 | 4465 | 40 | 216 | 4465 | N/A | N/A |
| 8 | 910 | 5 | 25 | 955 | 15.3 | IMD3 |
| DC\_3A-8A\_n79A | 8 | 910 | 5 | 25 | 955 | N/A | N/A |
| n79 | 4580 | 40 | 216 | 4580 | N/A | N/A |
| 3 | 1755 | 5 | 25 | 1850 | 8.8 | IMD4 |
| DC\_3A\_n7A-n78A  DC\_3A\_n7B-n78A  DC\_3C\_n7A-n78A  DC\_3C\_n7B-n78A | 3 | 1730 | 5 | 25 | 1825 | N/A | N/A |
| n7 | 2560 | 5 | 25 | 2680 | N/A | N/A |
| n78 | 3390 | 10 | 50 | 3390 | 16.1 | IMD3  |2\*fn7-fB3| |
| DC\_3A-19A\_n79A | 3 | 1775 | 5 | 25 | 1870 | N/A | N/A |
| 19 | 840 | 5 | 25 | 885 | 18.5 | IMD3 |
| n79 | 4435 | 40 | 216 | 4435 | N/A | N/A |
| 3 | 1782.5 | 5 | 25 | 1877.5 | 0.2 | IMD4 |
| 19 | 842.5 | 5 | 25 | 887.5 | N/A | N/A |
| n79 | 4420 | 40 | 216 | 4420 | N/A | N/A |
| DC\_3A-20A\_n7A  DC\_3C-20A\_n7A | 3 | 1737 | 5 | 25 | 1832 | N/A | N/A |
| 20 | 847 | 10 | 20 | 806 | 10.5 | IMD2 |
| n7 | 2543 | 10 | 50 | 2663 | N/A | N/A |
| DC\_3A-20A\_n8A | 3 | 1720 | 5 | 25 | 1815 | N/A | N/A |
| n8 | 910 | 5 | 25 | 955 | N/A | N/A |
| 20 | 851 | 5 | 25 | 810 | 27 | IMD2  |fn8-fB3| |
| DC\_3A-20A\_n8A | 3 | 1765 | 5 | 25 | 1860 | 14.5 | IMD4  |3\*fn8-fB20| |
| n8 | 900 | 5 | 25 | 945 | N/A | N/A |
| 20 | 840 | 5 | 25 | 799 | N/A | N/A |
| DC\_3A-20A\_n28A  DC\_3C-20A\_n28A | 20 | 852 | 5 | 25 | 811 | N/A | N/A |
| n28 | 738 | 5 | 25 | 793 | N/A | N/A |
| 3 | 1723 | 5 | 25 | 1818 | 9.4 | IMD4 |
| DC\_3A-20A\_n38A | 3 | 1779 | 5 | 25 | 1874 | N/A | N/A |
| 20 | 852 | 10 | 20 | 811 | 26.0 | IMD21 |
| n38 | 2590 | 10 | 50 | 2590 | N/A | N/A |
| DC\_3A-20A\_n41A  DC\_3C-20A\_n41A | 3 | 1744 | 5 | 25 | 1839 | 26.0 | IMD 2 |
| n41 | 2680 | 10 | 52 | 2680 | N/A | N/A |
| 20 | 841 | 10 | 50 | 800 | N/A | N/A |
| DC\_3A-20A\_n41A  DC\_3C-20A\_n41A | 3 | 1779 | 5 | 25 | 1874 | N/A | N/A |
| n41 | 2590 | 10 | 52 | 2590 | N/A | N/A |
| 20 | 852 | 10 | 50 | 811 | 26.0 | IMD 2 |
| DC\_3A-20A\_n41A  DC\_3C-20A\_n41A | 3 | 1730 | 5 | 25 | 1825 | N/A | N/A |
| n41 | 2660 | 10 | 52 | 2660 | N/A | N/A |
| 20 | 841 | 5 | 25 | 800 | 12.5 | IMD 3 |
| DC\_3A\_20A\_SUL\_n78A-n80A  DC\_3C\_20A\_SUL\_n78A-n80A | 3 | 1725 | 5 | 25 | 1820 | 17.3 | IMD3 |
| 20 | 845 | 5 | 25 | 804 | N/A | N/A |
| n78 | 3510 | 10 | 50 | 3510 | N/A | N/A |
| DC\_3A\_n20A-n78A | 3 | 1730 | 5 | 25 | 1825 | N/A | N/A |
| n20 | 845 | 5 | 25 | 804 | N/A | N/A |
| n78 | 3420 | 10 | 50 | 3420 | 16.1 | IMD3  |fB3+2\*fn20| |
| DC\_3A-20A\_n78A  DC\_3C-20A\_n78A | 3 | 1725 | 5 | 25 | 1820 | 17.3 | IMD3  |fn78-2\*fB20| |
| 20 | 845 | 5 | 25 | 804 | N/A | N/A |
| n78 | 3510 | 10 | 50 | 3510 | N/A | N/A |
| DC\_3A-21A\_n77A  DC\_3A-21A\_n78A | 3 | 1767.5 | 5 | 25 | 1862.5 | N/A | N/A |
| 21 | 1459.5 | 5 | 25 | 1507.5 | 8.8 | IMD4 |
| n77, n78 | 3795 | 10 | 50 | 3795 | N/A | N/A |
| DC\_3A-21A\_n77A | 3 | 1771.6 | 5 | 25 | 1866.6 | 3.4 | IMD5 |
| 21 | 1450.4 | 5 | 25 | 1498.4 | N/A | N/A |
| n77 | 3935 | 10 | 50 | 3935 | N/A | N/A |
| DC\_3A-21A\_n79A | 3 | 1774.2 | 5 | 25 | 1869.2 | 17.8 | IMD3 |
| 21 | 1450.4 | 5 | 25 | 1498.4 | N/A | N/A |
| n79 | 4770 | 40 | 216 | 4770 | N/A | N/A |
| DC\_3A-28A\_n5A  DC\_3C-28A\_n5A | 3 | 1735 | 5 | 25 | 1830 | 8.7 | IMD4 |
| 28 | 705 | 5 | 25 | 798 | N/A | N/A |
| n5 | 845 | 5 | 25 | 874 | N/A | N/A |
| 3 | 1750 | 5 | 25 | 1845 | N/A | N/A |
| 28 | 730 | 5 | 25 | 785 | 9.4 | IMD4 |
| n5 | 845 | 5 | 25 | 874 | N/A | N/A |
| DC\_3A-28A\_n7A  DC\_3C-28A\_n7A  DC\_3A-3A-28A\_n7A  DC\_3A-28A\_n7B  DC\_3C-28A\_n7B  DC\_3A-3A-28A\_n7B | 3 | 1737.5 | 5 | 25 | 1832.5 | 26.0 | IMD2 |
| 28 | 710.5 | 5 | 25 | 765.5 | N/A | N/A |
| n7 | 2543 | 10 | 50 | 2663 | N/A | N/A |
| 3 | 1747 | 5 | 25 | 1842 | N/A | N/A |
| 28 | 741 | 5 | 25 | 796.0 | 20.0 | IMD2 |
| n7 | 2543 | 5 | 25 | 2663 | N/A | N/A |
| DC\_3A-28A\_n77A | 3 | 1712.5 | 5 | 25 | 1807.5 | N/A | N/A |
| 28 | 715 | 5 | 25 | 770 | 15.3 | IMD3 |
| n77 | 4195 | 10 | 50 | 4195 | N/A | N/A |
| 3 | 1755 | 5 | 25 | 1850 | 17.0 | IMD3 |
| 28 | 735 | 5 | 25 | 790 | N/A | N/A |
| n77 | 3320 | 10 | 50 | 3320 | N/A | N/A |
| DC\_3A-28A\_n41A | 3 | 1720 | 5 | 25 | 1815 | N/A | N/A |
| n41 | 2510 | 5 | 25 | 2510 | N/A | N/A |
| 28 | 735 | 5 | 25 | 790 | 26.0 | IMD21 |
| DC\_3A-28A\_n78A  DC\_3C-28A\_n78A  DC\_3A-3A-28A\_n78A | 3 | 1775 | 5 | 25 | 1870 | 17.3 | IMD3 |
| 28 | 740 | 5 | 25 | 760 | N/A | N/A |
| n78 | 3350 | 10 | 25 | 3350 | N/A | N/A |
| DC\_3A-28A\_n79A | 3 | 1770 | 5 | 25 | 1865 | N/A | N/A |
| 28 | 725 | 5 | 25 | 780 | 10.3 | IMD4 |
| n79 | 4530 | 40 | 216 | 4530 | N/A | N/A |
| 3 | 1775 | 5 | 25 | 1870 | 5.7 | IMD5 |
| 28 | 725 | 5 | 25 | 780 | N/A | N/A |
| n79 | 4770 | 40 | 216 | 4770 | N/A | N/A |
| DC\_3A\_n28A-n78A  DC\_3C\_n28A-n78A | 3 | 1750 | 5 | 25 | 1845 | N/A | N/A |
| n28 | 743 | 5 | 25 | 798 | N/A | N/A |
| n78 | 3764 | 10 | 50 | 3764 | 4.5 | IMD5  |3\*fB3 -2\*fn28| |
| DC\_3A\_SUL\_n77A-n84A | 3 | 1782.5 | 5 | 25 | 1877.5 | N/A | N/A |
| n84 | 1922.5 | 5 | 25 |  | N/A | N/A |
| n77 | 3425 | 10 | 50 | 3425 | 13.0 | IMD4 |
| DC\_3A\_n40A-n78A | 3 | 1730 | 5 | 25 | 1825 | N/A | N/A |
| n40 | 2360 | 5 | 25 | 2360 | N/A | N/A |
| n78 | 3620 | 10 | 50 | 3620 | 4.8 | IMD5 |2\*fB3-3\*fn40 |
| 3 | 1720 | 5 | 25 | 1815 | N/A | N/A |
| n40 | 2360 | 5 | 25 | 2360 | 4.4 | IMD5 |3\*fB3 -2\*fn78| |
| n78 | 3760 | 10 | 50 | 3760 | N/A | N/A |
| DC\_3A\_n78A-n79A | 3 | 1770 | 5 | 25 | 1865 | N/A | N/A |
| n78 | 3340 | 10 | 50 | 3340 | N/A | N/A |
| n79 | 4910 | 40 | 216 | 4910 | 16.3 | IMD3 |
| 3 | 1770 | 5 | 25 | 1865 | N/A | N/A |
| n79 | 4510 | 40 | 216 | 4510 | N/A | N/A |
| n78 | 3710 | 10 | 50 | 3710 | 4.2 | IMD5 |
| DC\_3A-SUL\_n78A-n82A | 3 | 1775 | 5 | 25 | 1870 | 4 | IMD4 |
| n82 | 840 | 5 | 25 |  | N/A | N/A |
| DC\_3A\_SUL\_n78A-n84A | 3 | 1782.5 | 5 | 25 | 1877.5 | N/A | N/A |
| n84 | 1922.5 | 5 | 25 |  | N/A | N/A |
| n78 | 3425 | 10 | 50 | 3425 | 13.0 | IMD4 |
| DC\_3A-21A\_n79A | 3 | 1774.2 | 5 | 25 | 1869.2 | 17.8 | IMD3 |
| 21 | 1450.4 | 5 | 25 | 1498.4 | N/A | N/A |
| n79 | 4770 | 40 | 216 | 4770 | N/A | N/A |
| DC\_3A-32A\_n78A  DC\_3A-32A\_n78(2A) | 3 | 1730 | 5 | 25 | 1825 | N/A | N/A |
| 32 | N/A | 5 | 25 | 1470 | 4.9 | IMD4 |
| n78 | 3720 | 10 | 50 | 3720 | N/A | N/A |
| 3 | 1775 | 5 | 25 | 1870 | N/A | N/A |
| 32 | N/A | 5 | 25 | 1475 | 0 | IMD5 |
| n78 | 3400 | 10 | 50 | 3400 | N/A | N/A |
| DC\_3A-40A\_n1A | n1 | 1950 | 5 | 25 | 2140 | N/A | N/A |
| 3 | 1735 | 5 | 25 | 1830 | N/A | N/A |
| 40 | 2380 | 5 | 25 | 2380 | 8.0 | IMD5 |
| DC\_3A-41A\_n28A  DC\_3A-41C\_n28A | 41 | 2543 | 10 | 50 | 2543 | N/A | N/A |
| n28 | 710.5 | 5 | 25 | 765.5 | N/A | N/A |
| 3 | 1737.5 | 5 | 25 | 1832.5 | 26 | IMD2  |fB41-fn28| |
| 3 | 1780 | 5 | 25 | 1875 | N/A | N/A |
| n28 | 738 | 5 | 25 | 793 | N/A | N/A |
| 41 | 2518 | 5 | 25 | 2518 | 27.4 | IMD2  |fB3+fn28| |
| 3 | 1715 | 5 | 25 | 1810 | N/A | N/A |
| n28 | 743 | 5 | 25 | 798 | N/A | N/A |
| 41 | 2687 | 5 | 25 | 2687 | 15.9 | IMD3  |2\*fB3-fn28| |
| DC\_3A-41A\_n77A  DC\_3A-41C\_n77A  DC\_3A-41A\_n77(2A)  DC\_3A-41C\_n77(2A) | 3 | 1720 | 5 | 25 | 1815 | N/A | N/A |
| n77 | 3900 | 10 | 50 | 3900 | N/A | N/A |
| 41 | 2640 | 5 | 25 | 2640 | 5.3 | IMD5  |3\*fB3 -2\*fn77| |
| 41 | 2620 | 5 | 25 | 2620 | N/A | N/A |
| n77 | 3400 | 10 | 50 | 3400 | N/A | N/A |
| 3 | 1745 | 5 | 25 | 1840 | 16.4 | IMD3  |2\*fB41 –fn77| |
| DC\_3A-41A\_n78A  DC\_3A-41C\_n78A  DC\_3A-41A\_n78(2A)  DC\_3A-41C\_n78(2A) | 41 | 2620 | 5 | 25 | 2620 | N/A | N/A |
| n78 | 3400 | 10 | 52 | 3400 | N/A | N/A |
| 3 | 1745 | 5 | 25 | 1840 | 16.4 | IMD3  |2\*fB41 – fn78| |
| DC\_3A-41A\_n79A | 3 | 1770 | 5 | 25 | 1865 | N/A | N/A |
| n79 | 4440 | 40 | 216 | 4440 | N/A | N/A |
| 41 | 2670 | 5 | 25 | 2670 | 30.2 | IMD2  |fB3 -fn79| |
| 41 | 2570 | 5 | 25 | 2570 | N/A | N/A |
| n79 | 4420 | 40 | 216 | 4420 | N/A | N/A |
| 3 | 1755 | 5 | 25 | 1850 | 29.4 | IMD2  |fB41 -fn79| |
| DC\_5A-7A\_n71A | 5 | 835 | 5 | 25 | 880 | N/A | N/A |
| 7 | 2540 | 5 | 25 | 2660 | 6.5 | IMD5  |4\*fB5-fBn71| |
| n71 | 680 | 5 | 25 | 634 | N/A | N/A |
| DC\_5A-7A\_n78A | 5 | 844 | 5 | 25 | 889 | N/A | N/A |
| 7 | 2525 | 5 | 25 | 2645 | 30.1 | IMD2  |fn78-fb5| |
| n78 | 3489 | 10 | 50 | 3489 | N/A | N/A |
| 5 | 834 | 5 | 25 | 879 | 30.2 | IMD2  |fn78-fB7| |
| 7 | 2550 | 5 | 25 | 2670 | N/A | N/A |
| n78 | 3429 | 10 | 50 | 3429 | N/A | N/A |
| 5 | 830 | 5 | 25 | 875 | 3.3 | IMD5  |2\*fn78-3fB7| |
| 7 | 2525 | 5 | 25 | 2645 | N/A | N/A |
| n78 | 3350 | 10 | 50 | 3350 | N/A | N/A |
| DC\_5A\_n7A-n78A | 5 | 844 | 5 | 25 | 889 | N/A | N/A |
| n7 | 2525 | 5 | 25 | 2645 | 30.1 | IMD2  |fn78-fb5| |
| n78 | 3489 | 10 | 50 | 3489 | N/A | N/A |
| 5 | 835 | 5 | 25 | 880 | N/A | N/A |
| n7 | 2540 | 5 | 25 | 2660 | N/A | N/A |
| n78 | 3375 | 10 | 50 | 3375 | 29.7 | IMD2  |fB7 +fn5| |
| DC\_5A\_41A\_n78A | 5 | 860 | 5 | 25 | 885 | 30.2 | IMD2 |
| 41 | 2615 | 5 | 25 | 2615 | N/A | N/A |
| n78 | 3500 | 10 | 50 | 3500 | N/A | N/A |
| 5 | 856.5 | 5 | 25 | 881.5 | 3.1 | IMD5 |
| 41 | 2620.5 | 5 | 25 | 2620.5 | N/A | N/A |
| n78 | 3490 | 10 | 50 | 3490 | N/A | N/A |
| DC\_5A-41A\_n79A | 5 | 835 | 5 | 25 | 880 | 23.9 | IMD3  |2\*fB41-fn79| |
| 41 | 2665 | 5 | 25 | 2665 | N/A | N/A |
| n79 | 4450 | 40 | 216 | 4450 | N/A | N/A |
| 5 | 826.5 | 5 | 25 | 871.5 | N/A | N/A |
| 41 | 2517.5 | 5 | 25 | 2517.5 | 1.8 | IMD4  |fn79-3\*fB5| |
| n79 | 4980 | 40 | 216 | 4980 | N/A | N/A |
| DC\_5A-66A\_n2A  DC\_5BA-66A\_n2A  DC\_5A-5A-66A\_n2A  DC\_5A-66A-66A\_n2A  DC\_5B-66A-66A\_n2A  DC\_5A-5A-66A-66A\_n2A | 5 | 834 | 5 | 25 | 879 | N/A | N/A |
| 66 | 1712 | 5 | 25 | 2132 | 7.2 | IMD4  |2\*fB5-2\*fBn2| |
| n2 | 1900 | 5 | 25 | 1980 | N/A | N/A |
| DC\_5A-66A\_n71A | 5 | 830 | 5 | 25 | 875 | N/A | N/A |
| 66 | 1761 | 5 | 25 | 2161 | 13 | IMD3 |
| n71 | 665.5 | 5 | 25 | 619.5 | N/A | N/A |
| 5 | 846.5 | 5 | 25 | 891.5 | 4.2 | IMD5 |
| 66 | 1770 | 5 | 25 | 2170 | N/A | N/A |
| n71 | 665.5 | 5 | 25 | 619.5 | N/A | N/A |
| DC\_5A-66A\_n78A  DC\_5A-66A\_n78(2A) | 5 | 826.5 | 5 | 25 | 871.5 | N/A | N/A |
| 66 | 1742 | 5 | 25 | 2142 | 13.2 | IMD3 |
| n78 | 3795 | 10 | 50 | 3795 | N/A | N/A |
| DC\_7A\_n1A-n78A  DC\_7C\_n1A-n78A | 7 | 2520 | 5 | 25 | 2640 | N/A | N/A |
| n1 | 1970 | 5 | 25 | 2160 | N/A | N/A |
| n78 | 3390 | 10 | 50 | 3390 | 10.1 | IMD4 |
| 7 | 2530 | 5 | 25 | 2650 | N/A | N/A |
| n1 | 1970 | 5 | 25 | 2160 | 9.0 | IMD4 |
| n78 | 3610 | 10 | 50 | 3610 | N/A | N/A |
| DC\_7A\_n3A-n78A | 7 | 2560 | 5 | 25 | 2680 | N/A | N/A |
| n3 | 1730 | 5 | 25 | 1825 | N/A | N/A |
| n78 | 3390 | 10 | 50 | 3390 | 16.1 | IMD3 |
| 7 | 2565 | 5 | 25 | 2685 | N/A | N/A |
| n3 | 1725 | 5 | 25 | 1820 | 15.6 | IMD3 |
| n78 | 3310 | 10 | 50 | 3310 | N/A | N/A |
| DC\_7A-8A\_n3A | n3 | 1735 | 5 | 25 | 1830 | N/A | N/A |
| 7 | 2530 | 10 | 50 | 2650 | N/A | N/A |
| 8 | 895 | 5 | 25 | 940 | 18.0 | IMD3 |
| DC\_7A-8A\_n3A | n3 | 1780 | 5 | 25 | 1875 | N/A | N/A |
| 8 | 890 | 5 | 25 | 935 | N/A | N/A |
| 7 | 2550 | 10 | 50 | 2670 | 29.0 | IMD2+IMD33 |
| DC\_7A-8A\_n77A | 7 | 2530 | 5 | 25 | 2650 | N/A | N/A |
| 8 | 895 | 5 | 25 | 940 | 30.5 | IMD2  |fB77-fB7| |
| n77 | 3470 | 10 | 50 | 3470 | N/A | N/A |
| DC\_7A-8A\_n77A | 7 | 2520 | 5 | 25 | 2640 | N/A | N/A |
| 8 | 895 | 5 | 25 | 940 | 3.1 | IMD5  |2\*fB77-3fB7| |
| n77 | 3310 | 10 | 50 | 3310 | N/A | N/A |
| DC\_7A-8A\_n77A | 7 | 2530 | 5 | 25 | 2650 | 28 | IMD2  |fB77-fB8| |
| 8 | 895 | 5 | 25 | 940 | N/A | N/A |
| n77 | 3545 | 10 | 50 | 3545 | N/A | N/A |
| DC\_7A-8A\_n78A | 7 | 2530 | 5 | 25 | 2650 | N/A | N/A |
| 8 | 895 | 5 | 25 | 940 | 30.5 | IMD2  |fB78-fB7| |
| n78 | 3470 | 10 | 50 | 3470 | N/A | N/A |
| DC\_7A-8A\_n78A | 7 | 2520 | 5 | 25 | 2640 | N/A | N/A |
| 8 | 895 | 5 | 25 | 940 | 3.1 | IMD5  |2\*fB78-3fB7| |
| n78 | 3310 | 10 | 50 | 3310 | N/A | N/A |
| DC\_7A-8A\_n78A | 7 | 2530 | 5 | 25 | 2650 | 28 | IMD2  |fB78-fB8| |
| 8 | 895 | 5 | 25 | 940 | N/A | N/A |
| n78 | 3545 | 10 | 50 | 3545 | N/A | N/A |
| DC\_7-13\_n66 | 7 | 2520 | 5 | 25 | 2640 | N/A | N/A |
| 13 | 781 | 5 | 25 | 750 | 31 | IMD2  |fB7-fB66| |
| n66 | 1770 | 5 | 25 | 2170 | N/A | N/A |
| DC\_7-13\_n66 | 7 | 2540 | 5 | 25 | 2660 | 18 | IMD3  |2\*fBn66-fB13| |
| 13 | 780 | 5 | 25 | 749 | N/A | N/A |
| n66 | 1720 | 5 | 25 | 2120 | N/A | N/A |
| DC\_7A-20A\_n1A  DC\_7C-20A\_n1A | 7 | 2510 | 10 | 50 | 2630 | N/A | N/A |
| 20 | 841 | 10 | 50 | 800 | 4.5 | IMD5  |2\*fB7-3\*fBn1| |
| n1 | 1940 | 5 | 25 | 2130 | N/A | N/A |
| DC\_7A-20A\_n3A | 7 | 2543 | 10 | 50 | 2663 | N/A | N/A |
| 20 | 847 | 10 | 20 | 806 | 10.5 | IMD2 |
| n3 | 1737 | 5 | 25 | 1832 | N/A | N/A |
| 7 | 2510 | 10 | 50 | 2630 | 26.0 | IMD21 |
| 20 | 855 | 5 | 25 | 896 | N/A | N/A |
| n3 | 1775 | 10 | 50 | 1870 | N/A | N/A |
| DC\_7A-20A\_n8A | 7 | 2565 | 5 | 25 | 2685 | N/A | N/A |
| n8 | 885 | 5 | 25 | 930 | N/A | N/A |
| 20 | 836 | 5 | 25 | 795 | 17.4 | IMD3  |2\*fn8-fB7| |
| DC\_7A-20A\_n8A | 7 | 2520 | 5 | 25 | 2640 | 21.1 | IMD3  |2\*fn8+fB20| |
| n8 | 900 | 5 | 25 | 945 | N/A | N/A |
| 20 | 840 | 5 | 25 | 799 | N/A | N/A |
| DC\_7A-20A\_n8A | 7 | 2504 | 5 | 25 | 2624 | 18.8 | IMD3  |1\*fn8+2\*fB20| |
| n8 | 910 | 5 | 25 | 955 | N/A | N/A |
| 20 | 857 | 5 | 25 | 816 | N/A | N/A |
| DC\_7A-20A\_n28A | 20 | 852 | 5 | 25 | 811 | N/A | N/A |
| n28 | 738 | 5 | 25 | 793 | N/A | N/A |
| 7 | 2550 | 10 | 50 | 2670 | 5.9 | IMD5 |
| DC\_7A-20A\_n78A | 7 | 2560 | 5 | 25 | 2680 | N/A | N/A |
| 20 | 851 | 5 | 25 | 810 | 30.5 | IMD2  |fn78-fB7| |
| n78 | 3370 | 10 | 50 | 3370 | N/A | N/A |
| DC\_7A-20A\_n78A | 7 | 2560 | 5 | 25 | 2680 | N/A | N/A |
| 20 | 851 | 5 | 25 | 810 | 3.0 | IMD5  |2\*fn78-3\*fB7| |
| n78 | 3435 | 10 | 50 | 3435 | N/A | N/A |
| DC\_7A-20A\_n78A | 7 | 2555 | 5 | 25 | 2675 | 30.8 | IMD2  |fn78-fB20| |
| 20 | 845 | 5 | 25 | 804 | N/A | N/A |
| n78 | 3520 | 10 | 50 | 3520 | N/A | N/A |
| DC\_7A-28A\_n3A  DC\_7C-28A\_n3A | 7 | 2543 | 5 | 25 | 2663 | N/A | N/A |
| 28 | 741 | 5 | 25 | 796.0 | 20.0 | IMD2 |
| n3 | 1747 | 5 | 25 | 1842 | N/A | N/A |
| 7 | 2540 | 5 | 25 | 2685 | 18 | IMD3 |
| 28 | 745 | 5 | 25 | 800 | N/A | N/A |
| n3 | 1715 | 5 | 25 | 1810 | N/A | N/A |
| DC\_7A-28A\_n5A DC\_7C-28A\_n5A | 7 | 2540 | 5 | 25 | 2725 | N/A | N/A |
| 28 | 721 | 5 | 25 | 776 | 4.4 | IMD5 |
| n5 | 829 | 5 | 25 | 854 | N/A | N/A |
| 7 | 2510 | 5 | 25 | 2630 | 5.9 | IMD5 |
| 28 | 730 | 5 | 25 | 785 | N/A | N/A |
| n5 | 840 | 5 | 25 | 874 | N/A | N/A |
| DC\_7A-28A\_n40A | 7 | 2510 | 5 | 25 | 2630 | 5.9 | IMD5 |
| 28 | 743 | 5 | 25 | 798 | N/A | N/A |
| n40 | 2310 | 5 | 25 | 2310 | N/A | N/A |
| DC\_7A-28A\_n78A | 7 | 2567.5 | 5 | 25 | 2687.5 | N/A | N/A |
| 28 | 727.5 | 5 | 25 | 782.5 | 8.3 | IMD2 |
| n78 | 3350 | 10 | 50 | 3350 | N/A | N/A |
| 7 | 2567.5 | 5 | 25 | 2687.5 | N/A | N/A |
| 28 | 727.5 | 5 | 25 | 782.5 | 3.0 | IMD5 |
| n78 | 3460 | 10 | 50 | 3460 | N/A | N/A |
| 7 | 2530 | 5 | 25 | 2650 | 30.5 | IMD2 |
| 28 | 740 | 5 | 25 | 795 | N/A | N/A |
| n78 | 3390 | 10 | 50 | 3390 | N/A | N/A |
| DC\_7A\_n28A-n78A  DC\_7C\_n28A-n78A | 7 | 2565 | 5 | 25 | 2685 | N/A | N/A |
| n28 | 745 | 5 | 25 | 800 | N/A | N/A |
| n78 | 3310 | 10 | 50 | 3310 | 29.7 | IMD2  |fB7 +fn28| |
| 7 | 2565 | 5 | 25 | 2685 | N/A | N/A |
| n78 | 3365 | 10 | 50 | 3365 | N/A | N/A |
| n28 | 745 | 5 | 25 | 800 | 28.8 | IMD2  |fn78 -fB7| |
| DC\_7A-40A\_n1A | n1 | 1970 | 5 | 25 | 2160 | N/A | N/A |
| 7 | 2530 | 5 | 25 | 2650 | 32.1 | IMD3 |
| 40 | 2310 | 5 | 25 | 2310 | N/A | N/A |
| DC\_7A-46A\_n78A6 | 7 | N/A | N/A | N/A | N/A | N/A | N/A |
| 46 | N/A | N/A | N/A | N/A | N/A | IMD2, IMD5 |
| n78 | N/A | N/A | N/A | N/A | N/A | N/A |
| DC\_7A-66A\_n78A  DC\_7C-66A\_n78A  DC\_7A-7A-66A\_n78A  DC\_7A-66A-66A\_n78A  DC\_7A-7A-66A-66A\_n78A  DC\_7C-66A-66A\_n78A  DC\_7A\_n66A-n78A  DC\_7A-7A\_n66A-n78A  DC\_7A-66A\_n78(2A)  DC\_7C-66A\_n78(2A)  DC\_7A-7A-66A\_n78(2A)  DC\_7A-66A-66A\_n78(2A)  DC\_7A-7A-66A-66A\_n78(2A)  DC\_7C-66A-66A\_n78(2A) | 7 | 2550 | 5 | 25 | 2685 | N/A | N/A |
| 66 | 1750 | 5 | 25 | 2150 | 8.7 | IMD4  |2\*fn78-2\*fB7| |
| n78 | 3625 | 10 | 50 | 3475 | N/A | N/A |
| DC\_7A\_n66A-n78A  DC\_7A-7A\_n66A-n78A | 7 | 2542 | 5 | 25 | 2662 | N/A | N/A |
| n66 | 1740 | 5 | 25 | 2140 | N/A | N/A |
| n78 | 3344 | 10 | 50 | 3344 | 16.0 | IMD3  |2\*fB7-fn66| |
| DC\_7A\_SUL\_n78A-n80A | n80 | 1730 | 5 | 25 |  | N/A | N/A |
| 7 | 2535 | 10 | 50 | 2655 | 13 | IMD4 |
| DC\_8A\_n1A-n78A | 8 | 900 | 5 | 25 | 945 | N/A | N/A |
| n1 | 1945 | 5 | 25 | 2135 | N/A | N/A |
| n78 | 3745 | 10 | 50 | 3745 | 14.9 | IMD3 |
| DC\_8A\_n3A-n28A | 8 | 912.5 | 5 | 25 | 957.5 | N/A | N/A |
| n3 | 1712.5 | 5 | 25 | 1807.5 | N/A | N/A |
| n28 | 745 | 5 | 25 | 800 | 30.4 | IMD2 |
| DC\_8A-11A\_n77A | 8 | 910 | 5 | 25 | 955 | N/A | N/A |
| n77 | 3311 | 10 | 50 | 3311 | N/A | N/A |
| 11 | 1443 | 5 | 25 | 1491 | 18.8 | IMD3 |
| DC\_8A-11A\_n77A | 11 | 1430.5 | 5 | 25 | 1478.5 | N/A | N/A |
| n77 | 3791 | 10 | 50 | 3791 | N/A | N/A |
| 8 | 885 | 5 | 25 | 930 | 18.2 | IMD3 |
| DC\_8A-11A\_n78A | 8 | 910 | 5 | 25 | 955 | N/A | N/A |
| n78 | 3311 | 10 | 50 | 3311 | N/A | N/A |
| 11 | 1443 | 5 | 25 | 1491 | 18.8 | IMD3 |
| DC\_8A-11A\_n78A | 11 | 1430.5 | 5 | 25 | 1478.5 | N/A | N/A |
| n78 | 3791 | 10 | 50 | 3791 | N/A | N/A |
| 8 | 885 | 5 | 25 | 930 | 18.2 | IMD3 |
| DC\_8A-20A\_n78A | 8 | 890 | 5 | 25 | 935 | N/A | N/A |
| n78 | 3470 | 10 | 50 | 3470 | N/A | N/A |
| 20 | 841 | 5 | 25 | 800 | 12.1 | IMD4 |
| 8 | 895 | 5 | 25 | 940 | 12.1 | IMD4 |
| n78 | 3481 | 10 | 50 | 3481 | N/A | N/A |
| 20 | 847 | 5 | 25 | 806 | N/A | N/A |
| DC\_8A-42A\_n28A | 8 | 900 | 5 | 25 | 945 | N/A | N/A |
| n28 | 743 | 5 | 25 | 798 | N/A | N/A |
| 42 | 3443 | 5 | 25 | 3443 | 8.7 | IMD4 |
| DC\_8A\_SUL\_n78A-n80A | n80 | 1755 | 10 | 50 |  | N/A | N/A |
| 8 | 900 | 5 | 25 | 945 | 8 | IMD4 |
| n80 | 1750 | 10 | 50 |  | N/A | N/A |
| 8 | 900 | 5 | 25 | 945 | N/A | N/A |
| n78 | 3550 | 10 | 50 | 3550 | 8 | IMD33 |
| DC\_11A-18A\_n77A | 11 | 1443 | 5 | 25 | 1491 | N/A | N/A |
| n77 | 3706 | 10 | 50 | 3706 | N/A | N/A |
| 18 | 820 | 5 | 25 | 865 | 18.7 | IMD3  |fBn77-2\*fB11| |
| DC\_11A-18A\_n78A | 11 | 1443 | 5 | 25 | 1491 | N/A | N/A |
| n78 | 3706 | 10 | 50 | 3706 | N/A | N/A |
| 18 | 820 | 5 | 25 | 865 | 18.7 | IMD3  |fBn77-2\*fB11| |
| DC\_12A\_n7A-n78A | 12 | 708 | 5 | 25 | 738 | N/A | N/A |
| n7 | 2520 | 5 | 25 | 2640 | N/A | N/A |
| n78 | 3624 | 10 | 50 | 3624 | 9 | IMD4 |
| 12 | 708 | 5 | 25 | 738 | N/A | N/A |
| n78 | 3370 | 10 | 50 | 3370 | N/A | N/A |
| n7 | 2542 | 5 | 25 | 2662 | 29.6 | IMD2 |
| DC\_12A-30A\_n2A | 12 | 708.5 | 5 | 25 | 738.5 | N/A | N/A |
| 30 | 2308 | 5 | 25 | 2353 | 12.0 | IMD4 |
| n2 | 1885 | 5 | 25 | 1965 | N/A | N/A |
| DC\_13A-66A\_n2A  DC\_13A-66A-66A\_n2A | 13 | 782 | 5 | 25 | 751 | N/A | N/A |
| 66 | 1736 | 5 | 25 | 2156 | 7..2 | IMD3  |2\*fB13-2\*fBn2| |
| n2 | 1860 | 5 | 25 | 1940 | N/A | N/A |
| DC\_12A-66A\_n25A | 12 | 708.5 | 5 | 25 | 738.5 | N/A | N/A |
| 66 | 1775 | 5 | 25 | 2175 | N/A | N/A |
| n25 | 1855 | 5 | 25 | 1935 | 20 | IMD3 |
| 12 | 708.5 | 5 | 25 | 738.5 | N/A | N/A |
| 66 | 1750 | 5 | 25 | 2150 | 4 | IMD5 |
| n25 | 1883.3 | 5 | 25 | 1963.3 | N/A | N/A |
| 12 | 708.5 | 5 | 25 | 738.5 | N/A | N/A |
| 66 | 1712.5 | 5 | 25 | 2112.5 | 23 | IMD3 |
| n25 | 1912.5 | 5 | 25 | 1992.5 | N/A | N/A |
| DC\_13A-66A\_n48A  DC\_13A-66A\_n48B  DC\_13A-66A-66A\_n48A  DC\_13A-66A-66A\_n48B | 13 | 782 | 5 | 25 | 751 | N/A | N/A |
| 66 | 1731 | 5 | 25 | 2131 | 17.1 | IMD3  |2\*fB13-fBn48| |
| n48 | 3695 | 5 | 25 | 3695 | N/A | N/A |
| DC\_14A-66A\_n2A DC\_14A-66A-66A\_n2A | 14 | 793 | 5 | 25 | 763 | N/A | N/A |
| 66 | 1762 | 5 | 25 | 2162 | 7.6 | IMD4 |
| n2 | 1874 | 5 | 25 | 1954 | N/A | N/A |
| DC\_18A\_n3A-n78A | 18 | 820 | 5 | 25 | 865 | N/A | N/A |
| n3 | 1750 | 5 | 25 | 1845 | N/A | N/A |
| n78 | 3390 | 10 | 50 | 3390 | 15.2 | IMD33 |
| DC\_18A-28A\_n77A | 18 | 820 | 5 | 25 | 865 | N/A | N/A |
| 28 | 723 | 5 | 25 | 778 | 4.4 | IMD5 |
| n77 | 4058 | 10 | 50 | 4058 | N/A | N/A |
| DC\_18A-28A\_n77A | 18 | 820 | 5 | 25 | 865 | 3.9 | IMD5 |
| 28 | 723 | 5 | 25 | 778 | N/A | N/A |
| n77 | 3757 | 10 | 50 | 3757 | N/A | N/A |
| DC\_18A-28A\_n78A | 18 | 819 | 5 | 25 | 864 | 3.8 | IMD5 |
| 28 | 723 | 5 | 25 | 778 | N/A | N/A |
| n78 | 3756 | 10 | 50 | 3756 | N/A | N/A |
| DC\_18A-41A\_n3A  DC\_18A-41C\_n3A | 18 | 820 | 5 | 25 | 865 | N/A | N/A |
| n3 | 1725 | 5 | 25 | 1820 | N/A | N/A |
| 41 | 2630 | 5 | 25 | 2630 | 16.0 | IMD3  |2\*fB18-fBn3| |
| 18 | 820 | 5 | 25 | 865 | 28.9 | IMD21  |fB41-fBn3| |
| n3 | 1765 | 5 | 25 | 1860 | N/A | N/A |
| 41 | 2630 | 5 | 25 | 2630 | N/A | N/A |
| DC\_18A-41A\_n77A  DC\_18A-41C\_n77A | 18 | 820 | 5 | 25 | 865 | 3.4 | IMD5  |2\*fn77-3\*fB41| |
| n77 | 3527.5 | 10 | 50 | 3527.5 | N/A | N/A |
| 41 | 2640 | 5 | 25 | 2640 | N/A | N/A |
| DC\_18A-41A\_n78A  DC\_18A-41C\_n78A | 18 | 820 | 5 | 25 | 865 | 3.4 | IMD5  |2\*fn78-3\*fB41| |
| n78 | 3527.5 | 10 | 50 | 3527.5 | N/A | N/A |
| 41 | 2640 | 5 | 25 | 2640 | N/A | N/A |
| DC\_19A-21A\_n77A  DC\_19A-21A\_n78A | 19 | 837.5 | 5 | 25 | 882.5 | 18.7 | IMD3 |
| 21 | 1450.4 | 5 | 25 | 1498.4 | N/A | N/A |
| n77, n78 | 3783.3 | 10 | 50 | 3783.3 | N/A | N/A |
| DC\_19A-21A\_n77A | 19 | 837.5 | 5 | 25 | 882.5 | N/A | N/A |
| 21 | 1454.5 | 5 | 25 | 1502.5 | 9.0 | IMD4 |
| n77 | 4015 | 10 | 50 | 4015 | N/A | N/A |
| DC\_19A-21A\_n79A | 19 | 837.5 | 5 | 25 | 882.2 | N/A | N/A |
| 21 | 1452 | 5 | 25 | 1500 | 3.8 | IMD5 |
| n79 | 4850 | 40 | 216 | 4850 | N/A | N/A |
| DC\_20A\_n1A-n78A | 20 | 845 | 5 | 25 | 804 | N/A | N/A |
| n1 | 1940 | 5 | 25 | 2130 | N/A | N/A |
| n78 | 3630 | 10 | 50 | 3630 | 16.0 | IMD3 |
| 20 | 835 | 5 | 25 | 794 | N/A | N/A |
| n1 | 1930 | 5 | 25 | 2120 | 15.3 | IMD3 |
| n78 | 3790 | 10 | 50 | 3790 | N/A | N/A |
| DC\_20A\_n3A-n78A | 20 | 845 | 5 | 25 | 804 | N/A | N/A |
| n3 | 1730 | 5 | 25 | 1825 | N/A | N/A |
| n78 | 3420 | 10 | 50 | 3420 | 16.1 | IMD3 |
| 20 | 845 | 5 | 25 | 804 | N/A | N/A |
| n3 | 1765 | 5 | 25 | 1860 | 15.7 | IMD3 |
| n78 | 3550 | 10 | 50 | 3550 | N/A | N/A |
| DC\_20A\_SUL\_n78A-n80A | 20 | 847 | 5 | 25 | 806 | 9 | IMD4 |
| n80 | 1735 | 5 | 25 |  | N/A | N/A |
| DC\_21A-28A\_n77A | 21 | 1452 | 5 | 25 | 1500 | N/A | N/A |
| 28 | 730.5 | 5 | 25 | 785.5 | 16.9 | IMD3 |
| n77 | 3689.5 | 10 | 50 | 3689.5 | N/A | N/A |
| 21 | 1450.5 | 5 | 25 | 1498.5 | 9.9 | IMD4 |
| 28 | 730.5 | 5 | 25 | 785.5 | N/A | N/A |
| n77 | 3690 | 10 | 50 | 3690 | N/A | N/A |
| DC\_21A-28A\_n79A | 21 | 1450 | 5 | 25 | 1498 | 5.2 | IMD5 |
| 28 | 730.5 | 5 | 25 | 785.5 | N/A | N/A |
| n79 | 4420 | 40 | 216 | 4420 | N/A | N/A |
| DC\_28A\_n7A-n78A  DC\_28A\_n7B-n78A | 28 | 745 | 5 | 25 | 800 | N/A | N/A |
| n7 | 2565 | 5 | 25 | 2685 | N/A | N/A |
| n78 | 3310 | 10 | 50 | 3310 | 29.7 | IMD2  |fn7 + fB28| |
| 28 | 740 | 5 | 25 | 795 | N/A | N/A |
| n7 | 2530 | 5 | 25 | 2650 | 30.5 | IMD2  |fn78 - fB28| |
| n78 | 3390 | 10 | 50 | 3390 | N/A | N/A |
| DC\_28A-41A\_n77A | 28 | 738 | 5 | 25 | 793 | N/A | N/A |
| n77 | 3380 | 10 | 50 | 3380 | N/A | N/A |
| 41 | 2642 | 5 | 25 | 2642 | 29.5 | IMD2 |
| DC\_28A-41A\_n77A | 41 | 2642 | 5 | 25 | 2642 | N/A | N/A |
| n77 | 3440 | 10 | 50 | 3440 | N/A | N/A |
| 28 | 743 | 5 | 25 | 798 | 30.8 | IMD2 |
| DC\_28A-41A\_n78A | 28 | 738 | 5 | 25 | 793 | N/A | N/A |
| n78 | 3380 | 10 | 50 | 3380 | N/A | N/A |
| 41 | 2642 | 5 | 25 | 2642 | 29.5 | IMD2 |
| DC\_28A-41A\_n78A | 41 | 2642 | 5 | 25 | 2642 | N/A | N/A |
| n78 | 3440 | 10 | 50 | 3440 | N/A | N/A |
| 28 | 743 | 5 | 25 | 798 | 30.8 | IMD2 |
| DC\_28A-41A\_n79A | 28 | 743 | 5 | 25 | 798 | N/A | N/A |
| n79 | 4739 | 40 | 216 | 4739 | N/A | N/A |
| 41 | 2510 | 5 | 25 | 2510 | 8.6 | IMD4 |
| DC\_28A-41A\_n79A | 41 | 2650 | 5 | 25 | 2650 | N/A | N/A |
| n79 | 4502 | 40 | 216 | 4502 | N/A | N/A |
| 28 | 743 | 5 | 25 | 798 | 15.9 | IMD3 |
| DC\_28A-42A\_79A | 28 | 730 | 5 | 25 | 785 | N/A | N/A |
| 42 | 3420 | 5 | 25 | 3420 | 15.3 | IMD3 |
| n79 | 4880 | 40 | 216 | 4880 | N/A | N/A |
| 28 | 745 | 5 | 25 | 800 | 16.2 | IMD2 |
| 42 | 3597.5 | 5 | 25 | 3597.5 | N/A | N/A |
| n79 | 4420 | 40 | 216 | 4420 | N/A | N/A |
| DC\_19A\_n78A-n79A | 19 | 835 | 5 | 25 | 880 | N/A | N/A |
| n78 | 3680 | 10 | 50 | 3680 | N/A | N/A |
| n79 | 4515 | 40 | 216 | 4515 | 29.3 | IMD2 |
| 19 | 835 | 5 | 25 | 880 | N/A | N/A |
| n79 | 4550 | 40 | 216 | 4550 | N/A | N/A |
| n78 | 3715 | 10 | 50 | 3715 | 28.8 | IMD2 |
| DC\_20A\_n28A-n78A, DC\_20A\_SUL\_n78A-n83A | 20 | 857 | 5 | 25 | 816 | N/A | N/A |
| n28, n83 | 743 | 5 | 25 | 798 | N/A | N/A |
| n78 | 3314 | 10 | 50 | 3314 | 8.7 | IMD4 |
| 20 | 837 | 5 | 25 | 796 | N/A | N/A |
| n78 | 3310 | 10 | 50 | 3310 | N/A | N/A |
| n28 | 744 | 5 | 25 | 799 | 9.4 | IMD4 |
| DC\_21A\_n78A-n79A | 21 | 1453 | 5 | 25 | 1501 | N/A | N/A |
| n78 | 3420 | 10 | 50 | 3420 | N/A | N/A |
| n79 | 4873 | 40 | 216 | 4873 | 30.1 | IMD2 |
| 21 | 1453 | 5 | 25 | 1501 | N/A | N/A |
| n79 | 4940 | 40 | 216 | 4940 | N/A | N/A |
| n78 | 3487 | 10 | 50 | 3487 | 29.8 | IMD2 |
| DC\_28A\_n8A-n78A | 28 | 728 | 5 | 25 | 783 | N/A | N/A |
| n8 | 910 | 5 | 25 | 955 | N/A | N/A |
| n78 | 3458 | 10 | 50 | 3458 | 9.1 | IMD4  |3\*fn8 +fB28| |
| 28 | 713 | 5 | 25 | 768 | N/A | N/A |
| n8 | 890 | 5 | 25 | 935 | 4.3 | IMD5  |fn78 -4\*fB28| |
| n78 | 3787 | 10 | 50 | 3787 | N/A | N/A |
| DC\_30A-66A\_n5A,  DC\_30A-66A-66A\_n5A,  DC\_30A-66A-66A-66A\_n5A | 30 | 2310 | 5 | 25 | 2355 | N/A | N/A |
| 66 | 1730 | 5 | 25 | 2130 | 2.5 dB | IMD5 |
| n5 | 830 | 5 | 25 | 875 | N/A | N/A |
| DC\_46A-66A\_n5A | 46 | 5163 | 10 | 50 | 5163 | 9.0 | IMD4 |
| 66 | 1775 | 5 | 25 | 2175 | N/A | N/A |
| n5 | 847 | 5 | 25 | 892 | N/A | N/A |
| DC\_46A-66A\_n25A4  DC\_46C-66A\_n25A4  DC\_46D-66A\_n25A4 | 46 | 5505 | 10 | 50 | 5505 | 16.1 | IMD3 |
| 66 | 1775 | 5 | 25 | 2175 | N/A | N/A |
| n25 | 1855 | 5 | 25 | 1935 | 20 | IMD3 |
| 46 | 5505 | 10 | 50 | 5505 | 16.1 | IMD3 |
| 66 | 1750 | 5 | 25 | 2150 | 4 | IMD5 |
| n25 | 1883.3 | 5 | 25 | 1963.3 | N/A | N/A |
| 46 | 5505 | 10 | 50 | 5505 | 16.1 | IMD3 |
| 66 | 1712.5 | 5 | 25 | 2112.5 | 23 | IMD3 |
| n25 | 1912.5 | 5 | 25 | 1992.5 | N/A | N/A |
| DC\_48A-66A\_n12A | 48 | 3580 | 5 | 25 | 3580 | N/A | N/A |
| 66 | 1760 | 5 | 25 | 2160 | 17.1 | IMD3 |
| n12 | 710 | 5 | 25 | 740 | N/A | N/A |
| DC\_48A-66A\_n71A | 48 | 3560 | 5 | 25 | 3560 | N/A | N/A |
| 66 | 1774 | 5 | 25 | 2174 | 15.8 | IMD3 |
| n71 | 693 | 5 | 25 | 647 | N/A | N/A |
| 48 | 3697.5 | 5 | 25 | 3697.5 | 13.0 | IMD4 |
| 66 | 1712.5 | 5 | 25 | 2112.5 | N/A | N/A |
| n71 | 665.5 | 5 | 25 | 619.5 | N/A | N/A |
| DC\_66A\_n7A-n78A | 66 | 1730 | 5 | 25 | 1825 | N/A | N/A |
| n7 | 2560 | 5 | 25 | 2680 | N/A | N/A |
| n78 | 3390 | 10 | 50 | 3390 | 16.1 | IMD3 |
| DC\_66A\_n25A-n41A | 66 | 1715 | 5 | 25 | 2115 | 5 | N/A |
| n41 | 2685 | 10 | 50 | 2685 | 10 | N/A |
| n25 | 1860 | 5 | 25 | 1940 | 5 | 11.0 |
| DC\_66A\_n66A-n78A | 66 | 1775 | 5 | 25 | 2175 | N/A | N/A |
| n66 | 1725 | 5 | 25 | 2125 | 2.8 | IMD5  | 2\*fn78-3\*fB66| |
| n78 | 3725 | 10 | 50 | 3725 | N/A | N/A |
| NOTE 1: This band is subject to IMD3 also which MSD is not specified.  NOTE 2: For DC\_3A\_n3A-n77A, DC\_3A\_n3A-n78A paired with UL\_DC\_3A\_n3A, the 3rd DL bands n77/n78 are subject to IMD2 which MSD is not specified  NOTE 3: This MSD requirement apply with both IMD2 and IMD3 products should be generated.  NOTE 4: This band is subject to IMD5 also which MSD is not specified.  NOTE 5: When Band 46 have self-interference problems by dual uplink CA/EN-DC, then the requirements do not apply in exclusion zone which is frequency range within (harmonics frequency region + FHD) and IMD frequency region as follow.  IMD frequency range   |  |  |  |  | | --- | --- | --- | --- | | DL\_CA configuration | UL\_CA configuration | Exclusion zone center frequency | Exclusion zone BW | | DC\_2A-46A\_n66A | DC\_2A\_n66A | 2\*fc\_2A + fc\_n66A | 2\*BW\_2A + BW\_n66A | | DC\_2A-46A\_n66A | DC\_2A\_n66A | fc\_2A + 2\*fc\_n66A | BW\_2A + 2\*BW\_n66A | | | | | | | | |

###### *------------------------------ Modified 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\_n3-n28 | n28 | 0.2 |
| DC\_1-3\_n41 | n41 | 01 |
| 0.52 |
| 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\_1-7\_n8 | n8 | 0.2 |
| DC\_1-7\_n28 | n28 | 0.2 |
| DC\_1-7\_n40 | 7 | 0.3 |
| n40 | 0.8 |
| DC\_1-7\_n78  DC\_1-7-7\_n78 | 1 | 0.2 |
| 7 | 0.2 |
| n78 | 0.5 |
| DC\_1\_n7-n78 | 1 | 0.2 |
| n7 | 0.2 |
| n78 | 0.5 |
| DC\_1-8\_n28 | 8 | 0.2 |
| n28 | 0.2 |
| DC\_1-8\_n77 |  |  |
| 8 | 0.2 |
| n77 | 0.5 |
| DC\_1-8\_n78 | 8 | 0.2 |
| n78 | 0.5 |
| DC\_1\_n8-n78 | 1 | 0.2 |
| n8 | 0.2 |
| n78 | 0.5 |
| DC\_1-11\_n3 | 11 | 0.3 |
| n3 | 0.5 |
| DC\_1-11\_n77 | 1 | 0.2 |
|  |  |
| n77 | 0.5 |
| DC\_1-11\_n78 | 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 | 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-n3 | 28 | 0.2 |
| DC\_1-28\_n7 | 28 | 0.2 |
| DC\_1-28\_n40 | 28 | 0.2 |
| DC\_1-28\_n77 | 28 | 0.2 |
| n77 | 0.5 |
| DC\_1-28\_n78 | 28 | 0.2 |
| n78 | 0.5 |
| DC\_1\_n28-n78 | n28 | 0.2 |
| n78 | 0.5 |
| DC\_1\_n28-n79 | 1 | 0.3 |
| 28 | 0.3 |
| DC\_1-32\_n78 | n78 | 0.5 |
| DC\_1\_n40-n78 | n78 | 0.5 |
| DC\_1-41\_n3 | 41 | 01/0.52 |
| DC\_1-41\_n28 | n28 | 0.2 |
|  |  |  |
|  |  |
|  |  |
| DC\_1-41\_n77 | n77 | 0.5 |
| DC\_1-41\_n78 | n78 | 0.5 |
| DC\_1-42\_n28 | 42 | 0.5 |
| n28 | 0.5 |
| DC\_1-42\_n77 | 1 | 0.2 |
| 42 | 0.5 |
| n77 | 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 | DC\_1\_n77-n79 | DC\_1\_n77-n79 |
| DC\_1\_n77-n79 | DC\_1\_n77-n79 |
| DC\_1\_SUL\_n77-n80 | 1 | 0.2 |
| n77 | 0.5 |
| DC\_1\_SUL\_n77-n84 | 1 | 0.2 |
| n77 | 0.5 |
| DC\_1\_n78-n79 | n78 | 0.5 |
| DC\_1\_SUL\_n78-n80 | 1 | 0.2 |
| n78 | 0.5 |
| DC\_1-SUL\_n78-n84 | n78 | 0.5 |
| DC\_2-4\_n38 | 2 | 0.3 |
| 4 | 0.5 |
| n38 | 0.5 |
| DC\_2-4\_n41 | 2 | 0.3 |
| 4 | 0.5 |
| n41 | 0.5 |
| DC\_2-5\_n66  DC\_2-5-5\_n66 | 2 | 0.3 |
| n66 | 0.3 |
|  |  |  |
|  |  |
|  |  |
| DC\_2-7\_n38 DC\_2-2-7\_n38 | n38 | 0.2 |
| DC\_2-7\_n66  DC\_2-7-7\_n66 | 2 | 0.3 |
| 7 | 0.5 |
| n66 | 0.5 |
| DC\_2-7\_n71 | n71 | 0.2 |
| DC\_2\_n7-n78 | 2 | 0.2 |
| n7 | 0.5 |
| n78 | 0.5 |
| DC\_2-12\_n66, DC\_2-2-12\_n66 | 2 | 0.3 |
| 12 | 0.5 |
| n66 | 0.3 |
| DC\_2-13\_n66  DC\_2-2-13\_n66 | 2 | 0.3 |
| n66 | 0.3 |
| DC\_2-14\_n66  DC\_2-2-14\_n66 | 2 | 0.3 |
| n66 | 0.3 |
| DC\_2-29\_n66  DC\_2-2-29\_n66 | 2 | 0.3 |
| n66 | 0.3 |
| DC\_2-30\_n5, DC\_2-2-30\_n5 | 2 | 0.4 |
| 30 | 0.5 |
| DC\_2-30\_n66, DC\_2-2-30\_n66 | 2 | 0.4 |
| 30 | 0.5 |
| n66 | 0.4 |
| DC\_2\_n41-n66 | 2 | 0.3 |
| n41 | 0.5 |
| n66 | 0.5 |
| DC\_2\_n41-n71 | 2 | 0 |
| n41 | 0 |
| n71 | 0 |
| DC\_2-48\_n12 | 2 | 0.2 |
| 48 | 0.5 |
| DC\_2-48\_n66 | 2 | 0.3 |
| 48 | 0.5 |
| n66 | 0.3 |
| DC\_2-48\_n71 | 2 | 0.2 |
| 48 | 0.5 |
| DC\_2-66\_n5  DC\_2-2-66\_n5  DC\_2-66-66\_n5  DC\_2-2-66-66\_n5  DC\_2-66-66-66\_n5 | 2 | 0.3 |
| 66 | 0.3 |
| DC\_2-66\_n12 | 2 | 0.3 |
| 66 | 0.3 |
| n12 | 0.5 |
| DC\_2-66\_n25 | 2 | 0.3 |
| 66 | 0.3 |
| n25 | 0.3 |
| DC\_2-66\_n38  DC\_2-2-66\_n38  DC\_2-66-66\_n38 | 2 | 0.3 |
| 66 | 0.5 |
| n38 | 0.5 |
| DC\_2-66\_n41 | 2 | 0.3 |
| 66 | 0.5 |
| n41 | 0.51 |
| 12 |
| DC\_2-66\_n48  DC\_2-66-66\_n48 | 2 | 0.3 |
| 66 | 0.3 |
| n48 | 0.5 |
| DC\_2-66\_n66 | 2 | 0.3 |
| 66 | 0.3 |
| n66 | 0.3 |
| DC\_2-66\_n71  DC\_2\_n66-n71 | 2 | 0.3 |
| 66 | 0.3 |
| DC\_2-66\_n78  DC\_2-66-66\_n78  DC\_2\_n66-n78 | 2 | 0.3 |
| 66 | 0.3 |
| n78 | 0.5 |
| DC\_2-71\_n66  DC\_2-2-71\_n66 | 2 | 0.3 |
| n66 | 0.3 |
| DC\_2-71\_n78  DC\_2-2-71\_n78 | 2 | 0.2 |
| 71 | 0.2 |
| n78 | 0.5 |
| DC\_3\_n1-n7 | 3 | 0 |
| n1 | 0 |
| n7 | 0 |
| DC\_3\_n1-n28 | 3 | 0 |
| n1 | 0 |
| n28 | 0.2 |
| 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\_3-7\_n40 | 7 | 0.3 |
| n40 | 0.8 |
| DC\_3-7\_n77  DC\_3-3-7\_n77  DC\_3-7-7\_n77  DC\_3-3-7-7\_n77 | 3 | 0.2 |
| 7 | 0.2 |
| n77 | 0.5 |
| DC\_3-7\_n8 | n8 | 0.2 |
| 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\_n7-n78 | 3 | 0.2 |
| n7 | 0.2 |
| n78 | 0.5 |
| DC\_3-8\_n28 | 8 | 0.2 |
| n28 | 0.1 |
| DC\_3-8\_n77 | 3 | 0.2 |
| 8 | 0.2 |
| n77 | 0.5 |
| DC\_3-8\_n78  DC\_3-3-8\_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 |
|  |  |
| n78 | 0.5 |
| 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\_3-20\_n78 | 3 | 0.2 |
| n78 | 0.5 |
| DC\_3\_n20-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\_n5 | 28 | 0.1 |
| n5 | 0.1 |
| DC\_3-28\_n41 | n41 | 01/0.52 |
| DC\_3-28\_n78 | 3 | 0.2 |
| n78 | 0.5 |
| DC\_3\_n28-n78 | 3 | 0.2 |
| n78 | 0.5 |
| DC\_3-32\_n78 | 3 | 0.2 |
| n78 | 0.5 |
| DC\_3-38\_n78 | 3 | 0.2 |
| 38 | 0.4 |
| n78 | 0.5 |
| DC\_3\_n40-n41 | 3 | 0 |
| n40 | 0 |
| n41 | 04 |
| 0.53 |
| DC\_3-41\_n28 | 3 | 0 |
| 41 | 01/0.52 |
| n28 | 0 |
| DC\_3-41\_n41 | 41 | 03 |
| 0.54 |
| n41 | 03 |
| 0.54 |
| DC\_3-(n)41 | 41 | 03 |
| 0.54 |
| n41 | 03 |
| 0.54 |
| 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 |
| DC\_3\_SUL\_n41-n80 | n41 | 0.53 |
| DC\_3-42\_n28 | 3 | 0.2 |
| 42 | 0.5 |
| n28 | 0.5 |
| 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 |
| DC\_3\_SUL\_n77-n80 | 3 | 0.2 |
| n77 | 0.5 |
| DC\_3\_SUL\_n77-n84 | 3 | 0.2 |
| n77 | 0.5 |
| DC\_3\_n78-n79 | 3 | 0.2 |
| n78 | 0.5 |
|  |  |
| DC\_3-SUL\_n78-n80 | 3 | 0.2 |
| n78 | 0.5 |
| DC\_3-SUL\_n78-n82 | 3 | 0.2 |
| n78 | 0.5 |
| DC\_3\_SUL\_n78-n84 | 3 | 0.2 |
| n78 | 0.5 |
| DC\_5-7\_n71 | n71 | 0.2 |
| DC\_5-7\_n78, DC\_5-7-7\_n78 , DC\_5\_n7-n78 | 5 | 0.2 |
| 7 or n7 | 0.2 |
| n78 | 0.5 |
|  |  |  |
|  |  |
|  |  |
| DC\_5\_(n)12 | 5 | 0.5 |
| 12 | 0.3 |
| n12 | 0.3 |
| DC\_5\_30\_n66 | 30 | 0.5 |
| n66 | 0.4 |
| DC\_5-66\_n2  DC\_5-5-66\_n2  DC\_5-66-66\_n2  DC\_5-5-66-66\_n2 | 66 | 0.3 |
| n2 | 0.3 |
| DC\_5-66\_n78 | 5 | 0.2 |
| 66 | 0.2 |
| n78 | 0.5 |
| DC\_7\_n1-n78 | 7 | 0.2 |
| n1 | 0.2 |
| n78 | 0.5 |
| DC\_7\_n3-n78 | 7 | 0.2 |
| n3 | 0.2 |
| n78 | 0.5 |
| DC\_7\_n7-n78 | 7 | 0.5 |
| n7 | 0.5 |
| n78 | 0.5 |
| DC\_7-8\_n1  DC\_7-7-8\_n1 | 8 | 0.2 |
| DC\_7-8\_n3 | 8 | 0.2 |
| DC\_7-8\_n77 |  |  |
| 8 | 0.2 |
| n77 | 0.5 |
| DC\_7-8\_n78  DC\_7-7-8\_n78 | 8 | 0.2 |
| n78 | 0.5 |
| DC\_7-13\_n66 | 7 | 0.5 |
| n66 | 0.5 |
| DC\_7-20\_n28 | 20 | 0.2 |
| n28 | 0.2 |
| DC\_7-20\_n78 | n78 | 0.5 |
| DC\_7-28\_n40 | n40 | 0.5 |
| DC\_7-28\_n78 | n78 | 0.5 |
| DC\_7\_n28-n78 | n78 | 0.5 |
| DC\_7-40\_n1 | 7 | 0.3 |
| 40 | 0.8 |
|  |  |
| DC\_7-46\_n78 | n78 | 0.5 |
| DC\_7-66\_n38 | n38 | 0.2 |
| DC\_7-66\_n66  DC\_7-7-66\_n66 | 7 | 0.5 |
| 66 | 0.5 |
| n66 | 0.5 |
| DC\_7\_n66-n78  DC\_7-7\_n66-n78 | 7 | 0.5 |
| n66 | 0.5 |
| n78 | 0.5 |
| DC\_7-66\_n71 DC\_7-66-66\_n71 | 7 | 0.5 |
| 66 | 0.5 |
| n71 | 0.1 |
| DC\_7\_SUL\_n78-n80 | 7 | 0.2 |
| n78 | 0.5 |
| DC\_8\_n1-n78 | 8 | 0.2 |
|  |  |
| n78 | 0.5 |
| DC\_8\_n3-n28 | 8 | 0.2 |
|  |  |
| n28 | 0.1 |
| DC\_8-11\_n3 | 11 | 0.3 |
| n3 | 0.5 |
| DC\_8-11\_n77 | 8 | 0.2 |
| n77 | 0.5 |
| DC\_8-11\_n78 | 8 | 0.2 |
| n78 | 0.2 |
| DC\_8-20\_n78 | 8 | 0.2 |
| n78 | 0.5 |
| DC\_8-42\_n28 | 8 | 0.2 |
| 42 | 0.5 |
| n28 | 0.5 |
| DC\_8-42\_n77 | 8 | 0.2 |
| 42 | 0.5 |
| n77 | 0.5 |
| DC\_8\_SUL\_n78-n80 | 8 | 0.2 |
| n78 | 0.5 |
| DC\_8A-SUL\_n78-n81 | 8 | 0.2 |
| n78 | 0.2 |
| DC\_11-18\_n77 | n77 | 0.5 |
| DC\_11-18\_n78 | n78 | 0.5 |
| DC\_12\_(n)5 | 5 | 0.5 |
| 12 | 0.3 |
| n5 | 0.5 |
| DC\_12\_n7-n78 | 12 | 0.2 |
| n7 | 0.5 |
| n78 | 0.5 |
| DC\_12-30\_n2 | 30 | 0.5 |
| n2 | 0.4 |
| DC\_12-30\_n66 | 12 | 0.5 |
| 30 | 0.5 |
| n66 | 0.4 |
| DC\_12-66\_n2 | 12 | 0.5 |
| 66 | 0.3 |
| n2 | 0.3 |
| DC\_12-66\_n25 | 12 | 0.5 |
| 66 | 0.3 |
| n25 | 0.3 |
| DC\_13-48\_n2 | 48 | 0.5 |
| n2 | 0.2 |
| DC\_13-48\_n66 | 48 | 0.5 |
| n66 | 0.2 |
| DC\_13-66\_n2  DC\_13-66-66\_n2 | 66 | 0.3 |
| n2 | 0.3 |
| DC\_13-66\_n48  DC\_13-66-66\_n48 | 66 | 0.2 |
| n48 | 0.5 |
| DC\_14-66\_n2 DC\_14-66-66\_n2 | 66 | 0.3 |
| n2 | 0.3 |
| DC\_18\_n3-n78 | 18 | 0 |
| n3 | 0.2 |
| n78 | 0.5 |
| DC\_18-28\_n77 | n77 | 0.5 |
| DC\_18-28\_n78 | n78 | 0.5 |
| DC\_18-41\_n3 | 41 | 01/0.52 |
| DC\_18-41\_n77 | n77 | 0.5 |
| DC\_18-41\_n78 | n78 | 0.5 |
| DC\_18-42\_n77 |  |  |
| 42 | 0.5 |
| n77 | 0.5 |
| DC\_18-42\_n78 | 42 | 0.5 |
| n78 | 0.5 |
| DC\_18-42\_n79 | 42 | 0.5 |
| 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 | n77 | 0.5 |
| DC\_19\_n78-n79 | n78 | 0.5 |
|  |  |
| DC\_20\_n1-n28 |  |  |
| n1 | 0.2 |
| n28 | 0.2 |
| DC\_20\_n1-n78 | n78 | 0.5 |
| DC\_20\_n3-n78 | n3 | 0.2 |
| n78 | 0.5 |
| DC\_20\_n28-n75 | n28 | 0.2 |
| DC\_20\_n28-n78 | 20 | 0.2 |
| n28 | 0.2 |
| n78 | 0.5 |
| DC\_20-32\_n78 | n78 | 0.5 |
| DC\_20-38\_n78 | 38 | 0.4 |
| n78 | 0.5 |
| DC\_20-(n)41 | 20 | 0.3 |
| 41 | 0.3 |
| n41 | 0.3 |
| DC\_20\_n75-n78 | n78 | 0.5 |
| DC\_20\_n76-n78 | 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 |
| 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 | n77 | 0.5 |
| DC\_21\_n78-n79 | n78 | 0.5 |
| DC\_25-41\_n41  DC\_25\_(n)41  DC\_25-25-41\_n41  DC\_25-25\_(n)41 | 41 | 01 |
| 0.52 |
| n41 | 01 |
| 0.52 |
| DC\_28-SUL\_n78-n83 | 28 | 0.2 |
| n78 | 0.5 |
| DC\_28\_n3-n78 | 28 | 0 |
| n3 | 0.2 |
| n78 | 0.5 |
| DC\_28\_n7-n78 | n78 | 0.5 |
| DC\_28-41\_n77 | 28 | 0.2 |
| n77 | 0.5 |
| DC\_28-41\_n78 | 28 | 0.2 |
| n78 | 0.5 |
| DC\_28-41\_n79 | n79 | 0.5 |
| 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\_29-66\_n2  DC\_29-66-66\_n2 | 66 | 0.3 |
| n2 | 0.3 |
| DC\_30-66\_n2 | 30 | 0.5 |
| 66 | 0.4 |
| n2 | 0.4 |
| DC\_30-66\_n5  DC\_30-66-66\_n5  DC\_30-66-66-66\_n5 | 66 | 0.4 |
| n5 | 0.5 |
| 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\_46-66\_n41 | 66 | 0.5 |
| n41 | 0.51 |
| 12 |
| DC\_48-66\_n5 | 48 | 0.5 |
| 66 | 0.2 |
| DC\_48-66\_n12 | 48 | 0.5 |
| 66 | 0.2 |
| DC\_48-66\_n71 | 48 | 0.5 |
| 66 | 0.2 |
| DC\_66\_n7-n78 | 66 | 0.2 |
| n7 | 0.5 |
| n78 | 0.5 |
| DC\_66\_n25-n41 | 66 | 0.5 |
| n25 | 0.5 |
| n41 | 0.51 |
| 12 |
| DC\_66\_n25-n71 | 66 | 0.3 |
| n25 | 0.5 |
| DC\_66\_n41-n71 | 66 | 0.5 |
| n41 | 0.51 |
| 12 |
| n71 | 0.5 |
| DC\_66\_n66-n78 | 66 | 0.2 |
| n66 | 0.2 |
| n78 | 0.5 |
| DC\_66-71\_n38 | 66 | 0.5 |
| 71 | 0.5 |
| n38 | 0.5 |
| DC\_66-71\_n78 | 66 | 0.2 |
| 71 | 0.2 |
| n78 | 0.5 |
| DC\_66-SUL\_n78-n86 | 66 | 0.2 |
| n78 | 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.  NOTE 3: The requirement is applied for UE transmitting on the frequency range of 2496 – 2515 MHz.  NOTE 4: The requirement is applied for UE transmitting on the frequency range of 2515 - 2690 MHz | | |

###### *------------------------------ End of modified section ------------------------------*