**3GPP TSG-RAN WG4 Meeting #100-e *R4-2115134***

**Electronic meeting, August 16-27, 2021**

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| *CR-Form-v12.1* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
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|  | **38.101-03** | **CR** | **<CR#>** | **rev** | **-** | **Current version:** | **16.8.0** |  |
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| *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:*** | Big CR for TS 38.101-3 Maintenance part1 (Rel-16) | | | | | | | | | |
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| ***Source to WG:*** | MCC, Ericsson | | | | | | | | | |
| ***Source to TSG:*** | R4 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | DC\_R16\_xBLTE\_2BNR\_yDL2UL-Core  NR\_CADC\_R16\_2BDL\_xBUL  DC\_R16\_1BLTE\_1BNR\_2DL2UL-Core  NR\_newRAT-Core  DC\_R16\_2BLTE\_1BNR\_3DL2UL-Core  NR\_RF\_FR1-Core  LTE\_NR\_B41\_Bn41\_PC29dBm-Core | | | | |  | ***Date:*** | | | 2021-08-29 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | **F** |  | | | | | ***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-15 (Release 15) Rel-16 (Release 16) Rel-17 (Release 17) Rel-18 (Release 18)* | |
|  |  | | | | | | | | | |
| ***Reason for change:*** | | This big CRs merge the mutile endorsed draf CRs. The reason for change in each endorsed draft CR is copied below.  R4-2112579 draft CR for correction on completed combinations with remove errors  Some Rel.16 combinations were accidenelty removed during corrections.  R4-2112895 draft CR for mandatory simultaneous Rx/Tx capability for FR1+FR2 NR-DC combinations  Based on the LS from RAN2 R2-2102495 and the LS reply from RAN4 R4-2108003, the following statements can be observed.  - The simultaneous Rx/Tx capability is needed for any TDD-TDD and TDD-FDD inter-band NR DC.  - With the legacy RAN2 signalling, it is feasible to indicate simultaneous RxTx UE capability separately for NR CA and NR-DC.  But currently the notes of mandatory simultaneous Rx/Tx capability for FR1+FR2 NR-DC configurations are missing.  R4-2112917 Draft CR to TS38.101-3 Missing MSD due to cross band isolation for DC\_3-n34  In last meeting, the MSD caused by cross band isolation for CA\_n3A-n34A was approved in R4-2107699. However, there are no cross band isolation MSD values defined for DC\_3\_n34. To keep consistency between NR CA and DC configurations, the same MSD values are proposed to be defined for the corresponding CBWs for DC\_3\_n34.  R4-2113437 Draft CR for 38.101-3 to correct the MSD test points  The frequency points for DC\_3A-20A\_n28A and DC\_7A-20A\_n28A are not correct since band n28 is restricted in frequency range 703~733MHz for DC\_20\_n28.  The RB allocations for DC\_3A-41A\_n78A can’t support DFT-S-OFDM waveform.  R4-2113439 Draft CR for 38.101-3 correct the MSD test table and remove UL configuration  The RB allocations for DC\_1A\_n8A-n78A, DC\_3A-20A\_n41A and DC\_28A\_n3A-n77A can’t support DFT-S-OFDM waveform.  The requirements and fallback combos for UL configuration DC\_3C\_n7B of DC\_3C-28A\_n7B are not completed.  R4- 2114028 Draft CR TS 38.101-3: Addition of missing lower order fallbacks  These configurations have relating higher order configurations already in REL16 specs.  DC\_3A\_n7A-n28A  DC\_3C\_n7A-n28A  DC\_3A\_n7A-n78(2A)  DC\_3C\_n7A-n78(2A)  R4-2114391 Draft CR on Spurious co-existence corrections for Dual connectivity including band n28  NOTES 9, 14 and 17 are applicable to some band combos including band n28 but for such band combos referred frequencies in those notes belong to NR carrier. Hence those notes are not accurate  R4-2114911 draftCR for TS 38.101-3 Rel-16: Applying n40 and n41 spurious emissions on DC  With the resent agreement on n40 and n41 single band emission requirements, the emission limits for DC combinations require an update to match new conditions.  R4-2114913 Draft CR on Correction of PC1.5 EN-DC in TS38.101-3 Rel-16  PC1.5 EN-DC were specified in TS38.101-3 v16.4.0. However, the specification is not clear to support PC1.5 DC UE for DC\_(n)41AA and DC\_41A\_n41A in section 6.2B.3 for A-MPR requirements.  R4-2115082 Correction on scaling number for EN-DC MPR and A-MPR  For some MPR and A-MPR equations, the scaling number of Hz to MHz has been mistakenly written as “1,000.000” while the correct one should be “1,000,000”. These errors may bring confusion since they are 1000 times smaller than the correct one.  In addition, in the same equations, SCSNR and SCSE-UTRA have been written as “15 kHz”, and this is difficult to be used in the same euqitaion where other frequency unit is Hz. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | The summary of change in each endorsed draft CR is copied below.  R4-2112579 draft CR for correction on completed combinations with remove errors  The following combinations are existing in V.16.3.0, but were accidently removed by the correction CR and implemention error in the V.16.4.0 version.  - DC\_3A-7A\_n78A-n257A/D/E/F/G/H/I/J/K/L/M  - DC\_3A-7A-7A\_n78A-n257A/D/E/F/G/H/I/J/K/L/M  R4-2112895 draft CR for mandatory simultaneous Rx/Tx capability for FR1+FR2 NR-DC combinations  Update the note of mandatory simultaneous Rx/Tx capability for some FR1+FR2 NR-DC configurations based on the reasons above.  R4-2112917 Draft CR to TS38.101-3 Missing MSD due to cross band isolation for DC\_3-n34  Add MSD values caused by cross band isolation for DC\_3\_n34  R4-2113437 Draft CR for 38.101-3 to correct the MSD test points   1. The frequency points for DC\_3A-20A\_n28A and DC\_7A-20A\_n28A are corrected. 2. 52 RB allocations are changed into 50 RB.   R4-2113439 Draft CR for 38.101-3 correct the MSD test table and remove UL configuration   1. 52 RB allocations are changed into 50 RB. 2. To remove the UL configuration DC\_3C\_n7B of DC\_3C-28A\_n7B   R4- 2114028 Draft CR TS 38.101-3: Addition of missing lower order fallbacks  Missing lower order fallbacks are added.  R4-2114391 Draft CR on Spurious co-existence corrections for Dual connectivity including band n28  Notes 9, 14 and 17 to be aplicable to either E-UTRA and NR.  R4-2114911 draftCR for TS 38.101-3 Rel-16: Applying n40 and n41 spurious emissions on DC  Changed emission limit for n40 to -40dBm/MHz: DC\_1\_n41, DC\_3\_n41, DC\_8\_n41, DC\_20\_n41, DC\_28\_n41, DC\_39\_n41, DC\_41\_n3, DC\_41\_n28, DC\_41\_n77, DC\_41\_n78, DC\_41\_n79  DC\_(n)41: Added n40 to coexistence list with emission limit of -40dBm/MHz  DC\_41\_n41: Added n40 to coexistence list with emission limit of  -40dBm/MHz  R4-2114913 Draft CR on Correction of PC1.5 EN-DC in TS38.101-3 Rel-16  Update the contents in section 6.2B.3.1.2.1 and section 6.2B.3.1.2.2   * revised to support to PC1.5 UE for PC2 cell group.   : A-MPR in this clause is relative to 29 dBm for a power class 1.5 UE.   * Add new sentence how to decide the detail A-MPR values   : The detail A-MPR values are decided based on the modified MPR behaviour in in Annex H.1  Remove 26dBm Power class in Title of 6.2B.3.1.2.2  R4-2115082 Correction on scaling number for EN-DC MPR and A-MPR  Correct the in correct scaling number of “1,000.000” to “1,000,000” for the MPR and A-MPR equations.  In the same equations, using “15,000 Hz” rather than “15 kHz”. | | | | | | | | |
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| ***Consequences if not approved:*** | | The consequences if not approved for each endorsed draft CR are coppied below.  R4-2112579 draft CR for correction on completed combinations with remove errors  Some completed combinations remain missing.  R4-2112895 draft CR for mandatory simultaneous Rx/Tx capability for FR1+FR2 NR-DC combinations  The notes of mandatory simultaneous Rx/Tx capability for some FR1+FR2 NR-DC configurations remain missing and the specification remains unclear.  R4-2112917 Draft CR to TS38.101-3 Missing MSD due to cross band isolation for DC\_3-n34  MSD values caused by cross band isolation are missing for DC\_3\_n34.  R4-2113437 Draft CR for 38.101-3 to correct the MSD test points  The errors in the MSD test points are not corrected.  R4-2113439 Draft CR for 38.101-3 correct the MSD test table and remove UL configuration  The errors in the MSD test points and DC\_3C-28A\_n7B aren’t corrected.  R4- 2114028 Draft CR TS 38.101-3: Addition of missing lower order fallbacks  Lower order fallbacks are missing.  R4-2114391 Draft CR on Spurious co-existence corrections for Dual connectivity including band n28  Core requirements will remain incorrect  R4-2114911 draftCR for TS 38.101-3 Rel-16: Applying n40 and n41 spurious emissions on DC  Emission requirements for all DC combinations with n41 are wrong.  R4-2114913 Draft CR on Correction of PC1.5 EN-DC in TS38.101-3 Rel-16  The A-MPR values for PC1.5 EN-DC UE is not cleared.  R4-2115082 Correction on scaling number for EN-DC MPR and A-MPR  There are errors in the scaling number of MPR and A-MPR equations | | | | | | | | |
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| ***Clauses affected:*** | | R4-2112579 draft CR for correction on completed combinations with remove errors  5.5B.6.3  R4-2112895 draft CR for mandatory simultaneous Rx/Tx capability for FR1+FR2 NR-DC combinations  5.5B.7.1, 5.5B.7.2  R4-2112917 Draft CR to TS38.101-3 Missing MSD due to cross band isolation for DC\_3-n34  7.3B.2.3.4  R4-2113437 Draft CR for 38.101-3 to correct the MSD test points  7.3B.2.3.5.2  R4-2113439 Draft CR for 38.101-3 correct the MSD test table and remove UL configuration  5.5B.4.2, 7.3B.2.3.5.2  R4- 2114028 Draft CR TS 38.101-3: Addition of missing lower order fallbacks  5.5B.4.2, 7.3B.2.3.5.2  R4-2114391 Draft CR on Spurious co-existence corrections for Dual connectivity including band n28  6.5B.3.3.2  R4-2114911 draftCR for TS 38.101-3 Rel-16: Applying n40 and n41 spurious emissions on DC  6.5B.3.1.2, 6.5B.3.2.2, 6.5B.3.3  R4-2114913 Draft CR on Correction of PC1.5 EN-DC in TS38.101-3 Rel-16  6.2B.3.1.2.1 and 6.2B.3.1.2.2  R4-2115082 Correction on scaling number for EN-DC MPR and A-MPR  6.2B.2.1.2, 6.2B.2.2.2, 6.2B.3.1.2 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **Y** | **N** |  | | | |  | | |
| ***Other specs*** | |  | **x** | Other core specifications | | | | TS/TR ... CR ... | | |
| ***affected:*** | | **x** |  | Test specifications | | | | 38.521-3... | | |
| ***(show related CRs)*** | |  | **x** | O&M Specifications | | | | TS/TR ... CR ... | | |
|  | |  | | | | | | | | |
| ***Other comments:*** | |  | | | | | | | | |
|  | |  | | | | | | | | |
| ***This CR's revision history:*** | |  | | | | | | | | |

***--------------------<Start of change1>--------------------------------***

#### 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\_n41A5  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)5 | 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-n78A5 | 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-n78A5 | 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\_n8A-n40A | DC\_1A\_n8A  DC\_1A\_n40A |
| DC\_1A-8A\_n77A5 | DC\_1A\_n77A  DC\_8A\_n77A |
| DC\_1A-8A\_n77(2A)5 | DC\_1A\_n77A  DC\_8A\_n77A |
| DC\_1A-8A\_n78A5 | DC\_1A\_n78A  DC\_8A\_n78A |
| DC\_1A\_n8A-n78A5 | DC\_1A\_n8A  DC\_1A\_n78A |
| DC\_1A-8A\_n79A5 | DC\_1A\_n79A  DC\_8A\_n79A |
| DC\_1A-11A\_n3A | DC\_1A\_n3A  DC\_11A\_n3A |
| DC\_1A-11A\_n77A5 | DC\_1A\_n77A  DC\_11A\_n77A |
| DC\_1A-11A\_n77(2A)5 | DC\_1A\_n77A  DC\_11A\_n77A |
| DC\_1A-11A\_n78A5 | 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\_n28A6,11,12 | DC\_1A\_n28A  DC\_20A\_n28A |
| DC\_1A-20A\_n38A | DC\_1A\_n38A  DC\_20A\_n38A |
| DC\_1A-20A\_n41A | DC\_1A\_n41A  DC\_20A\_n41A |
| 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\_n28A-n40A | DC\_1A\_n28A  DC\_1A\_n40A |
| 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-n77A5  DC\_1A\_n28A-n77(2A)5 | DC\_1A\_n28A  DC\_1A\_n77A |
| DC\_1A\_n28A-n78A5 | DC\_1A\_n28A  DC\_1A\_n78A |
| DC\_1A-28A\_n79A5  DC\_1A-28A\_n79C5 | 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-n78(2A) | DC\_1A\_n40A  DC\_1A\_n78A |
| DC\_1A-41A\_n3A5  DC\_1A-41C\_n3A5 | DC\_41A\_n3A  DC\_41C\_n3A |
| DC\_1A-41A\_n28A5  DC\_1A-41C\_n28A5 | 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\_n41A-n78A | DC\_1A\_n41A  DC\_1A\_n78A |
| DC\_1A-41A\_n78(2A)  DC\_1A-41C\_n78(2A) | DC\_1A\_n78A  DC\_41A\_n78A  DC\_41C\_n78A |
| DC\_1A-41A\_n79A5  DC\_1A-41C\_n79A5 | DC\_1A\_n79A |
| DC\_1A-42A\_n28A5 | DC\_1A\_n28A  DC\_42A\_n28A |
| DC\_1A-42C\_n28A5 | DC\_1A\_n28A  DC\_42A\_n28A  DC\_42C\_n28A |
| DC\_1A-42A\_n77A10,11  DC\_1A-42A\_n77C10,11  DC\_1A-42C\_n77A10,11  DC\_1A-42C\_n77C10,11  DC\_1A-42D\_n77A10,11  DC\_1A-42D\_n77C10,11  DC\_1A-42E\_n77A10,11  DC\_1A-42E\_n77C10,11 | DC\_1A\_n77A |
| DC\_1A-42A\_n77(2A) 10,11  DC\_1A-42C\_n77(2A) 10,11 | DC\_1A\_n77A |
| DC\_1A-42A\_n78A10,11  DC\_1A-42A\_n78C10,11  DC\_1A-42C\_n78A10,11  DC\_1A-42C\_n78C10,11  DC\_1A-42D\_n78A10,11  DC\_1A-42D\_n78C10,11  DC\_1A-42E\_n78A10,11  DC\_1A-42E\_n78C10,11 | 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\_n75A-n78A  DC\_1A\_n75A-n78(2A) | DC\_1A\_n78A |
| 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\_n79A |
| 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\_n7(2A)-n78A | DC\_2A\_n7A  DC\_2A\_n78A |
| DC\_2A\_n7A-n78(2A) | DC\_2A\_n7A  DC\_2A\_n78A |
| DC\_2A\_n7(2A)-n78(2A) | 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\_n2A | DC\_2A\_n2A2  DC\_30A\_n2A |
| 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\_n38A-n78A | DC\_2A\_n38A  DC\_2A\_n78A |
| 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\_n2A | DC\_2A\_n2A2  DC\_66A\_n2A |
| 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-n40A | DC\_3A\_n1A  DC\_3A\_n40A |
| DC\_3A\_n1A-n77A5 | DC\_3A\_n1A  DC\_3A\_n77A |
| DC\_3A\_n1A-n78A5  DC\_3C\_n1A-n78A5 | DC\_3A\_n1A  DC\_3A\_n78A |
| DC\_3A-3A\_n1A-n78A5 | DC\_3A\_n1A  DC\_3A\_n78A |
| DC\_3A\_n1A-n79A5 | DC\_3A\_n1A  DC\_3A\_n79A |
| DC\_3A\_n3A-n77A5 | DC\_3A\_n77A  DC\_3A\_n3A2 |
| DC\_3A\_n3A-n78A5 | DC\_3A\_n78A  DC\_3A\_n3A2 |
| DC\_3A-5A\_n78A5 | DC\_3A\_n78A  DC\_5A\_n78A |
| DC\_3A\_n5A-n78A5  DC\_3C\_n5A-n78A5 | DC\_3A\_n5A  DC\_3A\_n78A  DC\_3C\_n5A  DC\_3C\_n78A |
| DC\_3A-5A\_n79A5 | 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\_n77A5 | DC\_3A\_n77A  DC\_7A\_n77A |
| DC\_3A-3A-7A\_n77A5  DC\_3A-7A-7A\_n77A5  DC\_3A-3A-7A-7A\_n77A5 | 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\_n7A-n28A  DC\_3C\_n7A-n28A | DC\_3A\_n7A  DC\_3A\_n28A  DC\_3C\_n7A  DC\_3C\_n28A |
| DC\_3A-3A-7A\_n78A5  DC\_3A-7A-7A\_n78A5  DC\_3A-3A-7A-7A\_n78A5 | DC\_3A\_n78A  DC\_7A\_n78A |
| DC\_3A\_n7A-n78A5  DC\_3A\_n7B-n78A5  DC\_3C\_n7A-n78A5  DC\_3C\_n7B-n78A5 | DC\_3A\_n7A  DC\_3C\_n7A  DC\_3A\_n78A |
| DC\_3A-3A\_n7A-n78A5  DC\_3A-3A\_n7B-n78A5 | DC\_3A\_n7A  DC\_3A\_n7B  DC\_3A\_n78A |
| DC\_3A\_n7A-n78(2A)  DC\_3C\_n7A-n78(2A) | DC\_3A\_n7A  DC\_3A\_n78A  DC\_3C\_n7A  DC\_3C\_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\_n8A-n40A | DC\_3A\_n8A  DC\_3A\_n40A |
| DC\_3A-8A\_n28A | DC\_3A\_n28A  DC\_8A\_n28A |
| DC\_3A-8A\_n77A5 | DC\_3A\_n77A  DC\_8A\_n77A |
| DC\_3A-8A\_n77(2A)5 | DC\_3A\_n77A  DC\_8A\_n77A |
| DC\_3A-8A\_n78A5  DC\_3C-8A\_n78A5 | DC\_3A\_n78A  DC\_8A\_n78A |
| DC\_3A-3A-8A\_n78A5 | DC\_3A\_n78A  DC\_8A\_n78A |
| DC\_3A-8A\_n79A5 | DC\_3A\_n79A  DC\_8A\_n79A |
| DC\_3A\_n8A-n78A5 | DC\_3A\_n8A  DC\_3A\_n78A |
| 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\_n28A11,12 | 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\_n20A-n78A | DC\_3A\_n20A  DC\_3A\_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\_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\_n28A-n40A | DC\_3A\_n28A  DC\_3A\_n40A |
| DC\_3A-28A\_n41A5 | **DC\_3A\_n41A**  DC\_28A\_n41A |
| DC\_3A-28A\_n77A5  DC\_3A-28A\_n77C5 | DC\_3A\_n77A  DC\_28A\_n77A |
| DC\_3A-28A\_n77(2A)5 | DC\_3A\_n77A  DC\_28A\_n77A |
| DC\_3A\_n28A-n77A5 | DC\_3A\_n28A  DC\_3A\_n77A |
| DC\_3A\_n28A-n77(2A)5 | DC\_3A\_n28A  DC\_3A\_n77A |
| DC\_3A-28A\_n78A5  DC\_3C-28A\_n78A5  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-n78A5 | DC\_3A\_n28A  DC\_3A\_n78A  DC\_3C\_n28A |
| DC\_3A-28A\_n79A5  DC\_3A-28A\_n79C5 | 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\_n40A-n79A | DC\_3A\_n40A  DC\_3A\_n79A |
| DC\_3A-41A\_n28A5 | DC\_3A\_n28A  DC\_41A\_n28A |
| DC\_3A-41C\_n28A5 | 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\_n41A-n78A | DC\_3A\_n41A  DC\_3A\_n78A |
| DC\_3A-41A\_n78(2A)  DC\_3A-41C\_n78(2A) | DC\_3A\_n78A  DC\_41A\_n78A  DC\_41C\_n78A |
| DC\_3A-42A\_n28A5 | DC\_3A\_n28A  DC\_42A\_n28A |
| DC\_3A-42C\_n28A5 | DC\_3A\_n28A  DC\_42A\_n28A  DC\_42C\_n28A |
| DC\_3A-41A\_n79A5  DC\_3A-41C\_n79A5 | DC\_3A\_n79A  DC\_41A\_n79A |
| DC\_3A\_n41A-n79A5 | DC\_3A\_n41A  DC\_3A\_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\_n77A10,11  DC\_3A-42A\_n77C10,11  DC\_3A-42C\_n77A10,11  DC\_3A-42C\_n77C10,11  DC\_3A-42D\_n77A10,11  DC\_3A-42D\_n77C10,11  DC\_3A-42E\_n77A10,11  DC\_3A-42E\_n77C10,11 | DC\_3A\_n77A |
| DC\_3A-42A\_n77(2A) 10,11  DC\_3A-42C\_n77(2A) 10,11 | DC\_3A\_n77A |
| DC\_3A-42A\_n78A10,11  DC\_3A-42A\_n78C10,11  DC\_3A-42C\_n78A10,11  DC\_3A-42C\_n78C10,11  DC\_3A-42D\_n78A10,11  DC\_3A-42D\_n78C10,11  DC\_3A-42E\_n78A10,11  DC\_3A-42E\_n78C10,11 | 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\_n75A-n78A | DC\_3A\_n78A |
| DC\_3A\_n75A-n78(2A) | DC\_3A\_n78A |
| 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\_n7(2A)-n78A | DC\_5A\_n7A  DC\_5A\_n78A |
| DC\_5A\_n7A-n78(2A) | DC\_5A\_n7A  DC\_5A\_n78A |
| DC\_5A\_n7(2A)-n78(2A) | 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-n40A | DC\_7A\_n1A  DC\_7A\_n40A |
| DC\_7A\_n1A-n78A5  DC\_7C\_n1A-n78A5 | DC\_7A\_n1A  DC\_7A\_n78A  DC\_7C\_n1A  DC\_7C\_n78A |
| DC\_7A-7A\_n1A-n78A5 | 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  DC\_7A\_n78A  DC\_7C\_n78A |
| DC\_7A\_n7A-n78A5 | 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\_n8A-n40A | DC\_7A\_n8A  DC\_7A\_n40A |
| DC\_7A-8A\_n77A5 | DC\_7A\_n77A  DC\_8A\_n77A |
| DC\_7A-8A\_n78A5 | DC\_7A\_n78A  DC\_8A\_n78A |
| DC\_7A-7A-8A\_n78A5 | DC\_7A\_n78A  DC\_8A\_n78A |
| DC\_7A\_n8A-n78A5 | DC\_7A\_n8A  DC\_7A\_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\_n28A6,11,12 | 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\_n28A-n40A | DC\_7A\_n28A  DC\_7A\_n40A |
| 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\_7C\_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-n78A5 | 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\_n77A5 | DC\_8A\_n77A  DC\_11A\_n77A |
| DC\_8A-11A\_n77(2A)5 | DC\_8A\_n77A  DC\_11A\_n77A |
| DC\_8A-11A\_n78A5 | DC\_8A\_n78A  DC\_11A\_n78A |
| DC\_8A-20A\_n78A | DC\_8A\_n78A  DC\_20A\_n78A |
| DC\_8A\_n28A-n77A5 | DC\_8A\_n28A  DC\_8A\_n77A |
| DC\_8A\_n28A-n77(2A)5 | DC\_8A\_n28A  DC\_8A\_n77A |
| DC\_8A\_n40A-n41A | DC\_8A\_n40A  DC\_8A\_n41A |
| DC\_8A\_n40A-n79A | DC\_8A\_n40A  DC\_8A\_n79A |
| DC\_8A\_n41A-n79A5 | DC\_8A\_n41A  DC\_8A\_n79A |
| DC\_8A-42A\_n28A5 | DC\_8A\_n28A  DC\_42A\_n28A |
| DC\_8A-42C\_n28A5 | 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\_n41A,  DC\_8A\_n81A\_ULSUP-TDM\_n41A |
| 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\_SUL\_n79A-n81A5 | DC\_8A\_n79A,  DC\_8A\_n81A\_ULSUP-TDM\_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\_n7(2A)-n78A | DC\_12A\_n7A  DC\_12A\_n78A |
| DC\_12A\_n7A-n78(2A) | DC\_12A\_n7A  DC\_12A\_n78A |
| DC\_12A\_n7(2A)-n78(2A) | 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\_18A\_n3A-n77A | DC\_18A\_n3A  DC\_18A\_n77A |
| 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 |
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| DC\_18A-42A\_n79A  DC\_18A-42C\_n79A | DC\_18A\_n79A |
| DC\_19A-21A\_n78A5,10,11  DC\_19A-21A\_n78C5,10,11 | 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 |
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| DC\_19A-42A\_n78A10,11  DC\_19A-42A\_n78C10,11  DC\_19A-42C\_n78A10,11  DC\_19A-42C\_n78C10,11  DC\_19A-42D\_n78A10,11  DC\_19A-42D\_n78C10,11 | DC\_19A\_n78A |
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| DC\_19A\_n77A-n79A | DC\_19A\_n77A  DC\_19A\_n79A |
| DC\_19A\_n78A-n79A | DC\_19A\_n78A  DC\_19A\_n79A |
| DC\_20A\_n1A-n7A | DC\_20A\_n1A  DC\_20A\_n7A |
| DC\_20A\_n1A-n28A | DC\_20A\_n1A  DC\_20A\_n28A |
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| DC\_20A\_n3A-n78A | DC\_20A\_n3A  DC\_20A\_n78A |
| DC\_20A\_n7A-n28A5,6 | DC\_20A\_n7A  DC\_20A\_n28A |
| 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\_n41A-n78A | DC\_20A\_n41A  DC\_20A\_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\_20A\_n78A-n92A  DC\_20A\_n78(2A)-n92A | DC\_20A\_n78A  DC\_20A\_n92A\_ULSUP-TDM\_n78A |
| 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 |
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| DC\_21A-42A\_n78A10,11  DC\_21A-42A\_n78C10,11  DC\_21A-42C\_n78A10,11  DC\_21A-42C\_n78C10,11  DC\_21A-42D\_n78A10,11  DC\_21A-42D\_n78C10,11  DC\_21A-42E\_n78A10,11  DC\_21A-42E\_n78C10,11 | 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 |
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| 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\_n79A5  DC\_28A-41C\_n79A5 | DC\_28A\_n79A  DC\_41A\_n79A |
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| DC\_28A\_n3A-n78A5 | 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-n78A5 | DC\_28A\_n8A  DC\_28A\_n78A |
| DC\_28A\_n40A-n78A | DC\_28A\_n40A  DC\_28A\_n78A |
| DC\_28A-42A\_n77A10,11  DC\_28A-42A\_n77C10,11  DC\_28A-42C\_n77A10,11 | DC\_28A\_n77A |
| DC\_28A-42A\_n78A10,11  DC\_28A-42A\_n78C10,11  DC\_28A-42C\_n78A10,11 | 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-30A\_n2A | DC\_30A\_n2A |
| DC\_29A-30A\_n66A | DC\_30A\_n66A |
| 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\_30A-66A\_n66A | DC\_30A\_n66A  DC\_66A\_n66A2 |
| DC\_39A\_n40A-n41A | DC\_39A\_n40A  DC\_39A\_n41A |
| DC\_39A\_n40A-n79A | DC\_39A\_n40A  DC\_39A\_n79A |
| DC\_39A\_n41A-n79A | DC\_39A\_n41A  DC\_39A\_n79A |
| DC\_40A\_n41A-n79A | DC\_40A\_n41A  DC\_40A\_n79A |
| DC\_41A\_n3A-n77A | DC\_41A\_n3A  DC\_41A\_n77A |
| DC\_41C\_n3A-n77A | DC\_41A\_n3A  DC\_41A\_n77A  DC\_41C\_n3A  DC\_41C\_n77A |
| DC\_41A\_n3A-n78A | DC\_41A\_n3A  DC\_41A\_n78A |
| DC\_41C\_n3A-n78A | DC\_41A\_n3A  DC\_41A\_n78A  DC\_41C\_n3A  DC\_41C\_n78A |
| DC\_41A\_n28A-n77A | DC\_41A\_n28A  DC\_41A\_n77A |
| DC\_41C\_n28A-n77A | DC\_41A\_n28A  DC\_41A\_n77A  DC\_41C\_n28A  DC\_41C\_n77A |
| DC\_41A\_n28A-n78A | DC\_41A\_n28A  DC\_41A\_n78A |
| DC\_41C\_n28A-n78A | DC\_41A\_n28A  DC\_41A\_n78A  DC\_41C\_n28A  DC\_41C\_n78A |
| DC\_(n)41AA-n78A  DC\_(n)41CA-n78A  DC\_(n)41DA-n78A | DC\_41A\_n78A |
| DC\_41A-42A\_n77A10,11  DC\_41A-42C\_n77A10,11  DC\_41C-42A\_n77A10,11  DC\_41C-42C\_n77A10,11 | DC\_41A\_n77A |
| DC\_41A-42A\_n78A10,11  DC\_41A-42C\_n78A10,11  DC\_41C-42A\_n78A10,11  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\_42A\_n28A-n77A | DC\_42A\_n28A |
| DC\_42A\_n28A-n77(2A) | DC\_42A\_n28A |
| DC\_42C\_n28A-n77A | DC\_42A\_n28A  DC\_42C\_n28A |
| DC\_42C\_n28A-n77(2A) | DC\_42A\_n28A  DC\_42C\_n28A |
| 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-66A\_n7A-n78A | DC\_66A\_n7A  DC\_66A\_n78A |
| DC\_66A\_n7(2A)-n78A  DC\_66A-66A\_n7(2A)-n78A | DC\_66A\_n7A  DC\_66A\_n78A |
| DC\_66A\_n7A-n78(2A)  DC\_66A-66A\_n7A-n78(2A) | DC\_66A\_n7A  DC\_66A\_n78A |
| DC\_66A\_n7(2A)-n78(2A)  DC\_66A-66A\_n7(2A)-n78(2A) | DC\_66A\_n7A  DC\_66A\_n78A |
| DC\_66A\_n25A-n71A | DC\_66A\_n25A  DC\_66A\_n71A |
| DC\_66A\_n38A-n78A | DC\_66A\_n38A  DC\_66A\_n78A |
| 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\_SUL\_n78(2A)-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.  NOTE 10: For UEs not indicating *interBandMRDC-WithOverlapDL-Bands-r16*, the minimum requirements for intra-band contiguous or non-contiguous EN-DC apply for the Band 42 and Band n77/n78 combination.  NOTE 11: For UEs not indicating *interBandMRDC-WithOverlapDL-Bands-r16*, the minimum requirements for inter-band EN-DC apply when the maximum power spectral density imbalance between downlink carriers contained in overlapping or partially overlapping DL bands is within 6 dB.  NOTE 12: For UEs not indicating *interBandMRDC-WithOverlapDL-Bands-r16*, the minimum requirements apply for synchronized DL carriers with a maximum receive time difference ≤ 3 usec between overlapping or partially overlapping DL bands contained in different cell groups. | |

***-----------------<end of change1>-------------------------***

***-----------------<start of change2>-------------------------***

#### 5.5B.6.3 Inter-band EN-DC configurations including FR1 and FR2 (four bands)

Table 5.5B.6.3-1: Inter-band EN-DC configurations including FR1 and FR2 (four bands)

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) |
| --- | --- |
| DC\_1A-3A\_n28A-n257A2  DC\_1A-3A\_n28A-n257G2  DC\_1A-3A\_n28A-n257H2  DC\_1A-3A\_n28A-n257I2 | DC\_1A\_n28A  DC\_1A\_n257A  DC\_1A\_n257G  DC\_1A\_n257H  DC\_1A\_n257I  DC\_3A\_n28A  DC\_3A\_n257A  DC\_3A\_n257G  DC\_3A\_n257H  DC\_3A\_n257I |
| DC\_1A-3A\_n77A-n257A2 | DC\_1A\_n77A  DC\_3A\_n77A  DC\_1A\_n257A  DC\_3A\_n257A |
| DC\_1A-3A\_n77A-n257D2 | DC\_1A\_n77A  DC\_3A\_n77A  DC\_1A\_n257A  DC\_1A\_n257D  DC\_3A\_n257A  DC\_3A\_n257D |
| DC\_1A-3A\_n77A-n257G2 | DC\_1A\_n77A  DC\_3A\_n77A  DC\_1A\_n257A  DC\_1A\_n257G  DC\_3A\_n257A  DC\_3A\_n257G  DC\_1A\_n77A-n257A  DC\_1A\_n77A-n257G  DC\_3A\_n77A-n257A  DC\_3A\_n77A-n257G |
| DC\_1A-3A\_n77A-n257H2 | DC\_1A\_n77A  DC\_3A\_n77A  DC\_1A\_n257A  DC\_1A\_n257G  DC\_1A\_n257H  DC\_3A\_n257A  DC\_3A\_n257G  DC\_3A\_n257H  DC\_1A\_n77A-n257A  DC\_1A\_n77A-n257G  DC\_1A\_n77A-n257H  DC\_3A\_n77A-n257A  DC\_3A\_n77A-n257G  DC\_3A\_n77A-n257H |
| DC\_1A-3A\_n77A-n257I2 | DC\_1A\_n77A  DC\_3A\_n77A  DC\_1A\_n257A  DC\_1A\_n257G  DC\_1A\_n257H  DC\_1A\_n257I  DC\_3A\_n257A  DC\_3A\_n257G  DC\_3A\_n257H  DC\_3A\_n257I  DC\_1A\_n77A-n257A  DC\_1A\_n77A-n257G  DC\_1A\_n77A-n257H  DC\_1A\_n77A-n257I  DC\_3A\_n77A-n257A  DC\_3A\_n77A-n257G  DC\_3A\_n77A-n257H  DC\_3A\_n77A-n257I |
| DC\_1A-3A\_n78A-n257A2  DC\_1A-3A\_n78A-n257D2  DC\_1A-3A\_n78A-n257E2  DC\_1A-3A\_n78A-n257F2  DC\_1A-3A\_n78A-n257G2  DC\_1A-3A\_n78A-n257H2  DC\_1A-3A\_n78A-n257I2  DC\_1A-3A\_n78A-n257J2  DC\_1A-3A\_n78A-n257K2  DC\_1A-3A\_n78A-n257L2  DC\_1A-3A\_n78A-n257M2 | DC\_1A\_n78A  DC\_1A\_n257A  DC\_1A\_n257D  DC\_1A\_n257G  DC\_1A\_n257H  DC\_1A\_n257I  DC\_3A\_n78A  DC\_3A\_n257A  DC\_3A\_n257D  DC\_3A\_n257G  DC\_3A\_n257H  DC\_3A\_n257I  DC\_1A\_n78A-n257A  DC\_1A\_n78A-n257G  DC\_1A\_n78A-n257H  DC\_1A\_n78A-n257I  DC\_3A\_n78A-n257A  DC\_3A\_n78A-n257G  DC\_3A\_n78A-n257H  DC\_3A\_n78A-n257I |
| DC\_1A-3A\_n79A-n257A2  DC\_1A-3A\_n79A-n257G2  DC\_1A-3A\_n79A-n257H2  DC\_1A-3A\_n79A-n257I2 | DC\_1A\_n79A  DC\_1A\_n257A  DC\_1A\_n257G  DC\_1A\_n257H  DC\_1A\_n257I  DC\_3A\_n79A  DC\_3A\_n257A  DC\_3A\_n257G  DC\_3A\_n257H  DC\_3A\_n257I |
| DC\_1A-3A\_n79A-n257A2  DC\_1A-3A\_n79A-n257G2  DC\_1A-3A\_n79A-n257H2  DC\_1A-3A\_n79A-n257I2 | DC\_1A\_n79A-n257A  DC\_1A\_n79A-n257G  DC\_1A\_n79A-n257H  DC\_1A\_n79A-n257I  DC\_3A\_n79A-n257A  DC\_3A\_n79A-n257G  DC\_3A\_n79A-n257H  DC\_3A\_n79A-n257I |
| DC\_1A-5A\_n78A-n257A  DC\_1A-5A\_n78A-n257D  DC\_1A-5A\_n78A-n257E  DC\_1A-5A\_n78A-n257F  DC\_1A-5A\_n78A-n257G  DC\_1A-5A\_n78A-n257H  DC\_1A-5A\_n78A-n257I  DC\_1A-5A\_n78A-n257J  DC\_1A-5A\_n78A-n257K  DC\_1A-5A\_n78A-n257L  DC\_1A-5A\_n78A-n257M | DC\_1A\_n78A  DC\_1A\_n257A  DC\_5A\_n78A  DC\_5A\_n257A |
| DC\_1A-7A\_n78A-n257A  DC\_1A-7A\_n78A-n257D  DC\_1A-7A\_n78A-n257E  DC\_1A-7A\_n78A-n257F  DC\_1A-7A\_n78A-n257G  DC\_1A-7A\_n78A-n257H  DC\_1A-7A\_n78A-n257I  DC\_1A-7A\_n78A-n257J  DC\_1A-7A\_n78A-n257K  DC\_1A-7A\_n78A-n257L  DC\_1A-7A\_n78A-n257M | DC\_1A\_n78A  DC\_1A\_n257A  DC\_7A\_n78A  DC\_7A\_n257A |
| DC\_1A-7A-7A\_n78A-n257A  DC\_1A-7A-7A\_n78A-n257D  DC\_1A-7A-7A\_n78A-n257E  DC\_1A-7A-7A\_n78A-n257F  DC\_1A-7A-7A\_n78A-n257G  DC\_1A-7A-7A\_n78A-n257H  DC\_1A-7A-7A\_n78A-n257I  DC\_1A-7A-7A\_n78A-n257J  DC\_1A-7A-7A\_n78A-n257K  DC\_1A-7A-7A\_n78A-n257L  DC\_1A-7A-7A\_n78A-n257M | DC\_1A\_n78A  DC\_1A\_n257A  DC\_7A\_n78A  DC\_7A\_n257A |
| DC\_1A-8A\_n77A-n257A2  DC\_1A-8A\_n77A-n257D2  DC\_1A-8A\_n77A-n257G2  DC\_1A-8A\_n77A-n257H2  DC\_1A-8A\_n77A-n257I2 | DC\_1A\_n77A  DC\_1A\_n257A  DC\_8A\_n77A  DC\_8A\_n257A |
| DC\_1A-8A\_n77(2A)-n257A2  DC\_1A-8A\_n77(2A)-n257D2  DC\_1A-8A\_n77(2A)-n257G2  DC\_1A-8A\_n77(2A)-n257H2  DC\_1A-8A\_n77(2A)-n257I2 | DC\_1A\_n77A  DC\_1A\_n257A  DC\_8A\_n77A  DC\_8A\_n257A |
| DC\_1A-8A\_n78A-n257A2  DC\_1A-8A\_n78A-n257D2  DC\_1A-8A\_n78A-n257E2  DC\_1A-8A\_n78A-n257F2  DC\_1A-8A\_n78A-n257G2  DC\_1A-8A\_n78A-n257H2  DC\_1A-8A\_n78A-n257I2  DC\_1A-8A\_n78A-n257J2  DC\_1A-8A\_n78A-n257K2  DC\_1A-8A\_n78A-n257L2  DC\_1A-8A\_n78A-n257M2 | DC\_1A\_n78A  DC\_8A\_n78A  DC\_1A\_n257A  DC\_8A\_n257A |
| DC\_1A-11A\_n77A-n257A2  DC\_1A-11A\_n77A-n257D2  DC\_1A-11A\_n77A-n257G2  DC\_1A-11A\_n77A-n257H2  DC\_1A-11A\_n77A-n257I2 | DC\_1A\_n77A  DC\_1A\_n257A  DC\_11A\_n77A  DC\_11A\_n257A |
| DC\_1A-11A\_n77(2A)-n257A2  DC\_1A-11A\_n77(2A)-n257D2  DC\_1A-11A\_n77(2A)-n257G2  DC\_1A-11A\_n77(2A)-n257H2  DC\_1A-11A\_n77(2A)-n257I2 | DC\_1A\_n77A  DC\_1A\_n257A  DC\_11A\_n77A  DC\_11A\_n257A |
| DC\_1A-18A\_n3A-n257A  DC\_1A-18A\_n3A-n257G  DC\_1A-18A\_n3A-n257H  DC\_1A-18A\_n3A-n257I | DC\_1A\_n3A  DC\_1A\_n257A  DC\_1A\_n257G  DC\_1A\_n257H  DC\_1A\_n257I  DC\_18A\_n3A  DC\_18A\_n257A  DC\_18A\_n257G  DC\_18A\_n257H  DC\_18A\_n257I |
| DC\_1A-18A\_n78A-n257A  DC\_1A-18A\_n78A-n257G  DC\_1A-18A\_n78A-n257H  DC\_1A-18A\_n78A-n257I | DC\_1A\_n78A  DC\_1A\_n257A  DC\_1A\_n257G  DC\_1A\_n257H  DC\_1A\_n257I  DC\_18A\_n78A  DC\_18A\_n257A  DC\_18A\_n257G  DC\_18A\_n257H  DC\_18A\_n257I |
| DC\_1A-19A\_n77A-n257A2  DC\_1A-19A\_n77A-n257G2  DC\_1A-19A\_n77A-n257H2  DC\_1A-19A\_n77A-n257I2 | DC\_1A\_n77A  DC\_1A\_n257A  DC\_1A\_n257G  DC\_1A\_n257H  DC\_1A\_n257I  DC\_19A\_n77A  DC\_19A\_n257A  DC\_19A\_n257G  DC\_19A\_n257H  DC\_19A\_n257I |
| DC\_1A-19A\_n78A-n257A2  DC\_1A-19A\_n78A-n257G2  DC\_1A-19A\_n78A-n257H2  DC\_1A-19A\_n78A-n257I2 | DC\_1A\_n78A  DC\_1A\_n257A  DC\_1A\_n257G  DC\_1A\_n257H  DC\_1A\_n257I  DC\_19A\_n78A  DC\_19A\_n257A  DC\_19A\_n257G  DC\_19A\_n257H  DC\_19A\_n257I |
| DC\_1A-19A\_n79A-n257A2  DC\_1A-19A\_n79A-n257G2  DC\_1A-19A\_n79A-n257H2  DC\_1A-19A\_n79A-n257I2 | DC\_1A\_n79A  DC\_1A\_n257A  DC\_1A\_n257G  DC\_1A\_n257H  DC\_1A\_n257I  DC\_19A\_n79A  DC\_19A\_n257A  DC\_19A\_n257G  DC\_19A\_n257H  DC\_19A\_n257I |
| DC\_1A-21A\_n77A-n257A2  DC\_1A-21A\_n77A-n257G2  DC\_1A-21A\_n77A-n257H2  DC\_1A-21A\_n77A-n257I2 | DC\_1A\_n77A  DC\_1A\_n257A  DC\_1A\_n257G  DC\_1A\_n257H  DC\_1A\_n257I  DC\_21A\_n77A  DC\_21A\_n257A  DC\_21A\_n257G  DC\_21A\_n257H  DC\_21A\_n257I |
| DC\_1A-21A\_n78A-n257A2  DC\_1A-21A\_n78A-n257G2  DC\_1A-21A\_n78A-n257H2  DC\_1A-21A\_n78A-n257I2 | DC\_1A\_n78A  DC\_1A\_n257A  DC\_1A\_n257G  DC\_1A\_n257H  DC\_1A\_n257I  DC\_21A\_n78A  DC\_21A\_n257A  DC\_21A\_n257G  DC\_21A\_n257H  DC\_21A\_n257I |
| DC\_1A-21A\_n79A-n257A2  DC\_1A-21A\_n79A-n257G2  DC\_1A-21A\_n79A-n257H2  DC\_1A-21A\_n79A-n257I2 | DC\_1A\_n79A  DC\_1A\_n257A  DC\_1A\_n257G  DC\_1A\_n257H  DC\_1A\_n257I  DC\_21A\_n79A  DC\_21A\_n257A  DC\_21A\_n257G  DC\_21A\_n257H  DC\_21A\_n257I |
| DC\_1A-19A\_n79A-n257A2  DC\_1A-19A\_n79A-n257G2  DC\_1A-19A\_n79A-n257H2  DC\_1A-19A\_n79A-n257I2 | DC\_1A\_n79A-n257A  DC\_1A\_n79A-n257G  DC\_1A\_n79A-n257H  DC\_1A\_n79A-n257I  DC\_19A\_n79A-n257A  DC\_19A\_n79A-n257G  DC\_19A\_n79A-n257H  DC\_19A\_n79A-n257I |
| DC\_1A-21A\_n77A-n257A2  DC\_1A-21A\_n77A-n257G2  DC\_1A-21A\_n77A-n257H2  DC\_1A-21A\_n77A-n257I2 | DC\_1A\_n77A-n257A  DC\_1A\_n77A-n257G  DC\_1A\_n77A-n257H  DC\_1A\_n77A-n257I  DC\_21A\_n77A-n257A  DC\_21A\_n77A-n257G  DC\_21A\_n77A-n257H  DC\_21A\_n77A-n257I |
| DC\_1A-21A\_n78A-n257A2  DC\_1A-21A\_n78A-n257G2  DC\_1A-21A\_n78A-n257H2  DC\_1A-21A\_n78A-n257I2 | DC\_1A\_n78A-n257A  DC\_1A\_n78A-n257G  DC\_1A\_n78A-n257H  DC\_1A\_n78A-n257I  DC\_21A\_n78A-n257A  DC\_21A\_n78A-n257G  DC\_21A\_n78A-n257H  DC\_21A\_n78A-n257I |
| DC\_1A-21A\_n79A-n257A2  DC\_1A-21A\_n79A-n257G2  DC\_1A-21A\_n79A-n257H2  DC\_1A-21A\_n79A-n257I2 | DC\_1A\_n79A-n257A  DC\_1A\_n79A-n257G  DC\_1A\_n79A-n257H  DC\_1A\_n79A-n257I  DC\_21A\_n79A-n257A  DC\_21A\_n79A-n257G  DC\_21A\_n79A-n257H  DC\_21A\_n79A-n257I |
| DC\_1A-28A\_n3A-n257A2  DC\_1A-28A\_n3A-n257G2  DC\_1A-28A\_n3A-n257H2  DC\_1A-28A\_n3A-n257I2 | DC\_1A\_n3A  DC\_1A\_n257A  DC\_1A\_n257G  DC\_1A\_n257H  DC\_1A\_n257I  DC\_28A\_n3A  DC\_28A\_n257A  DC\_28A\_n257G  DC\_28A\_n257H  DC\_28A\_n257I |
| DC\_1A-28A\_n78A-n257A2  DC\_1A-28A\_n78A-n257G2  DC\_1A-28A\_n78A-n257H2  DC\_1A-28A\_n78A-n257I2 | DC\_1A\_n78A  DC\_1A\_n257A  DC\_1A\_n257G  DC\_1A\_n257H  DC\_1A\_n257I  DC\_28A\_n78A  DC\_28A\_n257A  DC\_28A\_n257G  DC\_28A\_n257H  DC\_28A\_n257I |
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| DC\_3A-42A\_n77A-n257A  DC\_3A-42A\_n77A-n257G  DC\_3A-42A\_n77A-n257H  DC\_3A-42A\_n77A-n257I  DC\_3A-42C\_n77A-n257A  DC\_3A-42C\_n77A-n257G  DC\_3A-42C\_n77A-n257H  DC\_3A-42C\_n77A-n257I | DC\_3A\_n77A-n257A  DC\_3A\_n77A-n257G  DC\_3A\_n77A-n257H  DC\_3A\_n77A-n257I |
| DC\_3A-42A\_n78A-n257A  DC\_3A-42A\_n78A-n257G  DC\_3A-42A\_n78A-n257H  DC\_3A-42A\_n78A-n257I  DC\_3A-42C\_n78A-n257A  DC\_3A-42C\_n78A-n257G  DC\_3A-42C\_n78A-n257H  DC\_3A-42C\_n78A-n257I | DC\_3A\_n78A  DC\_3A\_n257A  DC\_3A\_n257G  DC\_3A\_n257H  DC\_3A\_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\_3A\_n78A-n257A  DC\_3A\_n78A-n257G  DC\_3A\_n78A-n257H  DC\_3A\_n78A-n257I |
| DC\_3A-42A\_n79A-n257A  DC\_3A-42A\_n79A-n257G  DC\_3A-42A\_n79A-n257H  DC\_3A-42A\_n79A-n257I  DC\_3A-42C\_n79A-n257A  DC\_3A-42C\_n79A-n257G  DC\_3A-42C\_n79A-n257H  DC\_3A-42C\_n79A-n257I | DC\_3A\_n79A-n257A  DC\_3A\_n79A-n257G  DC\_3A\_n79A-n257H  DC\_3A\_n79A-n257I |
| DC\_3A-42A\_n79A-n257A  DC\_3A-42A\_n79A-n257G  DC\_3A-42A\_n79A-n257H  DC\_3A-42A\_n79A-n257I  DC\_3A-42C\_n79A-n257A  DC\_3A-42C\_n79A-n257G  DC\_3A-42C\_n79A-n257H  DC\_3A-42C\_n79A-n257I | DC\_3A\_n79A  DC\_3A\_n257A  DC\_3A\_n257G  DC\_3A\_n257H  DC\_3A\_n257I  DC\_42A\_n257A  DC\_42A\_n257G  DC\_42A\_n257H  DC\_42A\_n257I |
| DC\_5A-7A\_n78A-n257A  DC\_5A-7A\_n78A-n257D  DC\_5A-7A\_n78A-n257E  DC\_5A-7A\_n78A-n257F  DC\_5A-7A\_n78A-n257G  DC\_5A-7A\_n78A-n257H  DC\_5A-7A\_n78A-n257I  DC\_5A-7A\_n78A-n257J  DC\_5A-7A\_n78A-n257K  DC\_5A-7A\_n78A-n257L  DC\_5A-7A\_n78A-n257M | DC\_5A\_n78A  DC\_5A\_n257A  DC\_7A\_n78A  DC\_7A\_n257A |
| DC\_5A-7A-7A\_n78A-n257A  DC\_5A-7A-7A\_n78A-n257D  DC\_5A-7A-7A\_n78A-n257E  DC\_5A-7A-7A\_n78A-n257F  DC\_5A-7A-7A\_n78A-n257G  DC\_5A-7A-7A\_n78A-n257H  DC\_5A-7A-7A\_n78A-n257I  DC\_5A-7A-7A\_n78A-n257J  DC\_5A-7A-7A\_n78A-n257K  DC\_5A-7A-7A\_n78A-n257L  DC\_5A-7A-7A\_n78A-n257M | DC\_5A\_n78A  DC\_5A\_n257A  DC\_7A\_n78A  DC\_7A\_n257A |
| DC\_8A-11A\_n77A-n257A2  DC\_8A-11A\_n77A-n257D2  DC\_8A-11A\_n77A-n257G2  DC\_8A-11A\_n77A-n257H2  DC\_8A-11A\_n77A-n257I2 | DC\_8A\_n77A  DC\_8A\_n257A  DC\_11A\_n77A  DC\_11A\_n257A |
| DC\_8A-11A\_n77(2A)-n257A2  DC\_8A-11A\_n77(2A)-n257D2  DC\_8A-11A\_n77(2A)-n257G2  DC\_8A-11A\_n77(2A)-n257H2  DC\_8A-11A\_n77(2A)-n257I2 | DC\_8A\_n77A  DC\_8A\_n257A  DC\_11A\_n77A  DC\_11A\_n257A |
| DC\_18A-41A\_n3A-n257A  DC\_18A-41A\_n3A-n257G  DC\_18A-41A\_n3A-n257H  DC\_18A-41A\_n3A-n257I  DC\_18A-41C\_n3A-n257A  DC\_18A-41C\_n3A-n257G  DC\_18A-41C\_n3A-n257H  DC\_18A-41C\_n3A-n257I | DC\_18A\_n3A  DC\_18A\_n257A  DC\_18A\_n257G  DC\_18A\_n257H  DC\_18A\_n257I  DC\_41A\_n3A  DC\_41A\_n257A  DC\_41A\_n257G  DC\_41A\_n257H  DC\_41A\_n257I  DC\_41C\_n3A  DC\_41C\_n257A  DC\_41C\_n257G  DC\_41C\_n257H  DC\_41C\_n257I |
| DC\_18A-42A\_n78A-n257A  DC\_18A-42A\_n78A-n257G  DC\_18A-42A\_n78A-n257H  DC\_18A-42A\_n78A-n257I  DC\_18A-42C\_n78A-n257A  DC\_18A-42C\_n78A-n257G  DC\_18A-42C\_n78A-n257H  DC\_18A-42C\_n78A-n257I | DC\_18A\_n78A  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\_19A-21A\_n77A-n257A2  DC\_19A-21A\_n77A-n257G2  DC\_19A-21A\_n77A-n257H2  DC\_19A-21A\_n77A-n257I2 | DC\_19A\_n77A  DC\_19A\_n257A  DC\_19A\_n257G  DC\_19A\_n257H  DC\_19A\_n257I  DC\_21A\_n77A  DC\_21A\_n257A  DC\_21A\_n257G  DC\_21A\_n257H  DC\_21A\_n257I |
| DC\_19A-21A\_n78A-n257A2  DC\_19A-21A\_n78A-n257G2  DC\_19A-21A\_n78A-n257H2  DC\_19A-21A\_n78A-n257I2 | DC\_19A\_n78A  DC\_19A\_n257A  DC\_19A\_n257G  DC\_19A\_n257H  DC\_19A\_n257I  DC\_21A\_n78A  DC\_21A\_n257A  DC\_21A\_n257G  DC\_21A\_n257H  DC\_21A\_n257I |
| DC\_19A-21A\_n79A-n257A2  DC\_19A-21A\_n79A-n257G2  DC\_19A-21A\_n79A-n257H2  DC\_19A-21A\_n79A-n257I2 | DC\_19A\_n79A  DC\_19A\_n257A  DC\_19A\_n257G  DC\_19A\_n257H  DC\_19A\_n257I  DC\_21A\_n79A  DC\_21A\_n257A  DC\_21A\_n257G  DC\_21A\_n257H  DC\_21A\_n257I |
| DC\_19A-42A\_n77A-n257A  DC\_19A-42A\_n77A-n257G  DC\_19A-42A\_n77A-n257H  DC\_19A-42A\_n77A-n257I  DC\_19A-42C\_n77A-n257A  DC\_19A-42C\_n77A-n257G  DC\_19A-42C\_n77A-n257H  DC\_19A-42C\_n77A-n257I | DC\_19A\_n77A  DC\_19A\_n257A  DC\_19A\_n257G  DC\_19A\_n257H  DC\_19A\_n257I  DC\_42A\_n257A  DC\_42A\_n257G  DC\_42A\_n257H  DC\_42A\_n257I |
| DC\_19A-42A\_n78A-n257A  DC\_19A-42A\_n78A-n257G  DC\_19A-42A\_n78A-n257H  DC\_19A-42A\_n78A-n257I  DC\_19A-42C\_n78A-n257A  DC\_19A-42C\_n78A-n257G  DC\_19A-42C\_n78A-n257H  DC\_19A-42C\_n78A-n257I | DC\_19A\_n78A  DC\_19A\_n257A  DC\_19A\_n257G  DC\_19A\_n257H  DC\_19A\_n257I  DC\_42A\_n257A  DC\_42A\_n257G  DC\_42A\_n257H  DC\_42A\_n257I |
| DC\_19A-42A\_n79A-n257A  DC\_19A-42A\_n79A-n257G  DC\_19A-42A\_n79A-n257H  DC\_19A-42A\_n79A-n257I  DC\_19A-42C\_n79A-n257A  DC\_19A-42C\_n79A-n257G  DC\_19A-42C\_n79A-n257H  DC\_19A-42C\_n79A-n257I | DC\_19A\_n79A  DC\_19A\_n257A  DC\_19A\_n257G  DC\_19A\_n257H  DC\_19A\_n257I  DC\_42A\_n257A  DC\_42A\_n257G  DC\_42A\_n257H  DC\_42A\_n257I |
| DC\_21A-42A\_n77A-n257A  DC\_21A-42A\_n77A-n257G  DC\_21A-42A\_n77A-n257H  DC\_21A-42A\_n77A-n257I  DC\_21A-42C\_n77A-n257A  DC\_21A-42C\_n77A-n257G  DC\_21A-42C\_n77A-n257H  DC\_21A-42C\_n77A-n257I | DC\_21A\_n77A  DC\_21A\_n257A  DC\_21A\_n257G  DC\_21A\_n257H  DC\_21A\_n257I  DC\_42A\_n257A  DC\_42A\_n257G  DC\_42A\_n257H  DC\_42A\_n257I |
| DC\_21A-42A\_n78A-n257A  DC\_21A-42A\_n78A-n257G  DC\_21A-42A\_n78A-n257H  DC\_21A-42A\_n78A-n257I  DC\_21A-42C\_n78A-n257A  DC\_21A-42C\_n78A-n257G  DC\_21A-42C\_n78A-n257H  DC\_21A-42C\_n78A-n257I | DC\_21A\_n78A  DC\_21A\_n257A  DC\_21A\_n257G  DC\_21A\_n257H  DC\_21A\_n257I  DC\_42A\_n257A  DC\_42A\_n257G  DC\_42A\_n257H  DC\_42A\_n257I |
| DC\_21A-42A\_n79A-n257A  DC\_21A-42A\_n79A-n257G  DC\_21A-42A\_n79A-n257H  DC\_21A-42A\_n79A-n257I  DC\_21A-42C\_n79A-n257A  DC\_21A-42C\_n79A-n257G  DC\_21A-42C\_n79A-n257H  DC\_21A-42C\_n79A-n257I | DC\_21A\_n79A  DC\_21A\_n257A  DC\_21A\_n257G  DC\_21A\_n257H  DC\_21A\_n257I  DC\_42A\_n257A  DC\_42A\_n257G  DC\_42A\_n257H  DC\_42A\_n257I |
| DC\_19A-21A\_n77A-n257A2  DC\_19A-21A\_n77A-n257G2  DC\_19A-21A\_n77A-n257H2  DC\_19A-21A\_n77A-n257I2 | DC\_19A\_n77A-n257A  DC\_19A\_n77A-n257G  DC\_19A\_n77A-n257H  DC\_19A\_n77A-n257I  DC\_21A\_n77A-n257A  DC\_21A\_n77A-n257G  DC\_21A\_n77A-n257H  DC\_21A\_n77A-n257I |
| DC\_19A-21A\_n78A-n257A2  DC\_19A-21A\_n78A-n257G2  DC\_19A-21A\_n78A-n257H2  DC\_19A-21A\_n78A-n257I2 | DC\_19A\_n78A-n257A  DC\_19A\_n78A-n257G  DC\_19A\_n78A-n257H  DC\_19A\_n78A-n257I  DC\_21A\_n78A-n257A  DC\_21A\_n78A-n257G  DC\_21A\_n78A-n257H  DC\_21A\_n78A-n257I |
| DC\_19A-21A\_n79A-n257A2  DC\_19A-21A\_n79A-n257G2  DC\_19A-21A\_n79A-n257H2  DC\_19A-21A\_n79A-n257I2 | DC\_19A\_n79A-n257A  DC\_19A\_n79A-n257G  DC\_19A\_n79A-n257H  DC\_19A\_n79A-n257I  DC\_21A\_n79A-n257A  DC\_21A\_n79A-n257G  DC\_21A\_n79A-n257H  DC\_21A\_n79A-n257I |
| DC\_19A-42A\_n77A-n257A  DC\_19A-42A\_n77A-n257G  DC\_19A-42A\_n77A-n257H  DC\_19A-42A\_n77A-n257I  DC\_19A-42C\_n77A-n257A  DC\_19A-42C\_n77A-n257G  DC\_19A-42C\_n77A-n257H  DC\_19A-42C\_n77A-n257I | DC\_19A\_n77A-n257A  DC\_19A\_n77A-n257G  DC\_19A\_n77A-n257H  DC\_19A\_n77A-n257I |
| DC\_19A-42A\_n78A-n257A  DC\_19A-42A\_n78A-n257G  DC\_19A-42A\_n78A-n257H  DC\_19A-42A\_n78A-n257I  DC\_19A-42C\_n78A-n257A  DC\_19A-42C\_n78A-n257G  DC\_19A-42C\_n78A-n257H  DC\_19A-42C\_n78A-n257I | DC\_19A\_n78A-n257A  DC\_19A\_n78A-n257G  DC\_19A\_n78A-n257H  DC\_19A\_n78A-n257I |
| DC\_19A-42A\_n79A-n257A  DC\_19A-42A\_n79A-n257G  DC\_19A-42A\_n79A-n257H  DC\_19A-42A\_n79A-n257I  DC\_19A-42C\_n79A-n257A  DC\_19A-42C\_n79A-n257G  DC\_19A-42C\_n79A-n257H  DC\_19A-42C\_n79A-n257I | DC\_19A\_n79A-n257A  DC\_19A\_n79A-n257G  DC\_19A\_n79A-n257H  DC\_19A\_n79A-n257I |
| DC\_21A-42A\_n77A-n257A  DC\_21A-42A\_n77A-n257G  DC\_21A-42A\_n77A-n257H  DC\_21A-42A\_n77A-n257I  DC\_21A-42C\_n77A-n257A  DC\_21A-42C\_n77A-n257G  DC\_21A-42C\_n77A-n257H  DC\_21A-42C\_n77A-n257I | DC\_21A\_n77A-n257A  DC\_21A\_n77A-n257G  DC\_21A\_n77A-n257H  DC\_21A\_n77A-n257I |
| DC\_21A-42A\_n78A-n257A  DC\_21A-42A\_n78A-n257G  DC\_21A-42A\_n78A-n257H  DC\_21A-42A\_n78A-n257I  DC\_21A-42C\_n78A-n257A  DC\_21A-42C\_n78A-n257G  DC\_21A-42C\_n78A-n257H  DC\_21A-42C\_n78A-n257I | DC\_21A\_n78A-n257A  DC\_21A\_n78A-n257G  DC\_21A\_n78A-n257H  DC\_21A\_n78A-n257I |
| DC\_21A-42A\_n79A-n257A  DC\_21A-42A\_n79A-n257G  DC\_21A-42A\_n79A-n257H  DC\_21A-42A\_n79A-n257I  DC\_21A-42C\_n79A-n257A  DC\_21A-42C\_n79A-n257G  DC\_21A-42C\_n79A-n257H  DC\_21A-42C\_n79A-n257I | DC\_21A\_n79A-n257A  DC\_21A\_n79A-n257G  DC\_21A\_n79A-n257H  DC\_21A\_n79A-n257I |
| DC\_28A-41A\_n78A-n257A  DC\_28A-41A\_n78A-n257G  DC\_28A-41A\_n78A-n257H  DC\_28A-41A\_n78A-n257I  DC\_28A-41C\_n78A-n257A  DC\_28A-41C\_n78A-n257G  DC\_28A-41C\_n78A-n257H  DC\_28A-41C\_n78A-n257I | DC\_28A\_n78A  DC\_28A\_n257A  DC\_28A\_n257G  DC\_28A\_n257H  DC\_28A\_n257I  DC\_41A\_n78A  DC\_41A\_n257A  DC\_41A\_n257G  DC\_41A\_n257H  DC\_41A\_n257I  DC\_41C\_n78A  DC\_41C\_n257A  DC\_41C\_n257G  DC\_41C\_n257H  DC\_41C\_n257I |
| DC\_28A-42A\_n78A-n257A  DC\_28A-42A\_n78A-n257G  DC\_28A-42A\_n78A-n257H  DC\_28A-42A\_n78A-n257I  DC\_28A-42C\_n78A-n257A  DC\_28A-42C\_n78A-n257G  DC\_28A-42C\_n78A-n257H  DC\_28A-42C\_n78A-n257I | DC\_28A\_n78A  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\_41A-42A\_n77A-n257A  DC\_41A-42A\_n77A-n257G  DC\_41A-42A\_n77A-n257H  DC\_41A-42A\_n77A-n257I  DC\_41A-42C\_n77A-n257A  DC\_41A-42C\_n77A-n257G  DC\_41A-42C\_n77A-n257H  DC\_41A-42C\_n77A-n257I  DC\_41C-42A\_n77A-n257A  DC\_41C-42A\_n77A-n257G  DC\_41C-42A\_n77A-n257H  DC\_41C-42A\_n77A-n257I  DC\_41C-42C\_n77A-n257A  DC\_41C-42C\_n77A-n257G  DC\_41C-42C\_n77A-n257H  DC\_41C-42C\_n77A-n257I | DC\_41A\_n77A  DC\_41A\_n257A  DC\_41A\_n257G  DC\_41A\_n257H  DC\_41A\_n257I  DC\_41C\_n77A  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\_41A-42A\_n78A-n257A  DC\_41A-42A\_n78A-n257G  DC\_41A-42A\_n78A-n257H  DC\_41A-42A\_n78A-n257I  DC\_41A-42C\_n78A-n257A  DC\_41A-42C\_n78A-n257G  DC\_41A-42C\_n78A-n257H  DC\_41A-42C\_n78A-n257I  DC\_41C-42A\_n78A-n257A  DC\_41C-42A\_n78A-n257G  DC\_41C-42A\_n78A-n257H  DC\_41C-42A\_n78A-n257I  DC\_41C-42C\_n78A-n257A  DC\_41C-42C\_n78A-n257G  DC\_41C-42C\_n78A-n257H  DC\_41C-42C\_n78A-n257I | DC\_41A\_n78A  DC\_41A\_n257A  DC\_41A\_n257G  DC\_41A\_n257H  DC\_41A\_n257I  DC\_41C\_n78A  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 |
| 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. | |

***----------------------------<End of change2>------------------------------***

***---------------------------<Start of change3>------------------------***

#### 5.5B.7.1 Inter-band NR-DC configurations between FR1 and FR2 (two bands)

Table 5.5B.7-1: Inter-band NR-DC configurations between FR1 and FR2 (two bands)

| Downlink NR DC  configuration | Uplink NR DC  configuration |
| --- | --- |
| DC\_n3A-n257A1  DC\_n3A-n257D1  DC\_n3A-n257G1  DC\_n3A-n257H1  DC\_n3A-n257I1 | DC\_n3A-n257A  DC\_n3A-n257D  DC\_n3A-n257G  DC\_n3A-n257H  DC\_n3A-n257I |
| DC\_n28A-n257A1  DC\_n28A-n257D1  DC\_n28A-n257G1  DC\_n28A-n257H1  DC\_n28A-n257I1 | DC\_n28A-n257A  DC\_n28A-n257D  DC\_n28A-n257G  DC\_n28A-n257H  DC\_n28A-n257I |
| DC\_n77A-n257A1  DC\_n77A-n257D1  DC\_n77A-n257E1  DC\_n77A-n257F1  DC\_n77A-n257G1  DC\_n77A-n257H1  DC\_n77A-n257I1  DC\_n77A-n257J1  DC\_n77A-n257K1  DC\_n77A-n257L1  DC\_n77A-n257M1  DC\_n77C-n257A  DC\_n77C-n257D  DC\_n77C-n257E  DC\_n77C-n257F | DC\_n77A-n257A  DC\_n77A-n257G  DC\_n77A-n257H  DC\_n77A-n257I  DC\_n77A-n257J  DC\_n77A-n257K  DC\_n77A-n257L  DC\_n77A-n257M |
| DC\_n77(2A)-n257A1  DC\_n77(2A)-n257G1  DC\_n77(2A)-n257H1  DC\_n77(2A)-n257I1  DC\_n77(2A)-n257J  DC\_n77(2A)-n257K  DC\_n77(2A)-n257L  DC\_n77(2A)-n257M | DC\_n77A-n257A  DC\_n77A-n257G  DC\_n77A-n257H  DC\_n77A-n257I  DC\_n77A-n257J  DC\_n77A-n257K  DC\_n77A-n257L  DC\_n77A-n257M |
| DC\_n77A-n261A  DC\_n77A-n261G  DC\_n77A-n261H  DC\_n77A-n261I  DC\_n77A-n261J  DC\_n77A-n261K  DC\_n77A-n261L  DC\_n77A-n261M | DC\_n77A-n261A  DC\_n77A-n261G  DC\_n77A-n261H  DC\_n77A-n261I  DC\_n77A-n261J  DC\_n77A-n261K  DC\_n77A-n261L  DC\_n77A-n261M |
| DC\_n77A-n261(2A)  DC\_n77A-n261(2G)  DC\_n77A-n261(2H)  DC\_n77A-n261(2I)  DC\_n77A-n261(3A)  DC\_n77A-n261(4A) | DC\_n77A-n261A |
| DC\_n77A-n261(A-G)  DC\_n77A-n261(A-H)  DC\_n77A-n261(A-I)  DC\_n77A-n261(G-H)  DC\_n77A-n261(G-I)  DC\_n77A-n261(H-I) | DC\_n77A-n261A |
| DC\_n78A-n257A1  DC\_n78A-n257D1  DC\_n78A-n257E1  DC\_n78A-n257F1  DC\_n78A-n257G1  DC\_n78A-n257H1  DC\_n78A-n257I1  DC\_n78A-n257J1  DC\_n78A-n257K1  DC\_n78A-n257L1  DC\_n78A-n257M1  DC\_n78C-n257A  DC\_n78C-n257D  DC\_n78C-n257E  DC\_n78C-n257F | DC\_n78A-n257A  DC\_n78A-n257G  DC\_n78A-n257H  DC\_n78A-n257I |
| DC\_n79A-n257A1  DC\_n79A-n257D1  DC\_n79A-n257E1  DC\_n79A-n257F1  DC\_n79A-n257G1  DC\_n79A-n257H1  DC\_n79A-n257I1  DC\_n79A-n257J  DC\_n79A-n257K  DC\_n79A-n257L  DC\_n79A-n257M  DC\_n79C-n257A  DC\_n79C-n257D  DC\_n79C-n257E  DC\_n79C-n257F | DC\_n79A-n257A |
| NOTE 1: Applicable for UE supporting inter-band NR DC with mandatory simultaneous Rx/Tx capability. | |

#### 5.5B.7.2 Inter-band NR-DC configurations between FR1 and FR2 (three bands)

Table 5.5B.7-2: Inter-band NR-DC configurations between FR1 and FR2 (three bands)

| Downlink NR DC  configuration | Uplink NR DC  configuration |
| --- | --- |
| DC\_n3A-n28A-n257A1  DC\_n3A-n28A-n257G1  DC\_n3A-n28A-n257H1  DC\_n3A-n28A-n257I1 | DC\_n3A-n28A  DC\_n3A-n257A  DC\_n3A-n257G  DC\_n3A-n257H  DC\_n3A-n257I  DC\_n28A-n257A  DC\_n28A-n257G  DC\_n28A-n257H  DC\_n28A-n257I |
| DC\_n3A-n77A-n257A1  DC\_n3A-n77A-n257G1  DC\_n3A-n77A-n257H1  DC\_n3A-n77A-n257I1 | DC\_n3A-n77A  DC\_n3A-n257A  DC\_n3A-n257G  DC\_n3A-n257H  DC\_n3A-n257I  DC\_n77A-n257A  DC\_n77A-n257G  DC\_n77A-n257H  DC\_n77A-n257I |
| DC\_n3A-n77(2A)-n257A1  DC\_n3A-n77(2A)-n257G1  DC\_n3A-n77(2A)-n257H1  DC\_n3A-n77(2A)-n257I1 | DC\_n3A-n77A  DC\_n3A-n257A  DC\_n3A-n257G  DC\_n3A-n257H  DC\_n3A-n257I  DC\_n77A-n257A  DC\_n77A-n257G  DC\_n77A-n257H  DC\_n77A-n257I |
| DC\_n3A-n78A-n257A1  DC\_n3A-n78A-n257G1  DC\_n3A-n78A-n257H1  DC\_n3A-n78A-n257I1 | DC\_n3A-n78A  DC\_n3A-n257A  DC\_n3A-n257G  DC\_n3A-n257H  DC\_n3A-n257I  DC\_n78A-n257A  DC\_n78A-n257G  DC\_n78A-n257H  DC\_n78A-n257I |
| DC\_n28A-n77A-n257A1  DC\_n28A-n77A-n257G1  DC\_n28A-n77A-n257H1  DC\_n28A-n77A-n257I1 | DC\_n28A-n77A  DC\_n28A-n257A  DC\_n28A-n257G  DC\_n28A-n257H  DC\_n28A-n257I  DC\_n77A-n257A  DC\_n77A-n257G  DC\_n77A-n257H  DC\_n77A-n257I |
| DC\_n28A-n78A-n257A1  DC\_n28A-n78A-n257G1  DC\_n28A-n78A-n257H1  DC\_n28A-n78A-n257I1 | DC\_n28A-n78A  DC\_n28A-n257A  DC\_n28A-n257G  DC\_n28A-n257H  DC\_n28A-n257I  DC\_n78A-n257A  DC\_n78A-n257G  DC\_n78A-n257H  DC\_n78A-n257I |
| NOTE 1: Applicable for UE supporting inter-band NR DC with mandatory simultaneous Rx/Tx capability. | |

***------------------------<End of change3>-------------------***

***------------------------<start of change4>-------------------***

##### 6.2B.2.1.2 MPR for power class 3 and power class 2

MPR in this clause is applicable for power class 3 and power class 2 UEs indicating IE *dualPA-Architecture* supported with EN-DC power class being the same as the E-UTRA and NR power class, otherwise the UE can use as much MPR as needed to fulfil emissions requirements when scheduled with dual uplink transmission. For UEs scheduled with single uplink transmission, MPR in clause 6.2.4 of TS 36.101 [4] and 6.2.2 of TS 38.101-1 [2] apply. For a UE supporting dynamic power sharing for DC\_(n)71AA for which dual simultaneous uplink transmissions are mandatory and A-MPR defined in clause 6.2B.3.1.1 is applied as MPR. The allowed maximum output power reduction applied to transmission on the MCG and the SCG is defined as follows:

MPRENDC = MA

Where MA is defined as follows

MA = 15 ; 0 ≤ B < 0.5

10 ; 0.5 ≤ B < 1.0

8 ; 1.0 ≤ B < 2.0

6 ; 2.0 ≤ B

Where:

For UEs supporting dynamic power sharing,

B = (LCRB\_alloc, E-UTRA \* 12\* SCSE-UTRA + LCRB\_alloc,NR \* 12 \* SCSNR)/1,000,000

For UEs not supporting dynamic power sharing,

For E-UTRA

B = (LCRB\_alloc, E-UTRA \* 12\* SCSE-UTRA + 12 \* SCSNR)/1,000,000

Where SCSNR = 15,000 Hz is assumed in calculation of B.

For NR

B = (12\* SCSE-UTRA + LCRB\_alloc,NR \* 12 \* SCSNR)/1,000,000

Where SCSE-UTRA = 15,000 Hz is assumed in calculation of B.

and MA is reduced by 1 dB for B < 2.

<Next Changed Section>

##### 6.2B.2.2.2 MPR for power class 3 and power class 2

MPR in this clause is applicable for power class 3 and power class 2 UEs indicating IE *dualPA-Architecture* supported with ENDC power class being the same as the E-UTRA and NR power class, otherwise the UE can use as much MPR as needed to fulfil emissions requirements when scheduled with dual uplink transmission. For UEs scheduled with single uplink transmission, MPR in clause 6.2.4 of TS 36.101 [4] and 6.2.2 of TS 38.101-1 [2] apply. The allowed maximum output power reduction for IM3 related emissions applied to transmission on the MCG and the SCG is defined as follows:

MPRENDC = MA

Where MA is defined as follows

MA = 18 ; 0 ≤ B < 1.0

17 ; 1.0 ≤ B < 2.0

16 ; 2.0 ≤ B < 5.0

15 ; 5.0 ≤ B

Where:

For UEs supporting dynamic power sharing,

B = (LCRB\_alloc, E-UTRA \* 12\* SCSE-UTRA + LCRB\_alloc,NR \* 12 \* SCSNR)/ 1,000,000

For UEs not supporting dynamic power sharing,

For E-UTRA

B= (LCRB\_alloc, E-UTRA \* 12\* SCSE-UTRA + 12 \* SCSNR)/ 1,000,000

Where SCSNR = 15,000 Hz is assumed in calculation of B.

For NR

B = (12 \* SCSE-UTRA + LCRB\_alloc,NR \* 12 \* SCSNR)/ 1,000,000

Where SCSE-UTRA = 15,000 Hz is assumed in calculation of B.

and MA is reduced by 1 dB for B < 2.

<Next Changed Section>

##### 6.2B.3.1.2 A-MPR for NS\_04

6.2B.3.1.2.0 General

When the UE is configured for B41/n41 intra-band contiguous EN-DC and it receives IE NS\_04, the UE determines the total allowed maximum output power reduction as specified in this clause. The A-MPR for EN-DC defined in this clause is used instead of MPR defined in 6.2B.2.1, not additively, so EN-DC MPR = 0 when NS\_04 is signaled. For UEs scheduled with single uplink transmission, AMPR in clause 6.2.4 of [4] and 6.2.3 of [2] apply.

For UE supporting dynamic power sharing the following:

- for the MCG, A-MPR*c* in accordance with TS 36.101 [4]

- for the SCG,

A-MPR'*c* = A-MPRNR = MAX( A-MPRsingle,NR, A-MPRIM3)

- for the total configured transmission power,

A-MPRtot = PPowerClass,EN-DC – min(PPowerClass,EN-DC ,10\*log10(10^((PPowerClass,E-UTRA - A-MPRE-UTRA)/10) + 10^((PPowerClass,NR - A-MPRNR)/10))

where

A-MPRE-UTRA = MAX( A-MPRsingle,E-UTRA + MPRsingle,E-UTRA, A-MPRIM3 )

with

- A-MPRsingle, E-UTRA is the A-MPR defined for the E-UTRA transmission in TS 36.101 [4]

- A-MPRsingle,NR is the A-MPR defined for the NR transmission in TS 38.101-1 [2]

- MPRsingle,E-UTRA is the MPR defined for the E-UTRA transmission in TS 36.101 [4]

For UEs not supporting dynamic power sharing the following

- for the MCG,

A-MPR*c* = MAX( A-MPRsingle, E-UTRA + MPRsingle,E-UTRA, A-MPRIM3 )

- for the SCG,

A-MPR'*c* = MAX( A-MPRsingle,NR, A-MPRIM3 )

where

- A-MPRsingle, E-UTRAis the A-MPR defined for the E-UTRA transmission in TS 36.101 [4]

- A-MPRsingle,NR is the A-MPR defined for the NR transmission in TS 38.101-1 [2]

- MPRsingle,E-UTRA is the MPR defined for the E-UTRA transmission in TS 36.101 [4]

The UE determines the Allocation Configuration Case and the value of A-MPRIM3 as follows:

If FIM3,low\_block,low < 2490.5 MHz

Allocation Configuration Case B. A-MPRIM3 defined in Clause 6.2B.3.1.2.2

Else

Allocation Configuration Case A. A-MPRIM3 defined in Clause 6.2B.3.1.2.1

where

- FIM3,low\_block,low = (2 \* Flow\_alloc,low\_edge) – Fhigh\_alloc,high\_edge

- Flow\_alloc,low\_edge is the lowermost frequency of lower transmission bandwidth configuration.

- Fhigh\_alloc,high\_edge is the uppermost frequency of upper transmission bandwidth configuration.

Where the transmission bandwidth configuration for NR is the maximum frequency span covering all the configured SCSSpecificCarrier for scenarios that carrier bandwidths with different SCS can be fully overlapped.

NOTE: For non-dynamic power sharing capable UEs, since the allocation is unknown for one RAT, the edges of the channel transmission bandwidth are used instead of the edges of the RB allocations for that RAT.

6.2B.3.1.2.1 A-MPRIM3 for NS\_04 to meet -13 dBm / 1MHz

A-MPR is relative to 26 dBm for a power class 2 Cell Group to support PC1.5 and PC2 EN-DC UE. The same A-MPR is used relative to 23 dBm for a power class 3 Cell Group to support PC2 and PC3 EN-DC UE. The detail A-MPR values are decided based on the modified MPR behaviour in in Annex H.1. For the UE is configured with allocation configurations Case A or Case C (defined in Clause 6.2B.3.2.1), the allowed maximum output power reduction for IM3s applied to transmission on the MCG and the SCG with non-contiguous resource allocation is defined as follows:

A-MPRIM3 = MA

Where MA is defined as follows

MA = 12 ; 0 ≤ B < 0.54

10 ; 0.54 ≤ B < 1.08

9 ; 1.08 ≤ B < 2.16

8.5 ; 2.16 ≤ B < 3.24

8 ; 3.24 ≤ B < 5.4

6 ; 5.4 ≤ B

Where:

For UEs supporting dynamic power sharing,

B = (LCRB\_alloc, E-UTRA \* 12\* SCSE-UTRA + LCRB\_alloc,NR \* 12 \* SCSNR)/1,000,000

For UEs not supporting dynamic power sharing,

For E-UTRA

B = (LCRB\_alloc, E-UTRA \* 12\* SCSE-UTRA + 12 \* SCSNR)/1,000,000

Where SCSNR =15,000 Hz is assumed in calculation of B.

For NR

B = (12\* SCSE-UTRA + LCRB\_alloc,NR \* 12 \* SCSNR)/1,000,000

Where SCSE-UTRA = 15,000 Hz is assumed in calculation of B.

and MA is reduced by 1 dB for B < 2.0.

6.2B.3.1.2.2 A-MPR for NS\_04 to meet -25 dBm / 1MHz

A-MPR is relative to 26 dBm for a power class 2 Cell Group to support PC1.5 and PC2 EN-DC UE. The same A-MPR is used relative to 23 dBm for a power class 3 Cell Group to support PC2 and PC3 EN-DC UE. The detail A-MPR values are decided based on the modified MPR behaviour in Annex H.1. For the UE is configured with allocation configurations Case B or Case D (defined in Clause 6.2B.3.2.1), the allowed maximum output power reduction for IM3s applied to transmission on the MCG and the SCG with non-contiguous resource allocation is defined as follows:

A-MPRIM3 = MA

Where MA is defined as follows

MA = 15 ; 0 ≤ B < 1.08

14 ; 1.08 ≤ B < 5.4

13 ; 5.4 ≤ B < 8.1

12 ; 8.1 ≤ B < 25.2

10 ; 25.2 ≤ B

Where:

For UEs supporting dynamic power sharing,

B = (LCRB\_alloc, E-UTRA \* 12\* SCSE-UTRA + LCRB\_alloc,NR \* 12 \* SCSNR)/ 1,000,000

For UEs not supporting dynamic power sharing,

For E-UTRA

B = (LCRB\_alloc,E-UTRA \* 12\* SCSE-UTRA + 12 \* SCSNR)/1,000,000

Where SCSNR =15,000 Hz is assumed in calculation of B.

For NR

B = (12\* SCSE-UTRA + LCRB\_alloc,NR \* 12 \* SCSNR)/1,000,000

Where SCSE-UTRA = 15,000 Hz is assumed in calculation of B.

and MA is reduced by 1 dB.

***---------------<end of change4>---------------------***

***---------------<start of change5>---------------------***

##### 6.5B.3.1.2 Spurious emission band UE co-existence

The requirements in Table 6.5B.3.1.2-1 apply on each component carrier with all component carriers are active.

Table 6.5B.3.1.2-1: Requirements for intra-band contiguous EN-DC

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| EN-DC Configuration | Spurious emission | | | | | | |
|  | Protected band | Frequency range (MHz) | | | Maximum Level (dBm) | MBW (MHz) | NOTE |
| DC\_(n)71 | E-UTRA Band 4, 5, 12, 13, 14, 17, 24, 26, 30, 48, 66 | FDL\_low | - | FDL\_high | -50 | 1 |  |
|  | E-UTRA Band 2, 25, 41, 70,  NR Band n77 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
|  | E-UTRA Band 29 | FDL\_low | -- | FDL\_high | -38 | 1 | 3 |
|  | E-UTRA Band 71 | FDL\_low | - | FDL\_high | -50 | 1 | 3 |
| DC\_(n)41 | E-UTRA Band 1, 2, 3, 4, 5, 8, 10, 11, 12, 13 , 14, 17, 18, 19, 21, 24, 25, 26, 27, 28, 29, 30, 34, 39, 42, 44, 45, 48, 50, 51, 66, 70, 71, 73, 74  NR Band n77, n78 | FDL\_low | - | FDL\_high | -50 | 1 |  |
|  | Frequency range | 1884.5 | - | 1915.7 | -41 | 0.3 | 4 |
| NR Band n79 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
| E-UTRA Band 40 | FDL\_low | - | FDL\_high | -40 | 1 |  |
| NOTE1:FDL\_low and FDL\_high refer to each frequency band specified in Table 5.5-1 in 3GPP TS 36.101 [4] or in Table 5.2-1 in 3GPP TS 38.101-1 [2].  NOTE 2:As exceptions, measurements with a level up to the applicable requirements defined in Table 6.6.3.1-2 in 3GPP TS 36.101 [4] and Table 6.5.3.1-2 in 3GPP TS 38.101-1 [2] are permitted for each assigned carrier used in the measurement due to 2nd, 3rd, 4th or 5th harmonic spurious emissions. Due to spreading of the harmonic emission the exception is also allowed for the first 1 MHz frequency range immediately outside the harmonic emission on both sides of the harmonic emission. This results in an overall exception interval centred at the harmonic emission of (2 MHz + N x LCRB x 180 kHz), where N is 2, 3, 4, 5 for the 2nd, 3rd, 4th or 5th harmonic respectively. The exception is allowed if the measurement bandwidth (MBW) totally or partially overlaps the overall exception interval  NOTE 3:These requirements also apply for the frequency ranges that are less than FOOB (MHz) in Table 6.6.3.1-1, Table 6.6.3.1A-1 in 3GPP TS 36.101 [4] or in Table 6.5.3.1-1 in 3GPP TS 38.101-1 [2] from the edge of the channel bandwidth.  NOTE4:Applicable when co-existence with PHS system operating in 1884.5 - 1915.7 MHz. | | | | | | | |

NOTE: To simplify the above Table, E-UTRA band numbers are listed for bands which are specified only for E-UTRA operation or both E-UTRA and NR operation. NR band numbers are listed for bands which are specified only for NR operation.

<<< Unchanged sections are skipped>>>

##### 6.5B.3.2.2 Spurious emission band UE co-existence

The requirements in Table 6.5B.3.2.2-1 apply with all component carriers are active.

Table 6.5B.3.2.2-1: Requirements for intra-band non-contiguous EN-DC

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| EN-DC Configuration | Spurious emission | | | | | | |
|  | Protected band | Frequency range (MHz) | | | Maximum Level (dBm) | MBW (MHz) | NOTE |
| DC\_3\_n3 | E-UTRA Band 1, 5, 7, 8, 11, 18, 19, 20, 21, 26, 27, 28, 31, 32, 33, 34, 38, 39, 40, 41, 43, 44, 45, 50, 51, 65, 67, 68, 69, 72, 73,74, 75, 76.  NR Band n79 | FDL\_low | - | FDL\_high | -50 | 1 |  |
|  | E-UTRA Band 3 | FDL\_low | - | FDL\_high | -50 | 1 | 3 |
|  | E-UTRA Band 22, 42, 52,  NR Band n77, n78 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
|  | Frequency range | 1884.5 | - | 1915.7 | -41 | 0.3 |  |
| DC\_41\_n41 | E-UTRA Band 1, 2, 3, 4, 5, 8, 10, 11, 12, 13 , 14, 17, 18, 19, 21, 24, 25, 26, 27, 28, 29, 34, 39, 42, 44, 45, 48, 50, 51, 66, 70, 71, 73, 74  NR Band n77, n78 and n79 | FDL\_low | - | FDL\_high | -50 | 1 |  |
|  | Frequency range | 1884.5 | - | 1915.7 | -41 | 0.3 | 5 |
| E-UTRA Band 30 | FDL\_low | - | FDL\_high | -40 | 1 |  |
| E-UTRA Band 40 | FDL\_low | - | FDL\_high | -40 | 1 |  |
| NOTE1:FDL\_low and FDL\_high refer to each frequency band specified in Table 5.5-1 in 3GPP TS 36.101 [4] or in Table 5.2-1 in 3GPP TS 38.101-1 [2].  NOTE 2:As exceptions, measurements with a level up to the applicable requirements defined in Table 6.6.3.1-2 in 3GPP TS 36.101 [4] and Table 6.5.3.1-2 in 3GPP TS 38.101-1 [2] are permitted for each assigned carrier used in the measurement due to 2nd, 3rd, 4th or 5th harmonic spurious emissions. Due to spreading of the harmonic emission the exception is also allowed for the first 1 MHz frequency range immediately outside the harmonic emission on both sides of the harmonic emission. This results in an overall exception interval centred at the harmonic emission of (2MHz + N x LCRB x 180kHz), where N is 2, 3, 4, 5 for the 2nd, 3rd, 4th or 5th harmonic respectively. The exception is allowed if the measurement bandwidth (MBW) totally or partially overlaps the overall exception interval  NOTE 3: These requirements also apply for the frequency ranges that are less than FOOB (MHz) in Table 6.6.3.1-1 and Table 6.6.3.1A-1 from the edge of the channel bandwidth.  NOTE 4: Void.  NOTE 5: Applicable when co-existence with PHS system operating in 1884.5 - 1915.7 MHz. | | | | | | | |

NOTE: To simplify the above Table, E-UTRA band numbers are listed for bands which are specified only for E-UTRA operation or both E-UTRA and NR operation. NR band numbers are listed for bands which are specified only for NR operation.

<<< Unchanged sections are skipped>>>

#### 6.5B.3.3 Inter-band EN-DC within FR1

6.5B.3.3.1 General spurious emissions

The general spurious emissions requirements specified in clause 6.6.3.1 of TS 36.101 [4], clause 6.5.3.1 of TS 38.101-1 [2] and TS 38.101-2 [3] apply for each component carrier. For the case of inter-band EN-DC with a single carrier per cell group, the general spurious emissions requirements also apply with both downlink carrier and both both uplink carriers active. Limits on configured maximum output power for the uplink according to clause 6.2B.4 apply.

NOTE: The general spurious emission requirements with both uplink carriers active are allowed to be verified for only a single inter-band EN-DC configuration per NR band. Furthermore, the requirements are allowed to be verified by measuring spurious emissions at the specific frequencies where second and third order intermodulation products generated by the two transmitted carriers can occur.

Table 6.5B.3.3.1-1: (Void)

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

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

NOTE: For inter-band EN-DC with uplink assigned to one LTE band and one NR band the requirements in Table 6.5B.3.3.2-1 could be verified by measuring spurious emissions at the specific frequencies where second and third order intermodulation products generated by the two transmitted carriers can occur;

Table 6.5B.3.3.2-1: Requirements

| EN-DC Configuration | Spurious emission | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | Protected band | Frequency range (MHz) | | | Maximum Level (dBm) | MBW (MHz) | NOTE |
| DC\_1\_n3 | E-UTRA Band 1, 5, 7, 8, 11, 18, 19, 20, 21, 26, 27, 28, 31, 32, 38, 40, 41, 43, 44, 50, 51, 65, 67, 72, 73, 74, 75, 76  NR Band n79 | FDL\_low | - | FDL\_high | -50 | 1 |  |
|  | E-UTRA band 3, 34 | FDL\_low | - | FDL\_high | -50 | 1 | 5 |
|  | E-UTRA band 22, 42, 52  NR Band n77, n78 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
|  | Frequency range | 1880 |  | 1895 | -40 | 1 | 5,17 |
|  | Frequency range | 1895 |  | 1915 | -15.5 | 5 | 5, 7, 17 |
|  | Frequency range | 1915 |  | 1920 | +1.6 | 5 | 5, 7, 17 |
| DC\_1\_n5 | E-UTRA Band 1, 5, 7, 8, 11, 18, 19, 21, 22, 26, 28, 31, 38, 40, 42, 43, 50, 51, 65, 73, 74 | FDL\_low | - | FDL\_high | -50 | 1 |  |
|  | E-UTRA band 3,34 | FDL\_low | - | FDL\_high | -50 | 1 | 5 |
|  | E-UTRA band 41, 52  NR Band n77, n78, n79 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
| DC\_1\_n7 | E-UTRA Band 1, 5, 7, 8, 20, 22, 26, 27, 28, 31,32, 40, 42, 43, 50, 51, 52, 65, 67, 72, 74, 75, 76  NR Band n78, n79 | FDL\_low | - | FDL\_high | -50 | 1 |  |
|  | band n77 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
|  | band 3, 34 | FDL\_low | - | FDL\_high | -50 | 1 | 5 |
|  | Frequency range | 1880 |  | 1895 | -40 | 1 | 5,16 |
|  | Frequency range | 1895 |  | 1915 | -15.5 | 5 | 5, 7, 16 |
|  | Frequency range | 1915 |  | 1920 | +1.6 | 5 | 5, 7, 16 |
|  | Frequency range | 2570 | - | 2575 | +1.6 | 5 | 5, 6, 7 |
|  | Frequency range | 2575 | - | 2595 | -15.5 | 5 | 5, 6, 7 |
|  | Frequency range | 2595 | - | 2620 | -40 | 1 | 5, 6 |
| DC\_1\_n8 | E-UTRA Band 11, 20, 21, 28, 31, 32, 38, 40, 45, 50, 51, 65, 67, 68, 69, 72, 73, 74, 75, 76 | FDL\_low | - | FDL\_high | -50 | 1 |  |
|  | E-UTRA band 3, 7, 22, 41, 42, 43, 52  NR Band n77, n78, n79 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
|  | E-UTRA Band 1, 8, 34 | FDL\_low | - | FDL\_high | -50 | 1 | 5 |
|  | Frequency range | 1880 |  | 1895 | -40 | 1 | 5, 16 |
|  | Frequency range | 1895 |  | 1915 | -15.5 | 5 | 5, 7, 16 |
|  | Frequency range | 1915 |  | 1920 | +1.6 | 5 | 5, 7, 16 |
| DC\_1\_n20 | E-UTRA Band 1, 3, 7, 8, 22, 31, 32, 40, 43, 50, 51, 65, 67, 68, 72, 74, 75, 76 | FDL\_low | - | FDL\_high | -50 | 1 |  |
|  | E-UTRA Band 38, 42, 69  NR Band n77, n78 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
|  | E-UTRA Band 20, 34 | FDL\_low | - | FDL\_high | -50 | 1 | 5 |
|  | Frequency range | 758 | - | 788 | -50 | 1 |  |
| DC\_1\_n28 | E-UTRA Band 5, 7, 8, 18, 19, 20, 26, 27, 31, 38, 40, 41, 72, 73  NR band n79 | FDL\_low | - | FDL\_high | -50 | 1 |  |
|  | E-UTRA Band 1, 22, 32, 42, 43, 50, 51, 52, 65, 74, 75, 76  NR band n77, n78 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
|  | E-UTRA band 3, 34 | FDL\_low | - | FDL\_high | -50 | 1 | 5 |
|  | E-UTRA Band 11, 21 | FDL\_low | - | FDL\_high | -50 | 1 | 9, 11 |
|  | E-UTRA Band 1, 65 | FDL\_low | - | FDL\_high | -50 | 1 | 9, 10 |
|  | Frequency range | 470 | - | 694 | -42 | 8 | 5, 17 |
|  | Frequency range | 470 | - | 710 | -26.2 | 6 | 14 |
|  | Frequency range | 758 | - | 773 | -32 | 1 | 5 |
|  | Frequency range | 773 | - | 803 | -50 | 1 |  |
|  | Frequency range | 662 | - | 694 | -26.2 | 6 | 5 |
|  | Frequency range | 1880 | - | 1895 | -40 | 1 | 5,16 |
|  | Frequency range | 1895 | - | 1915 | -15.5 | 5 | 5, 7, 16 |
|  | Frequency range | 1915 | - | 1920 | +1.6 | 5 | 5, 7, 16 |
| DC\_1\_n38 | E-UTRA Band 1, 3, 5, 8, 20, 22, 27, 28, 31, 32, 34, 40, 42, 43, 50, 51, 65, 67, 68, 72, 74, 75, 76 | FDL\_low | - | FDL\_high | -50 | 1 | DC\_1\_n38 |
| DC\_1\_n40 | E-UTRA Band 1, 5, 7, 8, 11, 18, 19, 20, 21, 22, 26, 27, 28, 31, 32, 38, 41, 42, 43, 44, 45, 50, 51, 52, 65, 67, 68, 69, 72, 73, 74, 75, 76  NR band n78 | FDL\_low | - | FDL\_high | -50 | 1 |  |
|  | Band 3, 34 | FDL\_low | - | FDL\_high | -50 | 1 | 5 |
|  | NR band n77, n79 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
|  | Frequency range | 1880 |  | 1895 | -40 | 1 | 5, 17 |
|  | Frequency range | 1895 |  | 1915 | -15.5 | 5 | 5, 7, 17 |
|  | Frequency range | 1915 |  | 1920 | +1.6 | 5 | 5, 7, 17 |
|  | Frequency range | 1884.5 | - | 1915.7 | -41 | 0.3 | 3 |
| DC\_1\_n41 | E-UTRA Band 3, 4, 5, 8, 12, 13, 14, 17, 19, 20, 21, 24, 26, 27, 28, 29, 30, 31, 32, 42, 43, 44, 45, 50, 51, 52, 66, 67, 68, 71, 72, 73, 75, 76, 85  NR Band n78 | FDL\_low | - | FDL\_high | -50 | 1 |  |
|  | E-UTRA Band 34 | FDL\_low | - | FDL\_high | -50 | 1 | 5 |
|  | NR Band n77, n79 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
|  | E-UTRA Band 40 | FDL\_low | - | FDL\_high | -40 | 1 |  |
|  | Frequency range | 1880 |  | 1895 | -40 | 1 | 5, 8 |
|  | Frequency range | 1895 |  | 1915 | -15.5 | 5 | 5, 7, 8 |
|  | Frequency range | 1915 |  | 1920 | +1.6 | 5 | 5, 7, 8, 20 |
|  | E-UTRA Band 11, 18, 19, 21, 74 | FDL\_low | - | FDL\_high | -50 | 1 |  |
| DC\_1A\_n50A | E-UTRA Band 3, 4, 5, 7, 8, 12, 13, 17, 18, 19, 20, 26, 27, 28, 29, 31, 38, 40, 41, 42, 43, 44, 48, 52, 66, 67, 68, 69, 72, 73, 85  NR Band n78 | FDL\_low | - | FDL\_high | -50 | 1 |  |
|  | E-UTRA Band 34 | FDL\_low | - | FDL\_high | -50 | 1 | 5 |
|  | NR Band n77, n79 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
|  | Frequency range | 1880 |  | 1895 | -40 | 1 | 5,16 |
|  | Frequency range | 1895 |  | 1915 | -15.5 | 5 | 5, 7, 16 |
|  | Frequency range | 1915 |  | 1920 | +1.6 | 5 | 5, 7, 16 |
| DC\_1\_n51 | E-UTRA Band 7, 12, 13, 17, 20, 22, 27, 28, 29, 31, 38, 44, 48, 67, 68, 69, 72, 73 | FDL\_low | - | FDL\_high | -50 | 1 |  |
|  | E-UTRA Band 3, 34 | FDL\_low | - | FDL\_high | -50 | 1 | 5, 2 |
|  | Frequency range | 1880 | - | 1895 | -40 | 1 | 5, 16 |
|  | Frequency range | 1895 | - | 1915 | -15.5 | 5 | 5, 7, 16 |
|  | Frequency range | 1915 | - | 1920 | +1.6 | 5 | 5, 7, 16 |
|  | E-UTRA Band 5, 6, 8, 26, 30, 40, 41, 42, 43, 46  NR Band n77, n78, n79, | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
| DC\_1\_n71 | E-UTRA Band 1, 5, 26, | FDL\_low | - | FDL\_high | -50 | 1 |  |
|  | E-UTRA Band 41 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
|  | E-UTRA Band 71 | FDL\_low | - | FDL\_high | -50 | 1 | 5 |
| DC\_1\_n77  DC\_1\_n84\_ULSUP-TDM\_n77 | E-UTRA Band 1, 3, 5, 7, 8, 11, 18, 19, 20, 21, 26, 28, 34, 40, 41, 65, 74 | FDL\_low | - | FDL\_high | -50 | 1 |  |
|  | Frequency range | 1880 | - | 1895 | -40 | 1 | 5, 8 |
|  | Frequency range | 1895 | - | 1915 | -15.5 | 5 | 5, 7, 8 |
|  | Frequency range | 1915 | - | 1920 | +1.6 | 5 | 5, 7, 8 |
| DC\_1\_n78  DC\_1\_n84\_ULSUP-TDM\_n78 | E-UTRA Band 1, 3, 5, 7, 8, 11, 18, 19, 20, 21, 26, 28, 34, 40, 41, 65, 74 | FDL\_low | - | FDL\_high | -50 | 1 |  |
|  | Frequency range | 1880 | - | 1895 | -40 | 1 | 5, 8 |
|  | Frequency range | 1895 | - | 1915 | -15.5 | 5 | 5, 7, 8 |
|  | Frequency range | 1915 | - | 1920 | +1.6 | 5 | 5, 7, 8 |
| DC\_1\_n79  DC\_1\_n84\_ULSUP-TDM\_n79 | E-UTRA Band 1, 3, 5, 7, 8, 11, 18, 19, 21, 26, 28, 34, 40, 41, 42, 65, 74 | FDL\_low | - | FDL\_high | -50 | 1 |  |
|  | Frequency range | 1880 | - | 1895 | -40 | 1 | 5, 8 |
|  | Frequency range | 1895 | - | 1915 | -15.5 | 5 | 5, 7, 8 |
|  | Frequency range | 1915 | - | 1920 | +1.6 | 5 | 5, 7, 8 |
| DC\_1\_n80 | E-UTRA Band 1, 5, 7, 8, 11, 18, 19, 20, 21, 26, 27, 28, 31, 32, 38, 40, 41, 43, 44, 45, 50, 51, 65, 67, 68, 69, 72, 73,74, 75, 76,  NR Band n79 | FDL\_low | - | FDL\_high | -50 | 1 |  |
|  | E-UTRA Band 3, 34 | FDL\_low | - | FDL\_high | -50 | 1 | 5 |
|  | E-UTRA Band 22, 42,  NR Band n77, n78 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
| DC\_2\_n5 | E-UTRA Band 4, 5, 12, 13, 14, 17, 24, 26, 28, 29, 30, 42, 50, 51, 66, 70, 71, 74, 85, | FDL\_low | - | FDL\_high | -50 | 1 |  |
|  | NR Band n77 | FDL\_low | - | FDL\_high | -50 | 1 | 2, 5 |
|  | E-UTRA Band 2, 25, 48 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
|  | E-UTRA Band 41, 43, 53 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
| DC\_2\_n7 | E-UTRA Band 2, 4, 5, 7, 12, 13, 14, 17, 26, 27, 28, 29, 30, 42, 50, 51, 66, 74, 85 | FDL\_low | - | FDL\_high | -50 | 1 |  |
|  | E-UTRA Band 43 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
|  | Frequency range | 2570 | - | 2575 | 1.6 | 5 | 5, 6, 7 |
|  | Frequency range | 2575 | - | 2595 | -15.5 | 5 | 5, 6, 7 |
|  | Frequency range | 2595 | - | 2620 | -40 | 1 | 5, 6 |
| DC\_2\_n12 | E-UTRA Band 5, 13, 14, 17, 24, 26, 27, 30, 41, 50, 53, 71, 74 | FDL\_low | - | FDL\_high | -50 | 1 |  |
|  | E-UTRA Band 25, 85  NR band n12 | FDL\_low | - | FDL\_high | -50 | 1 | 3 |
|  | E-UTRA Band 2 | FDL\_low | - | FDL\_high | -50 | 1 | 5 |
|  | E-UTRA Band 4, 51, 66, 70,  NR Band n77 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
| DC\_2\_n38 | E-UTRA Band 4, 5, 12, 13, 14,17, 27, 28, 29, 30, 42, 50, 51, 66, 74, 85 | FDL\_low | - | FDL\_high | -50 | 1 |  |
|  | E-UTRA Band 2 | FDL\_low | - | FDL\_high | -50 | 1 | 5 |
|  | E-UTRA Band 43 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
| DC\_2\_n41 | E-UTRA Band 4, 5, 12, 13, 14, 17, 24, 26, 27, 28, 29, 30, 42, 48, 50, 51, 66, 70, 71, 74, 85 | FDL\_low | - | FDL\_high | -50 | 1 |  |
|  | E-UTRA Band 2, 25 | FDL\_low | - | FDL\_high | -50 | 1 | 5 |
|  | E-UTRA Band 43,  NR Band n77 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
| DC\_2A\_n48A | E-UTRA Band 4, 5, 12, 13, 14, 17, 24, 26, 29, 30, 41, 50, 51, 66, 70, 71, 74, 85 | FDL\_low | - | FDL\_high | -50 | 1 |  |
|  | E-UTRA Band 2, 25 | FDL\_low | - | FDL\_high | -50 | 1 | 5 |
| DC\_2\_n66 | E-UTRA Band 4, 5, 12, 13, 14, 17, 24, 26, 27, 28, 29, 30, 41, 50, 51, 66, 70, 71, 74, 85 | FDL\_low | - | FDL\_high | -50 | 1 |  |
|  | E-UTRA Band 2, 25 | FDL\_low | - | FDL\_high | -50 | 1 | 5 |
|  | E-UTRA Band 42, 48,  NR Band n77 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
| DC\_2\_n71 | E-UTRA Band 4, 5, 12, 13, 14, 17, 24, 26, 29, 30, 48, 66 | FDL\_low | - | FDL\_high | -50 | 1 |  |
|  | E-UTRA Band 2, 25, 41, 70,  NR Band n77 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
|  | E-UTRA Band 71 | FDL\_low | - | FDL\_high | -50 | 1 | 5 |
| DC\_2\_n78 | E-UTRA Band 4, 5, 12, 13, 14, 17, 24, 26, 27, 28, 29, 30, 41, 50, 51, 66, 70, 71, 74, 85 | FDL\_low | - | FDL\_high | -50 | 1 |  |
|  | E-UTRA Band 2, 25 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
| DC\_3\_n1 | E-UTRA Band 1, 5, 7, 8, 11, 18, 19, 20, 21, 26, 27, 28, 31, 32, 38, 40, 41, 43, 44, 50, 51, 65, 67, 72, 73, 74, 75, 76  NR Band n79 | FDL\_low | - | FDL\_high | -50 | 1 |  |
|  | E-UTRA band 3, 34 | FDL\_low | - | FDL\_high | -50 | 1 | 5 |
|  | E-UTRA band 22, 42, 52  NR Band n77, n78 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
|  | Frequency range | 1880 |  | 1895 | -40 | 1 | 5,17 |
|  | Frequency range | 1895 |  | 1915 | -15.5 | 5 | 5, 7, 17 |
|  | Frequency range | 1915 |  | 1920 | +1.6 | 5 | 5, 7, 17 |
| DC\_3\_n5 | E-UTRA Band 1, 5, 7, 8, 11, 18, 19, 21, 26, 28, 31, 38, 40, 43, 50, 51, 65, 73, 74  NR Band n79 | FDL\_low | - | FDL\_high | -50 | 1 |  |
|  | E-UTRA band 3,34 | FDL\_low | - | FDL\_high | -50 | 1 | 5 |
|  | E-UTRA Band 22, 42, 52  Band n77, n78 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
|  | Frequency range | 1884.5 | - | 1915.7 | -41 | 0.3 | 3 |
| DC\_3\_n7 | E-UTRA Band 1, 5, 7, 8, 20, 26, 27, 28, 31, 32, 33, 34, 40, 43, 44, 50, 51, 65, 67, 72, 74, 75, 76 | FDL\_low | - | FDL\_high | -50 | 1 |  |
|  | E-UTRA band 3 | FDL\_low | - | FDL\_high | -50 | 1 | 5 |
|  | E-UTRA band 22, 42 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
|  | Frequency range | 2570 | - | 2575 | +1.6 | 5 | 5, 6, 7 |
|  | Frequency range | 2575 | - | 2595 | -15.5 | 5 | 5, 6, 7 |
|  | Frequency range | 2595 | - | 2620 | -40 | 1 | 5, 6 |
| DC\_3\_n8 | E-UTRA Band 1, 11, 20, 21, 28, 31, 32, 33, 34, 38, 39, 40, 45, 50, 51, 65, 67,68, 69, 72, 73, 74, 75, 76 | FDL\_low | - | FDL\_high | -50 | 1 |  |
|  | E-UTRA band 3, 8 | FDL\_low | - | FDL\_high | -50 | 1 | 2, 5 |
|  | E-UTRA band 7, 22, 41, 42, 43, 52  NR Band n77, n78, n79 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
|  | Frequency range | 1884.5 | - | 1915.7 | -41 | 0.3 | 3 |
| DC\_3\_n20 | E-UTRA Band 1, 7, 8, 31, 32, 33, 34, 40, 43, 50, 51, 65, 67, 72, 74, 75, 76 | FDL\_low | - | FDL\_high | -50 | 1 |  |
|  | E-UTRA Band 3  NR band n20 | FDL\_low | - | FDL\_high | -50 | 1 | 5 |
|  | E-UTRA Band 22, 38, 42, 52 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
|  | Frequency range | 758 | - | 788 | -50 | 1 |  |
| DC\_3\_n28 | E-UTRA Band 1, 42, 43, 50, 51, 65, 74, 75, 76  NR band n77, n78, n79 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
|  | E-UTRA band 1 | FDL\_low | - | FDL\_high | -50 | 1 | 9, 11 |
|  | E-UTRA band 3 | FDL\_low | - | FDL\_high | -50 | 1 | 5 |
|  | E-UTRA Band 5, 7, 8, 18, 19, 20, 26, 27, 31, 34, 38, 40, 41, 72 | FDL\_low | - | FDL\_high | -50 | 1 |  |
|  | E-UTRA Band 11, 21 | FDL\_low | - | FDL\_high | -50 | 1 | 9, 10 |
|  | Frequency range | 1884.5 | - | 1915.7 | -41 | 0.3 | 13 |
|  | Frequency range | 470 | - | 710 | -26.2 | 6 | 14 |
|  | Frequency range | 758 | - | 773 | -32 | 1 | 5 |
|  | Frequency range | 773 | - | 803 | -50 | 1 |  |
|  | Frequency range | 1884.5 | - | 1915.7 | -41 | 0.3 | 3, 9 |
| DC\_3\_n34 | E-UTRA Band 1, 7, 8, 11, 18, 19, 20, 21, 26, 28, 31, 32, 33, 38, 39, 40, 41, 43, 44, 45, 50, 51, 65, 67, 69,72, 73, 74, 75, 76, 79 | FDL\_low | - | FDL\_high | -50 | 1 |  |
|  | E-UTRA Band 22, 42, 52  NR Band n78 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
|  | E-UTRA Band 3 | FDL\_low | - | FDL\_high | -50 | 1 | 5 |
|  | Frequency range | 1884.5 | - | 1915.7 | -41 | 0.3 | 3 |
| DC\_3\_n38 | E-UTRA Band 1, 5, 8, 20, 27, 28, 31, 32, 33, 34, 40, 43, 50, 51, 65, 67, 68, 72, 74, 75, 76 | FDL\_low | - | FDL\_high | -50 | 1 |  |
|  | E-UTRA Band 22, 42 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
| DC\_3\_n40 | E-UTRA Band 1, 5, 7, 8, 11, 18, 19, 20, 21, 26, 27, 28, 31, 32, 33, 34, 38, 39, 41, 43, 44. 45, 50, 51, 65, 67, 68, 69, 72, 73, 74, 75, 76 | FDL\_low | - | FDL\_high | -50 | 1 |  |
|  | E-UTRA Band 3 | FDL\_low | - | FDL\_high | -50 | 1 | 5 |
|  | E-UTRA Band 22, 42, 52  NR band n77, n78, n79 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
|  | Frequency range | 1884.5 | - | 1915.7 | -41 | 0.3 | 3 |
| DC\_3\_n41,  DC\_3\_n80\_ULSUP-TDM\_n41 | E-UTRA Band 1, 5, 8, 11, 18, 19, 21, 26, 27, 28, 34, 39, 44, 45, 50, 51, 65, 73, 74 | FDL\_low | - | FDL\_high | -50 | 1 |  |
|  | E-UTRA Band 42, 52  NR Band n77, n78, n79 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
|  | E-UTRA Band 40 | FDL\_low | - | FDL\_high | -40 | 1 |  |
|  | Frequency range | 1884.5 | - | 1915.7 | -41 | 0.3 | 3 |
| DC\_3\_n50 | E-UTRA Band 5, 7, 8, 12, 13, 17, 18, 19, 20, 26, 27, 28, 29, 31, 38, 40, 41, 43, 44, 52, 67, 68, 69, 72, 73 | FDL\_low | - | FDL\_high | -50 | 1 |  |
|  | E-UTRA Band 1, 2, 4, 33, 34, 39, 42, 48, 65, 66  NR Band n77, n78, n79 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
|  | Frequency range | 1884.5 | - | 1915.7 | -41 | 0.3 |  |
| DC\_3\_n51 | E-UTRA Band 7, 8, 12, 13, 17, 20, 27, 28, 31, 33, 38, 67, 68, 69, 72, 73 | FDL\_low | - | FDL\_high | -50 | 1 |  |
|  | E-UTRA Band 3 | FDL\_low | - | FDL\_high | -50 | 1 | 5 |
|  | E-UTRA Band 1, 5, 6, 22, 26, 30, 34, 36, 40, 41, 42, 43, 44, 48, 46, 65, 71 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
| DC\_3\_n71 | E-UTRA Band 5, 26, | FDL\_low | - | FDL\_high | -50 | 1 |  |
|  | E-UTRA Band 41 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
|  | E-UTRA Band 3, 71 | FDL\_low | - | FDL\_high | -50 | 1 | 5 |
| DC\_3\_n77  DC\_3\_n80\_ULSUP-TDM\_n77 | E-UTRA Band 1, 3, 5, 7, 8, 11, 18, 19, 20, 21, 26, 28, 34, 39, 40, 41, 65, 74 | FDL\_low | - | FDL\_high | -50 | 1 |  |
|  | Frequency range | 1884.5 | - | 1915.7 | -41 | 0.3 | 3 |
| DC\_3\_n78  DC\_3\_n80\_ULSUP-TDM\_n78 | E-UTRA Band 1, 3, 5, 7, 8, 11, 18, 19, 20, 21, 26, 28, 34, 39, 40, 41, 65, 74 | FDL\_low | - | FDL\_high | -50 | 1 |  |
|  | Frequency range | 1884.5 | - | 1915.7 | -41 | 0.3 | 3 |
| DC\_3\_n79 DC\_3\_n80\_ULSUP-TDM\_n79 | E-UTRA Band 1, 3, 5, 8, 11, 18, 19, 21, 28, 34, 39, 40, 41, 65, 74 | FDL\_low | - | FDL\_high | -50 | 1 |  |
|  | E-UTRA Band 42 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
|  | Frequency range | 1884.5 | - | 1915.7 | -41 | 0.3 | 3 |
| DC\_3\_n82 | E-UTRA Band 1, 3 7, 8, 20,31, 32, 33, 34, 40, 43, 50, 51, 65, 67, 68, 72,74, 75, 76 | FDL\_low | - | FDL\_high | -50 | 1 |  |
|  | E-UTRA Band 22, 38, 42, 69 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
| DC\_3\_n84 | E-UTRA Band 1, 5, 7, 8, 11, 18, 19, 20, 21, 26, 27, 28, 31, 32, 38, 40, 41, 43, 44, 45, 50, 51, 65, 67, 68, 69, 72, 73,74, 75, 76  NR Band n79 | FDL\_low | - | FDL\_high | -50 | 1 |  |
|  | E-UTRA Band 3 | FDL\_low | - | FDL\_high | -50 | 1 | 5 |
|  | NR Band n77, n78 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
| DC\_4\_n38 | E-UTRA Band 2, 4, 5, 12, 13, 14, 17, 27, 28, 29, 30, 43, 50, 51, 66, 74, 85 | FDL\_low | - | FDL\_high | -50 | 1 |  |
|  | E-UTRA Band 42 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
| DC\_4\_n41 | E-UTRA Band 2, 4, 5, 12, 13, 14, 17, 24, 25, 26, 27, 28, 29, 30, 48, 50, 51, 66, 70, 71, 74, 85 | FDL\_low | - | FDL\_high | -50 | 1 |  |
|  | E-UTRA Band 42,  NR Band n77 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
| DC\_4\_n78 | E-UTRA Band 5, 7, 26, 28, 41 | FDL\_low | - | FDL\_high | -50 | 1 |  |
| DC\_5\_n2 | E-UTRA Band 4, 5, 12, 13, 14, 17, 24, 28, 29, 30, 42, 50, 51, 66, 70, 71, 74, 85 | FDL\_low | - | FDL\_high | -50 | 1 |  |
|  | E-UTRA Band 25 | FDL\_low | - | FDL\_high | -50 | 1 | 5 |
|  | NR Band n2 | FDL\_low | - | FDL\_high | -50 | 1 | 5 |
|  | E-UTRA Band 26 | 859 | - | 869 | -27 | 1 |  |
|  | E-UTRA Band 41, 43, 53  NR Band n77 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
| DC\_5\_n7 | E-UTRA Band 1, 2, 3, 4, 5, 7, 8, 12, 13, 14, 17, 28, 29, 30, 31, 34, 40, 42, 43, 65, 66, 71, 85 | FDL\_low | - | FDL\_high | -50 | 1 |  |
|  | E-UTRA Band 52  NR Band n77, n78 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
|  | E-UTRA band 26 | 859 | - | 869 | -27 | 1 |  |
|  | Frequency range | 2570 | - | 2575 | +1.6 | 5 | 5, 7, 6 |
|  | Frequency range | 2575 | - | 2595 | -15.5 | 5 | 5, 7, 6 |
|  | Frequency range | 2595 | - | 2620 | -40 | 1 | 5, 14 |
| DC\_5\_n12 | E-UTRA Band 2, 5, 13, 14, 17, 24, 25, 26, 30, 43, 50, 71, 74 | FDL\_low | - | FDL\_high | -50 | 1 |  |
|  | E-UTRA Bands 4, 41, 42, 48, 51, 66, 70,  NR Band n77 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
|  | E-UTRA Band 12, 85 | FDL\_low | - | FDL\_high | -50 | 1 | 5 |
| DC\_5\_n38 | E-UTRA Band 1, 2, 3, 4, 5, 8, 12, 13, 14, 17, 28, 29, 30, 31, 34, 40, 42, 43, 50, 51, 65, 66, 74, 85 | FDL\_low | - | FDL\_high | -50 | 1 |  |
|  | E-UTRA Band 52 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
| DC\_5\_n40 | E-UTRA Band 1, 3, 5, 7, 8, 11, 18, 19, 21, 28, 31, 34, 38, 42, 43, 45, 65, 73, 74 | FDL\_low | - | FDL\_high | -50 | 1 |  |
|  | E-UTRA Band 26 | 859 | - | 869 | -27 | 1 |  |
|  | E-UTRA Band 41, 52  NR band n77, n78, n79 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
|  | Frequency range | 1884.5 | - | 1915.7 | -41 | 0.3 | 3 |
| DC\_5\_n48 | E-UTRA Band 2, 4, 5, 12, 13, 14, 17, 24, 25, 29, 30, 50, 51, 66, 70, 71, 74, 85 | FDL\_low | - | FDL\_high | -50 | 1 |  |
|  | E-UTRA Band 26 | 859 | - | 869 | -27 | 1 |  |
|  | E-UTRA Band 41 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
| DC\_5\_n66 | E-UTRA Band 1, 2, 3, 4, 5, 6, 7, 8, 12, 13, 14, 17, 24, 25, 28, 29, 30, 34, 38, 40, 43, 45, 50, 51, 65, 66, 70, 71, 85 | FDL\_low | - | FDL\_high | -50 | 1 |  |
|  | E-UTRA Band 26 | 859 | - | 869 | -27 | 1 |  |
|  | E-UTRA Band 41, 42, 48, 52,  NR Band n77 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
| DC\_5\_n71 | E-UTRA Band 4, 5, 12, 13, 14, 17, 24, 26, 30, 48, 66, 85 | FDL\_low | - | FDL\_high | -50 | 1 |  |
|  | E-UTRA Band 2, 25, 41, 70,  NR Band n77 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
|  | E-UTRA Band 29 | FDL\_low | - | FDL\_high | -38 | 1 | 5 |
|  | E-UTRA Band 71 | FDL\_low | - | FDL\_high | -50 | 1 | 5 |
| DC\_5\_n78 | E-UTRA Band 1, 2, 3, 4, 5, 7, 8, 12, 13, 14, 17, 24, 25, 28, 29, 30, 31, 34, 38, 40, 45, 65, 66, 70 | FDL\_low | - | FDL\_high | -50 | 1 |  |
|  | E-UTRA Band 26 | 859 | - | 869 | -27 | 1 |  |
|  | E-UTRA Band 41 | FDL\_low | - | FDL\_high | -50 | 1 | 2, 7 |
| DC\_5\_n79 | Bands 1, 2, 3, 4, 5, 7, 8, 12, 13, 14, 17, 24, 25, 28, 29, 30, 31, 34, 38, 40, 42, 43, 45, 48, 50, 51, 65, 66, 70, 71, 73, 74, 85 | FDL\_low | - | FDL\_high | -50 | 1 |  |
|  | E-UTRA Band 26 | 859 | - | 869 | -27 | 1 |  |
|  | Bands 41, 52 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
| DC\_7\_n1 | Band 1, 5, 7, 8, 20, 22, 26, 27, 28, 31,32, 40, 42, 43, 50, 51, 52, 65, 67, 72, 74, 75, 76, n78, n79 | FDL\_low | - | FDL\_high | -50 | 1 |  |
|  | band n77 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
|  | band 3, 34 | FDL\_low | - | FDL\_high | -50 | 1 | 5 |
|  | Frequency range | 1880 |  | 1895 | -40 | 1 | 5,16 |
|  | Frequency range | 1895 |  | 1915 | -15.5 | 5 | 5, 7,16 |
|  | Frequency range | 1915 |  | 1920 | +1.6 | 5 | 5, 7,16 |
|  | Frequency range | 2570 | - | 2575 | +1.6 | 5 | 5, 6, 7 |
|  | Frequency range | 2575 | - | 2595 | -15.5 | 5 | 5, 6, 7 |
|  | Frequency range | 2595 | - | 2620 | -40 | 1 | 5, 6 |
| DC\_7\_n3 | E-UTRA Band 1, 5, 7, 8, 20, 26, 27, 28, 31, 32, 33, 34, 40, 43, 50, 51, 65, 67, 68, 72, 74, 75, 76 | FDL\_low | - | FDL\_high | -50 | 1 |  |
|  | E-UTRA band 3 | FDL\_low | - | FDL\_high | -50 | 1 | 5 |
|  | E-UTRA band 22, 42, 52  NR band n78, n77 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
|  | Frequency range | 2570 | - | 2575 | +1.6 | 5 | 5, 6, 7 |
|  | Frequency range | 2575 | - | 2595 | -15.5 | 5 | 5, 6, 7 |
|  | Frequency range | 2595 | - | 2620 | -40 | 1 | 5, 6 |
| DC\_7\_n5 | E-UTRA Band 1, 2, 3, 4, 5, 7, 8, 12, 13, 14, 17, 22, 26, 28, 29, 30, 31, 40, 42, 43, 50, 51, 65, 66, 74, 85 | FDL\_low | - | FDL\_high | -50 | 1 |  |
|  | E-UTRA Band 52  NR Band n77, n78 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
|  | Frequency range | 2570 | - | 2575 | +1.6 | 5 | 5, 7, 6 |
|  | Frequency range | 2575 | - | 2595 | -15.5 | 5 | 5, 7, 6 |
|  | Frequency range | 2595 | - | 2620 | -40 | 1 | 5, 14 |
| DC\_7\_n8 | E-UTRA Band 1, 20, 28, 31, 32, 33, 34, 40, 50, 51, 65, 67, 68, 72, 74, 75, 76 | FDL\_low | - | FDL\_high | -50 | 1 |  |
|  | E-UTRA band 3, 7, 22, 42, 43, 52  NR Band n77, n78 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
|  | E-UTRA Band 8 | FDL\_low | - | FDL\_high | -50 | 1 | 5 |
|  | Frequency range | 2570 | - | 2575 | +1.6 | 5 | 5, 6, 7 |
|  | Frequency range | 2575 | - | 2595 | -15.5 | 5 | 5, 6, 7 |
|  | Frequency range | 2595 | - | 2620 | -40 | 1 | 5, 6 |
| DC\_7\_n20 | E-UTRA Band 1, 3, 7, 8, 22, 31, 32, 33, 34, 40, 43, 50, 51, 65, 67, 68, 72, 74, 75, 76 | FDL\_low | - | FDL\_high | -50 | 1 |  |
|  | E-UTRA Band 42, 52  NR band n78, n77 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
|  | E-UTRA Band 20 | FDL\_low | - | FDL\_high | -50 | 1 | 5 |
| DC\_7\_n28 | E-UTRA Band 2, 3, 5, 7, 8, 20, 26, 27, 31, 34, 40, 72 | FDL\_low | - | FDL\_high | -50 | 1 |  |
|  | E-UTRA Band 1, 4, 42, 43, 50, 51, 65, 66, 74, 75, 76  NR band n78 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
|  | E-UTRA band 1 | FDL\_low | - | FDL\_high | -50 | 1 | 9, 10 |
|  | Frequency range | 758 | - | 773 | -32 | 1 | 5 |
|  | Frequency range | 773 | - | 803 | -50 | 1 |  |
|  | Frequency range | 2570 | - | 2575 | +1.6 | 5 | 5, 6, 7 |
|  | Frequency range | 2575 | - | 2595 | -15.5 | 5 | 5, 6, 7 |
|  | Frequency range | 2595 | - | 2620 | -40 | 1 | 5, 6 |
| DC\_7\_n40 | E-UTRA Band 1, 3, 5, 7, 8, 20, 22, 26, 27, 28, 31, 32, 33, 34, 42, 43, 50, 51, 52, 65, 67, 68, 72, 74, 75, 76, 77, 78 | FDL\_low | - | FDL\_high | -50 | 1 |  |
|  | Frequency range | 2570 | - | 2575 | +1.6 | 5 | 5, 6, 7 |
|  | Frequency range | 2575 | - | 2595 | -15.5 | 5 | 5, 6, 7 |
|  | Frequency range | 2595 | - | 2620 | -40 | 1 | 5, 6 |
| DC\_7\_n51 | E-UTRA Band 2, 3, 5, 8, 26, 30, 31, 32, 33, 34, 40, 48, 72 | FDL\_low | - | FDL\_high | -50 | 1 |  |
|  | Frequency range | 2570 | - | 2575 | +1.6 | 5 | 5, 7, 16 |
|  | Frequency range | 2575 | - | 2595 | -15.5 | 5 | 5, 7, 16 |
|  | Frequency range | 2595 | - | 2620 | -40 | 1 | 5 |
|  | E-UTRA Band 1, 4, 12, 13, 14, 17, 20, 22, 23, 27, 28, 29, 42, 43, 44, 46, 65, 66, 67, 68  NR Band n77, n78, n79, | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
| DC\_7\_n66 | E-UTRA Band 2, 4, 5, 7, 12, 13, 14, 17, 26, 27, 28, 29, 30, 43, 50, 51, 66, 74, 85 | FDL\_low | - | FDL\_high | -50 | 1 |  |
|  | E-UTRA Band 42 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
|  | Frequency range | 2570 | - | 2575 | +1.6 | 5 | 5, 6, 7 |
|  | Frequency range | 2575 | - | 2595 | -15.5 | 5 | 5, 6, 7 |
|  | Frequency range | 2595 | - | 2620 | -40 | 1 | 5, 6 |
| DC\_7\_n71 | E-UTRA Band 4, 5, 12, 13, 14, 17, 26, 30, 66, 85 | FDL\_low | - | FDL\_high | -50 | 1 |  |
|  | E-UTRA Band 2, 70 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
|  | E-UTRA Band 29 | FDL\_low | - | FDL\_high | -38 | 1 | 5 |
|  | Frequency range | 2570 | - | 2575 | 1.6 | 5 | 5, 6, 7 |
|  | Frequency range | 2575 | - | 2595 | -15.5 | 5 | 5, 6, 7 |
|  | Frequency range | 2595 | - | 2620 | -40 | 1 | 5, 6 |
| DC\_7\_n77 | E-UTRA Band 1, 2, 3, 4, 5, 7, 8, 11, 18, 19, 20, 21, 26, 27, 28, 31, 32, 33, 34, 40, 50, 51, 65, 66, 67, 68, 72, 74, 75, 76 | FDL\_low | - | FDL\_high | -50 | 1 |  |
|  | Frequency range | 2570 | - | 2575 | +1.6 | 5 | 5, 6, 7 |
|  | Frequency range | 2575 | - | 2595 | -15.5 | 5 | 5, 6, 7 |
|  | Frequency range | 2595 | - | 2620 | -40 | 1 | 5, 6 |
| DC\_7\_n78 | E-UTRA Band 1, 2, 3, 4, 5, 7, 8, 11, 18, 19, 20, 21, 26, 27, 28, 31, 32, 33, 34, 40, 50, 51, 65, 66, 67, 68, 72, 74, 75, 76 | FDL\_low | - | FDL\_high | -50 | 1 |  |
|  | Frequency range | 2570 | - | 2575 | +1.6 | 5 | 5, 6, 7 |
|  | Frequency range | 2575 | - | 2595 | -15.5 | 5 | 5, 6, 7 |
|  | Frequency range | 2595 | - | 2620 | -40 | 1 | 5, 6 |
| DC\_8\_n1 | E-UTRA Band 20, 28, 31, 32, 38, 40, 50, 51, 65, 67, 72, 73, 74, 75, 76 | FDL\_low | - | FDL\_high | -50 | 1 |  |
|  | E-UTRA band 3, 7, 22, 41, 42, 43, 52  NR Band n77, n78, n79 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
|  | E-UTRA Band 1, 8, 34 | FDL\_low | - | FDL\_high | -50 | 1 | 5 |
|  | E-UTRA band 11, 21 | FDL\_low | - | FDL\_high | -50 | 1 | 12 |
|  | Frequency range | 860 | - | 890 | -40 | 1 | 5, 12 |
|  | Frequency range | 1880 |  | 1895 | -40 | 1 | 5, 16 |
|  | Frequency range | 1895 |  | 1915 | -15.5 | 5 | 5, 7, 16 |
|  | Frequency range | 1915 |  | 1920 | +1.6 | 5 | 5, 7, 16 |
| DC\_8\_n3 | E-UTRA Band 1, 20, 28, 31, 32, 33, 34, 38, 39, 40, 44, 50, 51, 65, 67, 72, 73, 74, 75, 76 | FDL\_low | - | FDL\_high | -50 | 1 |  |
|  | E-UTRA band 3, 8 | FDL\_low | - | FDL\_high | -50 | 1 | 2, 5 |
|  | E-UTRA band 11, 21 | FDL\_low | - | FDL\_high | -50 | 1 | 12 |
|  | E-UTRA band 7, 22, 41, 42, 43, 52  NR Band n77, n78, n79 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
|  | Frequency range | 1884.5 | - | 1915.7 | -41 | 0.3 | 3.12 |
|  | Frequency range | 860 | - | 890 | -40 | 1 | 5. 12 |
| DC\_7\_n80 | E-UTRA Band 1, 5, 7, 8, 20, 26, 27, 28, 31, 32, 33, 34, 40, 43, 50, 51, 65, 67, 68, 72, 74, 75, 76.  NR Band n79 | FDL\_low | - | FDL\_high | -50 | 1 |  |
|  | E-UTRA Band 3 | FDL\_low | - | FDL\_high | -50 | 1 | 5 |
|  | E-UTRA Band 22, 42,  NR Band n77, n78 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
|  | Frequency range | 2570 | - | 2575 | +1.6 | 5 | 5, 6, 7 |
|  | Frequency range | 2575 | - | 2595 | -15.5 | 5 | 5, 6, 7 |
|  | Frequency range | 2595 | - | 2620 | -40 | 1 | 5, 6 |
| DC\_8\_n20 | E-UTRA Band 1, 31, 32, 33, 34, 40, 50, 51, 65, 67, 68, 72, 74, 75, 76 | FDL\_low | - | FDL\_high | -50 | 1 |  |
|  | E-UTRA Band 3, 7, 22, 38, 42, 43, 52, 69  NR band n77, n78 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
|  | E-UTRA Band 8, 20 | FDL\_low | - | FDL\_high | -50 | 1 | 5 |
|  | Frequency range | 758 | - | 788 | -50 | 1 |  |
| DC\_8\_n28 | E-UTRA Band 20, 31, 34, 38, 40, 72 | FDL\_low | - | FDL\_high | -50 | 1 |  |
|  | E-UTRA band 3, 7, 22, 41, 42, 43, 50, 51, 65, 73, 74, 75, 76  NR Band n77, n78, n79 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
|  | E-UTRA Band 1 | FDL\_low | - | FDL\_high | -50 | 1 | 2, 9, 11 |
|  | E-UTRA Band 8 | FDL\_low | - | FDL\_high | -50 | 1 | 5 |
|  | E-UTRA Band 11, 21 | FDL\_low | - | FDL\_high | -50 | 1 | 9, 10, 12 |
|  | Frequency range | 470 | - | 694 | -42 | 8 | 5, 17 |
|  | Frequency range | 470 | - | 710 | -26.2 | 6 | 14 |
|  | Frequency range | 662 | - | 694 | -26.2 | 6 | 5 |
|  | Frequency range | 758 | - | 773 | -32 | 1 | 5 |
|  | Frequency range | 773 | - | 803 | -50 | 1 |  |
|  | Frequency range | 860 | - | 890 | -40 | 1 | 5, 12 |
|  | Frequency range | 1884.5 | - | 1915.7 | -41 | 0.3 | 3, 9, 12 |
| DC\_8\_n34 | E-UTRA Band 1, 20, 28, 31, 32, 33, 38, 39, 40, 45, 50, 51, 65, 67, 69,72, 73, 74, 75, 76 | FDL\_low | - | FDL\_high | -50 | 1 |  |
|  | E-UTRA Band 3, 7, 22, 41, 42, 43, 52  NR Band n78, n79 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
|  | E-UTRA Band 8 | FDL\_low | - | FDL\_high | -50 | 1 | 5 |
|  | E-UTRA Band 11, 21 | FDL\_low | - | FDL\_high | -50 | 1 | 12 |
|  | Frequency range | 1884.5 | - | 1915.7 | -41 | 0.3 | 3, 12 |
|  | Frequency range | 860 | - | 890 | -40 | 1 | 5, 12 |
| DC\_8\_n39 | E-UTRA Band 1, 28, 34, 40, 45, 50, 51, 73, 74 | FDL\_low | - | FDL\_high | -50 | 1 |  |
|  | UTRA Band 22, 41, 42, 52  NR Band n77, n78, n79 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
|  | E-UTRA Band 8 | FDL\_low | - | FDL\_high | -50 | 1 | 5 |
| DC\_8\_n40 | E-UTRA Band 1, 5, 11, 18, 19, 20, 21, 26, 28, 31, 32, 33, 34, 38, 39,, 45, 50, 51, 65, 67, 68, 69, 72, 73, 74, 75, 76 | FDL\_low | - | FDL\_high | -50 | 1 |  |
|  | E-UTRA Band 3, 7, 22, 41, 42, 43, 52  NR band n77, n78, n79 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
|  | E-UTRA Band 8 | FDL\_low | - | FDL\_high | -50 | 1 | 5 |
|  | Frequency range | 1884.5 | - | 1915.7 | -41 | 0.3 | 3 |
| DC\_8\_n41,  DC\_8\_n81\_ULSUP-TDM\_n41 | E-UTRA Band 1, 11, 21, 28, 34, 39, 45, 50, 51, 65, 73, 74 | FDL\_low | - | FDL\_high | -50 | 1 |  |
|  | E-UTRA band 3, 42, 52  NR Band n77, n78, n79 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
|  | E-UTRA Band 8 | FDL\_low | - | FDL\_high | -50 | 1 | 5 |
|  | E-UTRA Band 40 | FDL\_low | - | FDL\_high | -40 | 1 |  |
|  | Frequency range | 860 | - | 890 | -40 | 1 | 5, 12 |
|  | Frequency range | 1884.5 |  | 1915.7 | -41 | 0.3 | 3 |
| DC\_8\_n77 | E-UTRA Band 1, 20, 28, 31, 32, 33, 34, 38, 39, 40, 44, 45, 50, 51, 65, 67, 68, 69, 72, 73, 74, 75, 76 | FDL\_low | - | FDL\_high | -50 | 1 |  |
|  | E-UTRA band 3, 7, 41 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
|  | E-UTRA Band 8 | FDL\_low | - | FDL\_high | -50 | 1 | 5 |
|  | E-UTRA Band 11, 21 | FDL\_low | - | FDL\_high | -50 | 1 | 12 |
|  | Frequency range | 860 | - | 890 | -40 | 1 | 5, 12 |
|  | Frequency range | 1884.5 | - | 1915.7 | -41 | 0.3 | 3, 12 |
| DC\_8\_n78  DC\_8\_n81\_ULSUP-TDM\_n78 | E-UTRA Band 1, 20, 28, 34, 39, 40, 65, 74 | FDL\_low | - | FDL\_high | -50 | 1 |  |
|  | E-UTRA Band 3, 7, 41 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
|  | E-UTRA Band 8 | FDL\_low | - | FDL\_high | -50 | 1 | 5 |
|  | E-UTRA Band 11, 21 | FDL\_low | - | FDL\_high | -50 | 1 | 12 |
|  | Frequency range | 860 | - | 890 | -40 | 1 | 5, 12 |
|  | Frequency range | 1884.5 | - | 1915.7 | -41 | 0.3 | 3, 12 |
| DC\_8\_n79  DC\_8\_n81\_ULSUP-TDM\_n79 | E-UTRA Band 1, 8, 28, 34, 39, 40, 65, 74 | FDL\_low | - | FDL\_high | -50 | 1 |  |
|  | E-UTRA Band 3,41,42 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
|  | E-UTRA Band 11, 21 | FDL\_low | - | FDL\_high | -50 | 1 | 12 |
|  | Frequency range | 860 | - | 890 | -40 | 1 | 5, 12 |
|  | Frequency range | 1884.5 | - | 1915.7 | -41 | 0.3 | 3 |
| DC\_8\_n80 | E-UTRA Band 1, 20, 28, 31, 32, 33, 34, 38, 39, 40, 45, 50, 51, 65, 67, 68, 69, 72, 73, 74, 75, 76 | FDL\_low | - | FDL\_high | -50 | 1 |  |
|  | E-UTRA Band 3, 8 | FDL\_low | - | FDL\_high | -50 | 1 | 5 |
|  | E-UTRA Band 3, 7, 22, 41, 42, 43, 52  NR Band n77, n78, n79 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
|  | E-UTRA Band 11, 21 | FDL\_low | - | FDL\_high | -50 | 1 | 13 |
|  | Frequency range | 1884.5 | - | 1915.7 | -41 | 0.3 | 3 |
| DC\_8A\_93A\_ULSUP-TDM,  DC\_8A\_94A\_ULSUP-TDM | E-UTRA Band 1, 20, 28, 31, 32, 33, 34, 38, 39, 40, 45, 50, 51, 52, 65, 67, 68, 69, 72, 73, 74, 75, 76 | FDL\_low | - | FDL\_high | -50 | 1 |  |
|  | E-UTRA band 3, 7, 22, 41, 42, 43  NR Band n77, n78 | FDL\_low | - | FDL\_high | -50 | 1 | 2, 5 |
|  | E-UTRA 8 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
| DC\_11\_n3 | E-UTRA Band 1, 11, 18, 19, 21, 28, 34, 40, 65  NR band n79 | FDL\_low | - | FDL\_high | -50 | 1 |  |
|  | E-UTRA band 3 | FDL\_low | - | FDL\_high | -50 | 1 | 5 |
|  | E-UTRA Band 42  NR band n77, n78 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
|  | Frequency range | 945 | - | 960 | -50 | 1 |  |
|  | Frequency range | 1884.5 | - | 1915.7 | -41 | 0.3 | 3 |
|  | Frequency range | 2545 | - | 2575 | -50 | 1 |  |
|  | Frequency range | 2595 | - | 2645 | -50 | 1 |  |
| DC\_11\_n28 | E-UTRA Band 3, 18, 19, 34, 40  NR band n79 | FDL\_low | - | FDL\_high | -50 | 1 |  |
|  | E-UTRA band 42, 65, 74  NR band n77, n78 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
|  | E-UTRA band 1 | FDL\_low | - | FDL\_high | -50 | 1 | 9, 11 |
|  | E-UTRA Band 11, 21 | FDL\_low | - | FDL\_high | -50 | 1 | 9, 10 |
|  | Frequency range | 470 | - | 710 | -26.2 | 6 | 14 |
|  | Frequency range | 773 | - | 803 | -50 | 1 |  |
|  | Frequency range | 945 | - | 960 | -50 | 1 |  |
|  | Frequency range | 1884.5 | - | 1915.7 | -41 | 0.3 | 3, 9 |
|  | Frequency range | 2545 | - | 2575 | -50 | 1 |  |
|  | Frequency range | 2595 | - | 2645 | -50 | 1 |  |
| DC\_11\_n77 | E-UTRA Band 1, 3, 18, 19, 28, 34, 40, 65 | FDL\_low | - | FDL\_high | -50 | 1 |  |
|  | Frequency range | 945 | - | 960 | -50 | 1 |  |
|  | Frequency range | 1884.5 | - | 1915.7 | -41 | 0.3 | 3 |
|  | Frequency range | 2545 | - | 2575 | -50 | 1 |  |
|  | Frequency range | 2595 | - | 2645 | -50 | 1 |  |
| DC\_11\_n78 | E-UTRA Band 1, 3, 18, 19, 28, 34, 40, 65 | FDL\_low | - | FDL\_high | -50 | 1 |  |
|  | Frequency range | 945 | - | 960 | -50 | 1 |  |
|  | Frequency range | 1884.5 | - | 1915.7 | -41 | 0.3 | 3 |
|  | Frequency range | 2545 | - | 2575 | -50 | 1 |  |
|  | Frequency range | 2595 | - | 2645 | -50 | 1 |  |
| DC\_11\_n79 | E-UTRA Band 1, 3, 18, 19, 28, 34, 40, 42, 65 | FDL\_low | - | FDL\_high | -50 | 1 |  |
|  | Frequency range | 945 | - | 960 | -50 | 1 |  |
|  | Frequency range | 1884.5 | - | 1915.7 | -41 | 0.3 | 3 |
|  | Frequency range | 2545 | - | 2575 | -50 | 1 |  |
|  | Frequency range | 2595 | - | 2645 | -50 | 1 |  |
| DC\_12\_n2 | E-UTRA Band 5, 13, 14, 17, 24, 26, 27, 30, 41, 50, 53, 71, 74 | FDL\_low | - | FDL\_high | -50 | 1 |  |
|  | E-UTRA Band 12, 25, 85 | FDL\_low | - | FDL\_high | -50 | 1 | 3 |
|  | E-UTRA Band 2 | FDL\_low | - | FDL\_high | -50 | 1 | 5 |
|  | E-UTRA Band 4, 51, 66, 70,  NR Band n77 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
| DC\_12\_n5 | E-UTRA Band 2, 5, 13, 14, 17, 24, 25, 26, 30, 43 50, 71, 74 | FDL\_low | - | FDL\_high | -50 | 1 |  |
|  | E-UTRA Bands 4, 41, 42, 48, 51, 66, 70,  NR Band n77 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
|  | E-UTRA Band 12, 85 | FDL\_low | - | FDL\_high | -50 | 1 |  |
| DC\_12\_n66 | E-UTRA Band 2, 5, 13, 14, 17, 25, 26, 27, 30, 41, 53, 71, 74 | FDL\_low | - | FDL\_high | -50 | 1 |  |
|  | E-UTRA Band 4, 48, 50, 51, 66, 70  NR Band n77 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
|  | E-UTRA Band 12, 85 | FDL\_low | - | FDL\_high | -50 | 1 | 5 |
| DC\_12\_n7 | E-UTRA Band 2, 5, 7, 13, 14, 17, 26, 27, 30, 74, | FDL\_low | - | FDL\_high | -50 | 1 |  |
|  | E-UTRA Band 4, 50, 51,66  NR Band n78 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
|  | E-UTRA Band 12, 85 | FDL\_low | - | FDL\_high | -50 | 1 | 5 |
|  | Frequency range | 2570 | - | 2575 | +1.6 | 5 | 5, 6, 7 |
|  | Frequency range | 2575 | - | 2595 | -15.5 | 5 | 5, 6, 7 |
|  | Frequency range | 2595 | - | 2620 | -40 | 1 | 5, 6 |
| DC\_12\_n25 | E-UTRA Band 5, 13, 14, 17, 24, 26, 27, 30, 41, 53, 71 | FDL\_low | - | FDL\_high | -50 | 1 |  |
|  | E-UTRA Band 4, 48, 66, 70.  NR Band n77 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
|  | E-UTRA Band 2, 12, 25, 85 | FDL\_low | - | FDL\_high | -50 | 1 | 15 |
| DC\_12\_n38 | E-UTRA Band 2, 5, 13. 14. 17, 27, 30, 74 | FDL\_low | - | FDL\_high | -50 | 1 |  |
|  | E-UTRA Band 4, 50, 51, 66 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
|  | E-UTRA band 12, 85 | FDL\_low | - | FDL\_high | -50 | 1 | 5 |
| DC\_12\_n41 | E-UTRA Band 2, 5, 13, 14, 17, 24, 25, 26, 27, 30, 71, 74 | FDL\_low | - | FDL\_high | -50 | 1 |  |
|  | E-UTRA band 4, 48, 50, 51, 66, 70 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
|  | E-UTRA band 12, 85 | FDL\_low | - | FDL\_high | -50 | 1 | 5 |
| DC\_12\_n78 | E-UTRA Band 2, 5, 7. 13, 17, 25, 26, 41, 71 | FDL\_low | - | FDL\_high | -50 | 1 |  |
|  | E-UTRA Band 4, 66 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
|  | E-UTRA band 12 | FDL\_low | - | FDL\_high | -50 | 1 | 5 |
|  | Frequency range | 1884.5 | - | 1915.7 | -41 | 0.3 | 3 |
| DC\_13\_n2 | E-UTRA Band 4, 5,12,13,17, 26, 29, 41, 48, 66, 70, 71 | FDL\_low | - | FDL\_high | -50 | 1 |  |
|  | E-UTRA Band 2,14, 25 | FDL\_low | - | FDL\_high | -50 | 1 | 5 |
|  | E-UTRA Band 30 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
|  | Frequency range | 769 | - | 775 | -35 | 0.00625 | 5 |
|  | Frequency range | 799 | - | 805 | -35 | 0.00625 | 5 |
| DC\_13\_n5 | E-UTRA Band 2, 4, 5, 12, 13, 17, 25, 29, 48, 50, 51, 66, 70, 71, 85 | FDL\_low | - | FDL\_high | -50 | 1 |  |
|  | E-UTRA Band 26 | 859 | - | 869 | -27 | 1 |  |
|  | E-UTRA Band 24, 30, 41, 53 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
|  | E-UTRA Band 14 | FDL\_low | - | FDL\_high | -50 | 1 | 5 |
|  | Frequency range | 769 | - | 775 | -35 | 0.00625 | 5 |
|  | Frequency range | 799 | - | 805 | -35 | 0.00625 | 5 |
| DC\_13\_n7 | E-UTRA Band 2, 4, 5, 7, 12, 13, 17,25，26, 27, 29, 50, 51, 66，74, 85  NR Band n78 | FDL\_low | - | FDL\_high | -50 | 1 |  |
|  | E-UTRA Band 30 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
|  | E-UTRA Band 14 | FDL\_low | - | FDL\_high | -50 | 1 | 5 |
|  | Frequency range | 769 | - | 775 | -35 | 0.00625 | 5 |
|  | Frequency range | 799 | - | 805 | -35 | 0.00625 | 5 |
|  | Frequency range | 2570 | - | 2575 | +1.6 | 5 | 5, 6, 7 |
|  | Frequency range | 2575 | - | 2595 | -15.5 | 5 | 5, 6, 7 |
|  | Frequency range | 2595 | - | 2620 | -40 | 1 | 5, 6 |
| DC\_13\_n48 | E-UTRA Band 2, 4, 5, 12, 13, 17, 25, 26, 27, 29, 41, 50, 51, 66, 70, 71, 74, 85 | FDL\_low | - | FDL\_high | -50 | 1 |  |
|  | E-UTRA Band 14 | FDL\_low | - | FDL\_high | -50 | 1 | 5 |
|  | E-UTRA Band 24, 30 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
|  | Frequency range | 769 | - | 775 | -35 | 0.00625 | 5 |
|  | Frequency range | 799 | - | 805 | -35 | 0.00625 | 5 |
| DC\_13\_n66 | E-UTRA Band 2, 4, 5, 12, 13, 17, 25, 26, 27, 29, 41, 50, 51, 53, 66, 70, 71, 74, 85 | FDL\_low | - | FDL\_high | -50 | 1 |  |
|  | E-UTRA Band 14 | FDL\_low | - | FDL\_high | -50 | 1 | 5 |
|  | E-UTRA Band 30, 48,  NR Band n77 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
|  | Frequency range | 769 | - | 775 | -35 | 0.00625 | 5 |
|  | Frequency range | 799 | - | 803 | -35 | 0.00625 | 5 |
| DC\_13\_n71 | E-UTRA Band 4, 5, 12, 13, 17, 26, 48, 66, 85 | FDL\_low | - | FDL\_high | -50 | 1 |  |
|  | E-UTRA Band 2, 24, 25, 30, 41, 70,  NR Band n77 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
|  | E-UTRA Band 29 | FDL\_low | - | FDL\_high | -38 | 1 | 5 |
|  | E-UTRA Band 14, 71 | FDL\_low | - | FDL\_high | -50 | 1 | 5 |
|  | Frequency range | 769 | - | 775 | -35 | 0.00625 | 5 |
|  | Frequency range | 799 | - | 805 | -35 | 0.00625 | 5 |
| DC\_13\_n78 | E-UTRA Band 2, 5, 7, 12, 13, 25, 26, 41, 66 | FDL\_low | - | FDL\_high | -50 | 1 |  |
|  | Frequency range | 769 | - | 775 | -35 | 0.00625 | 5 |
|  | Frequency range | 799 | - | 805 | -35 | 0.00625 | 5 |
| DC\_14\_n2 | E-UTRA Band 4, 5, 12, 13, 14, 17, 24, 26, 27, 29, 30, 41, 48, 53, 66, 70, 71, 85,  NR Band n77 | FDL\_low | - | FDL\_high | -50 | 1 |  |
| E-UTRA band 2, 25 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
| Frequency range | 769 | - | 775 | -35 | 0.00625 | 5 |
| Frequency range | 799 | - | 805 | -35 | 0.00625 | 5 |
| DC\_14\_n66 | E-UTRA Band 2, 4, 5, 12, 13, 14, 17, 25, 26, 27, 29, 30, 41, 53, 66, 70, 71, 85,  NR Band n77 | FDL\_low | - | FDL\_high | -50 | 1 |  |
| E-UTRA band 48 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
| Frequency range | 769 | - | 775 | -35 | 0.00625 | 5 |
| Frequency range | 799 | - | 805 | -35 | 0.00625 | 5 |
| DC\_18\_n3 | E-UTRA Band 1, 3, 11, 18, 19, 21, 28, 34, 40, 65  NR Band n79 | FDL\_low | - | FDL\_high | -50 | 1 |  |
|  | E-UTRA Band 42  NR Band n77, n78 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
|  | Frequency range | 945 | - | 960 | -50 | 1 |  |
|  | Frequency range | 1884.5 | - | 1915.7 | -41 | 0.3 | 3 |
|  | Frequency range | 2545 | - | 2575 | -50 | 1 |  |
|  | Frequency range | 2595 | - | 2645 | -50 | 1 |  |
| DC\_18\_n77 | E-UTRA Band 1, 3, 11, 21, 28, 34, 40, 65, 74 | FDL\_low | - | FDL\_high | -50 | 1 |  |
|  | Frequency range | 945 | - | 960 | -50 | 1 |  |
|  | Frequency range | 1884.5 | - | 1915.7 | -41 | 0.3 | 3 |
|  | Frequency range | 2545 | - | 2575 | -50 | 1 |  |
|  | Frequency range | 2595 | - | 2645 | -50 | 1 |  |
| DC\_18\_n78 | E-UTRA Band 1, 3, 11, 21, 28, 34, 40, 65, 74 | FDL\_low | - | FDL\_high | -50 | 1 |  |
|  | Frequency range | 945 | - | 960 | -50 | 1 |  |
|  | Frequency range | 1884.5 | - | 1915.7 | -41 | 0.3 | 3 |
|  | Frequency range | 2545 | - | 2575 | -50 | 1 |  |
|  | Frequency range | 2595 | - | 2645 | -50 | 1 |  |
| DC\_18\_n79 | E-UTRA Band 1, 3, 11, 21, 28, 34, 40, 42, 65, 74 | FDL\_low | - | FDL\_high | -50 | 1 |  |
|  | Frequency range | 945 | - | 960 | -50 | 1 |  |
|  | Frequency range | 1884.5 | - | 1915.7 | -41 | 0.3 | 3 |
|  | Frequency range | 2545 | - | 2575 | -50 | 1 |  |
|  | Frequency range | 2595 | - | 2645 | -50 | 1 |  |
| DC\_19\_n77 | E-UTRA Band 1, 3, 11, 21, 28, 34, 40, 65, 74 | FDL\_low | - | FDL\_high | -50 | 1 |  |
|  | Frequency range | 945 | - | 960 | -50 | 1 |  |
|  | Frequency range | 1884.5 | - | 1915.7 | -41 | 0.3 | 3 |
|  | Frequency range | 2545 | - | 2575 | -50 | 1 |  |
|  | Frequency range | 2595 | - | 2645 | -50 | 1 |  |
| DC\_19\_n78 | E-UTRA Band 1, 3, 11, 21, 28, 34, 40, 65, 74 | FDL\_low | - | FDL\_high | -50 | 1 |  |
|  | Frequency range | 945 | - | 960 | -50 | 1 |  |
|  | Frequency range | 1884.5 | - | 1915.7 | -41 | 0.3 | 3 |
|  | Frequency range | 2545 | - | 2575 | -50 | 1 |  |
|  | Frequency range | 2595 | - | 2645 | -50 | 1 |  |
| DC\_19\_n79 | E-UTRA Band 1, 3, 11, 21, 28, 34, 40, 42, 65, 74 | FDL\_low | - | FDL\_high | -50 | 1 |  |
|  | Frequency range | 945 | - | 960 | -50 | 1 |  |
|  | Frequency range | 1884.5 | - | 1915.7 | -41 | 0.3 | 3 |
|  | Frequency range | 2545 | - | 2575 | -50 | 1 |  |
|  | Frequency range | 2595 | - | 2645 | -50 | 1 |  |
| DC\_20\_n1 | E-UTRA Band 1, 3, 7, 8, 20, 22, 31, 32, 34, 40, 43, 50, 51, 65, 67, 68, 72, 75, 76 | FDL\_low | - | FDL\_high | -50 | 1 |  |
|  | E-UTRA Band 38, 42, 69  NR Band n77, n78 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
|  | Frequency range | 758 | - | 788 | -50 | 1 |  |
| DC\_20\_n3 | E-UTRA Band 1, 7, 8, 31, 32, 33, 34, 40, 43, 50, 51, 65, 67, 72, 74, 75, 76 | FDL\_low | - | FDL\_high | -50 | 1 |  |
|  | E-UTRA Band 20  E-UTRA Band 3 | FDL\_low | - | FDL\_high | -50 | 1 | 5 |
|  | E-UTRA Band 22, 38, 42, 52 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
|  | Frequency range | 758 | - | 788 | -50 | 1 |  |
| DC\_20\_n7 | E-UTRA Band 1, 3, 7, 8, 22, 31, 32, 33, 34, 40, 43, 50, 51, 65, 67, 68, 72, 74, 75, 76 | FDL\_low | - | FDL\_high | -50 | 1 |  |
|  | E-UTRA Band 42, 52 NR band n78, n77 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
|  | E-UTRA Band 20 | FDL\_low | - | FDL\_high | -50 | 1 | 5 |
| DC\_20\_n8 | E-UTRA Band 1, 28, 31, 32, 34, 65, 75, 76 | FDL\_low | - | FDL\_high | -50 | 1 |  |
|  | E-UTRA Band 3, 7, 22, 38, 42, 43  NR Band n78 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
| DC\_20\_n38 | E-UTRA Band 1, 3, 8, 22, 31, 32, 33, 34, 40, 43, 50, 51, 65, 67, 68, 72, 74, 75, 76 | FDL\_low | - | FDL\_high | -50 | 1 |  |
|  | E-UTRA Band 42, 52 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
|  | E-UTRA Band 20 | FDL\_low | - | FDL\_high | -50 | 1 | 5 |
| DC\_20\_n41 | E-UTRA Band 1, 2, 4, 24, 25, 30, 31, 32, 33, 34, 39, 43, 48, 50, 51, 65, 66, 70, 72, 73, 74, 75, 76 | FDL\_low | - | FDL\_high | -50 | 1 |  |
|  | E-UTRA Band 3, 8, 12, 13, 14, 17, 42, 44, 45, 52, 67, 68, 71, 85  NR Band n77, n78, n79 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
|  | E-UTRA Band 40 | FDL\_low | - | FDL\_high | -40 | 1 |  |
|  | Frequency range | 758 | - | 788 | -50 | 1 |  |
|  | E-UTRA Band 9, 11, 21 | FDL\_low | - | FDL\_high | -50 | 1 | 19 |
|  | Frequency range | 1884.5 | - | 1915.7 | -41 | 0.3 | 3, 19 |
| DC\_20\_n28  DC\_20\_n83 | E-UTRA Band 3, 7, 8, 31, 34 | FDL\_low | - | FDL\_high | -50 | 1 |  |
|  | E-UTRA Band 1, 22, 32, 38, 42, 43, 65, 75, 76 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
| DC\_20\_n50 | E-UTRA Band 2, 3, 7, 12, 17, 31, 33, 39, 43, 48, 65, 67, 68, 72, 85 | FDL\_low | - | FDL\_high | -50 | 1 |  |
|  | E-UTRA Band 1, 4, 5, 8, 13, 34, 38, 40, 41, 42, 52, 69  NR Band n77, n78 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
|  | Frequency range | 758 | - | 788 | -50 | 1 |  |
| DC\_20\_n51 | E-UTRA Band 1, 3, 4, 8, 17, 22, 28, 29, 31, 40, 43, 48, 65, 66, 68, 72 | FDL\_low | - | FDL\_high | -50 | 1 |  |
|  | E-UTRA Band 20 | FDL\_low | - | FDL\_high | -50 | 1 | 5 |
|  | Frequency range | 758 | - | 788 | -50 | 1 |  |
|  | E-UTRA Band 2, 7, 25, 32, 33, 34, 35, 36, 37, 38, 39, 41, 42, 46, 69, 70  NR Band n77, n78, n79, | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
| DC\_20\_n77 | E-UTRA Band 1, 3, 7, 8, 31, 32, 33, 34, 40, 50, 51, 65, 67, 68, 72, 74, 75, 76 | FDL\_low | - | FDL\_high | -50 | 1 |  |
|  | E-UTRA Band 20 | FDL\_low | - | FDL\_high | -50 | 1 | 5 |
|  | E-UTRA Band 38, 69 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
| DC\_20\_n78,  DC\_20\_n82\_ULSUP-TDM\_n78 | E-UTRA Band 1, 3, 7, 8, 31, 32, 33, 34, 40, 50, 51, 65, 67, 68, 72, 74, 75, 76 | FDL\_low | - | FDL\_high | -50 | 1 |  |
|  | E-UTRA Band 20 | FDL\_low | - | FDL\_high | -50 | 1 | 5 |
|  | E-UTRA Band 38, 69 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
| DC\_20\_n80 | E-UTRA Band 1, 7, 8, 28, 31, 32, 33, 34, 40, 43, 50, 51, 65, 67, 68, 72, 74, 75, 76.  NR Band n79 | FDL\_low | - | FDL\_high | -50 | 1 |  |
|  | E-UTRA Band 3, 20 | FDL\_low | - | FDL\_high | -50 | 1 | 5 |
|  | E-UTRA Band 22, 42,  NR Band n77, n78 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
| DC\_20A\_91A\_ULSUP-TDM,  DC\_20A\_92A\_ULSUP-TDM | E-UTRA Band 1, 3, 7, 8, 22, 31, 32, 33, 34, 40, 43, 50, 51, 65, 67, 68, 72, 74, 75, 76 | FDL\_low | - | FDL\_high | -50 | 1 |  |
|  | E-UTRA Band 20 | FDL\_low | - | FDL\_high | -50 | 1 | 5 |
|  | E-UTRA Band 38, 42, 69,  NR Band n77, n78 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
|  | Frequency range | 758 | - | 788 | -50 | 1 |  |
| DC\_21\_n77 | E-UTRA Band 1, 3, 18, 19, 21, 28, 34, 40, 65 | FDL\_low | - | FDL\_high | -50 | 1 |  |
|  | Frequency range | 945 | - | 960 | -50 | 1 |  |
|  | Frequency range | 1884.5 | - | 1915.7 | -41 | 0.3 | 3 |
|  | Frequency range | 2545 | - | 2575 | -50 | 1 |  |
|  | Frequency range | 2595 | - | 2645 | -50 | 1 |  |
| DC\_21\_n78 | E-UTRA Band 1, 3, 18, 19, 21, 28, 34, 40, 65 | FDL\_low | - | FDL\_high | -50 | 1 |  |
|  | Frequency range | 945 | - | 960 | -50 | 1 |  |
|  | Frequency range | 1884.5 | - | 1915.7 | -41 | 0.3 | 3 |
|  | Frequency range | 2545 | - | 2575 | -50 | 1 |  |
|  | Frequency range | 2595 | - | 2645 | -50 | 1 |  |
| DC\_21\_n79 | E-UTRA Band 1, 3, 18, 19, 21, 28, 34, 40, 42, 65 | FDL\_low | - | FDL\_high | -50 | 1 |  |
|  | Frequency range | 945 | - | 960 | -50 | 1 |  |
|  | Frequency range | 1884.5 | - | 1915.7 | -41 | 0.3 | 3 |
|  | Frequency range | 2545 | - | 2575 | -50 | 1 |  |
|  | Frequency range | 2595 | - | 2645 | -50 | 1 |  |
| DC\_25\_n41 | E-UTRA Band 4, 5, 12, 13 , 14, 17, 24, 26, 27, 28, 29, 30, 42, 45, 48, 66, 70, 71 | FDL\_low | - | FDL\_high | -50 | 1 |  |
|  | E-UTRA Band 2, 25, | FDL\_low | - | FDL\_high | -50 | 1 | 5 |
|  | NR Band n77 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
| DC\_26\_n25 | E-UTRA Band 4, 5, 12, 13, 14, 17, 24, 26, 29, 30, 42, 48, 66, 70, 71, 85 | FDL\_low | - | FDL\_high | -50 | 1 |  |
|  | E-UTRA Band 2, 25 | FDL\_low | - | FDL\_high | -50 | 1 | 5 |
|  | E-UTRA Band 41, 43, 53 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
| DC\_26\_n41 | E-UTRA Band 1, 2, 3, 4, 5, 11, 12, 13 , 14, 17, 18, 19, 21, 24, 25, 26, 29, 30, 31, 34, 39, 42, 43, 48, 50, 51, 65, 66, 70, 71, 74 | FDL\_low | - | FDL\_high | -50 | 1 |  |
|  | Frequency range | 1884.5 |  | 1915.7 | -41 | 0.3 | 3 |
|  | Frequency range | 703 | - | 799 | -50 | 1 |  |
|  | Frequency range | 799 | - | 803 | -40 | 1 | 5 |
|  | Frequency range | 945 | - | 960 | -50 | 1 |  |
| DC\_26\_n77 | E-UTRA Band 1, 3, 5, 11, 18, 19, 21, 26, 34, 39, 40, 65, 74 | FDL\_low | - | FDL\_high | -50 | 1 |  |
|  | E-UTRA Band 41 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
|  | Frequency range | 703 | - | 799 | -50 | 1 |  |
|  | Frequency range | 799 | - | 803 | -40 | 1 | 5 |
|  | Frequency range | 945 | - | 960 | -50 | 1 |  |
|  | Frequency range | 1884.5 | - | 1915.7 | -41 | 0.3 | 3 |
|  | Frequency range | 2545 | - | 2575 | -50 | 1 | 2 |
|  | Frequency range | 2595 | - | 2645 | -50 | 1 |  |
| DC\_26\_n78 | E-UTRA Band 1, 3, 5, 11, 18, 19, 21, 26, 34, 39, 40, 65, 74 | FDL\_low | - | FDL\_high | -50 | 1 |  |
|  | E-UTRA Band 41 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
|  | Frequency range | 703 | - | 799 | -50 | 1 |  |
|  | Frequency range | 799 | - | 803 | -40 | 1 | 5 |
|  | Frequency range | 945 | - | 960 | -50 | 1 |  |
|  | Frequency range | 1884.5 | - | 1915.7 | -41 | 0.3 | 3 |
|  | Frequency range | 2545 | - | 2575 | -50 | 1 | 2 |
|  | Frequency range | 2595 | - | 2645 | -50 | 1 |  |
| DC\_26\_n79 | E-UTRA Band 1, 3, 5, 11, 18, 19, 21, 26, 34, 39, 40, 65, 74 | FDL\_low | - | FDL\_high | -50 | 1 |  |
|  | E-UTRA Band 41 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
|  | Frequency range | 703 | - | 799 | -50 | 1 |  |
|  | Frequency range | 799 | - | 803 | -40 | 1 | 5 |
|  | Frequency range | 945 | - | 960 | -50 | 1 |  |
|  | Frequency range | 1884.5 | - | 1915.7 | -41 | 0.3 | 3 |
|  | Frequency range | 2545 | - | 2575 | -50 | 1 | 2 |
|  | Frequency range | 2595 | - | 2645 | -50 | 1 |  |
| DC\_28\_n3 | E-UTRA Band 1, 22, 42, 43, 50, 51, 65, 74, 75, 76,  NR Band n77, n78 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
|  | E-UTRA Band 1 | FDL\_low | - | FDL\_high | -50 | 1 | 9, 11 |
|  | E-UTRA Band 3, 5, 7, 8, 18, 19, 20, 26, 27, 31, 34, 38, 40, 41, 72, 73  NR Band n79 | FDL\_low | - | FDL\_high | -50 | 1 |  |
|  | E-UTRA Band 11, 21 | FDL\_low | - | FDL\_high | -50 | 1 | 9, 10 |
|  | Frequency range | 470 | - | 710 | -26.2 | 6 | 14 |
|  | Frequency range | 758 | - | 773 | -32 | 1 | 5 |
|  | Frequency range | 773 | - | 803 | -50 | 1 |  |
|  | Frequency range | 1884.5 | - | 1915.7 | -41 | 0.3 | 3, 9 |
| DC\_28\_n5 | E-UTRA Band 2, 3, 5, 7, 8, 14, 18, 19, 24, 25, 26, 28, 30, 31, 34, 38, 40, 70, 71 | FDL\_low | - | FDL\_high | -50 |  |  |
|  | E-UTRA Band 4, 22, 32, 41, 42, 43, 45, 48, 50, 51, 52, 65, 66, 73, 74, 75, 76 NR Band n77, n78, n79 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
|  | E-UTRA Band 1 | FDL\_low | - | FDL\_high | -50 | 1 | 9, 11 |
|  | E-UTRA Band 11, 21 | FDL\_low | - | FDL\_high | -50 | 1 | 9, 10 |
|  | Frequency range | 1884.5 | - | 1915.7 | -41 | 0.3 | 3, 9 |
|  | Frequency range | 470 | - | 694 | -42 | 8 | 5, 17 |
|  | Frequency range | 470 | - | 710 | -26.2 | 6 | 14 |
|  | Frequency range | 662 | - | 694 | -26.2 | 6 | 5 |
|  | Frequency range | 758 | - | 773 | -32 | 1 | 5 |
|  | Frequency range | 773 | - | 803 | -50 | 1 |  |
|  | Frequency range | 773 | - | 803 | -50 | 1 |  |
| DC\_28\_n7 | E-UTRA Band 2, 3, 5, 8, 20, 26, 27, 31, 34, 40, 72 NR band n7 | FDL\_low | - | FDL\_high | -50 | 1 |  |
|  | E-UTRA Band 4, 22, 32, 42, 43, 50, 51, 52, 65, 66, 74, 75, 76  NR band n77, n78 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
|  | E-UTRA band 1 | FDL\_low | - | FDL\_high | -50 | 1 | 9, 10 |
|  | Frequency range | 758 | - | 773 | -32 | 1 | 5 |
|  | Frequency range | 773 | - | 803 | -50 | 1 |  |
|  | Frequency range | 2570 | - | 2575 | +1.6 | 5 | 5, 6, 7 |
|  | Frequency range | 2575 | - | 2595 | -15.5 | 5 | 5, 6, 7 |
|  | Frequency range | 2595 | - | 2620 | -40 | 1 | 5, 6 |
| DC\_28\_n8 | E-UTRA Band 20, 31, 34, 38, 40, 72 | FDL\_low | - | FDL\_high | -50 | 1 |  |
|  | E-UTRA band 3, 7, 22, 41, 42, 43, 50, 51, 52, 65, 73, 74, 75, 76  NR Band n77, n78, n79 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
|  | E-UTRA Band 8 | FDL\_low | - | FDL\_high | -50 | 1 | 5 |
|  | E-UTRA Band 11, 21 | FDL\_low | - | FDL\_high | -50 | 1 | 9, 10 |
|  | E-UTRA Band 1 | FDL\_low | - | FDL\_high | -50 | 1 | 9, 11 |
|  | Frequency range | 470 | - | 694 | -42 | 8 | 5, 17 |
|  | Frequency range | 470 | - | 710 | -26.2 | 6 | 14 |
|  | Frequency range | 662 | - | 694 | -26.2 | 6 | 5 |
|  | Frequency range | 758 | - | 773 | -32 | 1 | 5 |
|  | Frequency range | 773 | - | 803 | -50 | 1 |  |
|  | Frequency range | 1884.5 | - | 1915.7 | -41 | 0.3 | 3, 9 |
| DC\_28\_n40 | E-UTRA Band 3, 5, 7, 8, 18, 19, 20, 26, 27, 28, 31, 34, 38, 41, 72 | FDL\_low | - | FDL\_high | -50 | 1 |  |
|  | E-UTRA band 1, 11, 21, 22, 32, 42, 43, 50, 51, 52, 65, 73, 74, 75, 76  NR Band, n77, n78, n79 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
|  | Frequency range | 1884.5 | - | 1915.7 | -41 | 0.3 | 3 |
| DC\_28\_n41 | E-UTRA Band 4, 14, 18, 19, 20, 26, 27, 39, 42, 43, 48, 50, 51, 52, 65, 66, 71, 73  NR Band n77, n78, n79 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
|  | E-UTRA Band 1 | FDL\_low | - | FDL\_high | -50 | 1 | 9, 11 |
|  | E-UTRA Band 2, 3, 5, 8, 24, 25, 30, 31, 34, 70, 72 | FDL\_low | - | FDL\_high | -50 | 1 |  |
|  | E-UTRA Band 11, 21, 74, 75, 76 | FDL\_low | - | FDL\_high | -50 | 1 | 9, 10 |
|  | E-UTRA Band 40 | FDL\_low | - | FDL\_high | -40 | 1 |  |
|  | Frequency range | 470 | - | 694 | -42 | 8 | 5, 17 |
|  | Frequency range | 470 | - | 710 | -26.2 | 6 | 14 |
|  | Frequency range | 662 | - | 694 | -26.2 | 6 | 5 |
|  | Frequency range | 758 | - | 773 | -32 | 1 | 5 |
|  | Frequency range | 773 | - | 803 | -50 | 1 |  |
|  | Frequency range | 1884.5 | - | 1915.7 | -41 | 0.3 | 3, 9 |
| DC\_28\_n50 | E-UTRA Band 4, 40, 42, 43, 48, 65, 66, 73  NR Band n77, n78, n79 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
|  | E-UTRA Band 1 | FDL\_low | - | FDL\_high | -50 | 1 | 9, 10 |
|  | E-UTRA Band 2, 3, 5, 7, 8, 18, 19, 25, 26, 27, 31, 34, 38, 39, 41, 72 | FDL\_low | - | FDL\_high | -50 | 1 |  |
|  | Frequency range | 470 | - | 694 | -42 | 8 | 5, 17 |
|  | Frequency range | 470 | - | 710 | -26.2 | 6 | 14 |
|  | Frequency range | 662 | - | 694 | -26.2 | 6 | 5 |
|  | Frequency range | 758 | - | 773 | -32 | 1 | 5 |
|  | Frequency range | 773 | - | 803 | -50 | 1 |  |
| DC\_28\_n51 | E-UTRA Band 2, 3, 5, 7, 8, 25, 26, 31, 34, 38, 40, 41, 72 | FDL\_low | - | FDL\_high | -50 | 1 |  |
|  | E-UTRA Band 4, 20, 22, 24, 32, 42, 43, 45, 46, 65, 66, 71, 73  NR band n78, n79 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
|  | E-UTRA Band 1 | FDL\_low | - | FDL\_high | -50 | 1 | 2, 9, 10 |
|  | Frequency range | 470 | - | 694 | -42 | 8 | 5, 17 |
|  | Frequency range | 470 | - | 710 | -26.2 | 6 | 14 |
|  | Frequency range | 662 | - | 694 | -26.2 | 6 | 5 |
|  | Frequency range | 758 | - | 773 | -32 | 1 | 5 |
|  | Frequency range | 773 | - | 803 | -50 | 1 |  |
| DC\_28\_n77 | E-UTRA Band 3, 5, 7, 8, 18, 19, 20, 26, 34, 39, 40, 41 | FDL\_low | - | FDL\_high | -50 | 1 |  |
|  | E-UTRA Band 1, 65, 74 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
|  | E-UTRA Band 1 | FDL\_low | - | FDL\_high | -50 | 1 | 9, 11 |
|  | E-UTRA Band 11, 21 | FDL\_low | - | FDL\_high | -50 | 1 | 9, 10 |
|  | Frequency range | 758 | - | 773 | -32 | 1 |  |
|  | Frequency range | 773 | - | 803 | -50 | 1 |  |
|  | Frequency range | 1884.5 | - | 1915.7 | -41 | 0.3 | 3, 9 |
| DC\_28\_n78  DC\_28\_n83\_ULSUP-TDM\_n78 | E-UTRA Band 3, 5, 7, 8, 18, 19, 20, 26, 34, 39, 40, 41 | FDL\_low | - | FDL\_high | -50 | 1 |  |
|  | E-UTRA Band 1, 65, 74 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
|  | E-UTRA Band 1 | FDL\_low | - | FDL\_high | -50 | 1 | 9, 11 |
|  | E-UTRA Band 11, 21 | FDL\_low | - | FDL\_high | -50 | 1 | 9, 10 |
|  | Frequency range | 758 | - | 773 | -32 | 1 |  |
|  | Frequency range | 773 | - | 803 | -50 | 1 |  |
|  | Frequency range | 1884.5 | - | 1915.7 | -41 | 0.3 | 3, 9 |
| DC\_28\_n79 | E-UTRA Band 3, 5, 8, 18, 19, 34, 39, 40, 41 | FDL\_low | - | FDL\_high | -50 | 1 |  |
|  | E-UTRA Band 1, 42, 65, 74 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
|  | E-UTRA Band 1 | FDL\_low | - | FDL\_high | -50 | 1 | 9, 11 |
|  | E-UTRA Band 11, 21 | FDL\_low | - | FDL\_high | -50 | 1 | 9, 10 |
|  | Frequency range | 758 | - | 773 | -32 | 1 |  |
|  | Frequency range | 773 | - | 803 | -50 | 1 |  |
|  | Frequency range | 1884.5 | - | 1915.7 | -41 | 0.3 | 3, 9 |
| DC\_30\_n2 | E-UTRA Band 4, 5, 12, 13, 14, 17, 24, 26, 27, 28, 29, 30, 41, 42, 48, 50, 51, 53, 66, 70, 71, 74, 85 | FDL\_low | - | FDL\_high | -50 | 1 |  |
|  | E-UTRA Band 25 | FDL\_low | - | FDL\_high | -50 | 1 | 5 |
|  | E-UTRA Band 2 | FDL\_low | - | FDL\_high | -50 | 1 | 5 |
|  | E-UTRA Band 43,  NR Band n77 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
| DC\_30\_n5 | E-UTRA Band 2, 4, 5, 7, 12, 13, 14, 17, 24, 25, 26, 29, 30, 38, 48, 66, 70, 71, 85 | FDL\_low | - | FDL\_high | -50 | 1 |  |
|  | E-UTRA Band 41, 53  NR Band n77 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
| DC\_30\_n66 | E-UTRA Band 2, 4, 5, 12, 13, 14, 17, 24, 25, 26, 27, 29, 30, 38, 41, 66, 70, 71 | FDL\_low | - | FDL\_high | -50 | 1 |  |
|  | E-UTRA Band 48,  NR Band n77 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
| DC\_38\_n78 | N/A | | | | | | |
| DC\_39\_n40 | E-UTRA Band 1, 8, 22, 26, 28, 34, 41, 42, 44, 45, 50, 51, 52, 73, 74 | FDL\_low | - | FDL\_high | -50 | 1 |  |
|  | NR Band n77, n78, n79 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
|  | Frequency range | 1805 |  | 1855 | -40 | 1 | 18 |
|  | Frequency range | 1855 |  | 1880 | -15.5 | 5 | 5, 7, 18 |
| DC\_39\_n41 | E-UTRA Band 1, 8, 26, 28, 34, 42, 44, 45, 50, 51, 74 | FDL\_low | - | FDL\_high | -50 | 1 |  |
|  | NR Band n77, n78, n79 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
|  | E-UTRA Band 40 | FDL\_low | - | FDL\_high | -40 | 1 |  |
|  | Frequency range | 1805 | - | 1855 | -40 | 1 | 5 |
|  | Frequency range | 1855 | - | 1880 | -15.5 | 5 | 5, 7, 19 |
| DC\_39\_n78 | E-UTRA Band 1, 8, 28, 34, 40, 41, 44, 45 | FDL\_low | - | FDL\_high | -50 | 1 |  |
|  | Frequency range | 1805 | - | 1855 | -40 | 1 | 18 |
|  | Frequency range | 1855 | - | 1880 | -15.5 | 5 | 18 |
| DC\_39\_n79 | E-UTRA Band 1, 8, 28, 34, 40, 41, 44, 45 | FDL\_low | - | FDL\_high | -50 | 1 |  |
|  | Frequency range | 1805 | - | 1855 | -40 | 1 | 18 |
|  | Frequency range | 1855 | - | 1880 | -15.5 | 5 | 18 |
| DC\_40\_n1 | E-UTRA Band 1, 3, 5, 7, 8, 11, 18, 19, 20, 21, 22, 26, 27, 28, 31, 32, 38, 41, 42, 43, 44, 45, 50, 51, 52, 65, 67, 68, 69, 72, 73, 74, 75, 76  NR Band n78 | FDL\_low | - | FDL\_high | -50 | 1 |  |
|  | E-UTRA Band 34 | FDL\_low | - | FDL\_high | -50 | 1 | 5 |
|  | NR Band n77, n79 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
|  | Frequency range | 1884.5 | - | 1915.7 | -41 | 0.3 | 3 |
| DC\_40\_n41 | Bands 1, 3, 5, 8, 11, 18, 19, 21, 26, 27, 28, 34, 39, 42, 44, 45, 50, 51, 65, 73, 74, NR Band n77, n78 | FDL\_low | - | FDL\_high | -50 | 1 |  |
|  | NR Band n79 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
|  | Frequency range | 1884.5 | - | 1915.7 | -41 | 0.3 | 3 |
| DC\_40\_n77 | N/A | | | | | | |
| DC\_40\_n78 | E-UTRA Band 1, 3, 5, 7, 8, 11, 18, 19, 20, 21, 26, 27, 28, 31, 32, 33, 34, 38, 39, 41, 44, 45, 50, 51, 65, 67, 68, 69, 72, 73, 74, 75, 76 | FDL\_low | - | FDL\_high | -50 | 1 |  |
|  | NR Band n79 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
|  | Frequency range | 1884.5 | - | 1915.7 | -41 | 0.3 | 3 |
| DC\_40\_n79 | Bands 1, 3, 5, 8, 11, 18, 19, 21, 26, 28, 34, 39, 41, 42, 65, 74  NR band n78 | FDL\_low | - | FDL\_high | -50 | 1 |  |
|  | Frequency range | 1884.5 | - | 1915.7 | -41 | 0.3 | 3 |
| DC\_41\_n3 | E-UTRA Band 1, 5, 8, 26, 27, 28, 34, 39, 44, 45, 50, 51, 65, 73, 74 | FDL\_low | - | FDL\_high | -50 | 1 |  |
|  | E-UTRA Band 3 | FDL\_low | - | FDL\_high | -50 | 1 | 5 |
|  | E-UTRA Band 42, 52  NR Band n77, n78, n79 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
|  | E-UTRA Band 40 | FDL\_low | - | FDL\_high | -40 | 1 |  |
|  | Frequency range | 1884.5 | - | 1915.7 | -41 | 0.3 | 3 |
| DC\_41\_n28 | E-UTRA Band 4, 14, 18, 19, 20, 26, 27, 39, 42, 43, 48, 50, 51, 52, 65, 66, 71, 73  NR Band n77, n78, n79 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
|  | E-UTRA Band 1 | FDL\_low | - | FDL\_high | -50 | 1 | 9, 11 |
|  | E-UTRA Band 2, 3, 5, 8, 24, 25, 30, 31, 34, 70, 72 | FDL\_low | - | FDL\_high | -50 | 1 |  |
|  | E-UTRA Band 11, 21, 74, 75, 76 | FDL\_low | - | FDL\_high | -50 | 1 | 9, 10 |
|  | E-UTRA Band 40 | FDL\_low | - | FDL\_high | -40 | 1 |  |
|  | Frequency range | 470 | - | 694 | -42 | 8 | 5, 17 |
|  | Frequency range | 470 | - | 710 | -26.2 | 6 | 14 |
|  | Frequency range | 662 | - | 694 | -26.2 | 6 | 5 |
|  | Frequency range | 758 | - | 773 | -32 | 1 | 5 |
|  | Frequency range | 773 | - | 803 | -50 | 1 |  |
|  | Frequency range | 1884.5 | - | 1915.7 | -41 | 0.3 | 3, 9 |
| DC\_41\_n77 | E-UTRA Band 1, 3, 5, 8, 11, 18, 19, 21, 26, 28, 33, 34, 39, 44, 45, 73, 74 | FDL\_low | - | FDL\_high | -50 | 1 |  |
| E-UTRA Band 40 | FDL\_low | - | FDL\_high | -40 | 1 |  |
|  | Frequency range | 1884.5 |  | 1915.7 | -41 | 0.3 | 3 |
| DC\_41\_n78 | E-UTRA Band 1, 3, 5, 8, 11, 18, 19, 21, 26, 28, 34, 39, 44, 45, 74 | FDL\_low | - | FDL\_high | -50 | 1 |  |
| E-UTRA Band 40 | FDL\_low | - | FDL\_high | -40 | 1 |  |
|  | Frequency range | 1884.5 | - | 1915.7 | -41 | 0.3 | 3 |
| DC\_41\_n79 | E-UTRA Band 1, 3, 5, 8, 11, 18, 19, 21, 26, 28, 34, 42, 44, 45, 65, 74 | FDL\_low | - | FDL\_high | -50 | 1 |  |
| E-UTRA Band 40 | FDL\_low | - | FDL\_high | -40 | 1 |  |
|  | Frequency range | 1884.5 | - | 1915.7 | -41 | 0.3 | 3 |
| DC\_42\_n51 | E-UTRA Band 3, 8, 20, 25, 30, 31, 34, 39, 41, 73 | FDL\_low | - | FDL\_high | -50 | 1 |  |
|  | E-UTRA Band 1, 2, 4, 5, 6, 7, 12, 13, 14, 17, 23, 24, 26, 27, 28, 29, 32, 38, 40, 44, 46, 65, 66, 67, 68, 70, 71 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
| DC\_42\_n77 | N/A | | | | | | |
| DC\_42\_n78 | N/A | | | | | | |
| DC\_42\_n79 | N/A | | | | | | |
| DC\_48\_n5 | E-UTRA Band 2, 4, 5, 12, 13, 14, 17, 24, 25, 26, 29, 30, 50, 51, 66, 70, 71, 74, 85 | FDL\_low | - | FDL\_high | -50 | 1 |  |
|  | E-UTRA Band 41 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
|  | Frequency range | 1884.5 | - | 1915.7 | -41 | 0.3 | 3 |
| DC\_48\_n12 | E-UTRA Band 2, 5, 13, 14, 17, 24, 25, 26, 30, 41, 71, 74 | FDL\_low | - | FDL\_high | -50 | 1 |  |
|  | E-UTRA Band 4, 50, 51, 66, 70 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
|  | E-UTRA Band 12, 85 | FDL\_low | - | FDL\_high | -50 | 1 | 5 |
| DC\_48\_n66 | E-UTRA Band 2, 4, 5, 12, 13, 14, 17, 24, 25, 26, 29, 30, 41, 50, 51, 66, 70, 71, 74, 85 | FDL\_low | - | FDL\_high | -50 | 1 |  |
| DC\_48\_n71 | E-UTRA Band 4, 5, 12, 13, 14, 17, 24, 26, 30, 50, 51, 53, 66, 74, 85 | FDL\_low | - | FDL\_high | -50 | 1 |  |
|  | E-UTRA Band 2, 25, 41, 70 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
|  | E-UTRA Band 29 | FDL\_low | - | FDL\_high | -38 | 1 | 5 |
|  | E-UTRA Band 71 | FDL\_low | - | FDL\_high | -50 | 1 | 5 |
| DC\_66\_n2 | E-UTRA Band 4, 5, 12, 13, 14, 17, 24, 26, 27, 28, 29, 30, 41, 50, 51, 53, 66, 70, 71, 74, 85 | FDL\_low | - | FDL\_high | -50 | 1 |  |
|  | E-UTRA Band 25 | FDL\_low | - | FDL\_high | -50 | 1 | 5 |
|  | E-UTRA Band 2 | FDL\_low | - | FDL\_high | -50 | 1 | 5 |
|  | E-UTRA Band 22, 42, 43,  NR Band n77 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
| DC\_66\_n5 | E-UTRA Band 1, 2, 3, 4, 5, 6, 7, 8, 12, 13, 14, 17, 24, 25, 26, 28, 29, 30, 34, 38, 40, 43, 45, 50, 51, 65, 66, 70, 71, 85 | FDL\_low | - | FDL\_high | -50 | 1 |  |
|  | E-UTRA Band 41, 42, 48, 52,  NR Band n77 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
| DC\_66\_n7 | E-UTRA Band 2, 4, 5, 7, 12, 13, 14, 17, 26, 27, 28, 29, 30, 43, 50, 51, 66, 74, 85 | FDL\_low | - | FDL\_high | -50 | 1 |  |
|  | E-UTRA Band 42 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
|  | Frequency range | 2570 | - | 2575 | +1.6 | 5 | 5, 6, 7 |
|  | Frequency range | 2575 | - | 2595 | -15.5 | 5 | 5, 6, 7 |
|  | Frequency range | 2595 | - | 2620 | -40 | 1 | 5, 6 |
| DC\_66\_n12 | E-UTRA Band 2, 5, 13, 14, 17, 24, 25, 26, 27, 30, 41, 50, 53, 70, 71, 74 | FDL\_low | - | FDL\_high | -50 | 1 |  |
|  | E-UTRA Band 4, 51, 66, 48,  NR Band n77 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
|  | E-UTRA Band 12, 85 | FDL\_low | - | FDL\_high | -50 | 1 | 5 |
| DC\_66\_n25 | E-UTRA Band 4, 5, 7, 12, 13, 14, 17, 24, 26, 27, 28, 29, 30, 38, 41, 50, 51, 53, 66, 70, 71, 74, 85 | FDL\_low | - | FDL\_high | -50 | 1 |  |
|  | E-UTRA Band 42, 48,  NR Band n77 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
|  | E-UTRA Band 2 | FDL\_low | - | FDL\_high | -50 | 1 | 5 |
|  | E-UTRA Band 25 | FDL\_low | - | FDL\_high | -50 | 1 | 5 |
|  | E-UTRA Band 43 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
| DC\_66\_n41 | E-UTRA Band 2, 4, 5, 12, 13, 14, 17, 24, 25, 26, 27, 28, 29, 30, 43, 50, 51, 66, 70, 71, 74, 85 | FDL\_low | - | FDL\_high | -50 | 1 |  |
|  | E-UTRA Band 42, 48,  NR Band n77 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
| DC\_66\_n38 | EUTRA 2, 4, 5, 12, 13,14,17, 25, 27, 28, 29, 30, 43, 50, 51, 66, 74, 85 | FDL\_low | - | FDL\_high | -50 | 1 |  |
|  | E-UTRA Band 42 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
|  | Frequency range | 2620 | - | 2645 | -15.5 | 5 | 5, 7, 22 |
|  | Frequency range | 2645 | - | 2690 | -40 | 1 | 5, 22 |
| DC\_66\_n48 | E-UTRA Band 2, 4, 5, 12, 13, 14, 17, 24, 25, 26, 29, 30, 41, 50, 51, 66, 70, 71, 74, 85 | FDL\_low | - | FDL\_high | -50 | 1 |  |
| DC\_66\_n71 | E-UTRA Band 4, 5, 13, 14, 17, 24, 26, 27, 29, 30, 43,50, 51, 66, 74 | FDL\_low | - | FDL\_high | -50 | 1 |  |
|  | E-UTRA Band 2, 7, 22, 25, 41, 42, 48, 70,  NR Band n77 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
|  | E-UTRA Band 71 | FDL\_low | - | FDL\_high | -50 | 1 | 5 |
| DC\_66\_n78,  DC\_66\_n86\_ULSUP-TDM\_n78 | E-UTRA Band 1, 3, 5, 7, 8, 20, 26, 28, 34, 39, 40, 41, 65 | FDL\_low | - | FDL\_high | -50 | 1 |  |
| DC\_71\_n5 | E-UTRA Band 4, 12, 13, 14, 17, 24, 26, 30, 48, 66, 85  NR Band n5 | FDL\_low | - | FDL\_high | -50 | 1 |  |
|  | E-UTRA Band 2, 25, 41, 70,  NR Band n77 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
|  | E-UTRA Band 29 | FDL\_low | - | FDL\_high | -38 | 1 | 5 |
|  | E-UTRA Band 71 | FDL\_low | - | FDL\_high | -50 | 1 | 5 |
| DC\_71\_n38 | E-UTRA Band 4, 5, 12, 13, 14, 17, 30, 66, 85 | FDL\_low | - | FDL\_high | -50 | 1 |  |
|  | E-UTRA Band 2 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
|  | E-UTRA band 29 | FDL\_low | - | FDL\_high | -50 | 1 | 5 |
| DC\_71\_n48 | E-UTRA Band 4, 5, 12, 13, 14, 17, 24, 26, 29, 30, 50, 51, 66, 71, 74, 85 | FDL\_low | - | FDL\_high | -50 | 1 |  |
|  | E-UTRA Band 2, 25, 41, 70 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
| DC\_71\_n66 | E-UTRA Band 4, 5, 13, 14, 17, 24, 26, 27, 29, 30, 43, 50, 51, 66, 74 | FDL\_low | - | FDL\_high | -50 | 1 |  |
|  | E-UTRA Band 2, 7, 22, 25, 41, 42, 48, 70,  NR Band n77 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
|  | E-UTRA Band 71 | FDL\_low | - | FDL\_high | -50 | 1 | 5 |
| DC\_71\_n78 | E-UTRA Band 5, 26 | FDL\_low | - | FDL\_high | -50 | 1 |  |
|  | E-UTRA Band 41 | FDL\_low | - | FDL\_high | -50 | 1 | 2 |
| NOTE 1: FDL\_low and FDL\_high refer to each frequency band specified in Table 5.5-1 in TS 36.101 [4] or in Table 5.2-1 in 3GPP TS 38.101-1 [2].  NOTE 2: As exceptions, measurements with a level up to the applicable requirements defined in Table 6.6.3.1-2 in 3GPP TS 36.101 [4] and Table 6.5.3.1-2 in 3GPP TS 38.101-1 [2] are permitted for each assigned carrier used in the measurement due to 2nd, 3rd, 4th or 5th harmonic spurious emissions. Due to spreading of the harmonic emission the exception is also allowed for the first 1 MHz frequency range immediately outside the harmonic emission on both sides of the harmonic emission. This results in an overall exception interval centred at the harmonic emission of (2 MHz + N x LCRB x 180 kHz), where N is 2, 3, 4, 5 for the 2nd, 3rd, 4th or 5th harmonic respectively. The exception is allowed if the measurement bandwidth (MBW) totally or partially overlaps the overall exception interval.  NOTE 3: Applicable when co-existence with PHS system operating in 1884.5 - 1915.7 MHz  NOTE 4: Void  NOTE 5: These requirements also apply for the frequency ranges that are less than FOOB (MHz) in Table 6.6.3.1-1, Table 6.6.3.1A-1 in 3GPP TS 36.101 [4] or in Table 6.5.3.1-1 in 3GPP TS 38.101-1 [2] from the edge of the channel bandwidth.  NOTE 6: This requirement is applicable for any channel bandwidths within the range 2500 - 2570 MHz with the following restriction: for carriers of 15 MHz bandwidth when carrier centre frequency is within the range 2560.5 - 2562.5 MHz and for carriers of 20 MHz bandwidth when carrier centre frequency is within the range 2552 - 2560 MHz the requirement is applicable only for an uplink transmission bandwidth less than or equal to 54 RB.  NOTE 7: For these adjacent bands, the emission limit could imply risk of harmful interference to UE(s) operating in the protected operating band.  NOTE 8: This requirement is applicable for any channel bandwidths within the range 1920 - 1980 MHz with the following restriction: for carriers of 15 MHz bandwidth when carrier centre frequency is within the range 1927.5 - 1929.5 MHz and for carriers of 20 MHz bandwidth when carrier centre frequency is within the range 1930 - 1938 MHz the requirement is applicable only for an uplink  NOTE 9: Applicable when the assigned E-UTRA or NR carrier is confined within 718 MHz and 748 MHz and when the channel bandwidth used is 5 or 10 MHz.  NOTE 10: As exceptions, measurements with a level up to the applicable requirement of -38 dBm/MHz is permitted for each assigned E-UTRA carrier used in the measurement due to 2nd harmonic spurious emissions. An exception is allowed if there is at least one individual RB within the transmission bandwidth (see Figure 5.6-1) for which the 2nd harmonic totally or partially overlaps the measurement bandwidth (MBW).  NOTE 11: As exceptions, measurements with a level up to the applicable requirement of -36 dBm/MHz is permitted for each assigned E-UTRA carrier used in the measurement due to 3rd harmonic spurious emissions. An exception is allowed if there is at least one individual RB within the transmission bandwidth (see Figure 5.6-1) for which the 3rd harmonic totally or partially overlaps the measurement bandwidth (MBW).  NOTE 12: This requirement is applicable only for the following cases: A: for carriers of 5 MHz channel bandwidth when carrier centre frequency (Fc) is within the range 902.5 MHz ≤ Fc < 907.5 MHz with an uplink transmission bandwidth less than or equal to 20 RB; B: for carriers of 5 MHz channel bandwidth when carrier centre frequency (Fc) is within the range 907.5 MHz ≤ Fc ≤ 912.5 MHz without any restriction on uplink transmission bandwidth; C: for carriers of 10 MHz channel bandwidth when carrier centre frequency (Fc) is Fc = 910 MHz with an uplink transmission bandwidth less than or equal to 32 RB with RBstart > 3.  NOTE 13: Void  NOTE 14: This requirement is applicable for 5 and 10 MHz E-UTRA or NR channel bandwidth allocated within 718-728MHz. For carriers of 10 MHz bandwidth, this requirement applies for an uplink transmission bandwidth less than or equal to 30 RB with RBstart > 1 and RBstart < 48.  NOTE 15: Void  NOTE 16: This requirement is applicable for any channel bandwidths within the range 1920 - 1980 MHz with the following restriction: for carriers of 15 MHz bandwidth when carrier centre frequency is within the range 1927.5 - 1929.5 MHz and for carriers of 20 MHz bandwidth when carrier centre frequency is within the range 1930 - 1938 MHz the requirement is applicable only for an uplink transmission bandwidth less than or equal to 54 RB.  NOTE 17: This requirement is applicable in the case of a 10 MHz E-UTRA or NR carrier confined within 703 MHz and 733 MHz, otherwise the requirement of -25 dBm with a measurement bandwidth of 8 MHz applies.  NOTE 18: This requirement is only applicable for E-UTRA carriers with bandwidth confined within 1885 - 1920 MHz (requirement for carriers with at least 1RB confined within 1880 - 1885 MHz is not specified). This requirement applies for an uplink transmission bandwidth less than or equal to 54 RB for E-UTRA carriers of 15 MHz bandwidth when carrier center frequency is within the range 1892.5 - 1894.5 MHz and for E-UTRA carriers of 20 MHz bandwidth when carrier center frequency is within the range 1895 - 1903 MHz.  NOTE 19: Void  NOTE 20: Void.  NOTE 21: Void  NOTE 22: This requirement is applicable for power class 3 UE for any channel bandwidths within the range 2570 - 2615 MHz with the following restriction: for carriers of 15 MHz bandwidth when carrier centre frequency is within the range 2605.5 - 2607.5 MHz and for carriers of 20 MHz bandwidth when carrier centre frequency is within the range 2597 - 2605 MHz the requirement is applicable only for an uplink transmission bandwidth less than or equal to 54 RB. | | | | | | | |

NOTE: To simplify the above Table, E-UTRA band numbers are listed for bands which are specified only for E-UTRA operation or both E-UTRA and NR operation. NR band numbers are listed for bands which are specified only for NR operation.

***-------------------------------<End of change5>-----------------------------***

***----------------------------------<Start of change6>----------------------------------***

##### 7.3B.2.3.4 Reference sensitivity exceptions due to cross band isolation for EN-DC in NR FR1

Sensitivity degradation is allowed for a band if it is impacted by UL of another band part of the same EN-DC configuration due to cross band isolation issues. Reference sensitivity exceptions for the victim band are specified in Table 7.3B.2.3.4-1 and Table 7.3B.2.3.4-1a with uplink configuration of the agressor band specified in Table 7.3B.2.3.4-2.

Table 7.3B.2.3.4-1: Reference sensitivity exceptions (MSD) due to cross band isolation for PC3 EN-DC in NR FR1

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| E-UTRA or NR Band / Channel bandwidth of the affected DL band / MSD | | | | | | | | | | | | | | |
| UL band | DL band | 5 MHz  (dB) | 10 MHz  (dB) | 15 MHz  (dB) | 20 MHz  (dB) | 25 MHz  (dB) | 30 MHz  (dB) | 40 MHz  (dB) | 50 MHz  (dB) | 60 MHz  (dB) | 70 MHz  (dB) | 80 MHz  (dB) | 90 MHz  (dB) | 100 MHz  (dB) |
| n13 | 3 | [3] | 2.3 | 2 | 1.8 |  |  |  |  |  |  |  |  |  |
| n1 | 40 | 6.6 | 6.6 | 6.6 | 6.6 |  |  |  |  |  |  |  |  |  |
| 13 | n3 | 3 | 2.2 | 1.9 | 1.7 | 1.6 | 1.5 | [1.4] |  |  |  |  |  |  |
| 1 | n40 | 6.6 | 6.6 | 6.6 | 6.6 | 6.6 | 6.6 | 6.6 | 6.6 | 6.6 |  | 6.6 |  |  |
| 1 | n41 |  | 6.1 | 6.1 | 6.1 |  | [6.1] | 6.1 | 6.1 | 6.1 |  | 6.1 | 6.1 | 6.1 |
| n3 | 11 | 6.4 | 6.1 |  |  |  |  |  |  |  |  |  |  |  |
| 3 | n41 |  | 0.7 | 0.7 | 0.7 |  | [0.7] | 0.7 | 0.7 | 0.7 |  | 0.7 | 0.7 | 0.7 |
| 3 | n51 | 6.4 |  |  |  |  |  |  |  |  |  |  |  |  |
| 30 | n66 | 8.3 | 8.3 | 8.3 | 8.3 | [8.3] | [8.3] | 8.3 |  |  |  |  |  |  |
| n3 | 41 | 0.7 | 0.7 | 0.7 | 0.7 |  |  |  |  |  |  |  |  |  |
| n5 | 28 | 4.5 | 3 | 2.2 | 0.3 |  |  |  |  |  |  |  |  |  |
| 7 | n40 | 3.7 | 3.4 | 3.2 | 3.1 | [3.1] | [3.1] | 3.1 | 3.1 | 3.1 |  | 3.1 |  |  |
| n34 | 3 | 3 | 2.2 | 1.9 | 1.7 |  |  |  |  |  |  |  |  |  |
| n38 | 1 | 1.9 | 1.9 | 1.9 | 1.9 |  |  |  |  |  |  |  |  |  |
| n38 | 2 | 0.6 | 0.6 | 0.6 | 0.6 |  |  |  |  |  |  |  |  |  |
| n38 | 4 | 1.9 | 1.9 | 1.9 | 1.9 |  |  |  |  |  |  |  |  |  |
| n38 | 66 | 1.9 | 1.9 | 1.9 | 1.9 |  |  |  |  |  |  |  |  |  |
| n40 | 1 | 8.3 | 8.3 | 8.3 | 8.3 |  |  |  |  |  |  |  |  |  |
| n41 | 4 | 3.5 | 3.5 | 3.5 | 3.5 |  |  |  |  |  |  |  |  |  |
| 40 | n1 | 8.3 | 8.3 | 8.3 | 8.3 | [8.3] | [8.3] | [8.3] | [8.3] |  |  |  |  |  |
| n40 | 7 | 3.7 | 3.7 | 3.7 | 3.7 |  |  |  |  |  |  |  |  |  |
| n41 | 1 | 9.1 | 9.1 | 9.1 | 9.1 |  |  |  |  |  |  |  |  |  |
| n41 | 2 | 0.6 | 0.6 | 0.6 | 0.6 |  |  |  |  |  |  |  |  |  |
| n41 | 3 | 0.6 | 0.6 | 0.6 | 0.6 |  |  |  |  |  |  |  |  |  |
| 41 | n3 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | [0.6] |  |  |  |  |  |  |
| n41 | 661 | 3.5 | 3.5 | 3.5 | 3.5 |  |  |  |  |  |  |  |  |  |
| n41 | 25 | 0.6 | 0.6 | 0.6 | 0.6 |  |  |  |  |  |  |  |  |  |
| n50 | 3 | 2.5 | 1.9 | 1.6 | 1.5 |  |  |  |  |  |  |  |  |  |
| n77 | 71 | 4.5 | 4.5 | 4.5 | 4.5 |  |  |  |  |  |  |  |  |  |
| n77 | 411 | 4.5 | 4.5 | 4.5 | 4.5 |  |  |  |  |  |  |  |  |  |
| 41 | n77 |  | 8.3 | 8.3 | 8.3 | [7.3] | [6.5] | 6.3 | 5.3 | 4.5 | [4.3] | 4.0 | 3.9 | 3.8 |
| n78 | 71 | 4.5 | 4.5 | 4.5 | 4.5 |  |  |  |  |  |  |  |  |  |
| n78 | 38 | 3.3 | 3.3 | 3.3 | 3.3 |  |  |  |  |  |  |  |  |  |
| n78 | 401 | 4.5 | 4.5 | 4.5 | 4.5 |  |  |  |  |  |  |  |  |  |
| n78 | 411 | 4.5 | 4.5 | 4.5 | 4.5 |  |  |  |  |  |  |  |  |  |
| n78 | 46 |  |  |  | 7 |  |  |  |  |  |  |  |  |  |
| 41 | n78 |  | 8.3 | 8.3 | 8.3 | [7.3] | [6.5] | 6.3 | 5.3 | 4.5 | [4.3] | 4.0 | 3.9 | 3.8 |
| n79 | 426 | 2.6 | 2.6 | 2.6 | 2.6 |  |  |  |  |  |  |  |  |  |
| n843 | 3 | 3 | 2.3 | 2 | 1.8 |  |  |  |  |  |  |  |  |  |
| 48 | n46 | - | - | - | 7 | - | - | 5.7 | - | 5.1 | - | 4.7 | - | - |
| n46 | 48 | 13.3 | 10.4 | 8.8 | 7.8 | - | - | 7.8 | 7 | 6.5 | - | 5.7 | 5.4 | 5.1 |
| NOTE 1: Applicable only when harmonic mixing MSD for this combination is not applied.  NOTE 2: The B41 requirements are modified by -0.5dB when carrier frequency of the assigned E-UTRA channel bandwidth is within 2515 – 2690 MHz.  NOTE 3: These requirements apply when the uplink is active in Band n1, n84 and the separation between the lower edge of the uplink channel in Band n1, n84 and the upper edge of the downlink channel in Band 3 is < 60 MHz. For each channel bandwidth in Band 3, the requirement applies regardless of channel bandwidth in Band n1, n84.  NOTE 4: The DL victim band should be configured using the lowest SCS that is compatible with the highest CBW for which an MSD is specified.  NOTE 5: MSD test point can be chosen according to supported BW and lowest SCS supported by the UE.  NOTE 6: The requirements only apply for UEs supporting inter-band DC\_42\_n79 ENDC with simultaneous Rx/Tx capability. Simultaneous Rx/Tx capability does not apply for UEs supporting band 42 with a n77 implementation only. These restrictions are applicable to related higher order configurations. | | | | | | | | | | | | | | |

Table 7.3B.2.3.4-1a: Reference sensitivity exceptions (MSD) due to cross band isolation for PC2 EN-DC in NR FR1

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | E-UTRA or NR Band / Channel bandwidth of the affected DL band / MSD | | | | | | | | | | | | |
| UL band | DL band | 5 MHz  (dB) | 10 MHz  (dB) | 15 MHz  (dB) | 20 MHz  (dB) | 25 MHz  (dB) | 30 MHz  (dB) | 40 MHz  (dB) | 50 MHz  (dB) | 60 MHz  (dB) | 80 MHz  (dB) | 90 MHz  (dB) | 100 MHz  (dB) |
| 3 | n41 |  | 0.7 | 0.7 | 0.7 |  |  | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 |
| n41 | 3 | 2.3 | 2.3 | 2.3 | 2.3 |  |  |  |  |  |  |  |  |

Table 7.3B.2.3.4-2: Uplink configuration for reference sensitivity exceptions due to cross band isolation for EN-DC in NR FR1

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| E-UTRA or NR Band / SCS / Channel bandwidth of the affected DL band / UL RB allocation of the agressor band | | | | | | | | | | | | | | | |
| UL band | DL band | SCS of UL band (kHz) | 5 MHz  (LCRB) | 10 MHz  (LCRB) | 15 MHz  (LCRB) | 20 MHz  (LCRB) | 25 MHz  (LCRB) | 30 MHz  (LCRB) | 40 MHz  (LCRB) | 50 MHz  (LCRB) | 60 MHz  (LCRB) | 70 MHz  (LCRB) | 80 MHz  (LCRB) | 90 MHz  (LCRB) | 100 MHz  (LCRB) |
| n1 | 3 | 15 | 25 | 25 | 25 | 25 |  |  |  |  |  |  |  |  |  |
| n1 | 40 | 15 | 25 | 50 | 75 | 100 |  |  |  |  |  |  |  |  |  |
| 1 | n3 | 15 | 25 | 25 | 25 | 25 | 25 | 25 | [25] |  |  |  |  |  |  |
| 1 | n40 | 15 | 25 | 50 | 75 | 100 | 100 | 100 | 100 | 100 | 100 |  | 100 |  |  |
| 1 | n41 | 15 |  | 100 | 100 | 100 |  | [100] | 100 | 100 | 100 |  | 100 | 100 | 100 |
| n3 | 11 | 15 | 25 | 50 |  |  |  |  |  |  |  |  |  |  |  |
| 3 | n41 | 15 |  | 50 | 50 | 50 |  | [50] | 50 | 50 | 50 |  | 50 | 50 | 50 |
| 3 | n51 | 15 | 25 |  |  |  |  |  |  |  |  |  |  |  |  |
| 30 | n66 | 15 | 25 | 25 | 25 | 25 | [25] | [25] | 25 |  |  |  |  |  |  |
| n3 | 41 | 15 | 25 | 502 | 502 | 502 |  |  |  |  |  |  |  |  |  |
| n5 | 28 | 15 | 25 | 25 | 20 | 20 |  |  |  |  |  |  |  |  |  |
| 7 | n40 | 15 | 25 | 50 | 75 | 75 | [75] | [100] | 100 | 100 | 100 |  | 100 |  |  |
| n34 | 3 | 15 | 25 | 25 | 25 | 25 |  |  |  |  |  |  |  |  |  |
| n38 | 1 | 15 | 100 | 100 | 100 | 100 |  |  |  |  |  |  |  |  |  |
| n38 | 2 | 15 | 100 | 100 | 100 | 100 |  |  |  |  |  |  |  |  |  |
| n38 | 4 | 15 | 100 | 100 | 100 | 100 |  |  |  |  |  |  |  |  |  |
| n38 | 66 | 15 | 100 | 100 | 100 | 100 |  |  |  |  |  |  |  |  |  |
| n40 | 1 | 15 | 25 | 50 | 75 | 100 |  |  |  |  |  |  |  |  |  |
| n41 | 4 | 30 | 128 | 128 | 128 | 128 |  |  |  |  |  |  |  |  |  |
| 40 | n1 | 15 | 25 | 50 | 75 | 100 |  |  |  |  |  |  |  |  |  |
| n40 | 7 | 30 | 216 | 216 | 216 | 216 |  |  |  |  |  |  |  |  |  |
| n41 | 1 | 30 | 128 | 128 | 128 | 128 |  |  |  |  |  |  |  |  |  |
| n41 | 2 | 30 | 160 | 160 | 160 | 160 |  |  |  |  |  |  |  |  |  |
| n41 | 3 | 30 | 160 | 160 | 160 | 160 |  |  |  |  |  |  |  |  |  |
| 41 | n3 | 15 | 25 | 50 | 75 | 100 | 100 | 100 | [100] |  |  |  |  |  |  |
| n41 | 66 | 30 | 128 | 128 | 128 | 128 |  |  |  |  |  |  |  |  |  |
| n41 | 25 | 30 | 160 | 160 | 160 | 160 |  |  |  |  |  |  |  |  |  |
| n50 | 3 | 30 | 160 | 160 | 160 | 160 |  |  |  |  |  |  |  |  |  |
| n77 | 7 | 30 | 270 | 270 | 270 | 270 |  |  |  |  |  |  |  |  |  |
| n77 | 41 | 30 | 270 | 270 | 270 | 270 |  |  |  |  |  |  |  |  |  |
| 41 | n77 | 15 |  | 100 | 100 | 100 | [100] | [100] | 100 | 100 | 100 | [100] | 100 | 100 | 100 |
| n78 | 7 | 30 | 270 | 270 | 270 | 270 |  |  |  |  |  |  |  |  |  |
| n78 | 38 | 30 | 270 | 270 | 270 | 270 |  |  |  |  |  |  |  |  |  |
| n78 | 40 | 30 | 270 | 270 | 270 | 270 |  |  |  |  |  |  |  |  |  |
| n78 | 41 | 30 | 270 | 270 | 270 | 270 |  |  |  |  |  |  |  |  |  |
| n78 | 46 | 30 |  |  |  | 270 |  |  |  |  |  |  |  |  |  |
| 41 | n78 | 15 |  | 100 | 100 | 100 | [100] | [100] | 100 | 100 | 100 | [100] | 100 | 100 | 100 |
| n79 | 42 | 30 | 2705 | 2705 | 2705 | 2705 |  |  |  |  |  |  |  |  |  |
| n84 | 3 | 15 | 25 | 25 | 25 | 25 |  |  |  |  |  |  |  |  |  |
| 48 | n46 | 15 |  |  |  | 216 |  |  | 216 |  | 216 |  | 216 |  |  |
| n46 | 48 | 30 | 216 | 216 | 216 | 216 |  |  | 216 | 216 | 216 |  | 216 | 216 | 216 |
| NOTE 1: The UL configuration applies regardless of the channel bandwidth of the UL band. UL resource blocks allocation in the table shall be further limited to that specified in Table 7.3.1-2 in TS 36.101 [4] or Table 7.3.2-3 in TS 38.101-1 [2].  NOTE 2: The UL resource blocks shall be located as close as possible to the downlink operating band but confined within the transmission bandwidth configuration for the channel bandwidth.  NOTE 3: When the maximum UL RB allocation “LCRB” value is less than the maximum transmission bandwidth configuration “NRB” defined in Table 5.3.2-1 in 38.101-1 [2] for the specified UL band SCS, the UL band should be configured using the lowest CBW that is compatible with the maximum specified LCRB value.  NOTE 4: If the aggressor band is NR band, the test SCS and UL RB can be adjusted according to supported BW and lowest SCS supported by the UE.  NOTE 5: The requirements only apply for UEs supporting inter-band ENDC with simultaneous Rx/Tx capability. Simultaneous Rx/Tx capability does not apply for UEs supporting band 42 with a n77 implementation only. These restrictions are applicable to related higher order configurations. | | | | | | | | | | | | | | | |

***---------------------<End of change6>------------------***

***----------------------------<Start of change7>-----------------------***

###### 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 | N/A |
| NOTE 1: For NR band, UL/DL BW and UL LCRB can be adjusted according to the supported BW and lowest SCS supported by the UE. | | | | | | | |

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-8A\_n78A | 1 | N/A | N/A | N/A | N/A | N/A | N/A |
|  | 8 | N/A | N/A | N/A | N/A | N/A | IMD5 |
|  | n78 | N/A | N/A | N/A | N/A | 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 |
|  | n78 | 3757.5 | 10 | 50 | 3757.5 | N/A | N/A |
|  | 1 | 1935 | 5 | 25 | 2125 | 2.8 | IMD5 |
|  | 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 |
|  | 1 | 1950 | 5 | 25 | 2140 | N/A | N/A |
|  | n3 | 1735 | 5 | 25 | 1830 | 27.9 | IMD2 |
|  | n78 | 3780 | 10 | 50 | 3780 | N/A | N/A |
| DC\_1A-5A\_n78A | 1 | 1932 | 5 | 25 | 2122 | 18.1 | IMD3 |
|  | 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 |
|  | 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 |
|  | n78 | 3305 | 10 | 50 | 3305 | N/A | N/A |
|  | 1 | 1950 | 5 | 25 | 2140 | 8.7 | IMD4 |
|  | 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 |
|  | 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 |
| 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\_n8A-n40A | 1 | 1930 | 5 | 25 | 2120 | N/A | N/A |
|  | n8 | 885 | 5 | 25 | 930 | 8.0 | IMD4 |
|  | n40 | 2395 | 5 | 25 | 2395 | N/A | N/A |
| 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 | 50 | 3745 | 14.9 | IMD3 |
|  | 1 | 1940 | 5 | 25 | 2130 | N/A | N/A |
|  | n8 | 895 | 5 | 25 | 940 | 3.3 | IMD5 |
|  | n78 | 3380 | 10 | 50 | 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 | N/A | N/A | N/A | N/A | N/A | N/A |
|  | 18 | N/A | N/A | N/A | N/A | N/A | IMD5 |
|  | n77 | N/A | N/A | N/A | N/A | N/A | N/A |
|  | 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 | N/A | N/A | N/A | N/A | N/A | N/A |
|  | 18 | N/A | N/A | N/A | N/A | N/A | IMD5 |
|  | n78 | N/A | N/A | N/A | N/A | N/A | N/A |
|  | 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 |
|  | 1 | N/A | N/A | N/A | N/A | N/A | IMD5 |
|  | 19 | N/A | N/A | N/A | N/A | N/A | N/A |
|  | n78 | N/A | N/A | N/A | N/A | N/A | IMD5 |
| 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-20A\_n38A | 1 | N/A | N/A | N/A | N/A | N/A | N/A |
|  | 20 | N/A | N/A | N/A | N/A | N/A | IMD5 |
|  | n38 | N/A | N/A | N/A | N/A | N/A | N/A |
| 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 | N/A | N/A | N/A | N/A | N/A | N/A |
|  | 21 | N/A | N/A | N/A | N/A | N/A | IMD2 |
|  | n78 | N/A | N/A | N/A | N/A | 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-21A\_n79A | 1 | N/A | N/A | N/A | N/A | N/A | N/A |
|  | 21 | N/A | N/A | N/A | N/A | N/A | IMD4 |
|  | n79 | N/A | N/A | N/A | N/A | N/A | N/A |
| DC\_1A\_n28A-n40A | 1 | 1930 | 5 | 25 | 2120 | N/A | N/A |
|  | n28 | 743 | 5 | 25 | 798 | N/A | N/A |
|  | n40 | 2374 | 5 | 25 | 2374 | 10.1 | IMD4 |
|  | 1 | 1930 | 5 | 25 | 2120 | N/A | N/A |
|  | n28 | 713 | 5 | 25 | 768 | 8.6 | IMD4 |
|  | n40 | 2314 | 5 | 25 | 2314 | 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\_n77A DC\_1A-28A\_n78A | 1 | 1960 | 5 | 25 | 2150 | 15.7 | IMD3 |
|  | 28 | 740 | 5 | 25 | 795 | N/A | N/A |
|  | n77/n78 | 3630 | 10 | 50 | 3630 | N/A | N/A |
| DC\_1A-28A\_n77A DC\_1A-28A\_n78A | 1 | 1970 | 5 | 25 | 2160 | N/A | N/A |
|  | 28 | 739 | 5 | 25 | 794 | 4.2 | IMD5 |
|  | n77/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  DC\_1A\_n40A-n78(2A) | 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 |
|  | 1 | 1960 | 5 | 25 | 2150 | N/A | N/A |
|  | n40 | 2360 | 5 | 25 | 2360 | 10.6 | IMD4 |
|  | 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 |
| 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 |
| 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 | N/A |  |
|  | 41 | 2510 | 5 | 25 | 2510 | N/A | IMD4 |
|  | 1 | 1950 | 5 | 25 | 2140 | 9.3 | IMD4 |
|  | n77 | 3710 | 10 | 50 | 3710 | N/A | N/A |
|  | 41 | 2640 | 5 | 25 | 2640 | N/A | N/A |
|  | 1 | 1930 | 5 | 25 | 2120 | 11.0 | N/A |
|  | n77 | 4150 | 10 | 50 | 4150 | N/A |  |
|  | 41 | 2510 | 5 | 25 | 2510 | N/A | IMD5 |
| DC\_1A-41A\_n78A  DC\_1A-41C\_n78A  DC\_1A-41A\_n78(2A)  DC\_1A-41C\_n78(2A) | 1 | 1950 | 5 | 25 | 2140 | 9.3 | IMD4 |
|  | 41 | 2640 | 5 | 25 | 2640 | N/A | N/A |
|  | n78 | 3710 | 10 | 50 | 3710 | N/A | N/A |
|  | 1 | 1975 | 5 | 25 | 2165 | N/A | N/A |
|  | 41 | 2515 | 5 | 25 | 2515 | 12 | IMD4 |
|  | n78 | 3410 | 10 | 50 | 3410 | N/A | N/A |
| DC\_1A-41A\_n78A | 1 | 1955 | 5 | 25 | 2145 | 8.7 | IMD4 |
|  | 41 | 2507.5 | 10 | 50 | 2507.5 | N/A | N/A |
|  | n78 | 3580 | 10 | 50 | 3580 | N/A | N/A |
| DC\_1A\_n41A-n78A | 1 | 1975 | 5 | 25 | 2165 | N/A | N/A |
|  | n41 | 2515 | 10 | 50 | 2515 | 11.5 | IMD4 |
|  | n78 | 3410 | 10 | 50 | 3410 | N/A | N/A |
|  | 1 | 1970 | 5 | 25 | 2160 | N/A | N/A |
|  | n41 | 2650 | 10 | 25 | 2650 | N/A | N/A |
|  | n78 | 3330 | 10 | 50 | 3330 | 19.6 | IMD3 |
| DC\_1A-41A\_n79A | 1 | 1970 | 5 | 25 | 2160 | N/A | N/A |
|  | n79 | 4500 | 40 | 216 | 4500 | N/A |  |
|  | 41 | 2530 | 5 | 25 | 2530 | 29.4 | IMD2 |
| DC\_1A\_n75A-n78A  DC\_1A\_n75A-n78(2A) | 1 | 1930 | 5 | 25 | 2120 | N/A | N/A |
|  | n78 | 3400 | 10 | 50 | 3400 | N/A | N/A |
|  | n75 | - | - | - | 1470 | 30.4 | 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 | N/A | N/A |
|  | 42 | 3490 | 5 | 25 | 3490 | 4.8 | IMD5 |
|  | 42 | 3402.5 | 5 | 25 | 3402.5 | N/A | N/A |
|  | n79 | 4640 | 40 | 216 | 4640 | N/A | N/A |
|  | 1 | 1975 | 5 | 25 | 2165 | 15.5 | IMD3 |
|  | 42 | 3450 | 5 | 25 | 3450 | N/A | N/A |
|  | n79 | 4520 | 40 | 216 | 4520 | N/A | N/A |
|  | 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 |
|  | 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 |
|  | 7 | 2550 | 5 | 25 | 2685 | N/A | N/A |
|  | n78 | 3525 | 10 | 50 | 3475 | N/A | N/A |
| DC\_2A\_n7A-n78A,  DC\_2A\_n7(2A)-n78A  DC\_2A\_n7A-n78(2A)  DC\_2A\_n7(2A)-n78(2A) | 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 |
| DC\_2A\_12A-n66A | 2 | N/A | N/A | N/A | N/A | N/A | IMD4 |
|  | 12 | N/A | N/A | N/A | N/A | N/A | N/A |
|  | n66 | N/A | N/A | N/A | N/A | N/A | N/A |
| DC\_2A-13A\_n66A  DC\_2A-2A-13A\_n66A | 2 | 1860 | 5 | 25 | 1940 | 6.2 | IMD4 |
|  | 13 | 780 | 10 | 50 | 749 | N/A | N/A |
|  | n66 | 1750 | 5 | 25 | 2150 | N/A | N/A |
| DC\_2A\_n38A-n78A | 2 | 1870 | 5 | 25 | 1950 | N/A | N/A |
|  | n38 | 2610 | 5 | 25 | 2610 | N/A | N/A |
|  | n78 | 3350 | 10 | 50 | 3350 | 14.8 | IMD3 |
| 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 | 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 | N/A |
| DC\_2A-48A\_n66A | 2 | 1880 | 5 | 25 | 1960 | N/A | N/A |
|  | 48 | 3620 | 10 | 50 | 3620 | 29.4 | IMD2 |
|  | n66 | 1740 | 5 | 25 | 2140 | N/A | N/A |
|  | 2 | 1880 | 5 | 25 | 1960 | 28.3 | IMD2 |
|  | 48 | 3695 | 5 | 25 | 3695 | N/A | N/A |
|  | n66 | 1735 | 5 | 25 | 2135 | N/A | N/A |
| DC\_2A-66A\_n2A | 2 | 1900 | 5 | 25 | 1980 | 20 | IMD3 |
| 66 | 1730 | 5 | 25 | 2130 | N/A | N/A |
| n2 | 1855 | 5 | 25 | 1935 | 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  DC\_2A-66A\_n41C  DC\_2A-66A\_n41(2A) | 2 | 1860 | 5 | 25 | 1940 | 11.0 | IMD4 |
|  | 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 |
|  | 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 |
|  | 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 |
|  | 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 |
|  | 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 |
|  | 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 |
|  | 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 |
|  | 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 |
| 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-n40A | 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\_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 |
|  | 3 | 1775 | 5 | 25 | 1870 | N/A | N/A |
|  | n1 | 1950 | 5 | 25 | 2140 | 31.0 | IMD2 |
|  | 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 |
|  | 3 | 1770 | 5 | 25 | 1865 | N/A | N/A |
|  | n1 | 1940 | 5 | 25 | 2130 | 3.5 | IMD5 |
|  | n78 | 3720 | 10 | 50 | 3720 | N/A | N/A |
| DC\_3A-5A\_n78A | 3 | N/A | N/A | N/A | N/A | N/A | IMD3 |
|  | 5 | N/A | N/A | N/A | N/A | N/A | N/A |
|  | n78 | N/A | N/A | N/A | N/A | 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-18A\_n77A  DC\_3A-18A\_n78A | 3 | N/A | N/A | N/A | N/A | N/A | IMD3 |
|  | 18 | N/A | N/A | N/A | N/A | N/A | N/A |
|  | n77, n78 | N/A | N/A | N/A | N/A | N/A | N/A |
| DC\_3A-19A\_n78A | 3 | N/A | N/A | N/A | N/A | N/A | IMD3 |
|  | 19 | N/A | N/A | N/A | N/A | N/A | N/A |
|  | n78 | N/A | N/A | N/A | N/A | N/A | N/A |
| DC\_3A\_n7A-n28A | 3 | 1747 | 5 | 25 | 1842 | N/A | N/A |
| DC\_3C\_n7A-n28A | n7 | 2543 | 5 | 25 | 2663 | N/A | N/A |
|  | n28 | 741 | 5 | 25 | 796.0 | 20.0 | IMD2 |
|  | 3 | 1712.5 | 5 | 25 | 1807.5 | N/A | N/A |
|  | n7 | 2562 | 5 | 25 | 2682 | 17.0 | IMD3 |
|  | n28 | 743 | 5 | 25 | 798 | N/A | N/A |
| 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 |
|  | 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 |
|  | 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 |
|  | 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 |
|  | 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 |
|  | 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 |
|  | 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\_n8A-n78A | 3 | 1740 | 5 | 25 | 1835 | N/A | N/A |
|  | n8 | 900 | 5 | 25 | 945 | N/A | N/A |
|  | n78 | 3540 | 10 | 50 | 3540 | 16.3 | 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 |
| DC\_3A\_n7A-n78(2A) | n7 | 2560 | 5 | 25 | 2680 | N/A | N/A |
| DC\_3C\_n7A-n78(2A) | n78 | 3390 | 10 | 50 | 3390 | 16.1 | IMD3 |
| 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 |
| DC\_3A-20A\_n8A | 3 | 1765 | 5 | 25 | 1860 | 14.5 | IMD4 |
|  | 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 | 728 | 5 | 25 | 783 | N/A | N/A |
|  | 3 | 1733 | 5 | 25 | 1828 | 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 | IMD2 |
|  | n41 | 2680 | 10 | 50 | 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 | 50 | 2590 | N/A | N/A |
|  | 20 | 852 | 10 | 50 | 811 | 26.0 | IMD2 |
| DC\_3A-20A\_n41A  DC\_3C-20A\_n41A | 3 | 1730 | 5 | 25 | 1825 | N/A | N/A |
|  | n41 | 2660 | 10 | 50 | 2660 | N/A | N/A |
|  | 20 | 841 | 5 | 25 | 800 | 12.5 | IMD3 |
| 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 |
| DC\_3A-20A\_n78A  DC\_3C-20A\_n78A | 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-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 |
|  | 3 | N/A | N/A | N/A | N/A | N/A | IMD2 |
|  | 21 | N/A | N/A | N/A | N/A | N/A | N/A |
|  | n78 | N/A | N/A | N/A | N/A | 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 | N/A | N/A | N/A | N/A | N/A | N/A |
|  | 21 | N/A | N/A | N/A | N/A | N/A | IMD3 |
|  | n79 | N/A | N/A | N/A | N/A | N/A | N/A |
|  | 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\_n28A-n77A | 3 | 1720 | 5 | 25 | 1815 | N/A | N/A |
|  | 28 | 733 | 5 | 25 | 788 | N/A | N/A |
|  | n77 | 4173 | 10 | 50 | 4173 | 15.9 | IMD3 |
|  | 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 |
| 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 |
|  | 3 | 1737.5 | 5 | 25 | 1832.5 | 26.0 | IMD2 |
|  | n41 | 2543 | 10 | 50 | 2543 | N/A | N/A |
|  | 28 | 710.5 | 5 | 25 | 765.5 | N/A | N/A |
| 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 |
| 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 |
|  | 3 | 1720 | 5 | 25 | 1815 | N/A | N/A |
|  | n40 | 2360 | 5 | 25 | 2360 | 4.4 | IMD5 |
|  | n78 | 3760 | 10 | 50 | 3760 | N/A | N/A |
| DC\_3A\_n40A-n79A | 3 | 1720 | 5 | 25 | 1815 | N/A | N/A |
|  | n40 | 2330 | 5 | 25 | 2330 | N/A | N/A |
|  | n79 | 4550 | 40 | 216 | 4550 | 4.7 | IMD5 |
|  | 3 | 1720 | 5 | 25 | 1815 | N/A | N/A |
|  | n40 | 2330 | 5 | 25 | 2330 | 3.2 | IMD5 |
|  | n79 | 4550 | 40 | 216 | 4550 | N/A | N/A |
| DC\_3A\_n41A-n79A | 3 | 1770 | 5 | 25 | 1865 | N/A | N/A |
|  | n41 | 2670 | 10 | 50 | 2670 | N/A | N/A |
|  | n79 | 4440 | 40 | 216 | 4440 | 30.8 | IMD24 |
| DC\_3A\_n75A-n78A  DC\_3A\_n75A-n78(2A) | 3 | 1782.5 | 5 | 25 | 1877.5 | N/A | N/A |
|  | n78 | 3305 | 10 | 50 | 3305 | N/A | N/A |
|  | n75 | - | - | - | 1514.5 | 10.0 | IMD2 |
| 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 |
|  | 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 |
|  | 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 |
| 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 |
|  | 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 |
| 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 | 50 | 3400 | N/A | N/A |
|  | 3 | 1745 | 5 | 25 | 1840 | 16.4 | IMD3 |
| DC\_3A\_n41A-n78A | 3 | 1730 | 5 | 25 | 1825 | N/A | N/A |
|  | n41 | 2560 | 10 | 50 | 2560 | N/A | N/A |
|  | n78 | 3390 | 10 | 50 | 3390 | 16.4 | IMD3 |
| 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 |
|  | 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 |
| DC\_5A-7A\_n71A | 5 | 835 | 5 | 25 | 880 | N/A | N/A |
|  | 7 | 2540 | 5 | 25 | 2660 | 6.5 | IMD5 |
|  | 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 |
|  | n78 | 3489 | 10 | 50 | 3489 | N/A | N/A |
|  | 5 | 834 | 5 | 25 | 879 | 30.2 | IMD2 |
|  | 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 |
|  | 7 | 2525 | 5 | 25 | 2645 | N/A | N/A |
|  | n78 | 3350 | 10 | 50 | 3350 | N/A | N/A |
| DC\_5A\_n7A-n78A,  DC\_5A\_n7(2A)-n78A  DC\_5A\_n7A-n78(2A)  DC\_5A\_n7(2A)-n78(2A) | 5 | 844 | 5 | 25 | 889 | N/A | N/A |
|  | n7 | 2525 | 5 | 25 | 2645 | 30.1 | IMD2 |
|  | 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 |
| 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 |
|  | 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 |
|  | 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 |
|  | 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-n40A | 7 | 2540 | 5 | 25 | 2660 | N/A | N/A |
|  | n40 | 2335 | 5 | 25 | 2335 | N/A | N/A |
|  | n1 | 1940 | 5 | 25 | 2130 | 15.2 | IMD3 |
| 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\_n8A-n40A | 7 | 2530 | 5 | 25 | 2650 | N/A | N/A |
|  | n8 | 905 | 5 | 25 | 950 | N/A | N/A |
|  | n40 | 2345 | 5 | 25 | 2345 | 3.0 | IMD5 |
| 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 |
|  | 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 |
|  | n77 | 3310 | 10 | 50 | 3310 | N/A | N/A |
| DC\_7A-8A\_n77A | 7 | 2530 | 5 | 25 | 2650 | 28 | IMD2 |
|  | 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 |
|  | 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 |
|  | n78 | 3310 | 10 | 50 | 3310 | N/A | N/A |
| DC\_7A-8A\_n78A | 7 | 2530 | 5 | 25 | 2650 | 28 | IMD2 |
|  | 8 | 895 | 5 | 25 | 940 | N/A | N/A |
|  | n78 | 3545 | 10 | 50 | 3545 | N/A | N/A |
| DC\_7A\_n8A-n78A | 7 | 2555 | 5 | 25 | 2675 | N/A | N/A |
|  | n8 | 900 | 5 | 25 | 945 | N/A | N/A |
|  | n78 | 3455 | 10 | 50 | 3455 | 28.5 | IMD2 |
|  | 7 | 2555 | 5 | 25 | 2675 | N/A | N/A |
|  | n8 | 900 | 5 | 25 | 945 | 29.7 | IMD2 |
|  | n78 | 3500 | 10 | 50 | 3500 | N/A | N/A |
| DC\_7A-13A\_n66A | 7 | 2520 | 5 | 25 | 2640 | N/A | N/A |
|  | 13 | 781 | 5 | 25 | 750 | 31 | IMD2 |
|  | n66 | 1770 | 5 | 25 | 2170 | N/A | N/A |
| DC\_7A-13A\_n66A | 7 | 2540 | 5 | 25 | 2660 | 18 | IMD3 |
|  | 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 |
|  | 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 | 814 | 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 |
| DC\_7A-20A\_n8A | 7 | 2520 | 5 | 25 | 2640 | 21.1 | IMD3 |
|  | 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 |
|  | n8 | 910 | 5 | 25 | 955 | N/A | N/A |
|  | 20 | 857 | 5 | 25 | 816 | N/A | N/A |
| DC\_7A-20A\_n28A | 20 | 842 | 5 | 25 | 801 | N/A | N/A |
|  | n28 | 728 | 5 | 25 | 783 | N/A | N/A |
|  | 7 | 2520 | 10 | 50 | 2640 | 5.9 | IMD5 |
| DC\_7A-20A\_n78A | 7 | 2560 | 5 | 25 | 2680 | N/A | N/A |
|  | 20 | 851 | 5 | 25 | 810 | 30.5 | IMD2 |
|  | 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 |
|  | n78 | 3435 | 10 | 50 | 3435 | N/A | N/A |
| DC\_7A-20A\_n78A | 7 | 2555 | 5 | 25 | 2675 | 30.8 | IMD2 |
|  | 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 | 28.8 | 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 |
|  | 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 |
| 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\_7C\_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/n66 | 1750 | 5 | 25 | 2150 | 8.7 | IMD4 |
|  | n78 | 3625 | 10 | 50 | 3475 | N/A | N/A |
| DC\_7A\_n66A-n78A  DC\_7A-7A\_n66A-n78A  DC\_7C\_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 |
| 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\_n28A-n77A | 8 | 910 | 5 | 25 | 955 | N/A | N/A |
|  | n28 | 743 | 5 | 25 | 798 | N/A | N/A |
|  | n77 | 3473 | 10 | 50 | 3473 | 10.3 | IMD4 |
|  | 8 | 910 | 5 | 25 | 955 | N/A | N/A |
|  | n28 | 710 | 5 | 25 | 765 | 11.6 | IMD4 |
|  | n77 | 3495 | 10 | 50 | 3495 | N/A | N/A |
| DC\_8A\_n40A-n79A | 8 | 885 | 5 | 25 | 930 | N/A | N/A |
|  | n40 | 2305 | 5 | 25 | 2305 | N/A | N/A |
|  | n79 | 4960 | 40 | 216 | 4960 | 10.7 | IMD4 |
|  | 8 | 885 | 5 | 25 | 930 | N/A | N/A |
|  | n40 | 2305 | 5 | 25 | 2305 | 9.2 | IMD4 |
|  | n79 | 4960 | 40 | 216 | 4960 | N/A | N/A |
| DC\_8A\_n41A-n79A | 8 | 910 | 5 | 25 | 955 | N/A | N/A |
|  | n41 | 2650 | 10 | 50 | 2650 | N/A | N/A |
|  | n79 | 4470 | 40 | 216 | 4470 | 16.3 | IMD3 |
|  | 8 | 910 | 5 | 25 | 955 | N/A | N/A |
|  | n41 | 2650 | 10 | 50 | 2650 | 15.5 | IMD3 |
|  | n79 | 4470 | 40 | 216 | 4470 | 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 |
| 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 |
| DC\_12A\_n7A-n78A,  DC\_12A\_n7(2A)-n78A  DC\_12A\_n7A-n78(2A)  DC\_12A\_n7(2A)-n78(2A) | 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 | IMD4 |
|  | 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 |
|  | n48 | 3695 | 5 | 25 | 3695 | N/A | N/A |
| DC\_18A\_n3A-n77A | 18 | 820 | 5 | 25 | 865 | N/A | N/A |
|  | n3 | 1770 | 5 | 25 | 1865 | N/A | N/A |
|  | n77 | 3410 | 10 | 50 | 3410 | 16.3 | IMD3 |
|  | 18 | 820 | 5 | 25 | 865 | N/A | N/A |
|  | n3 | 1770 | 5 | 25 | 1865 | 15.7 | IMD3 |
|  | n77 | 3505 | 10 | 50 | 3505 | 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 |
|  | 18 | 820 | 5 | 25 | 865 | 28.9 | IMD21 |
|  | 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 |
|  | 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 |
|  | 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 | N/A | N/A | N/A | N/A | N/A | IMD5 |
|  | 21 | N/A | N/A | N/A | N/A | N/A | N/A |
|  | n79 | N/A | N/A | N/A | N/A | N/A | N/A |
|  | 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\_38A-n78A | 20 | N/A | N/A | N/A | N/A | N/A | IMD2 |
|  | 38 | N/A | N/A | N/A | N/A | N/A | N/A |
|  | n78 | N/A | N/A | N/A | N/A | N/A | N/A |
|  | 20 | N/A | N/A | N/A | N/A | N/A | N/A |
|  | 38 | N/A | N/A | N/A | N/A | N/A | IMD2 |
|  | n78 | N/A | N/A | N/A | N/A | N/A | N/A |
| DC\_20A\_n7A-n28A | 20 | 857 | 5 | 25 | 816 | N/A | N/A |
|  | n7 | 2512 | 5 | 25 | 2632 | N/A | N/A |
|  | n28 | 743 | 5 | 25 | 798 | 13.9 | IMD3 |
|  | 20 | 852 | 5 | 25 | 811 | N/A | N/A |
|  | n7 | 2550 | 10 | 50 | 2670 | 5.9 | IMD5 |
|  | n28 | 738 | 5 | 25 | 793 | 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\_20A\_n41A-n78A | 20 | 845 | 5 | 25 | 804 | N/A | N/A |
|  | n41 | 2675 | 10 | 50 | 2675 | 29.8 | IMD2 |
|  | n78 | 3520 | 10 | 50 | 3520 | N/A | N/A |
|  | 20 | 850 | 5 | 25 | 809 | N/A | N/A |
|  | n41 | 2550 | 10 | 50 | 2550 | N/A | N/A |
|  | n78 | 3400 | 10 | 50 | 3400 | 28.8 | IMD2 |
| 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\_n3A-n77A | 28 | 735 | 5 | 25 | 790 | N/A | N/A |
|  | n3 | 1755 | 5 | 25 | 1850 | 17.0 | IMD3 |
|  | n77 | 3320 | 10 | 50 | 3320 | N/A | N/A |
|  | 28 | 733 | 5 | 25 | 788 | N/A | N/A |
|  | n3 | 1720 | 5 | 25 | 1815 | N/A | N/A |
|  | n77 | 4173 | 10 | 50 | 4173 | 15.9 | IMD3 |
| 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 |
|  | 28 | 740 | 5 | 25 | 795 | N/A | N/A |
|  | n7 | 2530 | 5 | 25 | 2650 | 30.5 | IMD2 |
|  | 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\_n77A | 41 | 2567.5 | 10 | 50 | 2567.5 | N/A | N/A |
|  | n77 | 3460 | 10 | 50 | 3460 | N/A | N/A |
|  | 28 | 727.5 | 5 | 25 | 782.5 | 3.0 | IMD5 |
| 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 |
|  | 28 | 713 | 5 | 25 | 768 | N/A | N/A |
|  | n8 | 890 | 5 | 25 | 935 | 4.3 | IMD5 |
|  | n78 | 3787 | 10 | 50 | 3787 | N/A | N/A |
| DC\_29A-30A\_n66A | 29 | N/A | 5 | 25 | 719.5 | 4.5 | IMD5 |
| 30 | 2307.5 | 5 | 25 | 2352.5 | N/A | N/A |
| n66 | 1777.5 | 5 | 25 | 2177.5 | 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 | IMD5 |
|  | n5 | 830 | 5 | 25 | 875 | N/A | N/A |
| DC\_39A\_n40A-n79A | 39 | 1917.5 | 5 | 25 | 1917.5 | N/A | N/A |
|  | n40 | 2302.5 | 5 | 25 | 2302.5 | N/A | N/A |
|  | n79 | 4980 | 40 | 216 | 4980 | 5.8 | IMD4 |
| DC\_39A\_n41A-n79A | 39 | 1900 | 5 | 25 | 1900 | N/A | N/A |
|  | n41 | 2620 | 10 | 50 | 2620 | N/A | N/A |
|  | n79 | 4520 | 40 | 216 | 4520 | 29.8 | IMD24 |
|  | 39 | 1900 | 5 | 25 | 1900 | N/A | N/A |
|  | n41 | 2620 | 10 | 50 | 2620 | 30.2 | IMD24 |
|  | n79 | 4520 | 40 | 216 | 4520 | N/A | N/A |
| DC\_41A\_n3A-n77A  DC\_41C\_n3A-n77A  DC\_41A\_n3A-n78A  DC\_41C\_n3A-n78A | 41 | 2620 | 5 | 25 | 2620 | N/A | N/A |
|  | n3 | 1745 | 5 | 25 | 1840 | 16.4 | IMD3 |
|  | n77/n78 | 3400 | 10 | 50 | 3400 | N/A | N/A |
|  | 41 | 2580 | 5 | 25 | 2580 | N/A | N/A |
|  | n3 | 1720 | 5 | 25 | 1815 | N/A | N/A |
|  | n77/n78 | 3440 | 10 | 50 | 3440 | 16.8 | IMD34 |
| DC\_41A\_n28A-n77A  DC\_41C\_n28A-n77A  DC\_41A\_n28A-n78A  DC\_41C\_n28A-n78A | 41 | 2580 | 5 | 25 | 2580 | N/A | N/A |
|  | n28 | 743 | 5 | 25 | 798 | N/A | N/A |
|  | n77/n78 | 3323 | 10 | 50 | 3323 | 28.2 | IMD21 |
|  | 41 | 2642 | 5 | 25 | 2642 | N/A | N/A |
|  | n28 | 743 | 5 | 25 | 798 | 30.8 | IMD21 |
|  | n77/n78 | 3440 | 10 | 50 | 3440 | 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,  DC\_66A-66A\_n7A-n78  DC\_66A\_n7(2A)-n78A  DC\_66A-66A\_n7(2A)-n78A  DC\_66A\_n7A-n78(2A)  DC\_66A-66A\_n7A-n78(2A)  DC\_66A-66A\_n7(2A)-n78(2A) | 66 | 1730 | 5 | 25 | 2130 | 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 | N/A | N/A |
|  | n41 | 2685 | 10 | 50 | 2685 | N/A | N/A |
|  | n25 | 1860 | 5 | 25 | 1940 | 5 | 11.0 |
| DC\_66A\_n38A-n78A | 66 | 1760 | 5 | 25 | 2160 | N/A | N/A |
|  | n38 | 2610 | 5 | 25 | 2610 | N/A | N/A |
|  | n78 | 3460 | 10 | 50 | 3460 | 15.0 | IMD3 |
| DC\_66A\_n66A-n78A | 66 | 1775 | 5 | 25 | 2175 | N/A | N/A |
|  | n66 | 1725 | 5 | 25 | 2125 | 2.8 | IMD5 |
|  | 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 + DFHD) 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 |   NOTE 6: For NR band, UL/DL BW and UL LCRB can be adjusted according to the supported BW and lowest SCS supported by the UE. | | | | | | | |

***---------------------------<End of change7>------------------------------***