**3GPP TSG-RAN Meeting #108 *R4-2311940***

**Toulouse, France, 21th-25th, Aug, 2023**

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| *CR-Form-v12.2* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **38.101-3** | **CR** |  | **rev** |  | **Current version:** | **18.2.0** |  |
|  | | | | | | | | |
| *For* [***HE******LP***](http://www.3gpp.org/3G_Specs/CRs.htm#_blank)*on using this form: comprehensive instructions can be found at* [*http://www.3gpp.org/Change-Requests*](http://www.3gpp.org/Change-Requests)*.* | | | | | | | | |
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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ***Proposed change affects:*** | UICC apps |  | ME | **X** | Radio Access Network |  | Core Network |  |

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|  | | | | | | | | | | |
| ***Title:*** | Draft CR for TS38.101-3 Addition of inter-band ENDC Combinations with PC2 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | Samsung, KT corporation | | | | | | | | | |
| ***Source to TSG:*** | R4 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | HPUE\_FR1\_DC\_LTE\_NR\_R18-Core | | | | |  | ***Date:*** | | | 2023-08-10 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | B |  | | | | | ***Release:*** | | | Rel-18 |
|  | *Use one of the following categories:* ***F*** *(correction)* ***A*** *(mirror corresponding to a change in an earlier release)* ***B*** *(addition of feature),* ***C*** *(functional modification of feature)* ***D*** *(editorial modification)*  Detailed explanations of the above categories can be found in 3GPP [TR 21.900](http://www.3gpp.org/ftp/Specs/html-info/21900.htm). | | | | | | | | *Use one of the following releases: Rel-8 (Release 8) Rel-9 (Release 9) Rel-10 (Release 10) Rel-11 (Release 11) … Rel-16 (Release 16) Rel-17 (Release 17) Rel-18 (Release 18) Rel-19 (Release 19)* | |
|  |  | | | | | | | | | |
| ***Reason for change:*** | | The following inter-band EN-DC combinations with PC2 are needed based on operator request.   |  |  |  | | --- | --- | --- | | DL configuration | UL configuration (PC2) | Note on fallback | | DC\_8A\_n77(2A) | DC\_8A\_n77A | PC2 DC\_8A\_n77A is proposed in this meeting as R4-2311946 | | DC\_1A-3C\_n77A | DC\_1A\_n77A  DC\_3A\_n77A | All the PC2 fallback have been specified. | | DC\_1A-3C\_n77(2A) | DC\_1A\_n77A  DC\_3A\_n77A | The PC2 fallback DL\_1A-3C\_n77A with UL DC\_1A\_n77A and DC\_3A\_n77A is proposed together in this CR, other PC2 fallbacks have already been specified. | | DC\_3C\_n78A | DC\_3A\_n78A | The fallback PC2 DC\_3A\_n78A has already been specified, see clause 6 | | DC\_3C\_n78(2A) | DC\_3A\_n78A | The PC2 fallback DL\_3C\_n78A\_UL\_3A-n78A is proposed together in this CR. The fallback DL\_3A\_n78(2A)\_UL\_3A\_n78A has already been specified. | | DC\_8A\_n78(2A) | DC\_8A\_n78A | The PC2 fallback has already been specified | | DC\_1A-3C\_n78A | DC\_1A\_n78A  DC\_3A\_n78A | The fallback PC2 DC\_3C\_n78A is proposed in this CR, other fallbacks are specified. | | DC\_3C-8A\_n78A | DC\_3A\_n78A  DC\_8A\_n78A | The fallback PC2 DC\_3C\_n78A is proposed together in this CR. Other fallbacks are specified. | | DC\_1A-3C\_n78(2A) | DC\_1A\_n78A  DC\_3A\_n78A | The PC2 fallback DC\_1A-3A\_n78(2A) has already been specified, The PC2 fallback DC\_3C\_n78(2A) is proposed together in this CR. | | DC\_3A-8A\_n78(2A) | DC\_3A\_n78A  DC\_8A\_n78A | The fallback PC2 DC\_8A\_n78(2A) is proposed together in this CR. Other fallbacks have already been specified. | | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | Add the requested inter-band EN-DC combinations with PC2. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Consequences if not approved:*** | | The requested inter-band EN-DC combinations with PC2 are not included in current spec. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 5.5B.4.1, 5.5B.4.2, 7.3B.2.3.5 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **Y** | **N** |  | | | |  | | |
| ***Other specs*** | |  | **X** | Other core specifications | | | | TS/TR ... CR ... | | |
| ***affected:*** | | **X** |  | Test specifications | | | | TS/TR 38.521 CR ... | | |
| ***(show related CRs)*** | |  | **X** | O&M Specifications | | | | TS/TR ... CR ... | | |
|  | |  | | | | | | | | |
| ***Other comments:*** | |  | | | | | | | | |
|  | |  | | | | | | | | |
| ***This CR's revision history:*** | |  | | | | | | | | |

<<< START OF CHANGE >>>

#### 5.5B.4.1 Inter-band EN-DC configurations within FR1 (two bands)

Table 5.5B.4.1-1: Inter-band EN-DC configurations within FR1 (two bands)

| **EN-DC**  **configuration** | **Uplink EN-DC**  **configuration**  **(NOTE 1)** | **Single UL allowed** | **DL interruption allowed**  **(Note 14)** |
| --- | --- | --- | --- |
| DC\_1A\_n3A  DC\_1C\_n3A | DC\_1A\_n3A  DC\_1C\_n3A | DC\_1\_n3 |  |
| DC\_1A\_n5A | DC\_1A\_n5A | No |  |
| DC\_1A\_n7A  DC\_1A\_n7B | DC\_1A\_n7A  DC\_1A\_n7B | No |  |
| DC\_1A-1A\_n7A  DC\_1A-1A\_n7B | DC\_1A\_n7A | No |  |
| DC\_1A\_n8A | DC\_1A\_n8A | No |  |
| DC\_1A\_n20A | DC\_1A\_n20A | No |  |
| DC\_1A\_n28A | DC\_1A\_n28A | No |  |
| DC\_1A\_n26A | DC\_1A\_n26A | No |  |
| DC\_1A-1A\_n28A | DC\_1A\_n28A | No |  |
| DC\_1A\_n38A  DC\_1C\_n38A | DC\_1A\_n38A | No |  |
| DC\_1A\_n40A  DC\_1A\_n40B | DC\_1A\_n40A | No |  |
| DC\_1A\_n41A7 | DC\_1A\_n41A | No |  |
| DC\_1A\_n50A | DC\_1A\_n50A | No |  |
| DC\_1A\_n51A | DC\_1A\_n51A | No |  |
| DC\_1A\_n71A  DC\_1A\_n71B | DC\_1A\_n71A | No |  |
| DC\_1A\_n77A7  DC\_1A\_n77C7 | DC\_1A\_n77A | DC\_1\_n77 | No |
| DC\_1A\_n77(2A)7,21  DC\_1A\_n77(3A)7 | DC\_1A\_n77A21 | DC\_1\_n77 | No |
| DC\_1A\_n78A7  DC\_1A\_n78C7, 21 | DC\_1A\_n78A 21 | No | No |
| DC\_1A\_n78(2A)7,21  DC\_1A\_n78(A-C)7 | DC\_1A\_n78A21 | No | No |
| DC\_1A-1A\_n78A | DC\_1A\_n78A | No | No |
| DC\_1A\_n79A7  DC\_1A\_n79C7 | DC\_1A\_n79A | No | No |
| DC\_1A\_n105A | DC\_1A\_n105A | No |  |
| DC\_2A\_n5A | DC\_2A\_n5A | No |  |
| DC\_2A-2A\_n5A | DC\_2A\_n5A | No |  |
| DC\_2A\_n7A | DC\_2A\_n7A | No |  |
| DC\_2A\_n7(2A) | DC\_2A\_n7A | No |  |
| DC\_2A-2A\_n7A | DC\_2A\_n7A | No |  |
| DC\_2A\_n12A | DC\_2A\_n12A | No |  |
| DC\_2A\_n25A11, 13, 20 | N/A | N/A |  |
| DC\_2A\_n28A | DC\_2A\_n28A | No |  |
| DC\_2A\_n30A | DC\_2A\_n30A | No |  |
| DC\_2A-2A\_n30A | DC\_2A\_n30A | No |  |
| DC\_2A\_n38A | DC\_2A\_n38A | No |  |
| DC\_2A-2A\_n38A | DC\_2A\_n38A | No |  |
| DC\_2A\_n41A  DC\_2A\_n41C  DC\_2C\_n41A | DC\_2A\_n41A  DC\_2C\_n41A | No |  |
| DC\_2A\_n41(2A) | DC\_2A\_n41A | No |  |
| DC\_2A-2A\_n41A | DC\_2A\_n41A | No |  |
| DC\_2A\_n46A | DC\_2A\_n46A | No |  |
| DC\_2A\_n48A  DC\_2A\_n48B | DC\_2A\_n48A | No |  |
| DC\_2A\_n66A | DC\_2A\_n66A | DC\_2\_n66 |  |
| DC\_2A\_n66(2A) | DC\_2A\_n66A | DC\_2\_n66 |  |
| DC\_2A-2A\_n66A | DC\_2A\_n66A | DC\_2\_n66 |  |
| DC\_2A\_n71A  DC\_2A\_n71B  DC\_2C\_n71A | DC\_2A\_n71A | No |  |
| DC\_2A-2A\_n71A | DC\_2A\_n71A | No |  |
| DC\_2A\_n77A  DC\_2A\_n77C21 | DC\_2A\_n77A21 | DC\_2\_n77 |  |
| DC\_2A\_n77(2A) 21 | DC\_2A\_n77A21 | DC\_2\_n77 |  |
| DC\_2A-2A\_n77A21  DC\_2A-2A\_n77C21 | DC\_2A\_n77A21 | DC\_2\_n77 |  |
| DC\_2A-2A\_n77(2A) 21 | DC\_2A\_n77A21 | DC\_2\_n77 |  |
| DC\_2A\_n78A | DC\_2A\_n78A | DC\_2\_n78 |  |
| DC\_2A-2A\_n78(2A) | DC\_2A\_n78A | DC\_2\_n78 |  |
| DC\_2A\_n78(2A) | DC\_2A\_n78A | DC\_2\_n78 |  |
| DC\_2A-2A\_n78A | DC\_2A\_n78A | DC\_2\_n78 |  |
| DC\_3A\_n1A  DC\_3C\_n1A | DC\_3A\_n1A  DC\_3C\_n1A | DC\_3\_n1 |  |
| DC\_3A-3A\_n1A | DC\_3A\_n1A | DC\_3\_n1 |  |
| DC\_3A\_n5A  DC\_3C\_n5A | DC\_3A\_n5A | DC\_3\_n5 |  |
| DC\_3A\_n7A  DC\_3A\_n7B  DC\_3C\_n7A  DC\_3C\_n7B | DC\_3A\_n7A  DC\_3A\_n7B  DC\_3C\_n7A | No |  |
| DC\_3A-3A\_n7A  DC\_3A-3A\_n7B | DC\_3A\_n7A | No |  |
| DC\_3A\_n8A | DC\_3A\_n8A | No |  |
| DC\_3A-3A\_n8A | DC\_3A\_n8A | No |  |
| DC\_3A\_n20A  DC\_3C\_n20A | DC\_3A\_n20A | No |  |
| DC\_3A\_n26A  DC\_3C\_n26A | DC\_3A\_n26A  DC\_3C\_n26A | Yes |  |
| DC\_3A\_n28A  DC\_3C\_n28A | DC\_3A\_n28A  DC\_3C\_n28A | No |  |
| DC\_3A\_n34A | DC\_3A\_n34A | No |  |
| DC\_3A\_n38A  DC\_3C\_n38A | DC\_3A\_n38A | No |  |
| DC\_3A\_n40A  DC\_3A\_n40B | DC\_3A\_n40A | No |  |
| DC\_3A\_n41A7  DC\_3A\_n41C  DC\_3C\_n41A7 | DC\_3A\_n41A  DC\_3C\_n41A | DC\_3\_n41 | No |
| DC\_3A\_n50A | DC\_3A\_n50A | No |  |
| DC\_3A\_n51A | DC\_3A\_n51A | No |  |
| DC\_3A\_n71A  DC\_3A\_n71B | DC\_3A\_n71A | No |  |
| DC\_3A\_n77A7  DC\_3A\_n77C7  DC\_3C\_n77A7,21 | DC\_3A\_n77A21  DC\_3C\_n77A | DC\_3\_n77 | No |
| DC\_3A\_n77(2A)7,21  DC\_3A\_n77(3A)7  DC\_3C\_n77(2A)7,21 | DC\_3A\_n77A,21  DC\_3C\_n77A | DC\_3\_n77 | No |
| DC\_3A-3A\_n77A7 | DC\_3A\_n77A | DC\_3\_n77 | No |
| DC\_3A\_n78A7,21  DC\_3A\_n78C7  DC\_3C\_n78A7,21 | DC\_3A\_n78A21  DC\_3C\_n78A | DC\_3\_n78 | No |
| DC\_3A\_n78(2A)7,21  DC\_3A\_n78(A-C)7  DC\_3C\_n78(2A)7,21 | DC\_3A\_n78A,21  DC\_3C\_n78A | DC\_3\_n78 | No |
| DC\_3A-3A\_n78A7, 21 | DC\_3A\_n78A21 | DC\_3\_n78 | No |
| DC\_3A\_n79A7  DC\_3A\_n79C7  DC\_3C\_n79A7 | DC\_3A\_n79A  DC\_3C\_n79A | No | No |
| DC\_3A\_n105A | DC\_3A\_n105A | No |  |
| DC\_4A\_n2A | DC\_4A\_n2A | No |  |
| DC\_4A\_n5A | DC\_4A\_n5A | DC\_4\_n5 |  |
| DC\_4A\_n7A | DC\_4A\_n7A | No |  |
| DC\_4A\_n28A | DC\_4A\_n28A | No |  |
| DC\_4A\_n38A | DC\_4A\_n38A | No |  |
| DC\_4A\_n41A | DC\_4A\_n41A | No |  |
| DC\_4A\_n78A | DC\_4A\_n78A | No |  |
| DC\_4A\_n78(2A) | DC\_4A\_n78A | No |  |
| DC\_5A\_n1A | DC\_5A\_n1A | No |  |
| DC\_5A\_n2A  DC\_5B\_n2A | DC\_5A\_n2A | No |  |
| DC\_5A\_n2(2A) | DC\_5A\_n2A | No |  |
| DC\_5A-5A\_n2A | DC\_5A\_n2A | No |  |
| DC\_5A\_n3A | DC\_5A\_n3A | DC\_5\_n3 |  |
| DC\_5A\_n7A | DC\_5A\_n7A | DC\_5\_n7 |  |
| DC\_5A\_n7(2A) | DC\_5A\_n7A | DC\_5\_n7 |  |
| DC\_5A\_n12A | DC\_5A\_n12A | No |  |
| DC\_5A\_n25A | DC\_5A\_n25A | No |  |
| DC\_5A\_n30A | DC\_5A\_n30A | No |  |
| DC\_5A\_n38A | DC\_5A\_n38A | DC\_5\_n38 |  |
| DC\_5A\_n40A | DC\_5A\_n40A | No |  |
| DC\_5A\_n41A | DC\_5A\_n41A | No |  |
| DC\_5A\_n48A  DC\_5A\_n48B | DC\_5A\_n48A | No |  |
| DC\_5A\_n66A  DC\_5B\_n66A | DC\_5A\_n66A | DC\_5\_n66 |  |
| DC\_5A-5A\_n66A | DC\_5A\_n66A | DC\_5\_n66 |  |
| DC\_5A\_n77A  DC\_5A\_n77C21 | DC\_5A\_n77A21 | No |  |
| DC\_5A\_n77(2A) 21  DC\_5A\_n77(3A) | DC\_5A\_n77A21 | No |  |
| DC\_5A\_n71A | DC\_5A\_n71A | No |  |
| DC\_5A\_n78A7  DC\_5A\_n78C7 | DC\_5A\_n78A | No | No |
| DC\_5A\_n78(2A)7  DC\_5A\_n78(A-C)7 | DC\_5A\_n78A | No | No |
| DC\_5A\_n79A | DC\_5A\_n79A | No | No |
| DC\_7A\_n1A  DC\_7C\_n1A | DC\_7A\_n1A  DC\_7C\_n1A | No |  |
| DC\_7A-7A\_n1A | DC\_7A\_n1A | No |  |
| DC\_7A\_n2A  DC\_7C\_n2A | DC\_7A\_n2A | No |  |
| DC\_7A\_n2(2A) | DC\_7A\_n2A | No |  |
| DC\_7A\_n3A  DC\_7C\_n3A | DC\_7A\_n3A  DC\_7C\_n3A | No |  |
| DC\_7A\_n5A  DC\_7C\_n5A | DC\_7A\_n5A  DC\_7C\_n5A | DC\_7\_n5 |  |
| DC\_7A-7A\_n5A | DC\_7A\_n5A | DC\_7\_n5 |  |
| DC\_7A\_n8A | DC\_7A\_n8A | No |  |
| DC\_7A-7A\_n8A | DC\_7A\_n8A | No |  |
| DC\_7A\_n12A | DC\_7A\_n12A | No |  |
| DC\_7A-7A\_n78(2A)7 | DC\_7A\_n78A | No |  |
| DC\_7A\_n20A | DC\_7A\_n20A | No |  |
| DC\_7A\_n25A  DC\_7C\_n25A | DC\_7A\_n25A | No |  |
| DC\_7A\_n26A  DC\_7C\_n26A | DC\_7A\_n26A  DC\_7C\_n26A | Yes |  |
| DC\_7A-7A\_n25A | DC\_7A\_n25A | No |  |
| DC\_7A\_n28A  DC\_7C\_n28A | DC\_7A\_n28A  DC\_7C\_n28A | No |  |
| DC\_7A\_n40A | DC\_7A\_n40A | Yes |  |
| DC\_7A-7A\_n40A | DC\_7A\_n40A | Yes |  |
| DC\_7A-7A\_n28A | DC\_7A\_n28A | No |  |
| DC\_7A\_n51A | DC\_7A\_n51A | No |  |
| DC\_7A\_n66A  DC\_7C\_n66A | DC\_7A\_n66A | No |  |
| DC\_7A-7A\_n66A | DC\_7A\_n66A | No |  |
| DC\_7A\_n71A | DC\_7A\_n71A | No |  |
| DC\_7A\_n77A7  DC\_7C\_n77A | DC\_7A\_n77A | No |  |
| DC\_7A\_n77(2A)  DC\_7A\_n77(3A)  DC\_7C\_n77(2A) | DC\_7A\_n77A | No |  |
| DC\_7A-7A\_n77A7 | DC\_7A\_n77A | No |  |
| DC\_7A-7A\_n77(2A)  DC\_7A-7A\_n77(3A) | DC\_7A\_n77A | No |  |
| DC\_7A\_n78A7  DC\_7C\_n78A7  DC\_7A\_n78C7 | DC\_7A\_n78A  DC\_7C\_n78A | No |  |
| DC\_7A\_n78(2A)7  DC\_7A\_n78(A-C)7  DC\_7C\_n78(2A)7 | DC\_7A\_n78A  DC\_7C\_n78A | No |  |
| DC\_7A-7A\_n78A7, 21  DC\_7A-7A\_n78C7 | DC\_7A\_n78A21 | No |  |
| DC\_7A-7A\_n78(A-C)7 | DC\_7A\_n78A | No |  |
| DC\_7A\_n79A  DC\_7A\_n79C | DC\_7A\_n79A | No |  |
| DC\_7A\_n105A | DC\_7A\_n105A | No |  |
| DC\_8A\_n1A | DC\_8A\_n1A | No |  |
| DC\_8A\_n2A | DC\_8A\_n2A | DC\_8\_n2 |  |
| DC\_8A\_n3A | DC\_8A\_n3A | No |  |
| DC\_8A\_n7A | DC\_8A\_n7A | No |  |
| DC\_8A\_n20A | DC\_8A\_n20A | Yes |  |
| DC\_8A\_n28A | DC\_8A\_n28A | No |  |
| DC\_8A\_n34A | DC\_8A\_n34A | No |  |
| DC\_8A\_n38A | DC\_8A\_n38A | No |  |
| DC\_8A\_n39A | DC\_8A\_n39A | No |  |
| DC\_8A\_n40A7 | DC\_8A\_n40A | No |  |
| DC\_8A\_n41A7  DC\_8A\_n41C | DC\_8A\_n41A | No | No |
| DC\_8A\_n41(2A) | DC\_8A\_n41A | No | No |
| DC\_8A\_n77A7 | DC\_8A\_n77A | No | No |
| DC\_8A\_n77(2A)7,21  DC\_8A\_n77(3A)7 | DC\_8A\_n77A21 | No | No |
| DC\_8A\_n78A7  DC\_8B\_n78A7 | DC\_8A\_n78A  DC\_8B\_n78A | No | No |
| DC\_8A\_n78(2A)7,21 | DC\_8A\_n78A21 | No | No |
| DC\_8A\_n79A7  DC\_8A\_n79C | DC\_8A\_n79A  DC\_8A\_n79C | No | No |
| DC\_8A\_n93A | DC\_8A\_n93A\_ULSUP-TDM | N/A |  |
| DC\_8A\_n94A | DC\_8A\_n94A\_ULSUP-TDM | N/A |  |
| DC\_11A\_n1A | DC\_11A\_n1A | No |  |
| DC\_11A\_n3A | DC\_11A\_n3A | No |  |
| DC\_11A\_n28A | DC\_11A\_n28A | No |  |
| DC\_11A\_n41A7 | DC\_11A\_n41A | No |  |
| DC\_11A\_n77A7 | DC\_11A\_n77A | No | No |
| DC\_11A\_n77(2A)7  DC\_11A\_n77(3A)7 | DC\_11A\_n77A | No | No |
| DC\_11A\_n78A7 | DC\_11A\_n78A | No | No |
| DC\_11A\_n78(2A) | DC\_11A\_n78A | No | No |
| DC\_11A\_n79A7 | DC\_11A\_n79A | No |  |
| DC\_12A\_n2A | DC\_12A\_n2A | No |  |
| DC\_12A\_n2(2A) | DC\_12A\_n2A | No |  |
| DC\_12A\_n5A | DC\_12A\_n5A | No |  |
| DC\_12A\_n7A | DC\_12A\_n7A | No |  |
| DC\_12A\_n7(2A) | DC\_12A\_n7A | No |  |
| DC\_12A\_n25A | DC\_12A\_n25A | No |  |
| DC\_12A\_n30A | DC\_12A\_n30A | No |  |
| DC\_12A\_n38A | DC\_12A\_n38A | No |  |
| DC\_12A\_n41A | DC\_12A\_n41A | No |  |
| DC\_12A\_n66A | DC\_12A\_n66A | No |  |
| DC\_12A\_n66(2A) | DC\_12A\_n66A | No |  |
| DC\_12A\_n71A | DC\_12A\_n71A18,19 | DC\_12\_n71 |  |
| DC\_12A\_n77A | DC\_12A\_n77A | DC\_12\_n77 |  |
| DC\_12A\_n77(2A) 21 | DC\_12A\_n77A21 | DC\_12\_n77 |  |
| DC\_12A\_n78A | DC\_12A\_n78A | DC\_12\_n78 |  |
| DC\_12A\_n78(2A) | DC\_12A\_n78A | DC\_12\_n78 |  |
| DC\_13A\_n2A | DC\_13A\_n2A | No |  |
| DC\_13A\_n5A | DC\_13A\_n5A | DC\_13\_n5 |  |
| DC\_13A\_n7A | DC\_13A\_n7A | No |  |
| DC\_13A\_n7(2A) | DC\_13A\_n7A | No |  |
| DC\_13A\_n25A | DC\_13A\_n25A | No |  |
| DC\_13A\_n48A  DC\_13A\_n48B | DC\_13A\_n48A | No |  |
| DC\_13A\_n66A | DC\_13A\_n66A | No |  |
| DC\_13A\_n71A | DC\_13A\_n71A | No |  |
| DC\_13A\_n77A  DC\_13A\_n77C21 | DC\_13A\_n77A21 | No |  |
| DC\_13A\_n78A | DC\_13A\_n78A | No |  |
| DC\_13A\_n78(2A) | DC\_13A\_n78A | No |  |
| DC\_14A\_n2A | DC\_14A\_n2A | No |  |
| DC\_14A\_n5A | DC\_14A\_n5A | DC\_14\_n5 |  |
| DC\_14A\_n30A | DC\_14A\_n30A | No |  |
| DC\_14A\_n66A | DC\_14A\_n66A | No |  |
| DC\_14A\_n77A | DC\_14A\_n77A | No |  |
| DC\_14A\_n77(2A) 21 | DC\_14A\_n77A21 | No |  |
| DC\_18A\_n3A | DC\_18A\_n3A | No |  |
| DC\_18A\_n28A | DC\_18A\_n28A | No |  |
| DC\_18A\_n41A16 | DC\_18A\_n41A | No |  |
| DC\_18A\_n77A7  DC\_18A\_n77(2A)7 | DC\_18A\_n77A | No | No |
| DC\_18A\_n78A7 | DC\_18A\_n78A | No | No |
| DC\_18A\_n78(2A)7 | DC\_18A\_n78A | No | No |
| DC\_20A\_n91A | DC\_20A\_n91A\_ULSUP-TDM | N/A |  |
| DC\_20A\_n92A | DC\_20A\_n92A\_ULSUP-TDM | N/A |  |
| DC\_18A\_n79A7 | DC\_18A\_n79A | No |  |
| DC\_19A\_n1A | DC\_19A\_n1A | No |  |
| DC\_19A\_n77A7  DC\_19A\_n77C7 | DC\_19A\_n77A | No |  |
| DC\_19A\_n77(2A)7, 21 | DC\_19A\_n77A, 21 | No |  |
| DC\_19A\_n78A7  DC\_19A\_n78C7 | DC\_19A\_n78A | No | No |
| DC\_19A\_n78(2A)7, 21 | DC\_19A\_n78A, 21 | No | No |
| DC\_19A\_n79A7  DC\_19A\_n79C7 | DC\_19A\_n79A | No | No |
| DC\_20A\_n1A | DC\_20A\_n1A | No |  |
| DC\_20A\_n3A | DC\_20A\_n3A | No |  |
| DC\_20A\_n7A | DC\_20A\_n7A | DC\_20\_n7 |  |
| DC\_20A\_n8A | DC\_20A\_n8A | DC\_20\_n8 |  |
| DC\_20A\_n28A8,11,13 | DC\_20A\_n28A | No |  |
| DC\_20A\_n38A | DC\_20A\_n38A | No |  |
| DC\_20A\_n41A | DC\_20A\_n41A | DC\_20\_n41 |  |
| DC\_20A\_n50A | DC\_20A\_n50A | No |  |
| DC\_20A\_n51A | DC\_20A\_n51A | No |  |
| DC\_20A\_n77A7 | DC\_20A\_n77A | No |  |
| DC\_20A\_n78A7  DC\_20A\_n78C7 | DC\_20A\_n78A | No |  |
| DC\_20A\_n78(2A)7 | DC\_20A\_n78A | No |  |
| DC\_21A\_n1A | DC\_21A\_n1A | No |  |
| DC\_21A\_n28A17 | DC\_21A\_n28A | DC\_21\_n28 |  |
| DC\_21A\_n77A7  DC\_21A\_n77C7 | DC\_21A\_n77A | No |  |
| DC\_21A\_n77(2A)7,21 | DC\_21A\_n77A,21 | No |  |
| DC\_21A\_n78A7  DC\_21A\_n78C7 | DC\_21A\_n78A | No | No |
| DC\_21A\_n78(2A)7,21 | DC\_21A\_n78A,21 | No | No |
| DC\_21A\_n79A7  DC\_21A\_n79C7 | DC\_21A\_n79A | No | No |
| DC\_25A\_n41A | DC\_25A\_n41A | No |  |
| DC\_25A-25A\_n41A | DC\_25A\_n41A | No |  |
| DC\_25A\_n77A | DC\_25A\_n77A | DC\_25\_n77 |  |
| DC\_25A-25A\_n77A | DC\_25A\_n77A | DC\_25\_n77 |  |
| DC\_25A\_n78A | DC\_25A\_n78A | DC\_25\_n78 |  |
| DC\_25A-25A\_n78A | DC\_25A\_n78A | DC\_25\_n78 |  |
| DC\_26A\_n25A | DC\_26A\_n25A | No |  |
| DC\_26A\_n41A | DC\_26A\_n41A | No |  |
| DC\_26A\_n77A7 | DC\_26A\_n77A | No |  |
| DC\_26A\_n78A7  DC\_26A\_n78A7 | DC\_26A\_n78A | No |  |
| DC\_26A\_n78(2A) | DC\_26A\_n78A | No |  |
| DC\_26A\_n79A7 | DC\_26A\_n79A | No |  |
| DC\_28A\_n1A | DC\_28A\_n1A | No |  |
| DC\_28A\_n2A | DC\_28A\_n2A | No |  |
| DC\_28A\_n3A | DC\_28A\_n3A | No |  |
| DC\_28A\_n5A | DC\_28A\_n5A | No |  |
| DC\_28A\_n7A  DC\_28A\_n7B | DC\_28A\_n7A  DC\_28A\_n7B | No |  |
| DC\_28A\_n51A | DC\_28A\_n51A | No |  |
| DC\_28A\_n8A | DC\_28A\_n8A | No |  |
| DC\_28A\_n20A8,11,13 | DC\_28A\_n20A | No |  |
| DC\_28A\_n38A | DC\_28A\_n38A | No |  |
| DC\_28A\_n40A | DC\_28A\_n40A | No |  |
| DC\_28A\_n41A7 | DC\_28A\_n41A | No |  |
| DC\_28A\_n50A | DC\_28A\_n50A | No |  |
| DC\_28A\_n66A | DC\_28A\_n66A | No |  |
| DC\_28A\_n77A7  DC\_28A\_n77C7 | DC\_28A\_n77A | No | No |
| DC\_28A\_n77(2A)7 | DC\_28A\_n77A | No | No |
| DC\_28A\_n78A7  DC\_28A\_n78C7 | DC\_28A\_n78A | No | No |
| DC\_28A\_n78(2A)7 | DC\_28A\_n78A | No | No |
| DC\_28A\_n79A7  DC\_28A\_n79C7 | DC\_28A\_n79A | No |  |
| DC\_30A\_n2A | DC\_30A\_n2A | No |  |
| DC\_30A\_n5A | DC\_30A\_n5A | No |  |
| DC\_30A\_n66A | DC\_30A\_n66A | No |  |
| DC\_30A\_n77A | DC\_30A\_n77A | No |  |
| DC\_30A\_n77(2A) 21 | DC\_30A\_n77A21 | No |  |
| DC\_38A\_n1A | DC\_38A\_n1A | No |  |
| DC\_38A\_n3A | DC\_38A\_n3A | No |  |
| DC\_38A\_n8A | DC\_38A\_n8A | No |  |
| DC\_38A\_n28A | DC\_38A\_n28A | No |  |
| DC\_38A\_n78A7 | DC\_38A\_n78A | No |  |
| DC\_38A\_n79A  DC\_38A\_n79C | DC\_38A\_n79A | No |  |
| DC\_39A\_n40A3 | DC\_39A\_n40A | No |  |
| DC\_39A\_n41A3  DC\_39C\_n41A3  DC\_39A\_n41C3 | DC\_39A\_n41A  DC\_39C\_n41A | No | No |
| DC\_39A\_n78A5,7 | DC\_39A\_n78A | No |  |
| DC\_39A\_n79A7  DC\_39A\_n79C7 | DC\_39A\_n79A | No | No |
| DC\_40A\_n1A  DC\_40C\_n1A | DC\_40A\_n1A | No |  |
| DC\_40A\_n41A3  DC\_40A\_n41C3  DC\_40C\_n41A3 | DC\_40A\_n41A | No |  |
| DC\_40A\_n41(2A)3 | DC\_40A\_n41A | No |  |
| DC\_40A\_n77A  DC\_40A\_n77C | DC\_40A\_n77A | No |  |
| DC\_40A\_n78A  DC\_40C\_n78A | DC\_40A\_n78A  DC\_40C\_n78A | No |  |
| DC\_40A\_n78(2A)  DC\_40C\_n78(2A) | DC\_40A\_n78A  DC\_40C\_n78A | No |  |
| DC\_40A\_n79A7,12  DC\_40A\_n79C7,12  DC\_40C\_n79A7,12 | DC\_40A\_n79A | No | No |
| DC\_41A\_n1A  DC\_41C\_n1A | DC\_41A\_n1A  DC\_41C\_n1A | No | DC\_41A\_n1A  DC\_41C\_n1A |
| DC\_41A\_n3A7  DC\_41C\_n3A7 | DC\_41A\_n3A  DC\_41C\_n3A | No |  |
| DC\_41A\_n28A7  DC\_41C\_n28A7 | DC\_41A\_n28A  DC\_41C\_n28A | No |  |
| DC\_41A\_n77A  DC\_41C\_n77A | DC\_41A\_n77A  DC\_41C\_n77A | No |  |
| DC\_41A\_n77(2A)  DC\_41C\_n77(2A) | DC\_41A\_n77A  DC\_41C\_n77A | No |  |
| DC\_41A\_n78A  DC\_41C\_n78A  DC\_41D\_n78A | DC\_41A\_n78A  DC\_41C\_n78A | No |  |
| DC\_41A\_n78(2A)  DC\_41C\_n78(2A) | DC\_41A\_n78A  DC\_41C\_n78A | No |  |
| DC\_41A\_n79A6,7  DC\_41A\_n79C6,7  DC\_41C\_n79A6,7 | DC\_41A\_n79A  DC\_41C\_n79A | No | No |
| DC\_42A\_n1A7  DC\_42C\_n1A7 | DC\_42A\_n1A  DC\_42C\_n1A | No |  |
| DC\_42A\_n3A**7**  DC\_42C\_n3A7 | DC\_42A\_n3A  DC\_42C\_n3A | DC\_42\_n3 |  |
| DC\_42A\_n28A7  DC\_42C\_n28A7 | DC\_42A\_n28A  DC\_42C\_n28A | No |  |
| DC\_42A\_n51A | DC\_42A\_n51A | No |  |
| DC\_42A\_n77A3,4,9,11  DC\_42A\_n77C3,4,9,11  DC\_42C\_n77A3,4,9,11  DC\_42C\_n77C3,4,9,11  DC\_42D\_n77A3,4,9,11  DC\_42D\_n77C  DC\_42E\_n77A3,4,9,11  DC\_42E\_n77C | N/A | N/A |  |
| DC\_42A\_n77(2A)3,4,9,11  DC\_42C\_n77(2A)3,4,9,11 | N/A | N/A |  |
| DC\_42A\_n78A3,4,9,11  DC\_42A\_n78C3,4,9,11  DC\_42C\_n78A3,4,9,11  DC\_42C\_n78C3,4,9,11  DC\_42D\_n78A3,4,9,11  DC\_42D\_n78C3,4,9,11  DC\_42E\_n78A3,4,9,11  DC\_42E\_n78C3,4,9,11 | N/A | N/A |  |
| DC\_42A\_n79A9,15  DC\_42A\_n79C9,15  DC\_42C\_n79A9,15  DC\_42C\_n79C9,15  DC\_42D\_n79A9,15  DC\_42D\_n79C9,15  DC\_42E\_n79A9,15  DC\_42E\_n79C9,15 | N/A | N/A |  |
| DC\_46A\_n77A2 | N/A | N/A |  |
| DC\_46A\_n78A2  DC\_46C\_n78A2  DC\_46D\_n78A2  DC\_46E\_n78A2 | N/A | N/A |  |
| DC\_48A\_n2A  DC\_48C\_n2A  DC\_48D\_n2A  DC\_48E\_n2A | DC\_48A\_n2A | No |  |
| DC\_48A\_n5A  DC\_48C\_n5A  DC\_48D\_n5A  DC\_48E\_n5A | DC\_48A\_n5A | No |  |
| DC\_48A\_n12A | DC\_48A\_n12A | No |  |
| DC\_48A\_n25A  DC\_48C\_n25A  DC\_48D\_n25A | DC\_48A\_n25A | No |  |
| DC\_48A\_n46A  DC\_48B\_n46A  DC\_48C\_n46A  DC\_48D\_n46A  DC\_48E\_n46A  DC\_48A\_n46B  DC\_48B\_n46B  DC\_48C\_n46B  DC\_48D\_n46B  DC\_48E\_n46B  DC\_48A\_n46C  DC\_48B\_n46C  DC\_48C\_n46C  DC\_48D\_n46C  DC\_48E\_n46C  DC\_48A\_n46D  DC\_48B\_n46D  DC\_48C\_n46D  DC\_48D\_n46D  DC\_48E\_n46D | DC\_48A\_n46A  DC\_48B\_n46A | No |  |
| DC\_48A\_n66A  DC\_48C\_n66A  DC\_48D\_n66A  DC\_48E\_n66A | DC\_48A\_n66A | No |  |
| DC\_48A\_n71A  DC\_48B\_n71A  DC\_48C\_n71A  DC\_48D\_n71A | DC\_48A\_n71A | No |  |
| DC\_48A-48A\_n71A  DC\_48A-48A-48A\_n71A | DC\_48A\_n71A | No |  |
| DC\_48A\_n77A3. 4. 9, 11  DC\_48C\_n77A3. 4. 9, 11  DC\_48A\_n77C3. 4. 9, 11  DC\_48C\_n77C3. 4. 9, 11  DC\_48D\_n77A3. 4. 9, 11  DC\_48D\_n77C3. 4. 9, 11  DC\_48E\_n77A3. 4. 9, 11 | N/A | N/A |  |
| DC\_48A-48A\_n77A | N/A | N/A |  |
| DC\_48A-48A-48A\_n77A | N/A | N/A |  |
| DC\_66A\_n2A  DC\_66B\_n2A  DC\_66C\_n2A | DC\_66A\_n2A | DC\_66\_n2 |  |
| DC\_66A\_n2(2A) | DC\_66A\_n2A | DC\_66\_n2 |  |
| DC\_66A-66A\_n2A | DC\_66A\_n2A | DC\_66\_n2 |  |
| DC\_66A-66A-66A\_n2A | DC\_66A\_n2A | DC\_66\_n2 |  |
| DC\_66A\_n5A  DC\_66B\_n5A  DC\_66C\_n5A | DC\_66A\_n5A | DC\_66\_n5 |  |
| DC\_66A-66A\_n5A | DC\_66A\_n5A | DC\_66\_n5 |  |
| DC\_66A-66A-66A\_n5A | DC\_66A\_n5A | DC\_66\_n5 |  |
| DC\_66A\_n7A | DC\_66A\_n7A | No |  |
| DC\_66A\_n7(2A) | DC\_66A\_n7A | No |  |
| DC\_66A-66A\_n7A | DC\_66A\_n7A | No |  |
| DC\_66A-66A\_n7(2A) | DC\_66A\_n7A | No |  |
| DC\_66A\_n12A | DC\_66A\_n12A | No |  |
| DC\_66A\_n25A | DC\_66A\_n25A | DC\_66\_n25 |  |
| DC\_66A\_n28A | DC\_66A\_n28A | No |  |
| DC\_66A\_n30A | DC\_66A\_n30A | No |  |
| DC\_66A-66A\_n30A | DC\_66A\_n30A | No |  |
| DC\_66A\_n38A | DC\_66A\_n38A | No |  |
| DC\_66A-66A\_n38A | DC\_66A\_n38A | No |  |
| DC\_66A\_n41A  DC\_66A\_n41C | DC\_66A\_n41A | No |  |
| DC\_66A\_n41(2A) | DC\_66A\_n41A | No |  |
| DC\_66A\_n46A | DC\_66A\_n46A | No |  |
| DC\_66A\_n48A  DC\_66A\_n48B | DC\_66A\_n48A | No |  |
| DC\_66A-66A\_n48A  DC\_66A-66A\_n48B | DC\_66A\_n48A | No |  |
| DC\_66A\_n71A  DC\_66C\_n71A  DC\_66A\_n71B | DC\_66A\_n71A | No |  |
| DC\_66A-66A\_n71A | DC\_66A\_n71A | No |  |
| DC\_66A\_n77A  DC\_66A\_n77C21 | DC\_66A\_n77A21 | DC\_66\_n77 |  |
| DC\_66A\_n77(2A) 21 | DC\_66A\_n77A21 | DC\_66\_n77 |  |
| DC\_66A-66A\_n77A21  DC\_66A-66A\_n77C21 | DC\_66A\_n77A21 | DC\_66\_n77 |  |
| DC\_66A-66A\_n77(2A) 21 | DC\_66A\_n77A21 | DC\_66\_n77 |  |
| DC\_66A-66A-66A\_n77A21  DC\_66A-66A-66A\_n77C21 | DC\_66A\_n77A21 | DC\_66\_n77 |  |
| DC\_66A-66A-66A\_n77(2A)21 | DC\_66A\_n77A21 | DC\_66\_n77 |  |
| DC\_66A\_n78A | DC\_66A\_n78A | No |  |
| DC\_66A\_n78(2A) | DC\_66A\_n78A | No |  |
| DC\_66A-66A\_n78A | DC\_66A\_n78A | No |  |
| DC\_66A-66A\_n78(2A) | DC\_66A\_n78A | No |  |
| DC\_71A\_n2A | DC\_71A\_n2A | No |  |
| DC\_71A\_n2(2A) | DC\_71A\_n2A | No |  |
| DC\_71A\_n5A | DC\_71A\_n5A | No |  |
| DC\_71A\_n12A | DC\_71A\_n12A18,19 | Yes |  |
| DC\_71A\_n38A | DC\_71A\_n38A | No |  |
| DC\_71A\_n7A | DC\_71A\_n7A | No |  |
| DC\_71A\_n25A | DC\_71A\_n7A | No |  |
| DC\_71A\_n41A | DC\_71A\_n41A | No |  |
| DC\_71A\_n48A | DC\_71A\_n48A | No |  |
| DC\_71A\_n66A | DC\_71A\_n66A | No |  |
| DC\_71A\_n77A  DC\_71A\_n77C | DC\_71A\_n77A | No |  |
| DC\_71A\_n77(2A) | DC\_71A\_n77A | No |  |
| DC\_71A\_n78A | DC\_71A\_n78A | No |  |
| DC\_71A\_n78(2A) | DC\_71A\_n78A | No |  |
| NOTE 1: Uplink EN-DC configurations are the configurations supported by the present release of specifications.  NOTE 2: 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 3: The minimum requirements apply only when there is non-simultaneous Tx/Rx operation between E-UTRA and NR carriers. This restriction applies also for these carriers when applicable EN-DC configuration is part of a higher order EN-DC configuration.  NOTE 4: For UEs not indicating *interBandMRDC-WithOverlapDL-Bands-r16*, the minimum requirements for intra-band non-contiguous EN-DC apply for the Band 42/48 and Band n77/n78 combination. For UEs not indicating *interBandMRDC-WithOverlapDL-Bands-r16*, when UE capability *interBandContiguousMRDC* is indicated, the minimum requirements for intra-band-contiguous EN-DC also should be met in addtion to intra-band non-contiguous EN-DC*.* The intra-band requirements also apply for these carriers when applicable EN-DC configuration is a subset of a higher order EN-DC configuration.  NOTE 5: The frequency range above 3600 MHz for Band n78 is not used in this combination.  NOTE 6: The frequency range below 2506 MHz for Band 41 is not used in this combination.  NOTE 7: Applicable for UE supporting inter-band EN-DC with mandatory simultaneous Rx/Tx capability.  NOTE 8: The frequency range in band n28 / 28 is restricted for this band combination to 703 - 733 MHz for the UL and 758-788 MHz for the DL. This restriction also apply for any band combinations when DC\_20\_n28/ DC\_28\_n20/ CA\_20-28/ CA\_n20-n28 is a subset of a higher order band combination.  NOTE 9: The combination is not used alone as fall back mode of other band combinations in which UL in Band 42 or Band 48 is not used.  NOTE 10: Void.  NOTE 11: For UEs not indicating *interBandMRDC-WithOverlapDL-Bands-r16*, the minimum requirements for apply when the maximum power spectral density imbalance between downlink carriers is within 6 dB. For UEs indicating interBandMRDC-WithOverlapDL-Bands-r16, the power imbalance requirement defined in clause 7.6B.2.6 apply. For these UEs, the power spectral density imbalance condition also applies for these carriers when applicable EN-DC configuration is a subset of a higher order EN-DC configuration.  NOTE 12: Applicable for frequency range above 4800 MHz for Band n79 in this combination.  NOTE 13: For UEs not indicating *interBandMRDC-WithOverlapDL-Bands-r16*, the minimum requirements apply for synchronized DL carriers with a maximum receive time difference ≤ 3 usec. The requirements also apply for these carriers when applicable EN-DC configuration is a subset of a higher order EN-DC configuration.  NOTE 14: Applicable when dynamic switching between two uplink carriers is conducted. The DL interruption requirements for NR DL carrier(s) and E-UTRA DL carrier(s) are specified in clause 8.2.1.2.14 of 38.133 [15] and clause 7.32.2.12 of 36.133 [16] respectively.  NOTE 15: Simultaneous Rx/Tx capability does not apply for UEs supporting band 42 with a n77 implementation only. Same restrictions are applied to related higher order configurations.  NOTE 16: The frequency range in band n41 is restricted for this band combination to 2595 – 2645 MHz.  NOTE 17: The frequency range in band n28 is restricted for this band combination to 728 - 738 MHz for the UL and 783 - 793 MHz for the DL. This restriction applies also for these band combinations when applicable EN-DC configuration is part of a higher order EN-DC configuration.  NOTE 18: Only single switched UL is supported.  NOTE 19: The implementation with 4 antennas is targeted for FWA form factor for this band combination.  NOTE 20: The combination is not used alone as fallback mode of other band combinations in which UL in Band 2 is not used.  NOTE 21: For this DC configuration, reference sensitivity exceptions for Power Class 2, if allowed, are specified in Clause 7.3B.2.3. If the uplink EN-DC configuration supported in Table 6.2B.1.3-1 is applicable to the same EN-DC configuration, the note is not shown as the reference sensitivity exceptions, if any, have been confirmed.  NOTE 22: The PC2 Uplink EN-DC configuration supported in Table 6.2B.1.3-1 is applicable to the same EN-DC configuration without additional indication of NOTE 21. | | | |

<<< NEXT CHANGE >>>

#### 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\_n1A | DC\_1A\_n1A2  DC\_3A\_n1A |
| DC\_1A-3A\_n3A | DC\_1A\_n3A  DC\_3A\_n3A2 |
| DC\_1A-(n)3AA | DC\_1A\_n3A |
| DC\_1A-3A\_n5A  DC\_1A-3C\_n5A | DC\_1A\_n5A  DC\_3A\_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\_n7A  DC\_3A\_n7A  DC\_3C\_n7A |
| DC\_1A-3A-3A\_n7A  DC\_1A-3A-3A\_n7B | DC\_1A\_n7A  DC\_3A\_n7A |
| DC\_1A-1A-3A-3A\_n7A  DC\_1A-1A-3A-3A\_n7B | DC\_1A\_n7A  DC\_3A\_n7A |
| DC\_1A-3A\_n8A | DC\_1A\_n8A  DC\_3A\_n8A |
| DC\_1A-3A\_n26A  DC\_1A-3C\_n26A | DC\_1A\_n26A  DC\_3A\_n26A |
| DC\_1A-3A\_n28A  DC\_1A-3C\_n28A | DC\_1A\_n28A  DC\_3A\_n28A |
| DC\_1A-1A-3A\_n28A  DC\_1A-1A-3C\_n28A | DC\_1A\_n28A  DC\_3A\_n28A |
| DC\_1A\_n3A-n28A | DC\_1A\_n3A  DC\_1A\_n28A |
| DC\_1A-3A\_n38A | DC\_1A\_n38A  DC\_3A\_n38A |
| DC\_1A\_n3A-n38A | DC\_1A\_n3A  DC\_1A\_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\_n3A-n41A5 | DC\_1A\_n3A  DC\_1A\_n41A |
| DC\_1A-3A\_n71A  DC\_1A-3A\_n71B | DC\_1A\_n71A  DC\_3A\_n71A |
| DC\_1A-3A\_n77A5, 14  DC\_1A-3A\_n77C5  DC\_1A-3C\_n77A5,14 | DC\_1A\_n77A14  DC\_3A\_n77A14  DC\_3C\_n77A |
| DC\_1A-3A\_n77(2A)5,14  DC\_1A-3C\_n77(2A)5,14 | DC\_1A\_n77A14  DC\_3A\_n77A14  DC\_3C\_n77A |
| DC\_1A-3A\_n77(3A)5 | DC\_1A\_n77A  DC\_3A\_n77A |
| DC\_1A-3A\_n78A5,14  DC\_1A-3A\_n78C5  DC\_1A-3C\_n78A5,14 | DC\_1A\_n78A14  DC\_3A\_n78A14  DC\_3C\_n78A |
| DC\_1A-3A\_n78(2A)514  DC\_1A-3C\_n78(2A)5,14 | DC\_1A\_n78A14  DC\_3A\_n78A14  DC\_3C\_n78A |
| DC\_1A-3A\_n78(A-C)5 | DC\_1A\_n78A  DC\_3A\_n78A |
| DC\_1A-1A-3A\_n78A  DC\_1A-1A-3C\_n78A | DC\_1A\_n78A  DC\_3A\_n78A  DC\_3C\_n78A |
| DC\_1A\_n3A-n8A | DC\_1A\_n3A  DC\_1A\_n8A |
| DC\_1A\_n3A-n75A | DC\_1A\_n3A |
| DC\_1A\_n3A-n77A5 | DC\_1A\_n3A  DC\_1A\_n77A |
| DC\_1A\_n3A-n77(2A) 5 | DC\_1A\_n3A  DC\_1A\_n77A |
| DC\_1A\_n3A-n78A5 | DC\_1A\_n3A  DC\_1A\_n78A |
| DC\_1A\_n3A-n78(2A)5 | DC\_1A\_n3A  DC\_1A\_n78A |
| DC\_1A\_n3A-n79A | DC\_1A\_n3A  DC\_1A\_n79A |
| DC\_1A-3A\_n79A5,14  DC\_1A-3A\_n79C5 | DC\_1A\_n79A14  DC\_3A\_n79A14 |
| DC\_1A-3A\_n105A | DC\_1A\_n105A  DC\_3A\_n105A |
| DC\_1A-5A\_n40A | DC\_1A\_n40A  DC\_5A\_n40A |
| DC\_1A\_n5A-n40A | DC\_1A\_n5A  DC\_1A\_n40A |
| DC\_1A-5A\_n77A | DC\_1A\_n77A  DC\_5A\_n77A |
| DC\_1A-5A\_n77(2A)  DC\_1A-5A\_n77(3A) | DC\_1A\_n77A  DC\_5A\_n77A |
| DC\_1A-5A\_n78A5  DC\_1A-5A\_n78C5 | DC\_1A\_n78A  DC\_5A\_n78A |
| DC\_1A-5A\_n78(2A)5 | DC\_1A\_n78A  DC\_5A\_n78A |
| DC\_1A-5A\_n78(A-C)5 | DC\_1A\_n78A  DC\_5A\_n78A |
| DC\_1A-1A-5A\_n78A | 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\_n1A | DC\_1A\_n1A  DC\_7A\_n1A |
| 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-(n)7AA | DC\_1A\_n7A |
| DC\_1A-7A\_n8A | DC\_1A\_n8A  DC\_7A\_n8A |
| DC\_1A-7A\_n20A | DC\_1A\_n20A  DC\_7A\_n20A |
| DC\_1A-7A\_n26A | DC\_1A\_n26A  DC\_7A\_n26A |
| DC\_1A-7C\_n26A | DC\_1A\_n26A  DC\_7A\_n26A  DC\_7C\_n26A |
| DC\_1A-7A\_n28A5  DC\_1A-7C\_n28A5 | DC\_1A\_n28A  DC\_7A\_n28A  DC\_7C\_n28A |
| DC\_1A-1A-7A\_n28A | DC\_1A\_n28A  DC\_7A\_n28A |
| DC\_1A-7A-7A\_n28A | DC\_1A\_n28A  DC\_7A\_n28A |
| DC\_1A-7A\_n40A | DC\_1A\_n40A  DC\_7A\_n40A |
| DC\_1A-7A-7A\_n40A | DC\_1A\_n40A  DC\_7A\_n40A |
| DC\_1A-7A\_n77A | DC\_1A\_n77A  DC\_7A\_n77A |
| DC\_1A-7A\_n77(2A)  DC\_1A-7A\_n77(3A) | DC\_1A\_n77A  DC\_7A\_n77A |
| DC\_1A-7A-7A\_n77A | DC\_1A\_n77A  DC\_7A\_n77A |
| DC\_1A-7A-7A\_n77(2A)  DC\_1A-7A-7A\_n77(3A) | DC\_1A\_n77A  DC\_7A\_n77A |
| DC\_1A-7A\_n78A5  DC\_1A-7C\_n78A5  DC\_1A-7A\_n78C5 | 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\_n78(A-C)5 | DC\_1A\_n78A  DC\_7A\_n78A |
| DC\_1A-1A-7A\_n78A | DC\_1A\_n78A  DC\_7A\_n78A |
| DC\_1A-7A-7A\_n78A5  DC\_1A-7A-7A\_n78C5 | DC\_1A\_n78A  DC\_7A\_n78A |
| DC\_1A-7A-7A\_n78(2A)5 | DC\_1A\_n78A  DC\_7A\_n78A |
| DC\_1A-7A-7A\_n78(A-C)5 | DC\_1A\_n78A  DC\_7A\_n78A |
| DC\_1A\_n7A-n78A  DC\_1A\_n7B-n78A | DC\_1A\_n7A  DC\_1A\_n78A |
| DC\_1A\_n7A-n78(2A) | DC\_1A\_n7A  DC\_1A\_n78A |
| DC\_1A-7A\_n105A | DC\_1A\_n105A  DC\_7A\_n105A |
| DC\_1A-8A\_n3A | DC\_1A\_n3A  DC\_8A\_n3A |
| DC\_1A-8A\_n7A | DC\_8A\_n7A  DC\_1A\_n7A |
| DC\_1A-8A\_n20A | DC\_1A\_n20A  DC\_8A\_n20A |
| DC\_1A-8A\_n28A | DC\_1A\_n28A  DC\_8A\_n28A |
| DC\_1A-8A\_n40A | DC\_1A\_n40A  DC\_8A\_n40A |
| 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\_n8A-n77A | DC\_1A\_n8A  DC\_1A\_n77A |
| DC\_1A\_n8A-n77(2A) | DC\_1A\_n8A  DC\_1A\_n77A |
| DC\_1A-8A\_n77(3A)5 | DC\_1A\_n77A  DC\_8A\_n77A |
| DC\_1A-8A\_n78A5 | DC\_1A\_n78A  DC\_8A\_n78A |
| DC\_1A-8A\_n78(2A)5 | 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\_n28A | DC\_1A\_n28A  DC\_11A\_n28A |
| DC\_1A-11A\_n41A5 | DC\_1A\_n41A  DC\_11A\_n41A |
| 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\_n77(3A)5 | DC\_1A\_n77A  DC\_11A\_n77A |
| DC\_1A-11A\_n78A5 | DC\_1A\_n78A  DC\_11A\_n78A |
| DC\_1A-11A\_n78(2A)5 | DC\_1A\_n78A  DC\_11A\_n78A |
| DC\_1A-11A\_n79A5 | DC\_1A\_n79A  DC\_11A\_n79A |
| DC\_1A-18A\_n3A | DC\_1A\_n3A  DC\_18A\_n3A |
| DC\_1A-18A\_n28A | DC\_1A\_n28A  DC\_18A\_n28A |
| DC\_1A-18A\_n41A | DC\_1A\_n41A  DC\_18A\_n41A |
| DC\_1A-18A\_n77A5 | DC\_1A\_n77A  DC\_18A\_n77A |
| DC\_1A-18A\_n77(2A)5 | DC\_1A\_n77A  DC\_18A\_n77A |
| DC\_1A-18A\_n78A5 | DC\_1A\_n78A  DC\_18A\_n78A |
| DC\_1A-18A\_n78(2A)5 | DC\_1A\_n78A  DC\_18A\_n78A |
| DC\_1A-18A\_n79A | DC\_1A\_n79A  DC\_18A\_n79A |
| DC\_1A-19A\_n77A5,14  DC\_1A-19A\_n77C5 | DC\_1A\_n77A14  DC\_19A\_n77A14 |
| DC\_1A-19A\_n77(2A)5,14 | DC\_1A\_n77A14  DC\_19A\_n77A14 |
| DC\_1A-19A\_n78A5  DC\_1A-19A\_n78C5 | DC\_1A\_n78A14  DC\_19A\_n78A14 |
| DC\_1A-19A\_n78(2A)5 | DC\_1A\_n78A14  DC\_19A\_n78A14 |
| DC\_1A-19A\_n79A514  DC\_1A-19A\_n79C5 | DC\_1A\_n79A14  DC\_19A\_n79A14 |
| DC\_1A-20A\_n1A | DC\_1A\_n1A2  DC\_20A\_n1A |
| DC\_1A-20A\_n3A  DC\_1C-20A\_n3A | DC\_1A\_n3A  DC\_20A\_n3A |
| DC\_1A-20A\_n7A | DC\_1A\_n7A  DC\_20A\_n7A |
| DC\_1A-20A\_n8A | DC\_1A\_n8A  DC\_20A\_n8A |
| DC\_1A-20A\_n28A | 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-20A\_n78C5 | DC\_1A\_n78A  DC\_20A\_n78A |
| DC\_1A-20A\_n78(2A)5 | DC\_1A\_n78A  DC\_20A\_n78A |
| DC\_1A-21A\_n28A13 | DC\_1A\_n28A  DC\_21A\_n28A |
| DC\_1A-21A\_n77A5, 14  DC\_1A-21A\_n77C5, 14 | DC\_1A\_n77A14  DC\_21A\_n77A14 |
| DC\_1A-21A\_n77(2A)5,14 | DC\_1A\_n77A14  DC\_21A\_n77A14 |
| DC\_1A-21A\_n78A5,14  DC\_1A-21A\_n78C5 | DC\_1A\_n78A14  DC\_21A\_n78A14 |
| DC\_1A-21A\_n78(2A)5,14 | DC\_1A\_n78A14  DC\_21A\_n78A14 |
| DC\_1A-21A\_n79A5,14  DC\_1A-21A\_n79C5 | DC\_1A\_n79A14  DC\_21A\_n79A14 |
| DC\_1A-26A\_n78A  DC\_1A-26A\_n78(2A) | DC\_1A\_n78A  DC\_26A\_n78A |
| DC\_1A-26A\_n78(2A) | DC\_1A\_n78A  DC\_26A\_n78A |
| DC\_1A\_n26A-n78A | DC\_1A\_n26A DC\_1A\_n78A |
| DC\_1A-28A\_n3A | DC\_1A\_n3A  DC\_28A\_n3A |
| DC\_1A-28A\_n5A6 | DC\_1A\_n5A  DC\_28A\_n5A |
| DC\_1A-28A\_n7A  DC\_1A-28A\_n7B | DC\_1A\_n7A  DC\_28A\_n7A  DC\_1A\_n7B  DC\_28A\_n7B |
| DC\_1A-1A-28A\_n7A  DC\_1A-1A-28A\_n7B | DC\_1A\_n7A  DC\_28A\_n7A  DC\_1A\_n7B  DC\_28A\_n7B |
| DC\_1A-28A\_n20A22 | DC\_1A\_n20A  DC\_28A\_n20A22 |
| DC\_1A-28A\_n38A | DC\_1A\_n38A  DC\_28A\_n38A |
| DC\_1A\_n28A-n40A | DC\_1A\_n28A  DC\_1A\_n40A |
| DC\_1A-28A\_n40A | DC\_1A\_n40A  DC\_28A\_n40A |
| DC\_1A\_n28A-n41A5 | DC\_1A\_n28A  DC\_1A\_n41A |
| DC\_1A\_n28A-n75A | DC\_1A\_n28A |
| DC\_1A-28A\_n77A5  DC\_1A-28A\_n77C5 | DC\_1A\_n77A  DC\_28A\_n77A |
| DC\_1A-28A\_n78A5  DC\_1A-28A\_n78C5  DC\_1A-28A\_n78(2A)5 | DC\_1A\_n78A  DC\_28A\_n78A |
| DC\_1A-1A-28A\_n78A | DC\_1A\_n78A  DC\_28A\_n78A |
| DC\_1A-28A\_n78(2A) | DC\_1A\_n78A  DC\_28A\_n78A |
| DC\_1A\_n28A-n77A5 | DC\_1A\_n28A  DC\_1A\_n77A |
| DC\_1A\_n28A-n77(2A)5 | DC\_1A\_n28A  DC\_1A\_n77A |
| DC\_1A\_n28A-n78A5 | DC\_1A\_n28A  DC\_1A\_n78A |
| DC\_1A\_n28A-n78(2A)5 | DC\_1A\_n28A  DC\_1A\_n78A |
| DC\_1A-28A\_n79A5  DC\_1A-28A\_n79C5 | DC\_1A\_n79A  DC\_28A\_n79A |
| DC\_1A\_n28A-n79A5 | DC\_1A\_n28A  DC\_1A\_n79A |
| DC\_1A-32A\_n3A | DC\_1A\_n3A |
| DC\_1A-32A\_n8A | DC\_1A\_n8A |
| DC\_1A-32A\_n28A | DC\_1A\_n28A |
| DC\_1A-32A\_n78A  DC\_1A-32A\_n78C | DC\_1A\_n78A |
| DC\_1A-32A\_n78(2A) | DC\_1A\_n78A |
| DC\_1A-38A\_n3A | DC\_1A\_n3A |
| DC\_1A-38A\_n8A | DC\_1A\_n8A  DC\_38A\_n8A |
| DC\_1A-38A\_n28A | DC\_1A\_n28A  DC\_38A\_n28A |
| DC\_1A-(n)38AA | DC\_1A\_n38A |
| DC\_1A\_n38A-n78A | DC\_1A\_n38A  DC\_1A\_n78A |
| DC\_1A-38A\_n78A | DC\_1A\_n78A |
| DC\_1A-38A\_n78(2A) | DC\_1A\_n78A |
| DC\_1A\_n40A-n77A | DC\_1A\_n40A  DC\_1A\_n77A |
| DC\_1A\_n40A-n77(2A) | DC\_1A\_n40A  DC\_1A\_n77A |
| DC\_1A-40A\_n78A  DC\_1A-40C\_n78A | DC\_1A\_n78A  DC\_40A\_n78A |
| DC\_1A-40A\_n78(2A)  DC\_1A-40C\_n78(2A) | DC\_1A\_n78A  DC\_40A\_n78A |
| DC\_1A\_n40A-n78A  DC\_1A\_n40A-n78C | DC\_1A\_n40A  DC\_1A\_n78A |
| DC\_1A\_n40A-n78(2A) | DC\_1A\_n40A  DC\_1A\_n78A |
| DC\_1A-41A\_n3A5  DC\_1A-41C\_n3A5 | DC\_1A\_n3A  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\_41C\_n77A |
| DC\_1A-41A\_n77(2A)  DC\_1A-41C\_n77(2A) | DC\_1A\_n77A  DC\_41A\_n77A  DC\_41C\_n77A |
| DC\_1A\_n41A-n77A | DC\_1A\_n41A  DC\_1A\_n77A |
| DC\_1A\_n41A-n77(2A) | DC\_1A\_n41A  DC\_1A\_n77A |
| DC\_1A-41A\_n78A  DC\_1A-41C\_n78A | DC\_1A\_n78A  DC\_41A\_n78A  DC\_41C\_n78A |
| DC\_1A\_n41A-n78A | DC\_1A\_n41A  DC\_1A\_n78A |
| DC\_1A\_n41A-n78(2A) | 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\_n3A5 | DC\_1A\_n3A  DC\_42A\_n3A |
| DC\_1A-42C\_n3A5 | DC\_1A\_n3A  DC\_42A\_n3A  DC\_42C\_n3A |
| 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\_n77A14, 15,16  DC\_1A-42A\_n77C15,16  DC\_1A-42C\_n77A14, 15,16  DC\_1A-42C\_n77C15,16  DC\_1A-42D\_n77A14, 15,16  DC\_1A-42D\_n77C15,16  DC\_1A-42E\_n77A14, 15,16  DC\_1A-42E\_n77C15,16 | DC\_1A\_n77A14, |
| DC\_1A-42A\_n77(2A)15,16  DC\_1A-42C\_n77(2A)15,16 | DC\_1A\_n77A |
| DC\_1A-42A\_n78A14,15,16  DC\_1A-42A\_n78C15,16  DC\_1A-42C\_n78A14,15,16  DC\_1A-42C\_n78C15,16  DC\_1A-42D\_n78A14,15,16  DC\_1A-42D\_n78C15,16  DC\_1A-42E\_n78A14,15,16  DC\_1A-42E\_n78C15,16 | DC\_1A\_n78A14 |
| DC\_1A-42A\_n79A14  DC\_1A-42A\_n79C  DC\_1A-42C\_n79A14  DC\_1A-42C\_n79C  DC\_1A-42D\_n79A14  DC\_1A-42D\_n79C  DC\_1A-42E\_n79A14  DC\_1A-42E\_n79C | DC\_1A\_n79A14 |
| DC\_1A\_n75A-n78A | DC\_1A\_n78A |
| DC\_1A\_n75A-n78(2A) | DC\_1A\_n78A |
| DC\_1A\_n77A-n79A14, 23 | DC\_1A\_n77A14  DC\_1A\_n79A14 |
| DC\_1A\_n77(2A)-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-n79A14, 24 | DC\_1A\_n78A14  DC\_1A\_n79A14 |
| 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\_1A\_n78A-n105A | DC\_1A\_n78A  DC\_1A\_n105A |
| DC\_2A\_n2A-n38A | DC\_2A\_n38A |
| DC\_2A\_n2A-n41A | DC\_2A\_n41A |
| DC\_2A\_n2A-n66A | DC\_2A\_n66A |
| DC\_2A\_n2A-n71A | DC\_2A\_n71A |
| DC\_2A\_n2A-n77A14  DC\_2A\_n2A-n77C14 | DC\_2A\_n77A14 |
| DC\_2A\_n2A-n78A | DC\_2A\_n78A |
| DC\_2A-4A\_n28A | DC\_2A\_n28A  DC\_4A\_n28A |
| DC\_2A-4A\_n38A | DC\_2A\_n38A  DC\_4A\_n38A |
| DC\_2A-4A\_n41A | DC\_2A\_n41A  DC\_4A\_n41A |
| DC\_2A-4A\_n78A | DC\_2A\_n78A  DC\_4A\_n78A |
| DC\_2A-5A\_n2A | DC\_5A\_n2A  DC\_2A\_n2A2 |
| 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-(n)5AA | DC\_2A\_n5A  DC\_(n)5AA2 |
| DC\_2A-2A-(n)5AA | DC\_2A\_n5A  DC\_(n)5AA2 |
| DC\_2A-5A\_n7A | DC\_2A\_n7A  DC\_5A\_n7A |
| DC\_2A-5A\_n12A | DC\_2A\_n12A DC\_5A\_n12A |
| DC\_2A-5A\_n30A | DC\_2A\_n30A  DC\_5A\_n30A |
| DC\_2A-2A-5A\_n30A | DC\_2A\_n30A  DC\_5A\_n30A |
| DC\_2A-5A\_n48A  DC\_2A-5A\_n48B | DC\_2A\_n48A  DC\_5A\_n48A |
| DC\_2A-5A\_n66A  DC\_2A-5B\_n66A | DC\_2A\_n66A  DC\_5A\_n66A |
| DC\_2A-5A-5A\_n66A  DC\_2A-2A-5A\_n66A | DC\_2A\_n66A  DC\_5A\_n66A |
| DC\_2A-5A\_n71A | DC\_2A\_n71A  DC\_5A\_n71A |
| DC\_2A-5A\_n77A14  DC\_2A-5A\_n77C14 | DC\_2A\_n77A14  DC\_5A\_n77A14 |
| DC\_2A-5A\_n77(2A)14 | DC\_2A\_n77A14  DC\_5A\_n77A14 |
| DC\_2A-2A-5A\_n77A14  DC\_2A-2A-5A\_n77C14 | DC\_2A\_n77A14  DC\_5A\_n77A14 |
| DC\_2A-2A-5A\_n77(2A)14 | DC\_2A\_n77A14  DC\_5A\_n77A14 |
| DC\_2A-5A\_n78A | DC\_2A\_n78A  DC\_5A\_n78A |
| DC\_2A-5A\_n78(2A) | DC\_2A\_n78A  DC\_5A\_n78A |
| DC\_2A-7A\_n2A | DC\_7A\_n2A |
| DC\_2A-7A\_n5A  DC\_2A-7C\_n5A | DC\_2A\_n5A  DC\_7A\_n5A |
| DC\_2A-7A-7A\_n5A | DC\_2A\_n5A  DC\_7A\_n5A |
| DC\_2A-7A\_n7A | DC\_2A\_n7A DC\_7A\_n7A2 |
| DC\_2A-7A\_n25A15, 16  DC\_2A-7A-7A\_n25A15, 16  DC\_2A-7C\_n25A15, 16 | DC\_7A\_n25A |
| DC\_2A-7A\_n28A  DC\_2A-7C\_n28A | DC\_2A\_n28A  DC\_7A\_n28A |
| DC\_2A\_n5A-n77A14  DC\_2A-2A\_n5A-n77A14  DC\_2A\_n5A-n77C14  DC\_2A-2A\_n5A-n77C14 | DC\_2A\_n5A  DC\_2A\_n77A14 |
| DC\_2A-7A\_n66A  DC\_2A-7C\_n66A | DC\_2A\_n66A  DC\_7A\_n66A |
| DC\_2A-2A-7C\_n66A | DC\_2A\_n66A  DC\_7A\_n66A |
| DC\_2A-7A-7A\_n66A | DC\_2A\_n66A  DC\_7A\_n66A |
| DC\_2A-2A-7A\_n66A | DC\_2A\_n66A  DC\_7A\_n66A |
| DC\_2A-2A-7A-7A\_n66A | DC\_2A\_n66A  DC\_7A\_n66A |
| DC\_2A\_n7A-n66A | DC\_2A\_n7A  DC\_7A\_n66A |
| DC\_2A\_n7(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\_n77A  DC\_2A-7C\_n77A | DC\_2A\_n77A  DC\_7A\_n77A |
| DC\_2A-7A-7A\_n77A | DC\_2A\_n77A  DC\_7A\_n77A |
| DC\_2A-7A\_n77(2A)  DC\_2A-7C\_n77(2A) | DC\_2A\_n77A  DC\_7A\_n77A |
| DC\_2A-7A-7A\_n77(2A) | DC\_2A\_n77A  DC\_7A\_n77A |
| DC\_2A-7A\_n78A  DC\_2A-7C\_n78A | DC\_2A\_n78A  DC\_7A\_n78A  DC\_7C\_n78A |
| DC\_2A-7A\_n78(2A)  DC\_2A-7C\_n78(2A) | DC\_2A\_n78A  DC\_7A\_n78A  DC\_7C\_n78A |
| DC\_2A-2A-7A\_n78A | DC\_2A\_n78A  DC\_7A\_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\_n78A  DC\_7A\_n78A |
| DC\_2A-7A-7A\_n78(2A) | DC\_2A\_n78A  DC\_7A\_n78A |
| DC\_2A-8A\_n2A | DC\_2A\_n2A2  DC\_8A\_n2A |
| DC\_2A-12A\_n2A | DC\_12A\_n2A |
| DC\_2A-12A\_n5A | DC\_2A\_n5A  DC\_12A\_n5A |
| DC\_2A-2A-12A\_n5A | DC\_2A\_n5A  DC\_12A\_n5A |
| DC\_2A-12A\_n7A | DC\_2A\_n7A  DC\_12A\_n7A |
| DC\_2A-12A\_n7(2A) | DC\_2A\_n7A  DC\_12A\_n7A |
| DC\_2A-(n)12AA | DC\_2A\_n12A  DC\_(n)12AA2 |
| DC\_2A-12A\_n30A | DC\_2A\_n30A  DC\_12A\_n30A |
| DC\_2A-2A-12A\_n30A | DC\_2A\_n30A  DC\_12A\_n30A |
| DC\_2A-12A\_n41A | DC\_2A\_n41A  DC\_12A\_n41A |
| DC\_2A-2A-12A\_n41A | DC\_2A\_n41A  DC\_12A\_n41A |
| DC\_2A-12A\_n66A | DC\_2A\_n66A  DC\_12A\_n66A |
| DC\_2A-2A-12A\_n66A | DC\_2A\_n66A  DC\_12A\_n66A |
| DC\_2A-12A\_n77A14  DC\_2A-2A-12A\_n77A14 | DC\_2A\_n77A14  DC\_12A\_n77A14 |
| DC\_2A-12A\_n77(2A) 14  DC\_2A-2A-12A\_n77(2A) 14 | DC\_2A\_n77A14  DC\_12A\_n77A14 |
| DC\_2A\_n12A-n77A | DC\_2A\_n77A  DC\_2A\_n12A |
| DC\_2A-13A\_n2A | DC\_13A\_n2A |
| DC\_2A-12A\_n78A | DC\_2A\_n78A  DC\_12A\_n78A |
| DC\_2A-12A\_n78(2A) | DC\_2A\_n78A  DC\_12A\_n78A |
| DC\_2A-2A-12A\_n78A | DC\_2A\_n78A  DC\_12A\_n78A |
| DC\_2A-13A\_n5A | DC\_2A\_n5A |
| DC\_2A-2A-13A\_n5A | DC\_2A\_n5A |
| DC\_2A-13A\_n25A16,20 | DC\_13A\_n25A |
| DC\_2A-13A\_n48A  DC\_2A-13A\_n48B | DC\_2A\_n48A  DC\_13A\_n48A |
| DC\_2A-13A\_n66A | DC\_2A\_n66A  DC\_13A\_n66A |
| DC\_2A-2A-13A\_n66A | DC\_2A\_n66A  DC\_13A\_n66A |
| DC\_2A-13A\_n77A14  DC\_2A-13A\_n77C14  DC\_2A-2A-13A\_n77C14 | DC\_2A\_n77A14  DC\_13A\_n77A14 |
| DC\_2A-2A-13A\_n77A | DC\_2A\_n77A14  DC\_13A\_n77A14 |
| DC\_2A-14A\_n2A | DC\_2A\_n2A2  DC\_14A\_n2A |
| DC\_2A-14A\_n5A | DC\_2A\_n5A  DC\_14A\_n5A |
| DC\_2A-2A-14A\_n5A | DC\_2A\_n5A  DC\_14A\_n5A |
| DC\_2A-14A\_n30A | DC\_2A\_n30A  DC\_14A\_n30A |
| DC\_2A-2A-14A\_n30A | DC\_2A\_n30A  DC\_14A\_n30A |
| DC\_2A-14A\_n66A | DC\_2A\_n66A  DC\_14A\_n66A |
| DC\_2A-2A-14A\_n66A | DC\_2A\_n66A  DC\_14A\_n66A |
| DC\_2A-14A\_n77A14  DC\_2A-2A-14A\_n77A14 | DC\_2A\_n77A14  DC\_14A\_n77A14 |
| DC\_2A-14A\_n77(2A) 14  DC\_2A-2A-14A\_n77(2A) 14 | DC\_2A\_n77A14  DC\_14A\_n77A14 |
| DC\_2A\_n25A-n66A | DC\_2A\_n66A |
| DC\_2A-28A\_n7A | DC\_2A\_n7A  DC\_28A\_n7A |
| DC\_2A-28A\_n66A | DC\_2A\_n66A  DC\_28A\_n66A |
| DC\_2A-28A\_n78A | DC\_2A\_n78A  DC\_28A\_n78A |
| DC\_2A-28A\_n78(2A) | DC\_2A\_n78A  DC\_28A\_n78A |
| DC\_2A-29A\_n30A | DC\_2A\_n30A |
| DC\_2A-2A-29A\_n30A | DC\_2A\_n30A |
| DC\_2A-29A\_n66A | DC\_2A\_n66A |
| DC\_2A-2A-29A\_n66A | DC\_2A\_n66A |
| DC\_2A-29A\_n77A14  DC\_2A-2A-29A\_n77A14 | DC\_2A\_n77A14 |
| DC\_2A-29A\_n78A | DC\_2A\_n78A |
| DC\_2A-30A\_n5A | DC\_2A\_n5A  DC\_30A\_n5A |
| DC\_2A-30A\_n2A | DC\_2A\_n2A2  DC\_30A\_n2A |
| 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-30A\_n77A14  DC\_2A-2A-30A\_n77A14 | DC\_2A\_n77A14  DC\_30A\_n77A14 |
| DC\_2A-30A\_n77(2A) 14  DC\_2A-2A-30A\_n77(2A) 14 | DC\_2A\_n77A14  DC\_30A\_n77A14 |
| DC\_2A\_n38A-n66A | DC\_2A\_n38A  DC\_2A\_n66A |
| DC\_2A\_n38A-n71A | DC\_2A\_n38A  DC\_2A\_n71A |
| DC\_2A-38A\_n78A | DC\_2A\_n78A  DC\_38A\_n78A |
| 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-2A\_n41A-n71A | DC\_2A\_n41A  DC\_2A\_n71A |
| DC\_2A\_n41(2A)-n71A | DC\_2A\_n41A  DC\_2A\_n71A |
| DC\_2A-46A\_n2A3  DC\_2A-46C\_n2A3  DC\_2A-46D\_n2A3  DC\_2A-46E\_n2A3 | DC\_2A\_n2A2 |
| DC\_2A-46A\_n5A3  DC\_2A-46C\_n5A3  DC\_2A-46D\_n5A3  DC\_2A-46E\_n5A3  DC\_2A-2A-46A\_n5A3  DC\_2A-2A-46C\_n5A3  DC\_2A-2A-46D\_n5A3 | DC\_2A\_n5A |
| 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-46E\_n66A | DC\_2A\_n66A |
| DC\_2A-46A\_n71A  DC\_2A-46C\_n71A  DC\_2A-46D\_n71A | DC\_2A\_n71A |
| DC\_2A-46A\_n77A | DC\_2A\_n77A |
| DC\_2A-46A-46A\_n77A | DC\_2A\_n77A |
| DC\_2A-48A\_n2A  DC\_2A-48C\_n2A  DC\_2A-48D\_n2A  DC\_2A-48E\_n2A | DC\_2A\_n2A2  DC\_48A\_n2A21 |
| DC\_2A-48A\_n5A | DC\_2A\_n5A  DC\_48A\_n5A |
| DC\_2A-48C\_n5A  DC\_2A-48D\_n5A  DC\_2A-48E\_n5A | DC\_2A\_n5A |
| DC\_2A\_n48A-n66A | DC\_2A\_n48A  DC\_2A\_n66A |
| DC\_2A-48A\_n71A | DC\_2A\_n71A  DC\_48A\_n71A |
| DC\_2A-48A\_n12A | DC\_2A\_n12A  DC\_48A\_n12A |
| DC\_2A-48A\_n48A | DC\_2A\_n48A |
| DC\_2A-48A\_n66A  DC\_2A-48C\_n66A  DC\_2A-48D\_n66A  DC\_2A-48E\_n66A | DC\_2A\_n66A  DC\_48A\_n66A |
| DC\_2A-48A\_n77A14,15,16 | DC\_2A\_n77A14 |
| DC\_2A-48A-48A\_n77A14,15,16 | DC\_2A\_n77A  DC\_48A\_n77A |
| DC\_2A-48A-48A-48A\_n77A14,15,16 | DC\_2A\_n77A  DC\_48A\_n77A |
| DC\_2A-48C\_n77A14,15,16  DC\_2A-48D\_n77A14,15,16  DC\_2A-48E\_n77A14,15,16  DC\_2A-48A\_n77C14,15,16  DC\_2A-48C\_n77C14,15,16  DC\_2A-48D\_n77C14,15,16 | DC\_2A\_n77A14 |
| DC\_2A-66A\_n2A | DC\_2A\_n2A2  DC\_66A\_n2A |
| DC\_2A-66A-66A\_n2A | DC\_66A\_n2A |
| DC\_2A-66A\_n5A  DC\_2A-66B\_n5A | DC\_2A\_n5A  DC\_66A\_n5A |
| DC\_2A-2A-66A\_n5A | DC\_2A\_n5A  DC\_66A\_n5A |
| DC\_2A-66A-66A\_n5A | DC\_2A\_n5A  DC\_66A\_n5A |
| DC\_2A-2A-66A-66A\_n5A | DC\_2A\_n5A  DC\_66A\_n5A |
| DC\_2A-66A-66A-66A\_n5A | DC\_2A\_n5A  DC\_66A\_n5A |
| DC\_2A-66A\_n7A | DC\_2A\_n7A  DC\_66A\_n7A |
| DC\_2A-66A-66A\_n7A | DC\_2A\_n7A  DC\_66A\_n7A |
| DC\_2A-66A\_n12A | DC\_2A\_n12A  DC\_66A\_n12A |
| DC\_2A-66A\_n25A16,20 | DC\_66A\_n25A |
| DC\_2A-66A\_n28A | DC\_2A\_n28A  DC\_66A\_n28A |
| DC\_2A-66A\_n30A | DC\_2A\_n30A  DC\_66A\_n30A |
| DC\_2A-2A-66A\_n30A | DC\_2A\_n30A  DC\_66A\_n30A |
| DC\_2A-66A-66A\_n30A | DC\_2A\_n30A  DC\_66A\_n30A |
| DC\_2A-2A-66A-66A\_n30A | DC\_2A\_n30A  DC\_66A\_n30A |
| DC\_2A-66A\_n38A | DC\_2A\_n38A  DC\_66A\_n38A |
| DC\_2A-2A-66A\_n38A | DC\_2A\_n38A  DC\_66A\_n38A |
| DC\_2A-66A-66A\_n38A | DC\_2A\_n38A  DC\_66A\_n38A |
| DC\_2A-66A\_n41A14  DC\_2A-66A\_n41C  DC\_2C-66A\_n41A | DC\_2A\_n41A  DC\_66A\_n41A14 |
| DC\_2A-66A\_n41(2A) | DC\_2A\_n41A  DC\_66A\_n41A |
| DC\_2A-2A-66A\_n41A | 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-66A-66A\_n66A  DC\_2A-66B\_n66A | DC\_2A\_n66A  DC\_66A\_n66A2 |
| DC\_2A-(n)66AA | DC\_2A\_n66A |
| DC\_2A-2A-66A\_n66A | DC\_2A\_n66A  DC\_66A\_n66A2 |
| DC\_2A-2A-66A-66A\_n66A | DC\_2A\_n66A |
| 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\_n71A  DC\_66A\_n71A |
| DC\_2A-66A-66A\_n71A | DC\_2A\_n71A  DC\_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-2A\_n66A-n71A | DC\_2A\_n66A  DC\_2A\_n71A |
| DC\_2A-66A\_n77A14  DC\_2A-66A\_n77C14 | DC\_2A\_n77A14  DC\_66A\_n77A14 |
| DC\_2A-66A\_n77(2A)14 | DC\_2A\_n77A14  DC\_66A\_n77A14 |
| DC\_2A-2A-66A\_n77A14  DC\_2A-2A-66A\_n77C14 | DC\_2A\_n77A14  DC\_66A\_n77A14 |
| DC\_2A-2A-66A\_n77(2A) 14 | DC\_2A\_n77A14  DC\_66A\_n77A14 |
| DC\_2A-66A-66A\_n77A14  DC\_2A-66A-66A\_n77C14 | DC\_2A\_n77A14  DC\_66A\_n77A14 |
| DC\_2A-66A-66A\_n77(2A) 14 | DC\_2A\_ n77A14  DC\_66A\_ n77A14 |
| DC\_2A-2A-66A-66A\_n77A14  DC\_2A-2A-66A-66A\_n77C14 | DC\_2A\_n77A14  DC\_66A\_n77A14 |
| DC\_2A\_n66A-n77A14  DC\_2A\_n66A-n77C14  DC\_2A-2A\_n66A-n77A14  DC\_2A-2A\_n66A-n77C14 | DC\_2A\_n77A14  DC\_2A\_n66A |
| DC\_2A-66A\_n78A  DC\_2A-2A-66A\_n78A | DC\_2A\_n78A  DC\_66A\_n78A |
| DC\_2A-66A\_n78(2A) | DC\_2A\_n78A  DC\_66A\_n78A |
| DC\_2A\_n66A-n78A  DC\_2A-2A\_n66A-n78A | DC\_2A\_n66A  DC\_2A\_n78A |
| DC\_2A\_n66A-n78(2A) | DC\_2A\_n66A  DC\_2A\_n78A |
| DC\_2A\_n66(2A)-n78A | DC\_2A\_n66A  DC\_2A\_n78A |
| DC\_2A\_n66(2A)-n78(2A) | DC\_2A\_n66A  DC\_2A\_n78A |
| DC\_2A-66A-66A\_n78A | DC\_2A\_n78A  DC\_66A\_n78A |
| DC\_2A-66A-66A\_n78(2A) | DC\_2A\_n78A  DC\_66A\_n78A |
| DC\_2A-71A\_n2A | DC\_71A\_n2A |
| DC\_2A-71A\_n7A | DC\_2A\_n7A  DC\_71A\_n7A |
| DC\_2A-71A\_n38A | DC\_71A\_n38A  DC\_2A\_n38A |
| DC\_2A-2A-71A\_n38A | DC\_71A\_n38A  DC\_2A\_n38A |
| DC\_2A-71A\_n41A | DC\_2A\_n41A  DC\_71A\_n41A |
| DC\_2A-2A-71A\_n41A | DC\_2A\_n41A  DC\_71A\_n41A |
| DC\_2A-71A\_n66A | DC\_2A\_n66A  DC\_71A\_n66A |
| DC\_2A-2A-71A\_n66A | DC\_2A\_n66A  DC\_71A\_n66A |
| DC\_2A-71A\_n71A | DC\_2A\_n71A |
| DC\_2A-71A\_n77A | DC\_2A\_n77A  DC\_71A\_n77A |
| DC\_2A-71A\_n77(2A) | DC\_2A\_n77A  DC\_71A\_n77A |
| DC\_2A\_n71A-n77A | DC\_2A\_n71A  DC\_2A\_n77A |
| DC\_2A-2A\_n71A-n77A | DC\_2A\_n71A  DC\_2A\_n77A |
| DC\_2A-71A\_n77(2A) | DC\_2A\_n71A |
|  | DC\_2A\_n77A |
| DC\_2A-71A\_n78A | DC\_71A\_n78A  DC\_2A\_n78A |
| DC\_2A-71A\_n78(2A) | DC\_71A\_n78A  DC\_2A\_n78A |
| DC\_2A-2A-71A\_n78A | DC\_71A\_n78A  DC\_2A\_n78A |
| DC\_2A\_n71A-n78A | DC\_2A\_n71A  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-n8A | DC\_3A\_n1A  DC\_3A\_n8A |
| DC\_3A-3A\_n1A-n8A | DC\_3A\_n1A  DC\_3A\_n8A |
| DC\_3A\_n1A-n28A | DC\_3A\_n1A  DC\_3A\_n28A |
| DC\_3C\_n1A-n28A | DC\_3A\_n1A  DC\_3A\_n28A  DC\_3C\_n1A |
| DC\_3A\_n1A-n38A | DC\_3A\_n1A DC\_3A\_n38A |
| DC\_3A\_n1A-n40A | DC\_3A\_n1A  DC\_3A\_n40A |
| DC\_3A\_n1A-n41A | DC\_3A\_n1A DC\_3A\_n41A |
| DC\_3A\_n1A-n75A | DC\_3A\_n1A |
| DC\_3C\_n1A-n75A | DC\_3C\_n1A |
| DC\_3A\_n1A-n77A5 | DC\_3A\_n1A  DC\_3A\_n77A |
| DC\_3A\_n1A-n78A5 14  DC\_3C\_n1A-n78A5 | DC\_3A\_n1A  DC\_3C\_n1A  DC\_3A\_n78A14  DC\_3C\_n78A |
| DC\_3A\_n1A-n78(2A)5  DC\_3C\_n1A-n78(2A)5 | DC\_3A\_n1A  DC\_3C\_n1A  DC\_3A\_n78A  DC\_3C\_n78A |
| DC\_3A-3A\_n1A-n78A5 | DC\_3A\_n1A  DC\_3A\_n78A |
| DC\_3A\_n1A-n79A5 | DC\_3A\_n1A  DC\_3A\_n79A |
| DC\_(n)3AA-n7A | DC\_(n)3AA2  DC\_3A\_n7A |
| DC\_3A\_n3A-n7A | DC\_3A\_n3A2 DC\_3A\_n7A |
| DC\_(n)3AA-n8A | DC\_(n)3AA2 DC\_3A\_n8A |
| DC\_(n)3AA-n28A | DC\_(n)3AA2  DC\_3A\_n28A |
| DC\_3A\_n3A-n28A | DC\_3A\_n3A2 DC\_3A\_n28A |
| DC\_3A\_n3A-n41A | DC\_3A\_n41A  DC\_3A\_n3A2 |
| DC\_(n)3AA-n67A | DC\_(n)3AA2 |
| DC\_3A\_n3A-n67A | DC\_3A\_n3A2 |
| DC\_3A\_n3A-n77A5 | DC\_3A\_n77A  DC\_3A\_n3A2 |
| DC\_(n)3AA-n77A | DC\_(n)3AA2 DC\_3A\_n77A |
| DC\_(n)3AA-n77(2A) | DC\_(n)3AA2 DC\_3A\_n77A |
| DC\_(n)3AA-n78A | DC\_(n)3AA1  DC\_3A\_n78A |
| DC\_(n)3AA-n78(2A) | DC\_(n)3AA1  DC\_3A\_n78A |
| DC\_3A\_n3A-n78A5 | DC\_3A\_n78A  DC\_3A\_n3A2 |
| DC\_3A-5A\_n40A | DC\_3A\_n40A  DC\_5A\_n40A |
| DC\_3A\_n5A-n40A | DC\_3A\_n5A  DC\_3A\_n40A |
| DC\_3A-5A\_n77A | DC\_3A\_n77A  DC\_5A\_n77A |
| DC\_3A-5A\_n77(2A)  DC\_3A-5A\_n77(3A) | DC\_3A\_n77A  DC\_5A\_n77A |
| DC\_3A-5A\_n78A5  DC\_3C-5A\_n78A  DC\_3A-5A\_n78C5 | DC\_3A\_n78A  DC\_5A\_n78A |
| DC\_3A-5A\_n78(2A)5 | DC\_3A\_n78A  DC\_5A\_n78A |
| DC\_3A-5A\_n78(A-C)5 | DC\_3A\_n78A  DC\_5A\_n78A |
| DC\_3A\_n5A-n78A5, 14  DC\_3C\_n5A-n78A5, 14 | DC\_3A\_n5A  DC\_3A\_n78A14  DC\_3C\_n78A14 |
| 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\_n1A  DC\_7A\_n1A |
| DC\_3A-7A-7A\_n1A | DC\_3A\_n1A  DC\_7A\_n1A |
| DC\_3A-3A-7A-7A\_n1A | DC\_3A\_n1A  DC\_7A\_n1A |
| DC\_3A-7A\_n3A  DC\_3A-7C\_n3A | DC\_3A\_n3A2  DC\_7A\_n3A |
| DC\_3A-7A\_n5A  DC\_3C-7A\_n5A  DC\_3A-7C\_n5A  DC\_3C-7C\_n5A | DC\_3A\_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-(n)7AA  DC\_3C-(n)7AA | DC\_3A\_n7A |
| DC\_3A-7A\_n8A | DC\_3A\_n8A  DC\_7A\_n8A |
| DC\_3A-3A-7A\_n8A | DC\_3A\_n8A  DC\_7A\_n8A |
| DC\_3A-7A-7A\_n8A | DC\_3A\_n8A  DC\_7A\_n8A |
| DC\_3A-3A-7A-7A\_n8A | DC\_3A\_n8A  DC\_7A\_n8A |
| DC\_3A-7A\_n26A  DC\_3A-7C\_n26A  DC\_3C-7A\_n26A  DC\_3C-7C\_n26A | DC\_3A\_n26A  DC\_3C\_n26A  DC\_7A\_n26A  DC\_7C\_n26A |
| 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-7A\_n28A | DC\_3A\_n28A  DC\_7A\_n28A |
| DC\_3A-7A\_n40A | DC\_3A\_n40A  DC\_7A\_n40A |
| DC\_3A-7A-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\_n77A  DC\_7A\_n77A |
| DC\_3A-7A-7A\_n77A5 | DC\_3A\_n77A  DC\_7A\_n77A |
| DC\_3A-3A-7A-7A\_n77A5 | DC\_3A\_n77A  DC\_7A\_n77A |
| DC\_3A-7A\_n77(2A)  DC\_3A-7A\_n77(3A) | DC\_3A\_n77A  DC\_7A\_n77A |
| DC\_3A-7A-7A\_n77(2A)  DC\_3A-7A-7A\_n77(3A) | DC\_3A\_n77A  DC\_7A\_n77A |
| DC\_3A-7A\_n78A5,14  DC\_3C-7A\_n78A5,14  DC\_3A-7C\_n78A5,14  DC\_3C-7C\_n78A5,14  DC\_3A-7A\_n78C5 | DC\_3A\_n78A14  DC\_3C\_n78A14  DC\_7A\_n78A14  DC\_7C\_n78A14 |
| DC\_3A\_n7A-n28A  DC\_3C\_n7A-n28A | DC\_3A\_n7A  DC\_3A\_n28A  DC\_3C\_n7A |
| 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-7A\_n78(A-C)5 | DC\_3A\_n78A  DC\_7A\_n78A |
| DC\_3A-3A-7A\_n78A5, 14 | DC\_3A\_n78A14  DC\_7A\_n78A14 |
| DC\_3A-7A-7A\_n78A5, 14  DC\_3A-7A-7A\_n78C5 | DC\_3A\_n78A14  DC\_7A\_n78A14 |
| DC\_3A-7A-7A\_n78(2A)5 | DC\_3A\_n78A  DC\_7A\_n78A |
| DC\_3A-7A-7A\_n78(A-C)5 | DC\_3A\_n78A  DC\_7A\_n78A |
| DC\_3A-3A-7A-7A\_n78A5, 14 | DC\_3A\_n78A14  DC\_7A\_n78A14 |
| 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\_3C\_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)5  DC\_3C\_n7A-n78(2A)5 | DC\_3A\_n7A  DC\_3A\_n78A  DC\_3C\_n7A  DC\_3C\_n78A |
| DC\_3A-7A\_n105A | DC\_3A\_n105A  DC\_7A\_n105A |
| DC\_3A-8A\_n1A  DC\_3C-8A\_n1A | DC\_3A\_n1A  DC\_8A\_n1A |
| DC\_3A-3A-8A\_n1A | DC\_3A\_n1A  DC\_8A\_n1A |
| DC\_3A-8A\_n7A | DC\_3A\_n7A  DC\_8A\_n7A |
| DC\_3A-3A\_n8A-n78A5 | DC\_3A\_n8A  DC\_3A\_n78A |
| DC\_3A\_n8A-n40A | DC\_3A\_n8A  DC\_3A\_n40A |
| DC\_3A-8A\_n41A | DC\_3A\_n41A  DC\_8A\_n41A |
| DC\_3A\_n8A-n41A | DC\_3A\_n41A  DC\_3A\_n8A |
| DC\_3A-8A\_n28A  DC\_3C-8A\_n28A | DC\_3A\_n28A  DC\_8A\_n28A |
| DC\_3A-8A\_n40A | DC\_3A\_n40A  DC\_8A\_n40A |
| DC\_3A-8A\_n77A5  DC\_3C-8A\_n77A | DC\_3A\_n77A  DC\_3C\_n77A  DC\_8A\_n77A |
| DC\_3A-8A\_n77(2A) 5  DC\_3C-8A\_n77(2A) | DC\_3A\_n77A  DC\_3C\_n77A  DC\_8A\_n77A |
| DC\_3A-8A\_n77(3A) 5 | DC\_3A\_n77A  DC\_8A\_n77A |
| DC\_3A-8A\_n78A5, 14  DC\_3C-8A\_n78A5,14 | DC\_3A\_n78A14  DC\_8A\_n78A14 |
| DC\_3A-8A\_n78(2A)5,14 | DC\_3A\_n78A14  DC\_8A\_n78A14 |
| DC\_3A-3A-8A\_n78A5, 14 | DC\_3A\_n78A14  DC\_8A\_n78A14 |
| DC\_3A-8B\_n78A5 | DC\_3A\_n78A  DC\_8A\_n78A  DC\_8B\_n78A |
| DC\_3A-3A-8B\_n78A5 | DC\_3A\_n78A  DC\_8A\_n78A  DC\_8B\_n78A |
| DC\_3A-8A\_n79A5  DC\_3A-8A\_n79C5 | DC\_3A\_n79A  DC\_8A\_n79A |
| DC\_3A\_n8A-n77A5 | DC\_3A\_n8A DC\_3A\_n77A |
| DC\_3A\_n8A-n77(2A)5 | DC\_3A\_n8A DC\_3A\_n77A |
| DC\_3A\_n8A-n78A5 | DC\_3A\_n8A  DC\_3A\_n78A |
| DC\_3A-11A\_n28A | DC\_3A\_n28A  DC\_11A\_n28A |
| DC\_3A-11A\_n77A5 | DC\_3A\_n77A  DC\_11A\_n77A |
| DC\_3A-11A\_n77(2A) 5 | DC\_3A\_n77A  DC\_11A\_n77A |
| DC\_3A-11A\_n77(3A) 5 | DC\_3A\_n77A  DC\_11A\_n77A |
| DC\_3A-18A\_n3A | DC\_3A\_n3A2  DC\_18A\_n3A |
| DC\_3A-18A\_n28A | DC\_3A\_n28A  DC\_18A\_n28A |
| DC\_3A-18A\_n41A | DC\_3A\_n41A  DC\_18A\_n41A |
| DC\_3A-18A\_n77A | DC\_3A\_n77A  DC\_18A\_n77A |
| DC\_3A-18A\_n77(2A) | DC\_3A\_n77A  DC\_18A\_n77A |
| DC\_3A-18A\_n78A | DC\_3A\_n78A  DC\_18A\_n78A |
| DC\_3A-18A\_n78(2A) | DC\_3A\_n78A  DC\_18A\_n78A |
| DC\_3A-18A\_n79A | DC\_3A\_n79A  DC\_18A\_n79A |
| DC\_3A-19A\_n1A | DC\_3A\_n1A  DC\_19A\_n1A |
| DC\_3A-19A\_n77A5,14  DC\_3A-19A\_n77C5 | DC\_3A\_n77A14  DC\_19A\_n77A14 |
| DC\_3A-19A\_n77(2A)5,14 | DC\_3A\_n77A14  DC\_19A\_n77A14 |
| DC\_3A-19A\_n78A5,14  DC\_3A-19A\_n78C5 | DC\_3A\_n78A14  DC\_19A\_n78A14 |
| DC\_3A-19A\_n78(2A)5,14 | DC\_3A\_n78A14  DC\_19A\_n78A14 |
| DC\_3A-19A\_n79A5,14  DC\_3A-19A\_n79C5 | DC\_3A\_n79A14  DC\_19A\_n79A14 |
| DC\_3A-20A\_n1A  DC\_3C-20A\_n1A | DC\_3A\_n1A  DC\_3C\_n1A  DC\_20A\_n1A |
| DC\_3A-3A-20A\_n1A | DC\_3A\_n1A  DC\_20A\_n1A |
| DC\_3A-20A\_n3A | DC\_3A\_n3A2  DC\_20A\_n3A |
| 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\_n28A5,6,16,20  DC\_3C-20A\_n28A5,6,16,20 | DC\_3A\_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\_n20A-n67A  DC\_3C\_n20A-n67A | DC\_3A\_n20A |
| DC\_3A-20A\_n78A5  DC\_3C-20A\_n78A5  DC\_3A-20A\_n78C5 | DC\_3A\_n78A  DC\_3C\_n78A  DC\_20A\_n78A |
| DC\_3A-3A-20A\_n78A | DC\_3A\_n78A  DC\_20A\_n78A |
| DC\_3A-20A\_n78(2A)5 | DC\_3A\_n78A  DC\_20A\_n78A |
| DC\_3A\_n20A-n78A | DC\_3A\_n20A  DC\_3A\_n78A |
| DC\_3A-21A\_n1A10,11 | DC\_3A\_n1A  DC\_21A\_n1A |
| DC\_3A-21A\_n28A13 | DC\_3A\_n28A  DC\_21A\_n28A |
| DC\_3A-21A\_n77A5, 14  DC\_3A-21A\_n77C5, 14 | DC\_3A\_n77A14  DC\_21A\_n77A14 |
| DC\_3A-21A\_n77(2A)5,14 | DC\_3A\_n77A14  DC\_21A\_n77A14 |
| DC\_3A-21A\_n78A5,14  DC\_3A-21A\_n78C5 | DC\_3A\_n78A14  DC\_21A\_n78A14 |
| DC\_3A-21A\_n78(2A)5,14 | DC\_3A\_n78A14  DC\_21A\_n78A14 |
| DC\_3A-21A\_n79A5,14  DC\_3A-21A\_n79C5 | DC\_3A\_n79A14  DC\_21A\_n79A14 |
| DC\_3A-26A\_n78A  DC\_3A-26A\_n78(2A)  DC\_3C-26A\_n78A | DC\_3A\_n78A  DC\_26A\_n78A |
| DC\_3A-26A\_n78(2A)  DC\_3C-26A\_n78(2A) | DC\_3A\_n78A  DC\_26A\_n78A |
| DC\_3A\_n26A-n78A | DC\_3A\_n26A DC\_3A\_n78A |
|  |  |
| DC\_3C\_n26A-n78A | DC\_3A\_n26A  DC\_3C\_n26A  DC\_3A\_n78A  DC\_3C\_n78A |
| DC\_3A-28A\_n1A  DC\_3C-28A\_n1A | DC\_28A\_n1A  DC\_3A\_n1A |
| DC\_3A-28A\_n3A | DC\_3A\_n3A2  DC\_28A\_n3A |
| DC\_3A-28A\_n5A  DC\_3C-28A\_n5A | DC\_3A\_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-28A\_n38A | DC\_3A\_n38A  DC\_28A\_n38A |
| DC\_3A\_n28A-n40A | DC\_3A\_n28A  DC\_3A\_n40A |
| DC\_3A\_n28A-n41A5 | DC\_3A\_n28A  DC\_3A\_n41A |
| DC\_3A-28A\_n41A5 | DC\_3A\_n41A  DC\_28A\_n41A |
| DC\_3A\_n28A-n75A  DC\_3C\_n28A-n75A | DC\_3A\_n28A |
| 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\_n78A5,14  DC\_3C-28A\_n78A5,14  DC\_3A-28A\_n78(2A)5,14  DC\_3A-28A\_n78C5 | DC\_3A\_n78A14  DC\_3C\_n78A14  DC\_28A\_n78A14 |
| DC\_3A-3A-28A\_n78A | DC\_3A\_n78A  DC\_28A\_n78A |
| DC\_3C-28A\_n78(2A)5 | DC\_3A\_n78A  DC\_28A\_n78A |
| DC\_3A\_n28A-n78A5, 14  DC\_3C\_n28A-n78A5, 14 | DC\_3A\_n28A  DC\_3A\_n78A14  DC\_3C\_n78A14 |
| DC\_3A\_n28A-n78(2A)5  DC\_3C\_n28A-n78(2A)5 | DC\_3A\_n28A  DC\_3A\_n78A  DC\_3C\_n78A |
| DC\_3A-28A\_n79A5  DC\_3A-28A\_n79C5 | DC\_3A\_n79A  DC\_28A\_n79A |
| DC\_3A\_n28A-n79A5 | DC\_3A\_n28A  DC\_3A\_n79A |
| DC\_3A-32A\_n1A  DC\_3C-32A\_n1A | DC\_3A\_n1A  DC\_3C\_n1A |
| DC\_3A-32A\_n7A | DC\_3A\_n7A |
| DC\_3A-32A\_n28A  DC\_3C-32A\_n28A | DC\_3A\_n28A |
| DC\_3A-32A\_n78A  DC\_3C-32A\_n78A  DC\_3A-32A\_n78C | DC\_3A\_n78A  DC\_3C\_n78A |
| DC\_3A-32A\_n78(2A) | DC\_3A\_n78A  DC\_3C\_n78A |
| DC\_3A-38A\_n28A  DC\_3C-38A\_n28A | DC\_3A\_n28A  DC\_38A\_n28A |
| DC\_3A\_n38A-n40A | DC\_3A\_n38A  DC\_3A\_n40A |
| DC\_3A-38A\_n78A | DC\_3A\_n78A |
| DC\_3A-38A\_n78(2A) | DC\_3A\_n78A |
| DC\_3A\_n38A-n78A | DC\_3A\_n38A  DC\_3A\_n78A |
| DC\_3C-38A\_n78A | DC\_3A\_n78A  DC\_3C\_n78A  DC\_38A\_n78A |
| DC\_3A-40A\_n1A  DC\_3A-40C\_n1A | DC\_3A\_n1A  DC\_40A\_n1A |
| DC\_3A\_n40A-n41A  DC\_3A\_n40A-n41C | DC\_3A\_n40A  DC\_3A\_n41A |
| DC\_3A\_n40A-n77A | DC\_3A\_n40A  DC\_3A\_n77A |
| DC\_3A\_n40A-n77(2A) | DC\_3A\_n40A  DC\_3A\_n77A |
| DC\_3A-40A\_n78A  DC\_3A-40C\_n78A | DC\_3A\_n78A  DC\_40A\_n78A |
| DC\_3A-40A\_n78(2A)  DC\_3A-40C\_n78(2A) | DC\_3A\_n78A  DC\_40A\_n78A |
| DC\_3A\_n40A-n78A  DC\_3A\_n40A-n78C | DC\_3A\_n40A  DC\_3A\_n78A |
| DC\_3A\_n40A-n79A  DC\_3A\_n40A-n79C | DC\_3A\_n40A  DC\_3A\_n79A |
| DC\_3A-41A\_n1A | DC\_3A\_n1A  DC\_41A\_n1A |
| DC\_3A-41C\_n1A | DC\_3A\_n1A  DC\_41A\_n1A  DC\_41C\_n1A |
| DC\_3A-3A-41A\_n1A | DC\_3A\_n1A  DC\_41A\_n1A |
| DC\_3A-3A-41C\_n1A | DC\_3A\_n1A  DC\_41A\_n1A  DC\_41C\_n1A |
| DC\_3A-41A\_n3A  DC\_3A-41C\_n3A | DC\_3A\_n3A2  DC\_41A\_n3A  DC\_41C\_n3A |
| 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\_(n)41AA |
| DC\_3A-41A\_n77A  DC\_3A-41C\_n77A | DC\_3A\_n77A  DC\_41A\_n77A  DC\_41C\_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-3A-41A\_n78A  DC\_3A-3A-41C\_n78A | DC\_3A\_n78A  DC\_41A\_n78A  DC\_41C\_n78A |
| DC\_3A\_n41A-n78A | DC\_3A\_n41A  DC\_3A\_n78A |
| DC\_3A\_n41A-n78(2A) | 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\_n1A5  DC\_3A-42C\_n1A5 | DC\_3A\_n1A  DC\_42A\_n1A |
| 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-n77A | DC\_3A\_n41A  DC\_3A\_n77A |
| DC\_3A\_n41A-n77(2A) | DC\_3A\_n41A  DC\_3A\_n77A |
| DC\_3A\_n41A-n79A5  DC\_3A\_n41C-n79A5  DC\_3A\_n41A-n79C5  DC\_3A\_n41C-n79C5 | 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\_n77A14, 15,16  DC\_3A-42A\_n77C15,16  DC\_3A-42C\_n77A14, 15,16  DC\_3A-42C\_n77C15,16  DC\_3A-42D\_n77A14, 15,16  DC\_3A-42D\_n77C15,16  DC\_3A-42E\_n77A14, 15,16  DC\_3A-42E\_n77C15,16 | DC\_3A\_n77A14, |
| DC\_3A-42A\_n77(2A)15,16  DC\_3A-42C\_n77(2A)15,16 | DC\_3A\_n77A |
| DC\_3A-42A\_n78A14,15,16  DC\_3A-42A\_n78C15,16  DC\_3A-42C\_n78A14,15,16  DC\_3A-42C\_n78C15,16  DC\_3A-42D\_n78A14,15,16  DC\_3A-42D\_n78C15,16  DC\_3A-42E\_n78A14,15,16  DC\_3A-42E\_n78C15,16 | DC\_3A\_n78A14 |
| DC\_3A-42A\_n79A14  DC\_3A-42A\_n79C  DC\_3A-42C\_n79A14  DC\_3A-42C\_n79C  DC\_3A-42D\_n79A14  DC\_3A-42D\_n79C  DC\_3A-42E\_n79A14  DC\_3A-42E\_n79C | DC\_3A\_n79A14 |
| DC\_3A-67A\_n3A | DC\_3A\_n3A2 |
| DC\_3A\_n75A-n78A | DC\_3A\_n78A |
| DC\_3A\_n75A-n78(2A) | DC\_3A\_n78A |
| DC\_3A\_n77A-n79A14, 23 | DC\_3A\_n77A14  DC\_3A\_n79A14 |
| DC\_3A\_n78A-n79A14, 24  DC\_3A\_n78A-n79C | DC\_3A\_n78A14  DC\_3A\_n79A14 |
| 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\_n78A-n105A | DC\_3A\_n78A  DC\_3A\_n105A |
| DC\_3A\_SUL\_n79A-n80A5 | DC\_3A\_n79A  DC\_3A\_n80A\_ULSUP-TDM\_n79A |
| DC\_4A-7A\_n28A | DC\_4A\_n28A  DC\_7A\_n28A |
| DC\_4A-7A\_n78A  DC\_4A-7C\_n78A | DC\_4A\_n78A  DC\_7A\_n78A  DC\_7C\_n78A |
| DC\_5A\_n1A-n78A | DC\_5A\_n1A DC\_5A\_n78A |
| DC\_5A\_n2A-n77A14  DC\_5A\_n2A-n77C14 | DC\_5A\_n77A14  DC\_5A\_n2A |
| DC\_5A\_n2A-n78A | DC\_5A\_n2A  DC\_5A\_**n78A** |
| DC\_5A\_n3A-n78A | DC\_5A\_n3A  DC\_5A\_n78A |
| DC\_5A\_n5A-n77A14  DC\_5A\_n5A-n77C14 | DC\_5A\_n77A14 |
| DC\_5A-7A\_n2A | DC\_7A\_n2A |
| DC\_5A-7A\_n7A | DC\_5A\_n7A DC\_7A\_n7A2 |
| DC\_5A-7A\_n40A | DC\_5A\_n40A  DC\_7A\_n40A |
| DC\_5A-7A-7A\_n40A | DC\_5A\_n40A  DC\_7A\_n40A |
| DC\_5A-7A\_n66A  DC\_5A-7C\_n66A | DC\_5A\_n66A  DC\_7A\_n66A |
| DC\_5A-7A-7A\_n66A | DC\_5A\_n66A  DC\_7A\_n66A |
| DC\_5A-7A\_n71A | DC\_5A\_n71A  DC\_7A\_n71A |
| DC\_5A-7A\_n77A | DC\_5A\_n77A  DC\_7A\_n77A |
| DC\_5A-7A-7A\_n77A | DC\_5A\_n71A  DC\_7A\_n71A |
| DC\_5A-7A\_n77(2A)  DC\_5A-7A\_n77(3A) | DC\_5A\_n77A  DC\_7A\_n77A |
| DC\_5A-7A-7A\_n77(2A)  DC\_5A-7A-7A\_n77(3A) | DC\_5A\_n77A  DC\_7A\_n77A |
| DC\_5A-7A\_n78A  DC\_5A-7A\_n78C  DC\_5A-7C\_n78A | DC\_5A\_n78A  DC\_7A\_n78A |
| DC\_5A-7A\_n78(2A) | DC\_5A\_n78A  DC\_7A\_n78A |
| DC\_5A-7A\_n78(A-C) | 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-7A-7A\_n78C | DC\_5A\_n78A  DC\_7A\_n78A |
| DC\_5A-7A-7A\_n78(2A) | DC\_5A\_n78A  DC\_7A\_n78A |
| DC\_5A-7A-7A\_n78(A-C) | DC\_5A\_n78A  DC\_7A\_n78A |
| DC\_5A-(n)12AA | DC\_5A\_n12A  DC\_(n)12AA2 |
| DC\_5A-13A\_n2A | DC\_5A\_n2A  DC\_13A\_n2A |
| DC\_5A-13A\_n66A | DC\_5A\_n66A  DC\_13A\_n66A |
| DC\_5A-13A\_n77A  DC\_5A-13A\_n77C | DC\_5A\_n77A  DC\_13A\_n77A |
| DC\_5A-30A\_n2A | DC\_5A\_n2A  DC\_30A\_n2A |
| DC\_5A-30A\_n5A | DC\_30A\_n5A |
| DC\_5A-30A\_n66A | DC\_5A\_n66A  DC\_30A\_n66A |
| DC\_5A-30A\_n77A14 | DC\_5A\_n77A14  DC\_30A\_n77A14 |
| DC\_5A-30A\_n77(2A) 14 | DC\_5A\_n77A14  DC\_30A\_n77A14 |
| DC\_5A\_n38A-n66A | DC\_5A\_n38A  DC\_5A\_n66A |
| DC\_5A\_n40A-n77A | DC\_5A\_n40A  DC\_5A\_n77A |
| DC\_5A\_n40A-n77(2A) | DC\_5A\_n40A  DC\_5A\_n77A |
| DC\_5A\_n40A-n78A  DC\_5A\_n40A-n78C | DC\_5A\_n40A  DC\_5A\_n78A |
| DC\_5A-41A\_n79A | DC\_5A\_n79A  DC\_41A\_n79A |
| DC\_5A-46A\_n66A | DC\_5A\_n66A  DC\_46A\_n66A |
| DC\_5A-48A\_n5A | DC\_48A\_n5A |
| DC\_5A-48A\_n12A | DC\_5A\_n12A  DC\_48A\_n12A |
| DC\_5A-48A\_n71A | DC\_5A\_n71A  DC\_48A\_n71A |
| DC\_5A-48A\_n77A14,15,16  DC\_5A-48C\_n77A**14**,15,16  DC\_5A-48D\_n77A**14**,15,16  DC\_5A-48A\_n77C**14**,15,16  DC\_5A-48C\_n77C**14**,15,16  DC\_5A-48D\_n77C14**,15,16** | DC\_5A\_n77A14 |
| DC\_5A-66A\_n2A  DC\_5B-66A\_n2A  DC\_5A-66B\_n2A | DC\_5A\_n2A  DC\_66A\_n2A |
| DC\_5A-5A-66A\_n2A | DC\_5A\_n2A  DC\_66A\_n2A |
| DC\_5A-66A-66A\_n2A  DC\_5B-66A-66A\_n2A | DC\_5A\_n2A  DC\_66A\_n2A |
| DC\_5A-5A-66A-66A\_n2A | DC\_5A\_n2A  DC\_66A\_n2A |
| DC\_5A-66A\_n5A | DC\_66A\_n5A |
| DC\_5A-66A-66A\_n5A | DC\_66A\_n5A |
| DC\_5A-66A\_n7A | DC\_5A\_n7A  DC\_66A\_n7A |
| DC\_5A-66A-66A\_n7A | DC\_5A\_n7A  DC\_66A\_n7A |
| DC\_5A-66A\_n12A | DC\_5A\_n12A DC\_66A\_n12A |
| DC\_5A-66A\_n30A | DC\_5A\_n30A  DC\_66A\_n30A |
| DC\_5A-66A-66A\_n30A | DC\_5A\_n30A  DC\_66A\_n30A |
| DC\_5A-66A\_n48A  DC\_5A-66A\_n48B | DC\_5A\_n48A  DC\_66A\_n48A |
| DC\_5A-66A-66A\_n48A  DC\_5A-66A-66A\_n48B | DC\_5A\_n48A  DC\_66A\_n48A |
| DC\_5A-66A\_n66A  DC\_5B-66A\_n66A | DC\_5A\_n66A |
| DC\_5A-5A-66A\_n66A | DC\_5A\_n66A |
| DC\_5A-66A-66A\_n66A  DC\_5B-66A-66A\_n66A | DC\_5A\_n66A |
| DC\_5A-5A-66A-66A\_n66A | DC\_5A\_n66A |
| DC\_5A-66A\_n71A | DC\_5A\_n71A  DC\_66A\_n71A |
| DC\_5A-66A\_n77A14  DC\_5A-66A\_n77C14 | DC\_5A\_n77A14  DC\_66A\_n77A14 |
| DC\_5A-66A\_n77(2A) 14 | DC\_5A\_n77A14  DC\_66A\_n77A14 |
| DC\_5A-66A-66A\_n77A14  DC\_5A-66A-66A\_n77C14 | DC\_5A\_n77A14  DC\_66A\_n77A14 |
| DC\_5A-66A-66A\_n77(2A) 14 | DC\_5A\_n77A14  DC\_66A\_n77A14 |
| DC\_5A\_n66A-n77A14  DC\_5A\_n66A-n77C14 | DC\_5A\_n66A  DC\_5A\_n77A14 |
| DC\_5A-66A\_n78A | DC\_5A\_n78A  DC\_66A\_n78A |
| DC\_5A-66A\_n78(2A) | DC\_5A\_n78A  DC\_66A\_n78A |
| DC\_5A\_n66A-n78A | DC\_5A\_n66A  DC\_5A\_n78A |
| DC\_5A-66A-66A\_n78A | DC\_5A\_n78A  DC\_66A\_n78A |
| DC\_7A\_n1A-n8A | DC\_7A\_n1A  DC\_7A\_n8A |
| DC\_7A-7A\_n1A-n8A | DC\_7A\_n1A  DC\_7A\_n8A |
| DC\_7A\_n1A-n28A | DC\_7A\_n1A  DC\_7A\_n28A |
| DC\_7C\_n1A-n28A | DC\_7A\_n1A  DC\_7A\_n28A  DC\_7C\_n1A  DC\_7C\_n28A |
| DC\_7A\_n1A-n40A | DC\_7A\_n1A  DC\_7A\_n40A |
| DC\_7A\_n1A-n75A | DC\_7A\_n1A |
| DC\_7A\_n1A-n78A5, 14  DC\_7C\_n1A-n78A5 | DC\_7A\_n1A  DC\_7A\_n78A14  DC\_7C\_n1A  DC\_7C\_n78A |
| DC\_7A\_n1A-n78(2A)5  DC\_7C\_n1A-n78(2A)5 | DC\_7A\_n1A  DC\_7A\_n78A  DC\_7C\_n1A  DC\_7C\_n78A |
| DC\_7A-7A\_n1A-n78A5 14 | DC\_7A\_n1A  DC\_7A\_n78A14 |
| DC\_7A\_n2A-n66A | DC\_7A\_n2A  DC\_7A\_n66A |
| DC\_7A\_n2A-n71A | DC\_7A\_n2A  DC\_7A\_n71A |
| DC\_7A\_n2A-n78A | DC\_7A\_n2A  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\_n3A-n78(2A)  DC\_7C\_n3A-n78(2A) | DC\_7A\_n3A  DC\_7A\_n78A  DC\_7C\_n3A  DC\_7C\_n78A |
| DC\_7A\_n5A-n40A | DC\_7A\_n5A DC\_7A\_n40A |
| DC\_7A\_n5A-n78A14  DC\_7C\_n5A-n78A14 | DC\_7A\_n5A  DC\_7C\_n5A  DC\_7A\_n78A14  DC\_7C\_n78A14 |
| 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-8A\_n7A | DC\_7A\_n7A  DC\_8A\_n7A |
| DC\_7A-8A\_n20A | DC\_7A\_n20A  DC\_8A\_n20A |
| DC\_7A-8A\_n28A | DC\_7A\_n28A  DC\_8A\_n28A |
| DC\_7A-7A-8A\_n28A | DC\_7A\_n28A  DC\_8A\_n28A |
| DC\_7A-8A\_n40A | DC\_7A\_n40A  DC\_8A\_n40A |
| DC\_7A\_n8A-n40A | DC\_7A\_n8A  DC\_7A\_n40A |
| DC\_7A-8A\_n77A5 | DC\_7A\_n77A  DC\_8A\_n77A |
| DC\_7A-8A\_n78A5, 14 | DC\_7A\_n78A14  DC\_8A\_n78A14 |
| DC\_7A-8A\_n78(2A) | DC\_7A\_n78A  DC\_8A\_n78A |
| DC\_7A-7A-8A\_n78A5, 14 | DC\_7A\_n78A14  DC\_8A\_n78A14 |
| DC\_7A-7A\_n8A-n78A5 | DC\_7A\_n8A  DC\_7A\_n78A |
| DC\_7A-8B\_n78A5  DC\_7A-7A-8B\_n78A5 | DC\_7A\_n78A  DC\_8A\_n78A  DC\_8B\_n78A |
| DC\_7A\_n8A-n78A5 | DC\_7A\_n8A  DC\_7A\_n78A |
| DC\_7A-12A\_n2A | DC\_7A\_n2A  DC\_12A\_n2A |
| DC\_7A-12A\_n2(2A) | DC\_7A\_n2A  DC\_12A\_n2A |
| DC\_7A-12A\_n25A | DC\_7A\_n25A  DC\_12A\_n25A |
| DC\_7A-12A\_n66A | DC\_7A\_n66A  DC\_12A\_n66A |
| DC\_7A-12A\_n77A | DC\_7A\_n77A  DC\_12A\_n77A |
| DC\_7A-12A\_n77A(2A) | DC\_7A\_n77A  DC\_12A\_n77A |
| DC\_7A\_n12A-n77A | DC\_7A\_n12A  DC\_7A\_n77A |
| DC\_7A-12A\_n78A | DC\_7A\_n78A  DC\_12A\_n78A |
| DC\_7A-12A\_n78(2A) | DC\_7A\_n78A  DC\_12A\_n78A |
| DC\_7A-13A\_n25A  DC\_7C-13A\_n25A | DC\_7A\_n25A  DC\_13A\_n25A |
| DC\_7A-7A-13A\_n25A | DC\_7A\_n25A  DC\_13A\_n25A |
| DC\_7A-13A\_n66A  DC\_7C-13A\_n66A | DC\_7A\_n66A  DC\_13A\_n66A |
| DC\_7A-7A-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\_n28A6,16,20 | DC\_7A\_n28A  DC\_20A\_n28A |
| DC\_7A-20A\_n78A5  DC\_7A-20A\_n78C5 | DC\_7A\_n78A  DC\_20A\_n78A |
| DC\_7A-20A\_n78(2A)5 | DC\_7A\_n78A  DC\_20A\_n78A |
| DC\_7A\_n25A-n66A | DC\_7A\_n25A DC\_7A\_n66A |
| DC\_7A-7A\_n25A-n66A | DC\_7A\_n25A DC\_7A\_n66A |
| DC\_7C\_n25A-n66A | DC\_7A\_n25A DC\_7A\_n66A |
| DC\_7A-25A\_n77A  DC\_7C-25A\_n77A | DC\_7A\_n77A  DC\_25A\_n77A |
| DC\_7A-7A-25A\_n77A | DC\_7A\_n77A  DC\_25A\_n77A |
| DC\_7A-25A-25A\_n77A  DC\_7C-25A-25A\_n77A | DC\_7A\_n77A  DC\_25A\_n77A |
| DC\_7A-7A-25A-25A\_n77A | DC\_7A\_n77A  DC\_25A\_n77A |
| DC\_7A-25A\_n78A  DC\_7C-25A\_n78A | DC\_7A\_n78A  DC\_25A\_n78A |
| DC\_7A-7A-25A\_n78A | DC\_7A\_n78A  DC\_25A\_n78A |
| DC\_7A-25A-25A\_n78A  DC\_7C-25A-25A\_n78A | DC\_7A\_n78A  DC\_25A\_n78A |
| DC\_7A-7A-25A-25A\_n78A | DC\_7A\_n78A  DC\_25A\_n78A |
| DC\_7A-26A\_n78A  DC\_7C-26A\_n78A | DC\_7A\_n78A  DC\_26A\_n78A |
| DC\_7A-26A\_n78(2A)  DC\_7C-26A\_n78(2A) | DC\_7A\_n78A  DC\_26A\_n78A |
| DC\_7A\_n26A-n78A  DC\_7A\_n26A-n78(2A) | DC\_7A\_n26A DC\_7A\_n78A |
| DC\_7C\_n26A-n78A  DC\_7C\_n26A-n78(2A) | DC\_7A\_n26A  DC\_7C\_n26A  DC\_7A\_n78A  DC\_7C\_n78A |
| DC\_7A-28A\_n1A | DC\_28A\_n1A  DC\_7A\_n1A |
| DC\_7A-7A-28A\_n1A | DC\_28A\_n1A  DC\_7A\_n1A |
| DC\_7A-28A\_n2A | DC\_7A\_n2A  DC\_28A\_n2A |
| DC\_7A-28A\_n3A  DC\_7C-28A\_n3A | DC\_7A\_n3A  DC\_7C\_n3A  DC\_28A\_n3A |
| DC\_7A-28A\_n5A6  DC\_7C-28A\_n5A6 | DC\_7A\_n5A  DC\_7C\_n5A  DC\_28A\_n5A |
| DC\_7A-28A\_n7A | DC\_7A\_n7A2  DC\_28A\_n7A |
| DC\_7A-28A\_n20A | DC\_7A\_n20A  DC\_28A\_n20A |
| DC\_7A\_n28A-n40A | DC\_7A\_n28A  DC\_7A\_n40A |
| DC\_7A-28A\_n40A | DC\_7A\_n40A  DC\_28A\_n40A |
| DC\_7A-28A\_n66A  DC\_7C-28A\_n66A | DC\_7A\_n66A  DC\_28A\_n66A |
| DC\_7A-28A\_n78A5,14  DC\_7C-28A\_n78A5,14  DC\_7A-28A\_n78(2A)5,14  DC\_7C-28A\_n78(2A)5,14 | DC\_7A\_n78A14  DC\_7C\_n78A14  DC\_28A\_n78A14 |
| DC\_7A-28A\_n78(2A)  DC\_7C-28A\_n78(2A) | DC\_7A\_n78A  DC\_28A\_n78A |
| DC\_7A\_n28A-n78A5,14  DC\_7C\_n28A-n78A14 | DC\_7A\_n28A  DC\_7A\_n78A14  DC\_7C\_n28A  DC\_7C\_n78A14 |
| DC\_7A-29A\_n78A  DC\_7C-29A\_n78A | DC\_7A\_n78A |
| DC\_7A-7A-29A\_n78A | DC\_7A\_n78A |
| DC\_7A-32A\_n1A | DC\_7A\_n1A |
| DC\_7A-32A\_n3A  DC\_7C-32A\_n3A | DC\_7A\_n3A |
| DC\_7A-32A\_n8A | DC\_7A\_n8A |
| DC\_7A-32A\_n28A | DC\_7A\_n28A |
| DC\_7A-32A\_n78A | DC\_7A\_n78A |
| DC\_7A-40A\_n1A  DC\_7A-40C\_n1A | DC\_7A\_n1A  DC\_40A\_n1A |
| DC\_7A\_n40A-n77A | DC\_7A\_n40A  DC\_7A\_n77A |
| DC\_7A\_n40A-n77(2A) | DC\_7A\_n40A  DC\_7A\_n77A |
| DC\_7A-40A\_n78A  DC\_7A-40C\_n78A | DC\_7A\_n78A  DC\_40A\_n78A |
| DC\_7A-40A\_n78(2A)  DC\_7A-40C\_n78(2A) | DC\_7A\_n78A  DC\_40A\_n78A |
| DC\_7A\_n40A-n78A  DC\_7A\_n40A-n78C | DC\_7A\_n40A  DC\_7A\_n78A |
| DC\_7A-46A\_n78A3  DC\_7A-46C\_n78A3  DC\_7A-46D\_n78A3  DC\_7A-46E\_n78A3 | DC\_7A\_n78A |
| DC\_7A-66A\_n2A | DC\_7A\_n2A  DC\_66A\_n2A |
| DC\_7A-66A\_n5A  DC\_7C-66A\_n5A  DC\_7A-66A-66A\_n5A  DC\_7C-66A-66A\_n5A  DC\_7A-7A-66A\_n5A  DC\_7A-7A-66A-66A\_n5A | DC\_7A\_n5A  DC\_66A\_n5A |
| DC\_7A-66A\_n7A | DC\_7A\_n7A2  DC\_66A\_n7A |
| DC\_7A-66A-66A\_n7A | DC\_7A\_n7A2  DC\_66A\_n7A |
| DC\_7A-66A\_n12A | DC\_7A\_n12A  DC\_66A\_n12A |
| DC\_7A-66A\_n25A  DC\_7C-66A\_n25A | DC\_7A\_n25A  DC\_66A\_n25A |
| DC\_7A-7A-66A\_n25A | DC\_7A\_n25A  DC\_66A\_n25A |
| DC\_7A-66A\_n28A | DC\_7A\_n28A  DC\_66A\_n28A |
| 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-66A\_n66A | DC\_7A\_n66A  DC\_66A\_n66A2 |
| DC\_7A-7A-66A-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-n71A | DC\_7A\_n66A  DC\_7A\_n71A |
| DC\_7A-66A\_n77A  DC\_7C-66A\_n77A | DC\_7A\_n77A  DC\_66A\_n77A |
| DC\_7A-7A-66A\_n77A | DC\_7A\_n66A  DC\_66A\_n77A |
| DC\_7A-7A-66A\_n77(2A) | DC\_7A\_n66A  DC\_66A\_n77A |
| DC\_7A-66A\_n77(2A)  DC\_7C-66A\_n77(2A) | DC\_7A\_n66A  DC\_66A\_n77A |
| DC\_7A\_n66A-n77A  DC\_7C\_n66A-n77A | DC\_7A\_n66A  DC\_7A\_n77A |
| DC\_7A-7A\_n66A-n77A | DC\_7A\_n66A  DC\_7A\_n77A |
| DC\_7A\_n66A-n78A  DC\_7C\_n66A-n78A | DC\_7A\_n66A  DC\_7A\_n78A |
| DC\_7A-7A\_n66A-n78A | DC\_7A\_n66A  DC\_7A\_n78A |
| DC\_7A-66A\_n78A  DC\_7C-66A\_n78A | DC\_7A\_n78A  DC\_7C\_n78A  DC\_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\_n78A  DC\_66A\_n78A |
| DC\_7A-7A-66A\_n78(2A) | DC\_7A\_n78A  DC\_66A\_n78A |
| DC\_7A-7A-66A-66A\_n78A | DC\_7A\_n78A  DC\_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\_n78A  DC\_66A\_n78A |
| DC\_7A-66A-66A\_n78(2A)  DC\_7C-66A-66A\_n78(2A) | DC\_7A\_n78A  DC\_66A\_n78A |
| DC\_7A-71A\_n2A | DC\_7A\_n2A  DC\_71A\_n2A |
| DC\_7A-71A\_n2(2A) | DC\_7A\_n2A  DC\_71A\_n2A |
| DC\_7A-71A\_n25A | DC\_7A\_n25A  DC\_71A\_n25A |
| DC\_7A-71A\_n66A | DC\_7A\_n66A  DC\_71A\_n66A |
| DC\_7A-71A\_n77A | DC\_7A\_n77A  DC\_71A\_n77A |
| DC\_7A-71A\_n77(2A) | DC\_7A\_n77A  DC\_71A\_n77A |
| DC\_7A\_n71A-n77A | DC\_7A\_n71A  DC\_7A\_n77A |
| DC\_7A-71A\_n78A | DC\_7A\_n78A  DC\_71A\_n78A |
| DC\_7A-71A\_n78(2A) | DC\_7A\_n78A  DC\_71A\_n78A |
| DC\_7A\_n71A-n78A | DC\_7A\_n71A  DC\_7A\_n78A |
| DC\_7A\_n78A-n79A  DC\_7A\_n78A-n79C | DC\_7A\_n78A  DC\_7A\_n79A |
| DC\_7A\_SUL\_n78A-n80A | DC\_7A\_n78A  DC\_7A\_n80A |
| DC\_7A\_n78A-n105A | DC\_7A\_n78A  DC\_7A\_n105A |
| DC\_8A\_n1A-n3A | DC\_8A\_n1A  DC\_8A\_n3A |
| DC\_8A\_n1A-n28A | DC\_8A\_n1A  DC\_8A\_n28A |
| DC\_8A\_n1A-n40A | DC\_8A\_n1A  DC\_8A\_n40A |
| DC\_8A\_n1A-n77A5 | DC\_8A\_n1A  DC\_8A\_n77A |
| DC\_8A\_n1A-n77(2A)5 | DC\_8A\_n1A  DC\_8A\_n77A |
| DC\_8A\_n1A-n78A5 | DC\_8A\_n1A  DC\_8A\_n78A |
| DC\_8A-(n)3AA | DC\_(n)3AA  DC\_8A\_n3A |
| DC\_8A\_n3A-n28A | DC\_8A\_n3A  DC\_8A\_n28A |
| DC\_8A\_n3A-n77A5 | DC\_8A\_n3A  DC\_8A\_n77A |
| DC\_8A\_n3A-n77(2A) 5 | DC\_8A\_n3A  DC\_8A\_n77A |
| DC\_8A\_n3A-n78A | DC\_8A\_n3A  DC\_8A\_n78A |
| DC\_8A\_n3A-n79A | DC\_8A\_n3A  DC\_8A\_n79A |
| DC\_8A-11A\_n1A | DC\_8A\_n1A  DC\_11A\_n1A |
| DC\_8A-11A\_n3A | DC\_8A\_n3A  DC\_11A\_n3A |
| DC\_8A-11A\_n28A | DC\_8A\_n28A  DC\_11A\_n28A |
| 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\_n77(3A)5 | DC\_8A\_n77A  DC\_11A\_n77A |
| DC\_8A-11A\_n78A5 | DC\_8A\_n78A  DC\_11A\_n78A |
| DC\_8A-11A\_n79A5 | DC\_8A\_n79A  DC\_11A\_n79A |
| DC\_8A-20A\_n1A | DC\_8A\_n1A  DC\_20A\_n1A |
| DC\_8A-20A\_n3A | DC\_8A\_n3A  DC\_20A\_n3A |
| DC\_8A-20A\_n28A6,16,19,20 | DC\_8A\_n28A  DC\_20A\_n28A |
| DC\_8A-20A\_n78A | DC\_8A\_n78A  DC\_20A\_n78A |
| DC\_8A-28A\_n3A | DC\_8A\_n3A  DC\_28A\_n3A |
| DC\_8A-28A\_n78A | DC\_8A\_n78A  DC\_28A\_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\_n28A-n78A5 | DC\_8A\_n28A  DC\_8A\_n78A |
| DC\_8A\_n28A-n79A5 | DC\_8A\_n28A  DC\_8A\_n79A |
| DC\_8A-32A\_n1A | DC\_8A\_n1A |
| DC\_8A-32A\_n3A | DC\_8A\_n3A |
| DC\_8A-32A\_n28A | DC\_8A\_n28A |
| DC\_8A-32A\_n78A | DC\_8A\_n78A |
| DC\_8A-38A\_n1A | DC\_8A\_n1A  DC\_38A\_n1A |
| DC\_8A\_n38A-n40A | DC\_8A\_n38A  DC\_8A\_n40A |
| DC\_8A\_n39A-n40A | DC\_8A\_n39A  DC\_8A\_n40A |
| DC\_8A\_n39A-n41A | DC\_8A\_n39A  DC\_8A\_n41A |
| DC\_8A\_n39A-n79A | DC\_8A\_n39A  DC\_8A\_n79A |
| DC\_8A-40A\_n1A  DC\_8A-40C\_n1A | DC\_8A\_n1A  DC\_40A\_n1A |
| DC\_8A\_n40A-n41A | DC\_8A\_n40A  DC\_8A\_n41A |
| DC\_8A-40A\_n78A  DC\_8A-40C\_n78A | DC\_8A\_n78A  DC\_40A\_n78A |
| DC\_8A-40A\_n78(2A)  DC\_8A-40C\_n78(2A) | DC\_8A\_n78A  DC\_40A\_n78A |
| DC\_8A\_n40A-n78A | DC\_8A\_n40A  DC\_8A\_n78A |
| DC\_8A\_n40A-n79A  DC\_8A\_n40A-n79C | DC\_8A\_n40A  DC\_8A\_n79A |
| DC\_8A-41A\_n1A  DC\_8A-41C\_n1A | DC\_8A\_n1A  DC\_41A\_n1A |
| DC\_8A-41A\_n3A5  DC\_8A-41C\_n3A5 | DC\_8A\_n3A  DC\_41A\_n3A  DC\_41C\_n3A |
| DC\_8A-41A\_n77A  DC\_8A-41C\_n77A | DC\_8A\_n77A  DC\_41A\_n77A  DC\_41C\_n77A |
| DC\_8A-41A\_n78A | DC\_8A\_n78A  DC\_41A\_n78A |
| DC\_8A-41C\_n78A | DC\_8A\_n78A  DC\_41A\_n78A  DC\_41C\_n78A |
| DC\_8A\_n41A-n79A5 | DC\_8A\_n41A  DC\_8A\_n79A |
| DC\_8A-42A\_n1A5  DC\_8A-42C\_n1A5 | DC\_8A\_n1A  DC\_42A\_n1A  DC\_42C\_n1A |
| DC\_8A-42A\_n3A5 | DC\_8A\_n3A  DC\_42A\_n3A |
| DC\_8A-42C\_n3A5 | DC\_8A\_n3A  DC\_42A\_n3A  DC\_42C\_n3A |
| 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\_n77A15,16  DC\_8A-42C\_n77A15,16 | DC\_8A\_n77A |
| DC\_8A-42A\_n77(2A) 15,16  DC\_8A-42C\_n77(2A) 15,16 | DC\_8A\_n77A |
| DC\_8A\_SUL\_n41A-n81A | DC\_8A\_n41A,  DC\_8A\_n81A\_ULSUP-TDM\_n41A |
| DC\_8A\_n77A-n79A | DC\_8A\_n77A  DC\_8A\_n79A |
| DC\_8A\_n77(2A)-n79A | DC\_8A\_n77A  DC\_8A\_n79A |
| 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\_n1A-n77A5 | DC\_11A\_n1A  DC\_11A\_n77A |
| DC\_11A\_n1A-n77(2A)5 | DC\_11A\_n1A  DC\_11A\_n77A |
| DC\_11A\_n3A-n28A | DC\_11A\_n3A  DC\_11A\_n28A |
| DC\_11A\_n3A-n77A | DC\_11A\_n3A  DC\_11A\_n77A |
| DC\_11A\_n3A-n77(2A) | DC\_11A\_n3A  DC\_11A\_n77A |
| DC\_11A\_n3A-n79A5 | DC\_11A\_n3A  DC\_11A\_n79A |
| DC\_11A-18A\_n3A | DC\_11A\_n3A  DC\_18A\_n3A |
| DC\_11A-18A\_n28A | DC\_11A\_n28A |
| DC\_11A-18A\_n41A | DC\_11A\_n41A  DC\_18A\_n41A |
| DC\_11A-18A\_n77A | DC\_11A\_n77A  DC\_18A\_n77A |
| DC\_11A-18A\_n77(2A) | DC\_11A\_n77A  DC\_18A\_n77A |
| DC\_11A-18A\_n78A | DC\_11A\_n78A  DC\_18A\_n78A |
| DC\_11A-18A\_n78(2A) | DC\_11A\_n78A  DC\_18A\_n78A |
| DC\_11A\_n28A-n77A5 | DC\_11A\_n28A  DC\_11A\_n77A |
| DC\_11A\_n28A-n77(2A) 5 | DC\_11A\_n28A  DC\_11A\_n77A |
| DC\_11A\_n77A-n79A | DC\_11A\_n77A  DC\_11A\_n79A |
| DC\_11A\_n77(2A)-n79A | DC\_11A\_n77A  DC\_11A\_n79A |
| DC\_12A\_n2A-n38A | DC\_12A\_n2A  DC\_12A\_n38A |
| DC\_12A\_n2A-n41A | DC\_12A\_n2A  DC\_12A\_n41A |
| DC\_12A\_n2A-n78A | DC\_12A\_n2A DC\_12A\_n78A |
| DC\_12A-(n)5AA | DC\_12A\_n5A  DC\_(n)5AA2 |
| DC\_12A\_n7A-n66A | DC\_12A\_n7A  DC\_12A\_n66A |
| DC\_12A\_n7(2A)-n66A | DC\_12A\_n7A  DC\_12A\_n66A |
| 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\_n5A | DC\_12A\_n5A  DC\_30A\_n5A |
| DC\_12A-30A\_n66A | DC\_12A\_n66A  DC\_30A\_n66A |
| DC\_12A-30A\_n77A14 | DC\_12A\_n77A14  DC\_30A\_n77A14 |
| DC\_12A-30A\_n77(2A) 14 | DC\_12A\_n77A14  DC\_30A\_n77A14 |
| DC\_12A-48A\_n5A | DC\_12A\_n5A  DC\_48A\_n5A |
| DC\_12A-48A\_n12A | DC\_48A\_n12A |
| DC\_12A-66A\_n2A | DC\_12A\_n2A  DC\_66A\_n2A |
| DC\_12A-66A\_n2(2A) | DC\_12A\_n2A  DC\_66A\_n2A |
| DC\_12A-66A-66A\_n2A | DC\_12A\_n2A  DC\_66A\_n2A |
| DC\_12A-66A\_n5A | DC\_12A\_n5A  DC\_66A\_n5A |
| DC\_12A-66A\_n7A | DC\_12A\_n7A  DC\_66A\_n7A |
| DC\_12A-66A-66A\_n5A | DC\_12A\_n5A  DC\_66A\_n5A |
| DC\_12A-66A\_n12A | DC\_66A\_n12A |
| DC\_12A-66A\_n25A | DC\_12A\_n25A  DC\_66A\_n25A |
| DC\_12A-66A\_n30A | DC\_12A\_n30A  DC\_66A\_n30A |
| DC\_12A-66A-66A\_n30A | DC\_12A\_n30A  DC\_66A\_n30A |
| DC\_12A-66A\_n41A | DC\_12A\_n41A  DC\_66A\_n41A |
| DC\_12A-66A\_n66A | DC\_12A\_n66A  DC\_66A\_n66A2 |
| DC\_12A-66A\_n77A14  DC\_12A-66A-66A\_n77A14 | DC\_12A\_n77A14  DC\_66A\_n77A14 |
| DC\_12A-66A\_n77(2A) 14  DC\_12A-66A-66A\_n77(2A) 14 | DC\_12A\_n77A14  DC\_66A\_n77A14 |
| DC\_12A-66A\_n78A | DC\_12A\_n78A  DC\_66A\_n78A |
| DC\_12A-66A\_n78(2A) | DC\_12A\_n78A  DC\_66A\_n78A |
| DC\_12A\_n66A-n78A | DC\_12A\_n66A  DC\_12A\_n78A |
| DC\_12A\_n66(2A)-n78A  DC\_12A\_n66A-n78(2A)  DC\_12A\_n66(2A)-n78(2A) | DC\_12A\_n66A  DC\_12A\_n78A |
| DC\_13A\_n2A-n77A14  DC\_13A\_n2A-n77C14 | DC\_13A\_n2A  DC\_13A\_n77A14 |
| DC\_13A\_n5A-n48A | DC\_13A\_n48A |
| DC\_13A\_n5A-n77A14  DC\_13A\_n5A-n77C14 | DC\_13A\_n77A14 |
| DC\_13A\_n7A-n78A | DC\_13A\_n7A  DC\_13A\_n78A |
| DC\_13A\_n25A-n66A | DC\_13A\_n25A DC\_13A\_n66A |
| DC\_13A-46A\_n2A3 | DC\_13A\_n2A |
| DC\_13A-46A\_n5A | DC\_13A\_n5A |
| DC\_13A-46A\_n66A3 | DC\_13A\_n66A |
| DC\_13A-46A\_n77A  DC\_13A-46A-46A\_n77A | DC\_13A\_n77A |
| DC\_13A\_n48A-n66A | DC\_13A\_n48A  DC\_13A\_n66A |
| DC\_13A-66A\_n2A  DC\_13A-66B\_n2A  DC\_13A-66C\_n2A | DC\_13A\_n2A  DC\_66A\_n2A |
| DC\_13A-66A-66A\_n2A | DC\_13A\_n2A  DC\_66A\_n2A |
| DC\_13A-66A\_n5A  DC\_13A-66A-66A\_n5A | DC\_13A\_n5A  DC\_66A\_n5A |
| 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-66B\_n66A | DC\_13A\_n66A |
| DC\_13A-66A-66A\_n66A | DC\_13A\_n66A |
| DC\_13A-66A\_n77A14  DC\_13A-66A\_n77C14  DC\_13A-66A-66A\_n77C14 | DC\_13A\_n77A14  DC\_66A\_n77A14 |
| DC\_13A-66A-66A\_n77A | DC\_13A\_n77A14  DC\_66A\_n77A14 |
| DC\_13A\_n66A-n77A14  DC\_13A\_n66A-n77C14 | DC\_13A\_n66A  DC\_13A\_n77A14 |
| DC\_13A-48A\_n2A  DC\_13A-48B\_n2A  DC\_13A-48C\_n2A  DC\_13A-48D\_n2A  DC\_13A-48E\_n2A | DC\_13A\_n2A |
| DC\_13A-48A\_n66A  DC\_13A-48B\_n66A  DC\_13A-48C\_n66A  DC\_13A-48D\_n66A  DC\_13A-48E\_n66A | DC\_13A\_n66A |
| DC\_13A-48A\_n77A14,15,16  DC\_13A-48A\_n77C14,15,16  DC\_13A-48C\_n77A14,15,16  DC\_13A-48C\_n77C14,15,16  DC\_13A-48D\_n77A14,15,16  DC\_13A-48D\_n77C14,15,16  DC\_13A-48A-48A\_n77A14,15,16 | DC\_13A\_n77A14 |
| DC\_14A-30A\_n2A | DC\_14A\_n2A  DC\_30A\_n2A |
| DC\_14A-30A\_n5A | DC\_14A\_n5A  DC\_30A\_n5A |
| DC\_14A-30A\_n66A | DC\_14A\_n66A  DC\_30A\_n66A |
| DC\_14A-30A\_n77A14 | DC\_14A\_n77A14  DC\_30A\_n77A14 |
| DC\_14A-30A\_n77(2A) 14 | DC\_14A\_n77A14  DC\_30A\_n77A14 |
| DC\_14A-66A\_n2A | DC\_14A\_n2A  DC\_66A\_n2A |
| DC\_14A-66A-66A\_n2A | DC\_14A\_n2A  DC\_66A\_n2A |
| DC\_14A-66A\_n5A | DC\_14A\_n5A  DC\_66A\_n5A |
| DC\_14A-66A-66A\_n5A | DC\_14A\_n5A  DC\_66A\_n5A |
| DC\_14A-66A\_n30A  DC\_14A-66A-66A\_n30A | DC\_14A\_n30A  DC\_66A\_n30A |
| DC\_14A-66A\_n66A | DC\_14A\_n66A  DC\_66A\_n66A2 |
| DC\_14A-66A\_n77A14  DC\_14A-66A-66A\_n77A14 | DC\_14A\_n77A14  DC\_66A\_n77A14 |
| DC\_14A-66A\_n77(2A) 14  DC\_14A-66A-66A\_n77(2A) 14 | DC\_14A\_n77A14  DC\_66A\_n77A14 |
| DC\_18A\_n3A-n41A | DC\_18A\_n3A  DC\_18A\_n41A |
| DC\_18A\_n3A-n77A | DC\_18A\_n3A  DC\_18A\_n77A |
| DC\_18A\_n3A-n78A | DC\_18A\_n3A  DC\_18A\_n78A |
| DC\_18A\_n28A-n41A | DC\_18A\_n28A  DC\_18A\_n41A |
| DC\_18A-28A\_n77A5 | DC\_18A\_n77A  DC\_28A\_n77A |
| DC\_18A\_n28A-n77A5 | DC\_18A\_n28A  DC\_18A\_n77A |
| DC\_18A\_n28A-n77(2A)5 | DC\_18A\_n28A  DC\_18A\_n77A |
| DC\_18A-28A\_n78A5 | DC\_18A\_n78A  DC\_28A\_n78A |
| DC\_18A\_n28A-n78A5 | DC\_18A\_n28A  DC\_18A\_n78A |
| DC\_18A\_n28A-n78(2A)5 | DC\_18A\_n28A  DC\_18A\_n78A |
| DC\_18A-28A\_n79A5 | DC\_18A\_n79A  DC\_28A\_n79A |
| DC\_18A-41A\_n3A  DC\_18A-41C\_n3A | DC\_18A\_n3A  DC\_41A\_n3A  DC\_41C\_n3A |
| DC\_18A-41A\_n77A  DC\_18A-41C\_n77A | DC\_18A\_n77A  DC\_41A\_n77A  DC\_41C\_n77A |
| DC\_18A-41A\_n78A  DC\_18A-41C\_n78A | DC\_18A\_n78A  DC\_41A\_n78A  DC\_41C\_n78A |
| DC\_18A\_n41A-n77A | DC\_18A\_n41A  DC\_18A\_n77A |
| DC\_18A\_n41A-n77(2A) | DC\_18A\_n41A  DC\_18A\_n77A |
| DC\_18A-42A\_n77A15,16  DC\_18A-42C\_n77A15,16 | DC\_18A\_n77A |
| DC\_18A\_n41A-n78A | DC\_18A\_n41A  DC\_18A\_n78A |
| DC\_18A\_n41A-n78(2A) | DC\_18A\_n41A  DC\_18A\_n78A |
| DC\_18A-42A\_n78A15,16  DC\_18A-42C\_n78A15,16 | DC\_18A\_n78A |
| DC\_18A-42A\_n79A  DC\_18A-42C\_n79A | DC\_18A\_n79A |
| DC\_19A-21A\_n1A | DC\_19A\_n1A  DC\_21A\_n1A |
| DC\_19A\_n1A-n77A5 | DC\_19A\_n1A  DC\_19A\_n77A |
| DC\_19A\_n1A-n78A5 | DC\_19A\_n1A  DC\_19A\_n78A |
| DC\_19A\_n1A-n79A5 | DC\_19A\_n1A  DC\_19A\_n79A |
| DC\_19A-21A\_n77A5,14  DC\_19A-21A\_n77C5 | DC\_19A\_n77A14  DC\_21A\_n77A14 |
| DC\_19A-21A\_n77(2A)5,14 | DC\_19A\_n77A14  DC\_21A\_n77A14 |
| DC\_19A-21A\_n78A514  DC\_19A-21A\_n78C5 | DC\_19A\_n78A14  DC\_21A\_n78A14 |
| DC\_19A-21A\_n78(2A)514 | DC\_19A\_n78A14  DC\_21A\_n78A14 |
| DC\_19A-21A\_n79A5,14  DC\_19A-21A\_n79C5 | DC\_19A\_n79A14  DC\_21A\_n79A14 |
| DC\_19A-42A\_n1A5,10,12  DC\_19A-42C\_n1A5,10,12 | DC\_19A\_n1A  DC\_42A\_n1A |
| DC\_19A-42A\_n77A14,15,16  DC\_19A-42A\_n77C15,16  DC\_19A-42C\_n77A14,15,16  DC\_19A-42C\_n77C15,16  DC\_19A-42D\_n77A15,16  DC\_19A-42D\_n77C15,16 | DC\_19A\_n77A14 |
| DC\_19A-42A\_n78A14,15,16  DC\_19A-42A\_n78C15,16  DC\_19A-42C\_n78A14,15,16  DC\_19A-42C\_n78C15,16  DC\_19A-42D\_n78A15,16  DC\_19A-42D\_n78C15,16 | DC\_19A\_n78A14 |
| DC\_19A-42A\_n79A14  DC\_19A-42A\_n79C  DC\_19A-42C\_n79A14  DC\_19A-42C\_n79C  DC\_19A-42D\_n79A  DC\_19A-42D\_n79C | DC\_19A\_n79A14 |
| DC\_19A\_n77A-n79A14 | DC\_19A\_n77A14  DC\_19A\_n79A14 |
| DC\_19A\_n78A-n79A14 | DC\_19A\_n78A14  DC\_19A\_n79A14 |
| DC\_20A\_n1A-n7A | DC\_20A\_n1A  DC\_20A\_n7A |
| DC\_20A\_n1A-n28A16,20 | DC\_20A\_n1A  DC\_20A\_n28A |
| DC\_20A\_n1A-n67A | DC\_20A\_n1A |
| DC\_20A\_n1A-n75A | DC\_20A\_n1A |
| DC\_20A\_n1A-n78A | DC\_20A\_n1A  DC\_20A\_n78A |
| DC\_20A-(n)3AA | DC\_(n)3AA2  DC\_20A\_n3A |
| DC\_20A\_n3A-n38A | DC\_20A\_n3A  DC\_20A\_n38A |
| DC\_20A\_n3A-n67A | DC\_20A\_n3A |
| DC\_20A\_n3A-n78A | DC\_20A\_n3A  DC\_20A\_n78A |
| DC\_20A\_n7A-n28A, 16, 20 | DC\_20A\_n7A  DC\_20A\_n28A |
| DC\_20A\_n7A-n78A | DC\_20A\_n7A  DC\_20A\_n78A |
| DC\_20A\_n8A-n75A6 | DC\_20A\_n8A |
| DC\_20A\_n8A-n78A | DC\_20A\_n78A  DC\_20A\_n8A |
| DC\_20A-28A\_n1A | DC\_20A\_n1A  DC\_28A\_n1A |
| DC\_20A-28A\_n3A | DC\_20A\_n3A  DC\_28A\_n3A |
| DC\_20A-28A\_n78A | DC\_20A\_n78A  DC\_28A\_n78A |
| DC\_20A\_n28A-n75A6,16,20 | DC\_20A\_n28A |
| DC\_20A\_n28A-n78A5,6,16,20 | DC\_20A\_n28A  DC\_20A\_n78A |
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| DC\_20A-32A\_n3A | DC\_20A\_n3A |
| DC\_20A-32A\_n8A | DC\_20A\_n8A |
| DC\_20A-32A\_n28A16,20 | DC\_20A\_n28A |
| DC\_20A-32A\_n7A | DC\_20A\_n7A |
| DC\_20A-32A\_n78A  DC\_20A-32A\_n78C | DC\_20A\_n78A |
| DC\_20A-32A\_n78(2A) | DC\_20A\_n78A |
| DC\_20A-38A\_n1A | DC\_20A\_n1A  DC\_38A\_n1A |
| DC\_20A-38A\_n3A | DC\_20A\_n3A |
| DC\_20A-38A\_n8A | DC\_38A\_n8A |
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| DC\_20A-38A\_n78A | DC\_20A\_n78A  DC\_38A\_n78A |
| DC\_20A-38A\_n78(2A) | DC\_20A\_n78A |
| DC\_20A\_n38A-n78A | DC\_20A\_n38A  DC\_20A\_n78A |
| DC\_20A-40A\_n1A  DC\_20A-40C\_n1A | DC\_20A\_n1A  DC\_40A\_n1A |
| DC\_20A-40A\_n78A  DC\_20A-40C\_n78A | DC\_20A\_n78A  DC\_40A\_n78A |
| DC\_20A-40A\_n78(2A)  DC\_20A-40C\_n78(2A) | DC\_20A\_n78A  DC\_40A\_n78A |
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| DC\_20A-41C\_n1A | DC\_20A\_n1A  DC\_41A\_n1A  DC\_41C\_n1A |
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| DC\_20A-41C\_n78A | DC\_20A\_n78A  DC\_41A\_n78A  DC\_41C\_n78A |
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| DC\_20A\_n76A-n78A5 | DC\_20A\_n78A |
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| 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\_n78A  DC\_20A\_n92A\_ULSUP-TDM\_n78A |
| DC\_20A\_n78(2A)-n92A | DC\_20A\_n78A  DC\_20A\_n92A\_ULSUP-TDM\_n78A |
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| DC\_21A\_n1A-n78A5 | DC\_21A\_n1A  DC\_21A\_n78A |
| DC\_21A\_n1A-n79A5 | DC\_21A\_n1A  DC\_21A\_n79A |
| DC\_21A-28A\_n77A5  DC\_21A-28A\_n77C | DC\_21A\_n77A  DC\_28A\_n77A |
| DC\_21A\_n28A-n77A5,13 | DC\_21A\_n28A  DC\_21A\_n77A |
| DC\_21A-28A\_n78A5  DC\_21A-28A\_n78C | DC\_21A\_n78A  DC\_28A\_n78A |
| DC\_21A\_n28A-n78A5,13 | DC\_21A\_n28A  DC\_21A\_n78A |
| DC\_21A-28A\_n79A5  DC\_21A-28A\_n79C | DC\_21A\_n79A  DC\_28A\_n79A |
| DC\_21A\_n28A-n79A5,13 | DC\_21A\_n28A  DC\_21A\_n79A |
| DC\_21A-42A\_n1A510,12  DC\_21A-42C\_n1A510,12 | DC\_21A\_n1A  DC\_42A\_n1A |
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| DC\_28A-38A\_n1A | DC\_28A\_n1A  DC\_38A\_n1A |
| DC\_28A-38A\_n78A | DC\_28A\_n78A  DC\_38A\_n78A |
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| DC\_28A-66A\_n66A | DC\_28A\_n66A  DC\_66A\_n66A2 |
| DC\_21A\_n77A-n79A14, 23 | DC\_21A\_n77A14  DC\_21A\_n79A14 |
| DC\_21A\_n78A-n79A14, 23 | DC\_21A\_n78A14  DC\_21A\_n79A14 |
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| DC\_25A-25A-(n)41AA | DC\_25A\_n41A  DC\_(n)41AA |
| DC\_25A-(n)41CA  DC\_25A-(n)41DA | DC\_25A\_n41A  DC\_(n)41AA  DC\_41A\_n41A |
| DC\_25A-25A-(n)41CA  DC\_25A-25A-(n)41DA | DC\_25A\_n41A  DC\_(n)41AA  DC\_41A\_n41A |
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| DC\_25A-66A\_n78A | DC\_25A\_n78A  DC\_66A\_n78A |
| DC\_25A-25A-66A\_n78A | DC\_25A\_n78A  DC\_66A\_n78A |
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| DC\_28A-40A\_n78A  DC\_28A-40C\_n78A | DC\_28A\_n78A  DC\_40A\_n78A |
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| DC\_28A\_n3A-n77A5 | DC\_28A\_n3A  DC\_28A\_n77A |
| DC\_28A\_n3A-n78A5 | DC\_28A\_n3A  DC\_28A\_n78A |
| DC\_28A\_n5A-n78A5 | DC\_28A\_n5A  DC\_28A\_n78A |
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| DC\_28A\_n7B-n78A | DC\_28A\_n7A  DC\_28A\_n7B  DC\_28A\_n78A |
| DC\_28A\_n8A-n78A5 | DC\_28A\_n8A  DC\_28A\_n78A |
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| DC\_29A-30A\_n66A | DC\_30A\_n66A |
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| DC\_41C\_n1A-n3A | DC\_41A\_n1A  DC\_41A\_n3A |
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| DC\_41C\_n1A-n77A | DC\_41A\_n1A  DC\_41A\_n77A  DC\_41C\_n77A |
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| DC\_41C\_n1A-n78A | DC\_41A\_n1A  DC\_41A\_n78A |
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| DC\_41C\_n28A-n77A | DC\_41A\_n28A  DC\_41A\_n77A  DC\_41C\_n28A  DC\_41C\_n77A |
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| DC\_41C\_n28A-n78A | DC\_41A\_n28A  DC\_41A\_n78A  DC\_41C\_n28A  DC\_41C\_n78A |
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| DC\_42C\_n1A-n3A5, | DC\_42A\_n1A  DC\_42A\_n3A  DC\_42C\_n1A  DC\_42C\_n3A |
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| DC\_42C\_n1A-n77A15,16 | DC\_42A\_n1A  DC\_42C\_n1A |
| DC\_42A\_n1A-n78A15,16  DC\_42C\_n1A-n78A15,16 | N/A |
| DC\_42A\_n1A-n79A  DC\_42C\_n1A-n79A | N/A |
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| DC\_42C\_n3A-n28A | DC\_42A\_n3A  DC\_42A\_n28A  DC\_42C\_n28A |
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| DC\_42A\_n3A-n77(2A)15,16 | DC\_42A\_n3A |
| DC\_42C\_n3A-n77A15,16 | DC\_42A\_n3A  DC\_42C\_n3A |
| DC\_42C\_n3A-n77(2A)15,16 | DC\_42A\_n3A  DC\_42C\_n3A |
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| DC\_46A-48A\_n5A3  DC\_46C-48A\_n5A3  DC\_46D-48A\_n5A3  DC\_46E-48A\_n5A3 | DC\_48A\_n5A |
| DC\_46A-48A\_n66A3  DC\_46C-48A\_n66A3  DC\_46D-48A\_n66A3  DC\_46E-48A\_n66A3 | DC\_48A\_n66A |
| DC\_46A-66A\_n5A  DC\_46C-66A\_n5A  DC\_46D-66A\_n5A  DC\_46E-66A\_n5A  DC\_46A-66A-66A\_n5A  DC\_46C-66A-66A\_n5A  DC\_46D-66A-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\_46A-66A\_n77A  DC\_46A-46A-66A\_n77A | DC\_66A\_n77A |
| DC\_48A-(n)5AA | DC\_48A\_n5A  DC\_(n)5AA2 |
| DC\_48A-(n)12AA | DC\_48A\_n12A  DC\_(n)12AA2 |
| DC\_48A\_n25A-n48A | DC\_48A\_n25A |
| DC\_48A\_n48A-n66A | DC\_48A\_n66A |
| DC\_48A-66A\_n2A  DC\_48C-66A\_n2A  DC\_48D-66A\_n2A  DC\_48E-66A\_n2A | DC\_66A\_n2A  DC\_48A\_n2A |
| DC\_48A-66A\_n5A  DC\_48B-66A\_n5A  DC\_48C-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\_n25A  DC\_48C-66A\_n25A  DC\_48D-66A\_n25A | DC\_48A\_n25A  DC\_66A\_n25A |
| DC\_48A-66A\_n48A | DC\_66A\_n48A |
| DC\_48A-66A\_n66A  DC\_48C-66A\_n66A  DC\_48D-66A\_n66A  DC\_48E-66A\_n66A | DC\_66A\_n66A2  DC\_48A\_n66A |
| DC\_48A-66A\_n71A | DC\_48A\_n71A  DC\_66A\_n71A |
| DC\_48A-66A\_n77A14,15,16  DC\_48A-66A\_n77C14,15,16  DC\_48C-66A\_n77A14,15,16  DC\_48C-66A\_n77C14,15,16  DC\_48D-66A\_n77A14,15,16  DC\_48D-66A\_n77C14,15,16  DC\_48E-66A\_n77A14,15,16 | DC\_66A\_n77A14 |
| DC\_48A-48A-66A\_n77A14,15,16 | DC\_66A\_n77A |
| DC\_67A-(n)3AA | DC\_(n)3AA2 |
| DC\_66A-(n)5AA | DC\_66A\_n5A  DC\_(n)5AA2 |
| DC\_66A-66A-(n)5AA | DC\_66A\_n5A  DC\_(n)5AA2 |
| DC\_66A\_n2A-n38A | DC\_66A\_n2A  DC\_66A\_n38A |
| DC\_66A\_n2A-n66A | DC\_66A\_n2A |
| DC\_66A\_n2A-n71A | DC\_66A\_n2A  DC\_66A\_n71A |
| DC\_66A\_n2A-n77A14  DC\_66A\_n2A-n77C14  DC\_66A-66A\_n2A-n77C14 | DC\_66A\_n2A  DC\_66A\_n77A14 |
| DC\_66A-66A\_n2A-n77A14 | DC\_66A\_n2A  DC\_66A\_n77A14 |
| DC\_66A\_n2A-n78A | DC\_66A\_n2A DC\_66A\_n78A |
| DC\_66A\_n5A-n48A | DC\_66A\_n5A  DC\_66A\_n48A |
| DC\_66A\_n5A-n77A14  DC\_66A\_n5A-n77C14  DC\_66A-66A\_n5A-n77C14 | DC\_66A\_n5A  DC\_66A\_n77A14 |
| DC\_66A-66A\_n5A-n77A14 | DC\_66A\_n5A  DC\_66A\_n77A14 |
| DC\_66A\_n7A-n78A | DC\_66A\_n7A  DC\_66A\_n78A |
| DC\_66A-66A\_n7A-n78A | DC\_66A\_n7A  DC\_66A\_n78A |
| DC\_66A\_n7(2A)-n78A | DC\_66A\_n7A  DC\_66A\_n78A |
| DC\_66A-66A\_n7(2A)-n78A | DC\_66A\_n7A  DC\_66A\_n78A |
| DC\_66A\_n7A-n78(2A) | DC\_66A\_n7A  DC\_66A\_n78A |
| DC\_66A-66A\_n7A-n78(2A) | DC\_66A\_n7A  DC\_66A\_n78A |
| DC\_66A\_n7(2A)-n78(2A) | DC\_66A\_n7A  DC\_66A\_n78A |
| DC\_66A-66A\_n7(2A)-n78(2A) | DC\_66A\_n7A  DC\_66A\_n78A |
| DC\_66A\_n12A-n77A | DC\_66A\_n77A  DC\_66A\_n12A |
| DC\_66A\_n25A-n71A | DC\_66A\_n25A  DC\_66A\_n71A |
| DC\_66A\_n38A-n66A | DC\_66A\_n38A  DC\_66A\_n66A2 |
| DC\_66A\_n38A-n78A | DC\_66A\_n38A  DC\_66A\_n78A |
| DC\_66A\_n66A-n77A14  DC\_66A\_n66A-n77C14 | DC\_66A\_n77A14 |
| 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\_n25A-n48A | DC\_66A\_n25A  DC\_66A\_n48A |
| DC\_66A\_n25A-n66A | DC\_66A\_n25A DC\_66A\_n66A2 |
| DC\_66A\_n38A-n71A | DC\_66A\_n38A  DC\_66A\_n71A |
| 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\_n66A-n71A | DC\_66A\_n66A  DC\_66A\_n71A |
| DC\_66A-71A\_n2A | DC\_71A\_n2A  DC\_66A\_n2A |
| DC\_66A-71A\_n7A | DC\_66A\_n7A  DC\_71A\_n7A |
| DC\_66A-71A\_n25A | DC\_66A\_n25A  DC\_71A\_n25A |
| DC\_66A-71A\_n38A | DC\_71A\_n38A  DC\_66A\_n38A |
| DC\_66A-71A\_n41A | DC\_66A\_n41A  DC\_71A\_n41A |
| DC\_66A-71A\_n66A | DC\_71A\_n66A  DC\_66A\_n66A2 |
| DC\_66A-71A\_n71A | DC\_66A\_n71A |
| DC\_66A-71A\_n77A | DC\_66A\_n77A  DC\_71A\_n77A |
| DC\_66A-71A\_n77(2A) | DC\_66A\_n77A  DC\_71A\_n77A |
| DC\_66A\_n71A-n77A | DC\_66A\_n71A  DC\_66A\_n77A |
| DC\_66A-71A\_n78A | DC\_71A\_n78A  DC\_66A\_n78A |
| DC\_66A-71A\_n78(2A) | DC\_71A\_n78A  DC\_66A\_n78A |
| DC\_66A\_n71A-n78A | DC\_66A\_n71A  DC\_66A\_n78A |
| DC\_66A\_SUL\_n78A-n86A5 | DC\_66A\_n78A  DC\_66A\_n86A\_ULSUP-TDM\_n78A |
| DC\_66A\_SUL\_n78(2A)-n86A5 | DC\_66A\_n78A  DC\_66A\_n86A\_ULSUP-TDM\_n78A |
| DC\_71A\_n2A-n41A | DC\_71A\_n2A  DC\_71A\_n41A |
| DC\_71A\_n2A-n66A | DC\_71A\_n2A  DC\_71A\_n66A |
| DC\_71A\_n2A-n77A | DC\_71A\_n77A  DC\_71A\_n2A |
| DC\_71A\_n2A-n78A | DC\_71A\_n2A  DC\_71A\_n78A |
| DC\_71A\_n38A-n66A | DC\_71A\_n38A  DC\_71A\_n66A |
| DC\_71A\_n38A-n78A | DC\_71A\_n38A  DC\_71A\_n78A |
| DC\_71A\_n66A-n77A | DC\_71A\_n66A  DC\_71A\_n77A |
| DC\_71A\_n66A-n78A | DC\_71A\_n66A  DC\_71A\_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: N/A  NOTE 7: Void.  NOTE 8: Void  NOTE 9: Void  NOTE 10: The frequency range in band n1 is restricted for this band combination to 1940 - 1960 MHz for the UL and 2130-2150 MHz for the DL.  NOTE 11: The frequency range in band 3 is restricted for this band combination to 1765 - 1785 MHz for the UL and 1860-1880 MHz for the DL.  NOTE 12: The frequency range in band 42 is restricted for this band combination to 3440 - 3520 MHz.  NOTE 13: The frequency range in band n28 is restricted for this band combination to 728 - 738 MHz for the UL and 783 - 793 MHz for the DL.  NOTE 14: PC3 or PC2 Uplink EN-DC configuration is applicable to EN-DC configurations.  NOTE 15: For UEs not indicating *interBandMRDC-WithOverlapDL-Bands-r16*, the minimum requirements for intra-band non-contiguous EN-DC apply for the Band 42/48 and Band n77/n78 combination and for the Band 2 and Band n25 combinations. For UEs not indicating *interBandMRDC-WithOverlapDL-Bands-r16*, when UE capability *interBandContiguousMRDC* is indicated, the minimum requirements for intra-band-contiguous EN-DC also should be met in addtion to intra-band non-contiguous EN-DC*.*  NOTE 16: 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 17: Void.  NOTE 18: Void.  NOTE 19: The implementation with 3 low-band antennas is targeted for FWA form factor for this band combination in Release 17.  NOTE 20: 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.  NOTE 21: The downlink DC\_2\_n2 RESSENS requirements only apply when the band n2 downlink carrier is configured closer to the uplink operating band than the E-UTRA Band 2 downlink carrier.  NOTE 22: The frequency range in band 28 is restricted for this band combination to 703 - 733 MHz for the UL and 758 - 788 MHz for the DL.  NOTE 23: The minimum requirements apply only when there is non-simultaneous Rx/Tx operation between n77-n79 NR carriers. This restriction applies also for these carriers when applicable EN-DC configuration is part of a higher order configuration.  NOTE 24: For UEs supporting band n77, the minimum requirements apply only when there is non-simultaneous Rx/Tx operation between n78-n79 NR carriers. This restriction applies also for these carriers when applicable EN-DC configuration is part of a higher order configuration. | |

<<< NEXT CHANGE >>>

##### 7.3B.2.3.5 MSD for intermodulation interference due to dual uplink operation for EN-DC in NR FR1

Table 7.3B.2.3.5.1-1a: MSD test points for PCell due to dual uplink operation for PC2 EN-DC in NR FR1 (two bands)

| **NR or E-UTRA Band / Channel bandwidth / NRB / MSD** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **EN-DC**  **Configuration** | **EUTRA or NR band** | **UL Fc  (MHz)** | **UL/DL BW  (MHz)** | **UL  LCRB** | **DL Fc (MHz)** | **MSD  (dB)** | **IMD order** |
| DC\_1A\_n77A  DC\_1A\_n77(2A) | 1 | 1950 | 5 | 25 | 2140 | 35.8 | IMD21 |
| n77 | 4090 | 10 | 50 | 4090 | N/A | N/A |
| 1 | 1950 | 5 | 25 | 2140 | 17.8 | IMD41 |
| n77 | 3710 | 10 | 50 | 3710 | N/A | N/A |
| DC\_3A\_n41A | 3 | 1740 | 5 | 25 | 1835 | 18.4 | IMD4 |
|  | n41 | 2657.5 | 10 | 50 | 2657.5 | N/A | N/A |
| DC\_3A\_n78A | 3 | 1740 | 5 | 25 | 1835 | 31.9 | IMD2 |
| DC\_3A-3A\_n78A | n78 | 3575 | 10 | 50 | 3575 | N/A | N/A |
| DC\_3A\_n78A | 3 | 1765 | 5 | 25 | 1860 | 18.5 | IMD4 |
| DC\_3A-3A\_n78A  DC\_3A\_n78(2A)  DC\_3C\_n78A  DC\_3C\_n78(2A) | n78 | 3435 | 10 | 50 | 3435 | N/A | N/A |
| DC\_1A\_n78A | 1 | 1950 | 5 | 25 | 2140 | 17.8 | IMD4 |
| n78 | 3710 | 10 | 50 | 3710 | N/A | N/A |
| DC\_8A\_n78A  DC\_8A\_n78(2A) | 8 | 897.5 | 5 | 25 | 942.5 | 15.5 | IMD4 |
|  | n78 | 3635 | 10 | 50 | 3635 | N/A | N/A |
| DC\_2A\_n77A  DC\_2A-2A\_n77A  DC\_2A\_n77C  DC\_2A-2A\_n77C  DC\_2A\_n77(2A)  DC\_2A-2A\_n77(2A) | 2 | 1855 | 5 | 25 | 1935 | 32.10 | IMD2 |
|  |
| n77 | 3790 | 10 | 50 | 3790 | N/A | N/A |
| 2 | 1900 | 5 | 25 | 1980 | 19.10 | IMD41 |
|  |
| n77 | 3720 | 10 | 50 | 3720 | N/A | N/A |
| DC\_3A\_n77A  DC\_3A\_n77(2A) | 3 | 1740 | 5 | 25 | 1835 | 31.9 | IMD21 |
| n77 | 3575 | 10 | 50 | 3575 | N/A | N/A |
| 3 | 1765 | 5 | 25 | 1860 | 18.5 | IMD41 |
| n77 | 3435 | 10 | 50 | 3435 | N/A | N/A |
| DC\_5A\_n77A3  DC\_5A\_n77C3  DC\_5A\_n77(2A)3 | 5 | 844 | 5 | 25 | 889 | 18.60 | IMD41 |
| n77 | 3421 | 10 | 50 | 3421 | N/A | N/A |
| DC\_13A\_n77A  DC\_13A\_n77C | 13 | 782 | 5 | 20 | 751 | 15.37 | IMD5 |
| n77 | 3879 | 10 | 50 | 3879 | N/A | N/A |
| DC\_66A\_n77A  DC\_66A-66A\_n77A  DC\_66A-66A-66A\_n77A  DC\_66A\_n77C  DC\_66A-66A\_n77C  DC\_66A-66A-66A\_n77C  DC\_66A\_n77(2A)  DC\_66A-66A\_n77(2A)  DC\_66A-66A-66A\_n77(2A) | 66 | 1775 | 5 | 25 | 2175 | 34.33 | IMD2 |
| n77 | 3950 | 10 | 50 | 3950 | N/A | N/A |
| 66 | 1760 | 5 | 25 | 2160 | 11.27 | IMD5 |
| n77 | 3720 | 10 | 50 | 3720 | N/A | N/A |
| DC\_5A\_n78A | 5 | 844 | 5 | 25 | 889 | 17.5 | IMD4 |
|  | n78 | 3421 | 10 | 52 | 3421 | N/A | N/A |
| DC\_8A\_n77A  DC\_8A\_n77(2A) | 8 | 897.5 | 5 | 25 | 942.5 | 15.5 | IMD4 |
| n77 | 3635 | 10 | 50 | 3635 | N/A | N/A |
| DC\_12A\_n77A  DC\_12A\_n77(2A) | 12 | 702 | 5 | 20 | 732 | 11.7 | IMD5 |
|  | n77 | 3540 | 10 | 50 | 3540 | N/A | N/A |
| DC\_14A\_n77A  DC\_14A\_n77(2A) | 14 | 795.5 | 5 | 15 | 765.5 | 11.7 | IMD5 |
|  | n77 | 3947.5 | 10 | 50 | 3947.5 | N/A | N/A |
| DC\_19A\_n77A  DC\_19A\_n77(2A) | 19 | 836.5 | 5 | 25 | 881.5 | 25.3 | IMD4 |
| n77 | 3391 | 10 | 50 | 3391 | N/A | N/A |
| 19 | 832.5 | 5 | 25 | 877.5 | 8.1 | IMD5 |
| n77 | 4195 | 10 | 50 | 4195 | N/A | N/A |
| DC\_19A\_n78A  DC\_19A\_n78(2A) | 19 | 836.5 | 5 | 25 | 881.5 | 25.3 | IMD4 |
|  | n78 | 3391 | 10 | 50 | 3391 | N/A | N/A |
| DC\_28A\_n77A | 28 | 705.5 | 5 | 25 | 760.5 | 19.2 | IMD5 |
|  | n77 | 3582.5 | 10 | 50 | 3582.5 | N/A | N/A |
| DC\_30A\_n77A  DC\_30A\_n77(2A) | 30 | 2310 | 5 | 25 | 2355 | 17.6 | IMD4 |
|  | n77 | 3487.5 | 10 | 50 | 3487.5 | N/A | N/A |
| DC\_28A\_n78A | 28 | 705.5 | 5 | 25 | 760.5 | 11.7 | IMD5 |
|  | n78 | 3582.5 | 10 | 50 | 3582.5 | N/A | N/A |
| DC\_21A\_n79A | 21 | 1457.5 | 5 | 25 | 1505.5 | 33.4 | IMD3 |
|  | n79 | 4420.5 | 10 | 50 | 4420.5 | N/A | N/A |
| DC\_71A\_n77A3 | 71 | 681.5 | 5 | 25 | 635.5 | 11.4 | IMD5 |
|  | n77 | 3361.5 | 10 | 50 | 3361.5 | N/A | N/A |
| NOTE 1: This band is subject to IMD5 also which MSD is not specified.  NOTE 2: Void  NOTE 3: For a UE which supports this band combination only when the Band n77 frequency range restriction defined in NOTE 12 of Table 5.2-1 from TS 38.101-1 applies, the MSD test point(s) cannot be verified for the band combination and the test point(s) can be skipped.  NOTE 4: E-UTRA carrier shall be set to min(+23 dBm, PCMAX\_L\_E-UTRA,c) and NR carrier shall be set to min(+23 dBm, PCMAX\_L,f,c,NR) as defined in clause 6.2B.4.1.3. | | | | | | | |

Table 7.3B.2.3.5.2-1a: MSD test points for SCell due to dual uplink operation for PC2 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\_n77A  DC\_1A-3A\_n77(2A)  DC\_1A-3C\_n77A  DC\_1A-3C\_n77(2A) | 1 | 1950 | 5 | 25 | 2140 | N/A | N/A | |
| 3 | 1712.5 | 5 | 25 | 1807.5 | 37.5 | IMD21 | |
| 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 | 20.5 | IMD41 | |
| n77 | 3980 | 10 | 50 | 3980 | N/A | N/A | |
| 1 | 1950 | 5 | 25 | 2140 | 37.0 | IMD21 | |
| 3 | 1775 | 5 | 25 | 1870 | N/A | N/A | |
| n77 | 3915 | 10 | 50 | 3915 | N/A | N/A | |
| DC\_1A-3A\_n78A  DC\_1A-3A\_n78(2A) | 1 | 1950 | 5 | 25 | 2140 | N/A | | N/A |
| DC\_1A-3C\_n78A  DC\_1A-3C\_n78(2A) | 3 | 1712.5 | 5 | 25 | 1807.5 | 37.2 | | IMD21 |
|  | n78 | 3757.5 | 10 | 50 | 3757.5 | N/A | | N/A |
|  | 1 | 1935 | 5 | 25 | 2125 | 17.8 | | IMD5 |
|  | 3 | 1775 | 5 | 25 | 1870 | N/A | | N/A |
|  | n78 | 3725 | 10 | 50 | 3725 | N/A | | N/A |
| DC\_1A-3A\_n79A | 1 | 1950 | 5 | 25 | 2140 | 24.6 | | IMD5 |
|  | 3 | 1750 | 5 | 25 | 1845 | N/A | | N/A |
|  | n79 | 4860 | 10 | 50 | 4860 | N/A | | N/A |
| DC\_1A-5A\_n78A | 1 | 1930 | 5 | 25 | 2120 | 19.2 | IMD4 | |
| 5 | 844 | 5 | 25 | 889 | N/A | N/A | |
| n78 | 3670 | 10 | 52 | 3670 | N/A | N/A | |
| 1 | 1950 | 5 | 25 | 2140 | N/A | N/A | |
| 5 | 844 | 5 | 25 | 889 | 19.2 | IMD4 | |
| n78 | 3421 | 10 | 52 | 3421 | N/A | N/A | |
| 1 | 1932 | 5 | 25 | 2122 | 27.0 | IMD3 | |
| 5 | 829 | 5 | 25 | 874 | N/A | N/A | |
| n78 | 3780 | 10 | 52 | 3780 | N/A | N/A | |
| 1 | 1975 | 5 | 25 | 2165 | N/A | N/A | |
| 5 | 840 | 5 | 25 | 885 | 13.2 | IMD5 | |
| n78 | 3405 | 10 | 52 | 3405 | N/A | N/A | |
| DC\_1A-7A\_n78A | 1 | 1930 | 5 | 25 | 2120 | 19.2 | IMD4 | |
| 7 | 2550 | 5 | 25 | 2670 | N/A | N/A | |
| n78 | 3670 | 10 | 52 | 3670 | N/A | N/A | |
| 1 | 1977.5 | 5 | 25 | 2167.5 | N/A | N/A | |
| 7 | 2507.5 | 5 | 25 | 2627.5 | 20.2 | IMD4 | |
| n78 | 3305 | 10 | 52 | 3305 | N/A | N/A | |
| 1 | 1950 | 5 | 25 | 2140 | 19.7 | IMD4 | |
| 7 | 2510 | 10 | 50 | 2630 | N/A | N/A | |
| n78 | 3580 | 10 | 52 | 3580 | N/A | N/A | |
| DC\_1A-19A\_n77A  DC\_1A-19A\_n77(2A) | 1 | 1940 | 5 | 25 | 2130 | 26.7 | | IMD3 |
|  | 19 | 832.5 | 5 | 25 | 877.5 | N/A | | N/A |
|  | n77 | 3795 | 10 | 50 | 3795 | N/A | | N/A |
|  | 1 | 1940 | 5 | 25 | 2130 | N/A | | N/A |
|  | 19 | 835 | 5 | 25 | 880 | 18.5 | | IMD5 |
|  | n77 | 3350 | 10 | 50 | 3350 | N/A | | N/A |
| DC\_1A-19A\_n78A  DC\_1A-19A\_n78(2A) | 1 | 1940 | 5 | 25 | 2130 | 26.7 | | IMD3 |
|  | 19 | 832.5 | 5 | 25 | 877.5 | N/A | | N/A |
|  | n78 | 3795 | 10 | 50 | 3795 | N/A | | N/A |
|  | 1 | 1940 | 5 | 25 | 2130 | N/A | | N/A |
|  | 19 | 835 | 5 | 25 | 880 | 18.5 | | IMD5 |
|  | n78 | 3350 | 10 | 50 | 3350 | N/A | | N/A |
| DC\_1A-19A\_n79A | 1 | 1950 | 5 | 25 | 2140 | N/A | | N/A |
|  | 19 | 837.5 | 5 | 25 | 882.5 | 33.3 | | IMD35 |
|  | n79 | 4782.5 | 10 | 50 | 4782.5 | N/A | | N/A |
|  | 1 | 1950 | 5 | 25 | 2140 | 26.1 | | IMD4 |
|  | 19 | 837.5 | 5 | 25 | 882.5 | N/A | | N/A |
|  | n79 | 4652.5 | 10 | 50 | 4652.5 | N/A | | N/A |
| DC\_1A-21A\_n77A  DC\_1A-21A\_n77(2A) | 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 | |
| n77 | 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 | 17.9 | IMD5 | |
| n77 | 3605 | 10 | 50 | 3605 | N/A | N/A | |
| 1 | 1964.6 | 5 | 25 | 2154.6 | 36.6 | IMD21 | |
| 21 | 1450.4 | 5 | 25 | 1498.4 | N/A | N/A | |
| n77 | 3605 | 10 | 50 | 3605 | N/A | N/A | |
| DC\_1A-21A\_n78A  DC\_1A-21A\_n78(2A) | 1 | 1964.6 | 5 | 25 | 2154.6 | 36.6 | IMD2 | |
| 21 | 1450.4 | 5 | 25 | 1498.4 | N/A | N/A | |
| n78 | 3605 | 10 | 50 | 3605 | N/A | N/A | |
| 1 | 1964.6 | 5 | 25 | 2154.6 | 16.2 | IMD5 | |
| 21 | 1450.4 | 5 | 25 | 1498.4 | N/A | N/A | |
| n78 | 3647 | 10 | 50 | 3647 | N/A | N/A | |
| 1 | 1950 | 5 | 25 | 2140 | N/A | N/A | |
| 21 | 1452 | 5 | 25 | 1500 | 37.5 | IMD2 | |
| n78 | 3450 | 10 | 50 | 3450 | N/A | N/A | |
| 1 | 1950 | 5 | 25 | 2140 | N/A | N/A | |
| 21 | 1452 | 5 | 25 | 1500 | 14.9 | IMD5 | |
| n78 | 3675 | 10 | 50 | 3675 | N/A | N/A | |
| DC\_1A-21A\_n79A7,8 | 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-42A\_n79A  DC\_1A-42C\_n79A  DC\_1A-42D\_n79A  DC\_1A-42E\_n79A | 1 | 1977.5 | 5 | 25 | 2167.5 | N/A | | N/A |
|  | 42 | 3490 | 5 | 25 | 3490 | 25.8 | | IMD5 |
|  | n79 | 4420 | 10 | 50 | 4420 | N/A | | N/A |
| DC\_1A\_n78A-n79A | 1 | 1950 | 5 | 25 | 2140 | N/A | | N/A |
|  | n78 | 3410 | 10 | 50 | 3410 | N/A | | N/A |
|  | n79 | 4870 | 10 | 50 | 4870 | 24.9 | | IMD31 |
|  | 1 | 1950 | 5 | 25 | 2140 | N/A | | N/A |
|  | n78 | 3490 | 10 | 50 | 3490 | 22.6 | | IMD5 |
|  | n79 | 4670 | 10 | 50 | 4670 | N/A | | N/A |
| DC\_2A\_n2A-n77A  DC\_2A\_n2A-n77C | 2 | 1875 | 5 | 25 | 1955 | N/A | N/A | |
| n2 | 1855 | 5 | 25 | 1935 | 32.0 | IMD2 | |
|  |
| n77 | 3810 | 10 | 50 | 3810 | N/A | N/A | |
| 2 | 1895 | 5 | 25 | 1975 | N/A | N/A | |
| n2 | 1895 | 5 | 25 | 1975 | 20.0 | IMD41 | |
|  |
| n77 | 3710 | 10 | 50 | 3710 | N/A | N/A | |
| DC\_2A-5A\_n77A2  DC\_2A-5A\_n77(2A)2 DC\_2A-2A-5A\_n77A2  DC\_2A-2A-5A\_n77(2A)2  DC\_2A-5A\_n77C2  DC\_2A-2A-5A\_n77C2 | 2 | 1907.5 | 5 | 25 | 1987.5 | N/A | N/A | |
| 5 | 842.5 | 5 | 25 | 887.5 | 13.6 | IMD5 | |
| n77 | 3305 | 5 | 25 | 3305 | N/A | N/A | |
| 2 | 1907 | 5 | 25 | 1987 | 24.8 | IMD3 | |
| 5 | 846.5 | 5 | 25 | 891.5 | N/A | N/A | |
| n77 | 3680 | 5 | 25 | 3680 | N/A | N/A | |
| DC\_2A\_n5A-n77A**2**  DC\_2A-2A\_n5A-n77A**2**  DC\_2A\_n5A-n77C**2**  DC\_2A-2A\_n5A-n77C2 | 2 | 1907 | 5 | 25 | 1987 | N/A | N/A | |
|  | n5 | 844 | 5 | 25 | 889 | 13.6 | IMD52 | |
|  | n77 | 3305 | 10 | 50 | 3305 | N/A | N/A | |
| DC\_2A-12A\_n77A  DC\_2A-12A\_n77(2A)  DC\_2A-2A-12A\_n77A  DC\_2A-2A-12A\_n77(2A) | 2 | 1880 | 5 | 25 | 1960 | 24.8 | | IMD32, 5 |
|  | 12 | 707.5 | 5 | 25 | 737.5 | N/A | | N/A |
|  | n77 | 3375 | 10 | 50 | 3375 | N/A | | N/A |
| DC\_2A-13A\_n77A  DC\_2A-2A-13A\_n77A  DC\_2A-13A\_n77C  DC\_2A-2A-13A\_n77C | 2 | 1864 | 5 | 25 | 1944 | 24.2 | IMD3 | |
| 13 | 783 | 5 | 25 | 752 | N/A | N/A | |
| n77 | 3510 | 5 | 25 | 3510 | N/A | N/A | |
| DC\_2A-14A\_n77A  DC\_2A-14A\_n77(2A)  DC\_2A-2A-14A\_n77A  DC\_2A-2A-14A\_n77(2A) | 2 | 1874 | 5 | 25 | 1954 | 24.8 | | IMD3 |
|  | 14 | 793 | 5 | 25 | 763 | N/A | | N/A |
|  | n77 | 3540 | 10 | 50 | 3540 | N/A | | N/A |
| DC\_2A-30A\_n77A  DC\_2A-30A\_n77(2A)  DC\_2A-2A-30A\_n77A  DC\_2A-2A-30A\_n77(2A) | 2 | 1906 | 5 | 25 | 1986 | 19.3 | | IMD42 |
|  | 30 | 2312 | 5 | 25 | 2357 | N/A | | N/A |
|  | n77 | 3305 | 10 | 50 | 3305 | N/A | | N/A |
|  | 2 | 1905 | 5 | 25 | 1985 | N/A | | N/A |
|  | 30 | 2309 | 5 | 25 | 2354 | 22.2 | | IMD42 |
|  | n77 | 3361 | 10 | 50 | 3361 | N/A | | N/A |
|  | 2 | 1860 | 5 | 25 | 1940 | N/A | | N/A |
|  | 30 | 2309 | 5 | 25 | 2354 | 12.9 | | IMD5 |
|  | n77 | 3967 | 10 | 50 | 3967 | N/A | | N/A |
| DC\_2A-66A\_n41A | 2 | 1860 | 5 | 25 | 1940 | 22.6 | IMD4 | |
| 66 | 1715 | 5 | 25 | 2115 | N/A | N/A | |
| n41 | 2685 | 5 | 25 | 2685 | N/A | N/A | |
| DC\_2A-66A\_n77A  DC\_2A-66A\_n77(2A)  DC\_2A-2A-66A\_n77A  DC\_2A-2A-66A\_n77(2A)  DC\_2A-66A-66A\_n77A  DC\_2A-66A-66A\_n77(2A)  DC\_2A-2A-66A-66A\_n77A  DC\_2A-66A\_n77C  DC\_2A-66A-66A\_n77C  DC\_2A-2A-66A-66A\_n77C | 2 | 1855 | 5 | 25 | 1935 | N/A | N/A | |
| 66 | 1715 | 5 | 25 | 2115 | 34.7 | IMD2 | |
| n77 | 3970 | 5 | 25 | 3970 | N/A | N/A | |
| 2 | 1880 | 5 | 25 | 1960 | M/A | N/A | |
| 66 | 1740 | 5 | 25 | 2140 | 21.1 | IMD41 | |
| n77 | 3500 | 5 | 25 | 3500 | N/A | N/A | |
| 2 | 1880 | 5 | 25 | 1960 | 37.6 | IMD2 | |
| 66 | 1760 | 5 | 25 | 2160 | N/A | N/A | |
| n77 | 3720 | 5 | 25 | 3720 | N/A | N/A | |
| 2 | 1860 | 5 | 25 | 1940 | 19.8 | IMD41,2 | |
| 66 | 1775 | 5 | 25 | 2195 | N/A | N/A | |
| n77 | 3385 | 5 | 25 | 3385 | N/A | N/A | |
| DC\_2A\_n66A-n77A DC\_2A-2A\_n66A-n77A  DC\_2A\_n66A-n77C  DC\_2A-2A\_n66A-n77C | 2 | 1855 | 5 | 25 | 1935 | N/A | N/A | |
|  | n66 | 1715 | 5 | 25 | 2115 | 35.2 | IMD2 | |
|  | n77 | 3970 | 10 | 50 | 3970 | N/A | N/A | |
|  | 2 | 1900 | 5 | 25 | 1980 | N/A | N/A | |
|  | n66 | 1760 | 5 | 25 | 2160 | 22.3 | IMD43 | |
|  | n77 | 3540 | 10 | 50 | 3540 | N/A | N/A | |
| DC\_3A\_n1A-n78A  DC\_3A-3A\_n1A-n78A | 3 | 1770 | 5 | 25 | 1865 | N/A | N/A | |
| n1 | 1940 | 5 | 25 | 2130 | 17.8 | IMD5 | |
| n78 | 3720 | 10 | 50 | 3720 | N/A | N/A | |
| DC\_3A-7A\_n78A  DC\_3A-3A-7A\_n78A  DC\_3A-7A-7A\_n78A  DC\_3A-3A-7A-7A\_n78A | 3 | 1725 | 5 | 25 | 1820 | 26.5 | IMD35 | |
| 7 | 2565 | 5 | 25 | 2685 | N/A | N/A | |
| n78 | 3310 | 10 | 50 | 3310 | N/A | N/A | |
| DC\_3A-8A\_n78A  DC\_3A-3A-8A\_n78A  DC\_3C-8A\_n78A | 8 | 910 | 5 | 25 | 955 | N/A | N/A | |
| DC\_3A-8A\_n78(2A) | n78 | 3640 | 10 | 50 | 3640 | N/A | N/A | |
|  | 3 | 1725 | 5 | 25 | 1820 | 24.8 | IMD3 | |
| DC\_3A-19A\_n77A  DC\_3A-19A\_n77(2A) | 3 | 1775 | 5 | 25 | 1850 | 26.3 | IMD3 | |
|  | 19 | 835 | 5 | 25 | 880 | N/A | N/A | |
|  | n77 | 3520 | 10 | 50 | 3520 | N/A | N/A | |
| DC\_3A-19A\_n78A  DC\_3A-19A\_n78(2A) | 3 | 1775 | 5 | 25 | 1850 | 26.3 | IMD3 | |
|  | 19 | 835 | 5 | 25 | 880 | N/A | N/A | |
|  | n78 | 3520 | 10 | 50 | 3520 | N/A | N/A | |
| DC\_3A-19A\_n79A | 3 | 1775 | 5 | 25 | 1870 | N/A | N/A | |
|  | 19 | 840 | 5 | 25 | 885 | 33.5 | IMD35 | |
|  | n79 | 4435 | 10 | 50 | 4435 | N/A | N/A | |
|  | 3 | 1782.5 | 5 | 25 | 1877.5 | 18.2 | IMD4 | |
|  | 19 | 842.5 | 5 | 25 | 887.5 | N/A | N/A | |
|  | n79 | 4420 | 10 | 50 | 4420 | N/A | N/A | |
| DC\_3A-21A\_n77A  DC\_3A-21A\_n77(2A) | 3 | 1767.5 | 5 | 25 | 1862.5 | N/A | N/A | |
|  | 21 | 1459.5 | 5 | 25 | 1507.5 | 20.8 | IMD4 | |
|  | n77 | 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 | |
|  | n77 | N/A | N/A | N/A | N/A | N/A | N/A | |
|  | 3 | 1771.6 | 5 | 25 | 1866.6 | 18.4 | IMD5 | |
|  | 21 | 1450.4 | 5 | 25 | 1498.4 | N/A | N/A | |
|  | n77 | 3935 | 10 | 50 | 3935 | N/A | N/A | |
| DC\_3A-21A\_n78A  DC\_3A-21A\_n78(2A) | 3 | 1767.5 | 5 | 25 | 1862.5 | 36.6 | IMD2 | |
|  | 21 | 1459.5 | 5 | 25 | 1507.5 | N/A | N/A | |
|  | n78 | 3322 | 10 | 50 | 3322 | N/A | N/A | |
|  | 3 | 1767.5 | 5 | 25 | 1862.5 | N/A | N/A | |
|  | 21 | 1459.5 | 5 | 25 | 1507.5 | 23.2 | IMD4 | |
|  | n78 | 3795 | 10 | 50 | 3795 | N/A | N/A | |
|  | 3 | 1767.5 | 5 | 25 | 1862.5 | N/A | N/A | |
|  | 21 | 1455.5 | 5 | 25 | 1503.5 | 9.5 | IMD5 | |
|  | n78 | 3403 | 10 | 50 | 3403 | N/A | N/A | |
| DC\_3A-21A\_n79A7 | 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 | 32.8 | IMD3 | |
|  | 21 | 1450.4 | 5 | 25 | 1498.4 | N/A | N/A | |
|  | n79 | 4770 | 10 | 50 | 4770 | N/A | N/A | |
| DC\_3A-28A\_n78A | 3 | 1755 | 5 | 25 | 1850 | 25.9 | IMD3 | |
| 28 | 735 | 5 | 25 | 790 | N/A | N/A | |
| n78 | 3320 | 10 | 50 | 3320 | N/A | N/A | |
| DC\_3A-42A\_n79A9  DC\_3A-42C\_n79A9  DC\_3A-42D\_n79A9  DC\_3A-42E\_n79A9 | 3 | N/A | N/A | N/A | N/A | N/A | N/A | |
| 42 | N/A | N/A | N/A | N/A | N/A | IMD5 | |
| n79 | N/A | N/A | N/A | N/A | N/A | N/A | |
| DC\_3A\_n78A-n79A | 3 | 1770 | 5 | 25 | 1865 | N/A | N/A | |
|  | n78 | 3340 | 10 | 50 | 3340 | N/A | N/A | |
|  | n79 | 4910 | 10 | 50 | 4910 | 25.3 | IMD3 | |
|  | 3 | 1770 | 5 | 25 | 1865 | N/A | N/A | |
|  | n78 | 3710 | 10 | 50 | 3710 | 25.2 | IMD5 | |
|  | n79 | 4510 | 10 | 50 | 4510 | N/A | N/A | |
| DC\_5A\_n2A-n77A2 DC\_5A\_n2A-n77C2 | n2 | 1907 | 5 | 25 | 1987 | 25.5 | IMD3 | |
| 5 | 846.5 | 5 | 25 | 891.5 | N/A | N/A | |
| n77 | 3680 | 5 | 25 | 3680 | N/A | N/A | |
| DC\_5A\_n5A-n77A2 DC\_5A\_n5A-n77C2 | 5 | 834 | 5 | 25 | 879 | N/A | N/A | |
| n5 | 844 | 5 | 25 | 889 | 20.3 | IMD41 | |
| n77 | 3391 | 10 | 50 | 3391 | N/A | N/A | |
| DC\_5A-13A\_n77A2  DC\_5A-13A\_n77C2 | 5 | 840 | 5 | 25 | 885 | N/A | | N/A |
|  | 13 | 781 | 5 | 20 | 750 | 19.4 | | IMD5 |
|  | n77 | 4110 | 10 | 50 | 4110 | N/A | | N/A |
|  | 5 | 840 | 5 | 25 | 885 | 19.5 | | IMD5 |
|  | 13 | 782 | 5 | 20 | 751 | N/A | | N/A |
|  | n77 | 4013 | 10 | 50 | 4013 | N/A | | N/A |
| DC\_5A-30A\_n77A  DC\_5A-30A\_n77(2A) | 5 | 835 | 5 | 25 | 880 | 23.5 | | IMD31 |
|  | 30 | 2310 | 5 | 25 | 2355 | N/A | | N/A |
|  | n77 | 3740 | 10 | 50 | 3740 | N/A | | N/A |
|  | 5 | 835 | 5 | 25 | 880 | N/A | | N/A |
|  | 30 | 2310 | 5 | 25 | 2355 | 21.4 | | IMD32 |
|  | n77 | 4025 | 10 | 50 | 4025 | N/A | | N/A |
| DC\_5A-66A\_n77A  DC\_5A-66A\_n77(2A)  DC\_5A-66A-66A\_n77A  DC\_5A-66A-66A\_n77(2A) | 5 | 826.5 | 5 | 25 | 871.5 | N/A | | N/A |
|  | 66 | 1742 | 5 | 25 | 2142 | 22.2 | | IMD3 |
|  | n77 | 3795 | 10 | 50 | 3795 | N/A | | N/A |
| DC\_5A\_n66A-n77A  DC\_5A\_n66A-n77C | 5 | 826.5 | 5 | 25 | 871.5 | N/A | N/A | |
| n66 | 1742 | 5 | 25 | 2142 | 22.2 | IMD3 | |
| n77 | 3795 | 10 | 50 | 3795 | N/A | N/A | |
| DC\_7A\_n1A-n78A  DC\_7A-7A\_n1A-n78A | 1 | 1950 | 5 | 25 | 2140 | 19.7 | IMD4 | |
| 7 | 2510 | 10 | 50 | 2630 | N/A | N/A | |
| n78 | 3580 | 10 | 50 | 3580 | N/A | N/A | |
| DC\_7A\_n5A-n78A | 7 | 2555 | 5 | 25 | 2675 | N/A | N/A | |
| n5 | 836 | 5 | 25 | 881 | 34.7 | IMD21 | |
| n78 | 3436 | 10 | 50 | 3436 | N/A | N/A | |
| DC\_7A-8A\_n78A  DC\_7A-7A-8A\_n78A | 7 | 2530 | 5 | 25 | 2650 | N/A | | N/A |
|  | 8 | 895 | 5 | 25 | 940 | 35.5 | | IMD21 |
|  | n78 | 3470 | 10 | 50 | 3470 | N/A | | N/A |
|  | 7 | 2530 | 5 | 25 | 2650 | 33 | | IMD2 |
|  | 8 | 895 | 5 | 25 | 940 | N/A | | N/A |
|  | n78 | 3545 | 10 | 50 | 3545 | 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 | 33.8 | | IMD21 |
|  | n78 | 3350 | 10 | 50 | 3350 | N/A | | N/A |
|  | 7 | 2530 | 5 | 25 | 2650 | 35.5 | | IMD2 |
|  | 28 | 740 | 5 | 25 | 795 | N/A | | N/A |
|  | n78 | 3390 | 10 | 50 | 3390 | N/A | | N/A |
| DC\_7A\_n28A-n78A | 7 | 2565 | 5 | 25 | 2685 | N/A | N/A | |
| n78 | 3365 | 10 | 50 | 3365 | N/A | N/A | |
| n28 | 745 | 5 | 25 | 800 | 33.8 | IMD21 | |
| DC\_12A-30A\_n77A  DC\_12A-30A\_n77(2A) | 12 | 710 | 5 | 25 | 740 | 23.5 | | IMD31 |
|  | 30 | 2310 | 5 | 25 | 2355 | N/A | | N/A |
|  | n77 | 3880 | 10 | 50 | 3880 | N/A | | N/A |
|  | 12 | 707.5 | 5 | 25 | 737.5 | N/A | | N/A |
|  | 30 | 2310 | 5 | 25 | 2355 | 21.4 | | IMD3 |
|  | n77 | 3770 | 10 | 50 | 3770 | N/A | | N/A |
| DC\_12A-66A\_n77A  DC\_12A-66A\_n77(2A)  DC\_12A-66A-66A\_n77A  DC\_12A-66A-66A\_n77(2A) | 12 | 710 | 5 | 25 | 740 | 23.5 | | IMD32 |
|  | 66 | 1720 | 5 | 25 | 2120 | N/A | | N/A |
|  | n77 | 4180 | 10 | 50 | 4180 | N/A | | N/A |
|  | 12 | 707 | 5 | 25 | 737 | N/A | | N/A |
|  | 66 | 1726 | 5 | 25 | 2126 | 21.4 | | IMD3 |
|  | n77 | 3540 | 10 | 50 | 3540 | N/A | | N/A |
| DC\_13A\_n2A-n77A  DC\_13A\_n2A-n77C | 13 | 782 | 5 | 25 | 751 | N/A | N/A | |
| n2 | 1880 | 5 | 25 | 1960 | 25.0 | IMD3 | |
| n77 | 3524 | 10 | 50 | 3524 | N/A | N/A | |
| DC\_13A\_n5A-n77A2  DC\_13A\_n5A-n77C2 | n5 | 840 | 5 | 25 | 885 | 19.5 | IMD5 | |
| 13 | 782 | 5 | 20 | 751 | N/A | N/A | |
| n77 | 4013 | 10 | 50 | 4013 | N/A | N/A | |
| DC\_13A-66A\_n77A  DC\_13A-66A-66A\_n77A  DC\_13A-66A\_n77C  DC\_13A-66A-66A\_n77C | 13 | 782 | 5 | 25 | 751 | N/A | N/A | |
| 66 | 1756 | 5 | 25 | 2156 | 25.3 | IMD3 | |
| n77 | 3720 | 10 | 50 | 3720 | N/A | N/A | |
| 13 | 781 | 5 | 25 | 750 | 23.4 | IMD32 | |
| 66 | 1720 | 5 | 25 | 2120 | N/A | N/A | |
| n77 | 4190 | 10 | 50 | 4190 | N/A | N/A | |
| DC\_13A\_n66A-n77A  DC\_13A\_n66A-n77C | 13 | 782 | 5 | 25 | 751 | N/A | N/A | |
| n66 | 1756 | 5 | 25 | 2156 | 26.1 | IMD3 | |
| n77 | 3720 | 10 | 50 | 3720 | N/A | N/A | |
| DC\_14A-30A\_n77A  DC\_14A-30A\_n77(2A) | 14 | 793 | 5 | 25 | 763 | 23.5 | | IMD31 |
| 30 | 2310 | 5 | 25 | 2355 | N/A | | N/A |
| n77 | 3857 | 10 | 50 | 3857 | N/A | | N/A |
| 14 | 793 | 5 | 25 | 763 | N/A | | N/A |
| 30 | 2310 | 5 | 25 | 2355 | 21.4 | | IMD3 |
| n77 | 3941 | 10 | 50 | 3941 | N/A | | N/A |
| DC\_14A-66A\_n77A  DC\_14A-66A\_n77(2A)  DC\_14A-66A-66A\_n77A  DC\_14A-66A-66A\_n77(2A) | 14 | 793 | 5 | 25 | 763 | 23.5 | | IMD32 |
| 66 | 1712.5 | 5 | 25 | 2112.5 | N/A | | N/A |
| n77 | 4188 | 10 | 50 | 4188 | N/A | | N/A |
| 14 | 793 | 5 | 25 | 763 | N/A | | N/A |
| 66 | 1755 | 5 | 25 | 2155 | 21.4 | | IMD3 |
| n77 | 3741 | 10 | 50 | 3741 | N/A | | N/A |
| DC\_19A-21A\_n77A  DC\_19A-21A\_n77(2A) | 19 | 837.5 | 5 | 25 | 882.5 | 27.7 | | IMD3 |
| 21 | 1450.4 | 5 | 25 | 1498.4 | N/A | | N/A |
| n77 | 3783.3 | 10 | 50 | 3783.3 | N/A | | N/A |
| 19 | 837.5 | 5 | 25 | 882.5 | 25.2 | | IMD4 |
| 21 | 1450.4 | 5 | 25 | 1498.4 | N/A | | N/A |
| n77 | 3468.7 | 10 | 50 | 3468.7 | N/A | | N/A |
| 19 | 837.5 | 5 | 25 | 882.5 | N/A | | N/A |
| 21 | 1454.5 | 5 | 25 | 1502.5 | 21.0 | | IMD4 |
| n77 | 4015 | 10 | 50 | 4015 | N/A | | N/A |
| DC\_19A-21A\_n78A  DC\_19A-21A\_n78(2A) | 19 | 837.5 | 5 | 25 | 882.5 | 27.7 | | IMD3 |
| 21 | 1450.4 | 5 | 25 | 1498.4 | N/A | | N/A |
| n78 | 3783.3 | 10 | 50 | 3783.3 | N/A | | N/A |
| 19 | 837.5 | 5 | 25 | 882.5 | 25.2 | | IMD4 |
| 21 | 1450.4 | 5 | 25 | 1498.4 | N/A | | N/A |
| n78 | 3468.7 | 10 | 50 | 3468.7 | N/A | | N/A |
| DC\_19A-21A\_n79A7 | 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 | 24.8 | | IMD5 |
| n79 | 4850 | 10 | 50 | 4850 | N/A | | N/A |
| DC\_19A-42A\_n79A10  DC\_19A-42C\_n79A10 | 19 | N/A | N/A | N/A | N/A | N/A | | N/A |
| 42 | N/A | N/A | N/A | N/A | N/A | | IMD2 |
| n79 | N/A | N/A | N/A | N/A | 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 | 35.3 | | IMD2 |
| 19 | 835 | 5 | 25 | 880 | N/A | | N/A |
| n78 | 3715 | 10 | 50 | 3715 | 34.8 | | IMD2 |
| n79 | 4550 | 40 | 216 | 4550 | N/A | | N/A |
| DC\_21A-42A\_n79A10  DC\_21A-42C\_n79A10 | 21 | N/A | N/A | N/A | N/A | N/A | | N/A |
| 42 | N/A | N/A | N/A | N/A | N/A | | IMD2 |
| n79 | N/A | N/A | N/A | N/A | N/A | | N/A |
| DC\_21A\_n78A-n79A | 21 | 1453 | 5 | 25 | 1501 | N/A | | N/A |
|  | n78 | 3420 | 10 | 50 | 3420 | N/A | | N/A |
|  | n79 | 4873 | 10 | 50 | 4873 | 36.1 | | IMD25 |
|  | 21 | 1453 | 5 | 25 | 1501 | N/A | | N/A |
|  | n78 | 3487 | 10 | 50 | 3487 | 38.8 | | IMD2 |
|  | n79 | 4940 | 10 | 50 | 4940 | N/A | | N/A |
| DC\_29A-30A\_n77A | 29 | N/A | 5 | N/A | 722 | 23.5 | | IMD31 |
| 30 | 2310 | 5 | 25 | 2355 | N/A | | N/A |
| n77 | 3898 | 10 | 50 | 3898 | N/A | | N/A |
| DC\_29A-66A\_n77A  DC\_29A-66A-66A\_n77A | 29 | N/A | 5 | N/A | 722 | 23.5 | | IMD32 |
| 66 | 1734 | 5 | 25 | 2134 | N/A | | N/A |
| n77 | 4190 | 10 | 50 | 4190 | N/A | | N/A |
| DC\_30A-66A\_n77A  DC\_30A-66A\_n77(2A)  DC\_30A-66A-66A\_n77A  DC\_30A-66A-66A\_n77(2A) | 30 | 2310 | 5 | 25 | 2355 | 34.2 | | IMD22 |
| 66 | 1745 | 5 | 25 | 2145 | N/A | | N/A |
| n77 | 4100 | 10 | 50 | 4100 | N/A | | N/A |
| 30 | 2310 | 5 | 25 | 2355 | 12.9 | | IMD5 |
| 66 | 1735 | 5 | 25 | 2135 | N/A | | N/A |
| n77 | 3780 | 10 | 50 | 3780 | N/A | | N/A |
| 30 | 2310 | 5 | 25 | 2355 | N/A | | N/A |
| 66 | 1760 | 5 | 25 | 2160 | 19.2 | | IMD42 |
| n77 | 3390 | 10 | 50 | 3390 | N/A | | N/A |
| DC\_66A\_n2A-n77A  DC\_66A-66A\_n2A-n77A  DC\_66A\_n2A-n77C | n2 | 1880 | 5 | 25 | 1960 | 37.6 | IMD2 | |
|  | 66 | 1760 | 5 | 25 | 2160 | N/A | N/A | |
|  | n77 | 3720 | 10 | 50 | 3720 | N/A | N/A | |
|  | n2 | 1880 | 5 | 25 | 1960 | 21.1 | IMD41,2 | |
|  | 66 | 1770 | 5 | 25 | 2170 | N/A | N/A | |
|  | n77 | 3350 | 10 | 50 | 3350 | N/A | N/A | |
| DC\_66A\_n5A-n77A DC\_66A-66A\_n5A-n77A  DC\_66A\_n5A-n77C  DC\_66A-66A\_n5A-n77C | 66 | 1770 | 5 | 25 | 2170 | N/A | N/A | |
| n5 | 845 | 5 | 25 | 890 | N/A | N/A | |
| n77 | 3460 | 10 | 50 | 3460 | 24.9 | IMD3 | |
| 66 | 1714 | 5 | 25 | 2114 | N/A | N/A | |
| n5 | 827 | 5 | 25 | 872 | N/A | N/A | |
| n77 | 4195 | 10 | 50 | 4195 | 24.1 | IMD41,2 | |
| DC\_66A\_n66A-n77A | 66 | 1750 | 5 | 25 | 2150 | N/A | N/A | |
| n66 | 1750 | 5 | 25 | 2150 | 37 | IMD2 | |
| n77 | 3900 | 10 | 50 | 3900 | N/A | N/A | |
| 66 | 1750 | 5 | 25 | 2150 | N/A | N/A | |
| n66 | 1770 | 5 | 25 | 2170 | 20 | IMD5 | |
| n77 | 3710 | 10 | 50 | 3710 | N/A | N/A | |
| NOTE 1: This band is subject to IMD5 also which MSD is not specified.  NOTE 2: For a UE which supports this band combination only when the Band n77 frequency range restriction defined in NOTE 12 of Table 5.2-1 from TS 38.101-1 applies, the MSD test point(s) cannot be verified for the band combination and the test point(s) can be skipped.NOTE 3: This UE channel bandwidth is optional in this release of the specification  NOTE 4: Void  NOTE 5: This band is subject to IMD4 also which MSD is not specified.  NOTE 6: E-UTRA carrier shall be set to min(+23 dBm, PCMAX\_L\_E-UTRA,c) and NR carrier shall be set to min(+23 dBm, PCMAX\_L,f,c,NR) as defined in clause 6.2B.4.1.3.  NOTE 7: The frequency range in band n79 is restricted for this band combination to 4400 - 4900 MHz for both the UL and the DL.  NOTE 8: The frequency range in band 1 is restricted for this band combination to 1940 - 1960 MHz for the UL and 2130 - 2150 MHz for the DL.  NOTE 9: The frequency range in band n79 is restricted for this band combination to 4500 - 5000 MHz for both the UL and the DL  NOTE 10: The frequency range in band n79 is restricted for this band combination to 4500 - 4600 MHz for both the UL and the DL | | | | | | | | | |

<<< END OF CHANGES >>>