**3GPP TSG-RAN4 Meeting #110 *R4-2401974***

**Athens, Greece, 26th Feb - 1th March, 2024**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| *CR-Form-v12.2* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **38.101-3** | **CR** | 1161 | **rev** | **-** | **Current version:** | **18.4.0** |  |
|  | | | | | | | | |
| *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:*** | Big CR for Rel-18 Dual Connectivity (DC) of 1 LTE band (1DL/1UL) and 1 NR band (1DL/1UL) | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | CHTTL | | | | | | | | | |
| ***Source to TSG:*** | R4 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | DC\_R18\_1BLTE\_1BNR\_2DL2UL-Core | | | | |  | ***Date:*** | | | 2024-02-25 |
|  |  | | | |  | |  | | |  |
| ***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:*** | | Completed DC configurations after RAN4#110 are specified. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | Completed EN-DC configurations from the TR (R4-2316231):  UL DC\_8B\_n1A  Some configurations are completed via draft CR approach. This CR covers the following endorsed draft CRs.  Endorsed draft CR for new combinations in RAN4#110:  R4-2400550 Draft CR for TS38.101-3 to add new 1BLTE1BNR combinations with FR2  Endorsed draft correction CR in RAN4#110:  R4-2401895 Draft CR for 38.101-3 to correct Note number for DC\_66A-(n)66AA | | | | | | | | |
|  | |  | | | | | | | | |
| ***Consequences if not approved:*** | | Completed DC configurations are not specified. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 5.3B.1.2, 5.5B.3, 5.5B.4, 5.5B.5.1, 6.2B.1.3 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **Y** | **N** |  | | | |  | | |
| ***Other specs*** | |  | **x** | Other core specifications | | | | TS/TR ... CR ... | | |
| ***affected:*** | | **x** |  | Test specifications | | | | 38.521-3 | | |
| ***(show related CRs)*** | |  | **x** | O&M Specifications | | | | TS/TR ... CR ... | | |
|  | |  | | | | | | | | |
| ***Other comments:*** | |  | | | | | | | | |
|  | |  | | | | | | | | |
| ***This CR's revision history:*** | |  | | | | | | | | |

## << Start of changes >>

#### 5.3B.1.3 BCS for Intra-band non-contiguous EN-DC

For intra-band non-contiguous EN-DC, an EN-DC configuration is consisting of an E-UTRA band and a corresponding NR band having the same frequency range which supports E-UTRA and NR carriers, where E-UTRA configuration is indicated by using E-UTRA CA bandwidth class as defined in TS 36.101 [4] and NR configuration is indicated by using NR CA bandwidth class as defined in TS 38.101-1 [2].

Requirements for intra-band non-contiguous EN-DC are defined for the EN-DC configurations and bandwidth combination sets specified in Table 5.3B.1.3-1. The EN-DC configurations and bandwidth combination sets in Table 5.3B.1.3-1 also apply to higher order EN-DC combinations that include inter-band and intra-band EN-DC on the downlink and inter-band EN-DC on the uplink. If no BCS is reported in the UE capabilities for an intra-band combination the default is that the UE supports BCS0.

Table 5.3B.1.3-1: EN-DC configurations and bandwidth combination sets defined for intra-band non-contiguous EN-DC

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| E-UTRA – NR configuration /Bandwidth combination set | | | | | | |
| Downlink  EN-DC configuration | Uplink EN-DC configurations | Component carriers in order of increasing carrier frequency | | | Maximum aggregated  bandwidth (MHz) | Bandwidth combination set |
|  |  | Channel bandwidths for E-UTRA carrier (MHz) | Channel bandwidths for NR carrier (MHz) | Channel bandwidths for E-UTRA carrier (MHz) |  |  |
| DC\_1A\_n1A | DC\_1A\_n1A2 | 5, 10, 15, 20 | 5, 10, 15, 20 |  | 40 | 0 |
| DC\_2A\_n2A | DC\_2A\_n2A2 | 5, 10, 15, 20 | 5, 10, 15, 20 |  | 40 | 0 |
| DC\_3A\_n3A | DC\_3A\_n3A |  | 5, 10, 15, 20, 25, 30 | 5, 10, 15, 20 | 50 | 0 |
|  |  |  | 5, 10, 15, 20, 25, 30 | 5, 10, 15, 20 | 50 | 1 |
|  |  | 5, 10, 15, 20 | 5, 10, 15, 20, 25, 30 |  |  |  |
| DC\_5A\_n5A | DC\_5A\_n5A2 | 5, 10 | 5, 10, 15 |  | 20 | 0 |
| DC\_7A\_n7A3 | DC\_7A\_n7A2 | 5, 10, 15, 20 | 5, 10, 15, 20 |  | 40 | 0 |
| DC\_40A\_n40A | DC\_40A\_n40A2 | 5, 10, 15, 20 | 5, 10, 15, 20, 25, 30, 40 |  | 60 | 0 |
|  | 5, 10, 15, 20, 25, 30, 40 | 5, 10, 15, 20 |  |  |
|  |  |  | 40, 60, 80,100 | 20 |  |  |
|  |  | 20 | 40, 50, 60, 80,100 |  | 120 | 1 |
|  |  |  | 40, 50, 60, 80,100 | 20 |  |  |
|  |  | 20 | 10, 20, 30, 40, 50, 60, 80,100 |  | 120 | 2 |
|  |  |  | 10, 20, 30, 40, 50, 60, 80,100 | 20 |  |  |
|  |  | 10 | 20, 30, 40, 50, 60, 80,100 |  |  |  |
|  |  |  | 20, 30, 40, 50, 60, 80,100 | 10 |  |  |
| DC\_41A\_n41A | DC\_41A\_n41A | 20 | 40, 60, 80,100 |  | 120 | 0 |
| DC\_41C\_n41A | DC\_41A\_n41A | 20+20 | 40, 60, 80,100 |  | 140 | 0 |
|  |  |  | 40, 60, 80,100 | 20+20 |  |  |
|  |  | 20+20 | 40, 50, 60, 80,100 |  | 140 | 1 |
|  |  |  | 40, 50, 60, 80,100 | 20+20 |  |  |
| DC\_41D\_n41A | DC\_41A\_n41A | 20+20+20 | 40, 60, 80,100 |  | 160 | 0 |
|  |  |  | 40, 60, 80,100 | 20+20+20 |  |  |
|  |  | 20+20+20 | 40, 50, 60, 80,100 |  | 160 | 1 |
|  |  |  | 40, 50, 60, 80,100 | 20+20+20 |  |  |
| DC\_48A\_n48A | DC\_48A\_n48A2 | 5, 10, 15, 20 | 5, 10, 15, 20, 40 |  | 60 | 0 |
|  |  |  | 5, 10, 15, 20, 40 | 5, 10, 15, 20 |  |  |
| DC\_48A-48A\_n48A | DC\_48A\_n48A2 | CA\_48A-48A\_BCS \_BCS0 | 5, 10, 15, 20, 40 |  | 80 | 0 |
|  |  |  | 5, 10, 15, 20, 40 | CA\_48A-48A\_BCS0 |  |  |
| DC\_48C\_n48A | DC\_48A\_n48A2 | CA\_48C\_BCS0 | 5, 10, 15, 20, 40 |  | 80 | 0 |
|  |  |  | 5, 10, 15, 20, 40 | CA\_48C\_BCS0 |  |  |
| DC\_48D\_n48A | DC\_48A\_n48A2 | CA\_48D\_BCS0 | 5, 10, 15, 20, 40 |  | 100 | 0 |
|  |  |  | 5, 10, 15, 20, 40 | CA\_48D\_BCS0 |  |  |
| DC\_66A\_n66A | DC\_66A\_n66A2 | 5, 10, 15, 20 | 5, 10, 15, 20, 40 |  | 50 | 0 |
| 5, 10, 15, 20 | 5, 10, 15, 20, 25, 30, 40 |  | 60 | 1 |
|  | 5, 10, 15, 20, 25, 30, 40 | 5, 10, 15, 20 |
| DC\_66B\_n66A | DC\_66A\_n66A2 | CA\_66B\_BCS0 | 5, 10, 15, 20, 40 |  | 50 | 0 |
|  |  | CA\_66B\_BCS0 | 5, 10, 15, 20, 25, 30, 40 |  | 60 | 1 |
| DC\_66A-66A\_n66A | DC\_66A\_n66A2 | CA\_66A-66A\_BCS0 | 5, 10, 15, 20, 40 |  | 70 | 0 |
| CA\_66A-66A\_BCS0 | 5, 10, 15, 20, 25, 30, 40 |  | 80 | 1 |
|  | 5, 10, 15, 20, 25, 30, 40 | CA\_66A-66A\_BCS0 |
| DC\_71A\_n71A | DC\_71A\_n71A2 | 15 | 5 |  | 20 | 0 |
|  |  | 10 | 5, 10 |  |  |  |
|  |  | 5 | 5, 10, 15 |  |  |  |
|  |  |  | 5 | 15 |  |  |
|  |  |  | 5, 10 | 10 |  |  |
|  |  |  | 5, 10, 15 | 5 |  |  |
|  |  | 5, 10, 15, 20 | 5, 10, 15, 20 |  | 30 | 1 |
|  |  |  | 5, 10, 15, 20 | 5, 10, 15, 20 |
| NOTE 1: Void.  NOTE 2: Only single switched UL is supported.  NOTE 3: Requirements in this specification apply for NR SCS of 15 kHz only.  NOTE 4: For TDD bands, the minimum requirements only apply for non-simultaneous Tx/Rx between all carriers.  NOTE 5: The UE supporting the configurations indicates intraBandENDC-Support = ‘non-contiguous’ with intraBandENDC-Support-UL absent. | | | | | | |

Table 5.3B.1.3-2: EN-DC configurations and bandwidth combination sets defined for mixed intra-band contiguous and non-contiguous EN-DC

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| E-UTRA – NR configuration /Bandwidth combination set | | | | | | |
| Downlink  EN-DC configuration | Uplink EN-DC configurations | Component carriers in order of increasing carrier frequency | | | Maximum aggregated  bandwidth (MHz) | Bandwidth combination set |
|  |  | Channel bandwidths for E-UTRA carrier (MHz) | Channel bandwidths for NR carrier (MHz) | Channel bandwidths for E-UTRA carrier (MHz) |  |  |
| DC\_(n)48CA5,6 | DC\_48A\_n48A2 | See CA\_48C Bandwidth Combination Set 0 in TS 36.101 Table 5.6A.1-1 | 5, 10, 15, 20, 40 |  | 80 | 0 |
|  |  |  | 5, 10, 15, 20, 40 | See CA\_48C Bandwidth Combination Set 0 in TS 36.101 Table 5.6A.1-1 |  |  |
| DC\_(n)48DA5,6 | DC\_48A\_n48A2 | See CA\_48D Bandwidth Combination Set 0 in TS 36.101 Table 5.6A.1-1 | 5, 10, 15, 20, 40 |  | 100 | 0 |
|  |  |  | 5, 10, 15, 20, 40 | See CA\_48D Bandwidth Combination Set 0 in TS 36.101 Table 5.6A.1-1 |  |  |
| DC\_48A-(n)48AA5 | DC\_48A\_n48A2 | See CA\_48A-48A Bandwidth Combination Set 0 in TS 36.101 Table 5.6A.1-3 | 5, 10, 15, 20, 40 |  | 80 | 0 |
|  |  |  | 5, 10, 15, 20, 40 | See CA\_48A-48A Bandwidth Combination Set 0 in TS 36.101 Table 5.6A.1-3 |  |  |
| DC\_66A-(n)66AA4,5 | DC\_66A\_n66A2 | See CA\_66A-66A Bandwidth Combination Set 0 in TS 36.101 Table 5.6A.1-3 | 5,10,15,20, 25, 30, 40 |  | 80 | 0 |
|  |  |  | 5,10,15,20, 25, 30, 40 | See CA\_66A-66A Bandwidth Combination Set 0 in TS 36.101 Table 5.6A.1-3 |  |  |
| DC\_66A-(n)66AA4,7 | DC\_(n)66AA2  DC\_66A\_n66A2 | See CA\_66A-66A Bandwidth Combination Set 0 in TS 36.101 Table 5.6A.1-3 | 5,10,15,20, 25, 30, 40 |  | 80 | 0 |
|  |  |  | 5,10,15,20, 25, 30, 40 | See CA\_66A-66A Bandwidth Combination Set 0 in TS 36.101 Table 5.6A.1-3 |  |  |
| NOTE 1: Void.  NOTE 2: Only single switched UL is supported.  NOTE 3: Requirements in this specification apply for NR SCS of 15 kHz only.  NOTE 4: For TDD bands, the minimum requirements only apply for non-simultaneous Tx/Rx between all carriers.  NOTE 5: The UE supporting these configurations indicates intraBandENDC-Support-UL = ‘non-contiguous’ with intraBandENDC-Support absent.  NOTE 6: The minimum requirements also apply for the intra-band non-contiguous fallback resulting from releasing an Scell within the sub-block bandwidth of the downlink configuration.  NOTE 7: The UE supporting these configurations indicates intraBandENDC-Support-UL = ‘both’ with intraBandENDC-Support absent. | | | | | | |

## << Next changes >>

### 5.5B.3 Intra-band non-contiguous EN-DC

Table 5.5B.3-1: Intra-band non-contiguous EN-DC configurations

|  |  |  |
| --- | --- | --- |
| EN-DC  configuration | Uplink EN-DC  configuration  (NOTE 1) | Single UL allowed |
| DC\_1A\_n1A | DC\_1A\_n1A5 | Yes5 |
| DC\_2A\_n2A | DC\_2A\_n2A5 | Yes5 |
| DC\_3A\_n3A | DC\_3A\_n3A | Yes7 |
| DC\_5A\_n5A | DC\_5A\_n5A5 | Yes5 |
| DC\_7A\_n7A6 | DC\_7A\_n7A5 | Yes5 |
| DC\_40A\_n40A | DC\_40A\_n40A5 | Yes5 |
| DC\_41A\_n41A  DC\_41C\_n41A  DC\_41D\_n41A | DC\_41A\_n41A | Yes4 |
| DC\_48A\_n48A | DC\_48A\_n48A5 | Yes5 |
| DC\_48A-48A\_n48A | DC\_48A\_n48A5 | Yes5 |
| DC\_48C\_n48A | DC\_48A\_n48A5 | Yes5 |
| DC\_48D\_n48A | DC\_48A\_n48A5 | Yes5 |
| DC\_66A\_n66A | DC\_66A\_n66A5 | Yes5 |
| DC\_66B\_n66A | DC\_66A\_n66A5 | Yes5 |
| DC\_66A-66A\_n66A | DC\_66A\_n66A5 | Yes5 |
| DC\_71A\_n71A3 | DC\_71A\_n71A5 | Yes5 |
| NOTE 1: Uplink EN-DC configurations are the configurations supported by the present release of specifications.  NOTE 2: Void.  NOTE 3: For TDD bands, the minimum requirements only apply for non-simultaneous Tx/Rx between all carriers.  NOTE 4: Single UL allowed due to potential emission issues, not self-interference.  NOTE 5: Only single switched UL is supported.  NOTE 6: Requirements in this specification apply for NR SCS of 15 kHz only.  NOTE 7: Single UL allowed due to potential emission issues and self-interference.  NOTE 8: The PC2 Uplink EN-DC configuration supported in Table 6.2B.1.2-1 is applicable to the same EN-DC configuration.  NOTE 9: The PC1.5 Uplink EN-DC configuration supported in Table 6.2B.1.2-1 is applicable to the same EN-DC configuration.  NOTE 10: The UE supporting the configurations indicates intraBandENDC-Support = ‘non-contiguous’ with intraBandENDC-Support-UL absent. | | |

Table 5.5B.3-2: Intra-band EN-DC configurations for mixed intra-band contiguous and non-contiguous EN-DC

|  |  |  |
| --- | --- | --- |
| EN-DC  configuration | Uplink EN-DC  configuration  (NOTE 1) | Single UL allowed |
| DC\_(n)48CA6,7 | DC\_48A\_n48A5 | Yes5 |
| DC\_(n)48DA6,7 | DC\_48A\_n48A5 | Yes5 |
| DC\_48A-(n)48AA6 | DC\_48A\_n48A5 | Yes5 |
| DC\_66A-(n)66AA6 | DC\_66A\_n66A5 | Yes5 |
| DC\_66A-(n)66AA8 | DC\_(n)66AA5  DC\_66A\_n66A5 | Yes5 |
| NOTE 1: Uplink EN-DC configurations are the configurations supported by the present release of specifications.  NOTE 2: Void  NOTE 3: For TDD bands, the minimum requirements only apply for non-simultaneous Tx/Rx between all carriers.  NOTE 4: Single UL allowed due to potential emission issues, not self-interference.  NOTE 5: Only single switched UL is supported.  NOTE 6: The UE supporting these configurations indicates ‘non-contiguous’ by IE intraBandENDC-Support-UL with intraBandENDC-Support absent.  NOTE 7: The minimum requirements also apply for the intra-band non-contiguous fallback resulting from releasing an Scell within the sub-block bandwidth of the downlink configuration.  NOTE 8: The UE supporting these configurations indicates ‘both’ by IE intraBandENDC-Support-UL with intraBandENDC-Support absent.  . | | |

### 5.5B.4 Inter-band EN-DC within FR1

#### 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\_2C\_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\_2C\_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) 21 | DC\_2A\_n78A21 | 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\_n78A,21,23  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-3A\_n79A7 | DC\_3A\_n79A | 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\_n28A | DC\_5A\_n28A | 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)7,21  DC\_5A\_n78(A-C)7 | DC\_5A\_n78A21 | 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)7,21 | DC\_7A\_n78A21 | 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\_n78A7,24  DC\_7C\_n78A7,21  DC\_7A\_n78C7 | DC\_7A\_n78A21,24  DC\_7C\_n78A | No |  |
| DC\_7A\_n78(2A)7,21  DC\_7A\_n78(A-C)7  DC\_7C\_n78(2A)7, 21 | DC\_7A\_n78A21  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-7A\_n79A | DC\_7A\_n79A | No |  |
| DC\_7A\_n105A | DC\_7A\_n105A | No |  |
| DC\_8A\_n1A  DC\_8B\_n1A | DC\_8A\_n1A  DC\_8B\_n1A | No |  |
| DC\_8A\_n2A | DC\_8A\_n2A | DC\_8\_n2 |  |
| DC\_8A\_n3A  DC\_8B\_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\_8B\_n77A7 | DC\_8A\_n77A | No | No |
| DC\_8A\_n77(2A)7,21  DC\_8A\_n77(3A)7 | DC\_8A\_n77A21 | No | No |
| DC\_8A\_n78A7,24  DC\_8B\_n78A7 | DC\_8A\_n78A24  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) 21 | DC\_13A\_n78A21 | 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\_n41A | DC\_14A\_n41A | 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\_n40A | DC\_20A\_n40A | 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\_n78A7,24  DC\_20A\_n78C7 | DC\_20A\_n78A24 | 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\_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\_n78A7,24  DC\_28A\_n78C7 | DC\_28A\_n78A24 | 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\_n3A | DC\_40A\_n3A | No |  |
| DC\_40A\_n7A | DC\_40A\_n7A | 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\_40C\_n77A  DC\_40C\_n77C | DC\_40A\_n77A | No |  |
| DC\_40A\_n78A  DC\_40C\_n78A  DC\_40A\_n78C  DC\_40C\_n78C | DC\_40A\_n78A23  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\_n78A24  DC\_41C\_n78A  DC\_41D\_n78A | DC\_41A\_n78A24  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) 21 | DC\_66A\_n78A21 | No |  |
| DC\_66A-66A\_n78A21 | DC\_66A\_n78A21 | No |  |
| DC\_66A-66A\_n78(2A21) | DC\_66A\_n78A21 | 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) 21 | DC\_71A\_n78A21 | 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 apply when the maximum power spectral density imbalance between downlink carriers is within 6 dB. For UEs indicating interBandMRDC-WithOverlapDL-Bands-r16 and if [*nonCollocatedTypeMRDC-r18]* is not provided and UE is configured with *maxMIMO-Layers* with value less than or equal to 2, the power imbalance requirement defined in clause 7. 10B.3 apply. For UEs indicating [*interBandMRDC-WithOverlapDL-Bands-r16]* and [*requirementTypeIndication-r18]* and when [*nonCollocatedTypeMRDC-r18]* is provided, the minimum requirements apply when the maximum power spectral density imbalance between downlink carriers is within 6 dB. 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: Minimum requirements for PC2 are applicable for this uplink EN-DC configuration in this downlink/uplink EN-DC configuration with 1Tx antenna connector in each band.  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.  NOTE 23: Minimum requirements for Power Class 2 are applicable for this EN-DC configuration with 1Tx antenna connector in one band and 2Tx antenna connectors in the other band.  NOTE 24: Minimum requirements for Power Class 2 are applicable for this EN-DC configuration with 1Tx antenna connector in one band and 2Tx antenna connectors in the other band. | | | |

## << Next changes >>

#### 5.5B.5.1 Inter-band EN-DC configurations including FR2 (two bands)

Table 5.5B.5.1-1: Inter-band EN-DC configurations including FR2 (two bands)

|  |  |
| --- | --- |
| **EN-DC**  **configuration** | **Uplink EN-DC**  **configuration**  **(NOTE 1)** |
| DC\_1A\_n257A  DC\_1A\_n257D  DC\_1A\_n257E  DC\_1A\_n257F  DC\_1A\_n257G  DC\_1A\_n257H  DC\_1A\_n257I  DC\_1A\_n257J  DC\_1A\_n257K  DC\_1A\_n257L  DC\_1A\_n257M | DC\_1A\_n257A  DC\_1A\_n257D  DC\_1A\_n257G  DC\_1A\_n257H  DC\_1A\_n257I  DC\_1A\_n257J  DC\_1A\_n257K  DC\_1A\_n257L  DC\_1A\_n257M |
| DC\_1A\_n257(2A)  DC\_1A\_n257(A-G)  DC\_1A\_n257(2G) | DC\_1A\_n257A  DC\_1A\_n257G  DC\_1A\_n257(2A)  DC\_1A\_n257(2G) |
| DC\_1A\_n258A  DC\_1A\_n258B  DC\_1A\_n258C  DC\_1A\_n258D  DC\_1A\_n258E  DC\_1A\_n258F  DC\_1A\_n258G  DC\_1A\_n258H  DC\_1A\_n258I  DC\_1A\_n258J  DC\_1A\_n258K  DC\_1A\_n258L  DC\_1A\_n258M | DC\_1A\_n258A  DC\_1A\_n258D  DC\_1A\_n258G  DC\_1A\_n258H  DC\_1A\_n258I |
| DC\_1A\_n258(2A)  DC\_1A\_n258(A-G)  DC\_1A\_n258(2G) | DC\_1A\_n258A  DC\_1A\_n258G  DC\_1A\_n258(2A)  DC\_1A\_n258(A-G)  DC\_1A\_n258(2G) |
| DC\_2A\_n257A  DC\_2C\_n257A  DC\_2A\_n257G  DC\_2A\_n257H  DC\_2A\_n257I  DC\_2A\_n257J  DC\_2A\_n257K  DC\_2A\_n257L  DC\_2A\_n257M | DC\_2A\_n257A  DC\_2A\_n257G  DC\_2A\_n257H  DC\_2A\_n257I  DC\_2A\_n257J  DC\_2A\_n257K  DC\_2A\_n257L  DC\_2A\_n257M |
| DC\_2A\_n257(2A) | DC\_2A\_n257A |
| DC\_2A-2A\_n257A | DC\_2A\_n257A |
| DC\_2A\_n258A  DC\_2A\_n258D  DC\_2A\_n258G  DC\_2A\_n258H  DC\_2A\_n258I  DC\_2A\_n258J  DC\_2A\_n258K  DC\_2A\_n258L  DC\_2A\_n258M  DC\_2A\_n258O  DC\_2A\_n258P  DC\_2A\_n258Q | DC\_2A\_n258A  DC\_2A\_n258D  DC\_2A\_n258G  DC\_2A\_n258H  DC\_2A\_n258I  DC\_2A\_n258J  DC\_2A\_n258K  DC\_2A\_n258L  DC\_2A\_n258M  DC\_2A\_n258O  DC\_2A\_n258P  DC\_2A\_n258Q |
| DC\_2A\_n258(2A)  DC\_2A\_n258(3A)  DC\_2A\_n258(4A)  DC\_2A\_n258(5A) | DC\_2A\_n258A |
| DC\_2A\_n260A  DC\_2A\_n260D  DC\_2A\_n260E  DC\_2A\_n260G  DC\_2A\_n260H  DC\_2A\_n260I  DC\_2A\_n260J  DC\_2A\_n260K  DC\_2A\_n260L  DC\_2A\_n260M  DC\_2A\_n260O  DC\_2A\_n260P  DC\_2A\_n260Q  DC\_2C\_n260A | DC\_2A\_n260A  DC\_2A\_n260D  DC\_2A\_n260E  DC\_2A\_n260G  DC\_2A\_n260H  DC\_2A\_n260I  DC\_2A\_n260J  DC\_2A\_n260K  DC\_2A\_n260L  DC\_2A\_n260M  DC\_2A\_n260O  DC\_2A\_n260P  DC\_2A\_n260Q |
| DC\_2A\_n260(2A)  DC\_2A\_n260(3A)  DC\_2A\_n260(4A)  DC\_2A\_n260(5A)  DC\_2A\_n260(6A)  DC\_2A\_n260(7A)  DC\_2A\_n260(8A)  DC\_2A\_n260(2D)  DC\_2A\_n260(2G)  DC\_2A\_n260(3G)  DC\_2A\_n260(4G)  DC\_2A\_n260(2H)  DC\_2A\_n260(2O)  DC\_2A\_n260(3O)  DC\_2A\_n260(4O)  DC\_2A\_n260(2P)  DC\_2A\_n260(A-D)  DC\_2A\_n260(A-G)  DC\_2A\_n260(A-H)  DC\_2A\_n260(A-O)  DC\_2A\_n260(A-P)  DC\_2A\_n260(A-Q)  DC\_2A\_n260(A-2G)  DC\_2A\_n260(A-2H)  DC\_2A\_n260(A-2O)  DC\_2A\_n260(A-2P)  DC\_2A\_n260(A-3G)  DC\_2A\_n260(A-3O)  DC\_2A\_n260(3A-G)  DC\_2A\_n260(3A-H)  DC\_2A\_n260(3A-O)  DC\_2A\_n260(2A-G)  DC\_2A\_n260(2A-H)  DC\_2A\_n260(2A-O)  DC\_2A\_n260(2A-P)  DC\_2A\_n260(2A-Q)  DC\_2A\_n260(2A-2G)  DC\_2A\_n260(2A-2H)  DC\_2A\_n260(2A-2O)  DC\_2A\_n260(3A-2O)  DC\_2A\_n260(3A-P)  DC\_2A\_n260(4A-O)  DC\_2A\_n260(4A-P)  DC\_2A\_n260(4A-2O)  DC\_2A\_n260(5A-O)  DC\_2A\_n260(G-H)  DC\_2A\_n260(O-P)  DC\_2A\_n260(O-Q)  DC\_2A\_n260(P-Q)  DC\_2A\_n260(A-G-H)  DC\_2A\_n260(A-O-P)  DC\_2A\_n260(A-O-Q)  DC\_2A\_n260(A-P-Q)  DC\_2A\_n260(2A-O-P)  DC\_2A\_n260(2A-G-H)  DC\_2A\_n260(3A-O-P) | DC\_2A\_n260A  DC\_2A\_n260G  DC\_2A\_n260H  DC\_2A\_n260O  DC\_2A\_n260P  DC\_2A\_n260Q |
| DC\_2A-2A\_n260A  DC\_2A-2A\_n260G  DC\_2A-2A\_n260H  DC\_2A-2A\_n260I  DC\_2A-2A\_n260J  DC\_2A-2A\_n260K  DC\_2A-2A\_n260L  DC\_2A-2A\_n260M | DC\_2A\_n260A  DC\_2A\_n260G  DC\_2A\_n260H  DC\_2A\_n260I  DC\_2A\_n260J  DC\_2A\_n260K  DC\_2A\_n260L  DC\_2A\_n260M |
| DC\_2A\_n261A  DC\_2A\_n261B  DC\_2A\_n261C  DC\_2A\_n261D  DC\_2A\_n261E  DC\_2A\_n261F  DC\_2A\_n261G  DC\_2A\_n261H  DC\_2A\_n261I  DC\_2A\_n261J  DC\_2A\_n261K  DC\_2A\_n261L  DC\_2A\_n261M  DC\_2A\_n261O  DC\_2A\_n261P  DC\_2A\_n261Q | DC\_2A\_n261A  DC\_2A\_n261B  DC\_2A\_n261C  DC\_2A\_n261D  DC\_2A\_n261E  DC\_2A\_n261F  DC\_2A\_n261G  DC\_2A\_n261H  DC\_2A\_n261I  DC\_2A\_n261J  DC\_2A\_n261K  DC\_2A\_n261L  DC\_2A\_n261M  DC\_2A\_n261O  DC\_2A\_n261P  DC\_2A\_n261Q |
| DC\_2A\_n261(2A)  DC\_2A\_n261(3A)  DC\_2A\_n261(4A)  DC\_2A\_n261(2I)  DC\_2A\_n261(2H)  DC\_2A\_n261(A-G)  DC\_2A\_n261(A-J)  DC\_2A\_n261(A-K)  DC\_2A\_n261(A-L)  DC\_2A\_n261(A-2G)  DC\_2A\_n261(A-H)  DC\_2A\_n261(A-I)  DC\_2A\_n261(2A-G)  DC\_2A\_n261(2A-I)  DC\_2A\_n261(2A-H)  DC\_2A\_n261(3A-G)  DC\_2A\_n261(G-H)  DC\_2A\_n261(G-I)  DC\_2A\_n261(G-J)  DC\_2A\_n261(2G)  DC\_2A\_n261(H-I)  DC\_2A\_n261(A-G-H)  DC\_2A\_n261(A-G-I) | DC\_2A\_n261A  DC\_2A\_n261G  DC\_2A\_n261H  DC\_2A\_n261I |
| DC\_2A-2A\_n261A  DC\_2A-2A\_n261G  DC\_2A-2A\_n261H  DC\_2A-2A\_n261I  DC\_2A-2A\_n261J  DC\_2A-2A\_n261K  DC\_2A-2A\_n261L  DC\_2A-2A\_n261M | DC\_2A\_n261A  DC\_2A\_n261G  DC\_2A\_n261H  DC\_2A\_n261I  DC\_2A\_n261J  DC\_2A\_n261K  DC\_2A\_n261L  DC\_2A\_n261M |
| DC\_3A\_n257A  DC\_3A\_n257B  DC\_3A\_n257C  DC\_3A\_n257D  DC\_3A\_n257E  DC\_3A\_n257F  DC\_3A\_n257G  DC\_3A\_n257H  DC\_3A\_n257I  DC\_3A\_n257J  DC\_3A\_n257K  DC\_3A\_n257L  DC\_3A\_n257M  DC\_3C\_n257A  DC\_3C\_n257D  DC\_3C\_n257E  DC\_3C\_n257F  DC\_3C\_n257G  DC\_3C\_n257H  DC\_3C\_n257I  DC\_3C\_n257J  DC\_3C\_n257K  DC\_3C\_n257L  DC\_3C\_n257M | DC\_3A\_n257A  DC\_3A\_n257B  DC\_3A\_n257D  DC\_3A\_n257G  DC\_3A\_n257H  DC\_3A\_n257I  DC\_3A\_n257J  DC\_3A\_n257K  DC\_3A\_n257L  DC\_3A\_n257M  DC\_3C\_n257A |
| DC\_3A-3A\_n257A  DC\_3A-3A\_n257D  DC\_3A-3A\_n257E  DC\_3A-3A\_n257F  DC\_3A-3A\_n257G  DC\_3A-3A\_n257H  DC\_3A-3A\_n257I  DC\_3A-3A\_n257J  DC\_3A-3A\_n257K  DC\_3A-3A\_n257L  DC\_3A-3A\_n257M | DC\_3A\_n257A  DC\_3A\_n257G  DC\_3A\_n257H  DC\_3A\_n257I  DC\_3A\_n257J  DC\_3A\_n257K |
| DC\_3A\_n258A  DC\_3A\_n258B  DC\_3A\_n258C  DC\_3A\_n258D  DC\_3A\_n258E  DC\_3A\_n258F  DC\_3A\_n258G  DC\_3A\_n258H  DC\_3A\_n258I  DC\_3A\_n258J  DC\_3A\_n258K  DC\_3A\_n258L  DC\_3A\_n258M  DC\_3C\_n258A  DC\_3C\_n258B  DC\_3C\_n258C  DC\_3C\_n258D  DC\_3C\_n258E  DC\_3C\_n258F  DC\_3C\_n258G  DC\_3C\_n258H  DC\_3C\_n258I  DC\_3C\_n258J  DC\_3C\_n258K  DC\_3C\_n258L  DC\_3C\_n258M | DC\_3A\_n258A  DC\_3A\_n258G  DC\_3A\_n258H  DC\_3A\_n258I  DC\_3C\_n258A  DC\_3C\_n258G  DC\_3C\_n258H  DC\_3C\_n258I |
| DC\_4A\_n258A  DC\_4A\_n258G  DC\_4A\_n258H  DC\_4A\_n258I | DC\_4A\_n258A  DC\_4A\_n258G  DC\_4A\_n258H  DC\_4A\_n258I |
| DC\_4A\_n260A  DC\_4A\_n260D  DC\_4A\_n260G  DC\_4A\_n260H  DC\_4A\_n260O  DC\_4A\_n260P  DC\_4A\_n260Q | DC\_4A\_n260A  DC\_4A\_n260G  DC\_4A\_n260H  DC\_4A\_n260O  DC\_4A\_n260P  DC\_4A\_n260Q |
| DC\_4A\_n260(2A)  DC\_4A\_n260(3A)  DC\_4A\_n260(4A)  DC\_4A\_n260(5A)  DC\_4A\_n260(6A)  DC\_4A\_n260(7A)  DC\_4A\_n260(8A)  DC\_4A\_n260(2D)  DC\_4A\_n260(2G)  DC\_4A\_n260(3G)  DC\_4A\_n260(4G)  DC\_4A\_n260(2H)  DC\_4A\_n260(2O)  DC\_4A\_n260(2P)  DC\_4A\_n260(3O)  DC\_4A\_n260(4O)  DC\_4A\_n260(A-D)  DC\_4A\_n260(2A-D)  DC\_4A\_n260(3A-D)  DC\_4A\_n260(4A-D)  DC\_4A\_n260(A-O)  DC\_4A\_n260(2A-O)  DC\_4A\_n260(A-D-O)  DC\_4A\_n260(2A-D-O)  DC\_4A\_n260(A-2O)  DC\_4A\_n260(D-2O)  DC\_4A\_n260(A-D-2O)  DC\_4A\_n260(2A-D-2O)  DC\_4A\_n260(A-2D)  DC\_4A\_n260(2A-2D)  DC\_4A\_n260(A-P)  DC\_4A\_n260(2A-P)  DC\_4A\_n260(A-2P)  DC\_4A\_n260(2A-2P)  DC\_4A\_n260(A-G)  DC\_4A\_n260(2A-G)  DC\_4A\_n260(A-2G)  DC\_4A\_n260(2A-2G)  DC\_4A\_n260(G-O)  DC\_4A\_n260(2G-O)  DC\_4A\_n260(A-G-O)  DC\_4A\_n260(2A-G-O)  DC\_4A\_n260(2A-G-2O)  DC\_4A\_n260(2A-G-3O)  DC\_4A\_n260(A-2G-O)  DC\_4A\_n260(2A-2G-O)  DC\_4A\_n260(2A-2G-2O)  DC\_4A\_n260(A-H)  DC\_4A\_n260(A-2H)  DC\_4A\_n260(2A-H)  DC\_4A\_n260(2A-2H)  DC\_4A\_n260(2A-2O)  DC\_4A\_n260(A-3O)  DC\_4A\_n260(2A-3O)  DC\_4A\_n260(A-4O)  DC\_4A\_n260(2A-4O)  DC\_4A\_n260(3A-O)  DC\_4A\_n260(3A-2O)  DC\_4A\_n260(3A-3O)  DC\_4A\_n260(3A-G)  DC\_4A\_n260(3A-2G)  DC\_4A\_n260(4A-G)  DC\_4A\_n260(4A-2G)  DC\_4A\_n260(4A-O)  DC\_4A\_n260(4A-2O)  DC\_4A\_n260(D-2G)  DC\_4A\_n260(2D-O)  DC\_4A\_n260(G-2O)  DC\_4A\_n260(2G-2O)  DC\_4A\_n260(G-3O)  DC\_4A\_n260(2G-3O)  DC\_4A\_n260(G-4O)  DC\_4A\_n260(2G-4O)  DC\_4A\_n260(3G-O)  DC\_4A\_n260(4G-O)  DC\_4A\_n260(H-O)  DC\_4A\_n260(2H-O)  DC\_4A\_n260(A-P-Q)  DC\_4A\_n260(3A-O-P)  DC\_4A\_n260(A-Q)  DC\_4A\_n260(P-Q)  DC\_4A\_n260(2A-O-P)  DC\_4A\_n260(3A-P)  DC\_4A\_n260(A-O-P)  DC\_4A\_n260(2A-3G)  DC\_4A\_n260(2A-G-H)  DC\_4A\_n260(2A-Q)  DC\_4A\_n260(3A-2G-O)  DC\_4A\_n260(3A-D-O)  DC\_4A\_n260(3A-G-O)  DC\_4A\_n260(3A-G-2O)  DC\_4A\_n260(3A-H)  DC\_4A\_n260(4A-G-O)  DC\_4A\_n260(4A-P)  DC\_4A\_n260(5A-G)  DC\_4A\_n260(5A-O)  DC\_4A\_n260(A-G-2O)  DC\_4A\_n260(A-G-3O)  DC\_4A\_n260(A-G-4O)  DC\_4A\_n260(A-G-H)  DC\_4A\_n260(A-H-O)  DC\_4A\_n260(A-2G-2O)  DC\_4A\_n260(A-2G-3O)  DC\_4A\_n260(A-3G-O)  DC\_4A\_n260(A-3G)  DC\_4A\_n260(A-4G)  DC\_4A\_n260(A-D-G)  DC\_4A\_n260(A-O-Q)  DC\_4A\_n260(D-G)  DC\_4A\_n260(D-O)  DC\_4A\_n260(G-H)  DC\_4A\_n260(G-H-O)  DC\_4A\_n260(O-P)  DC\_4A\_n260(O-Q) | DC\_4A\_n260A  DC\_4A\_n260G  DC\_4A\_n260H  DC\_4A\_n260O  DC\_4A\_n260P  DC\_4A\_n260Q |
| DC\_4A\_n261A  DC\_4A\_n261D  DC\_4A\_n261G  DC\_4A\_n261H  DC\_4A\_n261I  DC\_4A\_n261J  DC\_4A\_n261K  DC\_4A\_n261L  DC\_4A\_n261M | DC\_4A\_n261A  DC\_4A\_n261D  DC\_4A\_n261G  DC\_4A\_n261H  DC\_4A\_n261I |
| DC\_4A\_n261(2A)  DC\_4A\_n261(3A)  DC\_4A\_n261(4A)  DC\_4A\_n261(2G)  DC\_4A\_n261(2H)  DC\_4A\_n261(2I)  DC\_4A\_n261(A-D)  DC\_4A\_n261(A-H)  DC\_4A\_n261(A-2H)  DC\_4A\_n261(A-D-H)  DC\_4A\_n261(A-G)  DC\_4A\_n261(A-G-H)  DC\_4A\_n261(A-I)  DC\_4A\_n261(A-2I)  DC\_4A\_n261(G-I)  DC\_4A\_n261(A-G-I)  DC\_4A\_n261(A-H-I)  DC\_4A\_n261(G-H)  DC\_4A\_n261(H-I)  DC\_4A\_n261(D-H)  DC\_4A\_n261(2A-D)  DC\_4A\_n261(2A-G)  DC\_4A\_n261(2A-H)  DC\_4A\_n261(2A-I)  DC\_4A\_n261(A-2G)  DC\_4A\_n261(A-D-G)  DC\_4A\_n261(D-G) | DC\_4A\_n261A  DC\_4A\_n261H  DC\_4A\_n261I  DC\_4A\_n261G |
| DC\_5A\_n257A  DC\_5A\_n257D  DC\_5A\_n257E  DC\_5A\_n257F  DC\_5A\_n257G  DC\_5A\_n257H  DC\_5A\_n257I  DC\_5A\_n257J  DC\_5A\_n257K  DC\_5A\_n257L  DC\_5A\_n257M  DC\_5B\_n257A | DC\_5A\_n257A  DC\_5A\_n257D  DC\_5A\_n257G  DC\_5A\_n257H  DC\_5A\_n257I  DC\_5B\_n257A |
| DC\_5A-5A\_n257A | DC\_5A\_n257A |
| DC\_5A\_n258A  DC\_5A\_n258D  DC\_5A\_n258G  DC\_5A\_n258H  DC\_5A\_n258I  DC\_5A\_n258J  DC\_5A\_n258K  DC\_5A\_n258L  DC\_5A\_n258M  DC\_5A\_n258O  DC\_5A\_n258P  DC\_5A\_n258Q | DC\_5A\_n258A  DC\_5A\_n258D  DC\_5A\_n258G  DC\_5A\_n258H  DC\_5A\_n258I  DC\_5A\_n258J  DC\_5A\_n258K  DC\_5A\_n258L  DC\_5A\_n258M  DC\_5A\_n258O  DC\_5A\_n258P  DC\_5A\_n258Q |
| DC\_5A\_n260A  DC\_5A\_n260B  DC\_5A\_n260C  DC\_5A\_n260D  DC\_5A\_n260E  DC\_5A\_n260F  DC\_5A\_n260G  DC\_5A\_n260H  DC\_5A\_n260I  DC\_5A\_n260J  DC\_5A\_n260K  DC\_5A\_n260L  DC\_5A\_n260M  DC\_5A\_n260O  DC\_5A\_n260P  DC\_5A\_n260Q  DC\_5B\_n260A | DC\_5A\_n260A  DC\_5A\_n260G  DC\_5A\_n260H  DC\_5A\_n260I  DC\_5A\_n260J  DC\_5A\_n260K  DC\_5A\_n260L  DC\_5A\_n260M  DC\_5A\_n260O  DC\_5A\_n260P  DC\_5A\_n260Q  DC\_5B\_n260A |
| DC\_5A\_n260(2A)  DC\_5A\_n260(3A)  DC\_5A\_n260(4A)  DC\_5A\_n260(5A)  DC\_5A\_n260(6A)  DC\_5A\_n260(7A)  DC\_5A\_n260(8A)  DC\_5A\_n260(9A)  DC\_5A\_n260(10A)  DC\_5A\_n260(A-I)  DC\_5A\_n260(A-P-Q)  DC\_5A\_n260(3A-O-P)  DC\_5A\_n260(D-G)  DC\_5A\_n260(D-H)  DC\_5A\_n260(D-I)  DC\_5A\_n260(D-O)  DC\_5A\_n260(D-P)  DC\_5A\_n260(D-Q)  DC\_5A\_n260(E-O)  DC\_5A\_n260(E-P)  DC\_5A\_n260(E-Q)  DC\_5A\_n260(G-I)  DC\_5A\_n260(2G)  DC\_5A\_n260(2H)  DC\_5A\_n260(2O)  DC\_5A\_n260(3O)  DC\_5A\_n260(4O)  DC\_5A\_n260(2P)  DC\_5A\_n260(3P)  DC\_5A\_n260(4P)  DC\_5A\_n260(2A-O)  DC\_5A\_n260(A-2O)  DC\_5A\_n260(2A-G)  DC\_5A\_n260(A-2G)  DC\_5A\_n260(2A-2G)  DC\_5A\_n260(2G-O)  DC\_5A\_n260(2A-2G-O)  DC\_5A\_n260(A-2H)  DC\_5A\_n260(2A-H)  DC\_5A\_n260(2A-2H)  DC\_5A\_n260(2A-2O)  DC\_5A\_n260(2A-3O)  DC\_5A\_n260(A-4O)  DC\_5A\_n260(2A-4O)  DC\_5A\_n260(3A-2O)  DC\_5A\_n260(3A-2G)  DC\_5A\_n260(4A-G)  DC\_5A\_n260(4A-2G)  DC\_5A\_n260(4A-O)  DC\_5A\_n260(4A-2O)  DC\_5A\_n260(A-O)  DC\_5A\_n260(A-G)  DC\_5A\_n260(G-O)  DC\_5A\_n260(A-G-O)  DC\_5A\_n260(2A-G-O)  DC\_5A\_n260(A-2G-O)  DC\_5A\_n260(A-H)  DC\_5A\_n260(A-3O)  DC\_5A\_n260(3A-O)  DC\_5A\_n260(3A-G)  DC\_5A\_n260(2D)  DC\_5A\_n260(3G)  DC\_5A\_n260(4G)  DC\_5A\_n260(A-D)  DC\_5A\_n260(2A-D)  DC\_5A\_n260(A-D-O)  DC\_5A\_n260(2A-D-O)  DC\_5A\_n260(D-2O)  DC\_5A\_n260(A-D-2O)  DC\_5A\_n260(2A-D-2O)  DC\_5A\_n260(A-2D)  DC\_5A\_n260(2A-2D)  DC\_5A\_n260(A-P)  DC\_5A\_n260(2A-P)  DC\_5A\_n260(A-2P)  DC\_5A\_n260(2A-2P)  DC\_5A\_n260(3A-3O)  DC\_5A\_n260(D-2G)  DC\_5A\_n260(2D-O)  DC\_5A\_n260(G-2O)  DC\_5A\_n260(2G-2O)  DC\_5A\_n260(G-3O)  DC\_5A\_n260(2G-3O)  DC\_5A\_n260(G-4O)  DC\_5A\_n260(2G-4O)  DC\_5A\_n260(3G-O)  DC\_5A\_n260(4G-O)  DC\_5A\_n260(H-O)  DC\_5A\_n260(2H-O)  DC\_5A\_n260(A-Q)  DC\_5A\_n260(P-Q)  DC\_5A\_n260(2A-4P)  DC\_5A\_n260(2O-2P)  DC\_5A\_n260(3A-P)  DC\_5A\_n260(4A-4O)  DC\_5A\_n260(4A-2Q)  DC\_5A\_n260(6A-2O)  DC\_5A\_n260(6A-2P)  DC\_5A\_n260(6A-3O)  DC\_5A\_n260(8A-2O)  DC\_5A\_n260(2A-O-P)  DC\_5A\_n260(2A-2G-2O)  DC\_5A\_n260(2A-2O-2P)  DC\_5A\_n260(2A-2O-2Q)  DC\_5A\_n260(O-P)  DC\_5A\_n260(A-O-P)  DC\_5A\_n260(2A-2O-P-Q)  DC\_5A\_n260(2A-2O-P)  DC\_5A\_n260(2A-2O-Q)  DC\_5A\_n260(2A-2Q)  DC\_5A\_n260(2A-3G)  DC\_5A\_n260(2A-3O-P)  DC\_5A\_n260(2A-3O-Q)  DC\_5A\_n260(2A-3P)  DC\_5A\_n260(2A-G-2O)  DC\_5A\_n260(2A-G-3O)  DC\_5A\_n260(2A-G-H)  DC\_5A\_n260(2A-O-2P)  DC\_5A\_n260(2A-O-2Q)  DC\_5A\_n260(2A-O-3P)  DC\_5A\_n260(2A-O-P-Q)  DC\_5A\_n260(2A-O-Q)  DC\_5A\_n260(2A-P-Q)  DC\_5A\_n260(2A-Q)  DC\_5A\_n260(2O-2Q)  DC\_5A\_n260(2O-P-Q)  DC\_5A\_n260(2O-P)  DC\_5A\_n260(2O-Q)  DC\_5A\_n260(2Q)  DC\_5A\_n260(3A-2G-O)  DC\_5A\_n260(3A-2O-P)  DC\_5A\_n260(3A-2O-Q)  DC\_5A\_n260(3A-2P)  DC\_5A\_n260(3A-2Q)  DC\_5A\_n260(3A-3P)  DC\_5A\_n260(3A-4O)  DC\_5A\_n260(3A-D-O)  DC\_5A\_n260(3A-D)  DC\_5A\_n260(3A-G-2O)  DC\_5A\_n260(3A-G-O)  DC\_5A\_n260(3A-H)  DC\_5A\_n260(3A-O-2P)  DC\_5A\_n260(3A-O-2Q)  DC\_5A\_n260(3A-O-P-Q)  DC\_5A\_n260(3A-O-Q)  DC\_5A\_n260(3A-P-Q)  DC\_5A\_n260(3A-Q)  DC\_5A\_n260(3O-P)  DC\_5A\_n260(3O-Q)  DC\_5A\_n260(4A-2P)  DC\_5A\_n260(4A-3O)  DC\_5A\_n260(4A-D)  DC\_5A\_n260(4A-G-O)  DC\_5A\_n260(4A-O-P)  DC\_5A\_n260(4A-O-Q)  DC\_5A\_n260(4A-P-Q)  DC\_5A\_n260(4A-P)  DC\_5A\_n260(4A-Q)  DC\_5A\_n260(5A-2O)  DC\_5A\_n260(5A-2P)  DC\_5A\_n260(5A-3O)  DC\_5A\_n260(5A-G)  DC\_5A\_n260(5A-O-P)  DC\_5A\_n260(5A-O)  DC\_5A\_n260(5A-P)  DC\_5A\_n260(5A-Q)  DC\_5A\_n260(6A-O-P)  DC\_5A\_n260(6A-O)  DC\_5A\_n260(6A-P)  DC\_5A\_n260(7A-2O)  DC\_5A\_n260(7A-O)  DC\_5A\_n260(7A-P)  DC\_5A\_n260(8A-O)  DC\_5A\_n260(9A-O)  DC\_5A\_n260(A-2G-2O)  DC\_5A\_n260(A-2G-3O)  DC\_5A\_n260(A-2O-2P)  DC\_5A\_n260(A-2O-2Q)  DC\_5A\_n260(A-2O-P-Q)  DC\_5A\_n260(A-2O-P)  DC\_5A\_n260(A-2O-Q)  DC\_5A\_n260(A-2Q)  DC\_5A\_n260(A-3G-O)  DC\_5A\_n260(A-3G)  DC\_5A\_n260(A-3O-P)  DC\_5A\_n260(A-3O-Q)  DC\_5A\_n260(A-3P)  DC\_5A\_n260(A-4G)  DC\_5A\_n260(A-4P)  DC\_5A\_n260(A-D-G)  DC\_5A\_n260(A-E)  DC\_5A\_n260(A-G-2O)  DC\_5A\_n260(A-G-3O)  DC\_5A\_n260(A-G-4O)  DC\_5A\_n260(A-G-H)  DC\_5A\_n260(A-H-O)  DC\_5A\_n260(A-O-2P)  DC\_5A\_n260(A-O-2Q)  DC\_5A\_n260(A-O-3P)  DC\_5A\_n260(A-O-P-Q)  DC\_5A\_n260(A-O-Q)  DC\_5A\_n260(G-H-O)  DC\_5A\_n260(G-H)  DC\_5A\_n260(O-2P)  DC\_5A\_n260(O-2Q)  DC\_5A\_n260(O-3P)  DC\_5A\_n260(O-P-Q)  DC\_5A\_n260(O-Q) | DC\_5A\_n260A  DC\_5A\_n260G  DC\_5A\_n260H  DC\_5A\_n260O  DC\_5A\_n260P  DC\_5A\_n260Q |
| DC\_5A-5A\_n260A | DC\_5A\_n260A |
| DC\_5A\_n261A  DC\_5A\_n261B  DC\_5A\_n261C  DC\_5A\_n261D  DC\_5A\_n261E  DC\_5A\_n261F  DC\_5A\_n261G  DC\_5A\_n261H  DC\_5A\_n261I  DC\_5A\_n261J  DC\_5A\_n261K  DC\_5A\_n261L  DC\_5A\_n261M  DC\_5A\_n261O  DC\_5A\_n261P  DC\_5A\_n261Q | DC\_5A\_n261A  DC\_5A\_n261G  DC\_5A\_n261H  DC\_5A\_n261I  DC\_5A\_n261J  DC\_5A\_n261K  DC\_5A\_n261L  DC\_5A\_n261M  DC\_5A\_n261O |
| DC\_5A\_n261(2A)  DC\_5A\_n261(2G)  DC\_5A\_n261(3A)  DC\_5A\_n261(4A)  DC\_5A\_n261(5A)  DC\_5A\_n261(6A)  DC\_5A\_n261(7A)  DC\_5A\_n261(8A)  DC\_5A\_n261(D-G)  DC\_5A\_n261(D-H)  DC\_5A\_n261(D-I)  DC\_5A\_n261(D-O)  DC\_5A\_n261(D-P)  DC\_5A\_n261(D-Q)  DC\_5A\_n261(E-O)  DC\_5A\_n261(E-P)  DC\_5A\_n261(E-Q)  DC\_5A\_n261(2H)  DC\_5A\_n261(2I)  DC\_5A\_n261(A-H)  DC\_5A\_n261(A-I)  DC\_5A\_n261(A-J)  DC\_5A\_n261(A-K)  DC\_5A\_n261(A-L)  DC\_5A\_n261(A-D)  DC\_5A\_n261(A-D-H)  DC\_5A\_n261(A-D-2O)  DC\_5A\_n261(A-G)  DC\_5A\_n261(A-G-H)  DC\_5A\_n261(G-I)  DC\_5A\_n261(A-G-I)  DC\_5A\_n261(A-H-I)  DC\_5A\_n261(G-H)  DC\_5A\_n261(G-J)  DC\_5A\_n261(H-I)  DC\_5A\_n261(A-2D)  DC\_5A\_n261(A-2H)  DC\_5A\_n261(A-2P)  DC\_5A\_n261(A-2Q)  DC\_5A\_n261(A-2I)  DC\_5A\_n261(A-4G)  DC\_5A\_n261(A-4O)  DC\_5A\_n261(A-7O)  DC\_5A\_n261(A-2G-2O)  DC\_5A\_n261(A-3G-O)  DC\_5A\_n261(2A-G)  DC\_5A\_n261(2A-H)  DC\_5A\_n261(2A-I)  DC\_5A\_n261(3A-G)  DC\_5A\_n261(2A-2G-O)  DC\_5A\_n261(2A-2G)  DC\_5A\_n261(2A-2O)  DC\_5A\_n261(2A-3G)  DC\_5A\_n261(2A-3O)  DC\_5A\_n261(2A-4O)  DC\_5A\_n261(2A-5O)  DC\_5A\_n261(2A-6O)  DC\_5A\_n261(2A-D-O)  DC\_5A\_n261(2A-D)  DC\_5A\_n261(2A-G-2O)  DC\_5A\_n261(2A-G-O)  DC\_5A\_n261(2A-O)  DC\_5A\_n261(2A-P)  DC\_5A\_n261(2A-Q)  DC\_5A\_n261(2D)  DC\_5A\_n261(2G-2O)  DC\_5A\_n261(2G-O)  DC\_5A\_n261(2O)  DC\_5A\_n261(2P)  DC\_5A\_n261(2Q)  DC\_5A\_n261(3A-2G)  DC\_5A\_n261(3A-2O)  DC\_5A\_n261(3A-3O)  DC\_5A\_n261(3A-4O)  DC\_5A\_n261(3A-5O)  DC\_5A\_n261(3A-D)  DC\_5A\_n261(3A-G-O)  DC\_5A\_n261(3A-O)  DC\_5A\_n261(3G-O)  DC\_5A\_n261(3G)  DC\_5A\_n261(3O)  DC\_5A\_n261(4A-2O)  DC\_5A\_n261(4A-3O)  DC\_5A\_n261(4A-4O)  DC\_5A\_n261(4A-G)  DC\_5A\_n261(4A-O)  DC\_5A\_n261(4G)  DC\_5A\_n261(4O)  DC\_5A\_n261(5A-2O)  DC\_5A\_n261(5A-3O)  DC\_5A\_n261(5A-O)  DC\_5A\_n261(5O)  DC\_5A\_n261(6A-2O)  DC\_5A\_n261(6A-O)  DC\_5A\_n261(6O)  DC\_5A\_n261(7A-O)  DC\_5A\_n261(7O)  DC\_5A\_n261(A-2G-O)  DC\_5A\_n261(A-2G)  DC\_5A\_n261(A-2O)  DC\_5A\_n261(A-3G)  DC\_5A\_n261(A-3O)  DC\_5A\_n261(A-5O)  DC\_5A\_n261(A-6O)  DC\_5A\_n261(A-D-G)  DC\_5A\_n261(A-D-O)  DC\_5A\_n261(A-E)  DC\_5A\_n261(A-G-2O)  DC\_5A\_n261(A-G-O)  DC\_5A\_n261(A-O-P)  DC\_5A\_n261(A-O-Q)  DC\_5A\_n261(A-O)  DC\_5A\_n261(A-P-Q)  DC\_5A\_n261(A-P)  DC\_5A\_n261(A-Q)  DC\_5A\_n261(D-2O)  DC\_5A\_n261(G-2O)  DC\_5A\_n261(G-O)  DC\_5A\_n261(O-P)  DC\_5A\_n261(O-Q)  DC\_5A\_n261(P-Q) | DC\_5A\_n261A  DC\_5A\_n261G  DC\_5A\_n261H  DC\_5A\_n261I |
| DC\_7A\_n257A  DC\_7A\_n257D  DC\_7A\_n257E  DC\_7A\_n257F  DC\_7A\_n257G  DC\_7A\_n257H  DC\_7A\_n257I  DC\_7A\_n257J  DC\_7A\_n257K  DC\_7A\_n257L  DC\_7A\_n257M | DC\_7A\_n257A  DC\_7A\_n257D  DC\_7A\_n257G  DC\_7A\_n257H  DC\_7A\_n257I  DC\_7A\_n257J  DC\_7A\_n257K |
| DC\_7A\_n257(2A)  DC\_7A\_n257(A-G)  DC\_7A\_n257(2G) | DC\_7A\_n257A  DC\_7A\_n257G  DC\_7A\_n257(2A)  DC\_7A\_n257(2G) |
| DC\_7A-7A\_n257A  DC\_7A-7A\_n257D  DC\_7A-7A\_n257E  DC\_7A-7A\_n257F  DC\_7A-7A\_n257G  DC\_7A-7A\_n257H  DC\_7A-7A\_n257I  DC\_7A-7A\_n257J  DC\_7A-7A\_n257K  DC\_7A-7A\_n257L  DC\_7A-7A\_n257M | DC\_7A\_n257A  DC\_7A\_n257D  DC\_7A\_n257G  DC\_7A\_n257H  DC\_7A\_n257I  DC\_7A\_n257J  DC\_7A\_n257K |
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| DC\_7A\_n258(2A)  DC\_7A\_n258(A-G)  DC\_7A\_n258(2G) | DC\_7A\_n258A  DC\_7A\_n258G  DC\_7A\_n258(2A)  DC\_7A\_n258(A-G)  DC\_7A\_n258(2G) |
| DC\_7A\_n260A  DC\_7A\_n260G  DC\_7A\_n260H  DC\_7A\_n260I  DC\_7A\_n260J  DC\_7A\_n260K  DC\_7A\_n260L  DC\_7A\_n260M  DC\_7A\_n260O  DC\_7A\_n260P  DC\_7A\_n260Q | DC\_7A\_n260A  DC\_7A\_n260G  DC\_7A\_n260H  DC\_7A\_n260I  DC\_7A\_n260J  DC\_7A\_n260K  DC\_7A\_n260L  DC\_7A\_n260M  DC\_7A\_n260O  DC\_7A\_n260P  DC\_7A\_n260Q |
| DC\_7A\_n261A  DC\_7A\_n261G  DC\_7A\_n261H  DC\_7A\_n261I  DC\_7A\_n261J  DC\_7A\_n261K  DC\_7A\_n261L  DC\_7A\_n261M  DC\_7A\_n261O  DC\_7A\_n261P  DC\_7A\_n261Q | DC\_7A\_n261A  DC\_7A\_n261G  DC\_7A\_n261H  DC\_7A\_n261I  DC\_7A\_n261J  DC\_7A\_n261K  DC\_7A\_n261L  DC\_7A\_n261M  DC\_7A\_n261O  DC\_7A\_n261P  DC\_7A\_n261Q |
| DC\_8A\_n257A  DC\_8A\_n257D  DC\_8A\_n257E  DC\_8A\_n257F  DC\_8A\_n257G  DC\_8A\_n257H  DC\_8A\_n257I  DC\_8A\_n257J  DC\_8A\_n257K  DC\_8A\_n257L  DC\_8A\_n257M  DC\_8B\_n257A  DC\_8B\_n257D  DC\_8B\_n257G  DC\_8B\_n257H  DC\_8B\_n257I | DC\_8A\_n257A  DC\_8A\_n257D  DC\_8A\_n257G  DC\_8A\_n257H  DC\_8A\_n257I |
| DC\_8A\_n258A  DC\_8A\_n258B  DC\_8A\_n258C  DC\_8A\_n258D  DC\_8A\_n258E  DC\_8A\_n258F  DC\_8A\_n258G  DC\_8A\_n258H  DC\_8A\_n258I  DC\_8A\_n258J  DC\_8A\_n258K  DC\_8A\_n258L  DC\_8A\_n258M | DC\_8A\_n258A |
| DC\_11A\_n257A  DC\_11A\_n257D  DC\_11A\_n257G  DC\_11A\_n257H  DC\_11A\_n257I | DC\_11A\_n257A  DC\_11A\_n257D  DC\_11A\_n257G  DC\_11A\_n257H  DC\_11A\_n257I |
| DC\_12A\_n257A  DC\_12A\_n257G  DC\_12A\_n257H  DC\_12A\_n257I  DC\_12A\_n257J  DC\_12A\_n257K  DC\_12A\_n257L  DC\_12A\_n257M | DC\_12A\_n257A  DC\_12A\_n257G  DC\_12A\_n257H  DC\_12A\_n257I  DC\_12A\_n257J  DC\_12A\_n257K  DC\_12A\_n257L  DC\_12A\_n257M |
| DC\_12A\_n258A  DC\_12A\_n258D  DC\_12A\_n258G  DC\_12A\_n258H  DC\_12A\_n258I  DC\_12A\_n258J  DC\_12A\_n258K  DC\_12A\_n258L  DC\_12A\_n258M  DC\_12A\_n258O  DC\_12A\_n258P  DC\_12A\_n258Q | DC\_12A\_n258A  DC\_12A\_n258D  DC\_12A\_n258G  DC\_12A\_n258H  DC\_12A\_n258I  DC\_12A\_n258J  DC\_12A\_n258K  DC\_12A\_n258L  DC\_12A\_n258M  DC\_12A\_n258O  DC\_12A\_n258P  DC\_12A\_n258Q |
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| DC\_12A\_n260(2A)  DC\_12A\_n260(2G)  DC\_12A\_n260(A-G)  DC\_12A\_n260(A-H)  DC\_12A\_n260(G-H)  DC\_12A\_n260(A-I)  DC\_12A\_n260(G-I) | DC\_12A\_n260A |
| DC\_12A\_n261A  DC\_12A\_n261B  DC\_12A\_n261C  DC\_12A\_n261D  DC\_12A\_n261E  DC\_12A\_n261F  DC\_12A\_n261G  DC\_12A\_n261H  DC\_12A\_n261I  DC\_12A\_n261J  DC\_12A\_n261K  DC\_12A\_n261L  DC\_12A\_n261M  DC\_12A\_n261O  DC\_12A\_n261P  DC\_12A\_n261Q | DC\_12A\_n261A  DC\_12A\_n261B  DC\_12A\_n261C  DC\_12A\_n261D  DC\_12A\_n261E  DC\_12A\_n261F  DC\_12A\_n261G  DC\_12A\_n261H  DC\_12A\_n261I  DC\_12A\_n261J  DC\_12A\_n261K  DC\_12A\_n261L  DC\_12A\_n261M  DC\_12A\_n261O  DC\_12A\_n261P  DC\_12A\_n261Q |
| DC\_13A\_n257A | DC\_13A\_n257A |
| DC\_13A\_n260A  DC\_13A\_n260D  DC\_13A\_n260G  DC\_13A\_n260H  DC\_13A\_n260I  DC\_13A\_n260J  DC\_13A\_n260K  DC\_13A\_n260L  DC\_13A\_n260M  DC\_13A\_n260O  DC\_13A\_n260P  DC\_13A\_n260Q | DC\_13A\_n260A  DC\_13A\_n260G  DC\_13A\_n260H  DC\_13A\_n260I  DC\_13A\_n260J  DC\_13A\_n260K  DC\_13A\_n260L  DC\_13A\_n260M  DC\_13A\_n260O  DC\_13A\_n260P  DC\_13A\_n260Q |
| DC\_13A\_n260(2A)  DC\_13A\_n260(3A)  DC\_13A\_n260(4A)  DC\_13A\_n260(5A)  DC\_13A\_n260(6A)  DC\_13A\_n260(7A)  DC\_13A\_n260(8A)  DC\_13A\_n260(2D)  DC\_13A\_n260(2G)  DC\_13A\_n260(3G)  DC\_13A\_n260(4G)  DC\_13A\_n260(2H)  DC\_13A\_n260(2O)  DC\_13A\_n260(3O)  DC\_13A\_n260(4O)  DC\_13A\_n260(A-G)  DC\_13A\_n260(A-2G)  DC\_13A\_n260(A-P)  DC\_13A\_n260(A-Q)  DC\_13A\_n260(2A-G)  DC\_13A\_n260(2A-H)  DC\_13A\_n260(2A-2G)  DC\_13A\_n260(2A-2H)  DC\_13A\_n260(3A-G)  DC\_13A\_n260(3A-O)  DC\_13A\_n260(3A-P)  DC\_13A\_n260(3A-2O)  DC\_13A\_n260(4A-O)  DC\_13A\_n260(4A-2O)  DC\_13A\_n260(P-Q)  DC\_13A\_n260(A-P-Q)  DC\_13A\_n260(2A-O-P)  DC\_13A\_n260(3A-O-P)  DC\_13A\_n260(A-H)  DC\_13A\_n260(A-2H)  DC\_13A\_n260(2A-O)  DC\_13A\_n260(A-O)  DC\_13A\_n260(2A-P)  DC\_13A\_n260(A-O-P)  DC\_13A\_n260(O-P)  DC\_13A\_n260(2A-2O)  DC\_13A\_n260(A-2O)  DC\_13A\_n260(G-H)  DC\_13A\_n260(2A-G-H)  DC\_13A\_n260(2A-Q)  DC\_13A\_n260(2P)  DC\_13A\_n260(3A-H)  DC\_13A\_n260(4A-P)  DC\_13A\_n260(5A-O)  DC\_13A\_n260(A-2P)  DC\_13A\_n260(A-3G)  DC\_13A\_n260(A-3O)  DC\_13A\_n260(A-D)  DC\_13A\_n260(A-G-H)  DC\_13A\_n260(A-O-Q)  DC\_13A\_n260(O-Q) | DC\_13A\_n260A  DC\_13A\_n260G  DC\_13A\_n260H  DC\_13A\_n260O  DC\_13A\_n260P  DC\_13A\_n260Q |
| DC\_13A\_n261A  DC\_13A\_n261G  DC\_13A\_n261H  DC\_13A\_n261J  DC\_13A\_n261K  DC\_13A\_n261I  DC\_13A\_n261L  DC\_13A\_n261M | DC\_13A\_n261A  DC\_13A\_n261G  DC\_13A\_n261H  DC\_13A\_n261I  DC\_13A\_n261J  DC\_13A\_n261K  DC\_13A\_n261L  DC\_13A\_n261M |
| DC\_13A\_n261(2A)  DC\_13A\_n261(2G)  DC\_13A\_n261(3A)  DC\_13A\_n261(4A)  DC\_13A\_n261(2H)  DC\_13A\_n261(2I)  DC\_13A\_n261(A-G)  DC\_13A\_n261(A-K)  DC\_13A\_n261(A-L)  DC\_13A\_n261(A-2G)  DC\_13A\_n261(A-H)  DC\_13A\_n261(A-I)  DC\_13A\_n261(A-J)  DC\_13A\_n261(2A-G)  DC\_13A\_n261(2A-H)  DC\_13A\_n261(2A-I)  DC\_13A\_n261(3A-G)  DC\_13A\_n261(G-H)  DC\_13A\_n261(G-I)  DC\_13A\_n261(G-J)  DC\_13A\_n261(H-I)  DC\_13A\_n261(A-G-H)  DC\_13A\_n261(A-G-I) | DC\_13A\_n261A  DC\_13A\_n261G  DC\_13A\_n261H  DC\_13A\_n261I |
| DC\_14A\_n258A | DC\_14A\_n258A |
| DC\_14A\_n260A  DC\_14A\_n260G  DC\_14A\_n260H  DC\_14A\_n260I  DC\_14A\_n260J  DC\_14A\_n260K  DC\_14A\_n260L  DC\_14A\_n260M | DC\_14A\_n260A  DC\_14A\_n260G  DC\_14A\_n260H  DC\_14A\_n260I  DC\_14A\_n260J  DC\_14A\_n260K  DC\_14A\_n260L  DC\_14A\_n260M |
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| DC\_20A\_n257A  DC\_20A\_n257B  DC\_20A\_n257C  DC\_20A\_n257D  DC\_20A\_n257E  DC\_20A\_n257F  DC\_20A\_n257G  DC\_20A\_n257H  DC\_20A\_n257I  DC\_20A\_n257J  DC\_20A\_n257K  DC\_20A\_n257L  DC\_20A\_n257M | DC\_20A\_n257A |
| DC\_20A\_n258A  DC\_20A\_n258B  DC\_20A\_n258C  DC\_20A\_n258D  DC\_20A\_n258E  DC\_20A\_n258F  DC\_20A\_n258G  DC\_20A\_n258H  DC\_20A\_n258I  DC\_20A\_n258J  DC\_20A\_n258K  DC\_20A\_n258L  DC\_20A\_n258M | DC\_20A\_n258A |
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| DC\_26A\_n257A | DC\_26A\_n257A |
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| DC\_28A\_n258A  DC\_28A\_n258B  DC\_28A\_n258C  DC\_28A\_n258D  DC\_28A\_n258E  DC\_28A\_n258F  DC\_28A\_n258G  DC\_28A\_n258H  DC\_28A\_n258I  DC\_28A\_n258J  DC\_28A\_n258K  DC\_28A\_n258L  DC\_28A\_n258M | DC\_28A\_n258A  DC\_28A\_n258G  DC\_28A\_n258H  DC\_28A\_n258I |
| DC\_30A\_n258A | DC\_30A\_n258A |
| DC\_30A\_n260A  DC\_30A\_n260G  DC\_30A\_n260H  DC\_30A\_n260I  DC\_30A\_n260J  DC\_30A\_n260K  DC\_30A\_n260L  DC\_30A\_n260M | DC\_30A\_n260A  DC\_30A\_n260G  DC\_30A\_n260H  DC\_30A\_n260I  DC\_30A\_n260J  DC\_30A\_n260K  DC\_30A\_n260L  DC\_30A\_n260M |
| DC\_30A\_n260(2A)  DC\_30A\_n260(2G)  DC\_30A\_n260(A-G)  DC\_30A\_n260(A-H)  DC\_30A\_n260(G-H)  DC\_30A\_n260(A-I)  DC\_30A\_n260(G-I) | DC\_30A\_n260A |
| DC\_38A\_n257A  DC\_38A\_n257G  DC\_38A\_n257H  DC\_38A\_n257I  DC\_38A\_n257J  DC\_38A\_n257K  DC\_38A\_n257L  DC\_38A\_n257M | DC\_38A\_n257A  DC\_38A\_n257G  DC\_38A\_n257H  DC\_38A\_n257I  DC\_38A\_n257J  DC\_38A\_n257K  DC\_38A\_n257L  DC\_38A\_n257M |
| DC\_38A\_n258A  DC\_38A\_n258G  DC\_38A\_n258H  DC\_38A\_n258I  DC\_38A\_n258J  DC\_38A\_n258K  DC\_38A\_n258L  DC\_38A\_n258M | DC\_38A\_n258A  DC\_38A\_n258G  DC\_38A\_n258H  DC\_38A\_n258I  DC\_38A\_n258J  DC\_38A\_n258K  DC\_38A\_n258L  DC\_38A\_n258M |
| DC\_39A\_n257A  DC\_39A\_n257D  DC\_39A\_n257E  DC\_39A\_n257F  DC\_39A\_n257G  DC\_39A\_n257H  DC\_39A\_n257I  DC\_39A\_n257J  DC\_39A\_n257K  DC\_39A\_n257L  DC\_39A\_n257M | DC\_39A\_n257A |
| DC\_39A\_n258A  DC\_39A\_n258B  DC\_39A\_n258C  DC\_39A\_n258D  DC\_39A\_n258E  DC\_39A\_n258F  DC\_39A\_n258G  DC\_39A\_n258H  DC\_39A\_n258I  DC\_39A\_n258J  DC\_39A\_n258K  DC\_39A\_n258L  DC\_39A\_n258M | DC\_39A\_n258A  DC\_39A\_n258B  DC\_39A\_n258C  DC\_39A\_n258D  DC\_39A\_n258E  DC\_39A\_n258F  DC\_39A\_n258G  DC\_39A\_n258H  DC\_39A\_n258I  DC\_39A\_n258J  DC\_39A\_n258K  DC\_39A\_n258L  DC\_39A\_n258M |
| DC\_40A\_n257A  DC\_40A\_n257D  DC\_40A\_n257E  DC\_40A\_n257F  DC\_40A\_n257G  DC\_40A\_n257H  DC\_40A\_n257I  DC\_40A\_n257J  DC\_40A\_n257K  DC\_40A\_n257L  DC\_40A\_n257M  DC\_40C\_n257A  DC\_40C\_n257D  DC\_40C\_n257E  DC\_40C\_n257F  DC\_40C\_n257G  DC\_40C\_n257H  DC\_40C\_n257I  DC\_40C\_n257J  DC\_40C\_n257K  DC\_40C\_n257L  DC\_40C\_n257M | DC\_40A\_n257A  DC\_40A\_n257G  DC\_40A\_n257H  DC\_40A\_n257I  DC\_40A\_n257J  DC\_40A\_n257K  DC\_40A\_n257L  DC\_40A\_n257M |
| DC\_40A-40A\_n257A  DC\_40A-40A\_n257D  DC\_40A-40A\_n257E  DC\_40A-40A\_n257F  DC\_40A-40A\_n257G  DC\_40A-40A\_n257H  DC\_40A-40A\_n257I  DC\_40A-40A\_n257J  DC\_40A-40A\_n257K  DC\_40A-40A\_n257L  DC\_40A-40A\_n257M | DC\_40A\_n257A  DC\_40A\_n257G  DC\_40A\_n257H  DC\_40A\_n257I  DC\_40A\_n257J  DC\_40A\_n257K  DC\_40A\_n257L  DC\_40A\_n257M |
| DC\_40A\_n258A  DC\_40A\_n258B  DC\_40A\_n258C  DC\_40A\_n258D  DC\_40A\_n258E  DC\_40A\_n258F  DC\_40A\_n258G  DC\_40A\_n258H  DC\_40A\_n258I  DC\_40A\_n258J  DC\_40A\_n258K  DC\_40A\_n258L  DC\_40A\_n258M | DC\_40A\_n258A  DC\_40A\_n258B  DC\_40A\_n258C  DC\_40A\_n258D  DC\_40A\_n258E  DC\_40A\_n258F  DC\_40A\_n258G  DC\_40A\_n258H  DC\_40A\_n258I  DC\_40A\_n258J  DC\_40A\_n258K  DC\_40A\_n258L  DC\_40A\_n258M |
| DC\_41A\_n257A  DC\_41A\_n257D  DC\_41A\_n257E  DC\_41A\_n257F  DC\_41A\_n257G  DC\_41A\_n257H  DC\_41A\_n257I  DC\_41A\_n257J  DC\_41A\_n257K  DC\_41A\_n257L  DC\_41A\_n257M  DC\_41C\_n257A  DC\_41C\_n257D  DC\_41C\_n257E  DC\_41C\_n257F  DC\_41C\_n257G  DC\_41C\_n257H  DC\_41C\_n257I  DC\_41C\_n257J  DC\_41C\_n257K  DC\_41C\_n257L  DC\_41C\_n257M | DC\_41A\_n257A  DC\_41A\_n257D  DC\_41A\_n257G  DC\_41A\_n257H  DC\_41A\_n257I  DC\_41C\_n257A  DC\_41C\_n257D  DC\_41C\_n257G  DC\_41C\_n257H  DC\_41C\_n257I |
| DC\_41A\_n258A  DC\_41A\_n258B  DC\_41A\_n258C  DC\_41A\_n258D  DC\_41A\_n258E  DC\_41A\_n258F  DC\_41A\_n258G  DC\_41A\_n258H  DC\_41A\_n258I  DC\_41A\_n258J  DC\_41A\_n258K  DC\_41A\_n258L  DC\_41A\_n258M | DC\_41A\_n258A  DC\_41A\_n258B  DC\_41A\_n258C  DC\_41A\_n258D  DC\_41A\_n258E  DC\_41A\_n258F  DC\_41A\_n258G  DC\_41A\_n258H  DC\_41A\_n258I  DC\_41A\_n258J  DC\_41A\_n258K  DC\_41A\_n258L  DC\_41A\_n258M |
| DC\_42A\_n257A  DC\_42A\_n257D  DC\_42A\_n257E  DC\_42A\_n257F  DC\_42A\_n257G  DC\_42A\_n257H  DC\_42A\_n257I  DC\_42A\_n257J  DC\_42A\_n257K  DC\_42A\_n257L  DC\_42A\_n257M  DC\_42C\_n257A  DC\_42C\_n257D  DC\_42C\_n257E  DC\_42C\_n257F  DC\_42C\_n257G  DC\_42C\_n257H  DC\_42C\_n257I  DC\_42C\_n257J  DC\_42C\_n257K  DC\_42C\_n257L  DC\_42C\_n257M  DC\_42D\_n257A  DC\_42D\_n257D  DC\_42D\_n257E  DC\_42D\_n257F  DC\_42D\_n257G  DC\_42D\_n257H  DC\_42D\_n257I  DC\_42D\_n257J  DC\_42D\_n257K  DC\_42D\_n257L  DC\_42D\_n257M  DC\_42E\_n257A  DC\_42E\_n257D  DC\_42E\_n257E  DC\_42E\_n257F  DC\_42E\_n257G  DC\_42E\_n257H  DC\_42E\_n257I  DC\_42E\_n257J  DC\_42E\_n257K  DC\_42E\_n257L  DC\_42E\_n257M | DC\_42A\_n257A  DC\_42A\_n257D  DC\_42A\_n257E  DC\_42A\_n257F  DC\_42A\_n257G  DC\_42A\_n257H  DC\_42A\_n257I  DC\_42A\_n257J  DC\_42A\_n257K  DC\_42A\_n257L  DC\_42A\_n257M  DC\_42C\_n257A  DC\_42C\_n257D  DC\_42C\_n257E  DC\_42C\_n257F  DC\_42D\_n257A  DC\_42D\_n257D  DC\_42D\_n257E  DC\_42D\_n257F  DC\_42E\_n257A  DC\_42E\_n257D  DC\_42E\_n257E  DC\_42E\_n257F |
| DC\_42A-42A\_n257A  DC\_42A-42A\_n257D  DC\_42A-42A\_n257E  DC\_42A-42A\_n257F  DC\_42A-42A\_n257G  DC\_42A-42A\_n257H  DC\_42A-42A\_n257I  DC\_42A-42A\_n257J  DC\_42A-42A\_n257K  DC\_42A-42A\_n257L  DC\_42A-42A\_n257M | DC\_42A\_n257A  DC\_42A\_n257G  DC\_42A\_n257H  DC\_42A\_n257I  DC\_42A\_n257J  DC\_42A\_n257K  DC\_42A\_n257L  DC\_42A\_n257M |
| DC\_46A\_n260A3 | N/A |
| DC\_46A\_n261A3 | N/A |
| DC\_48A\_n257A  DC\_48C\_n257A | DC\_48A\_n257A  DC\_48C\_n257A |
| DC\_48A-48A\_n257A | DC\_48A\_n257A |
| DC\_48A\_n260A  DC\_48A\_n260G  DC\_48A\_n260H  DC\_48A\_n260I  DC\_48A\_n260J  DC\_48A\_n260K  DC\_48A\_n260L  DC\_48A\_n260M  DC\_48C\_n260A  DC\_48D\_n260A | DC\_48A\_n260A  DC\_48A\_n260G  DC\_48A\_n260H  DC\_48A\_n260I  DC\_48C\_n260A |
| DC\_48A\_n260(2A)  DC\_48C\_n260(2A)  DC\_48D\_n260(2A)  DC\_48A\_n260(3A)  DC\_48C\_n260(3A)  DC\_48D\_n260(3A)  DC\_48A\_n260(4A)  DC\_48C\_n260(4A)  DC\_48D\_n260(4A) | DC\_48A\_n260A  DC\_48A\_n260G  DC\_48A\_n260H  DC\_48A\_n260I  DC\_48C\_n260A |
| DC\_48A-48A\_n260A | DC\_48A\_n260A |
| DC\_48A\_n261A  DC\_48A\_n261G  DC\_48A\_n261H  DC\_48A\_n261I  DC\_48A\_n261J  DC\_48A\_n261K  DC\_48A\_n261L  DC\_48A\_n261M  DC\_48C\_n261A  DC\_48D\_n261A | DC\_48A\_n261A  DC\_48A\_n261G  DC\_48A\_n261H  DC\_48A\_n261I  DC\_48C\_n261A |
| DC\_48A\_n261(A-G)  DC\_48A\_n261(A-G-H)  DC\_48A\_n261(A-G-I)  DC\_48A\_n261(A-H)  DC\_48A\_n261(A-I)  DC\_48A\_n261(A-J)  DC\_48A\_n261(A-K)  DC\_48A\_n261(A-L)  DC\_48A\_n261(A-2G)  DC\_48A\_n261(G-H)  DC\_48A\_n261(G-I)  DC\_48A\_n261(G-J)  DC\_48A\_n261(H-I)  DC\_48A\_n261(2A)  DC\_48C\_n261(2A)  DC\_48D\_n261(2A)  DC\_48A\_n261(3A)  DC\_48A\_n261(2A-G)  DC\_48A\_n261(2A-H)  DC\_48A\_n261(2A-I)  DC\_48A\_n261(2G)  DC\_48A\_n261(2H)  DC\_48A\_n261(4A)  DC\_48A\_n261(3A-G) | DC\_48A\_n261A  DC\_48A\_n261G  DC\_48A\_n261H  DC\_48A\_n261I  DC\_48C\_n261A |
| DC\_66A\_n257A  DC\_66A\_n257G  DC\_66A\_n257H  DC\_66A\_n257I  DC\_66A\_n257J  DC\_66A\_n257K  DC\_66A\_n257L  DC\_66A\_n257M  DC\_66C\_n257A | DC\_66A\_n257A  DC\_66A\_n257G |
| DC\_66A\_n257(2A)  DC\_66A-66A\_n257A | DC\_66A\_n257A |
| DC\_66A\_n258A  DC\_66A\_n258D  DC\_66A\_n258G  DC\_66A\_n258H  DC\_66A\_n258I  DC\_66A\_n258J  DC\_66A\_n258K  DC\_66A\_n258L  DC\_66A\_n258M  DC\_66A\_n258O  DC\_66A\_n258P  DC\_66A\_n258Q | DC\_66A\_n258A  DC\_66A\_n258D  DC\_66A\_n258G  DC\_66A\_n258H  DC\_66A\_n258I  DC\_66A\_n258J  DC\_66A\_n258K  DC\_66A\_n258L  DC\_66A\_n258M  DC\_66A\_n258O  DC\_66A\_n258P  DC\_66A\_n258Q |
| DC\_66A\_n258(2A)  DC\_66A\_n258(3A)  DC\_66A\_n258(4A)  DC\_66A\_n258(5A) | DC\_66A\_n258A |
| DC\_66A\_n260A  DC\_66A\_n260D  DC\_66A\_n260E  DC\_66A\_n260F  DC\_66A\_n260G  DC\_66A\_n260H  DC\_66A\_n260I  DC\_66A\_n260J  DC\_66A\_n260K  DC\_66A\_n260L  DC\_66A\_n260M  DC\_66A\_n260O  DC\_66A\_n260P  DC\_66A\_n260Q | DC\_66A\_n260A  DC\_66A\_n260G  DC\_66A\_n260H  DC\_66A\_n260I  DC\_66A\_n260J  DC\_66A\_n260K  DC\_66A\_n260L  DC\_66A\_n260M  DC\_66A\_n260O  DC\_66A\_n260P  DC\_66A\_n260Q |
| DC\_66A\_n260(2A)  DC\_66A\_n260(3A)  DC\_66A\_n260(4A)  DC\_66A\_n260(5A)  DC\_66A\_n260(6A)  DC\_66A\_n260(7A)  DC\_66A\_n260(8A)  DC\_66A\_n260(9A)  DC\_66A\_n260(10A)  DC\_66A\_n260(A-I)  DC\_66A\_n260(D-G)  DC\_66A\_n260(D-H)  DC\_66A\_n260(D-I)  DC\_66A\_n260(D-O)  DC\_66A\_n260(D-P)  DC\_66A\_n260(D-Q)  DC\_66A\_n260(E-O)  DC\_66A\_n260(E-P)  DC\_66A\_n260(E-Q)  DC\_66A\_n260(G-I)  DC\_66A\_n260(2G)  DC\_66A\_n260(2H)  DC\_66A\_n260(2O)  DC\_66A\_n260(3O)  DC\_66A\_n260(4O)  DC\_66A\_n260(2P)  DC\_66A\_n260(3P)  DC\_66A\_n260(4P)  DC\_66A\_n260(2A-O)  DC\_66A\_n260(A-2O)  DC\_66A\_n260(2A-G)  DC\_66A\_n260(A-2G)  DC\_66A\_n260(2A-2G)  DC\_66A\_n260(2G-O)  DC\_66A\_n260(2A-2G-O)  DC\_66A\_n260(A-2H)  DC\_66A\_n260(2A-H)  DC\_66A\_n260(2A-2H)  DC\_66A\_n260(2A-2O)  DC\_66A\_n260(2A-3O)  DC\_66A\_n260(A-4O)  DC\_66A\_n260(2A-4O)  DC\_66A\_n260(3A-2O)  DC\_66A\_n260(3A-2G)  DC\_66A\_n260(4A-G)  DC\_66A\_n260(4A-2G)  DC\_66A\_n260(4A-O)  DC\_66A\_n260(4A-2O)  DC\_66A\_n260(A-O)  DC\_66A\_n260(A-G)  DC\_66A\_n260(G-O)  DC\_66A\_n260(A-G-O)  DC\_66A\_n260(2A-G-O)  DC\_66A\_n260(A-2G-O)  DC\_66A\_n260(A-H)  DC\_66A\_n260(A-3O)  DC\_66A\_n260(3A-O)  DC\_66A\_n260(3A-O-P)  DC\_66A\_n260(3A-P)  DC\_66A\_n260(3A-G)  DC\_66A\_n260(2D)  DC\_66A\_n260(3G)  DC\_66A\_n260(4G)  DC\_66A\_n260(A-D)  DC\_66A\_n260(2A-D)  DC\_66A\_n260(A-D-O)  DC\_66A\_n260(2A-D-O)  DC\_66A\_n260(D-2O)  DC\_66A\_n260(A-D-2O)  DC\_66A\_n260(2A-D-2O)  DC\_66A\_n260(2A-O-P)  DC\_66A\_n260(A-2D)  DC\_66A\_n260(2A-2D)  DC\_66A\_n260(A-P)  DC\_66A\_n260(A-P-Q)  DC\_66A\_n260(2A-P)  DC\_66A\_n260(A-2P)  DC\_66A\_n260(2A-2P)  DC\_66A\_n260(3A-3O)  DC\_66A\_n260(D-2G)  DC\_66A\_n260(2D-O)  DC\_66A\_n260(G-H)  DC\_66A\_n260(G-2O)  DC\_66A\_n260(2G-2O)  DC\_66A\_n260(G-3O)  DC\_66A\_n260(2G-3O)  DC\_66A\_n260(G-4O)  DC\_66A\_n260(2G-4O)  DC\_66A\_n260(3G-O)  DC\_66A\_n260(4G-O)  DC\_66A\_n260(H-O)  DC\_66A\_n260(2H-O)  DC\_66A\_n260(2A-2G-2O)  DC\_66A\_n260(6A-2O)  DC\_66A\_n260(8A-2O)  DC\_66A\_n260(2A-2O-2P)  DC\_66A\_n260(6A-3O)  DC\_66A\_n260(4A-4O)  DC\_66A\_n260(6A-2P)  DC\_66A\_n260(2O-2P)  DC\_66A\_n260(2A-4P)  DC\_66A\_n260(4A-2Q)  DC\_66A\_n260(2A-2O-2Q)  DC\_66A\_n260(A-Q)  DC\_66A\_n260(P-Q)  DC\_66A\_n260(A-O-P)  DC\_66A\_n260(O-P)  DC\_66A\_n260(2A-2O-P-Q)  DC\_66A\_n260(2A-2O-P)  DC\_66A\_n260(2A-2O-Q)  DC\_66A\_n260(2A-2Q)  DC\_66A\_n260(2A-3G)  DC\_66A\_n260(2A-3O-P)  DC\_66A\_n260(2A-3O-Q)  DC\_66A\_n260(2A-3P)  DC\_66A\_n260(2A-G-2O)  DC\_66A\_n260(2A-G-3O)  DC\_66A\_n260(2A-G-H)  DC\_66A\_n260(2A-O-2P)  DC\_66A\_n260(2A-O-2Q)  DC\_66A\_n260(2A-O-3P)  DC\_66A\_n260(2A-O-P-Q)  DC\_66A\_n260(2A-O-Q)  DC\_66A\_n260(2A-P-Q)  DC\_66A\_n260(2A-Q)  DC\_66A\_n260(2O-2Q)  DC\_66A\_n260(2O-P-Q)  DC\_66A\_n260(2O-P)  DC\_66A\_n260(2O-Q)  DC\_66A\_n260(2Q)  DC\_66A\_n260(3A-2G-O)  DC\_66A\_n260(3A-2O-P)  DC\_66A\_n260(3A-2O-Q)  DC\_66A\_n260(3A-2P)  DC\_66A\_n260(3A-2Q)  DC\_66A\_n260(3A-3P)  DC\_66A\_n260(3A-4O)  DC\_66A\_n260(3A-D-O)  DC\_66A\_n260(3A-D)  DC\_66A\_n260(3A-G-2O)  DC\_66A\_n260(3A-G-O)  DC\_66A\_n260(3A-H)  DC\_66A\_n260(3A-O-2P)  DC\_66A\_n260(3A-O-2Q)  DC\_66A\_n260(3A-O-P-Q)  DC\_66A\_n260(3A-O-Q)  DC\_66A\_n260(3A-P-Q)  DC\_66A\_n260(3A-Q)  DC\_66A\_n260(3O-P)  DC\_66A\_n260(3O-Q)  DC\_66A\_n260(4A-2P)  DC\_66A\_n260(4A-3O)  DC\_66A\_n260(4A-D)  DC\_66A\_n260(4A-G-O)  DC\_66A\_n260(4A-O-P)  DC\_66A\_n260(4A-O-Q)  DC\_66A\_n260(4A-P-Q)  DC\_66A\_n260(4A-P)  DC\_66A\_n260(4A-Q)  DC\_66A\_n260(5A-2O)  DC\_66A\_n260(5A-2P)  DC\_66A\_n260(5A-3O)  DC\_66A\_n260(5A-G)  DC\_66A\_n260(5A-O-P)  DC\_66A\_n260(5A-O)  DC\_66A\_n260(5A-P)  DC\_66A\_n260(5A-Q)  DC\_66A\_n260(6A-O-P)  DC\_66A\_n260(6A-O)  DC\_66A\_n260(6A-P)  DC\_66A\_n260(7A-2O)  DC\_66A\_n260(7A-O)  DC\_66A\_n260(7A-P)  DC\_66A\_n260(8A-O)  DC\_66A\_n260(9A-O)  DC\_66A\_n260(A-2G-2O)  DC\_66A\_n260(A-2G-3O)  DC\_66A\_n260(A-2O-2P)  DC\_66A\_n260(A-2O-2Q)  DC\_66A\_n260(A-2O-P-Q)  DC\_66A\_n260(A-2O-P)  DC\_66A\_n260(A-2O-Q)  DC\_66A\_n260(A-2Q)  DC\_66A\_n260(A-3G-O)  DC\_66A\_n260(A-3G)  DC\_66A\_n260(A-3O-P)  DC\_66A\_n260(A-3O-Q)  DC\_66A\_n260(A-3P)  DC\_66A\_n260(A-4G)  DC\_66A\_n260(A-4P)  DC\_66A\_n260(A-D-G)  DC\_66A\_n260(A-E)  DC\_66A\_n260(A-G-2O)  DC\_66A\_n260(A-G-3O)  DC\_66A\_n260(A-G-4O)  DC\_66A\_n260(A-G-H)  DC\_66A\_n260(A-H-O)  DC\_66A\_n260(A-O-2P)  DC\_66A\_n260(A-O-2Q)  DC\_66A\_n260(A-O-3P)  DC\_66A\_n260(A-O-P-Q)  DC\_66A\_n260(A-O-Q)  DC\_66A\_n260(G-H-O)  DC\_66A\_n260(O-2P)  DC\_66A\_n260(O-2Q)  DC\_66A\_n260(O-3P)  DC\_66A\_n260(O-P-Q)  DC\_66A\_n260(O-Q) | DC\_66A\_n260A  DC\_66A\_n260G  DC\_66A\_n260H  DC\_66A\_n260I  DC\_66A\_n260O  DC\_66A\_n260P  DC\_66A\_n260Q |
| DC\_66A-66A\_n260A  DC\_66A-66A\_n260G  DC\_66A-66A\_n260H  DC\_66A-66A\_n260I  DC\_66A-66A\_n260J  DC\_66A-66A\_n260K  DC\_66A-66A\_n260L  DC\_66A-66A\_n260M | DC\_66A\_n260A  DC\_66A\_n260G  DC\_66A\_n260H  DC\_66A\_n260I  DC\_66A\_n260J  DC\_66A\_n260K  DC\_66A\_n260L  DC\_66A\_n260M |
| DC\_66A-66A\_n260(2A)  DC\_66A-66A\_n260(2G)  DC\_66A-66A\_n260(2H)  DC\_66A-66A\_n260(3A)  DC\_66A-66A\_n260(4A)  DC\_66A-66A\_n260(5A)  DC\_66A-66A\_n260(6A)  DC\_66A-66A\_n260(A-G)  DC\_66A-66A\_n260(A-H)  DC\_66A-66A\_n260(A-2G)  DC\_66A-66A\_n260(G-H)  DC\_66A-66A\_n260(2A-G)  DC\_66A-66A\_n260(2A-2G)  DC\_66A-66A\_n260(3A-G) | DC\_66A\_n260A  DC\_66A\_n260G  DC\_66A\_n260H |
| DC\_66A\_n261A  DC\_66A\_n261B  DC\_66A\_n261C  DC\_66A\_n261D  DC\_66A\_n261E  DC\_66A\_n261F  DC\_66A\_n261G  DC\_66A\_n261H  DC\_66A\_n261I  DC\_66A\_n261J  DC\_66A\_n261K  DC\_66A\_n261L  DC\_66A\_n261M  DC\_66A\_n261O  DC\_66A\_n261P  DC\_66A\_n261Q | DC\_66A\_n261A  DC\_66A\_n261B  DC\_66A\_n261C  DC\_66A\_n261G  DC\_66A\_n261H  DC\_66A\_n261I  DC\_66A\_n261J  DC\_66A\_n261K  DC\_66A\_n261L  DC\_66A\_n261M  DC\_66A\_n261O |
| DC\_66A\_n261(2A)  DC\_66A\_n261(3A)  DC\_66A\_n261(4A)  DC\_66A\_n261(2G)  DC\_66A\_n261(D-G)  DC\_66A\_n261(D-H)  DC\_66A\_n261(D-I)  DC\_66A\_n261(D-O)  DC\_66A\_n261(D-P)  DC\_66A\_n261(D-Q)  DC\_66A\_n261(E-O)  DC\_66A\_n261(E-P)  DC\_66A\_n261(E-Q)  DC\_66A\_n261(2H)  DC\_66A\_n261(2I)  DC\_66A\_n261(A-H)  DC\_66A\_n261(A-I)  DC\_66A\_n261(A-J)  DC\_66A\_n261(A-K)  DC\_66A\_n261(A-L)  DC\_66A\_n261(A-D)  DC\_66A\_n261(A-D-H)  DC\_66A\_n261(A-G)  DC\_66A\_n261(A-G-H)  DC\_66A\_n261(G-I)  DC\_66A\_n261(G-J)  DC\_66A\_n261(A-G-I)  DC\_66A\_n261(A-H-I)  DC\_66A\_n261(G-H)  DC\_66A\_n261(H-I)  DC\_66A\_n261(A-D-2O)  DC\_66A\_n261(A-2D)  DC\_66A\_n261(A-2G)  DC\_66A\_n261(A-2G-2O)  DC\_66A\_n261(A-3G-O)  DC\_66A\_n261(A-4G)  DC\_66A\_n261(A-2H)  DC\_66A\_n261(A-2I)  DC\_66A\_n261(A-4O)  DC\_66A\_n261(A-7O)  DC\_66A\_n261(A-2P)  DC\_66A\_n261(A-2Q)  DC\_66A\_n261(2A-G)  DC\_66A\_n261(2A-H)  DC\_66A\_n261(2A-I)  DC\_66A\_n261(3A-G)  DC\_66A\_n261(2A-2G-O)  DC\_66A\_n261(2A-2G)  DC\_66A\_n261(2A-2O)  DC\_66A\_n261(2A-3G)  DC\_66A\_n261(2A-3O)  DC\_66A\_n261(2A-4O)  DC\_66A\_n261(2A-5O)  DC\_66A\_n261(2A-6O)  DC\_66A\_n261(2A-D-O)  DC\_66A\_n261(2A-D)  DC\_66A\_n261(2A-G-2O)  DC\_66A\_n261(2A-G-O)  DC\_66A\_n261(2A-O)  DC\_66A\_n261(2A-P)  DC\_66A\_n261(2A-Q)  DC\_66A\_n261(2D)  DC\_66A\_n261(2G-2O)  DC\_66A\_n261(2G-O)  DC\_66A\_n261(2O)  DC\_66A\_n261(2P)  DC\_66A\_n261(2Q)  DC\_66A\_n261(3A-2G)  DC\_66A\_n261(3A-2O)  DC\_66A\_n261(3A-3O)  DC\_66A\_n261(3A-4O)  DC\_66A\_n261(3A-5O)  DC\_66A\_n261(3A-D)  DC\_66A\_n261(3A-G-O)  DC\_66A\_n261(3A-O)  DC\_66A\_n261(3G-O)  DC\_66A\_n261(3G)  DC\_66A\_n261(3O)  DC\_66A\_n261(4A-2O)  DC\_66A\_n261(4A-3O)  DC\_66A\_n261(4A-4O)  DC\_66A\_n261(4A-G)  DC\_66A\_n261(4A-O)  DC\_66A\_n261(4G)  DC\_66A\_n261(4O)  DC\_66A\_n261(5A-2O)  DC\_66A\_n261(5A-3O)  DC\_66A\_n261(5A-O)  DC\_66A\_n261(5A)  DC\_66A\_n261(5O)  DC\_66A\_n261(6A-2O)  DC\_66A\_n261(6A-O)  DC\_66A\_n261(6A)  DC\_66A\_n261(6O)  DC\_66A\_n261(7A-O)  DC\_66A\_n261(7A)  DC\_66A\_n261(7O)  DC\_66A\_n261(8A)  DC\_66A\_n261(A-2G-O)  DC\_66A\_n261(A-2O)  DC\_66A\_n261(A-3G)  DC\_66A\_n261(A-3O)  DC\_66A\_n261(A-5O)  DC\_66A\_n261(A-6O)  DC\_66A\_n261(A-D-G)  DC\_66A\_n261(A-D-O)  DC\_66A\_n261(A-E)  DC\_66A\_n261(A-G-2O)  DC\_66A\_n261(A-G-O)  DC\_66A\_n261(A-O-P)  DC\_66A\_n261(A-O-Q)  DC\_66A\_n261(A-O)  DC\_66A\_n261(A-P-Q)  DC\_66A\_n261(A-P)  DC\_66A\_n261(A-Q)  DC\_66A\_n261(D-2O)  DC\_66A\_n261(G-2O)  DC\_66A\_n261(G-O)  DC\_66A\_n261(O-P)  DC\_66A\_n261(O-Q)  DC\_66A\_n261(P-Q) | DC\_66A\_n261A  DC\_66A\_n261G  DC\_66A\_n261H  DC\_66A\_n261I |
| DC\_66A-66A\_n261A  DC\_66A-66A\_n261G  DC\_66A-66A\_n261H  DC\_66A-66A\_n261I  DC\_66A-66A\_n261J  DC\_66A-66A\_n261K  DC\_66A-66A\_n261L  DC\_66A-66A\_n261M | DC\_66A\_n261A  DC\_66A\_n261G  DC\_66A\_n261H  DC\_66A\_n261I  DC\_66A\_n261J  DC\_66A\_n261K  DC\_66A\_n261L  DC\_66A\_n261M |
| DC\_66A-66A\_n261(2A)  DC\_66A-66A\_n261(2G)  DC\_66A-66A\_n261(3A)  DC\_66A-66A\_n261(4A)  DC\_66A-66A\_n261(A-G)  DC\_66A-66A\_n261(A-G-H)  DC\_66A-66A\_n261(A-G-I)  DC\_66A-66A\_n261(A-2G)  DC\_66A-66A\_n261(A-H)  DC\_66A-66A\_n261(A-I)  DC\_66A-66A\_n261(A-J)  DC\_66A-66A\_n261(A-K)  DC\_66A-66A\_n261(A-L)  DC\_66A-66A\_n261(G-H)  DC\_66A-66A\_n261(G-I)  DC\_66A-66A\_n261(G-J)  DC\_66A-66A\_n261(H-I)  DC\_66A-66A\_n261(2H)  DC\_66A-66A\_n261(2A-G)  DC\_66A-66A\_n261(2A-H)  DC\_66A-66A\_n261(2A-I)  DC\_66A-66A\_n261(3A-G) | DC\_66A\_n261A  DC\_66A\_n261G  DC\_66A\_n261H  DC\_66A\_n261I |
| DC\_71A\_n257A  DC\_71A\_n257G  DC\_71A\_n257H  DC\_71A\_n257I  DC\_71A\_n257J  DC\_71A\_n257K  DC\_71A\_n257L  DC\_71A\_n257M | DC\_71A\_n257A  DC\_71A\_n257G  DC\_71A\_n257H  DC\_71A\_n257I  DC\_71A\_n257J  DC\_71A\_n257K  DC\_71A\_n257L  DC\_71A\_n257M |
| DC\_71A\_n258A  DC\_71A\_n258G  DC\_71A\_n258H  DC\_71A\_n258I  DC\_71A\_n258J  DC\_71A\_n258K  DC\_71A\_n258L  DC\_71A\_n258M | DC\_71A\_n258A  DC\_71A\_n258G  DC\_71A\_n258H  DC\_71A\_n258I  DC\_71A\_n258J  DC\_71A\_n258K  DC\_71A\_n258L  DC\_71A\_n258M |
| DC\_71A\_n260A  DC\_71A\_n260G  DC\_71A\_n260H  DC\_71A\_n260I  DC\_71A\_n260J  DC\_71A\_n260K  DC\_71A\_n260L  DC\_71A\_n260M  DC\_71A\_n260O  DC\_71A\_n260P  DC\_71A\_n260Q | DC\_71A\_n260A  DC\_71A\_n260G  DC\_71A\_n260H  DC\_71A\_n260I  DC\_71A\_n260J  DC\_71A\_n260K  DC\_71A\_n260L  DC\_71A\_n260M  DC\_71A\_n260O  DC\_71A\_n260P  DC\_71A\_n260Q |
| DC\_71A\_n261A  DC\_71A\_n261G  DC\_71A\_n261H  DC\_71A\_n261I  DC\_71A\_n261J  DC\_71A\_n261K  DC\_71A\_n261L  DC\_71A\_n261M  DC\_71A\_n261O  DC\_71A\_n261P  DC\_71A\_n261Q | DC\_71A\_n261A  DC\_71A\_n261G  DC\_71A\_n261H  DC\_71A\_n261I  DC\_71A\_n261J  DC\_71A\_n261K  DC\_71A\_n261L  DC\_71A\_n261M  DC\_71A\_n261O  DC\_71A\_n261P  DC\_71A\_n261Q |
| NOTE 1: Uplink EN-DC configurations are the configurations supported by the present release of specifications.  NOTE 2: Applicable for UE supporting inter-band EN-DC with mandatory simultaneous Rx/Tx capability for all of the above combinations.  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. | |

## << Next change >>

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

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

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

| EN-DC configuration | Power class 2  (dBm) | Tolerance  (dB) | Power class 3  (dBm) | Tolerance  (dB) |
| --- | --- | --- | --- | --- |
| DC\_1A\_n3A |  |  | 23 | +2/-3 |
| DC\_1A\_n5A |  |  | 23 | +2/-3 |
| DC\_1A\_n7A |  |  | 23 | +2/-3 |
| DC\_1A\_n8A |  |  | 23 | +2/-3 |
| DC\_1A\_n20A |  |  | 23 | +2/-3 |
| DC\_1A\_n26A |  |  | 23 | +2/-3 |
| DC\_1A\_n28A |  |  | 23 | +2/-3 |
| DC\_1A\_n38A |  |  | 23 | +2/-3 |
| DC\_1A\_n40A |  |  | 23 | +2/-3 |
| DC\_1A\_n41A | 266 | +2/-3 | 23 | +2/-3 |
| DC\_1A\_n50A |  |  | 23 | +2/-3 |
| DC\_1A\_n51A |  |  | 23 | +2/-3 |
| DC\_1A\_n71A |  |  | 23 | +2/-3 |
| DC\_1A\_n77A  DC\_1A\_n84A\_ULSUP-TDM\_n77A | 266 | +2/-3 | 23 | +2/-3 |
| DC\_1A\_n78A  DC\_1A\_n84A\_ULSUP-TDM\_n78A | 266 | +2/-3 | 23 | +2/-3 |
| DC\_1A\_n79A | 266 | +2/-3 | 23 | +2/-3 |
| DC\_1A\_n84A\_ULSUP-TDM\_n79A |  |  | 23 | +2/-3 |
| DC\_1A\_n80A |  |  | 23 | +2/-3 |
| DC\_1A\_n105A |  |  | 23 | +2/-3 |
| DC\_2A\_n5A |  |  | 23 | +2/-3 |
| DC\_2A\_n7A |  |  | 23 | +2/-3 |
| DC\_2A\_n12A |  |  | 23 | +2/-3 |
| DC\_2A\_n25A |  |  | N/A | N/A |
| DC\_2A\_n28A |  |  | 23 | +2/-3 |
| DC\_2A\_n30A |  |  | 23 | +2/-3 |
| DC\_2A\_n38A |  |  | 23 | +2/-3 |
| DC\_2A\_n41A | 266 | +2/-3 | 23 | +2/-3 |
| DC\_2A\_n46A |  |  | 23 | +2/-3 |
| DC\_2A\_n48A |  |  | 23 | +2/-3 |
| DC\_2A\_n66A |  |  | 23 | +2/-3 |
| DC\_2A\_n71A |  |  | 23 | +2/-3 |
| DC\_2A\_n77A | 266 | +2/-3 | 23 | +2/-3 |
| DC\_2A\_n78A | 266 | +2/-3 | 23 | +2/-3 |
| DC\_3A\_n1A  DC\_3C\_n1A |  |  | 23 | +2/-3 |
| DC\_3A\_n5A  DC\_3C\_n5A |  |  | 23 | +2/-3 |
| DC\_3A\_n7A  DC\_3A\_n7B  DC\_3C\_n7A |  |  | 23 | +2/-3 |
| DC\_3A\_n8A |  |  | 23 | +2/-3 |
| DC\_3A\_n20A |  |  | 23 | +2/-3 |
| DC\_3A\_n26A  DC\_3C\_n26A |  |  | 23 | +2/-3 |
| DC\_3A\_n28A  DC\_3C\_n28A |  |  | 23 | +2/-3 |
| DC\_3A\_n38A |  |  | 23 | +2/-3 |
| DC\_3A\_n40A |  |  | 23 | +2/-3 |
| DC\_3A\_n41A,  DC\_3C\_n41A,  DC\_3C\_n41A, | 266 | +2/-3 | 23 | +2/-3 |
| DC\_3A\_n50A |  |  | 23 | +2/-3 |
| DC\_3A\_n51A |  |  | 23 | +2/-3 |
| DC\_3A\_n71A |  |  | 23 | +2/-3 |
| DC\_3A\_n77A  DC\_3C\_n77A | 266 | +2/-3 | 23 | +2/-3 |
| DC\_3A\_n78A  DC\_3C\_n78A | 266 | +2/-3 | 23 | +2/-3 |
| DC\_3A\_n79A  DC\_3C\_n79A | 266 | +2/-3 | 23 | +2/-3 |
| DC\_3A\_n80A\_ULSUP-TDM\_n41  DC\_3C\_n80A\_ULSUP-TDM\_n41 |  |  | 23 | +2/-3 |
| DC\_3A\_n80A\_ULSUP-TDM\_n77A |  |  | 23 | +2/-3 |
| DC\_3A\_n80A\_ULSUP-TDM\_n78A |  |  | 23 | +2/-3 |
| DC\_3A\_n80A\_ULSUP-TDM\_n79A |  |  | 23 | +2/-3 |
| DC\_3A\_n82A |  |  | 23 | +2/-3 |
| DC\_3A\_n84A |  |  | 23 | +2/-3 |
| DC\_7A\_n80A | DC\_7A\_n80A | DC\_7A\_n80A | DC\_7A\_n80A | DC\_7A\_n80A |
| DC\_4A\_n2A |  |  | 23 | +2/-3 |
| DC\_4A\_n5A |  |  | 23 | +2/-3 |
| DC\_4A\_n7A |  |  | 23 | +2/-3 |
| DC\_4A\_n28A |  |  | 23 | +2/-3 |
| DC\_4A\_n38A |  |  | 23 | +2/-3 |
| DC\_4A\_n41A |  |  | 23 | +2/-3 |
| DC\_4A\_n78A |  |  | 23 | +2/-3 |
| DC\_5A\_n2A |  |  | 23 | +2/-3 |
| DC\_5A\_n7A |  |  | 23 | +2/-3 |
| DC\_5A\_n12A |  |  | 23 | +2/-3 |
| DC\_5A\_n25A |  |  | 23 | +2/-3 |
| DC\_5A\_n28A |  |  | 23 | +2/-3 |
| DC\_5A\_n30A |  |  | 23 | +2/-3 |
| DC\_5A\_n38A |  |  | 23 | +2/-3 |
| DC\_5A\_n40A |  |  | 23 | +2/-3 |
| DC\_5A\_n41A |  |  | 23 | +2/-3 |
| DC\_5A\_n48A |  |  | 23 | +2/-3 |
| DC\_5A\_n66A |  |  | 23 | +2/-3 |
| DC\_5A\_n71A |  |  | 23 | +2/-3 |
| DC\_5A\_n77A | 266 | +2/-3 | 23 | +2/-3 |
| DC\_5A\_n78A | 266 | +2/-3 | 23 | +2/-3 |
| DC\_5A\_n79A |  |  | 23 | +2/-3 |
| DC\_7A\_n1A |  |  | 23 | +2/-3 |
| DC\_7A\_n2A |  |  | 23 | +2/-3 |
| DC\_7A\_n3A |  |  | 23 | +2/-3 |
| DC\_7A\_n5A  DC\_7C\_n5A |  |  | 23 | +2/-3 |
| DC\_7A\_n8A |  |  | 23 | +2/-3 |
| DC\_7A\_n12A |  |  | 23 | +2/-3 |
| DC\_7A\_n20A |  |  | 23 | +2/-3 |
| DC\_7A\_n25A |  |  | 23 | +2/-3 |
| DC\_7A\_n26A  DC\_7C\_n26A |  |  | 23 | +2/-3 |
| DC\_7A\_n28A |  |  | 23 | +2/-3 |
| DC\_7A\_n40A |  |  | 23 | +2/-3 |
| DC\_7A\_n51A |  |  | 23 | +2/-3 |
| DC\_7A\_n66A |  |  | 23 | +2/-3 |
| DC\_7A\_n71A |  |  | 23 | +2/-3 |
| DC\_7A\_n77A |  |  | 23 | +2/-3 |
| DC\_7A\_n78A  DC\_7C\_n78A | 266 | +2/-3 | 23 | +2/-3 |
| DC\_7A\_n79A |  |  | 23 | +2/-3 |
| DC\_7A\_n105A |  |  | 23 | +2/-3 |
| DC\_7A\_n80A |  |  | 23 | +2/-3 |
| DC\_8A\_n1A |  |  | 23 | +2/-3 |
| DC\_8B\_n1A |  |  | 23 | +2/-3 |
| DC\_8A\_n2A |  |  | 23 | +2/-3 |
| DC\_8A\_n3A |  |  | 23 | +2/-3 |
| DC\_8A\_n7A |  |  | 23 | +2/-3 |
| DC\_8A\_n20A |  |  | 23 | +2/-3 |
| DC\_8A\_n28A |  |  | 23 | +2/-3 |
| DC\_8A\_n34A |  |  | 23 | +2/-3 |
| DC\_8A\_n38A |  |  | 23 | +2/-3 |
| DC\_8A\_n39A |  |  | 23 | +2/-3 |
| DC\_8A\_n40A |  |  | 23 | +2/-3 |
| DC\_8A\_n41A, |  |  | 23 | +2/-3 |
| DC\_8A\_n77A | 266 | +2/-3 | 23 | +2/-3 |
| DC\_8A\_n78A | 266 | +2/-3 | 23 | +2/-3 |
| DC\_8B\_n78A |  |  | 23 | +2/-3 |
| DC\_8A\_n79A  DC\_8A\_n79C |  |  | 23 | +2/-3 |
| DC\_8A\_n80A |  |  | 23 | +2/-3 |
| DC\_8A\_n81A\_ULSUP-TDM\_n41 |  |  | 23 | +2/-3 |
| DC\_8A\_n81A\_ULSUP-TDM\_n78A |  |  | 23 | +2/-3 |
| DC\_8A\_n81A\_ULSUP-TDM\_n79A |  |  | 23 | +2/-3 |
| DC\_11A\_n1A |  |  | 23 | +2/-3 |
| DC\_11A\_n3A |  |  | 23 | +2/-3 |
| DC\_11A\_n28A |  |  | 23 | +2/-3 |
| DC\_11A\_n41A |  |  | 23 | +2/-3 |
| DC\_11A\_n77A |  |  | 23 | +2/-3 |
| DC\_11A\_n78A |  |  | 23 | +2/-3 |
| DC\_11A\_n79A |  |  | 23 | +2/-3 |
| DC\_12A\_n2A |  |  | 23 | +2/-3 |
| DC\_12A\_n5A |  |  | 23 | +2/-3 |
| DC\_12A\_n7A |  |  | 23 | +2/-3 |
| DC\_12A\_n25A |  |  | 23 | +2/-3 |
| DC\_12A\_n30A |  |  | 23 | +2/-3 |
| DC\_12A\_n38A |  |  | 23 | +2/-3 |
| DC\_12A\_n41A |  |  | 23 | +2/-3 |
| DC\_12A\_n66A |  |  | 23 | +2/-3 |
| DC\_12A\_n71A7 |  |  | 23 | +2/-3 |
| DC\_12A\_n77A | 266 | +2/-3 | 23 | +2/-3 |
| DC\_12A\_n78A |  |  | 23 | +2/-3 |
| DC\_13A\_n2A |  |  | 23 | +2/-3 |
| DC\_13A\_n5A |  |  | 23 | +2/-3 |
| DC\_13A\_n7A |  |  | 23 | +2/-3 |
| DC\_13A\_n25A |  |  | 23 | +2/-3 |
| DC\_13A\_n48A |  |  | 23 | +2/-3 |
| DC\_13A\_n66A |  |  | 23 | +2/-3 |
| DC\_13A\_n71A |  |  | 23 | +2/-3 |
| DC\_13A\_n77A | 266 | +2/-3 | 23 | +2/-3 |
| DC\_13A\_n78A | 266 | +2/-3 | 23 | +2/-3 |
| DC\_14A\_n2A |  |  | 23 | +2/-3 |
| DC\_14A\_n5A |  |  | 23 | +2/-3 |
| DC\_14A\_n30A |  |  | 23 | +2/-3 |
| DC\_14A\_n41A |  |  | 23 | +2/-3 |
| DC\_14A\_n66A |  |  | 23 | +2/-3 |
| DC\_14A\_n77A | 266 | +2/-3 | 23 | +2/-3 |
| DC\_18A\_n3A |  |  | 23 | +2/-3 |
| DC\_18A\_n28A |  |  | 23 | +2/-3 |
| DC\_18A\_n41A | 266 | +2/-3 | 23 | +2/-3 |
| DC\_18A\_n77A | 266 | +2/-3 | 23 | +2/-3 |
| DC\_18A\_n78A |  |  | 23 | +2/-3 |
| DC\_18A\_n79A |  |  | 23 | +2/-3 |
| DC\_19A\_n1A |  |  | 23 | +2/-3 |
| DC\_19A\_n77A | 266 | +2/-3 | 23 | +2/-3 |
| DC\_19A\_n78A | 266 | +2/-3 | 23 | +2/-3 |
| DC\_19A\_n79A | 266 | +2/-3 | 23 | +2/-3 |
| DC\_20A\_n1A |  |  | 23 | +2/-3 |
| DC\_20A\_n3A |  |  | 23 | +2/-3 |
| DC\_20A\_n7A |  |  | 23 | +2/-3 |
| DC\_20A\_n8A |  |  | 23 | +2/-3 |
| DC\_20A\_n38A |  |  | 23 | +2/-3 |
| DC\_20A\_n28A |  |  | 23 | +2/-3 |
| DC\_20A\_n40A |  |  | 23 | +2/-3 |
| DC\_20A\_n41A |  |  | 23 | +2/-3 |
| DC\_20A\_n50A |  |  | 23 | +2/-3 |
| DC\_20A\_n51A |  |  | 23 | +2/-3 |
| DC\_20A\_n77A |  |  | 23 | +2/-3 |
| DC\_20A\_n80A |  |  | 23 | +2/-3 |
| DC\_20A\_n78A |  |  | 23 | +2/-3 |
| DC\_20A\_n82A\_ULSUP-TDM\_n78A |  |  | 23 | +2/-3 |
| DC\_20A\_n83A |  |  | 23 | +2/-3 |
| DC\_21A\_n1A |  |  | 23 | +2/-3 |
| DC\_21A\_n28A |  |  | 23 | +2/-3 |
| DC\_21A\_n77A | 266 | +2/-3 | 23 | +2/-3 |
| DC\_21A\_n78A | 266 | +2/-3 | 23 | +2/-3 |
| DC\_21A\_n79A | 266 | +2/-3 | 23 | +2/-3 |
| DC\_25A\_n41A |  |  | 23 | +2/-3 |
| DC\_25A\_n77A |  |  | 23 | +2/-3 |
| DC\_25A\_n78A |  |  | 23 | +2/-3 |
| DC\_26A\_n25A |  |  | 23 | +2/-3 |
| DC\_26A\_n41A |  |  | 23 | +2/-3 |
| DC\_26A\_n77A |  |  | 23 | +2/-3 |
| DC\_26A\_n78A |  |  | 23 | +2/-3 |
| DC\_26A\_n79A |  |  | 23 | +2/-3 |
| DC\_28A\_n1A |  |  | 23 | +2/-3 |
| DC\_28A\_n2A |  |  | 23 | +2/-3 |
| DC\_28A\_n3A |  |  | 23 | +2/-3 |
| DC\_28A\_n5A |  |  | 23 | +2/-3 |
| DC\_28A\_n7A  DC\_28A\_n7B |  |  | 23 | +2/-3 |
| DC\_28A\_n8A |  |  | 23 | +2/-3 |
| DC\_28A\_n20A |  |  | 23 | +2/-3 |
| DC\_28A\_n38A |  |  | 23 | +2/-3 |
| DC\_28A\_n40A |  |  | 23 | +2/-3 |
| DC\_28A\_n41A | 266 | +2/-3 | 23 | +2/-3 |
| DC\_28A\_n50A |  |  | 23 | +2/-3 |
| DC\_28A\_n51A |  |  | 23 | +2/-3 |
| DC\_28A\_n66A |  |  | 23 | +2/-3 |
| DC\_28A\_n77A | 266 | +2/-3 | 23 | +2/-3 |
| DC\_28A\_n78A | 266 | +2/-3 | 23 | +2/-3 |
| DC\_28A\_n79A |  |  | 23 | +2/-3 |
| DC\_28A\_n83A\_ULSUP-TDM\_n41A |  |  | 23 | +2/-3 |
| DC\_28A\_n83A\_ULSUP-TDM\_n78A |  |  | 23 | +2/-3 |
| DC\_30A\_n2A |  |  | 23 | +2/-3 |
| DC\_30A\_n5A |  |  | 23 | +2/-3 |
| DC\_30A\_n66A |  |  | 23 | +2/-3 |
| DC\_30A\_n77A | 266 | +2/-3 | 23 | +2/-3 |
| DC\_38A\_n1A |  |  | 23 | +2/-3 |
| DC\_38A\_n3A |  |  | 23 | +2/-3 |
| DC\_38A\_n8A |  |  | 23 | +2/-3 |
| DC\_38A\_n28A |  |  | 23 | +2/-3 |
| DC\_38A\_n78A |  |  | N/A | N/A |
| DC\_38A\_n79A |  |  | 23 | +2/-3 |
| DC\_39A\_n40A |  |  | 23 | +2/-3 |
| DC\_39A\_n41A  DC\_39C\_n41A | 265 | +2/-3 | 23 | +2/-3 |
| DC\_39A\_n78A |  |  | 23 | +2/-3 |
| DC\_39A\_n79A | 265 | +2/-3 | 23 | +2/-3 |
| DC\_40A\_n1A |  |  | 23 | +2/-3 |
| DC\_40A\_n3A |  |  | 23 | +2/-3 |
| DC\_40A\_n7A |  |  | 23 | +2/-3 |
| DC\_40A\_n41A  DC\_40C\_n41A |  |  | 23 | +2/-3 |
| DC\_40A\_n77A |  |  | N/A | N/A |
| DC\_40A\_n78A |  |  | 23 | +2/-3 |
| DC\_40C\_n78A |  |  | 23 | +2/-3 |
| DC\_40A\_n79A |  |  | 23 | +2/-3 |
| DC\_41A\_n1A  DC\_41C\_n1A |  |  | 23 | +2/-3 |
| DC\_41A\_n3A  DC\_41C\_n3A |  |  | 23 | +2/-3 |
| DC\_41A\_n28A  DC\_41C\_n28A |  |  | 23 | +2/-3 |
| DC\_41A\_n77A  DC\_41C\_n77A | 266 | +2/-3 | 23 | +2/-3 |
| DC\_41A\_n78A  DC\_41C\_n78A |  |  | 23 | +2/-3 |
| DC\_41A\_n79A  DC\_41C\_n79A | 266 | +2/-3 | 23 | +2/-3 |
| DC\_42A\_n1A  DC\_42C\_n1A |  |  | 23 | +2/-3 |
| DC\_42A\_n3A  DC\_42C\_n3A |  |  | 23 | +2/-3 |
| DC\_42A\_n28A  DC\_42C\_n28A |  |  | 23 | +2/-3 |
| DC\_42A\_n51A |  |  | 23 | +2/-3 |
| DC\_42A\_n77A |  |  | N/A | N/A |
| DC\_42A\_n78A |  |  | N/A | N/A |
| DC\_42A\_n79A |  |  | N/A | N/A |
| DC\_48A\_n2A |  |  | 23 | +2/-3 |
| DC\_48A\_n5A |  |  | 23 | +2/-3 |
| DC\_48A\_n12A |  |  | 23 | +2/-3 |
| DC\_48A\_n25A |  |  | 23 | +2/-3 |
| DC\_2A\_n46A |  |  | 23 | +2/-3 |
| DC\_48A\_n66A |  |  | 23 | +2/-3 |
| DC\_48A\_n71A |  |  | 23 | +2/-3 |
| DC\_66A\_n2A |  |  | 23 | +2/-3 |
| DC\_66A\_n5A |  |  | 23 | +2/-3 |
| DC\_66A\_n7A |  |  | 23 | +2/-3 |
| DC\_66A\_n12A |  |  | 23 | +2/-3 |
| DC\_66A\_n25A |  |  | 23 | +2/-3 |
| DC\_66A\_n28A |  |  | 23 | +2/-3 |
| DC\_66A\_n30A |  |  | 23 | +2/-3 |
| DC\_66A\_n38A |  |  | 23 | +2/-3 |
| DC\_66A\_n41A | 266 | +2/-3 | 23 | +2/-3 |
| DC\_66A\_n46A |  |  | 23 | +2/-3 |
| DC\_66A\_n48A |  |  | 23 | +2/-3 |
| DC\_66A\_n71A |  |  | 23 | +2/-3 |
| DC\_66A\_n77A | 266 | +2/-3 | 23 | +2/-3 |
| DC\_66A\_n78A  DC\_66A-66A\_n78A | 266 | +2/-3 | 23 | +2/-3 |
| DC\_66A\_n86A\_ULSUP-TDM\_n78A |  |  | 23 | +2/-3 |
| DC\_71A\_n2A |  |  | 23 | +2/-3 |
| DC\_71A\_n5A |  |  | 23 | +2/-3 |
| DC\_71A\_n7A |  |  | 23 | +2/-3 |
| DC\_71A\_n12A7 |  |  | 23 | +2/-3 |
| DC\_71A\_n25A |  |  | 23 | +2/-3 |
| DC\_71A\_n38A |  |  | 23 | +2/-3 |
| DC\_71A\_n41A |  |  | 23 | +2/-3 |
| DC\_71A\_n48A |  |  | 23 | +2/-3 |
| DC\_71A\_n66A |  |  | 23 | +2/-3 |
| DC\_71A\_n78A | 266 | +2/-3 | 23 | +2/-3 |
| NOTE 1: An uplink DC configuration in which at least one of the bands has NOTE 3 in Table 6.2.1-1 in TS 38.101-1 or NOTE 2 in Table 6.2.2-1 in TS 36.101 is allowed to reduce the lower tolerance limit by 1.5 dB when the transmission bandwidths of at least one of the bands is confined within FUL\_low and FUL\_low + 4 MHz or FUL\_high - 4 MHz and FUL\_high.  NOTE 2: PPowerClass, EN-DC is the maximum UE power specified without taking into account the tolerance  NOTE 3: For inter-band EN-DC the maximum power requirement should apply to the total transmitted power over all component carriers (per UE).  NOTE 4: Power Class 3 is the default power class unless otherwise stated.  NOTE 5: The UE is not required to support PC2 within each individual cell group. Power class support within each individual cell group is signaled separately by the UE.  NOTE 6: The UE supports PC3 within E-UTRA cell group, and supports either PC3 or PC2 within NR cell group. Power class support within each individual cell group is signaled separately by the UE.  NOTE 7: Only single switched UL is supported.  NOTE 8: The UE that supports a PC2 uplink EN-DC configuration with single carrier for each individual band and a composite of supporting PC3 within a TDD or FDD band and  PC2 within a second TDD band may signal a *higherPowerLimit-r17* capability whereby the maximum output power indicated in the table may be exceeded in accordance with sub-clause 6.2B.4.1.3.  NOTE 9: The UE that supports a PC3 uplink EN-DC configuration with a composite of supporting PC3 within a TDD or FDD band and PC5 within a second band may signal a *higherPowerLimit-r17* capability whereby the maximum output power indicated in the table may be exceeded in accordance with sub-clause 6.2B.4.1.3. | | | | |

If a UE supports a different power class than the default UE power class for an E-UTRA TDD and NR TDD Inter-band EN-DC band combination and the supported power class enables higher maximum output power than that of the default power class:

– if the field of UE capability *maxUplinkDutyCycle-interBandENDC-TDD-PC2-r16* is absent and the percentage of NR uplink symbols transmitted in a certain evaluation period is larger than 30% (The exact evaluation period is no less than one radio frame); or

– if the field of UE capability *maxUplinkDutyCycle-interBandENDC-TDD-PC2-r16* is not absent and the percentage of NR uplink symbols transmitted in a certain evaluation period is larger than *maxUplinkDutyCycle-interBandENDC-TDD-PC2-r16* as defined in TS38.331 (The exact evaluation period is no less than one radio frame); or

– if the IE *p-maxUE-FR1* as defined in TS 38.331 is provided and set to the maximum output power of the default power class or lower;

– shall apply all requirements for the default power class to the supported power class and set the configured transmitted power as specified sub-clause 6.2B.4;

– Else if the IE *p-maxUE-FR1* as defined in TS 38.331 is not provided or set to the higher value than the maximum output power of the default power class and the percentage of NR uplink symbols transmitted in a certain evaluation period is less than or equal t*o maxUplinkDutyCycle-interBandENDC-TDD-PC2-r16* as defined in TS 38.331; or

– if the IE *p-maxUE-FR1* as defined in TS 38.331 is not provided or set to the higher value than the maximum output power of the default power class and the percentage of NR uplink symbols transmitted in a certain evaluation period is less than or equal to 30% when *maxUplinkDutyCycle-interBandENDC-TDD-PC2-r16* is absent. (The exact evaluation period is no less than one radio frame):

– shall apply all requirements for the supported power class and set the configured transmitted power class as specified in sub-clause 6.2B.4.

If a UE supports a different power class than the default UE power class for an E-UTRA FDD and NR TDD EN-DC band combination and the supported power class enables higher maximum output power than that of the default power class:

If UE indicating the two capabilities *maxUplinkDutyCycle-FDD-TDD-EN-DC1* and *maxUplinkDutyCycle-FDD-TDD-EN-DC2*:

– if the IE *p-maxUE-FR1* as defined in TS 38.331 is not provided or set to the higher value than the maximum output power of the default power class, and the percentage of EUTRA uplink symbols transmitted in a certain evaluation period is between 40% and 70%, and the percentage of NR uplink symbols transmitted in a certain evaluation period is less than or equal t*omaxUplinkDutyCycle-FDD-TDD-EN-DC1*as defined in TS 38.331 (The exact evaluation period is no less than one radio frame); or

– if the IE *p-maxUE-FR1* as defined in TS 38.331 is not provided or set to the higher value than the maximum output power of the default power class, and the percentage of EUTRA uplink symbols transmitted in a certain evaluation period is no larger than 40%, and the percentage of NR uplink symbols transmitted in a certain evaluation period is less than or equal t*o maxUplinkDutyCycle-FDD-TDD-EN-DC2* as defined in TS 38.331 (The exact evaluation period is no less than one radio frame)

– shall apply all requirements for the supported power class and set the configured transmitted power class as specified in sub-clause 6.2B.4.

– else

– shall apply all requirements for the default power class and set the configured transmitted power as specified sub-clause 6.2B.4;

else

– shall apply all requirements for the supported power class and set the configured transmitted power as specified sub-clause 6.2B.4;

## << End of changes >>