**3GPP TSG-RAN WG4 Meeting #98-e R4-2101888**

**Electronic Meeting, 25 January – 5 February 2021**

|  |  |  |  |  |  |  |  |  |
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| *CR-Form-v12.1* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **38.101-3** | **CR** | **0471** | **rev** |  | **Current version:** | **17.0.0** |  |
|  | | | | | | | | |
| *For* [***HE******LP***](http://www.3gpp.org/3G_Specs/CRs.htm#_blank)*on using this form: comprehensive instructions can be found at* [*http://www.3gpp.org/Change-Requests*](http://www.3gpp.org/Change-Requests)*.* | | | | | | | | |
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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ***Proposed change affects:*** | UICC apps |  | ME | **X** | Radio Access Network |  | Core Network |  |

|  |  |  |  |  |  |  |  |  |  |  |
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|  | | | | | | | | | | |
| ***Title:*** | CR to add 3 LTE bands and 1 NR band DC combinations | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | Ericsson | | | | | | | | | |
| ***Source to TSG:*** | R4 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | DC\_R17\_3BLTE\_1BNR\_4DL2UL | | | | |  | ***Date:*** | | | 2021-02-22 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | B |  | | | | | ***Release:*** | | | Rel-17 |
|  | *Use one of the following categories:* ***F*** *(correction)* ***A*** *(mirror corresponding to a change in an earlier release)* ***B*** *(addition of feature),* ***C*** *(functional modification of feature)* ***D*** *(editorial modification)*  Detailed explanations of the above categories can be found in 3GPP [TR 21.900](http://www.3gpp.org/ftp/Specs/html-info/21900.htm). | | | | | | | | *Use one of the following releases: Rel-8 (Release 8) Rel-9 (Release 9) Rel-10 (Release 10) Rel-11 (Release 11) … Rel-15 (Release 15) Rel-16 (Release 16) Rel-17 (Release 17) Rel-18 (Release 18)* | |
|  |  | | | | | | | | | |
| ***Reason for change:*** | | Adding approved 3 LTE bands + 1 NR band DC combinations at RAN4 98-e | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | Adding the following new combinations from RAN4 98-e:  DC\_1-3-42\_n28 DC\_1-7-28\_n3 DC\_1-8-42\_n3 DC\_1-20-40\_n78  DC\_2-5-7\_n2  DC\_2-2-5-7\_n66 DC\_2-7-12\_n2 DC\_2-7-12\_n66 DC\_2-7-12\_n78  DC\_2-7-66\_n2  DC\_2-7-71\_n2 DC\_2-7-71\_n66 DC\_2-7-71\_n78 DC\_2-12-66\_n41 DC\_2-12-66\_n78 DC\_2-29-66\_n78 DC\_2-66-71\_n2 DC\_2-66-71\_n41 DC\_3-20-40\_n78  DC\_5-7-66\_n2 DC\_7-8-32\_n1 DC\_7-12-66\_n2 DC\_7-12-66\_n78  DC\_7-66-71\_n2 DC\_7-66-71\_n78  Adding new configurations from RAN4 98-e for:  DC\_1-3-8\_n78  DC\_1-3-11\_n257  DC\_1-3-40\_n78 DC\_1-7-8\_n78  DC\_1-7-40\_n78 DC\_1-8-40\_n78  DC\_2-7-13\_n66  DC\_2-7-66\_n66  DC\_2-7-66\_n71  DC\_2-7-66\_n78  DC\_3-7-8\_n78  DC\_3-7-40\_n78  DC\_3-8-11\_n257  DC\_3-8-40\_n78  DC\_7-8-40\_n78  DC\_7-13-66\_n66  DC\_7-25-66\_n77 DC\_7-25-66\_n78 | | | | | | | | |
|  | |  | | | | | | | | |
| ***Consequences if not approved:*** | | Approved 3 LTE bands and 1 NR band DC combinations are not added | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 5.5B, 6.2B, 7.3B | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **Y** | **N** |  | | | |  | | |
| ***Other specs*** | |  | **X** | Other core specifications | | | | TS/TR ... CR ... | | |
| ***affected:*** | | **X** |  | Test specifications | | | | TS 38.521-3 | | |
| ***(show related CRs)*** | |  | **X** | O&M Specifications | | | | TS/TR ... CR ... | | |
|  | |  | | | | | | | | |
| ***Other comments:*** | |  | | | | | | | | |
|  | |  | | | | | | | | |
| ***This CR's revision history:*** | |  | | | | | | | | |

---Start of changes---

Table 5.5B.4.3-1: Inter-band EN-DC configurations within FR1 (four bands)

| EN-DC  configuration | Uplink EN-DC  configuration  (NOTE 1) |
| --- | --- |
| DC\_1A-3A\_n3A-n41A | DC\_1A\_n3A  DC\_1A\_n41A  DC\_3A\_n3A4  DC\_3A\_n41A |
| DC\_1A-3A\_n3A-n77A | DC\_1A\_n3A  DC\_1A\_n77A  DC\_3A\_n3A1  DC\_3A\_n77A |
| DC\_1A-3A\_n3A-n78A | DC\_1A\_n3A  DC\_1A\_n78A  DC\_3A\_n3A1  DC\_3A\_n78A |
| DC\_1A-3A-5A\_n78A2  DC\_1A-3A-5A\_n78C2  DC\_1A-3C-5A\_n78A  DC\_1A-1A-3A-5A\_n78A  DC\_1A-1A-3C-5A\_n78A | DC\_1A\_n78A  DC\_3A\_n78A  DC\_5A\_n78A |
| DC\_1A-3A\_n5A-n78A  DC\_1A-3C\_n5A-n78A | DC\_1A\_n5A  DC\_1A\_n78A  DC\_3A\_n5A  DC\_3A\_n78A  DC\_3C\_n5A  DC\_3C\_n78A |
| DC\_1A-3A-5A\_n79A | DC\_1A\_n79A  DC\_3A\_n79A  DC\_5A\_n79A |
| DC\_1A-3A-7A\_n5A  DC\_1A-3A-7C\_n5A  DC\_1A-3C-7A\_n5A  DC\_1A-3C-7C\_n5A | DC\_1A\_n5A  DC\_3A\_n5A  DC\_3C\_n5A  DC\_7A\_n5A  DC\_7C\_n5A |
| DC\_1A-3A-7A\_n7A  DC\_1A-3C-7A\_n7A | DC\_1A\_n7A  DC\_3A\_n7A  DC\_7A\_n7A4 |
| DC\_1A-1A-3A-7A\_n7A  DC\_1A-1A-3C-7A\_n7A  DC\_1A-3A-3A-7A\_n7A | DC\_1A\_n7A  DC\_3A\_n7A  DC\_3C\_n7A  DC\_7A\_n7A4 |
| DC\_1A-3A-7A\_n8A | DC\_1A\_n8A  DC\_3A\_n8A  DC\_7A\_n8A |
| DC\_1A-3A-7A\_n28A  DC\_1A-3A-7C\_n28A  DC\_1A-3C-7A\_n28A  DC\_1A-3C-7C\_n28A  DC\_1A-1A-3C-7A\_n28A | DC\_1A\_n28A  DC\_3A\_n28A  DC\_3C\_n28A  DC\_7A\_n28A  DC\_7C\_n28A |
| DC\_1A-3A-7A\_n40A | DC\_1A\_n40A  DC\_3A\_n40A  DC\_7A\_n40A |
| DC\_1A-3A-7A\_n78A2  DC\_1A-3A-7C\_n78A  DC\_1A-3C-7A\_n78A2  DC\_1A-3C-7C\_n78A  DC\_1A-3A-7A\_n78C2 | DC\_1A\_n78A  DC\_3A\_n78A  DC\_3C\_n78A  DC\_7A\_n78A  DC\_7C\_n78A |
| DC\_1A-3A-7A\_n78(2A)  DC\_1A-3C-7A\_n78(2A)  DC\_1A-3A-7C\_n78(2A)  DC\_1A-3C-7C\_n78(2A)  DC\_1A-1A-3A-7A\_n78A | DC\_1A\_n78A  DC\_3A\_n78A  DC\_3C\_n78A  DC\_7A\_n78A  DC\_7C\_n78A |
| DC\_1A-3A\_n7A-n78A  DC\_1A-3A\_n7B-n78A | DC\_1A\_n7A  DC\_1A\_n78A  DC\_3A\_n7A  DC\_3A\_n78A |
| DC\_1A-3A\_n7A-n78(2A)  DC\_1A-3C\_n7A-n78(2A) | DC\_1A\_n7A  DC\_1A\_n78A  DC\_3A\_n7A  DC\_3A\_n78A |
| DC\_1A-3C\_n7A-n78A | DC\_1A\_n7A  DC\_1A\_n78A  DC\_3A\_n7A  DC\_3A\_n78A  DC\_3C\_n7A |
| DC\_1A-3A-7A-7A\_n78A2  DC\_1A-1A-3C-7A\_n78A  DC\_1A-3A-7A-7A\_n78C2 | DC\_1A\_n78A  DC\_3A\_n78A  DC\_7A\_n78A |
| DC\_1A-3A-8A\_n28A | DC\_1A\_n28A  DC\_3A\_n28A  DC\_8A\_n28A |
| DC\_1A-3A-8A\_n77A  DC\_1A-3C-8A\_n77A | DC\_1A\_n77A  DC\_3A\_n77A  DC\_3C\_n77A  DC\_8A\_n77A |
| DC\_1A-3A-8A\_n77(2A)  DC\_1A-3C-8A\_n77(2A) | DC\_1A\_n77A  DC\_3A\_n77A  DC\_3C\_n77A  DC\_8A\_n77A |
| DC\_1A\_n3A-n28A-n77A | DC\_1A\_n3A  DC\_1A\_n28A  DC\_1A\_n77A |
| DC\_1A\_n3A-n28A-n77(2A) | DC\_1A\_n3A  DC\_1A\_n28A  DC\_1A\_n77A |
| DC\_1A-3A-8A\_n78A2  DC\_1A-3C-8A\_n78A | DC\_1A\_n78A  DC\_3A\_n78A  DC\_8A\_n78A |
| DC\_1A-3A-8A\_n78(2A)2 | DC\_1A\_n78A  DC\_3A\_n78A  DC\_8A\_n78A |
| DC\_1A-3A-8A\_n79A | DC\_1A\_n79A  DC\_3A\_n79A  DC\_8A\_n79A |
| DC\_1A-3A-11A\_n28A | DC\_1A\_n28A  DC\_3A\_n28A  DC\_11A\_n28A |
| DC\_1A-3A-11A\_n77A | DC\_1A\_n77A  DC\_3A\_n77A  DC\_11A\_n77A |
| DC\_1A-3A-11A\_n77(2A) | DC\_1A\_n77A  DC\_3A\_n77A  DC\_11A\_n77A |
| DC\_1A-3A-18A\_n3A | DC\_1A\_n3A  DC\_3A\_n3A4  DC\_18A\_n3A |
| DC\_1A-3A-18A\_n28A | DC\_1A\_n28A  DC\_3A\_n28A  DC\_18A\_n28A |
| DC\_1A-3A-18A\_n41A | DC\_1A\_n41A  DC\_3A\_n41A  DC\_18A\_n41A |
| DC\_1A-3A-18A\_n77A | DC\_1A\_n77A  DC\_3A\_n77A  DC\_18A\_n77A |
| DC\_1A-3A-18A\_n77(2A) | DC\_1A\_n77A  DC\_3A\_n77A  DC\_18A\_n77A |
| DC\_1A-3A-18A\_n78A | DC\_1A\_n78A  DC\_3A\_n78A  DC\_18A\_n78A |
| DC\_1A-3A-18A\_n78(2A) | DC\_1A\_n78A  DC\_3A\_n78A  DC\_18A\_n78A |
| DC\_1A-3A-18A\_n79A | DC\_1A\_n79A  DC\_3A\_n79A  DC\_18A\_n79A |
| DC\_1A-3A-19A\_n77A2  DC\_1A-3A-19A\_n77C2 | DC\_1A\_n77A  DC\_3A\_n77A  DC\_19A\_n77A |
| DC\_1A-3A-19A\_n78A2  DC\_1A-3A-19A\_n78C2 | DC\_1A\_n78A  DC\_3A\_n78A  DC\_19A\_n78A |
| DC\_1A-3A-19A\_n79A2  DC\_1A-3A-19A\_n79C2 | DC\_1A\_n79A  DC\_3A\_n79A  DC\_19A\_n79A |
| DC\_1A-3A-20A\_n8A | DC\_1A\_n8A  DC\_3A\_n8A  DC\_20A\_n8A |
| DC\_1A-3A-20A\_n28A3 | DC\_1A\_n28A  DC\_3A\_n28A  DC\_20A\_n28A |
| DC\_1A-3A-20A\_n38A | DC\_3A\_n38A  DC\_20A\_n38A |
| DC\_1A-3A-20A\_n41A  DC\_1A-3C-20A\_n41A | DC\_1A\_n41A  DC\_3A\_n41A  DC\_3C\_n41A  DC\_20A\_n41A |
| DC\_1A-3A-20A\_n78A2 | DC\_1A\_n78A  DC\_3A\_n78A  DC\_20A\_n78A |
| DC\_1A-3A-21A\_n77A2  DC\_1A-3A-21A\_n77C2 | DC\_1A\_n77A  DC\_3A\_n77A  DC\_21A\_n77A |
| DC\_1A-3A-21A\_n78A2  DC\_1A-3A-21A\_n78C2 | DC\_1A\_n78A  DC\_3A\_n78A  DC\_21A\_n78A |
| DC\_1A-3A-21A\_n79A2  DC\_1A-3A-21A\_n79C2 | DC\_1A\_n79A  DC\_3A\_n79A  DC\_21A\_n79A |
| DC\_1A-3A-28A\_n5A  DC\_1A-3C-28A\_n5A | DC\_1A\_n5A  DC\_3A\_n5A  DC\_3C\_n5A  DC\_28A\_n5A |
| DC\_1A-3A-28A\_n7A  DC\_1A-3C-28A\_n7A  DC\_1A-3A-28A\_n7B  DC\_1A-3C-28A\_n7B | DC\_1A\_n7A  DC\_3A\_n7A  DC\_3C\_n7A  DC\_28A\_n7A |
| DC\_1A-3A-3A-28A\_n7A  DC\_1A-1A-3A-28A\_n7A  DC\_1A-1A-3C-28A\_n7A  DC\_1A-1A-3A-3A-28A\_n7A  DC\_1A-3A-3A-28A\_n7B  DC\_1A-1A-3A-28A\_n7B  DC\_1A-1A-3C-28A\_n7B  DC\_1A-1A-3A-3A-28A\_n7B | DC\_1A\_n7A  DC\_3A\_n7A  DC\_3C\_n7A  DC\_28A\_n7A |
| DC\_1A-3A-28A\_n40A | DC\_1A\_n40A  DC\_3A\_n40A  DC\_28A\_n40A |
| DC\_1A-3A\_n28A-n41A | DC\_1A\_n28A  DC\_1A\_n41A  DC\_3A\_n28A  DC\_3A\_n41A |
| DC\_1A-3A-28A\_n77A2  DC\_1A-3A-28A\_n77C | DC\_1A\_n77A  DC\_3A\_n77A  DC\_28A\_n77A |
| DC\_1A-3A\_n28A-n77A | DC\_1A\_n28A  DC\_1A\_n77A  DC\_3A\_n28A  DC\_3A\_n77A |
| DC\_1A-3A\_n28A-n77(2A) | DC\_1A\_n28A  DC\_1A\_n77A  DC\_3A\_n28A  DC\_3A\_n77A |
| DC\_1A-3A-28A\_n78A2  DC\_1A-3C-28A\_n78A  DC\_1A-3A-28A\_n78C  DC\_1A-1A-3A-28A\_n78A  DC\_1A-1A-3C-28A\_n78A | DC\_1A\_n78A  DC\_3A\_n78A  DC\_28A\_n78A |
| DC\_1A-3A-28A\_n79A2  DC\_1A-3A-28A\_n79C | DC\_1A\_n79A  DC\_3A\_n79A  DC\_28A\_n79A |
| DC\_1A-3A\_n28A-n78A2  DC\_1A-3C\_n28A-n78A | DC\_1A\_n28A  DC\_1A\_n78A  DC\_3A\_n28A  DC\_3A\_n78A  DC\_3C\_n28A |
| DC\_1A-3A-32A\_n78A  DC\_1A-3A-32A\_n78(2A) | DC\_1A\_n78A  DC\_3A\_n78A |
| DC\_1A-3A\_n38A-n78A | DC\_3A\_n38A  DC\_3A\_n78A |
| DC\_1A-3A\_n40A-n78A | DC\_1A\_n40A  DC\_1A\_n78A  DC\_3A\_n40A  DC\_3A\_n78A |
| DC\_1A-3A-40A\_n78A  DC\_1A-3A-40A\_n78(2A)  DC\_1A-3A-40C\_n78A  DC\_1A-3A-40C\_n78(2A) | DC\_1A\_n78A  DC\_3A\_n78A  DC\_40A\_n78A |
| DC\_1A-3A-41A\_n3A  DC\_1A-3A-41C\_n3A | DC\_1A\_n3A  DC\_3A\_n3A4  DC\_41A\_n3A  DC\_41C\_n3A |
| DC\_1A-3A-41A\_n28A  DC\_1A-3A-41C\_n28A | DC\_1A\_n28A  DC\_3A\_n28A  DC\_41A\_n28A  DC\_41C\_n28A |
| DC\_1A-3A-41A\_n41A | DC\_1A\_n41A  DC\_3A\_n41A |
| DC\_1A-3A\_(n)41AA | DC\_1A\_n41A  DC\_3A\_n41A |
| DC\_1A-3A-41A\_n77A  DC\_1A-3A-41C\_n77A | DC\_1A\_n77A  DC\_3A\_n77A  DC\_41A\_n77A  DC\_41C\_n77A |
| DC\_1A-3A-41A\_n77(2A)  DC\_1A-3A-41C\_n77(2A) | DC\_1A\_n77A  DC\_3A\_n77A  DC\_41A\_n77A  DC\_41C\_n77A |
| DC\_1A-3A\_n41A-n77A | DC\_1A\_n41A  DC\_1A\_n77A  DC\_3A\_n41A  DC\_3A\_n77A |
| DC\_1A-3A-41A\_n78A  DC\_1A-3A-41C\_n78A | DC\_1A\_n78A  DC\_3A\_n78A  DC\_41A\_n78A  DC\_41C\_n78A |
| DC\_1A-3A\_n41A-n78A | DC\_1A\_n41A  DC\_1A\_n78A  DC\_3A\_n41A  DC\_3A\_n78A |
| DC\_1A-3A-41A\_n78(2A)  DC\_1A-3A-41C\_n78(2A) | DC\_1A\_n78A  DC\_3A\_n78A  DC\_41A\_n78A  DC\_41C\_n78A |
| DC\_1A-3A-41A\_n79A  DC\_1A-3A-41C\_n79A | DC\_1A\_n79A  DC\_3A\_n79A  DC\_41A\_n79A |
| DC\_1A-3A-42A\_n28A  DC\_1A-3A-42C\_n28A | DC\_1A\_n28A  DC\_3A\_n28A  DC\_42A\_n28A  DC\_42C\_n28A |
| DC\_1A-3A-42A\_n77A  DC\_1A-3A-42A\_n77C  DC\_1A-3A-42C\_n77A  DC\_1A-3A-42C\_n77C  DC\_1A-3A-42D\_n77A | DC\_1A\_n77A  DC\_3A\_n77A |
| DC\_1A-3A-42A\_n77(2A)  DC\_1A-3A-42C\_n77(2A) | DC\_1A\_n77A  DC\_3A\_n77A |
| DC\_1A-3A-42A\_n78A  DC\_1A-3A-42A\_n78C  DC\_1A-3A-42C\_n78A  DC\_1A-3A-42C\_n78C  DC\_1A-3A-42D\_n78A | DC\_1A\_n78A  DC\_3A\_n78A |
| DC\_1A-3A-42A\_n79A  DC\_1A-3A-42A\_n79C  DC\_1A-3A-42C\_n79A  DC\_1A-3A-42C\_n79C  DC\_1A-3A-42D\_n79A | DC\_1A\_n79A  DC\_3A\_n79A |
| DC\_1A-3A\_n77A-n79A | DC\_1A\_n77A  DC\_1A\_n79A  DC\_3A\_n77A  DC\_3A\_n79A |
| DC\_1A-3A\_n78A-n79A | DC\_1A\_n78A  DC\_1A\_n79A  DC\_3A\_n78A  DC\_3A\_n79A |
| DC\_1A-3A\_SUL\_n78A-n80A | DC\_1A\_n78A  DC\_1A\_n80A  DC\_3A\_n78A  DC\_3A\_n80A\_ULSUP-TDM\_n78A |
| DC\_1A-5A-7A\_n78A  DC\_1A-5A-7A\_n78C | DC\_1A\_n78A  DC\_5A\_n78A  DC\_7A\_n78A |
| DC\_1A-5A-7A-7A\_n78A  DC\_1A-5A-7A-7A\_n78C | DC\_1A\_n78A  DC\_5A\_n78A  DC\_7A\_n78A |
| DC\_1A-5A-41A\_n79A | DC\_1A\_n79A  DC\_5A\_n79A  DC\_41A\_n79A |
| DC\_1A-7A\_n3A-n78A | DC\_1A\_n3A  DC\_1A\_n78A  DC\_7A\_n3A  DC\_7A\_n78A |
| DC\_1A-7A\_n5A-n78A  DC\_1A-7C\_n5A-n78A | DC\_1A\_n5A  DC\_1A\_n78A  DC\_7A\_n5A  DC\_7A\_n78A  DC\_7C\_n5A  DC\_7C\_n78A |
| DC\_1A-7A-8A\_n3A | DC\_1A\_n3A  DC\_7A\_n3A  DC\_8A\_n3A |
| DC\_1A-7A-8A\_n28A | DC\_1A\_n28A  DC\_7A\_n28A  DC\_8A\_n28A |
| DC\_1A-7A\_n7A-n78A | DC\_1A\_n7A  DC\_7A\_n7A4  DC\_1A\_n78A  DC\_7A\_n78A |
| DC\_1A-7A-8A\_n78A  DC\_1A-7A-8A\_n78(2A) | DC\_1A\_n78A  DC\_7A\_n78A  DC\_8A\_n78A |
| DC\_1A-7A-20A\_n3A  DC\_1A-7C-20A\_n3A | DC\_1A\_n3A  DC\_7A\_n3A  DC\_7C\_n3A  DC\_20A\_n3A |
| DC\_1A-7A-20A\_n8A | DC\_1A\_n8A  DC\_7A\_n8A  DC\_20A\_n8A |
| DC\_1A-7A-20A\_n28A3 | DC\_1A\_n28A  DC\_7A\_n28A  DC\_20A\_n28A |
| DC\_1A-7A-20A\_n78A2 | DC\_1A\_n78A  DC\_7A\_n78A  DC\_20A\_n78A |
| DC\_1A-7A-28A\_n3A | DC\_1A\_n3A  DC\_7A\_n3A  DC\_28A\_n3A |
| DC\_1A-7A-28A\_n5A  DC\_1A-7C-28A\_n5A | DC\_1A\_n5A  DC\_7A\_n5A  DC\_7C\_n5A  DC\_28A\_n5A |
| DC\_1A-7A-28A\_n7A | DC\_1A\_n7A  DC\_7A\_n7A4  DC\_28A\_n7A |
| DC\_1A-1A-7A-28A\_n7A | DC\_1A\_n7A  DC\_7A\_n7A4  DC\_28A\_n7A |
| DC\_1A-7A-28A\_n40A | DC\_1A\_n40A  DC\_7A\_n40A  DC\_28A\_n40A |
| DC\_1A-7A-28A\_n78A  DC\_1A-7C-28A\_n78A | DC\_1A\_n78A  DC\_7A\_n78A  DC\_7C\_n78A  DC\_28A\_n78A |
| DC\_1A-7A\_n28A-n78A2  DC\_1A-7C\_n28A-n78A | DC\_1A\_n28A  DC\_1A\_n78A  DC\_7A\_n28A  DC\_7A\_n78A  DC\_7C\_n28A  DC\_7C\_n78A |
| DC\_1A-7A-32A\_n28A | DC\_1A\_n28A  DC\_7A\_n28A |
| DC\_1A-7A-40A\_n78A  DC\_1A-7A-40C\_n78A | DC\_1A\_n78A  DC\_7A\_n78A  DC\_40A\_n78A |
| DC\_1A-7A-40A\_n78(2A)  DC\_1A-7A-40C\_n78(2A) | DC\_1A\_n78A  DC\_7A\_n78A  DC\_40A\_n78A |
| DC\_1A-7A\_n40A-n78A | DC\_1A\_n40A  DC\_1A\_n78A  DC\_7A\_n40A  DC\_7A\_n78A |
| DC\_1A-8A\_n3A-n28A | DC\_1A\_n3A  DC\_1A\_n28A  DC\_8A\_n3A  DC\_8A\_n28A |
| DC\_1A-8A\_n3A-n77A  DC\_1A-8A\_n3A-n77(2A) | DC\_1A\_n3A  DC\_1A\_n77A  DC\_8A\_n3A  DC\_8A\_n77A |
| DC\_1A-8A-11A\_n3A | DC\_1A\_n3A  DC\_8A\_n3A  DC\_11A\_n3A |
| DC\_1A-8A-11A\_n28A | DC\_1A\_n28A  DC\_8A\_n28A  DC\_11A\_n28A |
| DC\_1A-8A-11A\_n77A | DC\_1A\_n77A  DC\_8A\_n77A  DC\_11A\_n77A |
| DC\_1A-8A-11A\_n77(2A) | DC\_1A\_n77A  DC\_8A\_n77A  DC\_11A\_n77A |
| DC\_1A-8A-11A\_n78A | DC\_1A\_n78A  DC\_8A\_n78A  DC\_11A\_n78A |
| DC\_1A-8A-20A\_n78A | DC\_1A\_n78A  DC\_8A\_n78A  DC\_20A\_n78A |
| DC\_1A-8A\_n28A-n77A | DC\_1A\_n28A  DC\_1A\_n77A  DC\_8A\_n28A  DC\_8A\_n77A |
| DC\_1A-8A\_n28A-n77(2A) | DC\_1A\_n28A  DC\_1A\_n77A  DC\_8A\_n28A  DC\_8A\_n77A |
| DC\_1A-8A\_n40A-n78A | DC\_1A\_n40A  DC\_1A\_n78A  DC\_8A\_n40A  DC\_8A\_n78A |
| DC\_1A-8A-40A\_n78A  DC\_1A-8A-40C\_n78A | DC\_1A\_n78A  DC\_8A\_n78A  DC\_40A\_n78A |
| DC\_1A-8A-40A\_n78(2A)  DC\_1A-8A-40C\_n78(2A) | DC\_1A\_n78A  DC\_8A\_n78A  DC\_40A\_n78A |
| DC\_1A-8A-42A\_n3A  DC\_1A-8A-42C\_n3A | DC\_1A\_n3A  DC\_8A\_n3A  DC\_42A\_n3A  DC\_42C\_n3A |
| DC\_1A-8A-42A\_n28A  DC\_1A-8A-42C\_n28A | DC\_1A\_n28A  DC\_8A\_n28A  DC\_42A\_n28A  DC\_42C\_n28A |
| DC\_1A-8A-42A\_n77A  DC\_1A-8A-42C\_n77A | DC\_1A\_n77A  DC\_8A\_n77A |
| DC\_1A-8A-42A\_n77(2A)  DC\_1A-8A-42C\_n77(2A) | DC\_1A\_n77A  DC\_8A\_n77A |
| DC\_1A-11A\_n3A-n28A\_ | DC\_1A\_n3A  DC\_1A\_n28A  DC\_11A\_n3A  DC\_11A\_n28A |
| DC\_1A-11A-18A\_n77A | DC\_1A\_n77A  DC\_11A\_n77A  DC\_18A\_n77A |
| DC\_1A-11A-18A\_n78A | DC\_1A\_n78A  DC\_11A\_n78A  DC\_18A\_n78A |
| DC\_1A-18A\_n3A-n41A | DC\_1A\_n3A  DC\_1A\_n41A  DC\_18A\_n3A  DC\_18A\_n41A |
| DC\_1A-18A\_n3A-n77A | DC\_1A\_n3A  DC\_1A\_n77A  DC\_18A\_n3A  DC\_18A\_n77A |
| DC\_1A-18A\_n3A-n78A | DC\_1A\_n3A  DC\_1A\_n78A  DC\_18A\_n3A  DC\_18A\_n78A |
| DC\_1A-18A\_n28A-n41A | DC\_1A\_n28A  DC\_1A\_n41A  DC\_18A\_n28A  DC\_18A\_n41A |
| DC\_1A-18A-28A\_n77A | DC\_1A\_n77A  DC\_18A\_n77A  DC\_28A\_n77A |
| DC\_1A-18A\_n28A-n77A | DC\_1A\_n28A  DC\_1A\_n77A  DC\_18A\_n28A  DC\_18A\_n77A |
| DC\_1A-18A-28A\_n78A | DC\_1A\_n78A  DC\_18A\_n78A  DC\_28A\_n78A |
| DC\_1A-18A\_n28A-n78A | DC\_1A\_n28A  DC\_1A\_n78A  DC\_18A\_n28A  DC\_18A\_n78A |
| DC\_1A-18A-28A\_n79A2 | DC\_1A\_n79A  DC\_18A\_n79A  DC\_28A\_n79A |
| DC\_1A-18A-41A\_n3A  DC\_1A-18A-41C\_n3A | DC\_1A\_n3A  DC\_18A\_n3A  DC\_41A\_n3A  DC\_41C\_n3A |
| DC\_1A-18A-41A\_n77A  DC\_1A-18A-41C\_n77A | DC\_1A\_n77A  DC\_18A\_n77A  DC\_41A\_n77A  DC\_41C\_n77A |
| DC\_1A-18A\_n41A-n77A | DC\_1A\_n41A  DC\_1A\_n77A  DC\_18A\_n41A  DC\_18A\_n77A |
| DC\_1A-18A-41A\_n78A  DC\_1A-18A-41C\_n78A | DC\_1A\_n78A  DC\_18A\_n78A  DC\_41A\_n78A  DC\_41C\_n78A |
| DC\_1A-18A\_n41A-n78A | DC\_1A\_n41A  DC\_1A\_n78A  DC\_18A\_n41A  DC\_18A\_n78A |
| DC\_1A-18A-42A\_n77A  DC\_1A-18A-42C\_n77A | DC\_1A\_n77A  DC\_18A\_n77A |
| DC\_1A-18A-42A\_n78A  DC\_1A-18A-42C\_n78A | DC\_1A\_n78A  DC\_18A\_n78A |
| DC\_1A-18A-42A\_n79A  DC\_1A-18A-42C\_n79A | DC\_1A\_n79A  DC\_18A\_n79A |
| DC\_1A-19A-21A\_n77A  DC\_1A-19A-21A\_n77C | DC\_1A\_n77A  DC\_19A\_n77A  DC\_21A\_n77A |
| DC\_1A-19A-21A\_n78A  DC\_1A-19A-21A\_n78C | DC\_1A\_n78A  DC\_19A\_n78A  DC\_21A\_n78A |
| DC\_1A-19A-21A\_n79A  DC\_1A-19A-21A\_n79C | DC\_1A\_n79A  DC\_19A\_n79A  DC\_21A\_n79A |
| DC\_1A-19A-42A\_n77A  DC\_1A-19A-42A\_n77C  DC\_1A-19A-42C\_n77A  DC\_1A-19A-42C\_n77C | DC\_1A\_n77A  DC\_19A\_n77A |
| DC\_1A-19A-42A\_n78A  DC\_1A-19A-42A\_n78C  DC\_1A-19A-42C\_n78A  DC\_1A-19A-42C\_n78C | DC\_1A\_n78A  DC\_19A\_n78A |
| DC\_1A-19A-42A\_n79A  DC\_1A-19A-42A\_n79C  DC\_1A-19A-42C\_n79A  DC\_1A-19A-42C\_n79C | DC\_1A\_n79A  DC\_19A\_n79A |
| DC\_1A-19A\_n77A-n79A | DC\_19A\_n77A  DC\_19A\_n79A |
| DC\_1A-19A\_n78A-n79A | DC\_19A\_n78A  DC\_19A\_n79A |
| DC\_1A-20A\_n3A-n38A | DC\_1A\_n3A  DC\_20A\_n3A  DC\_1A\_n38A  DC\_20A\_n38A |
| DC\_1A-20A\_n3A-n78A | DC\_1A\_n3A  DC\_20A\_n3A  DC\_1A\_n78A  DC\_20A\_n78A |
| DC\_1A-20A\_n28A-n78A2,3 | DC\_1A\_n28A  DC\_1A\_n78A  DC\_20A\_n28A  DC\_20A\_n78A |
| DC\_1A-20A-32A\_n3A | DC\_1A\_n3A  DC\_20A\_n3A |
| DC\_1A-20A\_(n)38AA | DC\_1A\_n38A  DC\_20A\_n38A |
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| DC\_1A-20A-40A\_n78A | DC\_1A\_n78A  DC\_20A\_n78A  DC\_40A\_n78A |
| DC\_1A-20A\_n41A-n78A | DC\_1A\_n41A  DC\_1A\_n78A  DC\_20A\_n41A  DC\_20A\_n78A |
| DC\_1A-21A-28A\_n77A2 | DC\_1A\_n77A  DC\_21A\_n77A  DC\_28A\_n77A |
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| DC\_1A-28A\_n3A-n78A | DC\_1A\_n3A  DC\_1A\_n78A  DC\_28A\_n3A  DC\_28A\_n78A |
| DC\_1A-28A\_n5A-n78A | DC\_1A\_n5A  DC\_1A\_n78A  DC\_28A\_n5A  DC\_28A\_n78A |
| DC\_1A-28A\_n7A-n78A | DC\_1A-n7A  DC\_28A\_n7A  DC\_1A\_n78A  DC\_28A\_n78A |
| DC\_1A-28A\_n7B-n78A | DC\_1A-n7A  DC\_1A-n7B  DC\_28A\_n7A  DC\_28A\_n7B  DC\_1A\_n78A  DC\_28A\_n78A |
| DC\_1A-28A\_n40A-n78A | DC\_1A\_n40A  DC\_1A\_n78A  DC\_28A\_n40A  DC\_28A\_n78A |
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| DC\_1A-28A-42A\_n79A  DC\_1A-28A-42C\_n79A | DC\_1A\_n79A  DC\_28A\_n79A |
| DC\_1A-41A\_n3A-n41A | DC\_1A\_n3A  DC\_1A\_n41A  DC\_41A\_n3A |
| DC\_1A-41A\_n3A\_n77A | DC\_1A\_n3A  DC\_1A\_n77A  DC\_41A\_n3A  DC\_41A\_n77A |
| DC\_1A-41C\_n3A\_n77A | DC\_41A\_n3A  DC\_41A\_n77A  DC\_41C\_n3A  DC\_41C\_n77A |
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| DC\_1A-41C\_n3A\_n78A | DC\_41A\_n3A  DC\_41A\_n78A  DC\_41C\_n3A  DC\_41C\_n78A |
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| DC\_1A-41A\_n28A\_n78A | DC\_1A\_n28A  DC\_1A\_n78A  DC\_41A\_n28A  DC\_41A\_n78A |
| DC\_1A-41C\_n28A\_n78A | DC\_1A\_n28A  DC\_1A\_n78A  DC\_41A\_n28A  DC\_41A\_n78A  DC\_41C\_n28A  DC\_41C\_n78A |
| DC\_1A-41A\_n41A-n77A | DC\_1A\_n41A  DC\_1A\_n77A  DC\_41A\_n77A |
| DC\_1A-41A\_n41A-n78A | DC\_1A\_n41A  DC\_1A\_n78A  DC\_41A\_n78A |
| DC\_1A-42A\_n28A-n77A | DC\_1A\_n28A  DC\_1A\_n77A  DC\_42A\_n28A |
| DC\_1A-42A\_n28A-n77(2A) | DC\_1A\_n28A  DC\_1A\_n77A  DC\_42A\_n28A |
| DC\_1A-42C\_n28A-n77A | DC\_1A\_n28A  DC\_1A\_n77A  DC\_42A\_n28A  DC\_42C\_n28A |
| DC\_1A-42C\_n28A-n77(2A) | DC\_1A\_n28A  DC\_1A\_n77A  DC\_42A\_n28A  DC\_42C\_n28A |
| DC\_1A-41A-42A\_n77A  DC\_1A-41A-42C\_n77A  DC\_1A-41C-42A\_n77A  DC\_1A-41C-42C\_n77A | DC\_1A\_n77A  DC\_41A\_n77A |
| DC\_1A-41A-42A\_n77(2A)  DC\_1A-41A-42C\_n77(2A) | DC\_1A\_n77A  DC\_41A\_n77A |
| DC\_1A-41A-42A\_n78A  DC\_1A-41A-42C\_n78A  DC\_1A-41C-42A\_n78A  DC\_1A-41C-42C\_n78A | DC\_1A\_n78A  DC\_41A\_n78A |
| DC\_1A-41A-42A\_n79A  DC\_1A-41A-42C\_n79A  DC\_1A-41C-42A\_n79A  DC\_1A-41C-42C\_n79A | DC\_1A\_n79A  DC\_41A\_n79A |
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| DC\_2A-4A-7A\_n28A | DC\_2A\_n28A  DC\_4A\_n28A  DC\_7A\_n28A |
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| DC\_2A-12A\_(n)5AA | DC\_2A\_n5A  DC\_12A\_n5A  DC\_(n)5AA4 |
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| DC\_2A-7A-12A\_n2A | DC\_7A\_n2A  DC\_12A\_n2A |
| DC\_2A-7A-12A\_n66A  DC\_2A-2A-7A-12A\_n66A | DC\_2A\_n66A  DC\_7A\_n66A  DC\_12A\_n66A |
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| DC\_2A-7A-28A\_n66A  DC\_2A-7C-28A\_n66A | DC\_2A\_n66A  DC\_7A\_n66A  DC\_28A\_n66A |
| DC\_2A-7A\_n38A-n66A  DC\_2A-7C\_n38A-n66A  DC\_2A-7A-7A\_n38A-n66A | DC\_2A\_n38A  DC\_2A\_n66A  DC\_7A\_n66A |
| DC\_2A-7A\_n38A-n78A  DC\_2A-7A-7A\_n38A-n78A  DC\_2A-7C\_n38A-n78A | DC\_2A\_n78A |
| DC\_2A-7A-66A\_n2A | DC\_7A\_n2A  DC\_66A\_n2A |
| DC\_2A-7A-66A\_n7A  DC\_2A-7A-66A-66A\_n7A | DC\_2A\_n7A  DC\_7A\_n7A4  DC\_66A\_n7A |
| DC\_2A-7A-66A\_n28A | DC\_2A\_n28A  DC\_7A\_n28A  DC\_66A\_n28A |
| DC\_2A-7A-66A\_n38A  DC\_2A-2A-7A-66A\_n38A | 2A5  66A5 |
| DC\_2A-7A-66A\_n66A  DC\_2A-7C-66A\_n66A  DC\_2A-7A-7A-66A\_n66A  DC\_2A-7A-66A-66A\_n66A  DC\_2A-7A-7A-66A-66A\_n66A | DC\_2A\_n66A  DC\_7A\_n66A  DC\_66A\_n66A4 |
| DC\_2A-7A-66A\_n71A  DC\_2A-2A-7A-66A\_n71A | DC\_2A\_n71A  DC\_7A\_n71A  DC\_66A\_n71A |
| DC\_2A-7A-66A\_n77A  DC\_2A-7A-7A-66A\_n77A  DC\_2A-7A-66A\_n77(2A)  DC\_2A-7A-7A-66A\_n77(2A)  DC\_2A-7C-66A\_n77A  DC\_2A-7C-66A\_n77(2A) | DC\_2A\_n77A  DC\_7A\_n77A  DC\_66A\_n77A |
| DC\_2A-7A-66A\_n78A  DC\_2A-7C-66A\_n78A | DC\_2A\_n78A  DC\_7A\_n78A  DC\_66A\_n78A |
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| DC\_2A-7A\_n66A-n78A  DC\_2A-7A-7A\_n66A-n78A  DC\_2A-7C\_n66A-n78A | DC\_2A\_n66A  DC\_2A\_n78A  DC\_7A\_n66A  DC\_7A\_n78A |
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| DC\_2A-12A-66A\_n5A | DC\_2A\_n5A  DC\_12A\_n5A  DC\_66A\_n5A |
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| DC\_2A-12A-66A-66A\_n2A | DC\_12A\_n2A  DC\_66A\_n2A |
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| DC\_2A-28A-66A\_n7A | DC\_2A\_n7A  DC\_28A\_n7A  DC\_66A\_n7A |
| DC\_2A-28A-66A\_n66A | DC\_2A\_n66A  DC\_28A\_n66A  DC\_66A\_n66A4 |
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| DC\_2A-29A-66A-66A\_n2A | DC\_2A\_n2A4  DC\_66A\_n2A |
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| DC\_2A-30A-66A-66A\_n2A | DC\_2A\_n2A4  DC\_30A\_n2A  DC\_66A\_n2A |
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| DC\_2A-46A-48A\_n5A  DC\_2A-46C-48A\_n5A  DC\_2A-46D-48A\_n5A  DC\_2A-46E-48A\_n5A | DC\_2A\_n5A  DC\_48A\_n5A |
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| DC\_2A-46A-66A\_n41(2A)  DC\_2A-46C-66A\_n41(2A)  DC\_2A-46D-66A\_n41(2A) | DC\_2A\_n41A  DC\_66A\_n41A |
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| DC\_2A-66A\_(n)5AA | DC\_2A\_n5A  DC\_66A\_n5A  DC\_(n)5AA4 |
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| DC\_2A-66A-71A\_n78A  DC\_2A-2A-66A-71A\_n78A | DC\_2A\_n78A  DC\_66A\_n78A  DC\_71A\_n78A |
| DC\_2A-66A-(n)71AA  DC\_2A-66C-(n)71AA | DC\_2A\_n71A  DC\_66A\_n71A  DC\_(n)71AA |
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| DC\_2A-66A\_n41(2A)-n71A | DC\_2A\_n41A  DC\_2A\_n71A  DC\_66A\_n41A  DC\_66A\_n71A |
| DC\_2A-66A\_n66A-n77A | DC\_2A\_n77A  DC\_66A\_n77A |
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| DC\_2A-66A-71A\_n2A | DC\_66A\_n2A  DC\_71A\_n2A |
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| DC\_3A-7A\_n1A-n78A  DC\_3C-7A\_n1A-n78A  DC\_3A-3A-7A\_n1A-n78A  DC\_3A-7A-7A\_n1A-n78A  DC\_3A-3A-7A-7A\_n1A-n78A | DC\_3A\_n1A  DC\_3C\_n1A  DC\_3A\_n78A  DC\_3C\_n78A  DC\_7A\_n1A  DC\_7A\_n78A |
| DC\_3A-7C\_n1A-n78A  DC\_3C-7C\_n1A-n78A | DC\_3A\_n1A  DC\_3A\_n78A  DC\_7A\_n1A  DC\_7A\_n78A  DC\_7C\_n1A  DC\_7C\_n78A |
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| DC\_3A-7A-8A\_n77A | DC\_3A\_n77A  DC\_7A\_n77A  DC\_8A\_n77A |
| DC\_3A-7A-8A\_n78A  DC\_3A-7A-8A\_n78(2A) | DC\_3A\_n78A,  DC\_7A\_n78A,  DC\_8A\_n78A |
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| DC\_3A-7A-20A\_n28A3 | DC\_3A\_n28A  DC\_7A\_n28A  DC\_20A\_n28A |
| DC\_3A-7A-20A\_n78A2  DC\_3C-7A-20A\_n78A2 | DC\_3A\_n78A  DC\_20A\_n78A  DC\_7A\_n78A |
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| DC\_3A-7A-28A\_n5A  DC\_3A-7C-28A\_n5A  DC\_3C-7A-28A\_n5A  DC\_3C-7C-28A\_n5A | DC\_3A\_n5A  DC\_3C\_n5A  DC\_7A\_n5A  DC\_7C\_n5A  DC\_28A\_n5A |
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| DC\_3A-7A-40A\_n78A  DC\_3A-7A-40C\_n78A | DC\_3A\_n78A  DC\_7A\_n78A  DC\_40A\_n78A |
| DC\_3A-7A-40A\_n78(2A)  DC\_3A-7A-40C\_n78(2A) | DC\_3A\_n78A  DC\_7A\_n78A  DC\_40A\_n78A |
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| DC\_3A-8A-11A\_n77A | DC\_3A\_n77A  DC\_8A\_n77A  DC\_11A\_n77A |
| DC\_3A-8A-11A\_n77(2A) | DC\_3A\_n77A  DC\_8A\_n77A  DC\_11A\_n77A |
| DC\_3A-8A-20A\_n78A | DC\_3A\_n78A  DC\_8A\_n78A  DC\_20A\_n78A |
| DC\_3A-8A\_n28A-n77A | DC\_3A\_n28A  DC\_3A\_n77A  DC\_8A\_n28A  DC\_8A\_n77A |
| DC\_3A-8A\_n28A-n77(2A) | DC\_3A\_n28A  DC\_3A\_n77A  DC\_8A\_n28A  DC\_8A\_n77A |
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| DC\_3A-19A\_n1A-n78A | DC\_3A\_n1A  DC\_3A\_n78A  DC\_19A\_n1A  DC\_19A\_n78A |
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| DC\_3A-19A-21A\_n78A2  DC\_3A-19A-21A\_n78C2 | DC\_3A\_n78A  DC\_19A\_n78A  DC\_21A\_n78A |
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| DC\_3C-20A\_n1A-n7A | DC\_3A\_n1A  DC\_3C\_n1A  DC\_3A\_n7A  DC\_3C\_n7A  DC\_20A\_n1A  DC\_20A\_n7A |
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| DC\_3C-20A\_n1A-n28A | DC\_3A\_n1A  DC\_3A\_n28A  DC\_20A\_n1A  DC\_3C\_n1A  DC\_3C\_n28A  DC\_20A\_n28A |
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| DC\_3A-42A\_n28A-n77(2A) | DC\_3A\_n28A  DC\_3A\_n77A  DC\_42A\_n28A |
| DC\_3A-42C\_n28A-n77A | DC\_3A\_n28A  DC\_3A\_n77A  DC\_42A\_n28A  DC\_42C\_n28A |
| DC\_3A-42C\_n28A-n77(2A) | DC\_3A\_n28A  DC\_3A\_n77A  DC\_42A\_n28A  DC\_42C\_n28A |
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| DC\_3A-42A\_n78A-n79A  DC\_3A-42C\_n78A-n79A | DC\_3A\_n78A  DC\_3A\_n79A |
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| DC\_8A\_n3A-n28A-n77(2A) | DC\_8A\_n3A  DC\_8A\_n28A  DC\_8A\_n77A |
| DC\_8A\_n40A-n41A-n79A | DC\_8A\_n40A  DC\_8A\_n41A  DC\_8A\_n79A |
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| DC\_8A-42A\_n28A-n77(2A) | DC\_8A\_n28A  DC\_8A\_n77A  DC\_42A\_n28A |
| DC\_8A-42C\_n28A-n77A | DC\_8A\_n28A  DC\_8A\_n77A  DC\_42A\_n28A  DC\_42C\_n28A |
| DC\_8A-42C\_n28A-n77(2A) | DC\_8A\_n28A  DC\_8A\_n77A  DC\_42A\_n28A  DC\_42C\_n28A |
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| DC\_19A-42A\_n1A-n79A  DC\_19A-42C\_n1A-n79A | DC\_19A\_n1A  DC\_19A\_n79A |
| DC\_19A-42A\_n77A-n79A  DC\_19A-42C\_n77A-n79A | DC\_19A\_n77A  DC\_19A\_n79A |
| DC\_19A-42A\_n78A-n79A  DC\_19A-42C\_n78A-n79A | DC\_19A\_n78A  DC\_19A\_n79A |
| DC\_21A-28A-42A\_n77A  DC\_21A-28A-42C\_n77A | DC\_21A\_n77A  DC\_28A\_n77A |
| DC\_21A-28A-42A\_n78A  DC\_21A-28A-42C\_n78A | DC\_21A\_n78A  DC\_28A\_n78A |
| DC\_21A-28A-42A\_n79A  DC\_21A-28A-42C\_n79A | DC\_21A\_n79A  DC\_28A\_n79A |
| DC\_21A-42A\_n1A-n77A  DC\_21A-42C\_n1A-n77A | DC\_21A\_n1A  DC\_21A\_n77A |
| DC\_21A-42A\_n1A-n78A  DC\_21A-42C\_n1A-n78A | DC\_21A\_n1A  DC\_21A\_n78A |
| DC\_21A-42A\_n1A-n79A  DC\_21A-42C\_n1A-n79A | DC\_21A\_n1A  DC\_21A\_n79A |
| DC\_21A-42A\_n77A-n79A  DC\_21A-42C\_n77A-n79A | DC\_21A\_n77A  DC\_21A\_n79A |
| DC\_21A-42A\_n78A-n79A  DC\_21A-42C\_n78A-n79A | DC\_21A\_n78A  DC\_21A\_n79A |
| DC\_28A-41A-42A\_n78A  DC\_28A-41C-42A\_n78A  DC\_28A-41A-42C\_n78A  DC\_28A-41C-42C\_n78A | DC\_28A\_n78A  DC\_41A\_n78A  DC\_41C\_n78A  DC\_42A\_n78A  DC\_42C\_n78A |
| DC\_29A-30A-66A\_n2A | DC\_30A\_n2A  DC\_66A\_n2A |
| DC\_29A-30A-66A-66A\_n2A | DC\_30A\_n2A  DC\_66A\_n2A |
| DC\_29A-30A-66A\_n66A | DC\_30A\_n66A  DC\_66A\_n66A4 |
| DC\_46A-66A\_n25A-n41A  DC\_46C-66A\_n25A-n41A  DC\_46D-66A\_n25A-n41A | DC\_66A\_n25A  DC\_66A\_n41A |
| DC\_46A-66A\_n25A-n71A  DC\_46C-66A\_n25A-n71A  DC\_46D-66A\_n25A-n71A | DC\_66A\_n25A  DC\_66A\_n71A |
| DC\_46A-66A\_n41A-n71A  DC\_46C-66A\_n41A-n71A  DC\_46D-66A\_n41A-n71A | DC\_66A\_n41A  DC\_66A\_n71A |
| DC\_46A-66A\_n41(2A)-n71A  DC\_46C-66A\_n41(2A)-n71A  DC\_46D-66A\_n41(2A)-n71A | DC\_66A\_n41A  DC\_66A\_n71A |
| DC\_48A-66A\_n25A-n48A | DC\_48A\_n25A  DC\_66A\_n25A  DC\_66A\_n48A |
| 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  NOTE 3: The frequency range in band n28 is restricted for this band combination to 703-733 MHz for the UL and 758-788 MHz for the DL.  NOTE 4: Only single switched UL is supported.  NOTE 5: UL carrier shall be supported in Band 2 or band 66 only. Power imbalance between downlink carriers on Band 7 and Band 38 is assumed to be within 6dB. | |

--Text omitted---

Table 5.5B.4a.3-1: Inter-band NE-DC configurations within FR1 (four bands)

|  |  |
| --- | --- |
| NE-DC  configuration | Uplink NE-DC  configuration  (NOTE 1) |
| DC\_n78A\_1A-3A-5A | DC\_n78A\_1A  DC\_n78A\_3A  DC\_n78A\_5A |
| DC\_n78A\_1A-3A-7A | DC\_n78A\_1A  DC\_n78A\_3A  DC\_n78A\_7A |
| DC\_n78A\_1A-3A-7A-7A | DC\_n78A\_1A  DC\_n78A\_3A  DC\_n78A\_7A |
| DC\_n78A\_1A-3A-8A | DC\_n78A\_1A  DC\_n78A\_3A  DC\_n78A\_8A |
| DC\_n78A\_1A-3C-8A | DC\_n78A\_1A  DC\_n78A\_3A  DC\_n78A\_8A |
| DC\_n78A\_1A-5A-7A | DC\_n78A\_1A  DC\_n78A\_5A  DC\_n78A\_7A |
| DC\_n78A\_1A-5A-7A-7A | DC\_n78A\_1A  DC\_n78A\_5A  DC\_n78A\_7A |
| DC\_n78A\_3A-5A-7A | DC\_n78A\_3A  DC\_n78A\_5A  DC\_n78A\_7A |
| DC\_n78A\_3A-5A-7A-7A | DC\_n78A\_3A  DC\_n78A\_5A  DC\_n78A\_7A |
| NOTE 1: Uplink NE-DC configurations are the configurations supported by the present release of specifications. | |

---Text omitted---

Table 5.5B.5.3-1: Inter-band EN-DC configurations including FR2 (four bands)

| EN-DC configuration | Uplink EN-DC configuration (NOTE 1) |
| --- | --- |
| DC\_1A-3A-5A\_n257A2  DC\_1A-3A-5A\_n257D  DC\_1A-3A-5A\_n257E  DC\_1A-3A-5A\_n257F  DC\_1A-3A-5A\_n257G  DC\_1A-3A-5A\_n257H  DC\_1A-3A-5A\_n257I  DC\_1A-3A-5A\_n257J  DC\_1A-3A-5A\_n257K  DC\_1A-3A-5A\_n257L  DC\_1A-3A-5A\_n257M | DC\_1A\_n257A  DC\_1A\_n257D  DC\_1A\_n257G  DC\_1A\_n257H  DC\_1A\_n257I  DC\_3A\_n257A  DC\_3A\_n257D  DC\_3A\_n257G  DC\_3A\_n257H  DC\_3A\_n257I  DC\_5A\_n257A  DC\_5A\_n257D  DC\_5A\_n257G  DC\_5A\_n257H  DC\_5A\_n257I |
| DC\_1A-3A-7A\_n257A2  DC\_1A-3A-7A\_n257D  DC\_1A-3A-7A\_n257E  DC\_1A-3A-7A\_n257F  DC\_1A-3A-7A\_n257G  DC\_1A-3A-7A\_n257H  DC\_1A-3A-7A\_n257I  DC\_1A-3A-7A\_n257J  DC\_1A-3A-7A\_n257K  DC\_1A-3A-7A\_n257L  DC\_1A-3A-7A\_n257M | DC\_1A\_n257A  DC\_1A\_n257D  DC\_1A\_n257G  DC\_1A\_n257H  DC\_1A\_n257I  DC\_3A\_n257A  DC\_3A\_n257D  DC\_3A\_n257G  DC\_3A\_n257H  DC\_3A\_n257I  DC\_7A\_n257A  DC\_7A\_n257D  DC\_7A\_n257G  DC\_7A\_n257H  DC\_7A\_n257I |
| DC\_1A-3A-7A-7A\_n257A  DC\_1A-3A-7A-7A\_n257D  DC\_1A-3A-7A-7A\_n257G  DC\_1A-3A-7A-7A\_n257H  DC\_1A-3A-7A-7A\_n257I | DC\_1A\_n257A  DC\_1A\_n257D  DC\_1A\_n257G  DC\_1A\_n257H  DC\_1A\_n257I  DC\_3A\_n257A  DC\_3A\_n257D  DC\_3A\_n257G  DC\_3A\_n257H  DC\_3A\_n257I  DC\_7A\_n257A  DC\_7A\_n257D  DC\_7A\_n257G  DC\_7A\_n257H  DC\_7A\_n257I |
| DC\_1A-3A-8A\_n257A  DC\_1A-3A-8A\_n257D  DC\_1A-3A-8A\_n257E  DC\_1A-3A-8A\_n257F  DC\_1A-3A-8A\_n257G  DC\_1A-3A-8A\_n257H  DC\_1A-3A-8A\_n257I  DC\_1A-3A-8A\_n257J  DC\_1A-3A-8A\_n257K  DC\_1A-3A-8A\_n257L  DC\_1A-3A-8A\_n257M  DC\_1A-3C-8A\_n257A  DC\_1A-3C-8A\_n257D  DC\_1A-3C-8A\_n257E  DC\_1A-3C-8A\_n257F  DC\_1A-3C-8A\_n257G  DC\_1A-3C-8A\_n257H  DC\_1A-3C-8A\_n257I  DC\_1A-3C-8A\_n257J  DC\_1A-3C-8A\_n257K  DC\_1A-3C-8A\_n257L  DC\_1A-3C-8A\_n257M | DC\_1A\_n257A  DC\_1A\_n257D  DC\_1A\_n257G  DC\_1A\_n257H  DC\_1A\_n257I  DC\_3A\_n257A  DC\_3A\_n257D  DC\_3A\_n257G  DC\_3A\_n257H  DC\_3A\_n257I  DC\_8A\_n257A  DC\_8A\_n257D  DC\_8A\_n257G  DC\_8A\_n257H  DC\_8A\_n257I |
| DC\_1A-3A-11A\_n257A  DC\_1A-3A-11A\_n257G  DC\_1A-3A-11A\_n257H  DC\_1A-3A-11A\_n257I | DC\_1A\_n257A  DC\_1A\_n257G  DC\_1A\_n257H  DC\_1A\_n257I  DC\_3A\_n257A  DC\_3A\_n257G  DC\_3A\_n257H  DC\_3A\_n257I  DC\_11A\_n257A  DC\_11A\_n257G  DC\_11A\_n257H  DC\_11A\_n257I |
| DC\_1A-3A-18A\_n257A  DC\_1A-3A-18A\_n257D  DC\_1A-3A-18A\_n257E  DC\_1A-3A-18A\_n257F  DC\_1A-3A-18A\_n257G  DC\_1A-3A-18A\_n257H  DC\_1A-3A-18A\_n257I  DC\_1A-3A-18A\_n257J  DC\_1A-3A-18A\_n257K  DC\_1A-3A-18A\_n257L  DC\_1A-3A-18A\_n257M | DC\_1A\_n257A  DC\_1A\_n257G  DC\_1A\_n257H  DC\_1A\_n257I  DC\_3A\_n257A  DC\_3A\_n257G  DC\_3A\_n257H  DC\_3A\_n257I  DC\_18A\_n257A  DC\_18A\_n257G  DC\_18A\_n257H  DC\_18A\_n257I |
| DC\_1A-3A-19A\_n257A2  DC\_1A-3A-19A\_n257G  DC\_1A-3A-19A\_n257H  DC\_1A-3A-19A\_n257I  DC\_1A-3A-19A\_n257J  DC\_1A-3A-19A\_n257K  DC\_1A-3A-19A\_n257L  DC\_1A-3A-19A\_n257M | DC\_1A\_n257A  DC\_1A\_n257G  DC\_1A\_n257H  DC\_1A\_n257I  DC\_3A\_n257A  DC\_3A\_n257A  DC\_3A\_n257G  DC\_3A\_n257H  DC\_3A\_n257I  DC\_3A\_n257J  DC\_3A\_n257K  DC\_3A\_n257L  DC\_3A\_n257M  DC\_19A\_n257A  DC\_19A\_n257G  DC\_19A\_n257H  DC\_19A\_n257I |
| DC\_1A-3A-21A\_n257A2  DC\_1A-3A-21A\_n257G  DC\_1A-3A-21A\_n257H  DC\_1A-3A-21A\_n257I  DC\_1A-3A-21A\_n257J  DC\_1A-3A-21A\_n257K  DC\_1A-3A-21A\_n257L  DC\_1A-3A-21A\_n257M | DC\_1A\_n257A  DC\_1A\_n257G  DC\_1A\_n257H  DC\_1A\_n257I  DC\_3A\_n257A  DC\_3A\_n257G  DC\_3A\_n257H  DC\_3A\_n257I  DC\_3A\_n257J  DC\_3A\_n257K  DC\_3A\_n257L  DC\_3A\_n257M  DC\_21A\_n257A  DC\_21A\_n257G  DC\_21A\_n257H  DC\_21A\_n257I |
| DC\_1A-3A-28A\_n257A2  DC\_1A-3A-28A\_n257G  DC\_1A-3A-28A\_n257H  DC\_1A-3A-28A\_n257I  DC\_1A-3A-28A\_n257J  DC\_1A-3A-28A\_n257K  DC\_1A-3A-28A\_n257L  DC\_1A-3A-28A\_n257M | DC\_1A\_n257A  DC\_1A\_n257G  DC\_1A\_n257H  DC\_1A\_n257I  DC\_3A\_n257A  DC\_3A\_n257G  DC\_3A\_n257H  DC\_3A\_n257I  DC\_3A\_n257J  DC\_3A\_n257K  DC\_3A\_n257L  DC\_3A\_n257M  DC\_28A\_n257A  DC\_28A\_n257G  DC\_28A\_n257H  DC\_28A\_n257I |
| DC\_1A-3A-41A\_n257A  DC\_1A-3A-41A\_n257D  DC\_1A-3A-41A\_n257E  DC\_1A-3A-41A\_n257F  DC\_1A-3A-41A\_n257G  DC\_1A-3A-41A\_n257H  DC\_1A-3A-41A\_n257I  DC\_1A-3A-41A\_n257J  DC\_1A-3A-41A\_n257K  DC\_1A-3A-41A\_n257L  DC\_1A-3A-41A\_n257M  DC\_1A-3A-41C\_n257A  DC\_1A-3A-41C\_n257D  DC\_1A-3A-41C\_n257E  DC\_1A-3A-41C\_n257F  DC\_1A-3A-41C\_n257G  DC\_1A-3A-41C\_n257H  DC\_1A-3A-41C\_n257I  DC\_1A-3A-41C\_n257J  DC\_1A-3A-41C\_n257K  DC\_1A-3A-41C\_n257L  DC\_1A-3A-41C\_n257M | DC\_1A\_n257A  DC\_1A\_n257G  DC\_1A\_n257H  DC\_1A\_n257I  DC\_3A\_n257A  DC\_3A\_n257G  DC\_3A\_n257H  DC\_3A\_n257I  DC\_41A\_n257A  DC\_41A\_n257G  DC\_41A\_n257H  DC\_41A\_n257I  DC\_41C\_n257A  DC\_41C\_n257G  DC\_41C\_n257H  DC\_41C\_n257I |
| DC\_1A-3A-42A\_n257A  DC\_1A-3A-42A\_n257G  DC\_1A-3A-42A\_n257H  DC\_1A-3A-42A\_n257I  DC\_1A-3A-42A\_n257J  DC\_1A-3A-42A\_n257K  DC\_1A-3A-42A\_n257L  DC\_1A-3A-42A\_n257M  DC\_1A-3A-42C\_n257A  DC\_1A-3A-42C\_n257D  DC\_1A-3A-42C\_n257E  DC\_1A-3A-42C\_n257F  DC\_1A-3A-42C\_n257G  DC\_1A-3A-42C\_n257H  DC\_1A-3A-42C\_n257I  DC\_1A-3A-42C\_n257J  DC\_1A-3A-42C\_n257K  DC\_1A-3A-42C\_n257L  DC\_1A-3A-42C\_n257M  DC\_1A-3A-42D\_n257A  DC\_1A-3A-42D\_n257G  DC\_1A-3A-42D\_n257H  DC\_1A-3A-42D\_n257I  DC\_1A-3A-42D\_n257J  DC\_1A-3A-42D\_n257K  DC\_1A-3A-42D\_n257L  DC\_1A-3A-42D\_n257M | DC\_1A\_n257A  DC\_1A\_n257G  DC\_1A\_n257H  DC\_1A\_n257I  DC\_1A\_n257J  DC\_1A\_n257K  DC\_1A\_n257L  DC\_1A\_n257M  DC\_3A\_n257A  DC\_3A\_n257G  DC\_3A\_n257H  DC\_3A\_n257I  DC\_3A\_n257J  DC\_3A\_n257K  DC\_3A\_n257L  DC\_3A\_n257M  DC\_42A\_n257A  DC\_42A\_n257G  DC\_42A\_n257H  DC\_42A\_n257I  DC\_42C\_n257A  DC\_42C\_n257G  DC\_42C\_n257H  DC\_42C\_n257I |
| DC\_1A-5A-7A\_n257A2  DC\_1A-5A-7A\_n257D  DC\_1A-5A-7A\_n257E  DC\_1A-5A-7A\_n257F  DC\_1A-5A-7A\_n257G  DC\_1A-5A-7A\_n257H  DC\_1A-5A-7A\_n257I  DC\_1A-5A-7A\_n257J  DC\_1A-5A-7A\_n257K  DC\_1A-5A-7A\_n257L  DC\_1A-5A-7A\_n257M | DC\_1A\_n257A  DC\_1A\_n257D  DC\_1A\_n257G  DC\_1A\_n257H  DC\_1A\_n257I  DC\_5A\_n257A  DC\_5A\_n257D  DC\_5A\_n257G  DC\_5A\_n257H  DC\_5A\_n257I  DC\_7A\_n257A  DC\_7A\_n257D  DC\_7A\_n257G  DC\_7A\_n257H  DC\_7A\_n257I |
| DC\_1A-5A-7A-7A\_n257A  DC\_1A-5A-7A-7A\_n257D  DC\_1A-5A-7A-7A\_n257E  DC\_1A-5A-7A-7A\_n257F  DC\_1A-5A-7A-7A\_n257G  DC\_1A-5A-7A-7A\_n257H  DC\_1A-5A-7A-7A\_n257I  DC\_1A-5A-7A-7A\_n257J  DC\_1A-5A-7A-7A\_n257K  DC\_1A-5A-7A-7A\_n257L  DC\_1A-5A-7A-7A\_n257M | DC\_1A\_n257A  DC\_1A\_n257D  DC\_1A\_n257G  DC\_1A\_n257H  DC\_1A\_n257I  DC\_5A\_n257A  DC\_5A\_n257D  DC\_5A\_n257G  DC\_5A\_n257H  DC\_5A\_n257I  DC\_7A\_n257A  DC\_7A\_n257D  DC\_7A\_n257G  DC\_7A\_n257H  DC\_7A\_n257I |
| DC\_1A-8A-11A\_n257A  DC\_1A-8A-11A\_n257D  DC\_1A-8A-11A\_n257G  DC\_1A-8A-11A\_n257H  DC\_1A-8A-11A\_n257I | DC\_1A\_n257A  DC\_1A\_n257D  DC\_1A\_n257G  DC\_1A\_n257H  DC\_1A\_n257I  DC\_8A\_n257A  DC\_8A\_n257D  DC\_8A\_n257G  DC\_8A\_n257H  DC\_8A\_n257I  DC\_11A\_n257A  DC\_11A\_n257D  DC\_11A\_n257G  DC\_11A\_n257H  DC\_11A\_n257I |
| DC\_1A-11A-18A\_n257A  DC\_1A-11A-18A\_n257G  DC\_1A-11A-18A\_n257H  DC\_1A-11A-18A\_n257I | DC\_1A\_n257A  DC\_1A\_n257G  DC\_1A\_n257H  DC\_1A\_n257I  DC\_11A\_n257A  DC\_11A\_n257G  DC\_11A\_n257H  DC\_11A\_n257I  DC\_18A\_n257A  DC\_18A\_n257G  DC\_18A\_n257H  DC\_18A\_n257I |
| DC\_1A-18A-28A\_n257A2 | DC\_1A\_n257A  DC\_18A\_n257A  DC\_28A\_n257A |
| DC\_1A-18A-41A\_n257A  DC\_1A-18A-41A\_n257G  DC\_1A-18A-41A\_n257H  DC\_1A-18A-41A\_n257I  DC\_1A-18A-41C\_n257A  DC\_1A-18A-41C\_n257G  DC\_1A-18A-41C\_n257H  DC\_1A-18A-41C\_n257I | DC\_1A\_n257A  DC\_1A\_n257G  DC\_1A\_n257H  DC\_1A\_n257I  DC\_18A\_n257A  DC\_18A\_n257G  DC\_18A\_n257H  DC\_18A\_n257I  DC\_41A\_n257A  DC\_41A\_n257G  DC\_41A\_n257H  DC\_41A\_n257I  DC\_41C\_n257A  DC\_41C\_n257G  DC\_41C\_n257H  DC\_41C\_n257I |
| DC\_1A-18A-42A\_n257A  DC\_1A-18A-42A\_n257D  DC\_1A-18A-42A\_n257E  DC\_1A-18A-42A\_n257F  DC\_1A-18A-42A\_n257G  DC\_1A-18A-42A\_n257H  DC\_1A-18A-42A\_n257I  DC\_1A-18A-42A\_n257J  DC\_1A-18A-42A\_n257K  DC\_1A-18A-42A\_n257L  DC\_1A-18A-42A\_n257M  DC\_1A-18A-42C\_n257A  DC\_1A-18A-42C\_n257D  DC\_1A-18A-42C\_n257E  DC\_1A-18A-42C\_n257F  DC\_1A-18A-42C\_n257G  DC\_1A-18A-42C\_n257H  DC\_1A-18A-42C\_n257I  DC\_1A-18A-42C\_n257J  DC\_1A-18A-42C\_n257K  DC\_1A-18A-42C\_n257L  DC\_1A-18A-42C\_n257M | DC\_1A\_n257A  DC\_1A\_n257G  DC\_1A\_n257H  DC\_1A\_n257I  DC\_18A\_n257A  DC\_18A\_n257G  DC\_18A\_n257H  DC\_18A\_n257I  DC\_42A\_n257A  DC\_42A\_n257G  DC\_42A\_n257H  DC\_42A\_n257I  DC\_42C\_n257A  DC\_42C\_n257G  DC\_42C\_n257H  DC\_42C\_n257I |
| DC\_1A-19A-21A\_n257A  DC\_1A-19A-21A\_n257D  DC\_1A-19A-21A\_n257E  DC\_1A-19A-21A\_n257F  DC\_1A-19A-21A\_n257G  DC\_1A-19A-21A\_n257H  DC\_1A-19A-21A\_n257I  DC\_1A-19A-21A\_n257J  DC\_1A-19A-21A\_n257K  DC\_1A-19A-21A\_n257L  DC\_1A-19A-21A\_n257M | DC\_1A\_n257A  DC\_1A\_n257G  DC\_1A\_n257H  DC\_1A\_n257I  DC\_1A\_n257J  DC\_1A\_n257K  DC\_1A\_n257L  DC\_1A\_n257M  DC\_19A\_n257A  DC\_19A\_n257G  DC\_19A\_n257H  DC\_19A\_n257I  DC\_21A\_n257A  DC\_21A\_n257G  DC\_21A\_n257H  DC\_21A\_n257I  DC\_21A\_n257J  DC\_21A\_n257K  DC\_21A\_n257L  DC\_21A\_n257M |
| DC\_1A-19A-42A\_n257A  DC\_1A-19A-42C\_n257A  DC\_1A-19A-42C\_n257D  DC\_1A-19A-42C\_n257E  DC\_1A-19A-42C\_n257F  DC\_1A-19A-42A\_n257G  DC\_1A-19A-42A\_n257H  DC\_1A-19A-42A\_n257I  DC\_1A-19A-42A\_n257J  DC\_1A-19A-42A\_n257K  DC\_1A-19A-42A\_n257L  DC\_1A-19A-42A\_n257M  DC\_1A-19A-42C\_n257G  DC\_1A-19A-42C\_n257H  DC\_1A-19A-42C\_n257I  DC\_1A-19A-42C\_n257J  DC\_1A-19A-42C\_n257K  DC\_1A-19A-42C\_n257L  DC\_1A-19A-42C\_n257M | DC\_1A\_n257A  DC\_1A\_n257G  DC\_1A\_n257H  DC\_1A\_n257I  DC\_1A\_n257J  DC\_1A\_n257K  DC\_1A\_n257L  DC\_1A\_n257M  DC\_19A\_n257A  DC\_42A\_n257A  DC\_42A\_n257G  DC\_42A\_n257H  DC\_42A\_n257I |
| DC\_1A-21A-28A\_n257A2 | DC\_1A\_n257A  DC\_21A\_n257A  DC\_28A\_n257A |
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| DC\_3A-18A-42A\_n257A  DC\_3A-18A-42A\_n257D  DC\_3A-18A-42A\_n257E  DC\_3A-18A-42A\_n257F  DC\_3A-18A-42A\_n257G  DC\_3A-18A-42A\_n257H  DC\_3A-18A-42A\_n257I  DC\_3A-18A-42A\_n257J  DC\_3A-18A-42A\_n257K  DC\_3A-18A-42A\_n257L  DC\_3A-18A-42A\_n257M  DC\_3A-18A-42C\_n257A  DC\_3A-18A-42C\_n257D  DC\_3A-18A-42C\_n257E  DC\_3A-18A-42C\_n257F  DC\_3A-18A-42C\_n257G  DC\_3A-18A-42C\_n257H  DC\_3A-18A-42C\_n257I  DC\_3A-18A-42C\_n257J  DC\_3A-18A-42C\_n257K  DC\_3A-18A-42C\_n257L  DC\_3A-18A-42C\_n257M | DC\_3A\_n257A  DC\_3A\_n257G  DC\_3A\_n257H  DC\_3A\_n257I  DC\_18A\_n257A  DC\_18A\_n257G  DC\_18A\_n257H  DC\_18A\_n257I  DC\_42A\_n257A  DC\_42A\_n257G  DC\_42A\_n257H  DC\_42A\_n257I  DC\_42C\_n257A  DC\_42C\_n257G  DC\_42C\_n257H  DC\_42C\_n257I |
| DC\_3A-19A-21A\_n257A2 | DC\_3A\_n257A  DC\_19A\_n257A  DC\_21A\_n257A |
| DC\_3A-19A-42A\_n257A  DC\_3A-19A-42A\_n257D  DC\_3A-19A-42A\_n257E  DC\_3A-19A-42A\_n257F  DC\_3A-19A-42A\_n257G  DC\_3A-19A-42A\_n257H  DC\_3A-19A-42A\_n257I  DC\_3A-19A-42C\_n257A  DC\_3A-19A-42C\_n257D  DC\_3A-19A-42C\_n257E  DC\_3A-19A-42C\_n257F  DC\_3A-19A-42C\_n257G  DC\_3A-19A-42C\_n257H  DC\_3A-19A-42C\_n257I  DC\_3A-19A-42D\_n257A  DC\_3A-19A-42D\_n257D  DC\_3A-19A-42D\_n257E  DC\_3A-19A-42D\_n257F | DC\_3A\_n257A  DC\_3A\_n257D  DC\_3A\_n257G  DC\_3A\_n257H  DC\_3A\_n257I  DC\_19A\_n257A  DC\_19A\_n257D  DC\_19A\_n257G  DC\_19A\_n257H  DC\_19A\_n257I  DC\_42A\_n257A  DC\_42A\_n257D  DC\_42A\_n257G  DC\_42A\_n257H  DC\_42A\_n257I |
| DC\_3A-21A-42A\_n257A  DC\_3A-21A-42A\_n257D  DC\_3A-21A-42A\_n257E  DC\_3A-21A-42A\_n257F  DC\_3A-21A-42A\_n257G  DC\_3A-21A-42A\_n257H  DC\_3A-21A-42A\_n257I  DC\_3A-21A-42C\_n257A  DC\_3A-21A-42C\_n257D  DC\_3A-21A-42C\_n257E  DC\_3A-21A-42C\_n257F  DC\_3A-21A-42C\_n257G  DC\_3A-21A-42C\_n257H  DC\_3A-21A-42C\_n257I  DC\_3A-21A-42D\_n257A  DC\_3A-21A-42D\_n257D  DC\_3A-21A-42D\_n257E  DC\_3A-21A-42D\_n257F | DC\_3A\_n257A  DC\_3A\_n257D  DC\_3A\_n257G  DC\_3A\_n257H  DC\_3A\_n257I  DC\_21A\_n257A  DC\_21A\_n257D  DC\_21A\_n257G  DC\_21A\_n257H  DC\_21A\_n257I  DC\_42A\_n257A  DC\_42A\_n257D  DC\_42A\_n257G  DC\_42A\_n257H  DC\_42A\_n257I |
| DC\_3A-28A-41A\_n257A  DC\_3A-28A-41A\_n257G  DC\_3A-28A-41A\_n257H  DC\_3A-28A-41A\_n257I  DC\_3A-28A-41C\_n257A  DC\_3A-28A-41C\_n257G  DC\_3A-28A-41C\_n257H  DC\_3A-28A-41C\_n257I | DC\_3A\_n257A  DC\_3A\_n257G  DC\_3A\_n257H  DC\_3A\_n257I  DC\_28A\_n257A  DC\_28A\_n257G  DC\_28A\_n257H  DC\_28A\_n257I  DC\_41A\_n257A  DC\_41A\_n257G  DC\_41A\_n257H  DC\_41A\_n257I  DC\_41C\_n257A  DC\_41C\_n257G  DC\_41C\_n257H  DC\_41C\_n257I |
| DC\_3A-28A-42A\_n257A  DC\_3A-28A-42A\_n257D  DC\_3A-28A-42A\_n257G  DC\_3A-28A-42A\_n257H  DC\_3A-28A-42A\_n257I  DC\_3A-28A-42C\_n257A  DC\_3A-28A-42C\_n257D  DC\_3A-28A-42C\_n257G  DC\_3A-28A-42C\_n257H  DC\_3A-28A-42C\_n257I | DC\_3A\_n257A  DC\_3A\_n257G  DC\_3A\_n257H  DC\_3A\_n257I  DC\_28A\_n257A  DC\_28A\_n257G  DC\_28A\_n257H  DC\_28A\_n257I  DC\_42A\_n257A  DC\_42A\_n257G  DC\_42A\_n257H  DC\_42A\_n257I  DC\_42C\_n257A  DC\_42C\_n257G  DC\_42C\_n257H  DC\_42C\_n257I |
| DC\_3A-41A-42A\_n257A  DC\_3A-41A-42A\_n257D  DC\_3A-41A-42A\_n257E  DC\_3A-41A-42A\_n257F  DC\_3A-41A-42A\_n257G  DC\_3A-41A-42A\_n257H  DC\_3A-41A-42A\_n257I  DC\_3A-41A-42A\_n257J  DC\_3A-41A-42A\_n257K  DC\_3A-41A-42A\_n257L  DC\_3A-41A-42A\_n257M  DC\_3A-41A-42C\_n257A  DC\_3A-41A-42C\_n257D  DC\_3A-41A-42C\_n257E  DC\_3A-41A-42C\_n257F  DC\_3A-41A-42C\_n257G  DC\_3A-41A-42C\_n257H  DC\_3A-41A-42C\_n257I  DC\_3A-41A-42C\_n257J  DC\_3A-41A-42C\_n257K  DC\_3A-41A-42C\_n257L  DC\_3A-41A-42C\_n257M  DC\_3A-41C-42A\_n257A  DC\_3A-41C-42A\_n257D  DC\_3A-41C-42A\_n257E  DC\_3A-41C-42A\_n257F  DC\_3A-41C-42A\_n257G  DC\_3A-41C-42A\_n257H  DC\_3A-41C-42A\_n257I  DC\_3A-41C-42A\_n257J  DC\_3A-41C-42A\_n257K  DC\_3A-41C-42A\_n257L  DC\_3A-41C-42A\_n257M  DC\_3A-41C-42C\_n257A  DC\_3A-41C-42C\_n257D  DC\_3A-41C-42C\_n257E  DC\_3A-41C-42C\_n257F  DC\_3A-41C-42C\_n257G  DC\_3A-41C-42C\_n257H  DC\_3A-41C-42C\_n257I  DC\_3A-41C-42C\_n257J  DC\_3A-41C-42C\_n257K  DC\_3A-41C-42C\_n257L  DC\_3A-41C-42C\_n257M | DC\_3A\_n257A  DC\_3A\_n257G  DC\_3A\_n257H  DC\_3A\_n257I  DC\_41A\_n257A  DC\_41A\_n257G  DC\_41A\_n257H  DC\_41A\_n257I  DC\_41C\_n257A  DC\_41C\_n257G  DC\_41C\_n257H  DC\_41C\_n257I  DC\_42A\_n257A  DC\_42A\_n257G  DC\_42A\_n257H  DC\_42A\_n257I  DC\_42C\_n257A  DC\_42C\_n257G  DC\_42C\_n257H  DC\_42C\_n257I |
| DC\_5A-30A-66A\_n260A  DC\_5A-30A-66A\_n260G  DC\_5A-30A-66A\_n260H  DC\_5A-30A-66A\_n260I  DC\_5A-30A-66A\_n260J  DC\_5A-30A-66A\_n260K  DC\_5A-30A-66A\_n260L  DC\_5A-30A-66A\_n260M | DC\_5A\_n260A  DC\_30A\_n260A  DC\_66A\_n260A |
| DC\_5A-30A-66A-66A\_n260A | DC\_5A\_n260A  DC\_30A\_n260A  DC\_66A\_n260A |
| DC\_12A-30A-66A\_n260A  DC\_12A-30A-66A\_n260G  DC\_12A-30A-66A\_n260H  DC\_12A-30A-66A\_n260I  DC\_12A-30A-66A\_n260J  DC\_12A-30A-66A\_n260K  DC\_12A-30A-66A\_n260L  DC\_12A-30A-66A\_n260M | DC\_12A\_n260A  DC\_30A\_n260A  DC\_66A\_n260A |
| DC\_12A-30A-66A-66A\_n260A | DC\_12A\_n260A  DC\_30A\_n260A  DC\_66A\_n260A |
| DC\_14A-30A-66A\_n260A  DC\_14A-30A-66A\_n260G  DC\_14A-30A-66A\_n260H  DC\_14A-30A-66A\_n260I  DC\_14A-30A-66A\_n260J  DC\_14A-30A-66A\_n260K  DC\_14A-30A-66A\_n260L  DC\_14A-30A-66A\_n260M | DC\_14A\_n260A  DC\_14A\_n260G  DC\_14A\_n260H  DC\_14A\_n260I  DC\_14A\_n260J  DC\_14A\_n260K  DC\_14A\_n260L  DC\_14A\_n260M  DC\_30A\_n260A  DC\_30A\_n260G  DC\_30A\_n260H  DC\_30A\_n260I  DC\_30A\_n260J  DC\_30A\_n260K  DC\_30A\_n260L  DC\_30A\_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\_14A-30A-66A-66A\_n260A  DC\_14A-30A-66A-66A\_n260G  DC\_14A-30A-66A-66A\_n260H  DC\_14A-30A-66A-66A\_n260I  DC\_14A-30A-66A-66A\_n260J  DC\_14A-30A-66A-66A\_n260K  DC\_14A-30A-66A-66A\_n260L  DC\_14A-30A-66A-66A\_n260M | DC\_14A\_n260A  DC\_14A\_n260G  DC\_14A\_n260H  DC\_14A\_n260I  DC\_14A\_n260J  DC\_14A\_n260K  DC\_14A\_n260L  DC\_14A\_n260M  DC\_30A\_n260A  DC\_30A\_n260G  DC\_30A\_n260H  DC\_30A\_n260I  DC\_30A\_n260J  DC\_30A\_n260K  DC\_30A\_n260L  DC\_30A\_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\_19A-21A-42A\_n257A2  DC\_19A-21A-42A\_n257D2  DC\_19A-21A-42A\_n257E2  DC\_19A-21A-42A\_n257F2  DC\_19A-21A-42A\_n257G2  DC\_19A-21A-42A\_n257H2  DC\_19A-21A-42A\_n257I2  DC\_19A-21A-42C\_n257A2  DC\_19A-21A-42C\_n257D2  DC\_19A-21A-42C\_n257E2  DC\_19A-21A-42C\_n257F2  DC\_19A-21A-42C\_n257G2  DC\_19A-21A-42C\_n257H2  DC\_19A-21A-42C\_n257I2 | DC\_19A\_n257A  DC\_19A\_n257D  DC\_19A\_n257G  DC\_19A\_n257H  DC\_19A\_n257I  DC\_21A\_n257A  DC\_21A\_n257D  DC\_21A\_n257G  DC\_21A\_n257H  DC\_21A\_n257I  DC\_42A\_n257A  DC\_42A\_n257D  DC\_42A\_n257G  DC\_42A\_n257H  DC\_42A\_n257I |
| DC\_21A-28A-42A\_n257A2  DC\_21A-28A-42C\_n257A2 | DC\_21A\_n257A  DC\_28A\_n257A  DC\_42A\_n257A |
| DC\_28A-41A-42A\_n257A  DC\_28A-41A-42A\_n257G  DC\_28A-41A-42A\_n257H  DC\_28A-41A-42A\_n257I  DC\_28A-41C-42A\_n257A  DC\_28A-41C-42A\_n257G  DC\_28A-41C-42A\_n257H  DC\_28A-41C-42A\_n257I  DC\_28A-41A-42C\_n257A  DC\_28A-41A-42C\_n257G  DC\_28A-41A-42C\_n257H  DC\_28A-41A-42C\_n257I  DC\_28A-41C-42C\_n257A  DC\_28A-41C-42C\_n257G  DC\_28A-41C-42C\_n257H  DC\_28A-41C-42C\_n257I | DC\_28A\_n257A  DC\_28A\_n257G  DC\_28A\_n257H  DC\_28A\_n257I  DC\_41A\_n257A  DC\_41A\_n257G  DC\_41A\_n257H  DC\_41A\_n257I  DC\_41C\_n257A  DC\_41C\_n257G  DC\_41C\_n257H  DC\_41C\_n257I  DC\_42A\_n257A  DC\_42A\_n257G  DC\_42A\_n257H  DC\_42A\_n257I  DC\_42C\_n257A  DC\_42C\_n257G  DC\_42C\_n257H  DC\_42C\_n257I |
| NOTE 1: Uplink EN-DC configurations are the configurations supported by the present release of specifications.  NOTE 2: Applicable for UE supporting inter-band EN-DC with mandatory simultaneous Rx/Tx capability | |

#### 5.5B.5a.3 Inter-band NE-DC configurations including FR2 (four bands)

Table 5.5B.5a.3-1: Inter-band NE-DC configurations including FR2 (four bands)

| NE-DC configuration | Uplink NE-DC configuration (NOTE 1) |
| --- | --- |
| DC\_n257A\_1A-3A-5A  DC\_n257G\_1A-3A-5A  DC\_n257H\_1A-3A-5A  DC\_n257I\_1A-3A-5A  DC\_n257J\_1A-3A-5A  DC\_n257K\_1A-3A-5A  DC\_n257L\_1A-3A-5A  DC\_n257M\_1A-3A-5A | DC\_n257A\_1A  DC\_n257A\_3A  DC\_n257A\_5A |
| DC\_n257A\_1A-3A-7A  DC\_n257G\_1A-3A-7A  DC\_n257H\_1A-3A-7A  DC\_n257I\_1A-3A-7A  DC\_n257J\_1A-3A-7A  DC\_n257K\_1A-3A-7A  DC\_n257L\_1A-3A-7A  DC\_n257M\_1A-3A-7A | DC\_n257A\_1A  DC\_n257A\_3A  DC\_n257A\_7A |
| DC\_n257A\_1A-3A-7A-7A  DC\_n257G\_1A-3A-7A-7A  DC\_n257H\_1A-3A-7A-7A  DC\_n257I\_1A-3A-7A-7A  DC\_n257J\_1A-3A-7A-7A  DC\_n257K\_1A-3A-7A-7A  DC\_n257L\_1A-3A-7A-7A  DC\_n257M\_1A-3A-7A-7A | DC\_n257A\_1A  DC\_n257A\_3A  DC\_n257A\_7A |
| DC\_n257A\_1A-3A-8A  DC\_n257G\_1A-3A-8A  DC\_n257H\_1A-3A-8A  DC\_n257I\_1A-3A-8A  DC\_n257J\_1A-3A-8A  DC\_n257K\_1A-3A-8A  DC\_n257L\_1A-3A-8A  DC\_n257M\_1A-3A-8A  DC\_n257A\_1A-3C-8A  DC\_n257G\_1A-3C-8A  DC\_n257H\_1A-3C-8A  DC\_n257I\_1A-3C-8A  DC\_n257J\_1A-3C-8A  DC\_n257K\_1A-3C-8A  DC\_n257L\_1A-3C-8A  DC\_n257M\_1A-3C-8A | DC\_n257A\_1A  DC\_n257A\_3A  DC\_n257A\_8A |
| DC\_n257A\_1A-5A-7A  DC\_n257G\_1A-5A-7A  DC\_n257H\_1A-5A-7A  DC\_n257I\_1A-5A-7A  DC\_n257J\_1A-5A-7A  DC\_n257K\_1A-5A-7A  DC\_n257L\_1A-5A-7A  DC\_n257M\_1A-5A-7A | DC\_n257A\_1A  DC\_n257A\_5A  DC\_n257A\_7A |
| DC\_n257A\_1A-5A-7A-7A  DC\_n257G\_1A-5A-7A-7A  DC\_n257H\_1A-5A-7A-7A  DC\_n257I\_1A-5A-7A-7A  DC\_n257J\_1A-5A-7A-7A  DC\_n257K\_1A-5A-7A-7A  DC\_n257L\_1A-5A-7A-7A  DC\_n257M\_1A-5A-7A-7A | DC\_n257A\_1A  DC\_n257A\_5A  DC\_n257A\_7A |
| DC\_n257A\_3A-5A-7A  DC\_n257G\_3A-5A-7A  DC\_n257H\_3A-5A-7A  DC\_n257I\_3A-5A-7A  DC\_n257J\_3A-5A-7A  DC\_n257K\_3A-5A-7A  DC\_n257L\_3A-5A-7A  DC\_n257M\_3A-5A-7A | DC\_n257A\_3A  DC\_n257A\_5A  DC\_n257A\_7A |
| DC\_n257A\_3A-5A-7A-7A  DC\_n257G\_3A-5A-7A-7A  DC\_n257H\_3A-5A-7A-7A  DC\_n257I\_3A-5A-7A-7A  DC\_n257J\_3A-5A-7A-7A  DC\_n257K\_3A-5A-7A-7A  DC\_n257L\_3A-5A-7A-7A  DC\_n257M\_3A-5A-7A-7A | DC\_n257A\_3A  DC\_n257A\_5A  DC\_n257A\_7A |
| NOTE 1: Uplink NE-DC configurations are the configurations supported by the presNEt release of specifications.  NOTE 2: Applicable for UE supporting inter-band NE-DC with mandatory simultaneous Rx/Tx capability | |

---Text omitted---

Table 6.2B.4.2.3.3-1: ΔTIB,c due to EN-DC(four bands)

| Inter-band EN-DC configuration | E-UTRA or NR Band | ΔTIB,c (dB) |
| --- | --- | --- |
| DC\_1-3\_n3-n41 | 1 | 0.5 |
|  | 3 | 0.5 |
|  | n3 | 0.5 |
|  | n41 | 0.33/0.84 |
| DC\_1-3\_n3-n77 | 1 | 0.6 |
|  | 3 | 0.6 |
|  | n3 | 0.6 |
|  | n77 | 0.8 |
| DC\_1-3\_n3-n78 | 1 | 0.6 |
|  | 3 | 0.6 |
|  | n3 | 0.6 |
|  | n78 | 0.8 |
| DC\_1-3-5\_n78 | 1 | 0.6 |
|  | 3 | 0.6 |
|  | 5 | 0.3 |
|  | n78 | 0.8 |
| DC\_1-3-5\_n79 | 1 | 0.3 |
|  | 3 | 0.3 |
|  | 5 | 0.3 |
| DC\_1-3-7\_n5 | 1 | 0.6 |
|  | 3 | 0.6 |
|  | 7 | 0.6 |
|  | n5 | 0.3 |
| DC\_1-3-7\_n7 | 1 | 0.6 |
|  | 3 | 0.6 |
|  | 7 | 0.6 |
|  | n7 | 0.6 |
| DC\_1-3-7\_n8 | 1 | 0.6 |
|  | 3 | 0.6 |
|  | 7 | 0.6 |
|  | n8 | 0.3 |
| DC\_1-3-7\_n28 | 1 | 0.6 |
|  | 3 | 0.6 |
|  | 7 | 0.6 |
|  | n28 | 0.6 |
| DC\_1-3-7\_n40 | 1 | 0.6 |
|  | 3 | 0.6 |
|  | 7 | 0.8 |
|  | n40 | 0.9 |
| DC\_1-3-7\_n78  DC\_1-3-7-7\_n78  DC\_1-3\_n7-n78 | 1 | 0.7 |
|  | 3 | 0.7 |
|  | 7 or n7 | 0.7 |
|  | n78 | 0.8 |
| DC\_1-3-8\_n28 | 1 | 0.3 |
|  | 3 | 0.3 |
|  | 8 | 0.6 |
|  | n28 | 0.6 |
| DC\_1-3-8\_n77 | 1 | 0.6 |
|  | 3 | 0.6 |
|  | 8 | 0.6 |
|  | n77 | 0.8 |
| DC\_1-3-8\_n78 | 1 | 0.6 |
|  | 3 | 0.6 |
|  | 8 | 0.6 |
|  | n78 | 0.8 |
| DC\_1-3-8\_n79 | 1 | 0.3 |
|  | 3 | 0.3 |
|  | 8 | 0.3 |
| DC\_1-3-11\_n28 | 1 | 0.3 |
|  | 3 | 0.8 |
|  | 11 | 0.9 |
|  | n28 | 0.6 |
| DC\_1-3-11\_n77 | 1 | 0.6 |
|  | 3 | 0.8 |
|  | 11 | 0.9 |
|  | n77 | 0.8 |
| DC\_1-3-18\_n3 | 1 | 0.3 |
|  | 3 | 0.3 |
|  | 18 | 0.3 |
|  | n3 | 0.3 |
| DC\_1-3-18\_n28 | 1 | 0.3 |
|  | 3 | 0.3 |
|  | 18 | 0.3 |
|  | n28 | 0.6 |
| DC\_1-3-18-n41 | 1 | 0.3 |
|  | 3 | 0.3 |
|  | 18 | 0.3 |
|  | n41 | 0.37 |
| DC\_1-3-28\_n5 | 1 | 0.3 |
|  | 3 | 0.3 |
|  | 28 | 0.6 |
|  | n5 | 0.6 |
| DC\_1-3-28\_n7 | 1 | 0.6 |
|  | 3 | 0.6 |
|  | 28 | 0.6 |
|  | n7 | 0.6 |
| DC\_1-3-28\_n40 | 1 | 0.5 |
|  | 3 | 0.5 |
|  | 28 | 0.6 |
|  | n40 | 0.5 |
| DC\_1-3-18\_n77 | 1 | 0.6 |
|  | 3 | 0.6 |
|  | 18 | 0.3 |
|  | n77 | 0.8 |
| DC\_1-3-18\_n78 | 1 | 0.6 |
|  | 3 | 0.6 |
|  | 18 | 0.3 |
|  | n78 | 0.8 |
| DC\_1-3-18\_n79 | 1 | 0.3 |
|  | 3 | 0.3 |
|  | 18 | 0.3 |
| DC\_1-3-19\_n78 | 1 | 0.6 |
|  | 3 | 0.6 |
|  | 19 | 0.3 |
|  | n78 | 0.8 |
| DC\_1-3-19\_n79 | 1 | 0.3 |
|  | 3 | 0.3 |
|  | 19 | 0.3 |
| DC\_1-3-20\_n8 | 1 | 0.6 |
|  | 3 | 0.6 |
|  | 20 | 0.6 |
|  | n8 | 0.6 |
| DC\_1-3-20\_n28 | 1 | 0.3 |
|  | 3 | 0.3 |
|  | 20 | 0.6 |
|  | n28 | 0.6 |
| DC\_1-3-20\_n38 | 1 | 0.5 |
|  | 3 | 0.5 |
|  | 20 | 0.5 |
|  | n38 | 0.5 |
| DC\_1-3-20\_n41 | 1 | 0.5 |
|  | 3 | 0.5 |
|  | 20 | 0.3 |
|  | n41 | 0.81 |
|  |  | 1.32 |
| DC\_1-3-20\_n78 | 1 | 0.6 |
|  | 3 | 0.6 |
|  | 20 | 0.3 |
|  | n78 | 0.8 |
| DC\_1-3-21\_n77 | 1 | 0.6 |
|  | 3 | 0.8 |
|  | 21 | 0.9 |
|  | n77 | 0.8 |
| DC\_1-3-21\_n78 | 1 | 0.6 |
|  | 3 | 0.8 |
|  | 21 | 0.9 |
|  | n78 | 0.8 |
| DC\_1-3-21\_n79 | 1 | 0.3 |
|  | 3 | 0.8 |
|  | 21 | 0.9 |
| DC\_1-3-32\_n78 | 1 | 0.6 |
|  | 3 | 0.6 |
|  | n78 | 0.8 |
| DC\_1-3-28\_n77  DC\_1\_n3-n28-n77 | 1 | 0.6 |
|  | 3 or n3 | 0.6 |
|  | 28 or n28 | 0.6 |
|  | n77 | 0.8 |
| DC\_1-3-28\_n78  DC\_1-3\_n28-n78 | 1 | 0.6 |
|  | 3 | 0.6 |
|  | 28 or n28 | 0.6 |
|  | n78 | 0.8 |
| DC\_1-3-28\_n79 | 1 | 0.6 |
|  | 3 | 0.6 |
|  | 28 | 0.6 |
| DC\_1-3\_n28-n77 | 1 | 0.6 |
|  | 3 | 0.6 |
|  | n28 | 0.6 |
|  | n77 | 0.8 |
| DC\_1-3\_n38-n78 | 1 | 0.5 |
|  | 3 | 0.6 |
|  | n38 | 0.6 |
|  | n78 | 0.8 |
| DC\_1-3\_n40-n78 | 1 | 0.5 |
|  | 3 | 0.6 |
|  | n40 | 0.36 |
|  | n78 | 0.86 |
| DC\_1-3-40\_n78 | 1 | 0.6 |
|  | 3 | 0.6 |
|  | 40 | 0.39 |
|  | n78 | 0.89 |
| DC\_1-3-41\_n3 | 1 | 0.5 |
|  | 3 | 0.5 |
|  | 41 | 0.34/0.85 |
|  | n3 | 0.5 |
| DC\_1-3-41\_n28 | 1 | 0.5 |
|  | 3 | 0.5 |
|  | 41 | 0.34/0.85 |
|  | n28 | 0.6 |
| DC\_1-3-41\_n41 | 1 | 0.5 |
|  | 3 | 0.5 |
|  | 41 | 0.34/0.85 |
|  | n41 | 0.34/0.85 |
| DC\_1-3\_(n)41 | 1 | 0.5 |
|  | 3 | 0.5 |
|  | 41 | 0.34/0.85 |
|  | n41 | 0.34/0.85 |
| DC\_1-3-41\_n77  DC\_1-3\_n41-n77 | 1 | 0.6 |
|  | 3 | 0.6 |
|  | 41/n41 | 0.5 |
|  | n77 | 0.8 |
| DC\_1-3-41\_n78  DC\_1-3\_n41-n78 | 1 | 0.6 |
|  | 3 | 0.6 |
|  | 41 or n41 | 0.5 |
|  | n78 | 0.8 |
| DC\_1-3-41\_n79 | 1 | 0.5 |
|  | 3 | 0.5 |
|  | 41 | 0.34/0.85 |
| DC\_1-3-42\_n28 | 1 | 0.6 |
|  | 3 | 0.6 |
|  | 42 | 0.8 |
|  | n28 | 0.8 |
| DC\_1-3-42\_n77 | 1 | 0.6 |
|  | 3 | 0.6 |
|  | 42 | 0.8 |
|  | n77 | 0.8 |
| DC\_1-3-42\_n78 | 1 | 0.6 |
|  | 3 | 0.6 |
|  | 42 | 0.8 |
|  | n78 | 0.8 |
| DC\_1-3-42\_n79 | 1 | 0.6 |
|  | 3 | 0.6 |
|  | 42 | 0.8 |
| DC\_1-3\_n77-n79 | 1 | 0.6 |
|  | 3 | 0.6 |
|  | n77 | 0.8 |
| DC\_1-3\_n78-n79 | 1 | 0.6 |
|  | 3 | 0.6 |
|  | n78 | 0.8 |
| DC\_1-3\_SUL\_n78-n80 | 1 | 0.6 |
|  | 3, n80 | 0.6 |
|  | n78 | 0.8 |
| DC\_1-5-7\_n78  DC\_1-5-7-7\_n78 | 1 | 0.6 |
|  | 5 | 0.6 |
|  | 7 | 0.6 |
|  | n78 | 0.8 |
| DC\_1-5-41\_n79 | 1 | 0.5 |
|  | 5 | 0.3 |
|  | 41 | 0.5 |
| DC\_1-7-8\_n3 | 1 | 0.6 |
|  | 7 | 0.6 |
|  | 8 | 0.3 |
|  | n3 | 0.6 |
| DC\_1-7-8\_n28 | 1 | 0.5 |
|  | 7 | 0.6 |
|  | 8 | 0.6 |
|  | n28 | 0.6 |
| DC\_1-7\_n3-n78 | 1 | 0.5 |
|  | 7 | 0.2 |
|  | n3 | 0.6 |
|  | n78 | 0.8 |
| DC\_1-7\_n7-n78 | 1 | 0.6 |
|  | 7 | 0.6 |
|  | n7 | 0.6 |
|  | n78 | 0.8 |
| DC\_1-7-8\_n78 | 1 | 0.6 |
|  | 7 | 0.6 |
|  | 8 | 0.6 |
|  | n78 | 0.8 |
| DC\_1-7-20\_n3 | 1 | 0.3 |
|  | 7 | 0.5 |
|  | 20 | 0.3 |
|  | n3 | 0.5 |
| DC\_1-7-20\_n8 | 1 | 0.6 |
|  | 7 | 0.6 |
|  | 20 | 0.6 |
|  | n8 | 0.6 |
| DC\_1-7-20\_n28 | 1 | 0.5 |
|  | 7 | 0.6 |
|  | 20 | 0.6 |
|  | n28 | 0.6 |
| DC\_1-7-20\_n78 | 1 | 0.6 |
|  | 7 | 0.7 |
|  | 20 | 0.4 |
|  | n78 | 0.8 |
| DC\_1-7-28\_n3 | 1 | 0.6 |
|  | 7 | 0.6 |
|  | 28 | 0.6 |
|  | n3 | 0.6 |
| DC\_1-7-28\_n5 | 1 | 0.3 |
|  | 7 | 0.3 |
|  | 28 | 0.6 |
|  | n5 | 0.6 |
| DC\_1-7-28\_n7 | 1 | 0.5 |
|  | 7 | 0.6 |
|  | 28 | 0.6 |
|  | n7 | 0.6 |
| DC\_1-7-28\_n40 | 1 | 0.6 |
|  | 7 | 0.8 |
|  | 28 | 0.6 |
|  | n40 | 0.9 |
| DC\_1-7-28\_n78 | 1 | 0.6 |
|  | 7 | 0.6 |
|  | 28 | 0.6 |
|  | n78 | 0.8 |
| DC\_1-7\_n28-n78 | 1 | 0.6 |
|  | 7 | 0.6 |
|  | n28 | 0.6 |
|  | n78 | 0.8 |
| DC\_1-7-32\_n28 | 1 | 0.5 |
|  | 7 | 0.6 |
|  | n28 | 0.7 |
| DC\_1-7-40\_n78 | 1 | 0.6 |
|  | 7 | 0.5 |
|  | 40 | 0.39 |
|  | n78 | 0.89 |
| DC\_1-7\_n40-n78 | 1 | 0.6 |
|  | 7 | 0.5 |
|  | n40 | 0.5 |
|  | n78 | 0.8 |
| DC\_1-8\_n3-n28 | 1 | 0.3 |
|  | 8 | 0.6 |
|  | n3 | 0.3 |
|  | n28 | 0.6 |
| DC\_1-8\_n3-n77 | 1 | 0.6 |
|  | 8 | 0.6 |
|  | n3 | 0.8 |
|  | n77 | 0.8 |
| DC\_1-8-11\_n3 | 1 | 0.3 |
|  | 8 | 0.3 |
|  | 11 | 0.8 |
|  | n3 | 0.9 |
| DC\_1-8-11\_n28 | 1 | 0.3 |
|  | 8 | 0.6 |
|  | 11 | 0.4 |
|  | n28 | 0.6 |
| DC\_1-8-11\_n77 | 1 | 0.6 |
|  | 8 | 0.6 |
|  | 11 | 0.4 |
|  | n77 | 0.8 |
| DC\_1-8-11\_n78 | 1 | 0.3 |
|  | 8 | 0.6 |
|  | 11 | 0.4 |
|  | n78 | 0.8 |
| DC\_1-8-20\_n78 | 1 | 0.3 |
|  | 8 | 0.6 |
|  | 20 | 0.6 |
|  | n78 | 0.8 |
| DC\_1-8\_n28-n77 | 1 | 0.6 |
|  | 8 | 0.6 |
|  | n28 | 0.6 |
|  | n77 | 0.8 |
| DC\_1-8-40\_n78 | 1 | 0.6 |
|  | 8 | 0.6 |
|  | 40 | 0.39 |
|  | n78 | 0.89 |
| DC\_1-8-42\_n3 | 1 | 0.3 |
|  | 8 | 0.6 |
|  | 42 | 0.8 |
|  | n3 | 0.6 |
| DC\_1-8-42\_n28 | 1 | 0.3 |
|  | 8 | 0.6 |
|  | 42 | 0.8 |
|  | n28 | 0.8 |
| DC\_1-8\_n40-n78 | 1 | 0.5 |
|  | 8 | 0.3 |
|  | n40 | 0.5 |
|  | n78 | 0.8 |
| DC\_1-8-42\_n77 | 1 | 0.6 |
|  | 8 | 0.6 |
|  | 42 | 0.8 |
|  | n77 | 0.8 |
| DC\_1-11\_n3-n28 | 1 | 0.3 |
|  | 11 | 0.8 |
|  | n3 | 0.9 |
|  | n28 | 0.6 |
| DC\_1-11-18\_n77 | 1 | 0.6 |
|  | 11 | 0.4 |
|  | 18 | 0.3 |
|  | n77 | 0.8 |
| DC\_1-11-18\_n78 | 1 | 0.3 |
|  | 11 | 0.4 |
|  | 18 | 0.3 |
|  | n78 | 0.8 |
| DC\_1-18\_n3-n41 | 1 | 0.3 |
|  | 18 | 0.3 |
|  | n3 | 0.3 |
|  | n41 | 0.31 |
| DC\_1-18\_n3-n77 | 1 | 0.6 |
|  | 18 | 0.3 |
|  | n3 | 0.6 |
|  | n77 | 0.8 |
| DC\_1-18\_n3-n78 | 1 | 0.6 |
|  | 18 | 0.3 |
|  | n3 | 0.6 |
|  | n78 | 0.8 |
| DC\_1-18\_n28-n41 | 1 | 0.3 |
|  | 18 | 0.3 |
|  | n28 | 0.5 |
|  | n41 | 0.31 |
| DC\_1-18-28\_n77  DC\_1-18\_n28-n77 | 1 | 0.3 |
|  | 18 | 0.5 |
|  | 28 | 0.5 |
|  | n77 | 0.8 |
| DC\_1-18-28\_n78  DC\_1-18\_n28-n78 | 1 | 0.3 |
|  | 18 | 0.5 |
|  | 28 | 0.5 |
|  | n78 | 0.8 |
| DC\_1-18-28\_n79 | 1 | 0.3 |
|  | 18 | 0.5 |
|  | 28 | 0.5 |
| DC\_1-18-41\_n3 | 1 | 0.5 |
|  | 18 | 0.3 |
|  | 41 | 0.37/0.88 |
|  | n3 | 0.5 |
| DC\_1-18-41\_n77  DC\_1-18\_n41-n77 | 1 | 0.6 |
|  | 18 | 0.3 |
|  | 41/n41 | 0.5 |
|  | n77 | 0.8 |
| DC\_1-18-41\_n78  DC\_1-18\_n41-n78 | 1 | 0.5 |
|  | 18 | 0.3 |
|  | 41/n41 | 0.5 |
|  | n78 | 0.8 |
| DC\_1-18-41\_n3 | 1 | 0.5 |
|  | 18 | 0.3 |
|  | 41 | 0.34/0.85 |
|  | n3 | 0.5 |
| DC\_1-18-42\_n77 | 1 | 0.3 |
|  | 18 | 0.3 |
|  | 42 | 0.8 |
|  | n77 | 0.8 |
| DC\_1-18-42\_n78 | 1 | 0.3 |
|  | 18 | 0.3 |
|  | 42 | 0.8 |
|  | n78 | 0.8 |
| DC\_1-18-42\_n79 | 1 | 0.3 |
|  | 18 | 0.3 |
|  | 42 | 0.8 |
| DC\_1-19-42\_n77 | 1 | 0.6 |
|  | 19 | 0.3 |
|  | 42 | 0.8 |
|  | n77 | 0.8 |
| DC\_1-19-42\_n78 | 1 | 0.3 |
|  | 19 | 0.3 |
|  | 42 | 0.8 |
|  | n78 | 0.8 |
| DC\_1-19-42\_n79 | 1 | 0.3 |
|  | 19 | 0.3 |
|  | 42 | 0.8 |
| DC\_1-19\_n77-n79 | 1 | 0.3 |
|  | 19 | 0.3 |
|  | n77 | 0.8 |
| DC\_1-19\_n78-n79 | 1 | 0.3 |
|  | 19 | 0.3 |
|  | n78 | 0.8 |
| DC\_1-20\_n3-n38 | 1 | 0.5 |
|  | 20 | 0.3 |
|  | n3 | 0.3 |
|  | n38 | 0.5 |
| DC\_1-20\_n3-n78 | 1 | 0.3 |
|  | 20 | 0.6 |
|  | n3 | 0.3 |
|  | n78 | 0.8 |
| DC\_1-20\_n28-n78 | 1 | 0.3 |
|  | 20 | 0.6 |
|  | n28 | 0.6 |
|  | n78 | 0.8 |
| DC\_1-20-32\_n3 | 1 | 0.5 |
|  | 20 | 0.3 |
|  | n3 | 0.5 |
| DC\_1-20\_(n)38 | 1 | 0.5 |
|  | 20 | 0.3 |
|  | 38 | 0.5 |
|  | n38 | 0.5 |
| DC\_1-20-38\_n78 | 1 | 0.3 |
|  | 20 | 0.6 |
|  | n78 | 0.8 |
| DC\_1-20-40\_n78 | 1 | 0.5 |
|  | 20 | 0.3 |
|  | 40 | 0.59 |
|  | n78 | 0.89 |
| DC\_1-20\_n41-n78 | 1 | 0.5 |
|  | 20 | 0.3 |
|  | n41 | 0.5 |
|  | n78 | 0.8 |
| DC\_1-21-28\_n77 | 1 | 0.6 |
|  | 21 | 0.4 |
|  | 28 | 0.6 |
|  | n77 | 0.8 |
| DC\_1-21-28\_n78 | 1 | 0.3 |
|  | 21 | 0.4 |
|  | 28 | 0.6 |
|  | n78 | 0.8 |
| DC\_1-21-28\_n79 | 1 | 0.3 |
|  | 21 | 0.4 |
|  | 28 | 0.6 |
| DC\_1-21-42\_n77 | 1 | 0.6 |
|  | 21 | 0.4 |
|  | 42 | 0.8 |
|  | n77 | 0.8 |
| DC\_1-21-42\_n78 | 1 | 0.3 |
|  | 21 | 0.4 |
|  | 42 | 0.8 |
|  | n78 | 0.8 |
| DC\_1-21-42\_n79 | 1 | 0.3 |
|  | 21 | 0.4 |
|  | 42 | 0.8 |
| DC\_1-21\_n77-n79 | 1 | 0.3 |
|  | 21 | 0.3 |
|  | n77 | 0.8 |
| DC\_1-21\_n78-n79 | 1 | 0.3 |
|  | 21 | 0.3 |
|  | n78 | 0.8 |
| DC\_1-28\_n3-n77 | 1 | 0.6 |
|  | 28 | 0.6 |
|  | n3 | 0.6 |
|  | n77 | 0.8 |
| DC\_1-28\_n3-n78 | 1 | 0.6 |
|  | 28 | 0.6 |
|  | n3 | 0.6 |
|  | n78 | 0.8 |
| DC\_1-28\_n7-n78 | 1 | 0.6 |
|  | 28 | 0.6 |
|  | n7 | 0.6 |
|  | n78 | 0.8 |
| DC\_1-28\_n40-n78 | 1 | 0.5 |
|  | 28 | 0.5 |
|  | n40 | 0.36 |
|  | n78 | 0.86 |
| DC\_1-28-42\_n77 | 1 | 0.6 |
|  | 28 | 0.6 |
|  | 42 | 0.8 |
|  | n77 | 0.8 |
| DC\_1-28-42\_n78 | 1 | 0.3 |
|  | 28 | 0.6 |
|  | 42 | 0.8 |
|  | n78 | 0.8 |
| DC\_1-28-42\_n79 | 1 | 0.3 |
|  | 28 | 0.6 |
|  | 42 | 0.8 |
| DC\_1-41\_n3-n41 | 1 | 0.5 |
|  | 41 | 0.34/0.85 |
|  | n3 | 0.5 |
|  | n41 | 0.34/0.85 |
| DC\_1-41\_n3-n77 | 1 | 0.6 |
|  | 41 | 0.34/0.85 |
|  | n3 | 0.6 |
|  | n77 | 0.8 |
| DC\_1-41\_n3-n78 | 1 | 0.6 |
|  | 41 | 0.34/0.85 |
|  | n3 | 0.6 |
|  | n78 | 0.8 |
| DC\_1-41\_n28-n41 | 1 | 0.5 |
|  | 41 | 0.34/0.85 |
|  | n28 | 0.5 |
|  | n41 | 0.34/0.85 |
| DC\_1-41\_n28-n77 | 1 | 0.6 |
|  | 41 | 0.5 |
|  | n28 | 0.5 |
|  | n77 | 0.8 |
| DC\_1-41\_n28-n78 | 1 | 0.5 |
|  | 41 | 0.5 |
|  | n28 | 0.5 |
|  | n78 | 0.8 |
| DC\_1-41\_n41-n77 | 1 | 0.5 |
|  | 41 | 0.5 |
|  | n41 | 0.5 |
|  | n77 | 0.8 |
| DC\_1-41\_n41-n78 | 1 | 0.5 |
|  | 41 | 0.5 |
|  | n41 | 0.5 |
|  | n78 | 0.8 |
| DC\_1-41-42\_n77 | 1 | 0.5 |
|  | 41 | 0.5 |
|  | 42 | 0.8 |
|  | n77 | 0.8 |
| DC\_1-41-42\_n78 | 1 | 0.5 |
|  | 41 | 0.5 |
|  | 42 | 0.8 |
|  | n78 | 0.8 |
| DC\_1-41-42\_n79 | 1 | 0.5 |
|  | 41 | 0.5 |
|  | 42 | 0.8 |
| DC\_1-42\_n77-n79 | 1 | 0.6 |
|  | 42 | 0.8 |
|  | n77 | 0.8 |
| DC\_1-42\_n28-n77 | 1 | 0.6 |
|  | 42 | 0.8 |
|  | n28 | 0.8 |
|  | n77 | 0.8 |
| DC\_1-42\_n78-n79 | 1 | 0.3 |
|  | 42 | 0.8 |
|  | n78 | 0.8 |
| DC\_2-4-7\_n28 | 2 | 0.5 |
|  | 4 | 0.5 |
|  | 7 | 0.5 |
|  | n28 | 0.6 |
| DC\_2-5-7\_n2 | 2 | 0.5 |
|  | 5 | 0.3 |
|  | 7 | 0.5 |
|  | n2 | 0.3 |
| DC\_2-5-7\_n7 | 2 | 0.5 |
|  | 5 | 0.3 |
|  | 7 | 0.5 |
|  | n7 | 0.5 |
| DC\_2-5-7\_n66 DC\_2-2-5-7\_n66  DC\_2-5-7-7\_n66 | 2 | 0.5 |
|  | 5 | 0.3 |
|  | 7 | 0.5 |
|  | n66 | 0.5 |
| DC\_2-5\_(n)12 | 2 | 0.3 |
|  | 5 | 0.8 |
|  | 12 | 0.4 |
|  | n12 | 0.4 |
| DC\_2-12\_(n)5 | 5 | 0.5 |
|  | 12 | 0.3 |
|  | n5 | 0.5 |
| DC\_2-5-48\_n12 | 2 | 0.6 |
|  | 5 | 0.8 |
|  | 48 | 0.8 |
|  | n12 | 0.4 |
| DC\_2-5-48\_n71 | 2 | 0.6 |
|  | 5 | 0.5 |
|  | 48 | 0.8 |
|  | n71 | 0.5 |
| DC\_2-5-66\_n2 | 2 | 0.5 |
|  | 5 | 0.3 |
|  | 66 | 0.5 |
|  | n2 | 0.5 |
| DC\_2-5-66\_n5 | 2 | 0.5 |
|  | 5 | 0.3 |
|  | 66 | 0.5 |
|  | n5 | 0.3 |
| DC\_2-5-66\_n7 | 2 | 0.5 |
|  | 5 | 0.3 |
|  | 66 | 0.5 |
|  | n7 | 0.5 |
| DC\_2-5-66\_n12 | 2 | 0.3 |
|  | 5 | 0.5 |
|  | 66 | 0.5 |
|  | n12 | 0.3 |
| DC\_2-5-66\_n66  DC\_2-5-5-66\_n66  DC\_2-5-66-66\_n66  DC\_2-2-5-66-66\_n66  DC\_2-5-5-66-66\_n66 | 2 | 0.5 |
|  | 5 | 0.3 |
|  | 66 | 0.5 |
|  | n66 | 0.5 |
| DC\_2-5-66\_n71 | 2 | 0.5 |
|  | 5 | 0.5 |
|  | 66 | 0.5 |
|  | n71 | 0.5 |
| DC\_2-5-66\_n77  DC\_2-2-5-66\_n77  DC\_2-5-66-66\_n77 | 2 | 0.5 |
|  | 5 | 0.3 |
|  | 66 | 0.5 |
|  | n77 | 0.8 |
| DC\_2-7\_n38-n66  DC\_2-7-7\_n38-n66 | 2 | 0.5 |
|  | n66 | 0.5 |
| DC\_2-7\_n38-n78  DC\_2-7-7\_n38-n78 | 2 | 0.6 |
|  | n78 | 0.8 |
| DC\_2-7-12\_n2 | 2 | 0.5 |
|  | 7 | 0.5 |
|  | 12 | 0.3 |
|  | n2 | 0.5 |
| DC\_2-7-12\_n66 DC\_2-2-7-12\_n66 | 2 | 0.5 |
|  | 7 | 0.5 |
|  | 12 | 0.8 |
|  | n66 | 0.5 |
| DC\_2-7-12\_n78 DC\_2-2-7-12\_n78 | 2 | 0.6 |
|  | 7 | 0.6 |
|  | 12 | 0.6 |
|  | n78 | 0.8 |
| DC\_2-7-13\_n66  DC\_2-7-7-13\_n66  DC\_2-2-7-7-13\_n66 | 2 | 0.5 |
|  | 7 | 0.5 |
|  | 13 | 0.3 |
|  | n66 | 0.5 |
| DC\_2-7-28\_n7 | 2 | 0.5 |
|  | 7 | 0.5 |
|  | 28 | 0.3 |
|  | n7 | 0.5 |
| DC\_2-7-28\_n66 | 2 | 0.5 |
|  | 7 | 0.5 |
|  | 28 | 0.6 |
|  | n66 | 0.5 |
| DC\_2-7-66\_n2 | 2 | 0.5 |
|  | 7 | 0.5 |
|  | 66 | 0.5 |
|  | n2 | 0.5 |
| DC\_2-7-66\_n7  DC\_2-7-66-66\_n7 | 2 | 0.5 |
|  | 7 | 0.5 |
|  | 66 | 0.5 |
|  | n7 | 0.5 |
| DC\_2-7-66\_n28 | 2 | 0.5 |
|  | 7 | 0.5 |
|  | 66 | 0.5 |
|  | n28 | 0.6 |
| DC\_2-7-66\_n38  DC\_2-2-7-66\_n38 | 2 | 0.5 |
|  | 66 | 0.5 |
| DC\_2-7-66\_n66, DC\_2-7-7-66\_n66 | 2 | 0.5 |
|  | 7 | 0.5 |
|  | 66 | 0.5 |
|  | n66 |  |
| DC\_2-7-66\_n71, DC\_2-2-7-66\_n71 | 2 | 0.5 |
|  | 7 | 0.5 |
|  | 66 | 0.5 |
|  | n71 | 0.3 |
| DC\_2-7-66\_n77 | 2 | 0.6 |
|  | 7 | 0.5 |
|  | 66 | 0.6 |
|  | n77 | 0.8 |
| DC\_2-7-66\_n78 DC\_2-2-7-66\_n78 DC\_2-7\_n66-n78  DC\_2-7-7\_n66-n78 | 2 | 0.6 |
|  | 7 | 0.5 |
|  | 66 | 0.6 |
|  | n78 | 0.8 |
| DC\_2-7-71\_n2 | 2 | 0.5 |
|  | 7 | 0.5 |
|  | 71 | 0.6 |
|  | n2 | 0.5 |
| DC\_2-7-71\_n66 DC\_2-2-7-71\_n66 | 2 | 0.5 |
|  | 7 | 0.5 |
|  | 71 | 0.3 |
|  | n66 | 0.5 |
| DC\_2-7-71\_n78 DC\_2-2-7 -71\_n78 | 2 | 0.6 |
|  | 7 | 0.6 |
|  | 71 | 0.6 |
|  | n78 | 0.8 |
| DC\_2-12-30\_n2 | 2 | 0.5 |
|  | 12 | 0.3 |
|  | 30 | 0.3 |
|  | n2 | 0.5 |
| DC\_2-12-30\_n66 | 2 | 0.5 |
|  | 12 | 0.8 |
|  | 30 | 0.3 |
|  | n66 | 0.5 |
| DC\_2-12-48\_n5 | 2 | 0.6 |
|  | 12 | 0.4 |
|  | 48 | 0.8 |
|  | n5 | 0.8 |
| DC\_2-12-66\_n5 | 2 | 0.5 |
|  | 12 | 0.8 |
|  | 66 | 0.5 |
|  | n5 | 0.8 |
| DC\_2-12-66\_n2 | 2 | 0.5 |
|  | 12 | 0.3 |
|  | 66 | 0.5 |
|  | n2 | 0.5 |
| DC\_2-12-66\_n41 DC\_2-2-12-66\_n41 | 2 | 0.3 |
|  | 12 | 0.5 |
|  | 66 | 0.3 |
|  | n41 | 0.5 |
| DC\_2-12-66\_n66 | 2 | 0.5 |
|  | 12 | 0.8 |
|  | 66 | 0.5 |
|  | n66 | 0.5 |
| DC\_2-12-66\_n78 DC\_2-2-12-66\_n78 | 2 | 0.6 |
|  | 12 | 0.3 |
|  | 66 | 0.6 |
|  | n78 | 0.8 |
| DC\_2-13-66\_n2 | 2 | 0.5 |
|  | 13 | 0.3 |
|  | 66 | 0.5 |
|  | n2 | 0.5 |
| DC\_2-13-66\_n5 | 2 | 0.5 |
|  | 13 | 0.3 |
|  | 66 | 0.5 |
|  | n5 | 0.3 |
| DC\_2-13-66\_n48 | 2 | 0.6 |
|  | 13 | 0.3 |
|  | 66 | 0.6 |
|  | n48 | 0.8 |
| DC\_2-13-66\_n66 | 2 | 0.5 |
|  | 13 | 0.3 |
|  | 66 | 0.5 |
|  | n66 |  |
| DC\_2-13-66\_n77  DC\_2-2-13-66\_n77  DC\_2-13-66-66\_n77 | 2 | 0.5 |
|  | 13 | 0.3 |
|  | 66 | 0.5 |
|  | n77 | 0.8 |
| DC\_2-13\_n66-n77 | 2 | 0.6 |
|  | 13 | 0.3 |
|  | n66 | 0.6 |
|  | n77 | 0.8 |
| DC\_2-14-66\_n2  DC\_2-14-66-66\_n2 | 2 | 0.5 |
|  | 14 | 0.3 |
|  | 66 | 0.5 |
|  | n2 | 0.5 |
| DC\_2-14-66\_n66  DC\_2-2-14-66\_n66 | 2 | 0.5 |
|  | 14 | 0.3 |
|  | 66 | 0.5 |
|  | n66 | 0.5 |
| DC\_2-28-66\_n7 | 2 | 0.5 |
|  | 28 | 0.6 |
|  | 66 | 0.5 |
|  | n7 | 0.5 |
| DC\_2-28-66\_n66 | 2 | 0.5 |
|  | 28 | 0.6 |
|  | 66 | 0.5 |
|  | n66 | 0.5 |
| DC\_2-29-30\_n2 | 2 | 0.5 |
|  | 30 | 0.3 |
|  | n2 | 0.5 |
| DC\_2-29-66\_n2  DC\_2-29-66-66\_n2 | 2 | 0.5 |
|  | 66 | 0.5 |
|  | n2 | 0.5 |
| DC\_2-29-66\_n66 | 2 | 0.5 |
|  | 66 | 0.5 |
|  | n66 | 0.5 |
| DC\_2-29-66\_n78 | 2 | 0.6 |
|  | 66 | 0.6 |
|  | n78 | 0.8 |
| DC\_2-30-66\_n2  DC\_2-30-66-66\_n2 | 2 | 0.5 |
|  | 30 | 0.3 |
|  | 66 | 0.5 |
|  | n2 | 0.5 |
| DC\_2-30-66\_n5 | 2 | 0.5 |
|  | 30 | 0.3 |
|  | 66 | 0.5 |
|  | n5 | 0.3 |
| DC\_2-30-66\_n66 | 2 | 0.5 |
|  | 30 | 0.3 |
|  | 66 | 0.5 |
|  | n66 | 0.5 |
| DC\_2-46\_n41-n66 | 2 | 0.5 |
|  | n41 | 0.5 |
|  | n66 | 0.5 |
| DC\_2-46\_n41-n71 | 2 | 0.5 |
|  | n41 | 0.5 |
|  | n71 | 0.6 |
| DC\_2-46-48\_n5 | 2 | 0.6 |
|  | 48 | 0.8 |
|  | n5 | 0.3 |
| DC\_2-46-48\_n66 | 2 | 0.6 |
|  | 48 | 0.8 |
|  | n66 | 0.6 |
| DC\_2-46-66\_n41 | 2 | 0.5 |
|  | 66 | 0.5 |
|  | n41 | 0.81 |
|  |  | 1.32 |
| DC\_2-46-66\_n71 | 66 | 0.3 |
|  | n71 | 0.3 |
| DC\_2-48-66\_n77 | 2 | 0.6 |
|  | 48 | 0.8 |
|  | 66 | 0.6 |
|  | n77 | 0.8 |
| DC\_2-48\_n48-n66 | 2 | 0.6 |
|  | 48 | 0.8 |
|  | n48 | 0.8 |
|  | n66 | 0.6 |
| DC\_2-48\_(n)5 | 2 | 0.6 |
|  | 5 | 0.3 |
|  | 48 | 0.8 |
|  | n5 | 0.3 |
| DC\_2-46\_n66\_n71 | 2 | 0.5 |
|  | n66 | 0.5 |
|  | n71 | 0.3 |
| DC\_2-48-66\_n5 | 2 | 0.6 |
|  | 48 | 0.8 |
|  | 66 | 0.6 |
| DC\_2-48-66\_n12 | 2 | 0.6 |
|  | 48 | 0.8 |
|  | 66 | 0.6 |
|  | n12 | 0.3 |
| DC\_2-48-66\_n71 | 2 | 0.6 |
|  | 48 | 0.8 |
|  | 66 | 0.6 |
|  | n71 | 0.3 |
| DC\_2-66\_(n)5 | 2 | 0.5 |
|  | 5 | 0.3 |
|  | 66 | 0.5 |
|  | n5 | 0.3 |
| DC\_2-66\_n5-n77 | 2 | 0.6 |
|  | 66 | 0.6 |
|  | n5 | 0.3 |
|  | n77 | 0.8 |
| DC\_2-66-71\_n38  DC\_2-2-66-71\_n38 | 2 | 0.5 |
|  | 66 | 0.5 |
|  | 71 | 0.3 |
|  | n38 | 0.5 |
| DC\_2-66\_n38-n78 | 2 | 0.6 |
|  | 66 | 0.6 |
|  | n38 | 0.9 |
|  | n78 | 0.8 |
| DC\_2-66-71\_n41 DC\_2-2-66-71\_n41 | 2 | 0.5 |
|  | 66 | 0.5 |
|  | 71 | 0.8 |
|  | n41 | 0.81 |
| 1.32 |
| DC\_2-66-71\_n66 | 2 | 0.5 |
|  | 66 | 0.5 |
|  | 71 | 0.3 |
|  | n66 | 0.5 |
| DC\_2-66-71\_n71 | 2 | 0.5 |
|  | 66 | 0.5 |
|  | 71 | 0.3 |
|  | n71 |  |
| DC\_2-66-71\_n78  DC\_2-2-66-71\_n78 | 2 | 0.5 |
|  | 66 | 0.5 |
|  | 71 | 0.3 |
|  | n78 | 0.5 |
| DC\_2-66-(n)71 | 2 | 0.5 |
|  | 66 | 0.5 |
|  | 71 | 0.3 |
|  | n71 |  |
| DC\_2-66\_n41-n71 | 2 | 0.5 |
|  | 66 | 0.5 |
|  | n41 | 0.81 |
|  |  | 1.32 |
|  | n71 | 0.8 |
| DC\_2-66\_n66-n77 | 2 | 0.6 |
|  | 66 | 0.6 |
|  | n66 | 0.6 |
|  | n77 | 0.8 |
| DC\_2-66\_n66-n78 | 2 | 0.6 |
|  | 66 | 0.6 |
|  | n66 | 0.6 |
|  | n78 | 0.8 |
| DC\_2-66-71\_n2 | 2 | 0.5 |
|  | 66 | 0.5 |
|  | 71 | 0.3 |
|  | n2 | 0.5 |
| DC\_3-5-7\_n78, DC\_3-5-7-7\_n78 | 3 | 0.6 |
|  | 5 | 0.6 |
|  | 7 | 0.6 |
|  | n78 | 0.8 |
| DC\_3-5-41\_n79 | 3 | 0.5 |
|  | 5 | 0.33 |
|  | 41 | 0.34/0.85 |
| DC\_3-7\_n1-n40 | 3 | 0.6 |
|  | 7 | 0.8 |
|  | n1 | 0.6 |
|  | n40 | 0.9 |
| DC\_3-7\_n1-n78 | 3 | 0.7 |
|  | 7 | 0.7 |
|  | n1 | 0.7 |
|  | n78 | 0.8 |
| DC\_3-7-8\_n1  DC\_3-3-7-8\_n1  DC\_3-7-7-8\_n1  DC\_3-3-7-7-8\_n1 | 3 | 0.6 |
|  | 7 | 0.6 |
|  | 8 | 0.6 |
|  | n1 | 0.6 |
| DC\_3-7-8\_n28 | 3 | 0.5 |
|  | 7 | 0.5 |
|  | 8 | 0.6 |
|  | n28 | 0.5 |
| DC\_3-7-8\_n40 | 3 | 0.5 |
|  | 7 | 0.5 |
|  | 8 | 0.6 |
|  | n40 | 0.6 |
| DC\_3-7-8\_n77 | 3 | 0.6 |
|  | 7 | 0.6 |
|  | 8 | 0.6 |
|  | n77 | 0.8 |
| DC\_3-7-8\_n78  DC\_3-3-7-8\_n78  DC\_3-7-7-8\_n78  DC\_3-3-7-7-8\_n78 | 3 | 0.6 |
|  | 7 | 0.6 |
|  | 8 | 0.6 |
|  | n78 | 0.8 |
| DC\_3-7\_n7-n78 | 3 | 0.6 |
|  | 7 | 0.6 |
|  | n7 | 0.6 |
|  | n78 | 0.8 |
| DC\_3-7-20\_n1 | 3 | 0.6 |
|  | 7 | 0.6 |
|  | 20 | 0.3 |
|  | n1 | 0.6 |
| DC\_3-7-20\_n8 | 3 | 0.6 |
|  | 7 | 0.6 |
|  | 20 | 0.6 |
|  | n8 | 0.6 |
| DC\_3-7-20\_n28 | 3 | 0.5 |
|  | 7 | 0.5 |
|  | 20 | 0.6 |
|  | n28 | 0.5 |
| DC\_3-7-20\_n78 | 3 | 0.6 |
|  | 7 | 0.6 |
|  | 20 | 0.3 |
|  | n78 | 0.8 |
| DC\_3-7-28\_n1 | 3 | 0.6 |
|  | 7 | 0.6 |
|  | 28 | 0.5 |
|  | n1 | 0.6 |
| DC\_3-7-28\_n5 | 3 | 0.5 |
|  | 7 | 0.5 |
|  | 28 | 0.4 |
|  | n5 | 0.4 |
| DC\_3-7-28\_n7 | 3 | 0.5 |
|  | 7 | 0.5 |
|  | 28 | 0.3 |
|  | n7 | 0.5 |
| DC\_3-7-28\_n40 | 3 | 0.6 |
|  | 7 | 0.8 |
|  | 28 | 0.3 |
|  | n40 | 0.9 |
| DC\_3-7-28\_n78 | 3 | 0.6 |
|  | 7 | 0.6 |
|  | 28 | 0.6 |
|  | n78 | 0.8 |
| DC\_3-7\_n28-n78 | 3 | 0.6 |
|  | 7 | 0.6 |
|  | n28 | 0.6 |
|  | n78 | 0.8 |
| DC\_3-7-40\_n1 | 3 | 0.6 |
|  | 7 | 0.8 |
|  | 40 | 0.9 |
|  | n1 | 0.6 |
| DC\_3-7-40\_n78 | 3 | 0.6 |
|  | 7 | 0.5 |
|  | 40 | 0.39 |
|  | n78 | 0.89 |
| DC\_3-7\_n40-n78 | 3 | 0.6 |
|  | 7 | 0.5 |
|  | n40 | 0.5 |
|  | n78 | 0.8 |
| DC\_3-7\_SUL\_n78-n80 | 7 | 0.6 |
|  | 3, n80 | 0.6 |
|  | n78 | 0.8 |
| DC\_3-8\_n1-n78  DC\_3-3-8\_n1-n78 | 3 | 0.6 |
|  | 8 | 0.6 |
|  | n1 | 0.6 |
|  | n78 | 0.8 |
| DC\_3-8-11\_n28 | 3 | 0.8 |
|  | 8 | 0.6 |
|  | 11 | 0.9 |
|  | n28 | 0.6 |
| DC\_3-8-11\_n77 | 3 | 0.8 |
|  | 8 | 0.6 |
|  | 11 | 0.9 |
|  | n77 | 0.8 |
| DC\_3-8-20\_n78 | 3 | 0.6 |
|  | 8 | 0.6 |
|  | 20 | 0.6 |
|  | n78 | 0.8 |
| DC\_3-8\_n28-n77 | 3 | 0.6 |
|  | 8 | 0.6 |
|  | n28 | 0.5 |
|  | n77 | 0.8 |
| DC\_3-8-40\_n1 | 3 | 0.5 |
|  | 8 | 0.5 |
|  | 40 | 0.6 |
|  | n1 | 0.5 |
| DC\_3-8-40\_n78 | 3 | 0.6 |
|  | 8 | 0.6 |
|  | 40 | 0.39 |
|  | n78 | 0.89 |
| DC\_3-8\_n40-n78 | 3 | 0.6 |
|  | 8 | 0.3 |
|  | n40 | 0.5 |
|  | n78 | 0.8 |
| DC\_3-8-42\_n77 | 3 | 0.6 |
|  | 8 | 0.6 |
|  | 42 | 0.8 |
|  | n77 | 0.8 |
| DC\_3-8\_SUL\_n78-n80 | 3, n80 | 0.6 |
|  | 8 | 0.6 |
|  | n78 | 0.8 |
| DC\_3-18\_n3-n41 | 3 | 0.6 |
|  | 18 | 0.3 |
|  | n3 | 0.6 |
|  | n41 | 0.34 |
| DC\_3-18\_n3-n77 | 3 | 0.6 |
|  | 18 | 0.3 |
|  | n3 | 0.6 |
|  | n77 | 0.8 |
| DC\_3-18\_n3-n78 | 3 | 0.6 |
|  | 18 | 0.3 |
|  | n3 | 0.6 |
|  | n78 | 0.8 |
| DC\_3-18\_n28-n41 | 3 | 0.6 |
|  | 18 | 0.3 |
|  | n28 | 0.5 |
|  | n41 | 0.31 |
| DC\_3-18\_n28-n77 | 3 | 0.6 |
|  | 18 | 0.3 |
|  | n28 | 0.5 |
|  | n77 | 0.8 |
| DC\_3-18\_n28-n78 | 3 | 0.6 |
|  | 18 | 0.3 |
|  | n28 | 0.5 |
|  | n78 | 0.8 |
| DC\_3-18\_n41-n77 | 3 | 0.6 |
|  | 18 | 0.3 |
|  | n41 | 0.5 |
|  | n77 | 0.8 |
| DC\_3-18\_n41-n78 | 3 | 0.6 |
|  | 18 | 0.3 |
|  | n41 | 0.6 |
|  | n78 | 0.8 |
| DC\_3-18-42\_n77 | 3 | 0.3 |
|  | 18 | 0.3 |
|  | 42 | 0.8 |
|  | n77 | 0.8 |
| DC\_3-18-42\_n78 | 3 | 0.3 |
|  | 18 | 0.3 |
|  | 42 | 0.8 |
|  | n78 | 0.8 |
| DC\_3-18-42\_n79 | 3 | 0.6 |
|  | 18 | 0.3 |
|  | 42 | 0.8 |
| DC\_3-19\_n1-n77 | 3 | 0.6 |
|  | 19 | 0.3 |
|  | n1 | 0.6 |
|  | n77 | 0.8 |
| DC\_3-19\_n1-n78 | 3 | 0.6 |
|  | 19 | 0.3 |
|  | n1 | 0.6 |
|  | n78 | 0.8 |
| DC\_3-19\_n1-n79 | 3 | 0.3 |
|  | 19 | 0.3 |
|  | n1 | 0.3 |
| DC\_3-19-21\_n77 | 3 | 0.8 |
|  | 19 | 0.3 |
|  | 21 | 0.9 |
|  | n77 | 0.8 |
| DC\_3-19-21\_n78 | 3 | 0.8 |
|  | 19 | 0.3 |
|  | 21 | 0.9 |
|  | n78 | 0.8 |
| DC\_3-19-21\_n79 | 3 | 0.8 |
|  | 19 | 0.3 |
|  | 21 | 0.9 |
| DC\_3-19-42\_n1 | 3 | 0.6 |
|  | 19 | 0.3 |
|  | 42 | 0.8 |
| DC\_3-19-42\_n77 | 3 | 0.6 |
|  | 19 | 0.3 |
|  | 42 | 0.8 |
|  | n77 | 0.8 |
| DC\_3-19-42\_n78 | 3 | 0.6 |
|  | 19 | 0.3 |
|  | 42 | 0.8 |
|  | n78 | 0.8 |
| DC\_3-19-42\_n79 | 3 | 0.6 |
|  | 19 | 0.3 |
|  | 42 | 0.8 |
| DC\_3-19\_n77-n79 | 3 | 0.6 |
|  | 19 | 0.3 |
|  | n77 | 0.8 |
| DC\_3-19\_n78-n79 | 3 | 0.6 |
|  | 19 | 0.3 |
|  | n78 | 0.8 |
| DC\_3-20\_n1-n7 | 3 | 0.6 |
|  | 20 | 0.3 |
|  | n1 | 0.6 |
|  | n7 | 0.6 |
| DC\_3-20\_n1-n28 | 3 | 0.3 |
|  | 20 | 0.3 |
|  | n1 | 0.6 |
|  | n28 | 0.6 |
| DC\_3-20\_n1-n28 | 3 | 0.6 |
|  | 20 | 0.3 |
|  | n1 | 0.6 |
|  | n28 | 0.8 |
| DC\_3-20\_n7-n28 | 3 | 0.5 |
|  | 20 | 0.5 |
|  | n7 | 0.5 |
|  | n28 | 0.5 |
| DC\_3-20\_n28-n78 | 3 | 0.6 |
|  | 20 | 0.6 |
|  | n28 | 0.6 |
|  | n78 | 0.8 |
| DC\_3-20-32\_n1 | 3 | 0.5 |
|  | 20 | 0.3 |
|  | n1 | 0.5 |
| DC\_3-20-38\_n78  DC\_3-20\_n38-n78 | 3 | 0.6 |
|  | 20 | 0.6 |
|  | 38 or n38 | 0.5 |
|  | n78 | 0.8 |
| DC\_3-20-40\_n78 | 3 | 0.6 |
|  | 20 | 0.5 |
|  | 40 | 0.36 |
|  | n78 | 0.86 |
| DC\_3-20\_n41-n78 | 3 | 0.5 |
|  | 20 | 0.3 |
|  | n41 | 0.5 |
|  | n78 | 0.8 |
| DC\_3\_20\_SUL\_n78-n80 | 3, n80 | 0.5 |
|  | 20 | 0.3 |
|  | n78 | 0.8 |
| DC\_3-21\_n1-n77 | 3 | 0.8 |
|  | 21 | 0.9 |
|  | n1 | 0.6 |
|  | n77 | 0.8 |
| DC\_3-21\_n1-n78 | 3 | 0.8 |
|  | 21 | 0.9 |
|  | n1 | 0.6 |
|  | n78 | 0.8 |
| DC\_3-21\_n1-n79 | 3 | 0.8 |
|  | 21 | 0.9 |
|  | n1 | 0.3 |
| DC\_3-21-42\_n1 | 3 | 0.8 |
|  | 21 | 0.9 |
|  | 42 | 0.8 |
|  | n1 | 0.6 |
| DC\_3-21-42\_n77 | 3 | 0.8 |
|  | 21 | 0.9 |
|  | 42 | 0.8 |
|  | n77 | 0.8 |
| DC\_3-21-42\_n78 | 3 | 0.8 |
|  | 21 | 0.9 |
|  | 42 | 0.8 |
|  | n78 | 0.8 |
| DC\_3-21-42\_n79 | 3 | 0.8 |
|  | 21 | 0.9 |
|  | 42 | 0.8 |
| DC\_3-21\_n77-n79 | 3 | 0.8 |
|  | 21 | 0.9 |
|  | n77 | 0.8 |
| DC\_3-21\_n78-n79 | 3 | 0.8 |
|  | 21 | 0.9 |
|  | n78 | 0.8 |
| DC\_3-28\_n1-n40 | 3 | 0.5 |
|  | 28 | 0.6 |
|  | n1 | 0.5 |
|  | n40 | 0.5 |
| DC\_3-28\_n7-n78  DC\_3-3-28\_n7-n78 | 3 | 1 |
|  | 28 | 0.5 |
|  | n7 | 0.8 |
|  | n78 | 0.8 |
| DC\_3-28\_n40-n78 | 3 | 0.6 |
|  | 28 | 0.5 |
|  | n40 | 0.36 |
|  | n78 | 0.86 |
| DC\_3-28-41\_n78 | 3 | 1 |
|  | 28 | 0.5 |
|  | 41 | 0.34/0.85 |
|  | n78 | 0.8 |
| DC\_3-28-42\_n77 | 3 | 0.6 |
|  | 28 | 0.5 |
|  | 42 | 0.8 |
|  | n77 | 0.8 |
| DC\_3-28-42\_n78 | 3 | 0.6 |
|  | 28 | 0.5 |
|  | 42 | 0.8 |
|  | n78 | 0.8 |
| DC\_3-28-42\_n79 | 3 | 0.6 |
|  | 28 | 0.5 |
|  | 42 | 0.8 |
| DC\_3-41\_n3-n41 | 3 | 0.5 |
|  | 41 | 0.33/0.84 |
|  | n3 | 0.5 |
|  | n41 | 0.33/0.84 |
| DC\_3-41\_n3-n77 | 3 | 0.6 |
|  | 41 | 0.33/0.84 |
|  | n3 | 0.6 |
|  | n77 | 0.8 |
| DC\_3-41\_n3-n78 | 3 | 0.6 |
|  | 41 | 0.33/0.84 |
|  | n3 | 0.6 |
|  | n78 | 0.8 |
| DC\_3-41\_n28-n41 | 3 | 0.6 |
|  | 41 | 0.31/0.82 |
|  | n28 | 0.5 |
|  | n41 | 0.31/0.82 |
| DC\_3-41\_n28-n77 | 3 | 0.6 |
|  | 41 | 0.34/0.85 |
|  | n28 | 0.5 |
|  | n77 | 0.8 |
| DC\_3-41\_n28-n78 | 3 | 1.0 |
|  | 41 | 0.34/0.85 |
|  | n28 | 0.5 |
|  | n78 | 0.8 |
| DC\_3-41\_n41-n77 | 3 | 0.6 |
|  | 41 | 0.34/0.85 |
|  | n41 | 0.34/0.85 |
|  | n77 | 0.8 |
| DC\_3-41\_n41-n78 | 3 | 0.6 |
|  | 41 | 0.34/0.85 |
|  | n41 | 0.34/0.85 |
|  | n78 | 0.8 |
| DC\_3-41-42\_n77 | 3 | 1 |
|  | 41 | 0.34/0.85 |
|  | 42 | 0.8 |
|  | n77 | 0.8 |
| DC\_3-41-42\_n78 | 3 | 1 |
|  | 41 | 0.34/0.85 |
|  | 42 | 0.8 |
|  | n78 | 0.8 |
| DC\_3-41-42\_n79 | 3 | 1 |
|  | 41 | 0.34/0.85 |
|  | 42 | 0.8 |
| DC\_3-42\_n1-n77 | 3 | 0.6 |
|  | 42 | 0.8 |
|  | n1 | 0.6 |
|  | n77 | 0.8 |
| DC\_3-42\_n1-n78 | 3 | 0.6 |
|  | 42 | 0.8 |
|  | n1 | 0.6 |
|  | n78 | 0.8 |
| DC\_3-42\_n1-n79 | 3 | 0.6 |
|  | 42 | 0.8 |
|  | n1 | 0.6 |
| DC\_3-42\_n28-n77 | 3 | 0.6 |
|  | 42 | 0.8 |
|  | n28 | 0.8 |
|  | n77 | 0.8 |
| DC\_3-42\_n77-n79 | 3 | 0.6 |
|  | 42 | 0.8 |
|  | n77 | 0.8 |
| DC\_3-42\_n78-n79 | 3 | 0.6 |
|  | 42 | 0.8 |
|  | n78 | 0.8 |
| DC\_5-7-66\_n2 | 5 | 0.3 |
|  | 7 | 0.5 |
|  | 66 | 0.5 |
|  | n2 | 0.5 |
| DC\_5-7-66\_n7  DC\_5-7-66-66\_n7 | 5 | 0.3 |
|  | 7 | 0.5 |
|  | 66 | 0.5 |
|  | n7 | 0.5 |
| DC\_5-7-66\_n66 | 5 | 0.3 |
|  | 7 | 0.5 |
|  | 66 | 0.5 |
|  | n66 |  |
| DC\_5-48\_(n)12 | 5 | 0.8 |
|  | 12 | 0.4 |
|  | 48 | 0.3 |
|  | n12 | 0.8 |
| DC\_5-48-66\_n12 | 5 | 0.8 |
|  | 48 | 0.8 |
|  | 66 | 0.6 |
|  | n12 | 0.4 |
| DC\_5-48-66\_n71 | 5 | 0.5 |
|  | 48 | 0.8 |
|  | 66 | 0.6 |
|  | n71 | 0.5 |
| DC\_5-66\_(n)12 | 5 | 0.3 |
|  | 12 | 0.8 |
|  | 66 | 0.8 |
|  | n12 | 0.8 |
| DC\_7-8\_n1-n78  DC\_7-7-8\_n1-n78 | 7 | 0.6 |
|  | 8 | 0.6 |
|  | n1 | 0.6 |
|  | n78 | 0.8 |
| DC\_7-8-32\_n1 | 7 | 0.7 |
|  | 8 | 0.6 |
|  | n1 | 0.7 |
| DC\_7-8-40\_n1 | 7 | 0.8 |
|  | 8 | 0.6 |
|  | 40 | 0.9 |
|  | n1 | 0.6 |
| DC\_7-8-40\_n78 | 7 | 0.5 |
|  | 8 | 0.6 |
|  | 40 | 0.39 |
|  | n78 | 0.89 |
| DC\_7-8\_n40-n78 | 7 | 0.5 |
|  | 8 | 0.3 |
|  | n40 | 0.5 |
|  | n78 | 0.8 |
| DC\_7-12-66\_n2 | 7 | 0.5 |
|  | 12 | 0.8 |
|  | 66 | 0.5 |
|  | n2 | 0.5 |
| DC\_7-12-66\_n78 | 7 | 0.8 |
|  | 12 | 0.5 |
|  | 66 | 1 |
|  | n78 | 0.8 |
| DC\_7-13-66\_n66 | 7 | 0.5 |
|  | 13 | 0.3 |
|  | 66 | 0.5 |
|  | n66 |  |
| DC\_7-20\_n1-n78 | 7 | 0.7 |
|  | 20 | 0.4 |
|  | n3 | 0.6 |
|  | n78 | 0.8 |
| DC\_7-20\_n3-n78 | 7 | 0.5 |
|  | 20 | 0.6 |
|  | n3 | 0.5 |
|  | n78 | 0.8 |
| DC\_7-20\_n28-n78 | 7 | 0.3 |
|  | 20 | 0.6 |
|  | n28 | 0.6 |
|  | n78 | 0.8 |
| DC\_7-20-32\_n28 | 7 | 0.3 |
|  | 20 | 0.5 |
|  | n28 | 0.7 |
| DC\_7-20-32\_n78 | 7 | 0.7 |
|  | 20 | 0.5 |
|  | n78 | 0.8 |
| DC\_7-28\_n1-n40 | 7 | 0.3 |
|  | 28 | 0.2 |
|  | n1 | 0 |
|  | n40 | 0.8 |
| DC\_7-28\_n3-n78 | 7 | 0.8 |
|  | 28 | 0.5 |
|  | n3 | 1 |
|  | n78 | 0.8 |
| DC\_7-28\_n7-n78 | 7 | 0.3 |
|  | 28 | 0.3 |
|  | n7 | 0.3 |
|  | n78 | 0.8 |
| DC\_7-28-66\_n7 | 7 | 0.5 |
|  | 28 | 0.6 |
|  | 66 | 0.5 |
|  | n7 | 0.5 |
| DC\_7-28-66\_n66 | 7 | 0.5 |
|  | 28 | 0.6 |
|  | 66 | 0.5 |
|  | n66 | 0.5 |
| DC\_7-28\_n40-n78 | 7 | 0.5 |
|  | 28 | 0.3 |
|  | n40 | 0.5 |
|  | n78 | 0.8 |
| DC\_7-66\_n38-n78  DC\_7-7-66\_n38-n78 | 66 | 0.6 |
|  | n78 | 0.8 |
| DC\_7-66\_n66-n78  DC\_7-7-66\_n66-n78 | 7 | 0.5 |
|  | 66 | 0.6 |
|  | n66 | 0.6 |
|  | n78 | 0.8 |
| DC\_7-66-71\_n2 | 7 | 0.5 |
|  | 66 | 0.5 |
|  | 71 | 0.3 |
|  | n2 | 0.5 |
| DC\_7-66-71\_n78 | 7 | 0.6 |
|  | 66 | 0.6 |
|  | 71 | 0.3 |
|  | n78 | 0.8 |
| DC\_8\_n3-n28-n77 | 8 | 0.6 |
|  | n3 | 0.6 |
|  | n28 | 0.5 |
|  | n77 | 0.8 |
| DC\_8\_n40-n41-n79 | 8 | 0.3 |
|  | n40 | 0.3 |
|  | n41 | 0.3 |
| DC\_8-11\_n3-n28 | 8 | 0.6 |
|  | 11 | 0.8 |
|  | n3 | 0.9 |
|  | n28 | 0.6 |
| DC\_8-42\_n28-n77 | 8 | 0.6 |
|  | 42 | 0.8 |
|  | n28 | 0.8 |
|  | n77 | 0.8 |
| DC\_12-30-66\_n2 | 12 | 0.8 |
|  | 30 | 0.3 |
|  | 66 | 0.5 |
|  | n2 | 0.5 |
| DC\_12-30-66\_n66 | 12 | 0.8 |
|  | 30 | 0.3 |
|  | 66 | 0.5 |
|  | n66 | 0.5 |
| DC\_12-48\_(n)5 | 5 | 0.8 |
|  | 12 | 0.4 |
|  | 48 | 0.3 |
|  | n5 | 0.8 |
| DC\_12-48-66\_n5 | 12 | 0.8 |
|  | 48 | 0.8 |
|  | 66 | 0.8 |
|  | n5 | 0.3 |
| DC\_12-66\_(n)5 | 5 | 0.3 |
|  | 12 | 0.8 |
|  | 66 | 0.8 |
|  | n5 | 0.3 |
| DC\_13-66\_n2-n77 | 13 | 0.3 |
|  | 66 | 0.6 |
|  | n2 | 0.6 |
|  | n77 | 0.8 |
| DC\_13-66\_n5-n48 | 13 | 0.4 |
|  | 66 | 0.6 |
|  | n5 | 0.8 |
|  | n48 | 0.8 |
| DC\_13-66\_n66-n77 | 13 | 0.3 |
|  | 66 | 0.6 |
|  | n66 | 0.6 |
|  | n77 | 0.8 |
| DC\_18-41\_n3-n77 | 18 | 0.3 |
|  | 41 | 0.34/0.85 |
|  | n3 | 0.6 |
|  | n77 | 0.8 |
| DC\_18-41\_n3-n78 | 18 | 0.3 |
|  | 41 | 0.34/0.85 |
|  | n3 | 0.6 |
|  | n78 | 0.8 |
| DC\_19-21\_n1-n77 | 19 | 0.3 |
|  | 21 | 0.4 |
|  | n1 | 0.3 |
|  | n77 | 0.8 |
| DC\_19-21\_n1-n78 | 19 | 0.3 |
|  | 21 | 0.4 |
|  | n1 | 0.6 |
|  | n78 | 0.8 |
| DC\_19-21\_n1-n79 | 19 | 0.3 |
|  | 21 | 0.4 |
|  | n1 | 0.3 |
| DC\_19-21-42\_n1 | 19 | 0.3 |
|  | 21 | 0.4 |
|  | 42 | 0.8 |
|  | n1 | 0.3 |
| DC\_19-21-42\_n77 | 19 | 0.3 |
|  | 21 | 0.4 |
|  | 42 | 0.8 |
|  | n77 | 0.8 |
| DC\_19-21-42\_n78 | 19 | 0.3 |
|  | 21 | 0.4 |
|  | 42 | 0.8 |
|  | n78 | 0.8 |
| DC\_19-21-42\_n79 | 19 | 0.3 |
|  | 21 | 0.4 |
|  | 42 | 0.8 |
| DC\_19-21\_n77-n79 | 19 | 0.3 |
|  | 21 | 0.4 |
|  | n77 | 0.8 |
| DC\_19-21\_n78-n79 | 19 | 0.3 |
|  | 21 | 0.4 |
|  | n78 | 0.8 |
| DC\_19-42\_n1-n77 | 19 | 0.3 |
|  | 42 | 0.8 |
|  | n1 | 0.6 |
|  | n77 | 0.8 |
| DC\_19-42\_n1-n78 | 19 | 0.3 |
|  | 42 | 0.8 |
|  | n1 | 0.3 |
|  | n78 | 0.8 |
| DC\_19-42\_n1-n79 | 19 | 0.3 |
|  | 42 | 0.8 |
|  | n1 | 0.3 |
| DC\_19-42\_n77-n79 | 19 | 0.3 |
|  | 42 | 0.8 |
|  | n77 | 0.8 |
| DC\_19-42\_n78-n79 | 19 | 0.3 |
|  | 42 | 0.8 |
|  | n78 | 0.8 |
| DC\_21-28-42\_n77 | 21 | 0.4 |
|  | 28 | 0.5 |
|  | 42 | 0.8 |
|  | n77 | 0.8 |
| DC\_21-28-42\_n78 | 21 | 0.4 |
|  | 28 | 0.5 |
|  | 42 | 0.8 |
|  | n78 | 0.8 |
| DC\_21-28-42\_n79 | 21 | 0.4 |
|  | 28 | 0.5 |
|  | 42 | 0.8 |
| DC\_21-42\_n1-n77 | 21 | 0.4 |
|  | 42 | 0.8 |
|  | n1 | 0.6 |
|  | n77 | 0.8 |
| DC\_21-42\_n1-n78 | 21 | 0.4 |
|  | 42 | 0.8 |
|  | n1 | 0.3 |
|  | n78 | 0.8 |
| DC\_21-42\_n1-n79 | 21 | 0.4 |
|  | 42 | 0.8 |
|  | n1 | 0.3 |
| DC\_21-42\_n77-n79 | 21 | 0.4 |
|  | 42 | 0.8 |
|  | n77 | 0.8 |
| DC\_21-42\_n78-n79 | 21 | 0.4 |
|  | 42 | 0.8 |
|  | n78 | 0.8 |
| DC\_28-41-42\_n78 | 28 | 0.5 |
|  | 41 | 0.3 |
|  | 42 | 0.8 |
|  | n78 | 0.8 |
| DC\_29-30-66\_n2  DC\_29-30-66-66\_n2 | 30 | 0.3 |
|  | 66 | 0.5 |
|  | n2 | 0.5 |
| DC\_29-30-66\_n66 | 30 | 0.3 |
|  | 66 | 0.5 |
|  | n66 | 0.5 |
| DC\_46-66\_n25-n41 | 66 | 0.5 |
|  | n25 | 0.5 |
|  | n41 | 0.41 |
|  |  | 0.92 |
| DC\_46-66\_n25-n71 | 66 | 0.5 |
|  | n25 | 0.5 |
|  | n71 | 0.3 |
| DC\_46-66\_n41-n71 | 66 | 0.5 |
|  | n41 | 0.41 |
|  |  | 0.92 |
|  | n71 | 0.6 |
| DC\_48-66\_n25-n48 | 48 | 0.8 |
|  | 66 | 0.6 |
|  | n25 | 0.6 |
|  | n48 | 0.8 |
| NOTE 1: The requirement is applied for UE transmitting on the frequency range of 2545 - 2690 MHz.  NOTE 2: The requirement is applied for UE transmitting on the frequency range of 2496 - 2545 MHz.  NOTE 3: The values in the table reflect what can be achieved with the present state of the art technology. They shall be reconsidered when the state of the art technology progresses.  NOTE 4: The requirement is applied for UE transmitting on the frequency range of 2515 – 2690 MHz.  NOTE 5: The requirement is applied for UE transmitting on the frequency range of 2496 – 2515 MHz.  NOTE 6: Only applicable for UE supporting inter-band carrier aggregation with uplink in one E-UTRA band and without simultaneous Rx/Tx.  NOTE 7: The requirement is applied for UE transmitting on the frequency range of 2515 - 2690 MHz.  NOTE 8: The requirement is applied for UE transmitting on the frequency range of 2496 - 2515 MHz.  NOTE 9: Only applicable for UE supporting inter-band carrier aggregation with uplink in one NR band and without simultaneous Rx/Tx | | |

---Text omitted---

Table 7.3B.3.3.3-1: ΔRIB,c due to EN-DC (four bands)

| Inter-band EN-DC configuration | E-UTRA or NR Band | ΔRIB,c (dB) |
| --- | --- | --- |
| DC\_1-3\_n3-n41 | n41 | 03/0.54 |
| DC\_1-3\_n3-n77 | 1 | 0.2 |
|  | 3 | 0.2 |
|  | n3 | 0.2 |
|  | n77 | 0.5 |
| DC\_1-3\_n3-n78 | 1 | 0.2 |
|  | 3 | 0.2 |
|  | n3 | 0.2 |
|  | n78 | 0.5 |
| DC\_1-3-5\_n78 | 1 | 0.2 |
|  | 3 | 0.2 |
|  | n78 | 0.5 |
| DC\_1-3-7\_n28 | n28 | 0.2 |
| DC\_1-3-7\_n40 | 7 | 0.3 |
|  | n40 | 0.8 |
| DC\_1-3-7\_n78  DC\_1-3-7-7\_n78  DC\_1-3\_n7-n78 | 1 | 0.3 |
|  | 3 | 0.3 |
|  | 7 or n7 | 0.3 |
|  | n78 | 0.5 |
| DC\_1-3-8\_n28 | 8 | 0.2 |
|  | n28 | 0.2 |
| DC\_1-3-8\_n77 | 1 | 0.2 |
|  | 3 | 0.2 |
|  | 8 | 0.2 |
|  | n77 | 0.5 |
| DC\_1-3-8\_n78 | 1 | 0.2 |
|  | 3 | 0.2 |
|  | 8 | 0.2 |
|  | n78 | 0.5 |
| DC\_1-3-11\_n28 | 3 | 0.3 |
|  | 11 | 0.5 |
|  | n28 | 0.2 |
| DC\_1-3-11\_n77 | 1 | 0.2 |
|  | 3 | 0.3 |
|  | 11 | 0.5 |
|  | n77 | 0.5 |
| DC\_1-3-18\_n28 | n28 | 0.2 |
| DC\_1-3-18\_n41 | n41 | 0.26 |
| DC\_1-3-28\_n5 | 28 | 0.2 |
|  | n5 | 0.2 |
| DC\_1-3-28\_n7 | 28 | 0.2 |
| DC\_1-3-28\_n40 | 28 | 0.2 |
| DC\_1-3-28\_n77  DC\_1-3\_n28-n77  DC\_1\_n3-n28-n77 | 1 | 0.2 |
|  | 3 or n3 | 0.2 |
|  | 28 or n28 | 0.2 |
|  | n77 | 0.5 |
| DC\_1-3-28\_n78  DC\_1-3\_n28-n78 | 1 | 0.2 |
|  | 3 | 0.2 |
|  | 28 or n28 | 0.2 |
|  | n78 | 0.5 |
| DC\_1-3-28\_n79 | 1 | 0.2 |
|  | 3 | 0.2 |
|  | 28 | 0.2 |
| DC\_1-3-18\_n77 | 1 | 0.2 |
|  | 3 | 0.2 |
|  | n77 | 0.5 |
| DC\_1-3-18\_n78 | 1 | 0.2 |
|  | 3 | 0.2 |
|  | n78 | 0.5 |
| DC\_1-3-19\_n78 | 1 | 0.2 |
|  | 3 | 0.2 |
|  | n78 | 0.5 |
| DC\_1-3-20\_n28 | 20 | 0.2 |
|  | n28 | 0.2 |
| DC\_1-3-20\_n41 | n41 | 01 |
|  |  | 0.52 |
| DC\_1-3-20\_n78 | 1 | 0.2 |
|  | 3 | 0.2 |
|  | n78 | 0.5 |
| DC\_1-3-21\_n77 | 1 | 0.2 |
|  | 3 | 0.3 |
|  | 21 | 0.5 |
|  | n77 | 0.5 |
| DC\_1-3-21\_n78 | 1 | 0.2 |
|  | 3 | 0.3 |
|  | 21 | 0.5 |
|  | n78 | 0.5 |
| DC\_1-3-21\_n79 | 3 | 0.3 |
|  | 21 | 0.5 |
| DC\_1-3-32\_n78 | n78 | 0.5 |
| DC\_1-3-28\_n77 | 1 | 0.2 |
|  | 3 | 0.2 |
|  | 28 | 0.2 |
|  | n77 | 0.5 |
| DC\_1-3-28\_n78  DC\_1-3\_n28-n78 | 1 | 0.2 |
|  | 3 | 0.2 |
|  | 28 or n28 | 0.2 |
|  | n78 | 0.5 |
| DC\_1-3-28\_n79 | 1 | 0.2 |
|  | 3 | 0.2 |
|  | 28 | 0.2 |
| DC\_1-3\_n38-n78 | 3 | 0.2 |
|  | n78 | 0.5 |
| DC\_1-3-40\_n78 | 1 | 0.2 |
|  | 3 | 0.2 |
|  | 40 | 0.48 |
|  | n78 | 0.58 |
| DC\_1-3\_n40-n78 | 3 | 0.2 |
|  | n40 | 0.45 |
|  | n78 | 0.55 |
| DC\_1-3-41\_n3 | 41 | 03/0.54 |
| DC\_1-3-41\_n28 | 41 | 03/0.54 |
|  | n28 | 0.2 |
| DC\_1-3-41\_n41 | 41 | 03/0.54 |
|  | n41 | 03/0.54 |
| DC\_1-3\_(n)41 | 41 | 03/0.54 |
|  | n41 | 03/0.54 |
| DC\_1-3-41\_n77  DC\_1-3\_n41-n77 | 1 | 0.2 |
|  | 3 | 0.2 |
|  | n77 | 0.5 |
| DC\_1-3-41\_n78  DC\_1-3\_n41-n78 | 1 | 0.2 |
|  | 3 | 0.2 |
|  | n78 | 0.5 |
| DC\_1-3-41\_n79 | 41 | 03/0.54 |
| DC\_1-3-42\_n28 | 1 | 0.2 |
|  | 3 | 0.2 |
|  | 42 | 0.5 |
|  | n28 | 0.5 |
| DC\_1-3-42\_n77 | 1 | 0.2 |
|  | 3 | 0.2 |
|  | 42 | 0.5 |
|  | n77 | 0.5 |
| DC\_1-3-42\_n78 | 1 | 0.2 |
|  | 3 | 0.2 |
|  | 42 | 0.5 |
|  | n78 | 0.5 |
| DC\_1-3-42\_n79 | 1 | 0.2 |
|  | 3 | 0.2 |
|  | 42 | 0.5 |
| DC\_1-3\_n77-n79 | 1 | 0.2 |
|  | 3 | 0.2 |
|  | n77 | 0.5 |
| DC\_1-3\_n78-n79 | 1 | 0.2 |
|  | 3 | 0.2 |
|  | n78 | 0.5 |
| DC\_1-3\_SUL\_n78-n80 | 1 | 0.2 |
|  | 3 | 0.2 |
|  | n78 | 0.5 |
| DC\_1-5-7\_n78  DC\_1-5-7-7\_n78 | 1 | 0.2 |
|  | 5 | 0.2 |
|  | 7 | 0.2 |
|  | n78 | 0.5 |
| DC\_1-7\_n3-n78 | n78 | 0.5 |
| DC\_1-7\_n7-n78 | 1 | 0.2 |
|  | 7 | 0.2 |
|  | n7 | 0.2 |
|  | n78 | 0.5 |
| DC\_1-7-8\_n28 | 8 | 0.2 |
|  | n28 | 0.2 |
| DC\_1-7-8\_n78 | 1 | 0.2 |
|  | 7 | 0.2 |
|  | 8 | 0.2 |
|  | n78 | 0.5 |
| DC\_1-7-20\_n28 | 20 | 0.2 |
|  | n28 | 0.2 |
| DC\_1-7-20\_n78 | 1 | 0.2 |
|  | 7 | 0.2 |
|  | 20 | 0.2 |
|  | n78 | 0.5 |
| DC\_1-7-28\_n3 | 28 | 0.2 |
| DC\_1-7-28\_n5 | 28 | 0.2 |
|  | n5 | 0.2 |
| DC\_1-7-28\_n7 | 28 | 0.2 |
| DC\_1-7-28\_n40 | 7 | 0.3 |
|  | 28 | 0.2 |
|  | n40 | 0.8 |
| DC\_1-7-28\_n78 | 1 | 0.2 |
|  | 7 | 0.2 |
|  | 28 | 0.2 |
|  | n78 | 0.5 |
| DC\_1-7\_n28-n78 | 1 | 0.2 |
|  | 7 | 0.2 |
|  | n28 | 0.2 |
|  | n78 | 0.5 |
| DC\_1-7-32\_n28 | n28 | 0.2 |
| DC\_1-7-40\_n78 | 1 | 0.2 |
|  | 40 | 0.48 |
|  | n78 | 0.58 |
| DC\_1-7\_n40-n78 | 1 | 0.2 |
|  | n40 | 0.4 |
|  | n78 | 0.5 |
| DC\_1-8\_n3-n28 | 8 | 0.2 |
|  | n28 | 0.2 |
| DC\_1-8\_n3-n77 | 1 | 0.2 |
|  | 8 | 0.2 |
|  | n3 | 0.2 |
|  | n77 | 0.5 |
| DC\_1-8-11\_n3 | 11 | 0.3 |
|  | n3 | 0.5 |
| DC\_1-8-11\_n28 | 8 | 0.2 |
|  | n28 | 0.2 |
| DC\_1-8-11\_n77 | 1 | 0.2 |
|  | 8 | 0.2 |
|  | n77 | 0.5 |
| DC\_1-8-11\_n78 | 8 | 0.2 |
|  | n78 | 0.5 |
| DC\_1-8-20\_n78 | 8 | 0.2 |
|  | n78 | 0.5 |
| DC\_1-8\_n28-n77 | 1 | 0.2 |
|  | 8 | 0.2 |
|  | n28 | 0.2 |
|  | n77 | 0.5 |
| DC\_1-8\_n40-n78 | 1 | 0 |
|  | 8 | 0.2 |
|  | n40 | 0.4 |
|  | n78 | 0.5 |
| DC\_1-8-40\_n78 | 1 | 0.2 |
|  | 8 | 0.2 |
|  | 40 | 0.48 |
|  | n78 | 0.58 |
| DC\_1-8-42\_n3 | 8 | 0.2 |
|  | 42 | 0.5 |
|  | n3 | 0.2 |
| DC\_1-8-42\_n28 | 8 | 0.2 |
|  | 42 | 0.5 |
|  | n28 | 0.5 |
| DC\_1-8-42\_n77 | 1 | 0.2 |
|  | 8 | 0.2 |
|  | 42 | 0.5 |
|  | n77 | 0.5 |
| DC\_1-11\_n3-n28 | 11 | 0.3 |
|  | n3 | 0.5 |
|  | n28 | 0.2 |
| DC\_1-18\_n3-n77 | 1 | 0.2 |
|  | n3 | 0.2 |
|  | n77 | 0.5 |
| DC\_1-18\_n3-n78 | 1 | 0.2 |
|  | n3 | 0.2 |
|  | n78 | 0.5 |
| DC\_1-11-18\_n77 | 1 | 0.2 |
|  | n77 | 0.5 |
| DC\_1-11-18\_n78 | n78 | 0.5 |
| DC\_1-18\_n28-n41 | n28 | 0.2 |
| DC\_1-18-28\_n77  DC\_1-18\_n28-n77 | n77 | 0.5 |
| DC\_1-18-28\_n78  DC\_1-18\_n28-n78 | n78 | 0.5 |
| DC\_1-18-41\_n3 | 41 | 03/0.54 |
| DC\_1-18-41\_n3 | 41 | 06/0.57 |
| DC\_1-18-41\_n77  DC\_1-18\_n41-n77 | 1 | 0.2 |
|  | n77 | 0.5 |
| DC\_1-18-41\_n78  DC\_1-18\_n41-n78 | n78 | 0.5 |
| DC\_1-18-42\_n77 | 42 | 0.5 |
|  | n77 | 0.5 |
| DC\_1-18-42\_n78 | 42 | 0.5 |
|  | n78 | 0.5 |
| DC\_1-18-42\_n79 | 42 | 0.5 |
| DC\_1-19-42\_n77 | 1 | 0.2 |
|  | 42 | 0.5 |
|  | n77 | 0.5 |
| DC\_1-19-42\_n78 | 42 | 0.5 |
|  | n78 | 0.5 |
| DC\_1-19-42\_n79 | 42 | 0.5 |
| DC\_1-19\_n77-n79 | 1 | 0.3 |
|  | 19 | 0.3 |
|  | n77 | 0.5 |
| DC\_1-19\_n78-n79 | 1 | 0.3 |
|  | 19 | 0.3 |
|  | n78 | 0.5 |
| DC\_1-20\_n3-n78 | n78 | 0.5 |
| DC\_1-20\_n28-n78 | 20 | 0.2 |
|  | n28 | 0.2 |
|  | n78 | 0.5 |
| DC\_1-20-38\_n78 | 38 | 0.4 |
|  | n78 | 0.5 |
| DC\_1-20-40\_n78 | n78 | 0.88 |
| DC\_1-20\_n41-n78 | n78 | 0.5 |
| DC\_1-21-42\_n77 | 1 | 0.2 |
|  | 42 | 0.5 |
|  | n77 | 0.5 |
| DC\_1-21-42\_n78 | 42 | 0.5 |
|  | n78 | 0.5 |
| DC\_1-21-42\_n79 | 42 | 0.5 |
| DC\_1-21\_n77-n79 | n77 | 0.5 |
| DC\_1-21\_n78-n79 | n78 | 0.5 |
| DC\_1-28\_n3-n77 | 1 | 0.2 |
|  | 28 | 0.2 |
|  | n3 | 0.2 |
|  | n77 | 0.5 |
| DC\_1-28\_n3-n78 | 1 | 0.2 |
|  | 28 | 0.2 |
|  | n3 | 0.2 |
|  | n78 | 0.5 |
| DC\_1-28\_n40-n78 | 28 | 0.2 |
|  | n40 | 0.45 |
|  | n78 | 0.55 |
| DC\_1-28-42\_n77 | 1 | 0.2 |
|  | 28 | 0.2 |
|  | 42 | 0.5 |
|  | n77 | 0.5 |
| DC\_1-28-42\_n78 | 28 | 0.2 |
|  | 42 | 0.5 |
|  | n78 | 0.5 |
| DC\_1-28\_n7-n78 | 1 | 0.2 |
|  | 28 | 0.2 |
|  | n7 | 0.2 |
|  | n78 | 0.5 |
| DC\_1-28-42\_n79 | 28 | 0.2 |
|  | 42 | 0.5 |
| DC\_1-41\_n3-n41 | 41 | 03/0.54 |
|  | n41 | 03/0.54 |
| DC\_1-41\_n3-n77 | 1 | 0.2 |
|  | 41 | 03/0.54 |
|  | n3 | 0.2 |
|  | n77 | 0.5 |
| DC\_1-41\_n3-n78 | 1 | 0.2 |
|  | 41 | 03/0.54 |
|  | n3 | 0.2 |
|  | n78 | 0.5 |
| DC\_1-41\_n28-n41 | 41 | 03/0.54 |
|  | n41 | 03/0.54 |
| DC\_1-41\_n28-n77 | 1 | 0.2 |
|  | n28 | 0.2 |
|  | n77 | 0.5 |
| DC\_1-41\_n28-n78 | n28 | 0.2 |
|  | n78 | 0.5 |
| DC\_1-41\_n41-n77 | n77 | 0.5 |
| DC\_1-41\_n41-n78 | n78 | 0.5 |
| DC\_1-41-42\_n77 | 42 | 0.5 |
|  | n77 | 0.5 |
| DC\_1-41-42\_n78 | 42 | 0.5 |
|  | n78 | 0.5 |
| DC\_1-41-42\_n79 | 42 | 0.5 |
| DC\_1-41-42\_n79 | 42 | 0.5 |
| DC\_1-42\_n28-n77 | 1 | 0.2 |
|  | 42 | 0.5 |
|  | n28 | 0.5 |
|  | n77 | 0.5 |
| DC\_1-42\_n77-n79 | 1 | 0.2 |
|  | 42 | 0.5 |
|  | n77 | 0.5 |
| DC\_1-42\_n78-n79 | 1 | 0.2 |
|  | 42 | 0.5 |
|  | n78 | 0.5 |
| DC\_2-4-7\_n28 | 2 | 0.3 |
|  | 4 | 0.5 |
|  | 7 | 0.5 |
|  | n28 | 0.2 |
| DC\_2-5-7\_n66 DC\_2-2-5-7\_n66  DC\_2-5-7-7\_n66 | 2 | 0.3 |
|  | 7 | 0.5 |
|  | n66 | 0.5 |
| DC\_2-5\_(n)12 | 5 | 0.5 |
|  | 12 | 0.3 |
|  | n12 | 0.3 |
| DC\_2-12\_(n)5 | 5 | 0.5 |
|  | 12 | 0.5 |
| DC\_2-5-48\_n12 | 2 | 0.2 |
|  | 5 | 0.5 |
|  | 48 | 0.5 |
|  | n12 | 0.3 |
| DC\_2-5-48\_n71 | 2 | 0.2 |
|  | 48 | 0.5 |
| DC\_2-5-66\_n2 | 2 | 0.3 |
|  | 66 | 0.3 |
|  | n2 | 0.3 |
| DC\_2-5-66\_n5 | 2 | 0.3 |
|  | 66 | 0.3 |
| DC\_2-5-66\_n7 | 2 | 0.3 |
|  | 66 | 0.5 |
|  | n7 | 0.5 |
| DC\_2-5-66\_n12 | 2 | 0.2 |
|  | 5 | 0.5 |
|  | 66 | 0.5 |
|  | n12 | 0.3 |
| DC\_2-5-66\_n66 | 2 | 0.3 |
|  | 66 | 0.3 |
|  | n66 | 0.3 |
| DC\_2-5-66\_n71 | 2 | 0.3 |
|  | 66 | 0.3 |
| DC\_2-5-66\_n77  DC\_2-2-5-66\_n77  DC\_2-5-66-66\_n77 | 2 | 0.3 |
|  | 66 | 0.3 |
|  | n77 | 0.5 |
| DC\_2-7-12\_n66 DC\_2-2-7-12\_n66 | 2 | 0.3 |
|  | 7 | 0.5 |
|  | 12 | 0.5 |
|  | n66 | 0.3 |
| DC\_2-7-12\_n78 DC\_2-2-7-12\_n78 | 2 | 0.2 |
|  | 7 | 0.2 |
|  | 12 | 0.2 |
|  | n78 | 0.5 |
| DC\_2-7-13\_n66  DC\_2-7-7-13\_n66  DC\_2-2-7-7-13\_n66 | 2 | 0.3 |
|  | 7 | 0.5 |
|  | n66 | 0.5 |
| DC\_2-7-28\_n66 | 2 | 0.3 |
|  | 7 | 0.5 |
|  | 28 | 0.2 |
|  | n66 | 0.5 |
| DC\_2-7\_n38-n66  DC\_2-7-7\_n38-n66 | 2 | 0.3 |
|  | n66 | 0.5 |
| DC\_2-7\_n38-n78  DC\_2-7-7\_n38-n78 | 2 | 0.2 |
|  | n78 | 0.5 |
| DC\_2-7-66\_n2 | 2 | 0.3 |
|  | 7 | 0.5 |
|  | 66 | 0.5 |
|  | n2 | 0.3 |
| DC\_2-7-66\_n7  DC\_2-7-66-66\_n7 | 2 | 0.3 |
|  | 7 | 0.5 |
|  | 66 | 0.5 |
|  | n7 | 0.5 |
| DC\_2-7-66\_n28 | 2 | 0.3 |
|  | 7 | 0.5 |
|  | 66 | 0.5 |
|  | n28 | 0.2 |
| DC\_2-7-66\_n38  DC\_2-2-7-66\_n38 | 2 | 0.3 |
|  | 7 | 0.5 |
|  | 66 | 0.5 |
|  | n38 | 0.5 |
| DC\_2-7-66\_n66  DC\_2-7-7-66\_n66 | 2 | 0.3 |
|  | 7 | 0.5 |
|  | 66 | 0.5 |
|  | n66 |  |
| DC\_2-7-66\_n71, DC\_2-2-7-66\_n71 | 2 | 0.3 |
|  | 7 | 0.5 |
|  | 66 | 0.5 |
| DC\_2-7-66\_n77 | 2 | 0.2 |
|  | 7 | 0.5 |
|  | 66 | 0.5 |
|  | n77 | 0.5 |
| DC\_2-7-66\_n78 DC\_2-2-7-66\_n78 | 2 | 0.3 |
|  | 66 | 0.3 |
|  | n78 | 0.5 |
| DC\_2-7\_n66-n78  DC\_2-7-7\_n66-n78 | 2 | 0.3 |
|  | 7 | 0.5 |
|  | n66 | 0.5 |
|  | n78 | 0.5 |
| DC\_2-7-71\_n2 | 71 | 0.2 |
| DC\_2-7-71\_n66 DC\_2-2-7-71\_n66 | 2 | 0.3 |
|  | 7 | 0.5 |
|  | n66 | 0.3 |
| DC\_2-7-71\_n78 DC\_2-2-7 -71\_n78 | 2 | 0.2 |
|  | 7 | 0.2 |
|  | 71 | 0.2 |
|  | n78 | 0.5 |
| DC\_2-12-30\_n2 | 2 | 0.4 |
|  | 30 | 0.5 |
|  | n2 | 0.4 |
| DC\_2-12-30\_n66 | 2 | 0.4 |
|  | 12 | 0.5 |
|  | 30 | 0.5 |
|  | n66 | 0.4 |
| DC\_2-12-48\_n5 | 2 | 0.3 |
|  | 12 | 0.3 |
|  | 48 | 0.5 |
|  | n5 | 0.5 |
| DC\_2-12-66\_n5 | 2 | 0.3 |
|  | 12 | 0.5 |
|  | 66 | 0.5 |
|  | n5 | 0.3 |
| DC\_2-12-66\_n2 | 2 | 0.3 |
|  | 12 | 0.5 |
|  | 66 | 0.3 |
|  | n2 | 0.3 |
| DC\_2-12-66\_n41 DC\_2-2-12-66\_n41 | 2 | 0.5 |
|  | 12 | 0.8 |
|  | 66 | 0.5 |
|  | n41 | 0.5 |
| DC\_2-12-66\_n66 | 2 | 0.3 |
|  | 12 | 0.5 |
|  | 66 | 0.3 |
|  | n66 | 0.3 |
| DC\_2-12-66\_n78 DC\_2-2-12-66\_n78 | 2 | 0.3 |
|  | 66 | 0.3 |
|  | n78 | 0.5 |
| DC\_2-13-66\_n2 | 2 | 0.3 |
|  | 66 | 0.3 |
|  | n2 | 0.3 |
| DC\_2-13-66\_n5 | 2 | 0.3 |
|  | 66 | 0.3 |
| DC\_2-13-66\_n48 | 2 | 0.3 |
|  | 66 | 0.3 |
|  | n48 | 0.5 |
| DC\_2-13-66\_n66 | 2 | 0.3 |
|  | 66 | 0.3 |
|  | n66 |  |
| DC\_2-13-66\_n77  DC\_2-2-13-66\_n77  DC\_2-13-66-66\_n77 | 2 | 0.3 |
|  | 66 | 0.3 |
|  | n77 | 0.5 |
| DC\_2-13\_n66-n77 | 2 | 0.3 |
|  | n66 | 0.3 |
|  | n77 | 0.5 |
| DC\_2-14-66\_n2  DC\_2-14-66-66\_n2 | 2 | 0.3 |
|  | 66 | 0.3 |
|  | n2 | 0.3 |
| DC\_2-14-66\_n66  DC\_2-2-14-66\_n66 | 2 | 0.3 |
|  | 66 | 0.3 |
|  | n66 | 0.3 |
| DC\_2-28-66\_n7 | 2 | 0.3 |
|  | 28 | 0.2 |
|  | 66 | 0.5 |
|  | n7 | 0.5 |
| DC\_2-28-66\_n66 | 2 | 0.3 |
|  | 28 | 0.2 |
|  | 66 | 0.3 |
|  | n66 | 0.3 |
| DC\_2-29-30\_n2 | 2 | 0.4 |
|  | 30 | 0.5 |
|  | n2 | 0.4 |
| DC\_2-29-66\_n2  DC\_2-29-66-66\_n2 | 2 | 0.3 |
|  | 66 | 0.3 |
|  | n2 | 0.3 |
| DC\_2-29-66\_n66 | 2 | 0.3 |
|  | 66 | 0.3 |
|  | n66 | 0.3 |
| DC\_2-29-66\_n78 | 2 | 0.3 |
|  | 66 | 0.3 |
|  | n78 | 0.5 |
| DC\_2-30-66\_n2  DC\_2-30-66-66\_n2 | 2 | 0.4 |
|  | 30 | 0.5 |
|  | 66 | 0.4 |
|  | n2 | 0.4 |
| DC\_2-30-66\_n5 | 2 | 0.4 |
|  | 30 | 0.5 |
|  | 66 | 0.4 |
| DC\_2-30-66\_n66 | 2 | 0.4 |
|  | 30 | 0.5 |
|  | 66 | 0.4 |
|  | n66 | 0.4 |
| DC\_2-46\_n41-n66 | 2 | 0.3 |
|  | n41 | 0.5 |
|  | n66 | 0.5 |
| DC\_2-46\_n41-n71 | n71 | 0.2 |
| DC\_2-46-48\_n5 | 2 | 0.2 |
|  | 48 | 0.5 |
| DC\_2-46-48\_n66 | 2 | 0.3 |
|  | 48 | 0.5 |
|  | n66 | 0.3 |
| DC\_2-46-66\_n41 | 2 | 0.3 |
|  | 66 | 0.5 |
|  | n41 | 0.51 |
|  |  | 12 |
| DC\_2-48\_(n)5 | 2 | 0.2 |
|  | 48 | 0.5 |
| DC\_2-48\_n48-n66 | 2 | 0.3 |
|  | 48 | 0.4 |
|  | n48 | 0.4 |
|  | n66 | 0.3 |
| DC\_2-48-66\_n5 | 2 | 0.3 |
|  | 48 | 0.5 |
|  | 66 | 0.3 |
| DC\_2-48-66\_n12 | 2 | 0.3 |
|  | 48 | 0.5 |
|  | 66 | 0.3 |
| DC\_2-48-66\_n71 | 2 | 0.3 |
|  | 48 | 0.5 |
|  | 66 | 0.3 |
| DC\_2-48-66\_n77 | 2 | 0.3 |
|  | 48 | 0.5 |
|  | 66 | 0.3 |
|  | n77 | 0.5 |
| DC\_2-66\_(n)5 | 2 | 0.3 |
|  | 66 | 0.3 |
| DC\_2-66\_n5-n77 | 2 | 0.3 |
|  | 66 | 0.3 |
|  | n77 | 0.5 |
| DC\_2-66\_n38-n78 | 2 | 0.5 |
|  | 66 | 0.5 |
|  | n38 | 0.5 |
|  | n78 | 0.5 |
| DC\_2-66-71\_n38  DC\_2-2-66-71\_n38 | 2 | 0.3 |
|  | 66 | 0.5 |
|  | n38 | 0.5 |
| DC\_2-66-71\_n41 DC\_2-2-66-71\_n41 | 2 | 0.3 |
|  | 66 | 0.3 |
|  | 71 | 0.5 |
| n41 | 0.51 |
| 12 |
| DC\_2-66-71\_n66 | 2 | 0.3 |
|  | 66 | 0.3 |
|  | n66 | 0.3 |
| DC\_2-66-71\_n71 | 2 | 0.3 |
|  | 66 | 0.3 |
| DC\_2-66-71\_n78  DC\_2-2-66-71\_n78 | 2 | 0.3 |
|  | 66 | 0.5 |
|  | n78 | 0.5 |
| DC\_2-66-(n)71 | 2 | 0.3 |
|  | 66 | 0.3 |
| DC\_2-66\_n41-n71 | 2 | 0.3 |
|  | 66 | 0.3 |
|  | n41 | 0.51 |
|  |  | 12 |
|  | n71 | 0.5 |
| DC\_2-66\_n66-n77 | 2 | 0.3 |
|  | 66 | 0.3 |
|  | n66 | 0.3 |
|  | n77 | 0.5 |
| DC\_2-66\_n66-n78 | 2 | 0.3 |
|  | 66 | 0.3 |
|  | n66 | 0.3 |
|  | n78 | 0.5 |
| DC\_2-66-71\_n2 | 2 | 0.3 |
|  | 66 | 0.3 |
|  | n2 | 0.3 |
| DC\_3-5-7\_n78  DC\_3-5-7-7\_n78 | 3 | 0.2 |
|  | 5 | 0.2 |
|  | 7 | 0.2 |
|  | n78 | 0.5 |
| DC\_3-5-41\_n79 | 41 | 03/0.53 |
| DC\_3-7\_n1-n40 | 3 | 0 |
|  | 7 | 0.3 |
|  | n1 | 0 |
|  | n40 | 0.8 |
| DC\_3-7\_n1-n78 | 3 | 0.3 |
|  | 7 | 0.3 |
|  | n1 | 0.3 |
|  | n78 | 0.5 |
| DC\_3-7-7\_n78 | 3 | 0.2 |
|  | 7 | 0.2 |
|  | n78 | 0.5 |
| DC\_3-7-8\_n1  DC\_3-3-7-8\_n1  DC\_3-7-7-8\_n1  DC\_3-3-7-7-8\_n1 | 8 | 0.2 |
| DC\_3-7-8\_n28 | 8 | 0.2 |
|  | n28 | 0.1 |
| DC\_3-7-8\_n40 | 8 | 0.2 |
|  | n40 | 0.5 |
| DC\_3-7-8\_n77 | 3 | 0.2 |
|  | 7 | 0.2 |
|  | 8 | 0.2 |
|  | n77 | 0.5 |
| DC\_3-7-8\_n78  DC\_3-3-7-8\_n78  DC\_3-7-7-8\_n78  DC\_3-3-7-7-8\_n78 | 3 | 0.2 |
|  | 7 | 0.2 |
|  | 8 | 0.2 |
|  | n78 | 0.5 |
| DC\_3-7\_n7-n78 | 3 | 0.2 |
|  | 7 | 0.2 |
|  | n7 | 0.2 |
|  | n78 | 0.5 |
| DC\_3-7-20\_n28 | 20 | 0.2 |
|  | n28 | 0.1 |
| DC\_3-7-20\_n78 | 3 | 0.2 |
|  | 7 | 0.2 |
|  | n78 | 0.5 |
| DC\_3-7-28\_n1 | 28 | 0.2 |
| DC\_3-7-28\_n40 | 7 | 0.3 |
|  | n40 | 0.8 |
| DC\_3-7-28\_n78  DC\_3-7\_n28-n78 | 3 | 0.2 |
|  | 7 | 0.2 |
|  | 28 or n28 | 0.2 |
|  | n78 | 0.5 |
| DC\_3-7-40\_n1 | 7 | 0.3 |
|  | 40 | 0.8 |
| DC\_3-7\_n40-n78 | 3 | 0.2 |
|  | n40 | 0.48 |
|  | n78 | 0.58 |
| DC\_3-7\_SUL\_n78-n80 | 7 | 0.2 |
|  | 3 | 0.2 |
|  | n78 | 0.5 |
| DC\_3-8\_n1-n78  DC\_3-3-8\_n1-n78 | 3 | 0.2 |
|  | 8 | 0.2 |
|  | n1 | 0.2 |
|  | n78 | 0.5 |
| DC\_3-8-11\_n28 | 3 | 0.3 |
|  | 8 | 0.2 |
|  | 11 | 0.5 |
|  | n28 | 0.2 |
| DC\_3-8-11\_n77 | 3 | 0.3 |
|  | 8 | 0.2 |
|  | 11 | 0.5 |
|  | n77 | 0.5 |
| DC\_3-8-20\_n78 | 3 | 0.2 |
|  | 8 | 0.2 |
|  | n78 | 0.5 |
| DC\_3-8\_n28-n77 | 3 | 0.2 |
|  | 8 | 0.2 |
|  | n28 | 0.2 |
|  | n77 | 0.5 |
| DC\_3-8-40\_n1 | 40 | 0.2 |
|  | n1 | 0.1 |
| DC\_3-8-40\_n78 | 3 | 0.2 |
|  | 8 | 0.2 |
|  | 40 | 0.48 |
|  | n78 | 0.58 |
| DC\_3-8\_n40-n78 | 3 | 0.2 |
|  | 8 | 0.2 |
|  | n40 | 0.4 |
|  | n78 | 0.5 |
| DC\_3-8-42\_n77 | 3 | 0.2 |
|  | 8 | 0.2 |
|  | 42 | 0.5 |
|  | n77 | 0.5 |
| DC\_3-8\_SUL\_n78-n80 | 3 | 0.2 |
|  | 8 | 0.2 |
|  | n78 | 0.5 |
| DC\_3-18\_n3-n41 | 3 | 0.2 |
|  | n3 | 0.2 |
| DC\_3-18\_n3-n77 | 3 | 0.2 |
|  | n3 | 0.2 |
|  | n77 | 0.5 |
| DC\_3-18\_n3-n78 | 3 | 0.2 |
|  | n3 | 0.2 |
|  | n78 | 0.5 |
| DC\_3-18\_n28-n41 | 3 | 0.2 |
|  | n28 | 0.2 |
| DC\_3-18\_n28-n77 | **3** | 0.2 |
|  | n28 | 0.2 |
|  | n77 | 0.5 |
| DC\_3-18\_n28-n78 | **3** | 0.2 |
|  | n28 | 0.2 |
|  | n78 | 0.5 |
| DC\_3-18\_n41-n77 | 3 | 0.2 |
|  | n77 | 0.5 |
| DC\_3-18\_n41-n78 | 3 | 0.2 |
|  | n78 | 0.5 |
| DC\_3-18-42\_n77 | 42 | 0.5 |
|  | n77 | 0.5 |
| DC\_3-18-42\_n78 | 42 | 0.5 |
|  | n78 | 0.5 |
| DC\_3-18-42\_n79 | 3 | 0.2 |
|  | 42 | 0.5 |
| DC\_3-19\_n1-n77 | 3 | 0.2 |
|  | n1 | 0.2 |
|  | n77 | 0.5 |
| DC\_3-19\_n1-n78 | 3 | 0.2 |
|  | n1 | 0.2 |
|  | n78 | 0.5 |
| DC\_3-19-21\_n77 | 3 | 0.3 |
|  | 21 | 0.5 |
|  | n77 | 0.5 |
| DC\_3-19-21\_n78 | 3 | 0.3 |
|  | 21 | 0.5 |
|  | n78 | 0.5 |
| DC\_3-19-21\_n79 | 3 | 0.3 |
|  | 21 | 0.5 |
| DC\_3-19-42\_n1 | 3 | 0.2 |
|  | 42 | 0.5 |
|  | n1 | 0.2 |
| DC\_3-19-42\_n77 | 3 | 0.2 |
|  | 42 | 0.5 |
|  | n77 | 0.5 |
| DC\_3-19-42\_n78 | 3 | 0.2 |
|  | 42 | 0.5 |
|  | n78 | 0.5 |
| DC\_3-19-42\_n79 | 3 | 0.2 |
|  | 42 | 0.5 |
| DC\_3-19\_n77-n79 | 3 | 0.2 |
|  | n77 | 0.5 |
| DC\_3-19\_n78-n79 | 3 | 0.2 |
|  | n78 | 0.5 |
| DC\_3-20\_n1-n28 | n1 | 0.2 |
|  | n28 | 0.2 |
| DC\_3-20\_n1-n78 | n1 | 0.2 |
|  | 3 | 0.2 |
|  | n78 | 0.5 |
| DC\_3-20\_n7-n28 | 20 | 0.1 |
|  | n28 | 0.1 |
| DC\_3-20\_n28-n78 | 3 | 0.2 |
|  | 20 | 0.2 |
|  | n28 | 0.2 |
|  | n78 | 0.5 |
| DC\_3-20-38\_n78  DC\_3-20\_n38-n78 | 3 | 0.2 |
|  | 20 | 0.2 |
|  | 38 or n38 | 0.4 |
|  | n78 | 0.5 |
| DC\_3-20-40\_n78 | 3 | 0.2 |
|  | 28 | 0.2 |
|  | 40 | 0.45 |
|  | n78 | 0.55 |
| DC\_3-20\_n41-n78 | n78 | 0.5 |
| DC\_3\_20\_SUL\_n78-n80 | 3 | 0.2 |
|  | n78 | 0.5 |
| DC\_3-21\_n1-n77 | 3 | 0.3 |
|  | 21 | 0.5 |
|  | n1 | 0.2 |
|  | n77 | 0.5 |
| DC\_3-21\_n1-n78 | 3 | 0.3 |
|  | 21 | 0.5 |
|  | n1 | 0.2 |
|  | n78 | 0.5 |
| DC\_3-21\_n1-n79 | 3 | 0.3 |
|  | 21 | 0.5 |
| DC\_3-21-42\_n1 | 3 | 0.3 |
|  | 21 | 0.5 |
|  | 42 | 0.5 |
|  | n1 | 0.2 |
| DC\_3-21-42\_n77 | 3 | 0.3 |
|  | 21 | 0.5 |
|  | 42 | 0.5 |
|  | n77 | 0.5 |
| DC\_3-21-42\_n78 | 3 | 0.3 |
|  | 21 | 0.5 |
|  | 42 | 0.5 |
|  | n78 | 0.5 |
| DC\_3-21-42\_n79 | 3 | 0.3 |
|  | 21 | 0.5 |
|  | 42 | 0.5 |
| DC\_3-21\_n77-n79 | 3 | 0.3 |
|  | 21 | 0.5 |
|  | n77 | 0.5 |
| DC\_3-21\_n78-n79 | 3 | 0.3 |
|  | 21 | 0.5 |
|  | n78 | 0.5 |
| DC\_3-28\_n1-n40 | 3 | 0 |
|  | 28 | 0.2 |
|  | n1 | 0 |
|  | n40 | 0 |
| DC\_3-28\_n7-n78  DC\_3-3-28\_n7-n78 | 3 | 0.5 |
|  | 28 | 0.2 |
|  | n7 | 0.4 |
|  | n78 | 0.5 |
| DC\_3-28\_n40-n78 | 3 | 0.2 |
|  | 28 | 0.2 |
|  | n40 | 0.45 |
|  | n78 | 0.55 |
| DC\_3-28-41\_n78 | 3 | 0.5 |
|  | 28 | 0.2 |
|  | 41 | 0.43/0.54 |
|  | n78 | 0.5 |
| DC\_3-28-42\_n77 | 3 | 0.2 |
|  | 28 | 0.2 |
|  | 42 | 0.5 |
|  | n77 | 0.5 |
| DC\_3-28-42\_n78 | 3 | 0.2 |
|  | 28 | 0.2 |
|  | 42 | 0.5 |
|  | n78 | 0.5 |
| DC\_3-28-42\_n79 | 3 | 0.2 |
|  | 28 | 0.2 |
|  | 42 | 0.5 |
| DC\_3-41\_n3-n41 | 41 | 03/0.54 |
|  | n41 | 03/0.54 |
| DC\_3-41\_n3-n77 | 3 | 0.2 |
|  | 41 | 03/0.54 |
|  | n3 | 0.2 |
|  | n77 | 0.5 |
| DC\_3-41\_n3-n78 | 3 | 0.2 |
|  | 41 | 03/0.54 |
|  | n3 | 0.2 |
|  | n78 | 0.5 |
| DC\_3-41\_n28-n41 | 3 | 0.2 |
|  | 41 | 01/0.52 |
|  | n28 | 0.2 |
|  | n41 | 01/0.52 |
| DC\_3-41\_n28-n77 | 3 | 0.2 |
|  | 41 | 03/0.54 |
|  | n28 | 0.2 |
|  | n77 | 0.5 |
| DC\_3-41\_n28-n78 | 3 | 0.5 |
|  | 41 | 0.43/0.54 |
|  | n28 | 0.2 |
|  | n78 | 0.5 |
| DC\_3-41\_n41-n77 | 3 | 0.2 |
|  | 41 | 03/0.54 |
|  | n41 | 03/0.54 |
|  | n77 | 0.5 |
| DC\_3-41\_n41-n78 | 3 | 0.2 |
|  | 41 | 03/0.54 |
|  | n41 | 03/0.54 |
|  | n78 | 0.5 |
| DC\_3-41-42\_n77 | 3 | 0.5 |
|  | 41 | 03/0.54 |
|  | 42 | 0.5 |
|  | n77 | 0.5 |
| DC\_3-41-42\_n78 | 3 | 0.5 |
|  | 41 | 03/0.54 |
|  | 42 | 0.5 |
|  | n78 | 0.5 |
| DC\_3-41-42\_n79 | 3 | 0.5 |
|  | 41 | 03/0.54 |
|  | 42 | 0.5 |
| DC\_3-42\_n1-n77 | 3 | 0.2 |
|  | 42 | 0.5 |
|  | n1 | 0.2 |
|  | n77 | 0.5 |
| DC\_3-42\_n1-n78 | 3 | 0.2 |
|  | 42 | 0.5 |
|  | n1 | 0.2 |
|  | n78 | 0.5 |
| DC\_3-42\_n1-n79 | 3 | 0.2 |
|  | 42 | 0.5 |
|  | n1 | 0.2 |
| DC\_3-42\_n28-n77 | 3 | 0.2 |
|  | 42 | 0.5 |
|  | n28 | 0.5 |
|  | n77 | 0.5 |
| DC\_3-42\_n77-n79 | 3 | 0.2 |
|  | 42 | 0.5 |
|  | n77 | 0.5 |
| DC\_3-42\_n78-n79 | 3 | 0.2 |
|  | 42 | 0.5 |
|  | n78 | 0.5 |
| DC\_5-7-66\_n2 | 7 | 0.5 |
|  | 66 | 0.5 |
|  | n2 | 0.3 |
| DC\_5-7-66\_n7  DC\_5-7-66-66\_n7 | 7 | 0.5 |
|  | 66 | 0.5 |
|  | n7 | 0.5 |
| DC\_5-7-66\_n66 | 5 | 0.3 |
|  | 66 | 0.3 |
|  | n66 |  |
| DC\_5-7-7\_n78 | 5 | 0.2 |
|  | 7 | 0.2 |
|  | n78 | 0.5 |
| DC\_5-48\_(n)12 | 5 | 0.5 |
|  | 12 | 0.3 |
|  | n12 | 0.5 |
| DC\_5-48-66\_n12 | 5 | 0.5 |
|  | 48 | 0.5 |
|  | 66 | 0.2 |
|  | n12 | 0.3 |
| DC\_5-48-66\_n71 | 48 | 0.5 |
|  | 66 | 0.2 |
| DC\_5-66\_(n)12 | 12 | 0.5 |
|  | 66 | 0.5 |
|  | n12 | 0.5 |
| DC\_7-8\_n1-n78  DC\_7-7-8\_n1-n78 | 7 | 0.2 |
|  | 8 | 0.2 |
|  | n1 | 0.2 |
|  | n78 | 0.5 |
| DC\_7-8-32\_n1 | 8 | 0.2 |
| DC\_7-8-40\_n1 | 7 | 0.3 |
|  | 8 | 0.2 |
|  | 40 | 0.8 |
| DC\_7-8-40\_n78 | 8 | 0.2 |
|  | 40 | 0.48 |
|  | n78 | 0.58 |
| DC\_7-8\_n40-n78 | 7 | 0 |
|  | 8 | 0.2 |
|  | n40 | 0.4 |
|  | n78 | 0.5 |
| DC\_7-12-66\_n2 | 7 | 0.5 |
|  | 12 | 0.5 |
|  | 66 | 0.3 |
|  | n2 | 0.3 |
| DC\_7-12-66\_n78 | 7 | 0.5 |
|  | 12 | 0.2 |
|  | 66 | 0.5 |
|  | n78 | 0.5 |
| DC\_7-13-66\_n66 | 7 | 0.5 |
|  | 66 | 0.5 |
|  | n66 |  |
| DC\_7-20\_n1-n78 | 7 | 0.2 |
|  | 20 | 0.2 |
|  | n1 | 0.2 |
|  | n78 | 0.5 |
| DC\_7-20\_n3-n78 | n78 | 0.5 |
| DC\_7-20\_n28-n78 | 20 | 0.2 |
|  | n28 | 0.2 |
|  | n78 | 0.5 |
| DC\_7-20-32\_n28 | n28 | 0.2 |
| DC\_7-20-32\_n78 | n78 | 0.5 |
| DC\_7-28\_n1-n40 | 7 | 0.3 |
|  | 28 | 0.2 |
|  | n1 | 0 |
|  | n40 | 0.8 |
| DC\_7-28\_n3-n78 | 7 | 0.5 |
|  | 28 | 0.2 |
|  | n3 | 0.5 |
|  | n78 | 0.5 |
| DC\_7-28\_n7-n78 | n78 | 0.5 |
| DC\_7-28\_n40-n78 | 28 | 0.2 |
|  | n40 | 0.4 |
|  | n78 | 0.5 |
| DC\_7-66\_n38-n78  DC\_7-7-66\_n38-n78 | 66 | 0.2 |
|  | n78 | 0.5 |
| DC\_7-28-66\_n7 | 7 | 0.5 |
|  | 28 | 0.2 |
|  | 66 | 0.5 |
|  | n7 | 0.5 |
| DC\_7-28-66\_n66 | 7 | 0.5 |
|  | 28 | 0.2 |
|  | 66 | 0.5 |
|  | n66 | 0.5 |
| DC\_7-66\_n66-n78  DC\_7-7-66\_n66-n78 | 7 | 0.5 |
|  | 66 | 0.5 |
|  | n66 | 0.5 |
|  | n78 | 0.5 |
| DC\_7-66-71\_n2 | 7 | 0.5 |
|  | 66 | 0.5 |
|  | n2 | 0.3 |
| DC\_7-66-71\_n78 | 7 | 0.2 |
|  | 66 | 0.2 |
|  | n78 | 0.5 |
| DC\_8\_n3-n28-n77 | 8 | 0.2 |
|  | n3 | 0.2 |
|  | n28 | 0.2 |
|  | n77 | 0.5 |
| DC\_8-11\_n3-n28 | 8 | 0.2 |
|  | 11 | 0.3 |
|  | n3 | 0.5 |
|  | n28 | 0.2 |
| DC\_8-42\_n28-n77 | 8 | 0.2 |
|  | 42 | 0.5 |
|  | n28 | 0.5 |
|  | n77 | 0.5 |
| DC\_12-30-66\_n2 | 12 | 0.5 |
|  | 30 | 0.5 |
|  | 66 | 0.4 |
|  | n2 | 0.4 |
| DC\_12-30-66\_n66 | 12 | 0.5 |
|  | 30 | 0.5 |
|  | 66 | 0.4 |
|  | n66 | 0.4 |
| DC\_12-48\_(n)5 | 5 | 0.5 |
|  | 12 | 0.3 |
|  | n5 | 0.5 |
| DC\_12-48-66\_n5 | 2 | 0.5 |
|  | 48 | 0.5 |
|  | 66 | 0.5 |
| DC\_12-66\_(n)5 | 12 | 0.5 |
|  | 66 | 0.5 |
| DC\_13-66\_n2-n77 | 66 | 0.2 |
|  | n2 | 0.2 |
|  | n77 | 0.5 |
| DC\_13-66\_n5-n48 | 13 | 0.3 |
|  | 66 | 0.2 |
|  | n5 | 0.5 |
|  | n48 | 0.5 |
| DC\_13-66\_n66-n77 | 66 | 0.2 |
|  | n66 | 0.2 |
|  | n77 | 0.5 |
| DC\_18-41\_n3-n77 | 18 | 0.2 |
|  | 41 | 03/0.54 |
|  | n3 | 0.2 |
|  | n77 | 0.5 |
| DC\_18-41\_n3-n78 | 18 | 0.2 |
|  | 41 | 03/0.54 |
|  | n3 | 0.2 |
|  | n78 | 0.5 |
| DC\_19-21\_n1-n77 | n77 | 0.5 |
| DC\_19-21\_n1-n78 | n1 | 0.2 |
|  | n78 | 0.5 |
| DC\_19-21-42\_n1 | 42 | 0.5 |
| DC\_19-21-42\_n77 | 42 | 0.5 |
|  | n77 | 0.5 |
| DC\_19-21-42\_n78 | 42 | 0.5 |
|  | n78 | 0.5 |
| DC\_19-21-42\_n79 | 42 | 0.5 |
| DC\_19-21\_n77-n79 | n77 | 0.5 |
| DC\_19-21\_n78-n79 | n78 | 0.5 |
| DC\_19-42\_n1-n77 | 42 | 0.5 |
|  | n1 | 0.2 |
|  | n77 | 0.5 |
| DC\_19-42\_n1-n78 | 42 | 0.5 |
|  | n78 | 0.5 |
| DC\_19-42\_n1-n79 | 42 | 0.5 |
| DC\_19-42\_n77-n79 | 42 | 0.5 |
|  | n77 | 0.5 |
| DC\_19-42\_n78-n79 | 42 | 0.5 |
|  | n78 | 0.5 |
| DC\_21-28-42\_n77 | 28 | 0.2 |
|  | 42 | 0.5 |
|  | n77 | 0.5 |
| DC\_21-28-42\_n78 | 28 | 0.2 |
|  | 42 | 0.5 |
|  | n78 | 0.5 |
| DC\_21-28-42\_n79 | 28 | 0.2 |
|  | 42 | 0.5 |
| DC\_21-42\_n1-n77 | 42 | 0.5 |
|  | n1 | 0.2 |
|  | n77 | 0.5 |
| DC\_21-42\_n1-n78 | 42 | 0.5 |
|  | n78 | 0.5 |
| DC\_21-42\_n1-n79 | 42 | 0.5 |
| DC\_21-42\_n77-n79 | 42 | 0.5 |
|  | n77 | 0.5 |
| DC\_21-42\_n78-n79 | 42 | 0.5 |
|  | n78 | 0.5 |
| DC\_28-41-42\_n78 | 28 | 0.2 |
|  | 41 | 0.4 |
|  | 42 | 0.5 |
|  | n78 | 0.5 |
| DC\_29-30-66\_n2  DC\_29-30-66-66\_n2 | 30 | 0.5 |
|  | 66 | 0.4 |
|  | n2 | 0.4 |
| DC\_29-30-66\_n66 | 30 | 0.5 |
|  | 66 | 0.3 |
|  | n66 | 0.3 |
| DC\_46-66\_n25-n41 | 66 | 0.3 |
|  | n25 | 0.3 |
|  | n41 | 0.51 |
|  |  | 12 |
| DC\_46-66\_n41-n71 | 66 | 0.3 |
|  | n41 | 0.51 |
|  |  | 12 |
|  | n71 | 0.2 |
| DC\_48-66\_n25-n48 | 48 | 0.4 |
|  | 66 | 0.3 |
|  | n25 | 0.3 |
|  | n48 | 0.4 |
| NOTE 1: The requirement is applied for UE transmitting on the frequency range of 2545 - 2690 MHz.  NOTE 2: The requirement is applied for UE transmitting on the frequency range of 2496 - 2545 MHz.  NOTE 3: The requirement is applied for UE transmitting on the frequency range of 2515 - 2690 MHz  NOTE 4: The requirement is applied for UE transmitting on the frequency range of 2496 – 2515 MHz.  NOTE 5: Only applicable for UE supporting inter-band carrier aggregation with uplink in one E-UTRA band and without simultaneous Rx/Tx.  NOTE 6: The requirement is applied for UE transmitting on the frequency range of 2515 - 2690 MHz.  NOTE 7: The requirement is applied for UE transmitting on the frequency range of 2496 - 2515 MHz.  NOTE 8: Only applicable for UE supporting inter-band carrier aggregation with uplink in one NR band and without simultaneous Rx/Tx. | | |

---End of changes---