**3GPP T****SG-RAN WG4 Meeting#109 R4-2320044**

**Chicago meeting, November 13 – November 17, 2023**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| *CR-Form-v12.2* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **8.101-1** | **CR** | **-** | **rev** |  | **Current version:** | **18.3.0** |  |
|  | | | | | | | | |
| *For* [***HELP***](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 |  |

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | | | | | | | | | |
| ***Title:*** | Draft CR 38.101-1 to add CA combinations of n1 n3 n7 n40 n78 n105 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | Nokia, Spark | | | | | | | | | |
| ***Source to TSG:*** | R4 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | NR\_CADC\_R18\_yBDL\_xBUL | | | | |  | ***Date:*** | | | 2023-10-24 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | **B** |  | | | | | ***Release:*** | | | Rel-18 |
|  | *Use one of the following categories:* ***F*** *(correction)* ***A*** *(mirror corresponding to a change in an earlier release)* ***B*** *(addition of feature),* ***C*** *(functional modification of feature)* ***D*** *(editorial modification)*  Detailed explanations of the above categories can be found in 3GPP [TR 21.900](http://www.3gpp.org/ftp/Specs/html-info/21900.htm). | | | | | | | | *Use one of the following releases: Rel-8 (Release 8) Rel-9 (Release 9) Rel-10 (Release 10) Rel-11 (Release 11) … Rel-16 (Release 16) Rel-17 (Release 17) Rel-18 (Release 18) Rel-19 (Release 19)* | |
|  |  | | | | | | | | | |
| ***Reason for change:*** | | Additions of new band combinations | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | The following CA combinations are added:  CA\_n1A-n3A-n40A-n78A-n105A  CA\_n1A-n7A-n40A-n78A-n105A  CA\_n3A-n7A-n40A-n78A-n105A  CA\_n1A-n3A-n7A-n40A-n78A-n105A | | | | | | | | |
|  | |  | | | | | | | | |
| ***Consequences if not approved:*** | | Band combinations cannot be used | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 5.5A.3.4 & 5.5A.3.5 & 6.2A.4.2.6 & 6.2A.4.2.7 & 7.3A.3.2.5 & 7.3A.3.2.6 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **Y** | **N** |  | | | |  | | |
| ***Other specs*** | |  | **X** | Other core specifications | | | | TS/TR ... CR ... | | |
| ***affected:*** | | **x** |  | Test specifications | | | | TS 38.521 series | | |
| ***(show related CRs)*** | |  | **X** | O&M Specifications | | | | TS/TR ... CR ... | | |
|  | |  | | | | | | | | |
| ***Other comments:*** | |  | | | | | | | | |
|  | |  | | | | | | | | |
| ***This CR's revision history:*** | |  | | | | | | | | |

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* Start of changes \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

#### 5.5A.3.4 Configurations for inter-band CA (Five bands)

Table 5.5A.3.4-1: NR CA configurations and bandwidth combinations sets defined for inter-band CA (five bands)

| **NR CA configuration** | **Uplink configuration**  **or single uplink carrier 2** | **NR Band** | **Channel bandwidth (MHz) (NOTE 1)** | **Bandwidth combination set** |
| --- | --- | --- | --- | --- |
| CA\_n1A-n3A-n5A-n7A-n78A | CA\_n1A-n3A  CA\_n1A-n5A | n1 | 5, 10, 15, 20 | 0 |
|  | CA\_n1A-n7A  CA\_n1A-n78A | n3 | 5, 10, 15, 20, 25, 30, 40 |  |
|  | CA\_n3A-n5A  CA\_n3A-n7A | n5 | 5, 10, 15, 20 |  |
|  | CA\_n3A-n78A  CA\_n5A-n7A | n7 | 5, 10, 15, 20, 25, 30, 40, 50 |  |
|  | CA\_n5A-n78A  CA\_n7A-n78A | n78 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 |  |
| CA\_n1A-n3A-n5A-n7B-n78A | CA\_n1A-n3A  CA\_n1A-n5A | n1 | 5, 10, 15, 20 | 0 |
|  | CA\_n1A-n7A  CA\_n1A-n78A | n3 | 5, 10, 15, 20, 25, 30, 40 |  |
|  | CA\_n3A-n5A  CA\_n3A-n7A | n5 | 5, 10, 15, 20 |  |
|  | CA\_n3A-n78A  CA\_n5A-n7A | n7 | CA\_n7B\_BCS0 |  |
|  | CA\_n5A-n78A  CA\_n7A-n78A  CA\_n7B | n78 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 |  |
| CA\_n1A-n3A-n7A-n8A-n78A | CA\_n1A-n3A  CA\_n1A-n7A  CA\_n1A-n8A  CA\_n1A-n78A  CA\_n3A-n7A  CA\_n3A-n8A  CA\_n3A-n78A  CA\_n7A-n8A  CA\_n7A-n78A  CA\_n8A-n78A | n1 | 5, 10, 15, 20 | 0 |
|  |  | n3 | 5, 10, 15, 20, 25, 30 |  |
|  |  | n7 | 5, 10, 15, 20, 25, 30, 40, 50 |  |
|  |  | n8 | 5, 10, 15, 20 |  |
|  |  | n78 | 10, 15, 20, 40, 50, 60, 80, 90, 100 |  |
| CA\_n1A-n3A-n7A-n26A-n78A | CA\_n1A-n3A  CA\_n1A-n26A  CA\_n1A-n7A  CA\_n1A-n78A  CA\_n3A-n26A  CA\_n3A-n7A  CA\_n3A-n78A  CA\_n7A-n26A  CA\_n26A-n78A  CA\_n7A-n78A | n1 | 5, 10, 15, 20, 25, 30, 40, 45, 50 | 0 |
|  |  | n3 | 5, 10, 15, 20, 25, 30, 40, 45, 50 |  |
|  |  | n7 | 5, 10, 15, 20, 25, 30, 40, 50 |  |
|  |  | n26 | 5, 10, 15, 20, 25, 30 |  |
|  |  | n78 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 |  |
| CA\_n1A-n3A-n7A-n26(2A)-n78A | CA\_n1A-n3A  CA\_n1A-n26A  CA\_n1A-n7A  CA\_n1A-n78A  CA\_n3A-n26A  CA\_n3A-n7A  CA\_n3A-n78A  CA\_n7A-n26A  CA\_n26A-n78A  CA\_n7A-n78A | n1 | 5, 10, 15, 20, 25, 30, 40, 45, 50 | 0 |
|  |  | n3 | 5, 10, 15, 20, 25, 30, 40, 45, 50 |  |
|  |  | n7 | 5, 10, 15, 20, 25, 30, 40, 50 |  |
|  |  | n26 | CA\_n26(2A)\_BCS0 |  |
|  |  | n78 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 |  |
| CA\_n1A-n3A-n7A-n26A-n78(2A) | CA\_n1A-n3A  CA\_n1A-n26A  CA\_n1A-n7A  CA\_n1A-n78A  CA\_n3A-n26A  CA\_n3A-n7A  CA\_n3A-n78A  CA\_n7A-n26A  CA\_n26A-n78A  CA\_n7A-n78A | n1 | 5, 10, 15, 20, 25, 30, 40, 45, 50 | 0 |
|  |  | n3 | 5, 10, 15, 20, 25, 30, 40, 45, 50 |  |
|  |  | n7 | 5, 10, 15, 20, 25, 30, 40, 50 |  |
|  |  | n26 | 5, 10, 15, 20, 25, 30 |  |
|  |  | n78 | CA\_n78(2A)\_BCS0 |  |
| CA\_n1A-n3A-n7A-n26(2A)-n78(2A) | CA\_n1A-n3A  CA\_n1A-n26A  CA\_n1A-n7A  CA\_n1A-n78A  CA\_n3A-n26A  CA\_n3A-n7A  CA\_n3A-n78A  CA\_n7A-n26A  CA\_n26A-n78A  CA\_n7A-n78A | n1 | 5, 10, 15, 20, 25, 30, 40, 45, 50 | 0 |
|  |  | n3 | 5, 10, 15, 20, 25, 30, 40, 45, 50 |  |
|  |  | n7 | 5, 10, 15, 20, 25, 30, 40, 50 |  |
|  |  | n26 | CA\_n26(2A)\_BCS0 |  |
|  |  | n78 | CA\_n78(2A)\_BCS0 |  |
| CA\_n1A-n3B-n7A-n26A-n78A | CA\_n1A-n3A  CA\_n1A-n26A  CA\_n1A-n7A  CA\_n1A-n78A  CA\_n3A-n26A  CA\_n3A-n7A  CA\_n3A-n78A  CA\_n7A-n26A  CA\_n26A-n78A  CA\_n7A-n78A  CA\_n3B | n1 | 5, 10, 15, 20, 25, 30, 40, 45, 50 | 0 |
|  |  | n3 | CA\_n3B\_BCS0 |  |
|  |  | n7 | 5, 10, 15, 20, 25, 30, 40, 50 |  |
|  |  | n26 | 5, 10, 15, 20, 25, 30 |  |
|  |  | n78 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 |  |
| CA\_n1A-n3B-n7A-n26(2A)-n78A | CA\_n1A-n3A  CA\_n1A-n26A  CA\_n1A-n7A  CA\_n1A-n78A  CA\_n3A-n26A  CA\_n3A-n7A  CA\_n3A-n78A  CA\_n7A-n26A  CA\_n26A-n78A  CA\_n7A-n78A  CA\_n3B | n1 | 5, 10, 15, 20, 25, 30, 40, 45, 50 | 0 |
|  |  | n3 | CA\_n3B\_BCS0 |  |
|  |  | n7 | 5, 10, 15, 20, 25, 30, 40, 50 |  |
|  |  | n26 | CA\_n26(2A)\_BCS0 |  |
|  |  | n78 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 |  |
| CA\_n1A-n3B-n7A-n26A-n78(2A) | CA\_n1A-n3A  CA\_n1A-n26A  CA\_n1A-n7A  CA\_n1A-n78A  CA\_n3A-n26A  CA\_n3A-n7A  CA\_n3A-n78A  CA\_n7A-n26A  CA\_n26A-n78A  CA\_n7A-n78A  CA\_n3B | n1 | 5, 10, 15, 20, 25, 30, 40, 45, 50 | 0 |
|  |  | n3 | CA\_n3B\_BCS0 |  |
|  |  | n7 | 5, 10, 15, 20, 25, 30, 40, 50 |  |
|  |  | n26 | 5, 10, 15, 20, 25, 30 |  |
|  |  | n78 | CA\_n78(2A)\_BCS0 |  |
| CA\_n1A-n3B-n7A-n26(2A)-n78(2A) | CA\_n1A-n3A  CA\_n1A-n26A  CA\_n1A-n7A  CA\_n1A-n78A  CA\_n3A-n26A  CA\_n3A-n7A  CA\_n3A-n78A  CA\_n7A-n26A  CA\_n26A-n78A  CA\_n7A-n78A  CA\_n3B | n1 | 5, 10, 15, 20, 25, 30, 40, 45, 50 | 0 |
|  |  | n3 | CA\_n3B\_BCS0 |  |
|  |  | n7 | 5, 10, 15, 20, 25, 30, 40, 50 |  |
|  |  | n26 | CA\_n26(2A)\_BCS0 |  |
|  |  | n78 | CA\_n78(2A)\_BCS0 |  |
| CA\_n1A-n3B-n7B-n26A-n78A | CA\_n1A-n3A  CA\_n1A-n26A  CA\_n1A-n7A  CA\_n1A-n78A  CA\_n3A-n26A  CA\_n3A-n7A  CA\_n3A-n78A  CA\_n7A-n26A  CA\_n26A-n78A  CA\_n7A-n78A  CA\_n3B | n1 | 5, 10, 15, 20, 25, 30, 40, 45, 50 | 0 |
|  |  | n3 | CA\_n3B\_BCS0 |  |
|  |  | n7 | CA\_n7B\_BCS0 |  |
|  |  | n26 | 5, 10, 15, 20, 25, 30 |  |
|  |  | n78 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 |  |
| CA\_n1A-n3B-n7B-n26(2A)-n78A | CA\_n1A-n3A  CA\_n1A-n26A  CA\_n1A-n7A  CA\_n1A-n78A  CA\_n3A-n26A  CA\_n3A-n7A  CA\_n3A-n78A  CA\_n7A-n26A  CA\_n26A-n78A  CA\_n7A-n78A  CA\_n3B | n1 | 5, 10, 15, 20, 25, 30, 40, 45, 50 | 0 |
|  |  | n3 | CA\_n3B\_BCS0 |  |
|  |  | n7 | CA\_n7B\_BCS0 |  |
|  |  | n26 | CA\_n26(2A)\_BCS0 |  |
|  |  | n78 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 |  |
| CA\_n1A-n3B-n7B-n26A-n78(2A) | CA\_n1A-n3A  CA\_n1A-n26A  CA\_n1A-n7A  CA\_n1A-n78A  CA\_n3A-n26A  CA\_n3A-n7A  CA\_n3A-n78A  CA\_n7A-n26A  CA\_n26A-n78A  CA\_n7A-n78A  CA\_n3B | n1 | 5, 10, 15, 20, 25, 30, 40, 45, 50 | 0 |
|  |  | n3 | CA\_n3B\_BCS0 |  |
|  |  | n7 | CA\_n7B\_BCS0 |  |
|  |  | n26 | 5, 10, 15, 20, 25, 30 |  |
|  |  | n78 | CA\_n78(2A) BCS0 |  |
| CA\_n1A-n3B-n7B-n26(2A)-n78(2A) | CA\_n1A-n3A  CA\_n1A-n26A  CA\_n1A-n7A  CA\_n1A-n78A  CA\_n3A-n26A  CA\_n3A-n7A  CA\_n3A-n78A  CA\_n7A-n26A  CA\_n26A-n78A  CA\_n7A-n78A  CA\_n3B | n1 | 5, 10, 15, 20, 25, 30, 40, 45, 50 | 0 |
|  |  | n3 | CA\_n3B\_BCS0 |  |
|  |  | n7 | CA\_n7B\_BCS0 |  |
|  |  | n26 | CA\_n26(2A)\_BCS0 |  |
|  |  | n78 | CA\_n78(2A)\_BCS0 |  |
| CA\_n1A-n3A-n7B-n26A-n78A | CA\_n1A-n3A  CA\_n1A-n26A  CA\_n1A-n7A  CA\_n1A-n78A  CA\_n3A-n26A  CA\_n3A-n7A  CA\_n3A-n78A  CA\_n7A-n26A  CA\_n26A-n78A  CA\_n7A-n78A  CA\_n7B | n1 | 5, 10, 15, 20, 25, 30, 40, 45, 50 | 0 |
|  |  | n3 | 5, 10, 15, 20, 25, 30, 40, 45, 50 |  |
|  |  | n7 | CA\_n7B\_BCS0 |  |
|  |  | n26 | 5, 10, 15, 20, 25, 30 |  |
|  |  | n78 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 |  |
| CA\_n1A-n3A-n7B-n26(2A)-n78A | CA\_n1A-n3A  CA\_n1A-n26A  CA\_n1A-n7A  CA\_n1A-n78A  CA\_n3A-n26A  CA\_n3A-n7A  CA\_n3A-n78A  CA\_n7A-n26A  CA\_n26A-n78A  CA\_n7A-n78A  CA\_n7B | n1 | 5, 10, 15, 20, 25, 30, 40, 45, 50 | 0 |
|  |  | n3 | 5, 10, 15, 20, 25, 30, 40, 45, 50 |  |
|  |  | n7 | CA\_n7B\_BCS0 |  |
|  |  | n26 | CA\_n26(2A)\_BCS0 |  |
|  |  | n78 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 |  |
| CA\_n1A-n3A-n7B-n26A-n78(2A) | CA\_n1A-n3A  CA\_n1A-n26A  CA\_n1A-n7A  CA\_n1A-n78A  CA\_n3A-n26A  CA\_n3A-n7A  CA\_n3A-n78A  CA\_n7A-n26A  CA\_n26A-n78A  CA\_n7A-n78A  CA\_n7B | n1 | 5, 10, 15, 20, 25, 30, 40, 45, 50 | 0 |
|  |  | n3 | 5, 10, 15, 20, 25, 30, 40, 45, 50 |  |
|  |  | n7 | CA\_n7B\_BCS0 |  |
|  |  | n26 | 5, 10, 15, 20, 25, 30 |  |
|  |  | n78 | CA\_n78(2A)\_BCS0 |  |
| CA\_n1A-n3A-n7B-n26(2A)-n78(2A) | CA\_n1A-n3A  CA\_n1A-n26A  CA\_n1A-n7A  CA\_n1A-n78A  CA\_n3A-n26A  CA\_n3A-n7A  CA\_n3A-n78A  CA\_n7A-n26A  CA\_n26A-n78A  CA\_n7A-n78A  CA\_n7B | n1 | 5, 10, 15, 20, 25, 30, 40, 45, 50 | 0 |
|  |  | n3 | 5, 10, 15, 20, 25, 30, 40, 45, 50 |  |
|  |  | n7 | CA\_n7B\_BCS0 |  |
|  |  | n26 | CA\_n26(2A)\_BCS0 |  |
|  |  | n78 | CA\_n78(2A)\_BCS0 |  |
| CA\_n1A-n3A-n7A-n28A-n38A4 | - | n1 | 5, 10, 15, 20, 25, 30, 40, 45, 50 | 0 |
|  |  | n3 | 5, 10, 15, 20, 25, 30, 35, 40, 45, 50 |  |
|  |  | n7 | 5, 10, 15, 20, 25, 30, 40, 50 |  |
|  |  | n28 | 5, 10, 15, 20, 25, 30 |  |
|  |  | n38 | 5, 10, 15, 20, 25, 30, 40 |  |
| CA\_n1A-n3A-n7A-n28A-n78A | - | n1 | 5, 10, 15, 20, 25, 30, 40, 50 | 0 |
|  |  | n3 | 5, 10, 15, 20, 25, 30, 40 |  |
|  |  | n7 | 5, 10, 15, 20, 25, 30, 40, 50 |  |
|  |  | n28 | 5, 10, 15, 20, 30 |  |
|  |  | n78 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 |  |
|  | CA\_n1A-n3A  CA\_n1A-n7A  CA\_n1A-n28A  CA\_n1A-n78A | n1 | 5, 10, 15, 20 | 1 |
|  | CA\_n3A-n7A  CA\_n3A-n28A  CA\_n3A-n78A | n3 | 5, 10, 15, 20, 25, 30, 40 |  |
|  | CA\_n7A-n28A  CA\_n7A-n78A | n7 | 5, 10, 15, 20, 25, 30, 40, 50 |  |
|  | CA\_n28A-n78A | n28 | 5, 10, 15, 20 |  |
|  |  | n78 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 |  |
| CA\_n1A-n3A-n7B-n28A-n78A | CA\_n1A-n3A  CA\_n1A-n7A  CA\_n1A-n28A  CA\_n1A-n78A  CA\_n3A-n7A  CA\_n3A-n28A  CA\_n3A-n78A  CA\_n7A-n28A  CA\_n7A-n78A  CA\_n7B  CA\_n28A-n78A | n1 | 5, 10, 15, 20, 25, 30, 40, 50 | 0 |
|  |  | n3 | 5, 10, 15, 20, 25, 30, 40 |  |
|  |  | n7 | CA\_n7B\_BCS0 |  |
|  |  | n28 | 5, 10, 15, 20, 30 |  |
|  |  | n78 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 |  |
| CA\_n1A-n3A-n7A-n28A-n78(2A) | CA\_n78(2A)  CA\_n1A-n3A  CA\_n1A-n7A | n1 | 5, 10, 15, 20, 25, 30, 40, 50 | 0 |
|  | CA\_n1A-n28A  CA\_n1A-n78A | n3 | 5, 10, 15, 20, 25, 30, 40, 50 |  |
|  | CA\_n3A-n7A  CA\_n3A-n28A | n7 | 5, 10, 15, 20, 25, 30, 40, 50 |  |
|  | CA\_n3A-n78A  CA\_n7A-n28A | n28 | 5, 10, 15, 20, 30 |  |
|  | CA\_n7A-n78A  CA\_n28A-n78A | n78 | CA\_n78(2A)\_BCS2 |  |
| CA\_n1A-n3A-n7B-n28A-n78(2A) | CA\_n7B CA\_n78(2A) CA\_n1A-n3A CA\_n1A-n7A CA\_n1A-n28A CA\_n1A-n78A CA\_n3A-n7A CA\_n3A-n28A CA\_n3A-n78A CA\_n7A-n28A CA\_n7A-n78A CA\_n28A-n78A | n1 | 5, 10, 15, 20 | 0 |
|  |  | n3 | 5, 10, 15, 20, 25, 30, 40 |  |
|  |  | n7 | CA\_n7B\_BCS0 |  |
|  |  | n28 | 5, 10, 15, 20 |  |
|  |  | n78 | CA\_n78(2A)\_BCS2 |  |
| CA\_n1A-n3B-n7A-n28A-n78A | CA\_n1A-n3A CA\_n1A-n7A CA\_n1A-n28A CA\_n1A-n78A CA\_n3A-n7A CA\_n3A-n28A CA\_n3A-n78A CA\_n7A-n28A CA\_n7A-n78A CA\_n28A-n78A | n1 | 5, 10, 15, 20 | 0 |
|  |  | n3 | CA\_n3B\_BCS0 |  |
|  |  | n7 | 5, 10, 15, 20, 25, 30, 40, 50 |  |
|  |  | n28 | 5, 10, 15, 20 |  |
|  |  | n78 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 |  |
| CA\_n1A-n3B-n7A-n28A-n78(2A) | CA\_n78(2A) CA\_n1A-n3A CA\_n1A-n7A CA\_n1A-n28A CA\_n1A-n78A CA\_n3A-n7A CA\_n3A-n28A CA\_n3A-n78A CA\_n7A-n28A CA\_n7A-n78A CA\_n28A-n78A | n1 | 5, 10, 15, 20 | 0 |
|  |  | n3 | CA\_n3B\_BCS0 |  |
|  |  | n7 | 5, 10, 15, 20, 25, 30, 40, 50 |  |
|  |  | n28 | 5, 10, 15, 20 |  |
|  |  | n78 | CA\_n78(2A)\_BCS2 |  |
| CA\_n1A-n3B-n7B-n28A-n78A | CA\_n7B CA\_n1A-n3A CA\_n1A-n7A CA\_n1A-n28A CA\_n1A-n78A CA\_n3A-n7A CA\_n3A-n28A CA\_n3A-n78A CA\_n7A-n28A CA\_n7A-n78A CA\_n28A-n78A | n1 | 5, 10, 15, 20 | 0 |
|  |  | n3 | CA\_n3B\_BCS0 |  |
|  |  | n7 | CA\_n7B\_BCS0 |  |
|  |  | n28 | 5, 10, 15, 20 |  |
|  |  | n78 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 |  |
| CA\_n1A-n3B-n7B-n28A-n78(2A) | CA\_n7B CA\_n78(2A) CA\_n1A-n3A CA\_n1A-n7A CA\_n1A-n28A CA\_n1A-n78A CA\_n3A-n7A CA\_n3A-n28A CA\_n3A-n78A CA\_n7A-n28A CA\_n7A-n78A CA\_n28A-n78A | n1 | 5, 10, 15, 20 | 0 |
|  |  | n3 | CA\_n3B\_BCS0 |  |
|  |  | n7 | CA\_n7B\_BCS0 |  |
|  |  | n28 | 5, 10, 15, 20 |  |
|  |  | n78 | CA\_n78(2A)\_BCS2 |  |
| CA\_n1A-n3A-n7A-n38A-n78A4 | - | n1 | 5, 10, 15, 20, 25, 30, 40, 45, 50 | 0 |
|  |  | n3 | 5, 10, 15, 20, 25, 30, 40, 45, 50 |  |
|  |  | n7 | 5, 10, 15, 20, 25, 30, 40, 50 |  |
|  |  | n38 | 5, 10, 15, 20, 25, 30, 40 |  |
|  |  | n78 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 |  |
| CA\_n1A-n3A-n7A-n67A-n78A | CA\_n1A-n3A  CA\_n1A-n7A  CA\_n1A-n78A  CA\_n3A-n7A  CA\_n3A-n78A  CA\_n7A-n78A | n1 | 5, 10, 15, 20, 25, 30, 40, 50 | 0 |
|  |  | n3 | 5, 10, 15, 20, 25, 30, 35, 40, 45, 50 |  |
|  |  | n7 | 5, 10, 15, 20, 25, 30, 40, 50 |  |
|  |  | n67 | 5, 10, 15, 20 |  |
|  |  | n78 | 10, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 |  |
| CA\_n1A-n3A-n7A-n67A-n78(2A) | CA\_n1A-n3A  CA\_n1A-n7A  CA\_n1A-n78A  CA\_n3A-n7A  CA\_n3A-n78A  CA\_n7A-n78A  CA\_n78(2A) | n1 | 5, 10, 15, 20, 25, 30, 40, 50 | 0 |
|  |  | n3 | 5, 10, 15, 20, 25, 30, 35, 40, 45, 50 |  |
|  |  | n7 | 5, 10, 15, 20, 25, 30, 40, 50 |  |
|  |  | n67 | 5, 10, 15, 20 |  |
|  |  | n78 | CA\_n78(2A)\_BCS2 |  |
| CA\_n1A-n3A-n28A-n38A-n78A | - | n1 | 5, 10, 15, 20, 25, 30, 40, 45, 50 | 0 |
|  |  | n3 | 5, 10, 15, 20, 25, 30, 40, 45, 50 |  |
|  |  | n28 | 5, 10, 15, 20, 25, 30 |  |
|  |  | n38 | 5, 10, 15, 20, 25, 30, 40 |  |
|  |  | n78 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 |  |
| CA\_n1A-n3A-n28A-n41A-n77A | CA\_n1A-n3A  CA\_n1A-n28A  CA\_n1A-n41A  CA\_n1A-n77A  CA\_n3A-n28A  CA\_n3A-n41A  CA\_n3A-n77A  CA\_n28A-n41A  CA\_n28A-n77A  CA\_n41A-n77A | n1 | 5, 10, 15, 20 | 0 |
|  |  | n3 | 5, 10, 15, 20 |  |
|  |  | n28 | 5, 10 |  |
|  |  | n41 | 10, 15, 20, 30, 40, 50, 60, 80, 90, 100 |  |
|  |  | n77 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 |  |
| CA\_n1A-n3A-n28A-n41A-n79A | CA\_n1A-n3A  CA\_n1A-n28A  CA\_n1A-n41A  CA\_n1A-n79A  CA\_n3A-n28A  CA\_n3A-n41A  CA\_n3A-n79A  CA\_n28A-n41A  CA\_n28A-n79A  CA\_n41A-n79A | n1 | 5, 10, 15, 20 | 0 |
|  |  | n3 | 5, 10, 15, 20 |  |
|  |  | n28 | 5, 10 |  |
|  |  | n41 | 10, 15, 20, 30, 40, 50, 60, 80, 90, 100 |  |
|  |  | n79 | 40, 50, 60, 80, 100 |  |
| CA\_n1A-n3A-n28A-n77A-n79A | CA\_n1A-n3A  CA\_n1A-n28A  CA\_n1A-n77A  CA\_n1A-n79A  CA\_n3A-n28A  CA\_n3A-n77A  CA\_n3A-n79A  CA\_n28A-n77A  CA\_n28A-n79A  CA\_n77A-n79A | n1 | 5, 10, 15, 20 | 0 |
|  |  | n3 | 5, 10, 15, 20 |  |
|  |  | n28 | 5, 10 |  |
|  |  | n77 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 |  |
|  |  | n79 | 40, 50, 60, 80, 100 |  |
| CA\_n1A-n3A-n40A-n78A-n105A | CA\_n1A-n3A  CA\_n1A-n40A  CA\_n1A-n78A  CA\_n1A-n105A  CA\_n3A-n40A  CA\_n3A-n78A  CA\_n3A-n105A  CA\_n40A-n78A  CA\_n40A-n105A  CA\_n78A-n105A | n1 | 5, 10, 15, 20 | 0 |
|  |  | n3 | 5, 10, 15, 20 |  |
|  |  | n40 | 10, 15, 20, 30, 40, 50, 60, 70, 80, 90, 100 |  |
|  |  | n78 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 |  |
|  |  | n105 | 5, 10, 15, 20, 25, 30, 35 |  |
| CA\_n1A-n3A-n41A-n77A-n79A | CA\_n1A-n3A  CA\_n1A-n41A  CA\_n1A-n77A  CA\_n1A-n79A  CA\_n3A-n41A  CA\_n3A-n77A  CA\_n3A-n79A  CA\_n41A-n77A  CA\_n41A-n79A  CA\_n77A-n79A | n1 | 5, 10, 15, 20 | 0 |
|  |  | n3 | 5, 10, 15, 20 |  |
|  |  | n41 | 10, 15, 20, 30, 40, 50, 60, 80, 90, 100 |  |
|  |  | n77 | 10, 15, 20, 30, 40, 50, 60, 70, 80, 90, 100 |  |
|  |  | n79 | 40, 50, 60, 80, 100 |  |
| CA\_n1A-n7A-n28A-n38A-n78A4 | - | n1 | 5, 10, 15, 20, 25, 30, 40, 45, 50 | 0 |
|  |  | n7 | 5, 10, 15, 20, 25, 30, 40, 50 |  |
|  |  | n28 | 5, 10, 15, 20, 25, 30 |  |
|  |  | n38 | 5, 10, 15, 20, 25, 30, 40 |  |
|  |  | n78 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 |  |
| CA\_n1A-n7A-n40A-n78A-n105A | CA\_n1A-n7A  CA\_n1A-n40A  CA\_n1A-n78A  CA\_n1A-n105A  CA\_n7A-n40A  CA\_n7A-n78A  CA\_n7A-n105A  CA\_n40A-n78A  CA\_n40A-n105A  CA\_n78A-n105A | n1 | 5, 10, 15, 20 | 0 |
|  |  | n7 | 5, 10, 15, 20, 25, 30, 40, 50 |  |
|  |  | n40 | 10, 15, 20, 30, 40, 50, 60, 70, 80, 90, 100 |  |
|  |  | n78 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 |  |
|  |  | n105 | 5, 10, 15, 20, 25, 30, 35 |  |
| CA\_n1A-n28A-n41A-n77A-n79A | CA\_n1A-n28A  CA\_n1A-n41A  CA\_n1A-n77A  CA\_n1A-n79A  CA\_n28A-n41A  CA\_n28A-n77A  CA\_n28A-n79A  CA\_n41A-n77A  CA\_n41A-n79A  CA\_n77A-n79A | n1 | 5, 10, 15, 20 | 0 |
|  |  | n28 | 5, 10 |  |
|  |  | n41 | 10, 15, 20, 30, 40, 50, 60, 80, 90, 100 |  |
|  |  | n77 | 10, 15, 20, 30, 40, 50, 60, 70, 80, 90, 100 |  |
|  |  | n79 | 40, 50, 60, 80, 100 |  |
| CA\_n2A-n5A-n30A-n66A-n77A | n773  CA\_n2A-n5A  CA\_n2A-n30A  CA\_n2A-n66A  CA\_n2A-n77A3  CA\_n5A-n30A  CA\_n5A-n66A  CA\_n5A-n77A3  CA\_n30A-n66A  CA\_n30A-n77A3  CA\_n66A-n77A3 | n2 | 5, 10, 15, 20 | 0 |
|  |  | n5 | 5, 10, 15, 20 |  |
|  |  | n30 | 5, 10 |  |
|  |  | n66 | 5, 10, 15, 20, 25, 30, 40 |  |
|  |  | n77 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 |  |
| CA\_n2A-n5A-n30A-n66A-n77(2A) | n773  CA\_n2A-n5A  CA\_n2A-n30A  CA\_n2A-n66A  CA\_n2A-n77A3  CA\_n5A-n30A  CA\_n5A-n66A  CA\_n5A-n77A3  CA\_n30A-n66A  CA\_n30A-n77A3  CA\_n66A-n77A3 | n2 | 5, 10, 15, 20 | 0 |
|  |  | n5 | 5, 10, 15, 20 |  |
|  |  | n30 | 5, 10 |  |
|  |  | n66 | 5, 10, 15, 20, 25, 30, 40 |  |
|  |  | n77 | CA\_n77(2A)\_BCS1 |  |
| CA\_n2A-n5A-n48A-n66A-n77A | CA\_n2A-n5A  CA\_n2A-n48A  CA\_n2A-n66A  CA\_n2A-n77A  CA\_n5A-n48A  CA\_n5A-n66A  CA\_n5A-n77A  CA\_n48A-n66A  CA\_n66A-n77A | n2 | 5, 10, 15, 20 | 0 |
|  |  | n5 | 5, 10, 15, 20 |  |
|  |  | n48 | 5, 10, 15, 20, 40, 50, 60, 70, 80, 90, 100 |  |
|  |  | n66 | 5, 10, 15, 20, 25, 30, 40 |  |
|  |  | n77 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 |  |
| CA\_n2A-n5A-n48B-n66A-n77A | CA\_n2A-n5A  CA\_n2A-n48A  CA\_n2A-n66A  CA\_n2A-n77A  CA\_n5A-n48A  CA\_n5A-n66A  CA\_n5A-n77A  CA\_n48A-n66A  CA\_n48B  CA\_n66A-n77A | n2 | 5, 10, 15, 20 | 0 |
|  |  | n5 | 5, 10, 15, 20 |  |
|  |  | n48 | CA\_n48B\_BCS2 |  |
|  |  | n66 | 5, 10, 15, 20, 25, 30, 40 |  |
|  |  | n77 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 |  |
| CA\_n2A-n5A-n48A-n66A-n77C | CA\_n2A-n5A  CA\_n2A-n48A  CA\_n2A-n66A  CA\_n2A-n77A  CA\_n5A-n48A  CA\_n5A-n66A  CA\_n5A-n77A  CA\_n48A-n66A  CA\_n66A-n77A  CA\_n77C | n2 | 5, 10, 15, 20 | 0 |
|  |  | n5 | 5, 10, 15, 20 |  |
|  |  | n48 | 5, 10, 15, 20, 40, 50, 60, 70, 80, 90, 100 |  |
|  |  | n66 | 5, 10, 15, 20, 25, 30, 40 |  |
|  |  | n77 | CA\_n77C\_BCS1 |  |
| CA\_n2A-n12A-n30A-n66A-n77A | n773  CA\_n2A-n12A  CA\_n2A-n30A  CA\_n2A-n66A  CA\_n2A-n77A3  CA\_n12A-n30A  CA\_n12A-n66A  CA\_n12A-n77A3  CA\_n30A-n66A  CA\_n30A-n77A3  CA\_n66A-n77A3 | n2 | 5, 10, 15, 20 | 0 |
|  |  | n12 | 5, 10, 15 |  |
|  |  | n30 | 5, 10 |  |
|  |  | n66 | 5, 10, 15, 20, 25, 30, 40 |  |
|  |  | n77 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 |  |
| CA\_n2A-n12A-n30A-n66A-n77(2A) | n773  CA\_n2A-n12A  CA\_n2A-n30A  CA\_n2A-n66A  CA\_n2A-n77A3  CA\_n12A-n30A  CA\_n12A-n66A  CA\_n12A-n77A3  CA\_n30A-n66A  CA\_n30A-n77A3  CA\_n66A-n77A3 | n2 | 5, 10, 15, 20 | 0 |
|  |  | n12 | 5, 10, 15 |  |
|  |  | n30 | 5, 10 |  |
|  |  | n66 | 5, 10, 15, 20, 25, 30, 40 |  |
|  |  | n77 | CA\_n77(2A)\_BCS1 |  |
| CA\_n2A-n14A-n30A-n66A-n77A | n773  CA\_n2A-n14A  CA\_n2A-n30A  CA\_n2A-n66A  CA\_n2A-n77A3  CA\_n14A-n30A  CA\_n14A-n66A  CA\_n14A-n77A3  CA\_n30A-n66A  CA\_n30A-n77A3  CA\_n66A-n77A3 | n2 | 5, 10, 15, 20 | 0 |
|  |  | n14 | 5, 10 |  |
|  |  | n30 | 5, 10 |  |
|  |  | n66 | 5, 10, 15, 20, 25, 30, 40 |  |
|  |  | n77 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 |  |
| CA\_n2A-n14A-n30A-n66A-n77(2A) | n773  CA\_n2A-n14A  CA\_n2A-n30A  CA\_n2A-n66A  CA\_n2A-n77A3  CA\_n14A-n30A  CA\_n14A-n66A  CA\_n14A-n77A3  CA\_n30A-n66A  CA\_n30A-n77A3  CA\_n66A-n77A3 | n2 | 5, 10, 15, 20 | 0 |
|  |  | n14 | 5, 10 |  |
|  |  | n30 | 5, 10 |  |
|  |  | n66 | 5, 10, 15, 20, 25, 30, 40 |  |
|  |  | n77 | CA\_n77(2A)\_BCS1 |  |
| CA\_n2A-n29A-n30A-n66A-n77A | n773  CA\_n2A-n30A  CA\_n2A-n66A  CA\_n2A-n77A3  CA\_n30A-n66A  CA\_n30A-n77A3  CA\_n66A-n77A3 | n2 | 5, 10, 15, 20 | 0 |
|  |  | n29 | 5, 10 |  |
|  |  | n30 | 5, 10 |  |
|  |  | n66 | 5, 10, 15, 20, 25, 30, 40 |  |
|  |  | n77 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 |  |
| CA\_n2A-n29A-n30A-n66A-n77(2A) | n773  CA\_n2A-n30A  CA\_n2A-n66A  CA\_n2A-n77A3  CA\_n30A-n66A  CA\_n30A-n77A3  CA\_n66A-n77A3 | n2 | 5, 10, 15, 20 | 0 |
|  |  | n29 | 5, 10 |  |
|  |  | n30 | 5, 10 |  |
|  |  | n66 | 5, 10, 15, 20, 25, 30, 40 |  |
|  |  | n77 | CA\_n77(2A)\_BCS1 |  |
| CA\_n3A-n7A-n28A-n38A-n78A4 | - | n3 | 5, 10, 15, 20, 25, 30, 40, 45, 50 | 0 |
|  |  | n7 | 5, 10, 15, 20, 25, 30, 40, 50 |  |
|  |  | n28 | 5, 10, 15, 20, 25, 30 |  |
|  |  | n38 | 5, 10, 15, 20, 25, 30, 40 |  |
|  |  | n78 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 |  |
| CA\_n3A-n7A-n40A-n78A-n105A | CA\_n3A-n7A  CA\_n3A-n40A  CA\_n3A-n78A  CA\_n3A-n105A  CA\_n7A-n40A  CA\_n7A-n78A  CA\_n7A-n105A  CA\_n40A-n78A  CA\_n40A-n105A  CA\_n78A-n105A | n3 | 5, 10, 15, 20 | 0 |
|  |  | n7 | 5, 10, 15, 20, 25, 30, 40, 50 |  |
|  |  | n40 | 10, 15, 20, 30, 40, 50, 60, 70, 80, 90, 100 |  |
|  |  | n78 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 |  |
|  |  | n105 | 5, 10, 15, 20, 25, 30, 35 |  |
| CA\_n3A-n28A-n41A-n77A-n79A | CA\_n3A-n28A  CA\_n3A-n41A  CA\_n3A-n77A  CA\_n3A-n79A  CA\_n28A-n41A  CA\_n28A-n77A  CA\_n28A-n79A  CA\_n41A-n77A  CA\_n41A-n79A  CA\_n77A-n79A | n3 | 5, 10, 15, 20 | 0 |
|  |  | n28 | 5, 10 |  |
|  |  | n41 | 10, 15, 20, 30, 40, 50, 60, 80, 90, 100 |  |
|  |  | n77 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 |  |
|  |  | n79 | 40, 50, 60, 80, 100 |  |
| CA\_n25A-n41A-n66A-n71A-n77A | n413,4  n773,4  CA\_n25A-n41A3  CA\_n25A-n66A  CA\_n25A-n71A  CA\_n25A-n77A3  CA\_n41A-n66A3  CA\_n41A-n71A3CA\_n41A-n77A3  CA\_n66A-n71A  CA\_n66A-n77A3  CA\_n71A-n77A3 | n25 | n25 channel bandwidths in Table 5.3.5-1 | 4 and 5 |
|  |  | n41 | n41 channel bandwidths in Table 5.3.5-1 |  |
|  |  | n66 | n66 channel bandwidths in Table 5.3.5-1 |  |
|  |  | n71 | n71 channel bandwidths in Table 5.3.5-1 |  |
|  |  | n77 | n77 channel bandwidths in Table 5.3.5-1 |  |
| CA\_n25A-n41A-n66(2A)-n71A-n77A | CA\_n25A-n41A  CA\_n25A-n66A  CA\_n25A-n71A  CA\_n25A-n77A  CA\_n41A-n66A  CA\_n41A-n71A  CA\_n41A-n77A  CA\_n66A-n71A  CA\_n66A-n77A  CA\_n71A-n77A | n25 | n25 channel bandwidths in Table 5.3.5-1 | 4 and 5 |
|  |  | n41 | n41 channel bandwidths in Table 5.3.5-1 |  |
|  |  | n66 | CA\_n66(2A)\_BCS 4 and 5 |  |
|  |  | n71 | n71 channel bandwidths in Table 5.3.5-1 |  |
|  |  | n77 | n77 channel bandwidths in Table 5.3.5-1 |  |
| CA\_n25A-n41A-n66A-n71(2A)-n77A | CA\_n25A-n41A  CA\_n25A-n66A  CA\_n25A-n71A  CA\_n25A-n77A  CA\_n41A-n66A  CA\_n41A-n71A  CA\_n41A-n77A  CA\_n66A-n71A  CA\_n66A-n77A  CA\_n71A-n77A | n25 | n25 channel bandwidths in Table 5.3.5-1 | 4 and 5 |
|  |  | n41 | n41 channel bandwidths in Table 5.3.5-1 |  |
|  |  | n66 | n66 channel bandwidths in Table 5.3.5-1 |  |
|  |  | n71 | CA\_n71(2A)\_BCS 4 and 5 |  |
|  |  | n77 | n77 channel bandwidths in Table 5.3.5-1 |  |
| CA\_n25A-n41A-n66A-n71B-n77A | CA\_n25A-n41A  CA\_n25A-n66A  CA\_n25A-n71A  CA\_n25A-n77A  CA\_n41A-n66A  CA\_n41A-n71A  CA\_n41A-n77A  CA\_n66A-n71A  CA\_n66A-n77A  CA\_n71A-n77A | n25 | n25 channel bandwidths in Table 5.3.5-1 | 4 and 5 |
|  |  | n41 | n41 channel bandwidths in Table 5.3.5-1 |  |
|  |  | n66 | n66 channel bandwidths in Table 5.3.5-1 |  |
|  |  | n71 | CA\_n71B\_BCS 4 and 5 |  |
|  |  | n77 | n77 channel bandwidths in Table 5.3.5-1 |  |
| CA\_n25(2A)-n41A-n66A-n71A-n77A | CA\_n25A-n41A  CA\_n25A-n66A  CA\_n25A-n71A  CA\_n25A-n77A  CA\_n41A-n66A  CA\_n41A-n71A  CA\_n41A-n77A  CA\_n66A-n71A  CA\_n66A-n77A  CA\_n71A-n77A | n25 | CA\_n25(2A)\_BCS 4 and 5 | 4 and 5 |
|  |  | n41 | n41 channel bandwidths in Table 5.3.5-1 |  |
|  |  | n66 | n66 channel bandwidths in Table 5.3.5-1 |  |
|  |  | n71 | n71 channel bandwidths in Table 5.3.5-1 |  |
|  |  | n77 | n77 channel bandwidths in Table 5.3.5-1 |  |
| NOTE 1: The SCS of each channel bandwidth for NR FR1 and NR FR2 band refers to Table 5.3.5-1 of TS 38.101-1 and TS 38.101-2 respectively.  NOTE 2: Only single uplink carriers with power class other than PC3 are listed.  NOTE 3: Minimum requirements for Power Class 2 are applicable for this uplink combination or single uplink carrier in this downlink/uplink combination.  NOTE 4: For a band combination which includes band n7 and n38 simultaneously, carriers in band n7 and n38 can only be configured as downlink carriers. Power imbalance between downlink carriers on Band n7 and Band n38 is assumed to be within 6dB.  NOTE 5: Power Class 1.5 is allowed for this single uplink carrier in this downlink/uplink combination. | | | | |

#### 5.5A.3.5 Configurations for inter-band CA (six bands)

Table 5.5A.3.5-1: NR CA configurations and bandwidth combinations sets defined for inter-band CA (six bands)

| NR CA configuration | Uplink configuration | NR Band | Channel bandwidth (MHz) (NOTE 1) | Bandwidth combination set |
| --- | --- | --- | --- | --- |
| CA\_n1A-n3A-n7A-n28A-n38A-n78A2 | - | n1 | 5, 10, 15, 20, 25, 30, 40, 45, 50 | 0 |
|  |  | n3 | 5, 10, 15, 20, 25, 30, 35, 40, 45, 50 |  |
|  |  | n7 | 5, 10, 15, 20, 25, 30, 40, 50 |  |
|  |  | n28 | 5, 10, 15, 20, 25, 30 |  |
|  |  | n38 | 5, 10, 15, 20, 25, 30, 40 |  |
|  |  | n78 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 |  |
| CA\_n1A-n3A-n7A-n40A-n78A-n105A | CA\_n1A-n3A  CA\_n1A-n7A  CA\_n1A-n40A  CA\_n1A-n78A  CA\_n1A-n105A  CA\_n3A-n7A  CA\_n3A-n40A  CA\_n3A-n78A  CA\_n3A-n105A  CA\_n7A-n40A  CA\_n7A-n78A  CA\_n7A-n105A  CA\_n40A-n78A  CA\_n40A-n105A  CA\_n78A-n105A | n1 | 5, 10, 15, 20 |  |
|  |  | n3 | 5, 10, 15, 20 |  |
|  |  | n7 | 5, 10, 15, 20, 25, 30, 40, 50 |  |
|  |  | n40 | 10, 15, 20, 30, 40, 50, 60, 70, 80, 90, 100 |  |
|  |  | n78 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 |  |
|  |  | n105 | 5, 10, 15, 20, 25, 30, 35 |  |
| NOTE 1: The SCS of each channel bandwidth for NR FR1 and NR FR2 band refers to Table 5.3.5-1 of TS 38.101-1 and TS 38.101-2 respectively.  NOTE 2: For a band combination which includes band n7 and n38 simultaneously, carriers in band n7 and n38 can only be configured as downlink carriers. Power imbalance between downlink carriers on Band n7 and Band n38 is assumed to be within 6dB. | | | | |

##### 6.2A.4.2.6 ΔTIB,c for Inter-band CA (five bands)

Table 6.2A.4.2.6-1: ΔTIB,c due to NR CA (five bands)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Inter-band CA combination | ΔTIB,c for NR bands (dB)1 | | | | |
| Component band in order of bands in configuration2 | | | | |
| CA\_n1-n3-n5-n7-n78 | 0.6 | 0.6 | 0.6 | 0.6 | 0.8 |
| CA\_n1-n3-n7-n8-n78 | 0.7 | 0.7 | 0.7 | 0.6 | 0.8 |
| CA\_n1-n3-n7-n26-n78 | 0.7 | 0.7 | 0.7 | 0.6 | 0.8 |
| CA\_n1-n3-n7-n28-n38 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| CA\_n1-n3-n7-n28-n78 | 0.7 | 0.7 | 0.7 | 0.6 | 0.8 |
| CA\_n1-n3-n7-n67-n78 | 0.7 | 0.7 | 0.7 | - | 0.8 |
| CA\_ n1-n3-n28-n41-n77 | 0.6 | 1 | 0.6 | 0.63/0.84 | 0.8 |
| CA\_n1-n3-n28-n41-n79 | 0.5 | 0.5 | 0.6 | 0.63/0.84 | 0.8 |
| CA\_n1-n3-n28-n77-n79 | 0.6 | 0.6 | 0.6 | 0.8 | 0.8 |
| CA\_n1-n3-n40-n78-n105 | 0.6 | 0.6 | 0.6 | 0.8 | 0.6 |
| CA\_n1-n3-n41-n77-n79 | 0.6 | 0.6 | 0.53/0.84 | 0.8 | 0.8 |
| CA\_n1-n7-n40-n78-n105 | 0.6 | 0.6 | 0.6 | 0.8 | 0.6 |
| CA\_n1-n28-n41-n77-n79 | 0.6 | 0.6 | 0.6 | 0.8 | 0.8 |
| CA\_n2-n5-n30-n66-n77 | 0.6 | 0.6 | 0.3 | 0.6 | 0.8 |
| CA\_n2-n5-n48-n66-n77 | 0.6 | 0.3 | 0.8 | 0.6 | 0.8 |
| CA\_n2-n12-n30-n66-n77 | 0.6 | 0.8 | 0.3 | 0.6 | 0.8 |
| CA\_n2-n14-n30-n66-n77 | 0.6 | 0.6 | 0.3 | 0.6 | 0.8 |
| CA\_n2-n29-n30-n66-n77 | 0.6 | - | 0.3 | 0.6 | 0.8 |
| CA\_n3-n7-n40-n78-n105 | 0.6 | 0.8 | 0.6 | 0.8 | 0.6 |
| CA\_n3-n28-n41-n77-n79 | 1 | 0.5 | 0.8 | 0.8 | 0.8 |
| NOTE 1: “-” denotes ΔTIB,c = 0.  NOTE 2: The component band order in the configuration should be listed by the order of NR bands, such as for CA\_n1-n3-n5-n7-n78 the band order from left to right is n1, n3, n5, n7 and n78.  NOTE 3: The requirement is applied for UE transmitting on the frequency range of 2545 - 2690 MHz  NOTE 4: The requirement is applied for UE transmitting on the frequency range of 2496 - 2545 MHz | | | | | |

##### 6.2A.4.2.7 ΔTIB,c for Inter-band CA (six bands)

Table 6.2A.4.2.7-1: ΔTIB,c due to NR CA (six bands)

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Inter-band CA combination |  | ΔTIB,c for NR bands (dB)1 | | | | |
|  | Component band in order of bands in configuration2 | | | | |
| CA\_n1-n3-n7-n28-n38-n78 | 0.7 | 0.7 | 0.7 | 0.6 | 0.7 | 0.8 |
| CA\_n1-n3-n7-n40-n78-n105 | 0.7 | 0.7 | 0.7 | 0.6 | 0.7 | 0.8 |
| NOTE 1: “-” denotes ΔTIB,c = 0.  NOTE 2: The component band order in the configuration should be listed by the order of NR bands, such as for CA\_n1-n3-n5-n7-n78 the band order from left to right is n1, n3, n5, n7 and n78. | | | | | | |

##### 7.3A.3.2.5 ΔRIB,c for five bands

Table 7.3A.3.2.5-1: ΔRIB,c due to CA (five bands)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Inter-band CA combination | ΔRIB,c for NR bands (dB)1 | | | | |
| Component band in order of bands in configuration2 | | | | |
| CA\_n1-n3-n5-n7-n78 | 0.2 | 0.2 | 0.2 | 0.2 | 0.5 |
| CA\_n1-n3-n5-n7-n78 | 0.2 | 0.2 | 0.2 | 0.2 | 0.5 |
| CA\_n1-n3-n7-n26-n78 | 0.2 | 0.2 | 0.2 | 0.2 | 0.5 |
| CA\_n1-n3-n7-n28-n38 | - | - | - | 0.2 | - |
| CA\_n1-n3-n7-n28-n78 | 0.2 | 0.2 | 0.2 | 0.2 | 0.5 |
| CA\_n1-n3-n7-n67-n78 | 0.2 | 0.2 | 0.2 | 0.2 | 0.5 |
| CA\_ n1-n3-n28-n41-n77 | 0.2 | 0.5 | 0.2 | 03/0.54 | 0.5 |
| CA\_n1-n3-n28-n41-n79 | - | - | 0.2 | 0.5 | 0.5 |
| CA\_n1-n3-n28-n77-n79 | 0.2 | 0.2 | 0.2 | 0.5 | 0.5 |
| CA\_n1-n3-n40-n78-n105 | 0.2 | 0.2 | 0.2 | 0.5 | 0.2 |
| CA\_n1-n3-n41-n77-n79 | 0.2 | 0.2 | 0.5 | 0.5 | 0.5 |
| CA\_n1-n7-n40-n78-n105 | 0.2 | 0.5 | 0.2 | 0.5 | 0.2 |
| CA\_n1-n28-n41-n77-n79 | 0.2 | 0.2 | 0.5 | 0.5 | 0.5 |
| CA\_n2-n5-n30-n66-n77 | 0.3 | 0.2 | 0.5 | 0.4 | 0.5 |
| CA\_n2-n5-n48-n66-n77 | 0.2 | - | 0.5 | 0.2 | 0.5 |
| CA\_n2-n12-n30-n66-n77 | 0.2 | 0.5 | 0.5 | 0.5 | 0.5 |
| CA\_n2-n14-n30-n66-n77 | 0.2 | 0.2 | 0.5 | 0.5 | 0.5 |
| CA\_n2-n29-n30-n66-n77 | 0.2 | 0.5 | 0.5 | 0.5 | 0.5 |
| CA\_n3-n7-n40-n78-n105 | 0.2 | 0.5 | 0.2 | 0.5 | 0.2 |
| CA\_n3-n28-n41-n77-n79 | 0.5 | 0.2 | 0.5 | 0.5 | 0.5 |
| NOTE 1: “-” denotes ΔRIB,c = 0.  NOTE 2: The component band order in the configuration should be listed by the order of NR bands, such as for CA\_n1-n3-n5-n7-n78 the band order from left to right is n1 n3, n5, n7 and n78.  NOTE 3: The requirement is applied for UE transmitting on the frequency range of 2545 - 2690 MHz.  NOTE 4: The requirement is applied for UE transmitting on the frequency range of 2496 - 2545 MHz | | | | | |

##### 7.3A.3.2.6 ΔRIB,c for six bands

Table 7.3A.3.2.6-1: ΔRIB,c due to CA (six bands)

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Inter-band CA combination | ΔRIB,c for NR bands (dB)1 | | | | | |
| Component band in order of bands in configuration2 | | | | | |
| CA\_n1-n3-n7-n28-n38-n78 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.5 |
| CA\_n1-n3-n7-n40-n78-n105 | 0.2 | 0.2 | 0.5 | 0.2 | 0.5 | 0.2 |
| NOTE 1: “-” denotes ΔRIB,c = 0.  NOTE 2: The component band order in the configuration should be listed by the order of NR bands, such as for CA\_n1-n3-n5-n7-n78 the band order from left to right is n1 n3, n5, n7 and n78. | | | | | | |

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* End of changes \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*