**3GPP TSG-RAN4 Meeting #116bis** **R4-2514203**

**Prague, Czech Republic, 13 October – 17 October 2025**

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

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | | | | | | | | | |
| ***Title:*** | draft CR 38.101-1 adding 2DL BCS 4 and 5 configurations | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | , KDDI | | | | | | | | | |
| ***Source to TSG:*** | R4 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | NR\_CADC\_SUL\_R19 | | | | |  | ***Date:*** | | | 2025-10-03 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | B |  | | | | | ***Release:*** | | | Rel-19 |
|  | *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-17 (Release 17) Rel-18 (Release 18) Rel-19 (Release 19)  Rel-20 (Release 20)* | |
|  |  | | | | | | | | | |
| ***Reason for change:*** | | Adding new configuration | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | Adding BCS 4 and 5 configurations for:  CA\_n40-n77  CA\_n74-n77  **Technical analysis for CA\_n40-n77 BCS 4 and 5**  Band n40 is adding 5 MHz compared to previous BCS’s.  Band n77 is adding no new channel BW’s compared to previous BCS’s.  In current specification, there are cross-band and harmonic mixing defined for CA\_n40-n77.  Band n40 adding 5 MHz will affect the PC3, PC2 and PC1.5 MSD tables. These tables have now been updated with band n40 using 5 MHz and with 3 dB added to the respective MSD values.  **Technical analysis for CA\_n74-n77 BCS 4 and 5**  Band n74 is adding no new channel BW’s compared to previous BCS’s.  Band n77 is adding adding 25, 30, 70 MHz compared to previous BCS’s.  In current specification, there are no MSD defined for CA\_n74-n77 | | | | | | | | |
|  | |  | | | | | | | | |
| ***Consequences if not approved:*** | | Configurations are not added | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 5.5A.3 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **Y** | **N** |  | | | |  | | |
| ***Other specs*** | |  | **X** | Other core specifications | | | | TS/TR ... CR ... | | |
| ***affected:*** | | **X** |  | Test specifications | | | | TS 38.521-1 | | |
| ***(show related CRs)*** | |  | **X** | O&M Specifications | | | | TS/TR ... CR ... | | |
|  | |  | | | | | | | | |
| ***Other comments:*** | |  | | | | | | | | |
|  | |  | | | | | | | | |
| ***This CR's revision history:*** | |  | | | | | | | | |

---Start of changes---

Table 5.5A.3.1-1i: NR CA configurations and bandwidth combinations sets defined for inter-band CA (two bands)

| NR CA configuration | Uplink CA configuration or single uplink carrier10 | NR Band | Channel bandwidth (MHz) (NOTE 3) | Bandwidth combination set |
| --- | --- | --- | --- | --- |
| CA\_n30A-n66A | CA\_n30A-n66A | n30 | 5, 10 | 0 |
|  |  | n66 | 5, 10, 15, 20, 25, 30, 40 |  |
|  |  | n30 | See n30 channel bandwidths in Table 5.3.5-1 | 4 and 5 |
|  |  | n66 | See n66 channel bandwidths in Table 5.3.5-1 |  |
| CA\_n30A-n66(2A) | CA\_n30A-n66A | n30 | 5, 10 | 0 |
|  |  | n66 | CA\_n66(2A)\_BCS1 |  |
|  |  | n30 | See n30 channel bandwidths in Table 5.3.5-1 | 4 and 5 |
|  |  | n66 | CA\_n66(2A)\_BCS 4 and 5 |  |
| CA\_n30A-n66(3A) | CA\_n30A-n66A | n30 | 5, 10 | 0 |
|  |  | n66 | CA\_n66(3A)\_BCS0 |  |
| CA\_n30A-n77A | n778, 9  CA\_n30A-n77A8 | n30 | 5, 10 | 0 |
|  |  | n77 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 |  |
|  |  | n30 | See n30 channel bandwidths in Table 5.3.5-1 | 4 and 5 |
|  |  | n77 | See n77 channel bandwidths in Table 5.3.5-1 |  |
| CA\_n30A-n77(2A) | n778, 9  CA\_n77(2A)  CA\_n30A-n77A8 | n30 | 5, 10 | 0 |
|  |  | n77 | CA\_n77(2A)\_BCS1 |  |
|  | n778, 9  CA\_n30A-n77A8 | n30 | See n30 channel bandwidths in Table 5.3.5-1 | 4 and 5 |
|  |  | n77 | CA\_n77(2A)\_BCS 4 and 5 |  |
| CA\_n34A-n39A | n348,9  n398  CA\_n34A-n39A8 | n34 | See n34 channel bandwidths in Table 5.3.5-1 | 4 and 5 |
|  |  | n39 | See n39 channel bandwidths in Table 5.3.5-1 |  |
| CA\_n34A-n40A | n348,9  n408,9  CA\_n34A-n40A8 | n34 | 5, 10, 15 | 0 |
|  |  | n40 | 5, 10, 15, 20, 25, 30, 40, 50, 60, 80 |  |
|  |  | n34 | See n34 channel bandwidths in Table 5.3.5-1 | 4 and 5 |
|  |  | n40 | See n40 channel bandwidths in Table 5.3.5-1 |  |
| CA\_n34A-n41A | n348,9  n418,9  CA\_n34A-n41A8 | n34 | 5, 10, 15 | 0 |
|  |  | n41 | 10, 15, 20, 30 ,40 ,50, 60, 70, 80, 90, 100 |  |
|  |  | n34 | See n34 channel bandwidths in Table 5.3.5-1 | 4 and 5 |
|  |  | n41 | See n41 channel bandwidths in Table 5.3.5-1 |  |
| CA\_n34A-n41C | n348,9  n418,9  CA\_n41C  CA\_n34A-n41A8  CA\_n34A-n41C | n34 | 5, 10, 15 | 0 |
|  |  | n41 | CA\_n41C\_BCS1 |  |
|  |  | n34 | See n34 channel bandwidths in Table 5.3.5-1 | 4 and 5 |
|  |  | n41 | CA\_n41C\_BCS4 and 5 |  |
| CA\_n34A-n79A | n348,9  n798,9  CA\_n34A-n79A8 | n34 | 5, 10, 15 | 0 |
|  |  | n79 | 40, 50, 60, 80, 100 |  |
|  |  | n34 | See n34 channel bandwidths in Table 5.3.5-1 | 4 and 5 |
|  |  | n79 | See n79 channel bandwidths in Table 5.3.5-1 |  |
| CA\_n34A-n79C | n348,9  n798,9  CA\_n34A-n79A8 | n34 | 5, 10, 15 | 0 |
|  |  | n79 | CA\_n79C\_BCS0 |  |
|  | n348,9  n798,9  CA\_n79C  CA\_n34A-n79A8  CA\_n34A-n79C | n34 | See n34 channel bandwidths in Table 5.3.5-1 | 4 and 5 |
|  |  | n79 | CA\_n79C\_BCS4 and 5 |  |
| CA\_n34A-n104A | CA\_n34A-n104A | n34 | 5, 10, 15 | 0 |
|  |  | n104 | 20, 30, 40, 50, 60, 70, 80, 90, 100 |  |
|  |  | n34 | n34 channel bandwidths in Table 5.3.5-1 | 4 and 5 |
|  |  | n104 | n104 channel bandwidths in Table 5.3.5-1 |  |
| CA\_n34A-n104C | CA\_n104C  CA\_n34A-n104A  CA\_n34A-n104C | n34 | 5, 10, 15 | 0 |
|  |  | n104 | CA\_n104C\_BCS0 |  |
|  |  | n34 | n34 channel bandwidths in Table 5.3.5-1 | 4 and 5 |
|  |  | n104 | CA\_n104C\_BCS 4 and 5 |  |
| CA\_n38A-n40A | - | n38 | 5, 10, 15, 20, 25, 30, 40 | 0 |
|  |  | n40 | 5, 10, 15, 20, 30, 40, 50, 60, 70, 80, 90, 100 |  |
| CA\_n38A-n66A | CA\_n38A-n66A | n38 | 5, 10, 15, 20 | 0 |
|  |  | n66 | 5, 10, 15, 20, 30, 40 |  |
|  |  | n38 | 5, 10, 15, 20, 25, 30, 40 | 1 |
|  |  | n66 | 5, 10, 15, 20, 25, 30, 40 |  |
| CA\_n38A-n66(2A) | CA\_n38A-n66A | n38 | 5, 10, 15, 20 | 0 |
|  |  | n66 | CA\_n66(2A)\_BCS1 |  |
|  |  | n38 | 5, 10, 15, 20, 25, 30, 40 | 1 |
|  |  | n66 | CA\_n66(2A)\_BCS1 |  |
| CA\_n38A-n71A | - | n38 | 5, 10, 15, 20 | 0 |
|  |  | n71 | 5, 10, 15, 20 |  |
| CA\_n38A-n78A | CA\_n38A-n78A | n38 | 5, 10, 15, 20 | 0 |
|  |  | n78 | 10, 15, 20, 25, 30, 40, 50, 60, 80, 90, 100 |  |
|  |  | n38 | 5, 10, 15, 20, 25, 30, 40 | 1 |
|  |  | n78 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 |  |
|  |  | n38 | See n38 channel bandwidths in Table 5.3.5-1 | 4 and 5 |
|  |  | n78 | See n78 channel bandwidths in Table 5.3.5-1 |  |
| CA\_n38A-n78(2A) | CA\_n38A-n78A | n38 | 5, 10, 15, 20 | 0 |
|  |  | n78 | CA\_n78(2A)\_BCS0 |  |
|  |  | n38 | 5, 10, 15, 20 | 1 |
|  |  | n78 | CA\_n78(2A)\_BCS2 |  |
|  |  | n38 | See n38 channel bandwidths in Table 5.3.5-1 | 4 and 5 |
|  |  | n78 | CA\_n78(2A)\_BCS4 and 5 |  |
| CA\_n38A-n79A | - | n38 | 5, 10, 15, 20, 25, 30, 40 | 0 |
|  |  | n79 | 40, 50, 60, 80, 100 |  |
|  |  | n38 | See n38 channel bandwidths in Table 5.3.5-1 | 4 and 5 |
|  |  | n79 | See n79 channel bandwidths in Table 5.3.5-1 |  |
| CA\_n38A-n79C | - | n38 | 5, 10, 15, 20, 25, 30, 40 | 0 |
|  |  | n79 | CA\_n79C\_BCS0 |  |
|  |  | n38 | See n38 channel bandwidths in Table 5.3.5-1 | 4 and 5 |
|  |  | n79 | CA\_n79C\_BCS4 and 5 |  |
| CA\_n39A-n40A | n398  n408,9  CA\_n39A-n40A8 | n39 | 5, 10, 15, 20, 25, 30, 40 | 0 |
|  |  | n40 | 5, 10, 15, 20, 25, 30, 40, 50, 60, 80 |  |
|  |  | n39 | See n39 channel bandwidths in Table 5.3.5-1 | 4 and 5 |
|  |  | n40 | See n40 channel bandwidths in Table 5.3.5-1 |  |
| CA\_n39A-n41A | n398  n418,9  CA\_n39A-n41A8 | n39 | 5, 10, 15, 20, 25, 30, 40 | 0 |
|  |  | n41 | 10, 15, 20, 40, 50, 60, 80, 90, 100 |  |
|  |  | n39 | See n39 channel bandwidths in Table 5.3.5-1 | 4 and 5 |
|  |  | n41 | See n41 channel bandwidths in Table 5.3.5-1 |  |
| CA\_n39A-n41C | n398  n418,9  CA\_n41C8  CA\_n39A-n41A8  CA\_n39A-n41C8 | n39 | 5, 10, 15, 20, 25, 30, 40 | 0 |
|  |  | n41 | CA\_n41C\_BCS0 |  |
|  |  | n39 | See n39 channel bandwidths in Table 5.3.5-1 | 4 and 5 |
|  |  | n41 | CA\_n41C\_BCS4 and 5 |  |
| CA\_n39A-n41(2A) | CA\_n39A-n41A | n39 | 5, 10, 15, 20, 25, 30, 40 | 0 |
|  |  | n41 | CA\_n41(2A)\_BCS0 |  |
|  |  | n39 | See n39 channel bandwidths in Table 5.3.5-1 | 4 and 5 |
|  |  | n41 | CA\_n41(2A)\_BCS4 and 5 |  |
| CA\_n39A-n79A | n398  n798,9  CA\_n39A-n79A8 | n39 | 5, 10, 15, 20, 25, 30, 40 | 0 |
|  |  | n79 | 40, 50, 60, 80, 100 |  |
|  |  | n39 | See n39 channel bandwidths in Table 5.3.5-1 | 4 and 5 |
|  |  | n79 | See n79 channel bandwidths in Table 5.3.5-1 |  |
| CA\_n39A-n79C | CA\_n79C  CA\_n39A-n79A  CA\_n39A-n79C | n39 | 5, 10, 15, 20, 25, 30, 40 | 0 |
|  |  | n79 | CA\_n79C\_BCS0 |  |
|  |  | n39 | See n39 channel bandwidths in Table 5.3.5-1 | 4 and 5 |
|  |  | n79 | CA\_n79C\_BCS4 and 5 |  |
| CA\_n40A-n41A | n408,9  n418,9  CA\_n40A-n41A8 | n40 | 5, 10, 15, 20, 25, 30, 40, 50, 60, 80 | 0 |
|  |  | n41 | 10, 15, 20, 40, 50, 60, 80, 90, 100 |  |
|  |  | n40 | 5, 10, 15, 20, 25, 30, 40 | 1 |
|  |  | n41 | 10, 15, 20, 40, 50, 60 |  |
|  |  | n40 | See n40 channel bandwidths in Table 5.3.5-1 | 4 and 5 |
|  |  | n41 | See n41 channel bandwidths in Table 5.3.5-1 |  |
| CA\_n40A-n41C | CA\_n41C  CA\_n40A-n41A  CA\_n40A-n41C | n40 | 5, 10, 15, 20, 25, 30, 40 | 0 |
|  |  | n41 | CA\_n41C\_BCS0 |  |
|  |  | n40 | See n40 channel bandwidths in Table 5.3.5-1 | 4 and 5 |
|  |  | n41 | CA\_n41C\_BCS4 and 5 |  |
| CA\_n40A-n50A | CA\_n40A-n50A | n40 | n40 channel bandwidths in Table 5.3.5-1 | 4 and 5 |
|  |  | n50 | n50 channel bandwidths in Table 5.3.5-1 |  |
| CA\_n40A-n71A | CA\_n40A-n71A | n40 | n40 channel bandwidths in Table 5.3.5-1 | 4 and 5 |
|  |  | n71 | n71 channel bandwidths in Table 5.3.5-1 |  |
| CA\_n40A-n77A | n408,9  n778,9  CA\_n40A-n77A8 | n40 | 10, 15, 20, 25, 30, 40, 50, 60, 80, 90, 100 | 0 |
|  |  | n77 | 10, 15, 20, 25, 30, 40, 50, 60, 704,80, 904, 100 |  |
|  |  | n40 | See n40 channel bandwidths in Table 5.3.5-1 | 4 and 5 |
|  |  | n77 | See n77 channel bandwidths in Table 5.3.5-1 |  |
| CA\_n40A-n77(2A) | CA\_n40A-n77A | n40 | 10, 15, 20, 25, 30, 40, 50, 60, 80, 90, 100 | 0 |
|  |  | n77 | CA\_n77(2A)\_BCS1 |  |
|  |  | n40 | See n40 channel bandwidths in Table 5.3.5-1 | 4 and 5 |
|  |  | n77 | CA\_n77(2A)\_BCS4 and 5 |  |
| CA\_n40A-n77C | - | n40 | 10, 15, 20, 25, 30, 40, 50, 60, 80, 90, 100 | 0 |
|  |  | n77 | CA\_n77C\_BCS1 |  |
| CA\_n40B-n77A | n778  CA\_n40A-n77A | n40 | CA\_n40B\_BCS1 | 0 |
|  |  | n77 | 10, 15, 20, 25, 30, 40, 50, 60, 704,80, 904, 100 |  |
| CA\_n40B-n77(2A) | CA\_n40A-n77A | n40 | CA\_n40B\_BCS1 | 0 |
|  |  | n77 | CA\_n77(2A)\_BCS1 |  |
| CA\_n40B-n77C | CA\_n40A-n77A | n40 | CA\_n40B\_BCS1 | 0 |
|  |  | n77 | CA\_n77C\_BCS1 |  |
| CA\_n40A-n78A | n408,9  n788,9  CA\_n40A-n78A8 | n40 | 5, 10, 15, 20, 25, 30, 40, 50, 60, 80 | 0 |
|  |  | n78 | 10, 15, 20, 40, 50, 60, 80, 90, 100 |  |
|  |  | n40 | 5, 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 | 1 |
|  |  | n78 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 |  |
|  |  | n40 | See n40 channel bandwidths in Table 5.3.5-1 | 4 and 5 |
|  |  | n78 | See n78 channel bandwidths in Table 5.3.5-1 |  |
| CA\_n40A-n78(2A) | CA\_n40A-n78A | n40 | 5, 10, 15, 20, 25, 30, 40, 50, 60, 80 | 0 |
|  |  | n78 | CA\_n78(2A)\_BCS1 |  |
|  |  | n40 | See n40 channel bandwidths in Table 5.3.5-1 | 4 and 5 |
|  |  | n78 | CA\_n78(2A)\_BCS4 and 5 |  |
| CA\_n40A-n78C | CA\_n40A-n78A | n40 | 10, 15, 20, 30, 40, 50, 60, 70, 80, 90, 100 | 0 |
|  |  | n78 | CA\_n78C\_BCS1 |  |
| CA\_n40B-n78A | - | n40 | CA\_n40B\_BCS0 | 0 |
|  |  | n78 | 10, 15, 20, 40, 50, 60, 80, 90, 100 |  |
|  | CA\_n40A-n78A | n40 | CA\_n40B\_BCS1 | 1 |
|  |  | n78 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 |  |
| CA\_n40B-n78(2A) | CA\_n40A-n78A | n40 | CA\_n40B\_BCS1 | 0 |
|  |  | n78 | CA\_n78(2A)\_BCS2 |  |
|  |  | n40 | CA\_n40B\_BCS 4 and 5 | 4 and 5 |
|  |  | n78 | CA\_n78(2A)\_BCS4 and 5 |  |
| CA\_n40B-n78C | CA\_n40A-n78A | n40 | CA\_n40B\_BCS1 | 0 |
|  |  | n78 | CA\_n78C\_BCS1 |  |
| CA\_n40A-n79A | n408,9  n798,9  CA\_n40A-n79A8 | n40 | 5, 10, 15, 20, 25, 30, 40, 50, 60, 80 | 0 |
|  |  | n79 | 40, 50, 60, 80, 100 |  |
|  |  | n40 | 5, 10, 15, 20, 25, 30, 40 | 1 |
|  |  | n79 | 40, 50, 60, 80, 100 |  |
|  |  | n40 | See n40 channel bandwidths in Table 5.3.5-1 | 4 and 5 |
|  |  | n79 | See n79 channel bandwidths in Table 5.3.5-1 |  |
| CA\_n40A-n79C | n408,9  n798,9  CA\_n79C8  CA\_n40A-n79A8 | n40 | 5, 10, 15, 20, 25, 30, 40, 50, 60, 80 | 0 |
|  |  | n79 | CA\_n79C\_BCS0 |  |
|  | CA\_n79C  CA\_n40A-n79A  CA\_n40A-n79C | n40 | See n40 channel bandwidths in Table 5.3.5-1 | 4 and 5 |
|  |  | n79 | CA\_n79C\_BCS0 |  |
| CA\_n40A-n105A | CA\_n40A-n105A | n40 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 | 0 |
|  |  | n105 | 5, 10, 15, 20, 25, 30, 35 |  |

---Text omitted---

Table 5.5A.3.1-1n: NR CA configurations and bandwidth combinations sets defined for inter-band CA (two bands)

| NR CA configuration | Uplink CA configuration or single uplink carrier10 | NR Band | Channel bandwidth (MHz) (NOTE 3) | Bandwidth combination set |
| --- | --- | --- | --- | --- |
| CA\_n70A-n71A | n708  n718  CA\_n70A-n71A | n70 | 5, 10, 15, 201, 251 | 0 |
|  |  | n71 | 5, 10, 15, 20 |  |
|  |  | n70 | n70 channel bandwidths in Table 5.3.5-1 | 4 and 5 |
|  |  | n71 | n71 channel bandwidths in Table 5.3.5-1 |  |
| CA\_n70A-n71(2A) | CA\_n70A-n71A | n70 | 5, 10, 15, 201, 251 | 0 |
|  |  | n71 | CA\_n71(2A)\_BCS0 |  |
|  |  | n70 | n70 channel bandwidths in Table 5.3.5-1 | 4 and 5 |
|  |  | n71 | CA\_n71(2A)\_BCS 4 and 5 |  |
| CA\_n70A-n77A | n708  CA\_n70A-n77A13,14 | n70 | 5, 10, 15, 201, 251 | 0 |
|  |  | n77 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 |  |
| CA\_n70A-n78A | CA\_n70A-n78A | n70 | 5, 10, 15, 201, 251 | 0 |
|  |  | n78 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 |  |
| CA\_n71A-n77A | n718  n778, 9  CA\_n71A-n77A8,13,14 | n71 | 5, 10, 15, 20 | 0 |
|  |  | n77 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 |  |
|  |  | n71 | n71 channel bandwidths in Table 5.3.5-1 | 4 and 5 |
|  |  | n77 | n77 channel bandwidths in Table 5.3.5-1 |  |
| CA\_n71A-n77(2A) | n718  n778, 9  CA\_n77(2A)8  CA\_n71A-n77A8,13,14 | n71 | 5, 10, 15, 20 | 0 |
|  |  | n77 | CA\_n77(2A)\_BCS1 |  |
|  |  | n71 | n71 channel bandwidths in Table 5.3.5-1 | 4 and 5 |
|  |  | n77 | CA\_n77(2A)\_BCS 4 and 5 |  |
| CA\_n71A-n77(3A) | n778, 9  CA\_n77(2A)8  CA\_n71A-n77A8 | n71 | 5, 10, 15, 20 | 0 |
|  |  | n77 | CA\_n77(3A)\_BCS1 |  |
|  |  | n71 | n71 channel bandwidths in Table 5.3.5-1 | 4 and 5 |
|  |  | n77 | CA\_n77(3A)\_BCS4 and 5 |  |
| CA\_n71A-n77B | CA\_n71A-n77A | n71 | n71 channel bandwidths in Table 5.3.5-1 | 4 and 5 |
|  |  | n77 | CA\_n77B\_BCS 4 and 5 |  |
| CA\_n71A-n77C | CA\_n71A-n77A | n71 | n71 channel bandwidths in Table 5.3.5-1 | 4 and 5 |
|  |  | n77 | CA\_n77C\_BCS 4 and 5 |  |
| CA\_n71B-n77A | n718  n778, 9  CA\_n71A-n77A8,13,14 | n71 | CA\_n71B\_BCS2 | 0 |
|  |  | n77 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 |  |
|  |  | n71 | CA\_n71B\_BCS 4 and 5 | 4 and 5 |
|  |  | n77 | n77 channel bandwidths in Table 5.3.5-1 |  |
| CA\_n71B-n77(2A) | n718  n778, 9  CA\_n71A-n77A8 | n71 | CA\_n71B\_BCS2 | 0 |
|  |  | n77 | CA\_n77(2A)\_BCS1 |  |
|  |  | n71 | CA\_n71B\_BCS 4 and 5 | 4 and 5 |
|  |  | n77 | CA\_n77(2A)\_BCS 4 and 5 |  |
| CA\_n71(2A)-n77A | n718  n778, 9  CA\_n71A-n77A8,13,14 | n71 | CA\_n71(2A)\_BCS0 | 0 |
|  |  | n77 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 |  |
|  |  | n71 | CA\_n71(2A)\_BCS 4 and 5 | 4 and 5 |
|  |  | n77 | n77 channel bandwidths in Table 5.3.5-1 |  |
| CA\_n71(2A)-n77(2A) | n718  n778, 9  CA\_n71A-n77A8 | n71 | CA\_n71(2A)\_BCS0 | 0 |
|  |  | n77 | CA\_n77(2A)\_BCS1 |  |
|  |  | n71 | CA\_n71(2A)\_BCS 4 and 5 | 4 and 5 |
|  |  | n77 | CA\_n77(2A)\_BCS 4 and 5 |  |
| CA\_n71(2A)-n77B | CA\_n71A-n77A | n71 | CA\_n71(2A)\_BCS 4 and 5 | 4 and 5 |
|  |  | n77 | CA\_n77B\_BCS 4 and 5 |  |
| CA\_n71(2A)-n77C | CA\_n71A-n77A | n71 | CA\_n71(2A)\_BCS 4 and 5 | 4 and 5 |
|  |  | n77 | CA\_n77C\_BCS 4 and 5 |  |
| CA\_n71A-n78A | n788,9  CA\_n71A-n78A8 | n71 | 5, 10, 15, 20 | 0 |
|  |  | n78 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 |  |
|  |  | n71 | See n71 channel bandwidths in Table 5.3.5-1 | 4 and 5 |
|  |  | n78 | See n78 channel bandwidths in Table 5.3.5-1 |  |
| CA\_n71A-n78(2A) | n788,9  CA\_n71A-n78A8 | n71 | 10, 15, 20 | 0 |
|  |  | n78 | CA\_n78(2A)\_BCS2 |  |
|  |  | n71 | See n71 channel bandwidths in Table 5.3.5-1 | 4 and 5 |
|  |  | n78 | CA\_n78(2A)\_BCS4 and 5 |  |
| CA\_n71A-n78C | CA\_n71A-n78A  CA\_n71A-n78C  CA\_n78C | n71 | See n71 channel bandwidths in Table 5.3.5-1 | 4 and 5 |
|  |  | n78 | CA\_n78C\_BCS4 and 5 |  |
| CA\_n71A-n85A | n718 | n71 | See n71 channel bandwidths in Table 5.3.5-1 | 4 and 5 |
|  |  | n85 | See n85 channel bandwidths in Table 5.3.5-1 |  |
| CA\_n71(2A)-n85A | - | n71 | CA\_n71(2A)\_BCS 4 and 5 | 4 and 5 |
|  |  | n85 | See n85 channel bandwidths in Table 5.3.5-1 |  |
| CA\_n71B-n85A | - | n71 | CA\_n71B\_BCS 4 and 5 | 4 and 5 |
|  |  | n85 | See n85 channel bandwidths in Table 5.3.5-1 |  |
| CA\_n74A-n77A | n778  CA\_n74A-n77A8 | n74 | 5, 10, 15, 20 | 0 |
|  |  | n77 | 10, 15, 20, 40, 50, 60, 80, 90, 100 |  |
|  |  | n74 | n74 channel bandwidths in Table 5.3.5-1 | 4 and 5 |
|  |  | n77 | n77 channel bandwidths in Table 5.3.5-1 |  |
| CA\_n74A-n77(2A) | n778  CA\_n74A-n77A8  CA\_n77(2A)8 | n74 | 5, 10, 15, 20 | 0 |
|  |  | n77 | CA\_n77(2A)\_BCS1 |  |
|  |  | n74 | n74 channel bandwidths in Table 5.3.5-1 | 4 and 5 |
|  |  | n77 | CA\_n77(2A)\_BCS 4 and 5 |  |
| CA\_n74A-n78A | CA\_n74A-n78A | n74 | 5, 10, 15, 20 | 0 |
|  |  | n78 | 10, 15, 20, 40, 50, 60, 80, 90, 100 |  |
| CA\_n75A-n78A | - | n75 | 5, 10, 15, 20 | 0 |
|  |  | n78 | 10, 15, 20, 40, 50, 60, 80, 90, 100 |  |
|  |  | n75 | n75 channel bandwidths in Table 5.3.5-1 | 4 and 5 |
|  |  | n78 | n78 channel bandwidths in Table 5.3.5-1 |  |
| CA\_n75A-n78(2A) | - | n75 | 5, 10, 15, 20 | 0 |
|  |  | n78 | CA\_n78(2A)\_BCS1 |  |
|  |  | n75 | n75 channel bandwidths in Table 5.3.5-1 | 4 and 5 |
|  |  | n78 | CA\_n78(2A)\_BCS4 and 5 |  |
| CA\_n76A-n78A | - | n76 | 5 | 0 |
|  |  | n78 | 10, 15, 20, 40, 50, 60, 80, 90, 100 |  |
| CA\_n77A-n78A2 | - | n77 | 10, 15, 20, 40, 50, 60, 80, 90, 100 | 0 |
|  |  | n78 | 10, 15, 20, 40, 50, 60, 80, 90, 100 |  |
|  |  | n77 | See n77 channel bandwidths in Table 5.3.5-1 | 4 and 5 |
|  |  | n78 | See n78 channel bandwidths in Table 5.3.5-1 |  |
| CA\_n77A-n78C2 | - | n77 | 10,15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 | 0 |
|  |  | n78 | CA\_n78C\_BCS1 |  |
| CA\_n77A-n78(2A)2 | - | n77 | 10,15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 | 0 |
|  |  | n78 | CA\_n78(2A)\_BCS2 |  |
|  |  | n77 | See n77 channel bandwidths in Table 5.3.5-1 | 4 and 5 |
|  |  | n78 | CA\_n78(2A)\_BCS4 and 5 |  |
| CA\_n77A-n79A | n778,9  n798,9  CA\_n77A-n79A8 | n77 | 10, 15, 20, 40, 50, 60, 80, 90, 100 | 0 |
|  |  | n79 | 40, 50, 60, 80, 100 |  |
|  | CA\_n77A-n79A | n77 | See n77 channel bandwidths in Table 5.3.5-1 | 4 and 5 |
|  |  | n79 | See n79 channel bandwidths in Table 5.3.5-1 |  |
| CA\_n77(2A)-n79A | n778,9  n798,9  CA\_n77(2A)8,12  CA\_n77A-n79A8 | n77 | CA\_n77(2A)\_BCS1 | 0 |
|  |  | n79 | 40, 50, 60, 80, 100 |  |
|  | CA\_n77(2A)  CA\_n77A-n79A | n77 | CA\_n77(2A)\_BCS 4 and 5 | 4 and 5 |
|  |  | n79 | See n79 channel bandwidths in Table 5.3.5-1 |  |
| CA\_n77(3A)-n79A | n778,9  n798,9  CA\_n77(2A) 8,12  CA\_n77A-n79A8 | n77 | CA\_n77(3A)\_BCS1 | 0 |
|  |  | n79 | 40, 50, 60, 80, 100 |  |
|  |  | n77 | CA\_n77(3A)\_BCS 4 and 5 | 4 and 5 |
|  |  | n79 | See n79 channel bandwidths in Table 5.3.5-1 |  |
| CA\_n77A-n85A | n778,9  n858  CA\_n77A-n85A8 ,13,14 | n77 | See n77 channel bandwidths in Table 5.3.5-1 | 4 and 5 |
|  |  | n85 | See n85 channel bandwidths in Table 5.3.5-1 |  |
| CA\_n77(2A)-n85A | CA\_n77A-n85A | n77 | CA\_n77(2A)\_BCS 4 and 5 | 4 and 5 |
|  |  | n85 | See n85 channel bandwidths in Table 5.3.5-1 |  |
| CA\_n77A-n102A | CA\_n77A-n102A | n77 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 | 0 |
|  |  | n102 | 20, 40, 60, 80, 100 |  |
| CA\_n77A-n102(2A) | CA\_n77A-n102A | n77 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 | 0 |
|  |  | n102 | CA\_n102(2A)\_BCS0 |  |
| CA\_n77A-n102B | CA\_n77A-n102A  CA\_n77A-n102B | n77 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 | 0 |
|  |  | n102 | CA\_n102B\_BCS0 |  |
| CA\_n77A-n102C | CA\_n77A-n102A  CA\_n77A-n102C | n77 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 | 0 |
|  |  | n102 | CA\_n102C\_BCS0 |  |
| CA\_n77A-n102D | CA\_n77A-n102A | n77 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 | 0 |
|  |  | n102 | CA\_n102D\_BCS0 |  |
| CA\_n77A-n102E | CA\_n77A-n102A | n77 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 | 0 |
|  |  | n102 | CA\_n102E\_BCS0 |  |
| CA\_n77(2A)-n102A | CA\_n77(2A) CA\_n77A-n102A | n77 | CA\_n77(2A)\_BCS4 and 5 | 0 |
|  |  | n102 | 20, 40, 60, 80, 100 |  |
| CA\_n77(2A)-n102(2A) | CA\_n77(2A) CA\_n77A-n102A | n77 | CA\_n77(2A)\_BCS4 and 5 | 0 |
|  |  | n102 | CA\_n102(2A)\_BCS0 |  |
| CA\_n77(2A)-n102B | CA\_n77(2A) CA\_n77A-n102A  CA\_n77A-n102B | n77 | CA\_n77(2A)\_BCS4 and 5 | 0 |
|  |  | n102 | CA\_n102B\_BCS0 |  |
| CA\_n77(2A)-n102C | CA\_n77(2A) CA\_n77A-n102A  CA\_n77A-n102C | n77 | CA\_n77(2A)\_BCS4 and 5 | 0 |
|  |  | n102 | CA\_n102C\_BCS0 |  |
| CA\_n77(2A)-n102D | CA\_n77(2A) CA\_n77A-n102A | n77 | CA\_n77(2A)\_BCS4 and 5 | 0 |
|  |  | n102 | CA\_n102D\_BCS0 |  |
| CA\_n77(2A)-n102E | CA\_n77(2A) CA\_n77A-n102A | n77 | CA\_n77(2A)\_BCS4 and 5 | 0 |
|  |  | n102 | CA\_n102E\_BCS0 |  |
| CA\_n78A-n79A | n788,9  n798,9  CA\_n78A-n79A8 | n78 | 10, 15, 20, 40, 50, 60, 80, 90, 100 | 0 |
|  |  | n79 | 40, 50, 60, 80, 100 |  |
|  |  | n78 | 10, 15, 20, 25, 30, 40, 50, 60, 80, 90, 100 | 1 |
|  |  | n79 | 40, 50, 60, 80, 100 |  |
|  |  | n78 | See n78 channel bandwidths in Table 5.3.5-1 | 4 and 5 |
|  |  | n79 | See n79 channel bandwidths in Table 5.3.5-1 |  |
| CA\_n78A-n79C | - | n78 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 | 0 |
|  |  | n79 | CA\_n79C\_BCS0 |  |
|  |  | n78 | See n78 channel bandwidths in Table 5.3.5-1 | 4 and 5 |
|  |  | n79 | CA\_n79C\_BCS4 and 5 |  |
| CA\_n78(2A)-n79A | n788,9  n798,9  CA\_n78A-n79A | n78 | CA\_n78(2A)\_BCS1 | 0 |
|  |  | n79 | 40, 50, 60, 80, 100 |  |
|  |  | n78 | CA\_n78(2A)\_BCS4 and 5 | 4 and 5 |
|  |  | n79 | See n79 channel bandwidths in Table 5.3.5-1 |  |
| CA\_n78A-n92A | CA\_n78A-n92A | n78 | 10, 15, 20, 40, 50, 60, 80, 90, 100 | 0 |
|  |  | n92 | 5, 10, 15, 20 |  |
|  |  | n78 | See n78 channel bandwidths in Table 5.3.5-1 | 4 and 5 |
|  |  | n92 | See n92 channel bandwidths in Table 5.3.5-1 |  |
| CA\_n78(2A)-n92A | CA\_n78A-n92A | n78 | CA\_n78(2A)\_BCS0 | 0 |
|  |  | n92 | 5, 10, 15, 20 |  |
|  |  | n78 | CA\_n78(2A)\_BCS4 and 5 | 4 and 5 |
|  |  | n92 | See n92 channel bandwidths in Table 5.3.5-1 |  |
| CA\_n78A-n94A | - | n78 | 10, 15, 20, 40, 50, 60, 80, 90, 100 | 0 |
|  |  | n94 | 5, 10, 15, 20 |  |
| CA\_n78A-n102A | CA\_n78A-n102A | n78 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 | 0 |
|  |  | n102 | 20, 40, 60, 80, 100 |  |
| CA\_n78A-n102(2A) | CA\_n78A-n102A | n78 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 | 0 |
|  |  | n102 | CA\_n102(2A)\_BCS0 |  |
| CA\_n78A-n102B | CA\_n78A-n102A  CA\_n78A-n102B | n78 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 | 0 |
|  |  | n102 | CA\_n102B\_BCS0 |  |
| CA\_n78A-n102C | CA\_n78A-n102A  CA\_n78A-n102C | n78 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 | 0 |
|  |  | n102 | CA\_n102C\_BCS0 |  |
| CA\_n78A-n102D | CA\_n78A-n102A | n78 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 | 0 |
|  |  | n102 | CA\_n102D\_BCS0 |  |
| CA\_n78A-n102E | CA\_n78A-n102A | n78 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 | 0 |
|  |  | n102 | CA\_n102E\_BCS0 |  |
| CA\_n78(2A)-n102A | CA\_n78A-n102A  CA\_n78(2A) | n78 | CA\_n78(2A)\_BCS2 | 0 |
|  |  | n102 | 20, 40, 60, 80, 100 |  |
| CA\_n78(2A)-n102B | CA\_n78A-n102A  CA\_n78(2A)  CA\_n78A-n102B | n78 | CA\_n78(2A)\_BCS2 | 0 |
|  |  | n102 | CA\_n102B\_BCS0 |  |
| CA\_n78(2A)-n102C | CA\_n78A-n102A  CA\_n78(2A)  CA\_n78A-n102C | n78 | CA\_n78(2A)\_BCS2 | 0 |
|  |  | n102 | CA\_n102C\_BCS0 |  |
| CA\_n78(2A)-n102D | CA\_n78A-n102A  CA\_n78(2A) | n78 | CA\_n78(2A)\_BCS2 | 0 |
|  |  | n102 | CA\_n102D\_BCS0 |  |
| CA\_n78(2A)-n102E | CA\_n78A-n102A  CA\_n78(2A) | n78 | CA\_n78(2A)\_BCS2 | 0 |
|  |  | n102 | CA\_n102E\_BCS0 |  |
| CA\_n78(2A)-n102(2A) | CA\_n78A-n102A  CA\_n78(2A) | n78 | CA\_n78(2A)\_BCS2 | 0 |
|  |  | n102 | CA\_n102(2A)\_BCS0 |  |
| CA\_n78A-n104A | CA\_n78A-n104A | n78 | n78 channel bandwidths in Table 5.3.5-1 | 4 and 5 |
|  |  | n104 | n104 channel bandwidths in Table 5.3.5-1 |  |
| CA\_n78A-n105A | CA\_n78A-n105A | n78 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 | 0 |
|  |  | n105 | 5, 10, 15, 20, 25, 30, 35 |  |

---Text omitted---

Table 7.3A.4-4: Reference sensitivity exceptions and uplink/downlink configurations due to harmonic mixing from a PC3 aggressor NR UL band for DL NR CA FR1

| UL band | DL band | UL BW | SCS of UL band | UL RB Allocation | DL BW | MSD | UL/DL fc condition | UL/DL harmonic order |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| (MHz) | (kHz) | LCRB | (MHz) | (dB) |
| n1 | n1053 | 5 | 15 | 25 | 5 | 26.8 | NOTE 4 | UL1/DL3 |
| n1 | n713 | 5 | 15 | 25 | 5 | 26.8 | NOTE 4 | UL1/DL3 |
| n2 | n713 | 5 | 15 | 25 | 5 | 26.8 | NOTE 4 | UL1/DL3 |
| n2 | n713 | 5 | 15 | 25 | 20 | 15.6 | NOTE 4 | UL1/DL3 |
| n3 | n5 | 5 | 15 | 25 | 5 | 4 | NOTE 7 | UL1/DL2 |
| n3 | n26 | 5 | 15 | 25 | 5 | 3.7 | NOTE 7 | UL1/DL2 |
| n7 | n263 | 5 | 15 | 25 | 5 | 2.0 | NOTE 10 | UL1/DL3 Near miss |
| n7 | n71 | 5 | 15 | 25 | 5 | 5.7 | NOTE 8 | UL1/DL4 |
| n25 | n41 | 5 | 15 | 6 | 10 | 1.3 | NOTE 9 | UL4/DL3 |
| n25 | n713 | 5 | 15 | 25 | 5 | 26.8 | NOTE 4 | UL1/DL3 |
| n25 | n713 | 5 | 15 | 25 | 20 | 15.6 | NOTE 4 | UL1/DL3 |
| n39 | n41 | 5 | 15 | 6 | 10 | 9.3 | NOTE 9 | UL4/DL3 |
| n39 | n41 | 5 | 15 | 6 | 100 | 2.2 | NOTE 9 | UL4/DL3 |
| n40 | n203 | 10 | 15 | 25 | 5 | 27.8 | NOTE 4 | UL1/DL3 |
| n40 | n203 | 10 | 15 | 25 | 20 | 20.6 | NOTE 4 | UL1/DL3 |
| n40 | n283 | 10 | 15 | 25 | 5 | 37.8 | NOTE 4 | UL1/DL3 |
| n40 | n283 | 10 | 15 | 25 | 20 | 30.1 | NOTE 4 | UL1/DL3 |
| n41 | n53 | 10 | 15 | 25 | 5 | 24.3 | NOTE 4 | UL1/DL3 |
| n41 | n183 | 10 | 15 | 25 | 5 | 26.3 | NOTE 4 | UL1/DL3 |
| n41 | n183 | 10 | 15 | 25 | 15 | 21.3 | NOTE 4 | UL1/DL3 |
| n41 | n39 | 10 | 15 | 8 | 5 | 4.3 | NOTE 12 | UL3/DL4 |
| n41 | n39 | 10 | 15 | 8 | 40 | 0.8 | NOTE 12 | UL3/DL4 |
| n41 | n48 | 10 | 15 | 6 | 5 | 12.3 | NOTE 9 | UL4/DL3 |
| n41 | n48 | 10 | 15 | 6 | 100 | 2.3 | NOTE 9 | UL4/DL3 |
| n41 | n77 | 10 | 15 | 6 | 10 | 8.9 | NOTE 9 | UL4/DL3 |
| n41 | n77 | 10 | 15 | 6 | 100 | 2.1 | NOTE 9 | UL4/DL3 |
| n41 | n78 | 10 | 15 | 6 | 10 | 9.3 | NOTE 9 | UL4/DL3 |
| n41 | n78 | 10 | 15 | 6 | 100 | 2.3 | NOTE 9 | UL4/DL3 |
| n46 | n7 | 20 | 15 | 25 | 5 | 10.9 | NOTE 7 | UL1/DL2 |
| n46 | n7 | 20 | 15 | 25 | 50 | 1 | NOTE 7 | UL1/DL2 |
| n46 | n48 | 20 | 15 | 12 | 5 | 26.8 | NOTE 2 | UL2/DL3 |
| n46 | n48 | 20 | 15 | 12 | 100 | 13.5 | NOTE 2 | UL2/DL3 |
| n46 | n77 | 20 | 15 | 12 | 10 | 20.6 | NOTE 2 | UL2/DL3 |
| n46 | n77 | 20 | 15 | 12 | 100 | 10.6 | NOTE 2 | UL2/DL3 |
| n46 | n78 | 20 | 15 | 12 | 10 | 21.1 | NOTE 2 | UL2/DL3 |
| n46 | n78 | 20 | 15 | 12 | 100 | 11.1 | NOTE 2 | UL2/DL3 |
| n48 | n5 | 10 | 15 | 25 | 5 | 5.7 | NOTE 8 | UL1/DL4 |
| n48 | n12 | 10 | 15 | 25 | 5 | 31 | NOTE 5 | UL1/DL5 |
| n48 | n12 | 10 | 15 | 25 | 15 | 18 | NOTE 5 | UL1/DL5 |
| n48 | n26 | 10 | 15 | 25 | 5 | 5.4 | NOTE 8 | UL1/DL4 |
| n48 | n26 | 10 | 15 | 25 | 20 | 1 | NOTE 8 | UL1/DL4 |
| n48 | n29 | 10 | 15 | 25 | 5 | 31 | NOTE 5 | UL1/DL5 |
| n48 | n29 | 10 | 15 | 25 | 10 | 27.8 | NOTE 5 | UL1/DL5 |
| n77 | n2 | 10 | 15 | 25 | 5 | 6.7 | NOTE 7 | UL1/DL2 |
| n77 | n2 | 10 | 15 | 25 | 20 | 2.8 | NOTE 7 | UL1/DL2 |
| n77 | n3 | 10 | 15 | 25 | 5 | 5.7 | NOTE 7 | UL1/DL2 |
| n77 | n3 | 10 | 15 | 25 | 20 | 2.2 | NOTE 7 | UL1/DL2 |
| n77 | n5 | 10 | 15 | 25 | 5 | 5.7 | NOTE 8 | UL1/DL4 |
| n77 | n5 | 10 | 15 | 25 | 20 | 0.8 | NOTE 8 | UL1/DL4 |
| n77 | n7 | 10 | 15 | 12 | 5 | 14.7 | NOTE 2 | UL2/DL3 |
| n77 | n7 | 10 | 15 | 12 | 50 | 2.2 | NOTE 2 | UL2/DL3 |
| n77 | n8 | 10 | 15 | 25 | 5 | 5.7 | NOTE 8 | UL1/DL4 |
| n77 | n8 | 10 | 15 | 25 | 20 | 0.8 | NOTE 8 | UL1/DL4 |
| n77 | n12 | 10 | 15 | 25 | 5 | 31 | NOTE 5 | UL1/DL5 |
| n77 | n12 | 10 | 15 | 25 | 15 | 18 | NOTE 5 | UL1/DL5 |
| n77 | n13 | 10 | 15 | 25 | 5 | 31 | NOTE 5 | UL1/DL5 |
| n77 | n13 | 10 | 15 | 25 | 10 | 27.8 | NOTE 5 | UL1/DL5 |
| n77 | n14 | 10 | 15 | 25 | 5 | 31 | NOTE 5 | UL1/DL5 |
| n77 | n14 | 10 | 15 | 25 | 10 | 27.8 | NOTE 5 | UL1/DL5 |
| n77 | n20 | 10 | 15 | 25 | 5 | 31 | NOTE 5 | UL1/DL5 |
| n77 | n20 | 10 | 15 | 25 | 20 | 23.5 | NOTE 5 | UL1/DL5 |
| n77 | n25 | 10 | 15 | 25 | 5 | 5.6 | NOTE 7 | UL1/DL2 |
| n77 | n25 | 10 | 15 | 25 | 40 | 0.3 | NOTE 7 | UL1/DL2 |
| n77 | n26 | 10 | 15 | 25 | 5 | 5.4 | NOTE 8 | UL1/DL4 |
| n77 | n28 | 10 | 15 | 25 | 5 | 31 | NOTE 5 | UL1/DL5 |
| n77 | n28 | 10 | 15 | 25 | 30 | 11.4 | NOTE 5 | UL1/DL5 |
| n776 | n29 | 10 | 15 | 25 | 5 | 31 | NOTE 5 | UL1/DL5 |
| n776 | n29 | 10 | 15 | 25 | 10 | 27.8 | NOTE 5 | UL1/DL5 |
| n77 | n30 | 10 | 15 | 12 | 5 | 10.4 | NOTE 2 | UL2/DL3 |
| n77 | n30 | 10 | 15 | 12 | 10 | 7.6 | NOTE 2 | UL2/DL3 |
| n77 | n40 | 10 | 15 | 12 | 5 | 14.7 | NOTE 2 | UL2/DL3 |
| n77 | n40 | 10 | 15 | 12 | 100 | 3.6 | NOTE 2 | UL2/DL3 |
| n77 | n41 | 10 | 15 | 12 | 10 | 11.7 | NOTE 2 | UL2/DL3 |
| n77 | n41 | 10 | 15 | 12 | 100 | 3.6 | NOTE 2 | UL2/DL3 |
| n776 | n70 | N/A | N/A | N/A | N/A | N/A | NOTE 7 | UL1/DL2 |
| n77 | n85 | 10 | 15 | 25 | 5 | 31 | NOTE 5 | UL1/DL5 |
| n77 | n85 | 10 | 15 | 25 | 15 | 18 | NOTE 5 | UL1/DL5 |
| n78 | n2 | 10 | 15 | 25 | 5 | 6.7 | NOTE 7 | UL1/DL2 |
| n78 | n2 | 10 | 15 | 25 | 20 | 2.8 | NOTE 7 | UL1/DL2 |
| n78 | n3 | 10 | 15 | 25 | 5 | 5.7 | NOTE 7 | UL1/DL2 |
| n78 | n3 | 10 | 15 | 25 | 20 | 2.2 | NOTE 7 | UL1/DL2 |
| n78 | n5 | 10 | 15 | 25 | 5 | 5.7 | NOTE 8 | UL1/DL4 |
| n78 | n8 | 10 | 15 | 25 | 5 | 5.7 | NOTE 8 | UL1/DL4 |
| n78 | n12 | 10 | 15 | 25 | 5 | 31 | NOTE 5 | UL1/DL5 |
| n78 | n26 | 10 | 15 | 25 | 5 | 5.4 | NOTE 8 | UL1/DL4 |
| n78 | n28 | 10 | 15 | 25 | 5 | 31 | NOTE 5 | UL1/DL5 |
| n78 | n40 | 10 | 15 | 12 | 10 | 11.7 | NOTE 2 | UL2/DL3 |
| n78 | n40 | 10 | 15 | 12 | 100 | 3.6 | NOTE 2 | UL2/DL3 |
| n78 | n41 | 10 | 15 | 12 | 10 | 11.7 | NOTE 2 | UL2/DL3 |
| n78 | n41 | 10 | 15 | 12 | 100 | 3.6 | NOTE 2 | UL2/DL3 |
| n78 | n67 | 10 | 15 | 25 | 5 | 31 | NOTE 5 | UL1/DL5 |
| n78 | n67 | 10 | 15 | 25 | 10 | 27.8 | NOTE 5 | UL1/DL5 |
| n79 | n5 | 10 | 15 | 25 | 5 | 27.5 | NOTE 5 | UL1/DL5 |
| n79 | n8 | 10 | 15 | 25 | 5 | 25 | NOTE 5 | UL1/DL5 |
| n96 | n48 | 20 | 15 | 25 | 5 | 31 | NOTE 7 | UL1/DL2 |
| n96 | n48 | 20 | 15 | 25 | 100 | 17.5 | NOTE 7 | UL1/DL2 |
| n102 | n13 | 20 | 15 | 25 | 5 | 30 | NOTE 4 | UL1/DL3 |
| n104 | n41 | 20 | 15 | 12 | 10 | 22.0 | NOTE 14 | UL2/DL5 |
| n104 | n41 | 20 | 15 | 12 | 100 | 11.9 | NOTE 14 | UL2/DL5 |
| n104 | n78 | 20 | 15 | 25 | 10 | 29 | NOTE 7 | UL1/DL2 |
| n104 | n78 | 20 | 15 | 25 | 100 | 18.8 | NOTE 7 | UL1/DL2 |
| NOTE 1: Void.  NOTE 2: The requirements should be verified for DL NR-ARFCN of the Victim (lower) band (superscript LB) such that and with the UL carrier frequency and the channel bandwidth configured in the higher band, both in MHz.  NOTE 3: These requirements apply when there is at least one individual RE within the downlink transmission bandwidth of the victim (lower) band for which the 3rd harmonic is within the uplink transmission bandwidth or the uplink adjacent channel's transmission bandwidth of an aggressor (higher) band.  NOTE 4: The requirements should be verified for UL NR-ARFCN of the aggressor (higher) band (superscript HB) such that  in MHz and with  the carrier frequency in the victim (lower) band and  the channel bandwidth configured in the higher band.  NOTE 5: The requirements should be verified for DL EARFCN of the victim (lower) band (superscript LB) such that  and with the UL carrier frequency and the channel bandwidth configured in the higher band, both in MHz.  NOTE 6: For a UE which supports this band combination only when the Band n77 frequency range restriction defined in NOTE 12 of Table 5.2-1 applies, the MSD test point(s) cannot be verified for the band combination and the test point(s) can be skipped.  NOTE 7: The requirements should be verified for UL NR-ARFCN of the aggressor (higher) band (superscript HB) such that  in MHz and with  the carrier frequency in the victim (lower) band and  the channel bandwidth configured in the higher band.  NOTE 8: The requirements should be verified for UL NR-ARFCN of the aggressor (higher) band (superscript HB) such that  in MHz and with  the carrier frequency in the victim (lower) band and  the channel bandwidth configured in the higher band.  NOTE 9: The requirements should be verified for DL NR-ARFCN of the victim (higher) band (superscript HB) such that and with the UL carrier frequency and the channel bandwidth configured in the lower band, both in MHz.  NOTE 10: The requirements should be verified for the lowest NR ARFCN of the affected DL (lower) band and for the highest NR ARFCN of the UL (higher) band  NOTE 11: Void.  NOTE 12: The requirements should be verified for UL NR-ARFCN of the aggressor (lower) band (superscript LB) such that in MHz and  with carrier frequency in the victim (higher) band in MHz and  the channel bandwidth configured in the lower band.  NOTE 13: The requirements should be verified using RBstart = floor((NRB-LCRB)/2), where floor(x) is the greatest integer less than or equal to x, and where the UL parameters NRB and LCRB are respectively, the transmission bandwidth configuration and the number of RB’s for the specified UL band channel bandwidth and the UL band subcarrier spacing.  NOTE 14: The requirements should be verified for DL NR-ARFCN of the Victim (lower) band (superscript LB) such that and with the UL carrier frequency and the channel bandwidth configured in the higher band, both in MHz. | | | | | | | | |

Table 7.3A.4-4a-1: Reference sensitivity exceptions and uplink/downlink configurations due to harmonic mixing from a PC2 aggressor NR UL band for NR DL CA FR1

| **UL band** | **DL band** | **UL BW** | **SCS of UL band** | **UL RB Allocation** | **DL BW** | **MSD** | **UL/DL fc condition** | **UL/DL harmonic order** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **(MHz)** | **(kHz)** | **LCRB** | **(MHz)** | **(dB)** |
| n25 | n41 | 5 | 15 | 6 | 10 | 2.213  3.214 | NOTE 8 | UL4/DL3 |
| n25 | n713 | 5 | 15 | 25 | 5 | 29.513  34.514 | NOTE 7 | UL1/DL3 |
| n25 | n713 | 5 | 15 | 25 | 20 | 18.213  23.314 | NOTE 7 | UL1/DL3 |
| n39 | n41 | 5 | 15 | 6 | 5 | 10.6 | NOTE 8 | UL4/DL3 |
| n39 | n41 | 5 | 15 | 6 | 100 | 4.9 | NOTE 8 | UL4/DL3 |
| n40 | n28 | 10 | 15 | 25 | 5 | 40.8 | NOTE 7 | UL1/DL3 |
| n40 | n28 | 10 | 15 | 25 | 20 | 33.3 | NOTE 7 | UL1/DL3 |
| n41 | n186 | 10 | 15 | 25 | 5 | 29.3 | NOTE 7 | UL1/DL3 |
| n41 | n186 | 10 | 15 | 25 | 15 | 24.3 | NOTE 7 | UL1/DL3 |
| n41 | n39 | 10 | 15 | 8 | 5 | 6.1 | NOTE 9 | UL3/DL4 |
| n41 | n39 | 10 | 15 | 8 | 40 | 1.5 | NOTE 9 | UL3/DL4 |
| n41 | n77 | 10 | 15 | 6 | 10 | 11.6 | NOTE 8 | UL4/DL3 |
| n41 | n77 | 10 | 15 | 6 | 100 | 3.6 | NOTE 8 | UL4/DL3 |
| n41 | n78 | 10 | 15 | 6 | 10 | 12.1 | NOTE 8 | UL4/DL3 |
| n41 | n78 | 10 | 15 | 6 | 100 | 3.8 | NOTE 8 | UL4/DL3 |
| n77 | n2 | 10 | 15 | 25 | 5 | 9.2 | NOTE 4 | UL1/DL2 |
| n77 | n2 | 10 | 15 | 25 | 20 | 4.4 | NOTE 4 | UL1/DL2 |
| n77 | n3 | 10 | 15 | 25 | 5 | 8.1 | NOTE 4 | UL1/DL2 |
| n77 | n3 | 10 | 15 | 25 | 40 | 0.8 | NOTE 4 | UL1/DL2 |
| n77 | n5 | 10 | 15 | 25 | 5 | 8.1 | NOTE 5 | UL1/DL4 |
| n77 | n5 | 10 | 15 | 25 | 20 | 1.5 | NOTE 5 | UL1/DL4 |
| n77 | n7 | 10 | 15 | 12 | 5 | 17.7 | NOTE 3 | UL2/DL3 |
| n77 | n7 | 10 | 15 | 12 | 50 | 3.6 | NOTE 3 | UL2/DL3 |
| n77 | n8 | 10 | 15 | 25 | 5 | 8.1 | NOTE 5 | UL1/DL4 |
| n77 | n8 | 10 | 15 | 25 | 20 | 1.5 | NOTE 5 | UL1/DL4 |
| n77 | n12 | 10 | 15 | 25 | 5 | 34 | NOTE 1 | UL1/DL5 |
| n77 | n12 | 10 | 15 | 25 | 15 | 21 | NOTE 1 | UL1/DL5 |
| n77 | n13 | 10 | 15 | 25 | 5 | 34 | NOTE 1 | UL1/DL5 |
| n77 | n13 | 10 | 15 | 25 | 10 | 30.8 | NOTE 1 | UL1/DL5 |
| n77 | n14 | 10 | 15 | 25 | 5 | 34 | NOTE 1 | UL1/DL5 |
| n77 | n14 | 10 | 15 | 25 | 10 | 30.8 | NOTE 1 | UL1/DL5 |
| n77 | n25 | 10 | 15 | 25 | 5 | 7.9 | NOTE 4 | UL1/DL2 |
| n77 | n25 | 10 | 15 | 25 | 40 | 0.5 | NOTE 4 | UL1/DL2 |
| n77 | n28 | 10 | 15 | 25 | 5 | 34 | NOTE 1 | UL1/DL5 |
| n77 | n28 | 10 | 15 | 25 | 30 | 14.1 | NOTE 1 | UL1/DL5 |
| n772 | n29 | 10 | 15 | 25 | 5 | 34 | NOTE 1 | UL1/DL5 |
| n772 | n29 | 10 | 15 | 25 | 10 | 30.8 | NOTE 1 | UL1/DL5 |
| n77 | n30 | 10 | 15 | 12 | 5 | 13.2 | NOTE 3 | UL2/DL3 |
| n77 | n30 | 10 | 15 | 12 | 10 | 10.2 | NOTE 3 | UL2/DL3 |
| n77 | n40 | 10 | 15 | 12 | 5 | 17.5 | NOTE 3 | UL2/DL3 |
| n77 | n40 | 10 | 15 | 12 | 100 | 5.5 | NOTE 3 | UL2/DL3 |
| n77 | n41 | 10 | 15 | 12 | 10 | 14.5 | NOTE 3 | UL2/DL3 |
| n77 | n41 | 10 | 15 | 12 | 100 | 5.5 | NOTE 3 | UL2/DL3 |
| n772 | n70 | N/A | N/A | N/A | N/A | N/A | NOTE 4 | UL1/DL2 |
| n77 | n85 | 10 | 15 | 25 | 5 | 34 | NOTE 1 | UL1/DL5 |
| n77 | n85 | 10 | 15 | 25 | 15 | 21 | NOTE 1 | UL1/DL5 |
| n78 | n3 | 10 | 15 | 25 | 5 | 8.1 | NOTE 4 | UL1/DL2 |
| n78 | n3 | 10 | 15 | 25 | 40 | 0.8 | NOTE 4 | UL1/DL2 |
| n78 | n5 | 10 | 15 | 25 | 5 | 8.1 | NOTE 5 | UL1/DL4 |
| n78 | n5 | 10 | 15 | 25 | 20 | 1.5 | NOTE 5 | UL1/DL4 |
| n78 | n8 | 10 | 15 | 25 | 5 | 8.1 | NOTE 5 | UL1/DL4 |
| n78 | n8 | 10 | 15 | 25 | 20 | 1.5 | NOTE 5 | UL1/DL4 |
| n78 | n26 | 10 | 15 | 25 | 5 | 8.1 | NOTE 5 | UL1/DL4 |
| n78 | n28 | 10 | 15 | 25 | 5 | 34 | NOTE 1 | UL1/DL5 |
| n78 | n28 | 10 | 15 | 25 | 30 | 11.3 | NOTE 1 | UL1/DL5 |
| n78 | n40 | 10 | 15 | 12 | 10 | 14.5 | NOTE 3 | UL2/DL3 |
| n78 | n40 | 10 | 15 | 12 | 100 | 5.5 | NOTE 3 | UL2/DL3 |
| n79 | n8 | 10 | 15 | 25 | 5 | 28.0 | NOTE 1 | UL1/DL5 |
| NOTE 1: The requirements should be verified for DL NR-ARFCN of the victim (lower) band (superscript LB) such that  and with the UL carrier frequency and the channel bandwidth configured in the higher band, both in MHz.  NOTE 2: For a UE which supports this band combination only when the Band n77 frequency range restriction defined in NOTE 12 of Table 5.2-1 from TS 38.101-1 applies, the MSD test point(s) cannot be verified for the band combination and the test point(s) can be skipped.  NOTE 3: The requirements should be verified for DL NR-ARFCN of the Victim (lower) band (superscript LB) such that and with the UL carrier frequency and the channel bandwidth configured in the higher band, both in MHz.  NOTE 4: The requirements should be verified for UL NR-ARFCN of the aggressor (higher) band (superscript HB) such that  in MHz and with  the carrier frequency in the victim (lower) band and  the channel bandwidth configured in the higher band.  NOTE 5: The requirements should be verified for UL NR-ARFCN of the aggressor (higher) band (superscript HB) such that  in MHz and with  the carrier frequency in the victim (lower) band and  the channel bandwidth configured in the higher band.  NOTE 6: These requirements apply when there is at least one individual RE within the downlink transmission bandwidth of the victim (lower) band for which the 3rd harmonic is within the uplink transmission bandwidth or the uplink adjacent channel's transmission bandwidth of an aggressor (higher) band.  NOTE 7: The requirements should be verified for UL NR-ARFCN of the aggressor (higher) band (superscript HB) such that  in MHz and with  the carrier frequency in the victim (lower) band and  the channel bandwidth configured in the higher band.  NOTE 8: The requirements should be verified for UL NR-ARFCN of the aggressor (lower) band (superscript LB) such that in MHz and  with carrier frequency in the victim (higher) band in MHz and  the channel bandwidth configured in the lower band.  NOTE 9: The requirements should be verified for UL NR-ARFCN of the aggressor (lower) band (superscript LB) such that in MHz and  with carrier frequency in the victim (higher) band in MHz and  the channel bandwidth configured in the lower band.  NOTE 10: Void  NOTE 11: Void.  NOTE 12: The requirements should be verified using RBstart = floor((NRB-LCRB)/2), where floor(x) is the greatest integer less than or equal to x, and where the UL parameters NRB and LCRB are respectively, the transmission bandwidth configuration and the number of RB’s for the specified UL band channel bandwidth and the UL band subcarrier spacing.  NOTE 13: Applicable to UE’s supporting PC2 with 1Tx  NOTE 14: Applicable to UE’s supporting PC2 with 2Tx | | | | | | | | |

Table 7.3A.4-4a-2: Void

Table 7.3A.4-4b: Reference sensitivity exceptions and uplink/downlink configurations due to harmonic mixing from a PC1.5 aggressor NR UL band for NR DL CA FR1

| UL band | DL band | UL BW | SCS of UL band | UL RB Allocation | DL BW | MSD | UL/DL fc condition | UL/DL harmonic order |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| (MHz) | (kHz) | LCRB | (MHz) | (dB) |
| n40 | n28 | 10 | 15 | 25 | 5 | 43.8 | NOTE 7 | UL1/DL3 |
| n40 | n28 | 10 | 15 | 25 | 20 | 36.3 | NOTE 7 | UL1/DL3 |
| n41 | n39 | 10 | 15 | 8 | 5 | 10.5 | NOTE 6 | UL3/DL4 |
| n41 | n39 | 10 | 15 | 8 | 40 | 3.0 | NOTE 6 | UL3/DL4 |
| n41 | n77 | 10 | 15 | 6 | 10 | 14.5 | NOTE 8 | UL4/DL3 |
| n41 | n77 | 10 | 15 | 6 | 100 | 5.5 | NOTE 8 | UL4/DL3 |
| n41 | n78 | 10 | 15 | 6 | 10 | 14.9 | NOTE 8 | UL4/DL3 |
| n41 | n78 | 10 | 15 | 6 | 100 | 5.8 | NOTE 8 | UL4/DL3 |
| n77 | n2 | 10 | 15 | 25 | 5 | 11.8 | NOTE 4 | UL1/DL2 |
| n77 | n2 | 10 | 15 | 25 | 20 | 6.5 | NOTE 4 | UL1/DL2 |
| n77 | n3 | 10 | 15 | 25 | 5 | 10.7 | NOTE 4 | UL1/DL2 |
| n77 | n3 | 10 | 15 | 25 | 40 | 1.4 | NOTE 4 | UL1/DL2 |
| n77 | n5 | 10 | 15 | 25 | 5 | 10.7 | NOTE 5 | UL1/DL4 |
| n77 | n5 | 10 | 15 | 25 | 20 | 2.6 | NOTE 5 | UL1/DL4 |
| n77 | n7 | 10 | 15 | 12 | 10 | 17.5 | NOTE 3 | UL2/DL3 |
| n77 | n7 | 10 | 15 | 12 | 100 | 5.5 | NOTE 3 | UL2/DL3 |
| n77 | n12 | 10 | 15 | 25 | 5 | 37 | NOTE 1 | UL1/DL5 |
| n77 | n12 | 10 | 15 | 25 | 15 | 24 | NOTE 1 | UL1/DL5 |
| n77 | n13 | 10 | 15 | 25 | 5 | 37 | NOTE 1 | UL1/DL5 |
| n77 | n13 | 10 | 15 | 25 | 10 | 33.8 | NOTE 1 | UL1/DL5 |
| n77 | n14 | 10 | 15 | 25 | 5 | 37 | NOTE 1 | UL1/DL5 |
| n77 | n14 | 10 | 15 | 25 | 10 | 33.8 | NOTE 1 | UL1/DL5 |
| n77 | n25 | 10 | 15 | 25 | 5 | 10.6 | NOTE 4 | UL1/DL2 |
| n77 | n25 | 10 | 15 | 25 | 40 | 0.8 | NOTE 4 | UL1/DL2 |
| n77 | n28 | 10 | 15 | 25 | 5 | 37 | NOTE 1 | UL1/DL5 |
| n77 | n28 | 10 | 15 | 25 | 30 | 17 | NOTE 1 | UL1/DL5 |
| n772 | n29 | 10 | 15 | 25 | 5 | 37 | NOTE 1 | UL1/DL5 |
| n772 | n29 | 10 | 15 | 25 | 10 | 33.8 | NOTE 1 | UL1/DL5 |
| n77 | n30 | 10 | 15 | 12 | 5 | 16.1 | NOTE 3 | UL2/DL3 |
| n77 | n30 | 10 | 15 | 12 | 10 | 13 | NOTE 3 | UL2/DL3 |
| n77 | n40 | 10 | 15 | 12 | 10 | 17.5 | NOTE 3 | UL2/DL3 |
| n77 | n40 | 10 | 15 | 12 | 100 | 7.9 | NOTE 3 | UL2/DL3 |
| n77 | n41 | 10 | 15 | 12 | 5 | 20.5 | NOTE 3 | UL2/DL3 |
| n77 | n41 | 10 | 15 | 12 | 100 | 7.9 | NOTE 3 | UL2/DL3 |
| n772 | n70 | N/A | N/A | N/A | N/A | N/A | NOTE 4 | UL1/DL2 |
| n77 | n85 | 10 | 15 | 25 | 5 | 37 | NOTE 1 | UL1/DL5 |
| n77 | n85 | 10 | 15 | 25 | 15 | 24 | NOTE 1 | UL1/DL5 |
| n78 | n3 | 10 | 15 | 25 | 5 | 10.7 | NOTE 4 | UL1/DL2 |
| n78 | n3 | 10 | 15 | 25 | 40 | 1.4 | NOTE 4 | UL1/DL2 |
| n78 | n8 | 10 | 15 | 25 | 5 | 10.6 | NOTE 5 | UL1/DL4 |
| n78 | n8 | 10 | 15 | 25 | 20 | 2.6 | NOTE 5 | UL1/DL4 |
| n78 | n26 | 10 | 15 | 25 | 5 | 10.1 | NOTE 5 | UL1/DL4 |
| n78 | n28 | 10 | 15 | 25 | 5 | 37 | NOTE 1 | UL1/DL5 |
| n78 | n28 | 10 | 15 | 25 | 30 | 17 | NOTE 1 | UL1/DL5 |
| n78 | n40 | 10 | 15 | 12 | 10 | 17.5 | NOTE 3 | UL2/DL3 |
| n78 | n40 | 10 | 15 | 12 | 100 | 7.9 | NOTE 3 | UL2/DL3 |
| n79 | n8 | 10 | 15 | 25 | 5 | 31.0 | NOTE 1 | UL1/DL5 |
| NOTE 1: The requirements should be verified for DL NR-ARFCN of the victim (lower) band (superscript LB) such that  and with the UL carrier frequency and the channel bandwidth configured in the higher band, both in MHz.  NOTE 2: For a UE which supports this band combination only when the Band n77 frequency range restriction defined in NOTE 12 of Table 5.2-1 from TS 38.101-1 applies, the MSD test point(s) cannot be verified for the band combination and the test point(s) can be skipped.  NOTE 3: The requirements should be verified for DL NR-ARFCN of the Victim (lower) band (superscript LB) such that and with the UL carrier frequency and the channel bandwidth configured in the higher band, both in MHz.  NOTE 4: The requirements should be verified for UL NR-ARFCN of the aggressor (higher) band (superscript HB) such that  in MHz and with  the carrier frequency in the victim (lower) band and  the channel bandwidth configured in the higher band.  NOTE 5: The requirements should be verified for UL NR-ARFCN of the aggressor (higher) band (superscript HB) such that  in MHz and with  the carrier frequency in the victim (lower) band and  the channel bandwidth configured in the higher band.  NOTE 6: The requirements should be verified for UL NR-ARFCN of the aggressor (lower) band (superscript LB) such that in MHz and  with carrier frequency in the victim (higher) band in MHz and  the channel bandwidth configured in the lower band.  NOTE 7: The requirements should be verified for UL NR-ARFCN of the aggressor (higher) band (superscript HB) such that  in MHz and with  the carrier frequency in the victim (lower) band and  the channel bandwidth configured in the higher band.  NOTE 8: The requirements should be verified for DL NR-ARFCN of the victim (higher) band (superscript HB) such that and with the UL carrier frequency and the channel bandwidth configured in the lower band, both in MHz.  NOTE 9: The requirements should be verified using RBstart = floor((NRB-LCRB)/2), where floor(x) is the greatest integer less than or equal to x, and where the UL parameters NRB and LCRB are respectively, the transmission bandwidth configuration and the number of RB’s for the specified UL band channel bandwidth and the UL band subcarrier spacing. | | | | | | | | |

---Text omitted---

Table 7.3A.6-1: Reference sensitivity exceptions (MSD) and uplink/downlink configurations due to cross band isolation from a PC3 aggressor NR UL band for NR CA FR1

| UL band | DL band | UL Fc | UL BW | SCS of UL band | UL RB Allocation | DL Fc | DL BW | MSD | Cross-band  Interference  source |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| (MHz) | (MHz) | (kHz) | LCRB | (MHz) | (MHz) | (dB) |
| n1 | n3 | 1922.5 | 5 | 15 | 25 (RBstart=0) | 1877.5 | 5 | 3 | >ACLR2 |
| n1 | n3 | 1945 | 50 | 15 | 128 (RBstart=0) | 1877.5 | 5 | 19.7 | ACLR1 |
| n1 | n38 | 1955 | 50 | 15 | 128 (RBstart=142) | 2572.5 | 5 | 2.9 | >ACLR2 |
| n1 | n38 | 1955 | 50 | 15 | 128 (RBstart=142) | 2590 | 40 | 2.9 | >ACLR2 |
| n1 | n40 | 1955 | 50 | 15 | 128 (RBstart=142) | 2302.5 | 5 | 6.6 | >ACLR2 |
| n1 | n40 | 1970 | 20 | 15 | 100 (RBstart=6) | 2302.5 | 5 | 6.6 | >ACLR2 |
| n1 | n41 | 1955 | 50 | 15 | 128 (RBstart=142) | 2501 | 10 | 6.1 | >ACLR2 |
| n1 | n41 | 1970 | 20 | 15 | 100 (RBstart=6) | 2546 | 100 | 0.7 | >ACLR2 |
| n2 | n66 | 1910 | 40 | 15 | 40 (RBstart=176) | 2112.5 | 5 | 0 | >ACLR2 |
| n3 | n39 | 1770 | 30 | 15 | 50 (RBstart=110) | 1882.5 | 5 | 2.1 | >ACLR2 |
| n3 | n41 | 1760 | 50 | 15 | 50 (RBstart=220) | 2501 | 10 | 0.7 | >ACLR2 |
| n3 | n41 | 1760 | 50 | 15 | 50 (RBstart=220) | 2546 | 100 | 0.7 | >ACLR2 |
| n3 | n74 | 1712.5 | 5 | 15 | 25 (RBstart=0) | 1515.5 | 5 | 2.6 | >ACLR2 |
| n3 | n75 | 1712.5 | 5 | 15 | 25 (RBstart=0) | 1515.5 | 5 | 4.3 | >ACLR2 |
| n5 | n8 | 844 | 10 | 15 | 25 (RBstart=27) | 951.5 | 5 | 2.8 | >ACLR2 |
| n5 | n13 | 834 | 20 | 15 | 20 (RBstart=0) | 753.5 | 5 | 2.4 | >ACLR2 |
| n5 | n28 | 834 | 20 | 15 | 20 (RBstart=0) | 800.5 | 5 | 17.5 | ACLR2 |
| n5 | n71 | 834 | 20 | 15 | 20 (RBstart=0) | 649.5 | 5 | 3.9 | >ACLR2 |
| n5 | n105 | 834 | 20 | 15 | 20 (RBstart=0) | 649.5 | 5 | 3.3 | >ACLR2 |
| n7 | n3 | 2525 | 50 | 15 | 45 (RBstart=0) | 1877.5 | 5 | 0.6 | >ACLR2 |
| n7 | n40 | 2525 | 50 | 15 | 45 (RBstart=0) | 2397.5 | 5 | 3.7 | >ACLR2 |
| n12 | n71 | 706.5 | 15 | 15 | 20 (RBstart=0) | 649.5 | 5 | 3.8 | >ACLR2 |
| n13 | n5 | 782 | 10 | 15 | 20 (RBstart=32) | 871.5 | 5 | 2.1 | >ACLR2 |
| n18 | n285 | 822.5 | 15 | 15 | 25 (RBstart=0) | 800.5 | 5 | 31.3 | ACLR1 |
| n18 | n28 | 822.5 | 15 | 15 | 25 (RBstart=0) | 785.5 | 5 | 12.7 | ACLR2 |
| n20 | n71 | 842 | 20 | 15 | 20 (RBstart=0) | 649.5 | 5 | 2.6 | >ACLR2 |
| n26 | n28 | 824 | 20 | 15 | 25 (RBstart=0) | 800.5 | 5 | 36.9 | ACLR1 |
| n26 | n29 | 824 | 20 | 15 | 25 (RBstart=0) | 719.5 | 5 | 3.9 | >ACLR2 |
| n26 | n71 | 824 | 20 | 15 | 20 (RBstart=0) | 649.5 | 5 | 3.9 | >ACLR2 |
| n28 | n71 | 718 | 30 | 15 | 25 (RBstart=0) | 649.5 | 5 | 13.3 | ACLR2 |
| n28 | n105 | 718 | 30 | 15 | 25 (RBstart=0) | 649.5 | 5 | 12.1 | ACLR2 |
| n30 | n66 | 2310 | 10 | 15 | 20 (RBstart=0) | 2197.5 | 5 | 8.3 | >ACLR2 |
| n34 | n3 | 2017.5 | 15 | 15 | 75 (RBstart=0) | 1877.5 | 5 | 3 | >ACLR2 |
| n34 | n40 | 2017.5 | 15 | 15 | 75 (RBstart=4) | 2302.5 | 5 | 6 | >ACLR2 |
| n34 | n41 | 2017.5 | 15 | 15 | 75 (RBstart=4) | 2501 | 10 | 3.2 | >ACLR2 |
| n38 | n1 | 2590 | 40 | 15 | 216 (RBstart=0) | 2167.5 | 5 | 1.9 | >ACLR2 |
| n38 | n2 | 2590 | 40 | 15 | 216 (RBstart=0) | 1987.5 | 5 | 0.6 | >ACLR2 |
| n38 | n25 | 2590 | 40 | 15 | 216 (RBstart=0) | 1992.5 | 5 | 0.6 | >ACLR2 |
| n38 | n66 | 2590 | 40 | 15 | 216 (RBstart=0) | 2197.5 | 5 | 1.9 | >ACLR2 |
| n38 | n78 | 2600 | 40 | 15 | 216 (RBstart=0) | 3305 | 10 | 8.3 | >ACLR2 |
| n39 | n41 | 1900 | 40 | 15 | 216 (RBstart=0) | 2501 | 10 | 3.3 | >ACLR2 |
| n40 | n1 | 2340 | 100 | 30 | 270 (RBstart=0) | 2167.5 | 5 | 21.9 | ACLR2 |
| n40 | n7 | 2350 | 100 | 30 | 270 (RBstart=3) | 2622.5 | 5 | 22.3 | >ACLR2 |
| n40 | n7 | 2350 | 100 | 30 | 270 (RBstart=3) | 2645 | 50 | 15.6 | >ACLR2 |
| n40 | n34 | 2350 | 100 | 30 | 270 (RBstart=0) | 2022.5 | 5 | 17.9 | >ACLR2 |
| n40 | n41 | 2345 | 50 | 30 | 128 (RBstart=5) | 2565 | 100 | 11.28 | >ACLR2 |
| n40 | n41 | 2350 | 100 | 30 | 270 (RBstart=3) | 2501 | 10 | 28.1 | ACLR2 |
| n41 | n1 | 2546 | 100 | 30 | 270 (RBstart=0) | 2167.5 | 5 | 18.1 | >ACLR2 |
| n41 | n2 | 2546 | 100 | 30 | 270 (RBstart=0) | 1987.5 | 5 | 0.6 | >ACLR2 |
| n41 | n3 | 2546 | 100 | 30 | 270 (RBstart=0) | 1877.5 | 5 | 0.6 | >ACLR2 |
| n41 | n25 | 2546 | 100 | 30 | 270 (RBstart=0) | 1992.5 | 5 | 0.6 | >ACLR2 |
| n41 | n34 | 2456 | 100 | 30 | 270 (RBstart=0) | 2022.5 | 5 | 7.2 | >ACLR2 |
| n41 | n39 | 2546 | 100 | 30 | 270 (RBstart=3) | 1917.5 | 5 | 1.6 | >ACLR2 |
| n41 | n40 | 2546 | 100 | 30 | 270 (RBstart=0) | 2397.5 | 5 | 31.4 | ACLR2 |
| n41 | n40 | 2565 | 100 | 30 | 270 (RBstart=0) | 2345 | 50 | 27.18 | ACLR2 |
| n41 | n48 | 2680 | 100 | 30 | 270 (RBstart=3) | 3552.5 | 5 | 8.3 | >ACLR2 |
| n411 | n66 | 2546 | 100 | 30 | 270 (RBstart=0) | 2197.5 | 5 | 10.5 | >ACLR2 |
| n41 | n70 | 2546 | 100 | 30 | 270 (RBstart=0) | 2017.5 | 5 | 0.6 | >ACLR2 |
| n41 | n77 | 2640 | 100 | 30 | 270 (RBstart=3) | 3305 | 10 | 8.3 | >ACLR2 |
| n41 | n78 | 2640 | 100 | 30 | 270 (RBstart=3) | 3305 | 10 | 8.3 | >ACLR2 |
| n46 | n48 | 5190 | 80 | 30 | 216 (RBstart=0) | 3697.5 | 5 | 13.3 | >ACLR2 |
| n46 | n48 | 5190 | 80 | 30 | 216 (RBstart=0) | 3650 | 100 | 6.2 | >ACLR2 |
| n46 | n77 | 5190 | 80 | 30 | 216 (RBstart=0) | 3975 | 10 | 10.5 | >ACLR2 |
| n46 | n77 | 5190 | 80 | 30 | 216 (RBstart=0) | 3930 | 100 | 5.5 | >ACLR2 |
| n46 | n78 | 5190 | 80 | 30 | 216 (RBstart=0) | 3795 | 10 | 10.4 | >ACLR2 |
| n46 | n78 | 5190 | 80 | 30 | 216 (RBstart=0) | 3750 | 100 | 5.1 | >ACLR2 |
| n48 | n411 | 3570 | 40 | 15 | 216 (RBstart=0) | 2685 | 10 | 4.5 | >ACLR2 |
| n48 | n411 | 3570 | 40 | 15 | 216 (RBstart=0) | 2640 | 100 | 4.5 | >ACLR2 |
| n48 | n46 | 3680 | 40 | 15 | 216 (RBstart=0) | 5160 | 20 | 15.7 | >ACLR2 |
| n48 | n96 | 3680 | 40 | 15 | 216 (RBstart=0) | 5935 | 20 | 15.7 | >ACLR2 |
| n66 | n2 | 1760 | 40 | 15 | 216 (RBstart=0) | 1932.5 | 5 | 1.2 | >ACLR2 |
| n66 | n25 | 1757.5 | 45 | 15 | 240 (RBstart=2) | 1932.5 | 5 | 1.4 | >ACLR2 |
| n66 | n2 | 1757.5 | 45 | 15 | 240 (RBstart=2) | 1932.5 | 5 | 1.2 | >ACLR2 |
| n66 | n41 | 1760 | 40 | 15 | 216 (RBstart=0) | 2501 | 10 | 0.4 | >ACLR2 |
| n71 | n5 | 688 | 20 | 15 | 20 (RBstart=86) | 871.5 | 5 | 2.0 | >ACLR2 |
| n71 | n12 | 688 | 20 | 15 | 20 (RBstart=86) | 731.5 | 5 | 8.2 | ACLR2 |
| n71 | n20 | 688 | 20 | 15 | 20 (RBstart=86) | 796 | 5 | 3.0 | >ACLR2 |
| n71 | n26 | 688 | 20 | 15 | 20 (RBstart=86) | 861.5 | 5 | 2.0 | >ACLR2 |
| n71 | n28 | 688 | 20 | 15 | 20 (RBstart=86) | 760.5 | 5 | 6.5 | >ACLR2 |
| n71 | n29 | 688 | 20 | 15 | 20 (RBstart=86) | 719.5 | 5 | 17.59 | ACLR2 |
| n71 | n85 | 688 | 20 | 15 | 20 (RBstart=86) | 730.5 | 5 | 8.26 | ACLR2 |
| n71 | n85 | 680.5 | 35 | 15 | 20 (Rbstart=168) | 730.5 | 5 | 237 | ACLR1 |
| n77 | n7 | 3350 | 100 | 30 | 270 (RBstart=0) | 2687.5 | 5 | 4.5 | >ACLR2 |
| n77 | n401 | 3350 | 100 | 30 | 270 (RBstart=0) | 2395 | 5 | 7.5 | >ACLR2 |
| n77 | n401 | 3350 | 100 | 30 | 270 (RBstart=0) | 2350 | 100 | 4.5 | >ACLR2 |
| n77 | n411 | 3350 | 100 | 30 | 270 (RBstart=0) | 2685 | 10 | 4.5 | >ACLR2 |
| n77 | n411 | 3350 | 100 | 30 | 270 (RBstart=0) | 2640 | 100 | 4.5 | >ACLR2 |
| n78 | n71 | 3350 | 100 | 30 | 270 (RBstart=0) | 2687.5 | 5 | 4.5 | >ACLR2 |
| n78 | n38 | 3350 | 100 | 30 | 270 (RBstart=0) | 2617.5 | 5 | 3.3 | >ACLR2 |
| n78 | n38 | 3350 | 100 | 30 | 270 (RBstart=0) | 2600 | 40 | 3.3 | >ACLR2 |
| n78 | n401 | 3350 | 100 | 30 | 270 (RBstart=0) | 2397.5 | 5 | 4.5 | >ACLR2 |
| n78 | n401 | 3350 | 100 | 30 | 270 (RBstart=0) | 2350 | 100 | 4.5 | >ACLR2 |
| n78 | n411 | 3350 | 100 | 30 | 270 (RBstart=0) | 2685 | 10 | 4.5 | >ACLR2 |
| n78 | n411 | 3350 | 100 | 30 | 270 (RBstart=0) | 2640 | 100 | 4.5 | >ACLR2 |
| n78 | n46 | 3750 | 100 | 30 | 270 (RBstart=3) | 5160 | 20 | 13.5 | >ACLR2 |
| n783 | n79 | 3750 | 100 | 30 | 270 (RBstart=3) | 4420 | 40 | 2 | >ACLR2 |
| n783 | n79 | 3750 | 100 | 30 | 270 (RBstart=3) | 4405 | 10 | 2 | >ACLR2 |
| n78 | n104 | 3750 | 100 | 30 | 270 (RBstart=0) | 6435 | 20 | 14.4 | >ACLR2 |
| n79 | n783 | 4450 | 100 | 30 | 270 (RBstart=0) | 3795 | 10 | 2.6 | >ACLR2 |
| n79 | n783 | 4450 | 100 | 30 | 270 (RBstart=0) | 3750 | 100 | 2.6 | >ACLR2 |
| n85 | n71 | 705.5 | 15 | 15 | 20 (Rbstart=0) | 649.5 | 5 | 3.8 | >ACLR2 |
| n96 | n48 | 5965 | 80 | 30 | 216 (RBstart=0) | 3697.5 | 5 | 13.3 | >ACLR2 |
| n96 | n48 | 5965 | 80 | 30 | 216 (RBstart=0) | 3650 | 100 | 6.2 | >ACLR2 |
| n104 | n78 | 6475 | 100 | 30 | 270 (RBstart=0) | 3795 | 10 | 15.8 | >ACLR2 |
| n105 | n5 | 693 | 20 | 15 | 20 (RBstart=86) | 871.5 | 5 | 1.7 | >ACLR2 |
| n105 | n28 | 693 | 20 | 15 | 20 (RBstart=86) | 760.5 | 5 | 6.9 | >ACLR2 |
| NOTE 1: Applicable only when harmonic mixing MSD for this combination is not applied.  NOTE 2: Void  NOTE 3: The requirements only apply for UEs supporting inter-band carrier aggregation with simultaneous Rx/Tx capability. Simultaneous Rx/Tx capability does not apply for UEs supporting band n78 with a n77 implementation.  NOTE 4: Void  NOTE 5: The MSD exceptions are applicable to the case that interference of UL band 3rd order IMD product falls into the affected DL channels.  NOTE 6: Applicable to UE not supporting n71 optional maximum symmetrical UL/DL channel bandwidth  NOTE 7: Applicable to UE supporting n71 optional maximum symmetrical UL/DL channel bandwidth  NOTE 8: Applicable when n41 spectrum is restricted to 2515-2675MHz  NOTE 9: Not applicable to UEs indicating support of low NR band aggregation via switching *supportedLowBandSwitching-r19* for this band combination | | | | | | | | | |

Table 7.3A.6-1a-1: Reference sensitivity exceptions (MSD) and uplink/downlink configurations due to cross band isolation from a PC2 aggressor NR UL band for NR CA FR1

| UL band | DL band | UL Fc | UL BW | SCS of UL band | UL RB Allocation | DL Fc | DL BW | MSD | Cross-band  Interference  source |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| (MHz) | (MHz) | (kHz) | LCRB | (MHz) | (MHz) | (dB) |
| n2 | n66 | 1900 | 20 | 15 | 50 (RBstart=56) | 2112.5 | 5 | 0.76  0.97 | >ACLR2 |
| n3 | n1 | 1760 | 50 | 15 | 50 (RBstart=220) | 2112.5 | 5 | 0.86  1.17 | >ACLR2 |
| n3 | n7 | 1760 | 50 | 15 | 50 (RBstart=220) | 2622.5 | 5 | 0.56  0.77 | >ACLR2 |
| n7 | n1 | 2525 | 50 | 15 | 45 (RBstart=0) | 2167.5 | 5 | 0.86  1.17 | >ACLR2 |
| n7 | n3 | 2525 | 50 | 15 | 45 (RBstart=0) | 1877.5 | 5 | 1.16  1.57 | >ACLR2 |
| n25 | n41 | 1760 | 40 | 15 | 40 (RBstart=176) | 2501 | 10 | 0.86  17 | >ACLR2 |
| n25 | n66 | 1895 | 40 | 15 | 40 (RBstart=176) | 2112.5 | 5 | 0.76  0.97 | >ACLR2 |
| n39 | n41 | 1900 | 40 | 15 | 216 (RBstart=0) | 2501 | 10 | 4.7 | >ACLR2 |
| n40 | n3 | 2350 | 100 | 30 | 270 (RBstart=0) | 1877.5 | 5 | 0.6 | >ACLR2 |
| n40 | n41 | 2345 | 50 | 30 | 128 (RBstart=5) | 2565 | 100 | 13.9 | >ACLR2 |
| n40 | n41 | 2350 | 100 | 30 | 270 (RBstart=3) | 2501 | 10 | 31.1 | ACLR2 |
| n41 | n1 | 2546 | 100 | 30 | 270 (RBstart=0) | 2167.5 | 5 | 20.8 | >ACLR2 |
| n41 | n3 | 2546 | 100 | 30 | 270 (RBstart=0) | 1877.5 | 5 | 2.3 | >ACLR2 |
| n41 | n25 | 2546 | 100 | 30 | 270 (RBstart=0) | 1992.5 | 5 | 1.6 | >ACLR2 |
| n41 | n39 | 2546 | 100 | 30 | 270 (RBstart=3) | 1917.5 | 5 | 2.7 | >ACLR2 |
| n41 | n40 | 2546 | 100 | 30 | 270 (RBstart=0) | 2397.5 | 5 | 34.4 | ACLR2 |
| n41 | n40 | 2565 | 100 | 30 | 270 (RBstart=0) | 2345 | 50 | 30.1 | ACLR2 |
| n41 | n66 | 2546 | 100 | 30 | 270 (RBstart=0) | 2197.5 | 5 | 13.1 | >ACLR2 |
| n41 | n77 | 2640 | 100 | 30 | 270 (RBstart=3) | 3305 | 10 | 10.5 | >ACLR2 |
| n41 | n79 | 2640 | 100 | 30 | 270 (RBstart=3) | 4405 | 10 | 3.1 | >ACLR2 |
| n66 | n2 | 1760 | 40 | 15 | 216 (RBstart=0) | 1932.5 | 5 | 1.96  3.37 | >ACLR2 |
| n66 | n25 | 1757.5 | 45 | 15 | 240 (RBstart=2) | 1932.5 | 5 | 2.26  3.87 | >ACLR2 |
| n66 | n41 | 1760 | 40 | 15 | 216 (RBstart=0) | 2501 | 10 | 0.86  17 | >ACLR2 |
| n66 | n70 | 1760 | 40 | 15 | 216 (RBstart=0) | 1997.5 | 5 | 1.96  3.37 | >ACLR2 |
| n70 | n66 | 1702.5 | 15 | 15 | 75 (RBstart=4) | 2112.5 | 5 | 0.46  0.57 | >ACLR2 |
| n71 | n29 | 688 | 20 | 15 | 20 (RBstart=86) | 719.5 | 5 | 20.46,8  23.37,8 | ACLR2 |
| n71 | n85 | 688 | 20 | 15 | 20 (RBstart=86) | 730.5 | 5 | 10.94,6  15.94,7 | ACLR2 |
| n71 | n85 | 680.5 | 35 | 15 | 20 (Rbstart=168) | 730.5 | 5 | 265,6  32.35,7 | ACLR1 |
| n77 | n2 | 3350 | 100 | 30 | 270 (RBstart=0) | 1987.5 | 5 | 1.0 | >ACLR2 |
| n77 | n7 | 3350 | 100 | 30 | 270 (RBstart=0) | 2687.5 | 5 | 6.5 | >ACLR2 |
| n77 | n25 | 3350 | 100 | 30 | 270 (RBstart=0) | 1992.5 | 5 | 1.0 | >ACLR2 |
| n77 | n30 | 3350 | 100 | 30 | 270 (RBstart=0) | 2357.5 | 5 | 1.0 | >ACLR2 |
| n77 | n401 | 3350 | 100 | 30 | 270 (RBstart=0) | 2395 | 5 | 9.5 | >ACLR2 |
| n77 | n401 | 3350 | 100 | 30 | 270 (RBstart=0) | 2350 | 100 | 6.5 | >ACLR2 |
| n77 | n411 | 3350 | 100 | 30 | 270 (RBstart=0) | 2685 | 10 | 6.5 | >ACLR2 |
| n77 | n411 | 3350 | 100 | 30 | 270 (RBstart=0) | 2640 | 100 | 6.5 | >ACLR2 |
| n77 | n66 | 3350 | 100 | 30 | 270 (RBstart=0) | 2197.5 | 5 | 1.0 | >ACLR2 |
| n78 | n7 | 3350 | 100 | 30 | 270 (RBstart=0) | 2687.5 | 5 | 6.5 | >ACLR2 |
| n78 | n401 | 3350 | 100 | 30 | 270 (RBstart=0) | 2395 | 10 | 6.5 | >ACLR2 |
| n78 | n401 | 3350 | 100 | 30 | 270 (RBstart=0) | 2350 | 100 | 1.2 | >ACLR2 |
| n783 | n79 | 3750 | 100 | 30 | 270 (RBstart=3) | 4405 | 10 | 5 | >ACLR2 |
| n783 | n79 | 3750 | 100 | 30 | 270 (RBstart=3) | 4450 | 100 | 5 | >ACLR2 |
| n79 | n41 | 4450 | 100 | 30 | 270 (RBstart=0) | 2685 | 10 | 3.5 | >ACLR2 |
| n79 | n783 | 4450 | 100 | 30 | 270 (RBstart=0) | 3795 | 10 | 5.6 | >ACLR2 |
| n79 | n783 | 4450 | 100 | 30 | 270 (RBstart=0) | 3750 | 100 | 5.6 | >ACLR2 |
| NOTE 1: Applicable only when harmonic mixing MSD for this combination is not applied.  NOTE 2: Void.  NOTE 3: The requirements only apply for UEs supporting inter-band carrier aggregation with simultaneous Rx/Tx capability. Simultaneous Rx/Tx capability does not apply for UEs supporting band n78 with a n77 implementation.  NOTE 4: Applicable to UE not supporting n71 optional maximum symmetrical UL/DL channel bandwidth  NOTE 5: Applicable to UE supporting n71 optional maximum symmetrical UL/DL channel bandwidth.  NOTE 6: Applicable to UE’s supporting PC2 with 1Tx  NOTE 7: Applicable to UE’s supporting PC2 with 2Tx  NOTE 8: Not applicable to UEs indicating support of low NR band aggregation via switching *supportedLowBandSwitching-r19* for this band combination | | | | | | | | | |

Table 7.3A.6-1a-2: Void

Table 7.3A.6-1b: Reference sensitivity exceptions (MSD) and uplink/downlink configurations due to cross band isolation from a PC1.5 aggressor NR single UL band for DL NR CA FR1

| UL band | DL band | UL Fc | UL BW | SCS of UL band | UL RB Allocation | DL Fc | DL BW | MSD | Cross-band  Interference  source |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| (MHz) | (MHz) | (kHz) | LCRB | (MHz) | (MHz) | (dB) |
| n40 | n3 | 2350 | 100 | 30 | 270 (RBstart=0) | 1877.5 | 5 | 1.2 | >ACLR2 |
| n40 | n41 | 2350 | 100 | 30 | 270 (RBstart=3) | 2501 | 10 | 37.9 | ACLR2 |
| n41 | n1 | 2546 | 100 | 30 | 270 (RBstart=0) | 2167.5 | 5 | 23.5 | >ACLR2 |
| n41 | n3 | 2546 | 100 | 30 | 270 (RBstart=0) | 1877.5 | 5 | 3.9 | >ACLR2 |
| n41 | n25 | 2546 | 100 | 30 | 270 (RBstart=0) | 1992.5 | 5 | 2.8 | >ACLR2 |
| n41 | n40 | 2546 | 100 | 30 | 270 (RBstart=0) | 2397.5 | 5 | 41.2 | ACLR2 |
| n41 | n66 | 2521 | 50 | 30 | 128 (RBstart=0) | 2197.5 | 5 | 7.7 | >ACLR2 |
| n41 | n77 | 2640 | 100 | 30 | 270 (RBstart=3) | 3305 | 10 | 13.3 | >ACLR2 |
| n41 | n39 | 2546 | 100 | 30 | 270 (RBstart=3) | 1917.5 | 5 | 6.7 | >ACLR2 |
| n77 | n2 | 3350 | 100 | 30 | 270 (RBstart=0) | 1987.5 | 5 | 1.8 | >ACLR2 |
| n77 | n7 | 3350 | 100 | 30 | 270 (RBstart=0) | 2687.5 | 5 | 9.0 | >ACLR2 |
| n77 | n25 | 3350 | 100 | 30 | 270 (RBstart=0) | 1992.5 | 5 | 1.8 | >ACLR2 |
| n77 | n30 | 3350 | 100 | 30 | 270 (RBstart=0) | 2357.5 | 5 | 1.8 | >ACLR2 |
| n77 | n401 | 3350 | 100 | 30 | 270 (RBstart=0) | 2395 | 5 | 12.0 | >ACLR2 |
| n77 | n401 | 3350 | 100 | 30 | 270 (RBstart=0) | 2350 | 100 | 2.2 | >ACLR2 |
| n77 | n411 | 3350 | 100 | 30 | 270 (RBstart=0) | 2685 | 10 | 9.0 | >ACLR2 |
| n77 | n411 | 3350 | 100 | 30 | 270 (RBstart=0) | 2640 | 100 | 9.0 | >ACLR2 |
| n77 | n66 | 3350 | 100 | 30 | 270 (RBstart=0) | 2197.5 | 5 | 1.8 | >ACLR2 |
| n78 | n1 | 3350 | 100 | 30 | 270 (RBstart=0) | 1987.5 | 5 | 2.7 | >ACLR2 |
| n78 | n7 | 3350 | 100 | 30 | 270 (RBstart=0) | 2687.5 | 5 | 9.0 | >ACLR2 |
| n78 | n401 | 3350 | 100 | 30 | 270 (RBstart=0) | 2395 | 10 | 9.0 | >ACLR2 |
| n78 | n401 | 3350 | 100 | 30 | 270 (RBstart=0) | 2350 | 100 | 2.2 | >ACLR2 |
| n783 | n79 | 3750 | 100 | 30 | 270 (RBstart=3) | 4405 | 10 | 8 | >ACLR2 |
| n783 | n79 | 3750 | 100 | 30 | 270 (RBstart=3) | 4420 | 40 | 8 | >ACLR2 |
| n783 | n79 | 3750 | 100 | 30 | 270 (RBstart=3) | 4450 | 100 | 8 | >ACLR2 |
| n79 | n783 | 4450 | 100 | 30 | 270 (RBstart=0) | 3795 | 10 | 8.6 | >ACLR2 |
| n79 | n783 | 4450 | 100 | 30 | 270 (RBstart=0) | 3750 | 100 | 8.6 | >ACLR2 |
| NOTE 1: Applicable only when harmonic mixing MSD for this combination is not applied.  NOTE 2: Void.  NOTE 3: The requirements only apply for UEs supporting inter-band carrier aggregation with simultaneous Rx/Tx capability. Simultaneous Rx/Tx capability does not apply for UEs supporting band n78 with a n77 implementation. | | | | | | | | | |

---End of changes---