**3GPP TSG-RAN WG4 Meeting #98-e R4-2101904**

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

**Source:** Ericsson, T-Mobile US

**Title:** TP for TR 38.717-04-01: CA\_n41-n66-n71-n77

**Agenda item:** 9.10.2

**Document for:** Approval

# 1. Introduction

This contribution is a text proposal for TR 38.717-04-01 to include CA\_n41A-n66A-n71A-n77A, CA\_n41C-n66A-n71A-n77A, CA\_n41(2A)-n66A-n71A-n77A as defined in WID [1].

# 2. Text Proposal

# ---Start of changes---

## 5.x CA\_n41-n66-n71-n77

5.x.1 Channel bandwidths per operating bands for CA

Table 5.x.2-1: Supported channel bandwidths per CA configuration for 4DL inter-band CA

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| NR CA configuration | Uplink CA configuration | NR Band | Channel bandwidth (MHz) (NOTE 3) | | | | | | | | | | | | | Bandwidth combination set |
|  |  |  | 5 | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |  |
| CA\_n41A-n66A-n71A-n77A | - | n41 |  | 10 | 15 | 20 |  | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 0 |
| n66 | 5 | 10 | 15 | 20 | 25 | 30 | 40 |  |  |  |  |  |  |
| n71 | 5 | 10 | 15 | 20 |  |  |  |  |  |  |  |  |  |
| n77 |  | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |
| CA\_n41C-n66A-n71A-n77A | - | n41 | See CA\_n41C Bandwidth Combination Set 1 in Table 5.5A.1-1 | | | | | | | | | | | | | 0 |
| n66 | 5 | 10 | 15 | 20 | 25 | 30 | 40 |  |  |  |  |  |  |
| n71 | 5 | 10 | 15 | 20 |  |  |  |  |  |  |  |  |  |
| n77 |  | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |
| CA\_n41(2A)-n66A-n71A-n77A | - | n41 | See CA\_n41(2A) Bandwidth Combination Set 1 in Table 5.5A.2-1 | | | | | | | | | | | | | 0 |
| n66 | 5 | 10 | 15 | 20 | 25 | 30 | 40 |  |  |  |  |  |  |
| n71 | 5 | 10 | 15 | 20 |  |  |  |  |  |  |  |  |  |
| n77 |  | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |

5.x.2 ∆TIB,c and ∆RIB,c values

For CA\_n41-n66-n71-n77 the ΔTIB,c and ΔRIB,c  values are shown in table 5.x.2-1 and table 5.x.2-2, respectively.

The values for n41, n66 and n71 are reused from CA\_n41-n66-n71, and the values for n77 are reused from CA\_n3-n28-n41-n77.

Table 5.x.2-1: ΔTIB,c for 4DL aggregation

| **Inter-band CA Configuration** | **NR Band** | **ΔTIB,c [dB]** |
| --- | --- | --- |
| CA\_n41-n66-n71-n77 | n41 | 0.81/1.32 |
| n66 | 0.5 |
| n71 | 0.3 |
| n77 | 0.8 |
| NOTE 1: Applicable for the frequency range of 2515-2690 MHz.  NOTE 2: Applicable for the frequency range of 2496-2515 MHz | | |

Table 5.x.2-2: ΔRIB,c for 4DL aggregation

| **Inter-band CA Configuration** | **NR Band** | **ΔRIB,c [dB]** |
| --- | --- | --- |
| CA\_n41-n66-n71-n77 | n41 | 0.51/12 |
| n66 | 0.5 |
| n71 | 0 |
| n77 | 0.5 |
| NOTE 1: Applicable for the frequency range of 2515-2690 MHz.  NOTE 2: Applicable for the frequency range of 2496-2515 MHz | | |

5.x.3 REFSENS requirements

MSD requirements are captured in lower order combinations.

---End of changes---

# Reference

[1] RP-202189, “Revised WID: Rel-17 NR inter-band Carrier Aggregation for 4 bands DL with 1 band UL”, Ericsson