**3GPP TSG-RAN WG4 Meeting #98-e R4-2100981**

**Online, 25th Jan - 5th Feb, 2021**

**Source:** Samsung, TELUS, Bell mobility

**Title:** TP for TR 38.717-03-02: CA\_n25-n29-n66

**Agenda item:**  9.11.2

**Document for:** Approval

1. Introduction

This contribution is a text proposal for TR 38.717-03-02 to include CA\_n25A-n29A-n66 according to the request in [1].

# 2. Reference

1. RP-202201, Revised WID on Rel-17 NR Inter-band Carrier Aggregation/Dual Connectivity for 3 bands DL with 2 bands UL.

3. Text Proposal

**<Start of Text Proposal>**

## 5.1.x CA\_n25-n29-n66

### 5.1.x.1 Operating bands for CA

Table 5.1.x.1-1: 3DL Inter-band CA operating bands

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **NR CA Band** | **NR Band** | **Uplink (UL) operating band** | | | **Downlink (DL) operating band** | | | **Duplex Mode** |
| **BS receive / UE transmit** | | | **BS transmit / UE receive** | | |
| **FUL\_low – FUL\_high** | | | **FDL\_low – FDL\_high** | | |
| CA\_n25-n29-n66 | n25 | 1850 MHz | – | 1915 MHz | 1930 MHz | – | 1995 MHz | FDD |
| n29 | N/A | | | 717 MHz | – | 728 MHz | SDL |
| n66 | 1710 MHz | – | 1780 MHz | 2110 MHz | – | 2200 MHz | FDD |

### 5.1.x.2 Channel bandwidths per operating band for CA

Table 5.1.x.2-1: Supported channel bandwidths per CA configuration for 3DL 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\_n25A-n29A-n66A | CA\_n25-n66A | n25 | 5 | 10 | 15 | 20 | 25 | 30 | 40 |  |  |  |  |  |  | 0 |
| n29 | 5 | 10 |  |  |  |  |  |  |  |  |  |  |  |
| n66 | 5 | 10 | 15 | 20 | 25 | 30 | 40 |  |  |  |  |  |  |

### 5.1.x.3 Co-existence studies

Co-existence studies of CA\_n25-n29-n66 with 2UL are already covered in the constituent fall-back modes, it can get that:

- no IMD of band n25 UL and band n66 UL falling to band n29 DL

### 5.1.x.4 REFSENS requirements

There are no additional MSD requirements for this band combination

<End of Text Proposal>