**3GPP TSG-RAN WG4 Meeting # 116-bis R4-2514231**

**Prague Meeting, Oct. 13th – Oct. 17th, 2025**

**Title: TP to TR 38.719-03-01 CA\_n3-n75-n78**

**Source: Nokia, BT PLC**

**Agenda item: 5.3.4**

**Document for: Approval**

# 1 Introduction

This is a TP to TR 38.719-03-01 to add CA\_n3A-n75A-n78(2A). The fallback combination CA\_n75A-n78(2A) BCS 4 and 5 has been submitted in the same meeting as R4-2514222

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* Start of TP\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

## 5.x CA\_n3-n75-n78

### 5.x.1 Common for 1 band UL and 2 bands UL CA

#### 5.x.1.1 Operating bands for CA

Table 5.x.1.1-1: CA band combination constituent bands definition

|  |  |  |  |
| --- | --- | --- | --- |
| NR Band | Uplink (UL) band | Downlink (DL) band | Duplex Mode |
| BS receive / UE transmit | BS transmit / UE receive |
| FUL\_low – FUL\_high | FDL\_low – FDL\_high |
| n3 | 1710 MHz - 1785 MHz | 1805 MHz - 1880 MHz | FDD |
| n75 | - | 1432 MHz - 1517 MHz | SDL |
| n78 | 3300 MHz - 3800 MHz | 3300 MHz - 3800 MHz | TDD |

#### 5.x.1.2 Channel bandwidths per operating band for CA

Table 5.x.1.2-1: Supported bandwidths per CA band combination

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| CA operating/channel bandwidth (MHz) | | | | |
| NR CA configuration | Uplink CA configuration or single uplink carrier | NR Band | Channel bandwidth (MHz) | Bandwidth combination set |
| CA\_n3A-n75A-n78(2A) | CA\_n78(2A) CA\_n3A-n78A | n3 | n3 channel bandwidths in Table 5.3.5-1 | 4 and 5 |
|  |  | n75 | n75 channel bandwidths in Table 5.3.5-1 |  |
|  |  | n78 | CA\_n78(2A)\_BCS 4 and 5 |  |

#### 5.x.1.3 ∆TIB,c and ∆RIB,c values

For CA\_n3-n75-n78, the ΔTIB,c and ΔRIB,c values are already covered in the specification.

### 5.x.2 Specific for 2 bands UL CA

#### 5.x.2.1 UE co-existence studies

##### 5.x.2.1.1 Co-existence studies for 2UL band with 1CC per band

The co-existence analysis has already been covered by the fallbacks (2CA and 3CA wo. Intra-band non-contiguous CA in n78). There is no change in the analysis due to the intra-band non-contiguous CA extension.

#### 5.x.2.2 REFSENS requirements

There are no new requirements to be covered.

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* End of TP\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*