3GPP TSG-RAN WG4 Meeting #104-bis-e R4-2215972

Electronic Meeting, 10th – 19th October 2022

**Source:** Vodafone

**Title:** TP for TR 36.718-02-01 to add CA\_1A-7C-32A

**Agenda item:** 7.1.3.1

**Document for:** Approval

# Background

This contribution provides a text proposal for adding CA\_1A-7C-32A with UL configurations 7C and 1A-7A as requested in RAN4#104-e.

# Reference

# Text Proposal

##### ---Start of changes---

### 5.4.x CA\_1A-7C-32A

#### 5.4.x.1 Channel bandwidths per operating band for CA

Table 5.4.x.1-1: Inter-band CA operating bands

|  |  |  |  |
| --- | --- | --- | --- |
| E‑UTRA Operating Band | Uplink (UL) operating bandBS receiveUE transmit | Downlink (DL) operating bandBS transmit UE receive | Duplex Mode |
| FUL\_low – FUL\_high | FDL\_low – FDL\_high |
| 1 | 1920 MHz | – | 1980 MHz  | 2110 MHz | – | 2170 MHz | FDD |
| 7 | 2500 MHz | – | 2570 MHz | 2620 MHz | – | 2690 MHz | FDD |
| 32 |  | N/A |  | 1452 MHz | – | 1496 MHz | FDD |

Table 5.4.x.1-2: E-UTRA CA configurations and bandwidth combination sets defined for inter-band CA

|  |
| --- |
| E-UTRA CA configuration / Bandwidth combination set |
| E-UTRA CA Configuration | Uplink CA configurations | E-UTRA Bands | 1.4MHz | 3MHz | 5MHz | 10MHz | 15MHz | 20MHz | Maximum aggregated bandwidth[MHz] | Bandwidth combination set |
| CA\_1A-7C-32A | CA\_7CCA\_1A-7A | 1 |  |  | Yes | Yes | Yes | Yes | 80 | 0 |
| 7 | See CA\_7C Bandwidth Combination Set 1 in Table 5.6A.1-1 |
| 32 |  |  | Yes | Yes | Yes | Yes |

#### 5.3.x.2 Co-existence studies

Coexistence for CA\_1-7 has already been specified in TS 36101.

#### 5.3.x.3 ∆TIB and ∆RIB values

Relaxation values already specified for CA\_1-7-32.

#### 5.3.x.4 REFSENS Requirements

Table 5.3.x.4-1: 3DL/2UL interband Reference sensitivity QPSK PREFSENS and uplink/downlink configurations

|  |  |
| --- | --- |
| E-UTRA Band / Channel bandwidth / NRB / Duplex mode | Source of IMD |
| EUTRA CA | EUTRA CA | EUTRA band | UL Fc | UL BW | UL | DL Fc | DL BW | MSD | Duplex mode |
| DL Configuration | UL Configuration | (MHz) | (MHz) | CLRB | (MHz) | (MHz) | (dB) |
| CA\_1A-7A-32ACA\_1A-7C-32A | CA\_1A-7A | 1 | 1977.5 | 5 | 25 | 2167.5 | 5 | N/A | FDD | N/A |
| 7 | 2502.5 | 5 | 25 | 2622.5 | 5 | N/A | N/A |
| 32 | N/A | N/A | N/A | 1454.5 | 5 | 15.2 | IMD34 |
| NOTE 4: This band is subject to IMD5 also which MSD is not specified. |

##### ---End of changes---