**3GPP TSG-RAN WG4 Meeting # 111 R4-2410553**

**Fukuoka Meeting, May 20th – May 24th, 2024**

**Title: TP to TR 38.850 to add HP-NRCA n7-n28**

**Source: Nokia, BT plc**

**Agenda item: 6.18.2**

**Document for: Approval**

# 1 Introduction

This contribution is a text proposal for TR38.850 for adding PC2 of n7 in CA\_n7A-n28A.

This contribution is a text proposal to introduce PC2 n7 for DL CA\_n7A-n28A.

There is no cross-band isolation MSD for PC3 n7 for DL CA\_n7A-n28A and there’s no uplink harmonic of harmonic mixing MSD.

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5.x CA\_n7-n28

5.x.1 UE maximum output power

**Table 5.5A.3.1-1: 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)** | **Bandwidth combination set** |
| CA\_n7A-n28A | n78CA\_n7A-n28A | n7 | 5, 10, 15, 20, 25, 30, 40, 50 | 0 |
|  |  | n28 | 5, 10, 15, 20 |  |
| NOTE 8: Minimum requirements for Power Class 2 are applicable for this uplink combination with 1Tx antenna connector in each band or single uplink carrier with up to 2Tx antenna connectors in this downlink/uplink combinationNOTE 10: Only single uplink carriers with power class other than PC3 are listed. |

5.x.2 REFSENS requirements

Analysis of REFSENS exceptions or MSD requirements is needed due to higher power uplink.

#### 5.x.2.0 General

For PC3, CA\_ n7A-n28A has no cross-band isolation MSD for UL n7.

For PC3, CA\_ n7A-n28A has no uplink harmonic or harmonic mixing MSD for UL n7.

#### 5.x.2.1 Reference sensitivity requirements with PC2 on n7 without TxD

For CA\_ n7A-n28A, this would follow already specified reference sensitivity requirements.

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