**3GPP TSG-RAN WG4 Meeting #98-e R4-2100984**

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

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

**Title:** TP for TR 37.717-21-11: DC\_29-66\_n78

**Agenda item:** 9.4.2

**Document for:** Approval

1. Introduction

This contribution is a text proposal for TR 37.717-21-11 to include DC\_29A-66A\_n78A according to the request in [1].

# 2. Reference

1. RP-202613 WID revision: Dual Connectivity (DC) of 2 bands LTE inter-band CA (2DL/1UL) and 1 NR band (1DL/1UL).

3. Text Proposal

**<Start of Text Proposal>**

## 5.x DC\_29-66\_n78

5.x.1 Operating bands for DC

Table 5.x.1-1: Band combinations EN-DC (three bands)

| EN-DC Band | E-UTRA Band | NR Band | Single UL allowed |
| --- | --- | --- | --- |
| DC\_29-66\_n78 | CA\_29-66 | n78 | DC\_66\_n78 |

5.x.2 Configurations for DC

Table 5.x.2-1: Inter-band EN-DC configurations (three bands)

| EN-DC  configuration | Uplink EN-DC  configuration  (NOTE 1) | E-UTRA configuration | NR configuration |
| --- | --- | --- | --- |
| DC\_29A-66A\_n78A | DC\_66A\_n78A | CA\_29A-66A | n78 |

NOTE 1: For DC\_29A\_n78A with NA on UL, the minimum requirements apply only when there is non-simultaneous Tx/Rx operation between E-UTRA and NR carriers. This restriction applies also for these carriers when applicable EN-DC configuration is part of a higher order EN-DC configuration.

5.x.3 Co-existence studies

Based on co-existence studies of DC\_29A-66A\_n78A with 2UL, it can get that:

- no IMD of band 66 UL and band n78 UL falling to band 29 DL

5.x.4 ∆TIB and ∆RIB values

For DC\_29A-66A\_n78A, the ΔTIB,c and ΔRIB,c values are reused from the LTE combination CA\_13-48-66, and are given in the tables below.

Table 5.x.4-1: ΔTIB,c

| Inter-band DC Configuration | E-UTRA and NR Band | ΔTIB,c [dB] |
| --- | --- | --- |
| DC\_29-66-n78 | 66 | 0.6 |
| n78 | 0.8 |

**Table 5.x.4-2: ΔRIB**

| Inter-band DC Configuration | E-UTRA and NR Band | ΔRIB [dB] |
| --- | --- | --- |
| DC\_29-66-n78 | 66 | 0.2 |
| n78 | 0.5 |

5.x.5 REFSENS requirements

There are no additional MSD requirements for this band combination

<End of Text Proposal>