**3GPP TSG-RAN WG4 Meeting #97-e 　　　　　　　　　 R4-2014952**

**Online, 2nd Nov-13th Nov, 2020**

**Source: KDDI.**

**Title: TP for DC\_1-18\_n28**

**Agenda item: 10.4.2**

**Document for:** **Approval**

# Introduction

This contribution is a text proposal for TR 37.717-21-11 to include DC\_1A-18A\_n28A and according to the request in [1].

# References

[1] RP-202060, Revised WID on Rel-17 Dual Connectivity (DC) of 2 bands LTE inter-band CA (2DL/1UL) and 1 NR

band (1DL/1UL).

# Text Proposal

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## 5.x DC\_1-18\_n28

### 5.x.1 Configurations for DC

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

| DCconfiguration | Uplink configuration |
| --- | --- |
| DC\_1A-18A\_n28A | DC\_1A\_n28ADC\_18A\_n28A |

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

Based on co-existence studies of DC\_1\_n28 and DC\_18\_n28, 5th order IMD generated by dual uplink of Band 18 + Band n28 may fall into own Rx of band 1. The MSD value of this configuration can follow CA\_1A-18A-28A with UL CA\_18A-28A case. Since band 18 is only used by KDDI, no additional MSD requirement need to be specified for this configuration considering KDDI spectrum (band n28 UL is limited to 718MHz – 728MHz).

### 5.x.3 ∆TIB and ∆RIB values

For DC\_1-18\_n28, the ΔTIB,c and ΔRIB,c values are given in the tables below.

Table 5.X.3-1: ΔTIB,c

| Inter-band DC Configuration | E-UTRA and NR Band | ΔTIB,c [dB] |
| --- | --- | --- |
| DC\_1-18\_n28 | 1 | 0.3 |
| 18 | 0.5 |
| n28 | 0.5 |

**Table 5.X.3-2: ΔRIB**

| Inter-band DC Configuration | E-UTRA and NR Band | ΔRIB [dB] |
| --- | --- | --- |
| DC\_1-18\_n28 | 1 | 0 |
| 18 | 0 |
| n28 | 0 |

### 5.x.4 Reference sensitivity exceptions

As stated in 5.x.2, there is no additional MSD requirement for this configuration.

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