**3GPP TSG-RAN WG4 Meeting #97-e R4-2014953**

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

**Source: KDDI.**

**Title: TP for DC\_1-18\_n41**

**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\_n41A 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\_n41

### 5.x.1 Configurations for DC

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

| DC  configuration | Uplink configuration |
| --- | --- |
| DC\_1A-18A\_n41A | DC\_1A\_n41A  DC\_18A\_n41A |

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

Based on co-existence studies of DC\_1\_n41 and DC\_18\_n41, 5th order IMD generated by dual uplink of Band 1 + Band n41 may fall into own Rx of band 18. The MSD value of this configuration can follow CA\_1A-18A-41A with UL CA\_1A-41A case. Since band 18 is only used by KDDI, no additional MSD requirement need to be specified for this configuration considering KDDI spectrum (band n41 is limited to 2595MHz – 2645MHz).

### 5.x.3 ∆TIB and ∆RIB values

For DC\_1-18\_n41, 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\_n41 | 1 | 0.5 |
| 18 | 0.3 |
| n41 | 0.5 |

**Table 5.X.3-2: ΔRIB**

| Inter-band DC Configuration | E-UTRA and NR Band | ΔRIB [dB] |
| --- | --- | --- |
| DC\_1-18\_n41 | 1 | 0 |
| 18 | 0 |
| n41 | 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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