**3GPP TSG-RAN WG1 Meeting #107-e R1-211xxxx**

E-meeting, November 11th – 19th, 2021

Title: [DRAFT] LS on range of power control parameters for eIAB

Response to: -

Release: Rel-17

Work Item: NR\_IAB\_enh

Source: Qualcomm [RAN WG1]

To: RAN WG4

Cc: RAN WG2

**Contact Person:**

Name: Luca Blessent

E-mail Address: lblessen@qti.qualcomm.com

**Send any reply LS to: 3GPP Liaisons Coordinator,** **mailto:3GPPLiaison@etsi.org**

Attachments: -

**1. Overall Description:**

RAN1 has agreed (see R1-2112965 for all RAN1 decisions on eIAB) on the ability for an IAB-node to optionally exchange some power control related information with a parent node to facilitate simultaneous operation of the IAB-MT and the IAB-DU. Specifically, three quantities can be communicated via MAC-CE:

* An IAB-node can indicate to a parent node a desired DL Tx power adjustment to reduce the received power level by the IAB-MT. The DL Tx power adjustment is applied only to PDSCH and its associated DMRS and PTRS.
* A parent node can indicate to an IAB-node an actual applied DL Tx power adjustment.
* An IAB-node can indicate to a parent node a desired UL Tx PSD range.

RAN1 has further agreed to seek guidance from RAN4 on the allowable range for the aforementioned three quantities.

**2. Actions:**

**To RAN WG4**

**ACTION:** RAN1 would like to ask RAN4 to kindly consider providing a recommendation on the min and max values for the desired DL Tx power adjustment, the actual DL Tx power adjustment, and the desired UL Tx PSD range.

**3. Date of Next RAN WG1 Meetings:**

TSG RAN WG1 Meeting #107bis-e January 17th – 25th, 2022 e-meeting

TSG RAN WG1 Meeting #108-e February 21st – March 3rd, 2022 e-meeting