3GPP TSG-RAN WG1 Meeting #107-e R1-21NNNN

e-Meeting, November 11th – 19th, 2021

Title: [DRAFT] LS on definition of DL PRS path RSRP

Response to:

Release: Release-17

Work Item: NR\_pos\_enh

**Source: Moderator (Ericsson) [to be RAN1]**

To: RAN WG2, RAN WG3

Cc:

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Attachments: N/A

1 Overall description

RAN1 agreed to the following during RAN1#107e:

|  |
| --- |
| **Agreement**  From the RAN1 perspective, for the TRP beam/antenna information to be optionally provided by the LMF to the UE for UE-based DL-AoD:   * The LMF provides the quantized version of the relative Power between PRS resources per angle per TRP.   + The relative power is defined with respect to the peak power in each angle   + For each angle, at least two PRS resources are reported.   + Note: the peak power per angle is not provided * Note: up to RAN3 to decide how the TRP beam information is provided to the LMF for both UE-assisted and UE-based * Send an LS to RAN2/RAN3 to decide on the signaling details |

2 Actions

**To RAN2, RAN3**

**ACTION:** RAN1 respectfully ask RAN2 and RAN3 to take the agreement into account for the discussion on deciding the signalling details for TRP beam information from LMF to the UE and from gNB to the LMF.

3 Dates of next TSG-RAN WG1 meeting

TSG-RAN WG1 Meeting #108-e 21 February – 03 March 2021 E-Meeting