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:

**Contact Person:**

Name: Florent Munier

Tel. Number:

E-mail Address: florent.munier@ericsson.com

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

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
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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 to the UE.

3 Dates of next TSG RAN1 meeting

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