**3GPP TSG-RAN WG1 Meeting #110bis-e R1-2210454**

**e-Meeting, October 10th – 19th, 2022**

**Title: [DRAFT]** Reply LS on Pemax,c of S-SSB transmission

**Response to:** R1-2208348 (R4-2214421)

**Release:** Rel-16

**Work Item:** 5G\_V2X\_NRSL-Core

**Source:** vivo [RAN1]

**To:** RAN4

**Cc:** RAN2

**Contact person:** Zichao Ji

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

**Attachments:**

# 1 Overall description

RAN1 thanks RAN4 for the LS on the Pemax parameter for S-SSB transmission. RAN1 would provide the following answers to RAN4’s questions.

**Q1:** RAN4 agreed not to define PEMAX,c for S-SSB configured Tx Power in TS38.101-1 as highlighted yellow below and would like to know if this can have any impact to RAN1/2, for example, Pcompensation defined in idle mode procedure in TS 38.304?

**Answer**: In the RAN1 specification, only the $P\_{CMAX}$ is used while the definition is referred to the RAN4 specification. Thus, omitting the PEMAX,c of $P\_{CMAX}$ for S-SSB has no spec impact to RAN1.

RAN1 has further discussed whether to mitigate the interference of S-SSB to UL transmission in Rel-17, by supporting the configurability of the maximum TX power for NR S-SSB following a similar procedure to LTE (i.e., via PEMAX,c for S-SSB). However, no consensus is achieved in RAN1.

# 2 Actions

**To RAN4**

RAN1 respectfully asks RAN4 to take the above information into account in related work.

# 3 Dates of next TSG-RAN WG1 meetings

TSG RAN WG1 Meeting #111 November 14th – 18th, 2022 Toulouse

TSG RAN WG1 Meeting #112 February 27th – March 03rd, 2023 Athens