3GPP TSG-RAN Meeting # 99-e R4-

Electronic Meeting, May. 19 – 27, 2021

**Title: LS on power headroom calculation**

**Response to:**

**Release: Rel-16**

**Work Item: NR\_eMIMO-Perf**

**Source:** **RAN WG4**

**To: RAN WG1**

**Cc:**

**Contact person: Richie Leo**

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

**Attachments:** -

# 1 Overall description

RAN4 is now studying test cases for pathloss reference signal activation delay which involves the triggering of a power headroom report (PHR) and the calculation of power headroom. Currently there is no clear common understanding on how power headroom in PHR is calculated, specifically, if power headroom is based on L1-RSRP or L3-RSRP.

**Question**: When the UE is triggered to send a PHR to the network, is L3 filtering used when calculating the power headroom?

# 2 Actions

**To RAN WG1**

**ACTION:** RAN4 respectfully asks RAN1 to provide answers for the above question.

# 3 Dates of next TSG-RAN WG4 meetings

TSG-RAN4 #100-e Aug 16 - Aug 27, 2021 Electronic Meeting

TSG-RAN4 #101-e Nov 01 - Nov 12, 2021 Electronic Meeting