**3GPP TSG-RAN WG4 Meeting #116 R4-2509066**

**Bengaluru, India, 25 – 29 August, 2025**

**Title:** LS on definition of CSI-RS based L1 intra/inter-frequency measurement

**Release:** Release19

**Work Item:** NR\_Mob\_Ph4-Core

**Source:** TSG RAN WG4

**To:** TSG RAN WG2

**Cc:**

**Contact person:** Qiming Li

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# 1 Overall description

RAN4 has made the following agreement on definition of CSI-RS based L1 intra/inter-frequency measurement:

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| --- |
| Definition on CSI-RS based intra-frequency L1 measurement**Agreement:**A measurement is defined as a CSI-RS based intra-frequency L1 measurement provided that: * the SCS of the CSI-RS resource of LTM candidate cell(s) configured for L1 measurement is the same as the SCS of active DL BWP, and
* the CP type of the CSI-RS resource of LTM candidate cell(s) configured for L1 measurement is the same as the CP type of active DL BWP, and
	+ It is applied for SCS = 60KHz
* at least 48 RBs of the CSI-RS resource of LTM candidate cell(s) configured for L1 measurement is included within the active DL BWP.

Otherwise, a measurement is defined as a CSI-RS based inter-frequency L1 measurement.* RAN4 will not define requirements for CSI-RS based inter-frequency L1 measurement on LTM candidate cell(s) in R19.
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RAN4 respectfully asks RAN2 to take above agreements into consideration.

# 2 Actions

**To TSG RAN2**

**ACTION:** RAN4 respectfully asks RAN2 to take above agreements into consideration.

# 3 Dates of next TSG RAN WG4 meetings

TSG-RAN WG4 Meeting #116bis 13 – 17 October 2025 Prague, CZ

TSG-RAN WG4 Meeting #117 17 – 21 November 2025 Dallas, US