**3GPP TSG-RAN WG4 Meeting #** **111 R4-2409970**

**Fukuoka City, Fukuoka , Japan, 20th – 24th May, 2024**

**Title:** Draft LS on FR2 UE Beamlock test function

**Response to:**

**Release:** Release 19

**Work Items:** FS\_NR\_FR2\_OTA\_Ph3

**Source:** RAN WG4

**To:** RAN WG5

**CC:**

**Contact Person:**

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**Attachments:** None

1 Overall description

The UE Beamlock test function was specified in TS 38.509 to make the UE locking the UE TX and/or RX beam(s). RAN4 is not clear if current Beamlock test function can support locking two TX beams from two panels simultaneously. For transmission with multi-panel (STxMP) measurement, RAN4 agreed it is necessary to make sure UE Beamlock test function can lock UE two Tx beams from two panels simultaneously.

2 Actions

**To RAN5**

**ACTION:** Please RAN5 takes RAN4 agreements into account and check whether and how to extend the current FR2 UE Beamlock test function to lock UE two Tx beams from two panels simultaneously.

3 Dates of next TSG RAN WG4 meetings

TSG-RAN WG4 Meeting #112 19 -23 Augst, 2024 Maastricht, NL

TSG-RAN WG4 Meeting #112bis 14-18, October, 2024 China