3GPP TSG RAN WG4 Meeting #96-e R4-2011751

Electronic meeting, 17-28 Aug. 2020

**Title: Reply LS on RF testing of 4Rx capable UE**

**Response to: LS R4-2009530 on RF testing of 4Rx capable UE from RAN5**

**Release: Rel-15**

**Work Item: NR\_newRAT-Core**

**Source: RAN4**

**To: RAN5**

**Cc:**

**Contact person: Ruixin Wang**

**ruixin.wang@vivo.com**

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

**Attachments:** **None**

# 1 Overall description

RAN4 would like to thank RAN5 for their LS R4-2009530 on RF testing of 4Rx capable UE.

RAN4 has discussed the receiver requirements testing for 4Rx capable UEs, and has made the following agreement:

* **For single carrier REFSENS requirement in 4Rx bands, both 2Rx and 4Rx requirements shall be tested. The 2Rx testing of REFSENS shall be performed with the connection of 2Rx antenna ports declared by UE.**
* **For Rx requirements other than single carrier REFSENS, testing the UE with 4Rx antenna ports with corresponding requirements is sufficient to verify the Rx performance in 4Rx bands.**

# 2 Actions

**To** **RAN5:**

**ACTION:** RAN4 respectfully asks RAN5 to take the above decision into consideration in their future work.

# 3 Dates of next TSG-RAN WG4 meetings

TSG-RAN WG4 Meeting #97-e 26 October-13 November, 2020 E-meeting

TSG-RAN WG4 Meeting #98 1-5 March, 2021 TBD