**3GPP TSG-RAN WG4 #99-e R4-21xxxxx**

Electronic Meeting, May 19-27, 2021

**Title:** Draft Reply LS on simultaneous Rx/Tx capability

**Response to:** R2-2102495

**Release:** Rel. 15

**Work Item:** NR\_newRAT

**Source:** RAN4

**To:** RAN2

**Cc:**

**Contact person:** Valentin Gheorghiu

vgheorgh (at) qti (dot) qualcomm (dot) com

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

**Attachments:** None

# 1 Overall description

RAN4 would like to thank RAN2 for the reply LS on simultaneous Rx/Tx capability.

RAN4 had further discussion on the simultaneous Rx/Tx capability and concluded that CA capability signaling should be able to indicate support of simultaneous Rx-Tx for all band pairs within a higher order CA combination.

For example, if the UE supports a combination of Band 1 + Band 2 + Band 3 + Band 4, the UE should be able to indicate that it supports simultaneous Rx/Tx between Band 1 and Band 2 but it does not support simultaneous Rx/Tx between Band 3 and Band 4.

The above capability is needed for any TDD-TDD and TDD-FDD inter-band CA, SUL, EN-DC, NE-DC and NR-DC within the same CG or across CGs or both.

# 2 Actions

**To 3GPP RAN2**

**ACTION:** To take into account the RAN4’s feedback in the discussion/design of the UE capability signaling.

# 3 Dates of next TSG RAN WG1 meetings

TSG RAN WG4 Meeting #99-e 19-27 May 2021, Electronic