3GPP TSG-RAN WG4 Meeting # 102-e R4-22xxxxx

Online Meeting, 21 February - 03 March 2022

**Title: Reply LS on Length of Maximum duration**

**Response to: R1-2106212 “LS on joint channel estimation for PUSCH and PUCCH”**

**Release: Rel-17**

**Work Item: NR\_cov\_enh**

**Source: RAN4**

**To: RAN1, RAN2**

**Cc:**

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

**Attachments:**

# 1 Overall description

RAN4 replied to LS R1-2106212 from RAN1 regarding maximum duration earlier with R4-2206537, which indicated that RAN4 concluded that for per band UE capability on length of maximum duration, the set of values of duration lengths for FDD are {4, 8, 16, 32} slots. Meanwhile, RAN4 will not define the requirements with 32 slots for FDD in Rel-17.

RAN4 continued discussing the granularity of the UE capability and the length of maximum duration for TDD, and further concluded that:

For the granularity of the UE capability on length of maximum duration:

Per band UE capability was agreed in RAN4 #101e-bis. RAN4 has not discussed requirements for combination of this feature with CA in Rel-17, and RAN4 suggests the final decision on the granularity to be made in RAN1.

For the length of maximum duration for TDD:

For length of maximum duration for TDD, the set of values of duration lengths at least includes {5, 8} slots, and whether 2 slots and 16 slots can be included in the set of values for UE capability reporting is up to RAN1 to decide.

RAN4 further concluded that the UE capability of the length of maximum duration refers to the number of consecutively transmitted UL slots over which the UE can meet the phase consistency requirement.

# 2 Actions

**To RAN1 and RAN2**

**ACTION:** RAN4 respectfully asks RAN1 and RAN2 to take the above information in to consideration in their work.

# 3 Dates of next TSG RAN WG 4 meetings

RAN4#103-e 2022-05-16 - 2022-05-27 Electronic

RAN4#104 2022-08-22 - 2022-08-26 Toulouse, FR