**3GPP TSG RAN WG1 #106-e R1-210zzzz**

**e-Meeting, August 16th – 27th, 2021**

**Title:** DraftLS to RAN2 on SRS for Positioning Transmission by UEs in RRC\_INACTIVE State

**Reply to:** R2-2106551 (R1-2106411)

**Release:** Rel-17

**Work Item:** NR\_pos\_enh-Core

**Source:** Moderator (Intel Corporation) [To be RAN WG1]

**To:** RAN WG2

**Cc:**

**Contact Person:**

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

**Attachments:** None

**1. Overall Description:**

RAN WG1 has discussed the RAN WG2 LS on UL Positioning by RRC\_INACTIVE UEs [R2-2106551] and made the following agreements:

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| --- |
| Agreement:* From RAN1 perspective, it is feasible to support transmission of SRS for positioning by UEs in RRC\_INACTIVE state for UL and DL+UL positioning under certain validation criteria
	+ FFS: Type(s) of SRS for positioning (i.e., periodic, semi-persistent, aperiodic)
	+ FFS: Details of validation criteria which may also be discussed in RAN2
	+ Send LS to RAN2 informing them of this agreement

Agreement:* Open loop power control defined in Rel.16 for transmission of SRS for positioning by RRC\_CONNECTED UEs is applicable for RRC\_INACTIVE UEs

Agreement:* Spatial relation defined in Rel.16 for transmission of SRS for positioning by RRC\_CONNECTED UEs is applicable for RRC\_INACTIVE UEs

Conclusion:* It is up to RAN2 to define TA procedures for SRS for positioning transmission by RRC\_INACTIVE UEs
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RAN WG1 respectfully asks RAN WG2 to take above agreements into account in future work on NR positioning enhancements.

**2. Actions:**

**To RAN2 group**

**ACTION:** RAN WG1 respectfully asks RAN WG2 to consider agreements on SRS for positioning transmission by RRC\_INACTIVE UEs made by RAN WG1

**3. Date of Next TSG-RAN WG1 Meetings:**

TSG-RAN WG1 Meeting #106-bis-e 11 – 19 October 2021 Electronic Meeting

TSG-RAN WG1 Meeting #107-e 11 – 19 November 2021 Electronic Meeting