**3GPP TSG-RAN WG4 Meeting # 104-e R4-2211697**

Electronic Meeting, August 15 – August 26, 2022

Title Reply LS for the minimum guard period between two SRS resources for antenna switching

**Release:** Release 17

Work Item: NR\_ext\_to\_71GHz-Core

Source: RAN4

To: RAN1

Cc: -

**Contact person:**

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**Attachments:**

[1] R4-1710048, “LS Reply to LS related to SRS hopping”, RAN4#NR#3, 18 - 21 September, 2017

**1. Overall description**

RAN4 would like to thank RAN1 for the LS to RAN4 on a minimum guard period between two SRS resources for antenna switching (R1-2200796). RAN4 discussed the issue and have the following conclusions.

The evaluation results in the R15 reply LS [1] still apply to FR2-2, i.e. the absolute time for the antenna switching is the same as R15 capability.

The answer from RAN4 can be a reference for RAN1 further discussion.

**Question to RAN4:** How many symbol(s) is/are needed to accommodate the required minimum guard time for SRS antenna switching for 480 and 960 kHz respectively, in FR2-2?

**Answer from RAN4:** RAN4 has considered the absolute switching time evaluated for FR2-1 in R15, i.e. the antenna switching time is 15 usec with a view to reusing this value for FR2-2. The detailed evaluation results for the switching scenarios considered are included in the R15 reply LS R4-1710048 [1]. RAN4 will further consider this result and its feasibility for SRS transmission used for antenna switching and whether the switching time assumed could be improved for 480 and 960 kHz operation.

**2. Actions**

**To RAN1 group:**

**ACTION:** RAN4 respectfully asks RAN1 to take the above information into account.

**3. Dates of next TSG RAN WG4 meetings**

TSG RAN WG4 Meeting #104-b-e 10th Oct – 19th Oct 2022 Online

TSG RAN WG4 Meeting #105-e 14th Nov – 18th Nov 2022 Canada