**3GPP TSG-RAN4 Meeting #98-eR4-2104048**

**Online, 25 Jan. – 5 Feb., 2021**

**Title:** LS on SRS antenna port switching

**Release:** Rel-17

**Work Item:** NR\_RRM\_enh2-Core

**Source:** RAN WG 4

**To:** RAN WG 1

**Contact Person:**

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**Attachments:** N.A.

**1. Overall Description:**

At RAN4 #98e meeting, RAN4 discussed RRM requirements for SRS antenna port switching [1]. When discussing UE interruption requirements related to SRS antenna port switching, RAN4 refer to the guard period as defined in RAN1 specification 3GPP TS 38.214 (section 6.2.1.2, see table below). RAN4 has identified some questions regarding to the guard period.

RAN4 sincere requests RAN1 to clarify the following questions on the applicability of the guard period:

* Q1: Is it possible to configure the SRS resources of an SRS resource set in non-consecutive OFDM symbols in the same slot (SRS#1 and SRS#2 being separated by more than one OFDM symbol) as in figure 1?
* Q2: If the answer to Q1 is yes, i.e. SRS resources of an SRS resource set are configured in the same slot, but not on consecutive OFDM symbol (as in below figure), is there any guard period between SRS#1 and SRS#2?
* Q3: If the answer to Q2 is Yes, what is the duration of the guard period in which the UE does not transmit any other signal and on which OFDM symbol(s) is the guard period located?



Figure 1. SRS resources of an SRS resource set in the same slot

**2. Actions:**

**To RAN WG1 group.**

**ACTION:** RAN4 sincere requests RAN1 to provide answers of above questions for RAN4 future work.

**3. Date of Next TSG-RAN WG4 Meetings:**

TSG-RAN4 #98bis-e Apr 12-Apr 20, 2021 Online

TSG-RAN4 #99-e May 19-May 27, 2021 Online