**3GPP TSG RAN WG1 Meeting #107bis-e R1-220xxxx**

**e-Meeting, January 17th – 25th, 2022**

**Title: [Draft] LS on a minimum guard period between two SRS resources for antenna switching**

**Response to:**

**Release:** Rel-17

**Work Item:** NR\_ext\_to\_71GHz

**Source:** InterDigital [RAN1]

**To:** RAN4

**Cc:**

**Contact Person:**

#### Name: Youngwoo Kwak

E-mail Address: youngwoo.kwak (at) interdigital (dot) com,

**Attachments:**

**1. Overall Description:**

RAN1 has made the following agreement regarding the minimum guard period Y between two SRS resources of an SRS resource set for antenna switching for 480 kHz SCS and 960 kHz SCS:

Agreement:

Like in Rel-15, a minimum guard period Y between two SRS resources of an SRS resource set for antenna switching is supported for 480 kHz and 960 kHz

* FFS: Whether to define different values of Y for 480 kHz and 960 kHz or not
* FFS: Values of Y dependent on RAN4 feedback on the switching time requirement

Please be noted that RAN1 would like to kindly ask RAN4 to provide feedback on the following question as soon as possible:

**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?

For reference, the following was specified in Rel-15 (38.214 Section 6.2.1.2) for subcarrier spacing up to 120 kHz:

**Table 6.2.1.2-1: The minimum guard period between two SRS resources of an SRS resource set for antenna switching**

|  |  |  |
| --- | --- | --- |
|  |  | ***Y* [symbol]** |
| 0 | 15 | 1 |
| 1 | 30 | 1 |
| 2 | 60 | 1 |
| 3 | 120 | 2 |

**2. Actions:**

**To RAN4:** RAN1 would like to kindly ask RAN4 to provide feedback on the above question as soon as possible.

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

TSG-RAN WG1 Meeting #108-e 21 Feb – 04 Mar 2022 Online

TSG-RAN WG1 Meeting #109-e 16 – 27 May 2022 Online