**3GPP TSG RAN WG1 Meeting #101-e R1-200xxxx**

**E-Meeting, May 25 – June 5, 2020**

**Agenda Item: 6.2.3.1.1**

**Source: Moderator (Huawei)**

**Title: Text proposal on indexing of additional SRS symbols**

**Document for: Discussion and Decision**

# Introduction

This document provides the text proposal as outcomes of the following email discussion [1]:

[101-e-LTE-LTE\_DL\_MIMO\_EE-02] Indexing of additional SRS symbols by 5/29 – Yubo (Huawei)

* Issues 1 in [R1-2004706](file:///C%3A%5C%5CUsers%5C%5Cwanshic%5C%5COneDrive%20-%20Qualcomm%5C%5CDocuments%5C%5CStandards%5C%5C3GPP%20Standards%5C%5CMeeting%20Documents%5C%5CTSGR1_101%5C%5CDocs%5C%5CR1-2004706.zip)

# Discussion

## TP on resource reservation to special subframes

**Reason for changes:**

The parameter *l* in may be misleading as the range of the parameter is not defined.

**Summary of changes:**

The parameter *l* in is the additional SRS transmission number within the subframe.

**Specs/sections impacted:**

36.211 sections 5.5.3.2.2

**Consequences if not approved:**

The parameter *l* in may be interpreted OFDM symbol index within the subframe, which leads to an incorrect transmission pattern.

**-----------------------------------------------------Start of Text Proposal-----------------------------------**

*<unchanged parts are omitted>*

5.5.3.2.2 Mapping to physical resources for additional SRS

An additional SRS spans one or more OFDM symbols in the time domain, where

- the starting OFDM symbol within the subframe is given by the higher-layer parameter *additionalSRS-startPos*;

- the duration in number of OFDM symbols, including potential guard symbols, is given by the higher-layer parameter *additionalSRS-duration*;

Mapping to physical resources shall be done according to clause 5.5.3.2.1 with the following exceptions:

- frequency hopping between OFDM symbols is supported and if a UE is configured by higher layer parameter *additionalSRS-GuardSymbolFH*, a guard symbol is added between every frequency hop;

- antenna switching within a subframe is supported and if a UE is configured by higher layer parameter *additionalSRS-GuardSymbolAS*, a guard symbol is added between every antenna switching;

- where is the additional SRS transmission number not counting guard symbol(s) within the subframe with corresponding to the starting OFDM symbol , and is the repetition factor given by the higher-layer parameter *additionalSRS-RepNum*;

**------------------------------------------------------End of Text Proposal------------------------------------**

# References

1. R1-200xxxx Feature lead summary on 101-e-LTE-LTE\_DL\_MIMO\_EE-02 Moderator (Huawei)