**3GPP TSG RAN WG1 #101 R1-2004794**

**e-Meeting, May 25th – June 5th, 2020**

**Agenda item:** 7.2.6.3.

**Source:** Moderator (LG Electronics)

**Title:** TP for capturing outcome of email thread [101-e-NR-eMIMO-MB1-02]

**Document for:** Discussion and Decision

1. Analysis

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| Reasons for change | When the default spatial relation is enabled, for PUSCH, it is described as “the UE shall transmit PUSCH according to the spatial relation, if applicable, with a reference to the RS with ‘QCL-TypeD’ corresponding to the QCL assumption of the CORESET with the lowest ID ...” but for SRS, it is described as “the UE shall transmit the target SRS resource with the same spatial domain transmission filter used for the reception of the CORESET...”For the target SRS resource, it needs to be clarified as the SRS resource in the active UL BWP of a CC.  |
| Summary of changes | Clarify that the target SRS resource is the SRS resource in the active UL BWP of a CC and change the description related to the default spatial relation for SRS from “with the same spatial domain transmission filter used for the reception of the CORESET” to “according to the spatial relation, if applicable, with a reference to the RS with ‘QCL-TypeD’ corresponding to the QCL assumption of the CORESET”.  |
| Specs/Sections impacted | TS 38.214, clause 6.2.1 |
| Consequences if not approved | The spec is ambiguous due to the misaligned description for the default spatial relation for SRS and PUSCH. |

1. Text Proposal

TP for clause 6.2.1 of TS 38.214

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| When the higher layer parameter *enableDefaultBeamPlForSRS* is set ‘enabled’, and if the higher layer parameter *spatialRelationInfo* for the SRS resource, except for the SRS resource with the higher layer parameter *usage* in SRS-ResourceSet set to 'beamManagement' or for the SRS resource with the higher layer parameter *usage* in SRS-ResourceSet set to ‘nonCodebook’ with configuration of *associatedCSI-RS* or for the SRS resource configured by the higher layer parameter [SRS-for-positioning], is not configured in FR2 and if the UE is not configured with higher layer parameter(s) *pathlossReferenceRS*, and if the UE is not configured with different values of *CORESETPoolIndex* in *ControlResourceSets*, and is not provided at least one TCI codepoint mapped with two TCI states, the UE shall transmit the target SRS resource in an active UL BWP of a CC-   according to the spatial relation, if applicable, with a reference to the RS with ‘QCL-TypeD’ corresponding to the QCL assumption of~~with the same spatial domain transmission filter used for the reception of~~ the CORESET with the lowest *controlResourceSetId* in the active DL BWP in the CC.-   according to the spatial relation, if applicable, with a reference to the RS with ‘QCL-TypeD’ in ~~with the same spatial domain transmission filter used for the reception of~~ the activated TCI state with the lowest ID applicable to PDSCH in the active DL BWP of the CC if the UE is not configured with any CORESET in the active DL BWP of the CC |