**3GPP TSG RAN WG1 #106-e R1-210xxxx**

**e-Meeting, August 16th – 27th, 2021**

**Agenda item:** 7.2.6

**Source:** Moderator (vivo)

**Title:** Summary of [106-e-NR-eMIMO-04]

**Document for:** Discussion and Decision

# Introduction

This contribution summaries discussion of email thread [106-e-NR-eMIMO-04] MB.3 (conflict between default and updated spatial relation for multi-CC) triggered by the draft CR in [1].

There are views expressed during the preparation phase that default spatial relation is defined/configured per CC, and including a CC with a default spatial relation in a CC list is an error case.

Two cases exist for simultaneous configuration of CC\_list and default beam operation.

* Case1: Simultaneous configuration of *enableDefaultBeamPL-ForSRS* and *simultaneousTCI-UpdateList1/ simultaneousTCI-UpdateList2;*
* Case2: Simultaneous configuration of *enableDefaultBeamPL-ForSRS* and *simultaneousSpatial-UpdatedList1*/*simultaneousSpatial-UpdatedList*

We may need to first clarify understanding on current specification before further discussion.

# Views on Case1

Please share your views for case1 in the following table.

|  |  |
| --- | --- |
| Questions for view sharing:   1. Do you think it is allowed by current specification to “simultaneously configure *enableDefaultBeamPL-ForSRS* and *simultaneousTCI-UpdateList1/simultaneousTCI-UpdateList2*” for a UE? 2. If answer to above is no, please clarify why this is not allowed? | |
| Apple | 1. Yes. The two RRC parameters can be simultaneously configured. But default beam is a per-CC feature and simultaneous spatial relation info update is a cross-CC feature. |
| DOCOMO | 1. Yes. In that case, SRS spatial relation in each CC is derived from PDCCH TCI state in each CC, and PDCCH TCI state in each CC is derived from *simultaneousTCI-UpdateList1/simultaneousTCI-UpdateList2.* |
| Samsung | 1. Yes. We have same view with Apple for two RRC parameters. |
| Ericsson | Yes, the two RRC parameters can be simultaneously configured. The case with undefined UE behavior is if *enableDefaultBeamPL-ForSRS* is configured, and an explicit update of the *spatialRelationInfo* is performed. |
|  |  |

# Views on Case2

Please share your views for case2 in the following table.

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| --- | --- |
| Questions for view sharing:   1. Do you think it is necessary to refine current specification to “simultaneously configure *enableDefaultBeamPL-ForSRS* and *simultaneousSpatial-UpdatedList1*/*simultaneousSpatial-UpdatedList*” for a UE? 2. If answer to above is no, please clarify your rationale. | |
| Apple | 1. No. 2. In our view, specification change should provide justification. |
| DOCOMO | 1. No, it is not necessary. 2. We don’t see any benefit to support this, compared to the feature we already have (i.e. *enableDefaultBeamPL-ForSRS* + *simultaneousTCI-UpdateList1/ simultaneousTCI-UpdateList2* in section 2)*.* |
| Samsung | 1. No. 2. For changing the SRS default beam, it is enough to use case1 which is already defined in the current spec. |
| Ericsson | 1. No 2. The specification is correct. |
|  |  |

# Conclusion

TBD

# References

**[1]** [R1-2107988](file:///C:\Users\Peng%20SUN\AppData\Local\Docs\R1-2107988.zip) Draft CR on spatial relation update across CCs for SRS vivo