**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.

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| --- |
| 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.
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| 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.*
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# 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.
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| Apple | 1. No.
2. In our view, specification change should provide justification.
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| 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)*.*
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# Conclusion

TBD

# References

**[1]** [R1-2107988](file:///C%3A%5CUsers%5CPeng%20SUN%5CAppData%5CLocal%5CDocs%5CR1-2107988.zip) Draft CR on spatial relation update across CCs for SRS vivo