**3GPP TSG RAN WG1 #118bis R1-240xxxx**

**Hefei, China, October 14th – 18th, 2024**

**Source: Moderator (CATT)**

**Title:** **Summary on SRS PC parameter determination**

**Agenda Item:** **7**

**Document for:** **Decision**

# Introduction

In RAN1#118bis, the following draft CR is submitted on SRS power control parameter determination in unified TCI framework [1]:

R1-2408012 Draft CR on determination of SRS power control parameters in unified TCI framework CATT

This moderator summary aims at collecting the comments from companies regarding the issue in the above draft CR.

# Discussion

In RAN1 #106 e-meeting, the following agreement was achieved on power control parameters determination for SRS not associated with UL or joint TCI state for Rel-17 unified TCI framework.

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| AgreementOn the setting of UL PC parameters except for PL-RS (P0, alpha, closed loop index) for Rel.17 unified TCI framework, the setting of (P0, alpha, closed loop index) for SRS can also be associated with UL or (if applicable) joint TCI state.* If not associated, the setting(s) of (P0, alpha, closed loop index) for SRS per BWP is independent of the UL or (if applicable) joint TCI states

This is only applicable for SRS sets using Rel-17 TCI state to determine their spatial relation. |

According to the agreement, the settings of (P0, alpha, closed loop index) for SRS is determined based on the configurations for SRS per BWP if the power control parameters are not associated with TCI state or the SRS is not followed the unified TCI framework. However, this agreement has not been captured in TS38.213 currently

Also, a few companies comment that if TCI state is not associated with the power control parameters, this should also be adopted for not only SRS, but also for PUSCH and PUCCH as well.

In this case, two questions are raised as follows:

## Q1: Do you agree that the issue raised in the draft CR is valid? If not, what are the comments?

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| **Company** | **Agree or Not Agree** | **Comments** |
| MediaTek |  | To our understanding, the agreement only describes the behavior when UL PC parameters are not included in the joint/UL TCI state. For the case if the SRS doesn’t follow the unified TCI state, it is not relevant to this agreement. Thus, the corresponding draft doesn’t correctly reflect the RAN1 agreement.However, we agree with that current doesn’t reflect that the UE shall determine UL PC parameters from ***ul-PowerControl*** configured in the UL BWP if UL PC parameters are not included in the joint/UL TCI state. Note that this behavior is applicable to PUCCH/PUSCH/SRS. |
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## Q2: If the answer to Q1 is yes, do you agree that this should also be specified for PUSCH/PUCCH？

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| --- | --- | --- |
| **Company** | **Agree or Not Agree** | **Comments** |
| MediaTek |  | We agree with that current doesn’t reflect that the UE shall determine UL PC parameters from ***ul-PowerControl*** configured in the UL BWP if UL PC parameters are not included in the joint/UL TCI state. Note that this behavior is applicable to PUCCH/PUSCH/SRS. |
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# Reference

1. R1-2408012 Draft CR on determination of SRS power control parameters in unified TCI framework CATT