**3GPP TSG RAN WG1 Meeting #109-e R1-22xxxxx**

**e-Meeting, May 9 - 20, 2022**

**Agenda Item: 7.2.6**

**Source: Moderator (Huawei)**

**Title: Summary of [109-e-R16-MIMO-01]**

**Document for: Discussion and Decision**

# Introduction

This documents provides the proposals and summary of discussions of the following email discussion based on [1].

[109-e-R16-MIMO-01] (based on issue MB.1) addressing “triggering offset for aperiodic CMR and IMR for L1-SINR” by May 13 – Yubo (Huawei)

# Discussion

In Rel-15, it was agreed that IMR and CMR are within the same slot to reduce UE complexity and CSI reporting latency, as captured in spec as below:

*Section 5.2.1.5.1 TS 38.214*

*The aperiodic triggering offset of the CSI-IM follows offset of the associated NZP CSI-RS for channel measurement.*

*…*

*If interference measurement is performed on aperiodic NZP CSI-RS, a UE is not expected to be configured with a different aperiodic triggering offset of the NZP CSI-RS for interference measurement from the associated NZP CSI-RS for channel measurement.*

L1-SINR based measurement and report was specified in Rel-16, where aperiodic CMR set and the associated aperiodic IMR (CSI-IM or NZP CSI-RS) set are supported. However, the abovementioned restriction was not discussed for L1-SINR in Rel-16. To remove any potential ambiguity, the following is proposed to clarify that:

***Proposed conclusion: The following in TS 38.214 also applies to L1-SINR.***

* ***The aperiodic triggering offset of the CSI-IM follows offset of the associated NZP CSI-RS for channel measurement.***
* ***If interference measurement is performed on aperiodic NZP CSI-RS, a UE is not expected to be configured with a different aperiodic triggering offset of the NZP CSI-RS for interference measurement from the associated NZP CSI-RS for channel measurement.***

Please input your comments on the proposed conclusion in the following table.

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| --- | --- |
| Companies | Comments |
| Apple | Support the conclusion |
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|  |  |

# Summary

TBD.

# References

1. R1-2204931, Discussion on triggering offset of aperiodic CMR and IMR set for L1-SINR, Huawei, HiSilicon, RAN1#109-e, eMeeting, May, 2022.