**3GPP TSG- RAN WG1 Meeting #104b-e R1-2xxxxxx**

**e-Meeting, April 12th – 20th, 2021**

Agenda Item: 7.2.6

Source: Moderator (Apple Inc.)

Title: Summary on 104bis-e-NR-eMIMO-02

Document for: Discussion/Decision

# Introduction

In this contribution, we provide a summary on 104bis-e-NR-eMIMO-02.

# MB.12

In R1-2103402, Huawei/HiSilicon proposes one TP to define the CPU occupation for L1-SINR computation when *reportQuantity* is set to “none”. Based on the discussion in preparation phase, there could be two alternatives. It looks Alt2 does not require a TP.

***Proposal for discussion: Down-select one of the following alterantives for UE behavior when reportQuantity is set to “none” and higher layer parameter trs-Info is not configured:***

* ***Alt1: UE can measure L1-SINR based on the CSI-RS/CSI-IM/SSB for channel or interference measurement***
* ***Alt2: UE only measures L1-RSRP based on CSI-RS/SSB for channel measurement***

***TP for Atl-1 (38.214)***

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| 5.2.1.6 CSI processing criteria< Unchanged parts are omitted >For a CSI report with *CSI-ReportConfig* with higher layer parameter *reportQuantity* set to 'none' and *CSI-RS-ResourceSet* with higher layer parameter *trs-Info* not configured, the CPU(s) are occupied for a number of OFDM symbols as follows:- A semi-persistent CSI report (excluding an initial semi-persistent CSI report on PUSCH after the PDCCH triggering the report) occupies CPU(s) from the first symbol of the earliest one of each transmission occasion of periodic or semi-persistent CSI-RS/SSB resource for channel measurement for L1-RSRP computation, or periodic or semi-persistent CSI-RS/CSI-IM/SSB resource for channel or interference measurement for L1-SINR computation, until $Z\_{3}^{'}$ symbols after the last symbol of the latest one of the CSI-RS/SSB resource for channel measurement for L1-RSRP computation or periodic or semi-persistent CSI-RS/CSI-IM/SSB resource for channel or interference measurement for L1-SINR computation in each transmission occasion.- An aperiodic CSI report occupies CPU(s) from the first symbol after the PDCCH triggering the CSI report until the last symbol between $Z\_{3}$ symbols after the first symbol after the PDCCH triggering the CSI report and $Z\_{3}^{'}$ symbols after the last symbol of the latest one of each CSI-RS/SSB resource for channel measurement for L1-RSRP computation or each CSI-RS/CSI-IM/SSB resource for channel or interference measurement for L1-SINR computation.where $(Z\_{3},Z\_{3}^{'})$ are defined in the table 5.4-2.< Unchanged parts are omitted > |

**Companies’ views and comments**

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| Company | View |
| Apple | It seems Alt1 is unclear whether UE should measure the RS based on L1-RSRP or L1-SINR, especially for CMR only case. Slightly prefer Alt2. |
| vivo | Prefer Option1, at least for the case when more than one resource settings are configured. UE would assume L1-RSRP based measurement if only one resource setting configured. |

# Editorial CR

The editorial CRs for 38.211 and 38.213 are provided at:

 <https://www.3gpp.org/ftp/tsg_ran/WG1_RL1/TSGR1_104b-e/Inbox/drafts/7.2.6/email#2>

**Companies’ views and comments**

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| Company | View |
| vivo | Supportive |
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