**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)***

|  |
| --- |
| 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 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 symbols after the first symbol after the PDCCH triggering the CSI report and 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 are defined in the table 5.4-2. < Unchanged parts are omitted > |

**Companies’ views and comments**

|  |  |
| --- | --- |
| 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**

|  |  |
| --- | --- |
| Company | View |
| vivo | Supportive |
|  |  |