**3GPP TSG-RAN WG4 Meeting #** **102-e R4-** **220xxxx**

**Electronic Meeting, Feb. 21- Mar 03, 2022**

**Title:** LS on the applicability of mixed numerology on UE capability *maxNumberCSI-RS-RRM-RS-SINR*

**Release:** Rel-17

**Work Item:** [NR\_CSIRS\_L3meas](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=840093)

**Source:** RAN WG4

**To:** RAN WG1 and WG2

**Cc:**

**Contact Person:**

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**1. Overall Description:**

UE capability *maxNumberCSI-RS-RRM-RS-SINR* is defined in TS38.306 as

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***maxNumberCSI-RS-RRM-RS-SINR***  Defines the maximum number of CSI-RS resources for RRM and RS-SINR measurement across all measurement frequencies per slot. If UE supports any of *csi-RSRP-AndRSRQ-MeasWithSSB*, *csi-RSRP-AndRSRQ-MeasWithoutSSB*, and *csi-SINR-Meas*, UE shall report this capability. | UE | CY | No | No |

In RAN4#102-e, RAN4 has discussed the scenario of mixed numerologies across all measurement frequencies, where the corresponding slot duration is not clearly specified depending on the different numerologies. RAN4 concludes that the UE capability of *maxNumberCSI-RS-RRM-RS-SINR* and the related requirements should be specified based on the duration associated with the slot of minimum SCS in case of mixed numerologies.

**2. To RAN WG1 group.**

**ACTION:** RAN4 respectfully asks RAN1 and RAN2 to take RAN4 conclusions in consideration for their work.

**3. Date of Next TSG-RAN WG4 Meetings:**

TSG-RAN4 Meeting #103-e May 16 - 27, 2022 Online

TSG-RAN4 Meeting #104 Aug. 22- 26, 2022 Toulouse, FR