**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, 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 slot duration associated with the 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