**3GPP RAN WG4 Meeting #95-eR4-2009003**

**Electronic meeting, 25th May – 5th June, 2020**

**Title:** LS on CSI-RS based intra-frequency and inter-frequency Measurement definition

**Release:** Release 16

**Work Item:** NR\_CSIRS\_L3meas

**Source:** RAN4

**To:** RAN2

**Cc:** RAN1

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1. **Overall Description:**

RAN4 has discussed the definitions of CSI-RS based intra-frequency and inter-frequency measurements in Rel-16 WI of “RRM requirements for CSI-RS based L3 measurement” and has reached the following conclusion on their definitions:

* + **CSI-RS based intra-frequency measurement:** a measurement is defined as a CSI-RS based intra-frequency measurement provided that:
    - the SCS of CSI-RS resources on the neighbour cell configured for measurement is the same as the SCS of CSI-RS resources on the serving cell configured for measurement, and
    - the CP type of CSI-RS resources on neighbour cell configured for measurement is the same as the CP type of CSI-RS resources on the serving cell configured for measurement, and
  + It is applied for SCS = 60KHz
    - the centre frequency of CSI-RS resources on the neighbour cell configured for measurement is the same as the centre frequency of CSI-RS resource on the serving cell configured for measurement
  + **CSI-RS based inter-frequency measurement:** a measurement is defined as a CSI-RS based inter-frequency measurement if it is not a CSI-RS based intra-frequency measurement

**Actions:**

**To RAN WG2:** RAN4 kindly asks RAN2 to take the above conclusions into consideration in future work.

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

TSG RAN WG4 Meeting #96e 24-28 Aug, 2020, e-meeting

TSG RAN WG4 Meeting #96-ebis 26 Oct - 13 Nov, 2020, e-meeting