3GPP TSG-RAN WG4 Meeting # 102-e draft R4-2207273

Electronic Meeting, 21 Feb – 03 Mar, 2022

Title: LS to ETSI TC RT on the interferer signal definition for the RMR900 BS Rx blocking requirement

Response to: -

Release: Rel-17

Work Item: NR\_RAIL\_EU\_900MHz

Source: 3GPP RAN WG4

To: ETSI TC RT

Cc: 3GPP TSG RAN

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**Send any reply LS to: 3GPP Liaisons Coordinator, mailto:3GPPLiaison@etsi.org**

Attachments: -

**1. Overall Description:**

In relation to the ongoing Work Item on introduction of Rail Mobile Radio 900MHz NR band for Europe (NR\_RAIL\_EU\_900MHz; WID in RP-211495), 3GPP RAN WG4 would like to ask ETSI TC RT for the guidance on one issue remaining to be concluded on the BS Rx blocking requirement, i.e. the missing characteristic of the interfering signal.

As per ECC Decision (20)02, Table 7 (Requirements on wideband RMR BS receiver characteristics) the following was captured:

*It is up to ETSI to define a relevant interfering signal against which the conformity test would be performed.*

Based on the above, RAN WG4 has concluded that it is out of RAN4 scope to define such interfering signal, and ETSI  TC RT is expected to provide 3GPP RAN WG4 with the related RMR900 interfering signal specification necessary for the conformance testing specifications.

In the meantime, for the purpose of timely completion of the Core requirements 3GPP RAN WG4 will capture the interfering signal as general as “*SRD, 200kHz bandwidth, 500 mW*”, with the interfering signal RAT being left for further clarifications Q2 2022.

**2. Actions:**

**To ETSI TC RT:**

**ACTION:** RAN WG4 kindly asks ETSI TC RT to take the above information into account, and to provide the interferer signal characteristics in accordance to ECC Decision (20)02 necessary for the RMR900 BS receiver blocking in the corresponding 3GPP technical specifications.

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

RAN WG4 Meeting #103-e 16th – 27th May 2022 Online meeting

RAN WG4 Meeting #104 22th – 26th August 2021 Toulouse, FR