**3GPP TSG-RAN WG4 Meeting #101-e *R4-22xxxxx***

**Electronic Meeting, 15 – 26 August, 2022**

**Title: LS on work towards two new recommendations "Generic unwanted emission characteristics of base stations/mobile stations using the terrestrial radio interfaces of IMT-2020"**

**Response to: LS R4-2119596 on work towards two new recommendations "Generic unwanted emission characteristics of base stations/mobile stations using the terrestrial radio interfaces of IMT-2020" from ITU-R Working Party 5D**

**Release: -**

**Work Item: -**

**Source:** **RAN WG4**

**To:** **TSG RAN**

**Cc: RAN WG5**

**Contact person: Johan Sköld**

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

**Attachments:** Annex Generic unwanted emission characteristics of base stations for 3GPP 5G-RIT

# 1 Overall description

In the LS from ITU-R WP5D in R4-2119596, the group *“kindly invite the Proponents of IMT-2020 to provide relevant materials for these new Recommendations consistent with the Recommendation ITU-R M.2150”*. This LS gives a response for 3GPP 5G-RIT concerning Generic unwanted emission characteristics of base stations using the terrestrial radio interfaces of IMT-2020 including information on the requirement reference point (e.g. power at antenna connector or TRP).

Attached to the LS is a proposed Annex for Generic unwanted emission characteristics of base stations for 3GPP 5G-RIT. The following 3GPP specifications are used as reference:

* Operating bands (1): [3GPP TS 38.104 V17.6.0 (2022-06)](https://www.3gpp.org/ftp/Specs/archive/38_series/38.104/38104-h60.zip), “3rd Generation Partnership Project; Technical Specification Group Radio Access Network; NR; Base Station (BS) radio transmission and reception (Release 17)”
* Conducted requirements (3): [3GPP TS 38.141-1 V17.6.0 (2022-06)](https://www.3gpp.org/ftp/Specs/archive/38_series/38.141-1/38141-1-h60.zip), “3rd Generation Partnership Project; Technical Specification Group Radio Access Network; NR; Base Station (BS) conformance testing Part 1: Conducted conformance testing (Release 17)”.
* Radiated requirements (4): [3GPP TS 38.141-2 V17.6.0 (2022-06)](https://www.3gpp.org/ftp/Specs/archive/38_series/38.141-2/38141-2-h60.zip), “3rd Generation Partnership Project; Technical Specification Group Radio Access Network; NR; Base Station (BS) conformance testing Part 2: Radiated conformance testing (Release 17)”.)”

# 2 Actions

**To TSG RAN**

**ACTION:** RAN WG4 asks TSG RAN to take the above information and the attached Annex for Generic unwanted emission characteristics into account when drafting the LS response to ITU‑R WP5D.

# 3 Dates of next TSG RAN WG4 meetings

TSG-RAN4 Meeting #104-bis-e 10 – 19 October, 2022 Online

TSG-RAN4 Meeting #105 14 – 18 November, 2022 Canada

TSG-RAN4 Meeting #106 27 February – 3 March, 2023 Athens, Greece