**3GPP TSG-RAN WG4 Meeting #101-e *R4-2120660***

**Electronic Meeting, 1 – 12 November, 2021**

**Title: LS on Revision of Recommendations ITU-R M.2070 and ITU-R M.2071 on Unwanted Emissions of IMT-Advanced**

**Response to: LS RP-210747 on Revision of Recommendations ITU-R M.2070 and ITU-R M.2071 on Unwanted Emissions of IMT-Advanced from ITU-R Working Party 5D**

**Release: -**

**Work Item: -**

**Source: RAN WG4**

**To: TSG RAN**

**Cc: -**

**Contact person: Johan Sköld**

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

**Attachments:** Update of M.2070 (Annex 1)

# 1 Overall description

In the LS from ITU-R WP5D in RP-210747, the group *“kindly invite the GCS Proponents of IMT-Advanced for Revision 5 of Recommendation ITU-R M.2012, to provide relevant materials for Recommendations ITU R M.2070 and ITU-R M.2071, consistent with the Revision 5 of Recommendation ITU-R M.2012. The Revision 5 of Recommendation ITU-R M.2012 is planned for completion by WP 5D in October 2021.”* TSG RAN has tasked RAN4 and RAN5 to respond on the updates. At RAN4#100e, RAN4 concluded that not been possible to finalize a complete update of Annex 1 of M.2070 in time for submission to TSG RAN#93-e. The update has now been completed through a joint effort in RAN4.

ITU-R Recommendation M.2070 is based on information from 3GPP TS 36.141 for E-UTRA BS and TS 37.141 for MSR BS. The existing revision 1 of ITU R M.2070 is aligned with ITU-R M.2012-2 and based on TS 36.141/37.141 v12.6.0 (2014-12). The updated unwanted emissions recommendations should therefore be aligned with the coming revision 5 of M.2012, which will be based on the 2021-06 (Rel-16) version of 3GPP specifications (16.10.0 for the respective BS specs).

Attached to the LS is the proposed update of M.2070 (Annex 1), covering E-UTRA BS and MSR BS. The following 3GPP specifications have been used as reference for the update:

* [3GPP TS 36.141 v16.10.0 (2021-06)](https://www.3gpp.org/ftp/Specs/archive/36_series/36.141/36141-ga0.zip), “Evolved Universal Terrestrial Radio Access (E-UTRA); Base Station (BS) conformance testing (Release 16)”
* [3GPP TS 37.141 v16.10.0 (2021-06)](https://www.3gpp.org/ftp/Specs/archive/37_series/37.141/37141-ga0.zip), “NR, E-UTRA, UTRA and GSM/EDGE; Multi-Standard Radio (MSR) Base Station (BS) conformance testing (Release 16)”

All changes compared to ITU-R Recommendation M.2070-1 are given with change marks.

# 2 Actions

**To TSG RAN**

**ACTION:** RAN WG4 asks TSG RAN to take the above information and the Annex with draft updates for ITU-R M.2070 into account when drafting the LS response to ITU‑R WP5D.

# 3 Dates of next TSG RAN WG4 meetings

TSG-RAN4 Meeting #101bis-e January 17 – 25, 2022 Online