**3GPP TSG-RAN5 Meeting #108 *Draft-r2-R5-255347***

**Bengaluru, India, 25th Aug 2025 - 29th Aug 2025**

**Title: Completion of Rel-18 test requirements (including MU/TT) and update of TS 38.561 TRP TRS tests**

**Response to: -**

**Release: Rel-18**

**Work Item: NR\_FR1\_TRP\_TRS\_enh-UEConTest**

**Source: TSG RAN WG5**

**To: ETSI MSG TFES, GCF CAG, GCF PAG, CTIA OTA WG, CTIA Certification, GSMA TSG-AP, NGMN Alliance, PTCRB Plenary, CCSA TC9 WG1**

**Cc: GCF SG**

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**Attachments:** None

# 1 Overall description

TSG RAN WG5 (RAN5) would like to inform the industry on the successful completion of the Release 18 UE conformance test work item on NR FR1 TRP TRS Enhancements

Please note that RAN5 initiated a Rel-18 Work Item on NR FR1 TRP TRS Enhancements at the May 2024 RAN5#103 meeting. At the RAN#108 meeting in June 2025, 3GPP successfully concluded the Rel-18 Conformance Test Work by updating the TS 38.561 with conformance test requirements covering the following scope:

* Browsing mode (testing with Hand Phantom only) for additional bands n1 and n28
* Talk Mode (Head and Hand Phantom) for n1, n28, n41, n78.

RAN5 has specified the UE conformance test procedures, associated permitted test methods, test requirements (including MU and test tolerances) in the published Technical Specification TS 38.561 [1]. In addition, kindly note the defined conformance test requirements cover handheld devices wider than 72mm and narrower than or equal to 92 mm.

3GPP TSG RAN WG5 (RAN5) respectfully asks all the standardization and certification bodies to take into consideration the completed Release 18 5G NR FR1 OTA UE conformance test requirements (including MU and TT) which are now completely defined in TS 38.561 [1].

# 2 Actions

**To** **all the OTA standardization and certification bodies:**

**ACTION:** 3GPP TSG RAN WG5 (RAN5) respectfully asks all the standardization and certification bodies to take into consideration the completed Release 18 5G NR FR1 OTA UE conformance test requirements defined in TS 38.561 [1].

# 3 Dates of next TSG-RAN WG5 meetings.

TSG-RAN WG5 Meeting #109 17th – 21st Nov 2025 Dallas, USA

TSG-RAN WG5 Meeting #110 9th – 13th Feb 2026 Stor-Göteborg, Sweden

# 4 References

1. 3GPP TS 38.561, NR; User Equipment (UE) conformance specification; UE TRP (Total Radiated Power) and TRS (Total Radiated Sensitivity) requirements and test methodologies for FR1 (NR SA and EN-DC)

<https://www.3gpp.org/ftp/Specs/archive/38_series/38.561/38561-i30.zip>

[2] RP-251502, “Revised WID for UE Conformance: Enhancement of UE TRP (Total Radiated Power) and TRS (Total Radiated Sensitivity) requirements and test methodologies for FR1 (NR SA and EN-DC)”, Apple, Rohde & Schwarz, Vivo, 3GPP TSG RAN Meeting 108, 9th June - 13th, June 2025, Prague, Czech Republic