**3GPP TSG-RAN WG4 Meeting #102-e R4-2207322  
Electronic Meeting,** **21st Feb. – 03rd Mar., 2022**

**Agenda item: 10.2.3.2**

**Source: OPPO**

**Title: TP to TS 38.161 on Annex A: Test methodology**

**Document for: Approval**

# 1 Introduction

As previously discussed [1], the Annex A: Test methodology of TS 38.161 will capture the normative information. This paper provides the text proposal to TS 38.161 Annex A Test methodology which are captured from TR 38.834.

# References

[1] R4-2120727 Summary\_326\_2nd\_round

[2] 3GPP TR 38.834 v0.3.0

# Text Proposal

**<TP for TS 38.161>**

Annex A (normative):  
Test methodology

*<Editor’s note: normative information of test methods, e.g., test configuration, minimum range length, antenna setting. Detailed structure of the subclause is TBD >*

## A.1 Test configuration

### A.1.1 TRP Test configuration

For Standalone, the NR System Simulator (SS) and DUT shall be configured per TS 38.521-1 [5], section 6.2.1 (UE maximum output power) using the default settings specified in TS 38.521-1 [5] and TS 38.508-1 [7] as applicable. The measurement should be carried out based on the detailed test parameters for each band, as defined in TR 38.834 Table 4.3.3-1.

For EN-DC, the SS and DUT shall be configured per TS 38.521-3 [6], Section 6.2B.1 (UE Maximum Output Power for EN-DC) using the default settings specified in TS 38.521-3 [6] and TS 38.508 [7] as applicable. The measurement should be carried out based on the detailed test parameters for each band, as defined in TR 38.834 Table 4.3.3-3. The UL output power of LTE carrier should be set as a constant power of 10dBm, while measuring NR at maximum output power, i.e., with fixed p-MaxEUTRA-r15=10 dBm, and p-NR-FR1 not configured.

### A.1.2 TRS Test configuration

For Standalone, the NR System Simulator (SS) and DUT shall be configured per section 7.3.2 (Reference sensitivity power level) of TS 38.521-1 [5] using the defaults specified in TS 38.521-1 [5] and TS 38.508-1 [7] as applicable. The measurement should be carried out based on the detailed test parameters for each band, as defined in TR 38.834 Table 4.3.3-2.

For EN-DC, the EN-DC SS and DUT shall be configured per section 7.3B.2 (Reference Sensitivity for EN-DC) of TS 38.521-3 [6], using the defaults specified in TS 38.521-3 [6] and TS 38.508 [7], as applicable. The measurement should be carried out based on the detailed test parameters for each band, as defined in TR 38.834 Table 4.3.3-3. The UL power configuration for LTE and NR is 50%-50% power splitting, i.e.,

- For PC3, p-MaxEUTRA-r15=20 dBm, and p-NR-FR1= 20dBm;

- For PC2, p-MaxEUTRA-r15=23 dBm, and p-NR-FR1= 23dBm.

**<End of TP >**