



# TEST REPORT

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Report Number: 2504Y26988E-RF-00A  
FCC ID: Q5ETD60

## Test Standard (s)

FCC PART 15.247

## Sample Description

Product Name: Dual-mode Portable Radio  
Model No.: TD60, TD66  
Trade Mark:  ,   
Date Received: 2025-10-16  
Report Date: 2026-02-05

|              |                                            |
|--------------|--------------------------------------------|
| Test Result: | The EUT complied with the standards above. |
|--------------|--------------------------------------------|

## Prepared and Checked By:



Roger Ling  
EMC Engineer

## Approved By:



Bob.Liao  
EMC Engineer

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DOCUMENT REVISION HISTORY

| Revision Number | Report Number      | Description of Revision | Date of Revision |
|-----------------|--------------------|-------------------------|------------------|
| Rev.00          | 2504Y26988E-RF-00A | Original Report         | 2026-02-05       |

GENERAL INFORMATION

Product Description for Equipment under Test (EUT)

|                                                                                                                                                                                   |                                                                                          |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| Product Name                                                                                                                                                                      | Dual-mode Portable Radio                                                                 |
| Tested Model                                                                                                                                                                      | TD60                                                                                     |
| Multiple Model                                                                                                                                                                    | TD66                                                                                     |
| Voltage Range <sup>#</sup>                                                                                                                                                        | DC 12V from adapter<br>DC 8.7V from desktop charger<br>DC 7.6V from rechargeable battery |
| Desktop Charger Information <sup>#</sup>                                                                                                                                          | Model:KBC-TD60-1Q<br>Input: 12.0V === 1000mA<br>Output: 8.7V === 1000mA                  |
| Adapter Information <sup>#</sup><br>(For Desktop Charger)                                                                                                                         | Model:TPQ-236A120100UW01<br>Input:100-240 V~ 50/60Hz 0.4A<br>Output:12.0V === 1.0A       |
| Model Difference <sup>#</sup> : The differences between the two models are: model name and keyboard. Please refer to DOS letter <sup>#</sup> and EUT External Photos for details. |                                                                                          |

|                                    |                                                                                                                               |
|------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| Frequency Range                    | Bluetooth: 2402-2480MHz                                                                                                       |
| Maximum Output Power <sup>#</sup>  | 8.14dBm(It is quoted from the module report: FR741007A <sup>#</sup> )                                                         |
| Modulation Technique               | BDR: DH1/DH3/DH5(GFSK)<br>EDR: 2DH1/2DH3/2DH5( $\pi$ /4-DQPSK)<br>EDR: 3DH1/3DH3/3DH5(8DPSK)                                  |
| Antenna Specification <sup>#</sup> | Internal Antenna, Gain: 0.43 dBi (It is provided by the applicant.)                                                           |
| Sample Serial Number               | Model TD60:3BA3-1 (CE&RSE Test), 3BA3-2 (RF Conducted Test)<br>Model TD66:3BA2-2 (CE&RSE Test)<br>(Assigned by ATC, Shenzhen) |
| Sample/EUT Status                  | Good condition                                                                                                                |

Objective

This test report is in accordance with Part 2-Subpart J, Part 15-Subparts A and C of the Federal Communication Commission rules.

The tests were performed in order to determine compliance with FCC Part 15, Subpart C, and section 15.203, 15.205, 15.207, 15.209 and 15.247 rules.

Test Methodology

All measurements contained in this report were conducted with ANSI C63.10-2020+Cor. 1-2023+ C63.10a-2024+Errata to C63.10a-2024▲, American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices, KDB 558074 D01 15.247 Meas Guidance v05r02.

Unless otherwise stated there are no any additions to, deviations, or exclusions from the method.

Test Facility

The test site used by Shenzhen Accurate Technology Co., Ltd. to collect test data is located on the Floor 1, KuMaKe Building, Dongzhou Community, Guangming Street, Guangming District, Shenzhen, Guangdong, China.

Accredited by American Association for Laboratory Accreditation (A2LA).The Certificate Number is 4297.01.

Measurement Uncertainty

| Parameter                          |                 | Uncertainty            |
|------------------------------------|-----------------|------------------------|
| Occupied Channel Bandwidth         |                 | 5 %                    |
| RF Frequency                       |                 | 0.064*10 <sup>-7</sup> |
| RF output power, conducted         |                 | 0.3 dB                 |
| Unwanted Emission, conducted       |                 | 1.2 dB                 |
| AC Power Lines Conducted Emissions |                 | 2.7 dB                 |
| Radiated<br>Spurious<br>Emissions  | 9kHz - 30MHz    | 2.1 dB                 |
|                                    | 30MHz - 1GHz    | 4.3 dB                 |
|                                    | 1GHz - 18GHz    | 4.9 dB                 |
|                                    | 18GHz - 26.5GHz | 5.2 dB                 |
| Temperature                        |                 | 1 °C                   |
| Humidity                           |                 | 7 %                    |
| Supply voltages                    |                 | 0.4 %                  |

*Note: The extended uncertainty given in this report is obtained by combining the standard uncertainty times the coverage factor K with the 95% confidence interval. Otherwise required by the applicant or Product Regulations, Decision Rule in this report did not consider the uncertainty.*

## SYSTEM TEST CONFIGURATION

### Description of Test Configuration

The system was configured for testing in a typical fashion (as normally used by a typical user).

For Bluetooth BDR&EDR mode, 79 channels are provided to testing:

| Channel | Freq. (MHz) | Channel | Freq. (MHz) | Channel | Freq. (MHz) | Channel | Freq. (MHz) |
|---------|-------------|---------|-------------|---------|-------------|---------|-------------|
| 0       | 2402        | 20      | 2422        | 40      | 2442        | 60      | 2462        |
| 1       | 2403        | 21      | 2423        | 41      | 2443        | 61      | 2463        |
| 2       | 2404        | 22      | 2424        | 42      | 2444        | 62      | 2464        |
| ...     | ...         | ...     | ...         | ...     | ...         | ...     | ...         |
| ...     | ...         | ...     | ...         | ...     | ...         | ...     | ...         |
| 17      | 2419        | 37      | 2439        | 57      | 2459        | 77      | 2479        |
| 18      | 2420        | 38      | 2440        | 58      | 2460        | 78      | 2480        |
| 19      | 2421        | 39      | 2441        | 59      | 2461        | /       | /           |

EUT was tested with Channel 0, 39 and 78.

#### Test Mode

Test Mode 1: Charging by Desktop Charger(TD60) + Transmitting

Test Mode 2: Charging by Adapter(TD60) + Transmitting

Test Mode 3: Charging by Desktop Charger(TD66) + Transmitting

Test Mode 4: Charging by Adapter(TD66) + Transmitting

Note 1: The device has two charging methods: adapter charging and dock charging. This report evaluates and tests both charging methods for AC Line Conducted Emissions and Radiated Spurious Emissions(Below 1GHz).

Note 2: The two models have different casings. The applicant provided model TD60 for all tests and model TD66 for some evaluation tests.

### EUT Exercise Software and Power Level<sup>#</sup>

|                    |         |
|--------------------|---------|
| Exercise Software: | QRCT3   |
| Power Level:       | Default |

Note: The information in the above table is provided by the applicant.

### Special Accessories

No special accessory.

### Equipment Modifications

No modification was made to the EUT tested.

Support Equipment List and Details

| Manufacturer | Description | Model         | Serial Number |
|--------------|-------------|---------------|---------------|
| Unknown      | Earphone    | Unknown       | Unknown       |
| Unknown      | Adapter 2   | HJ-0502002-US | Unknown       |

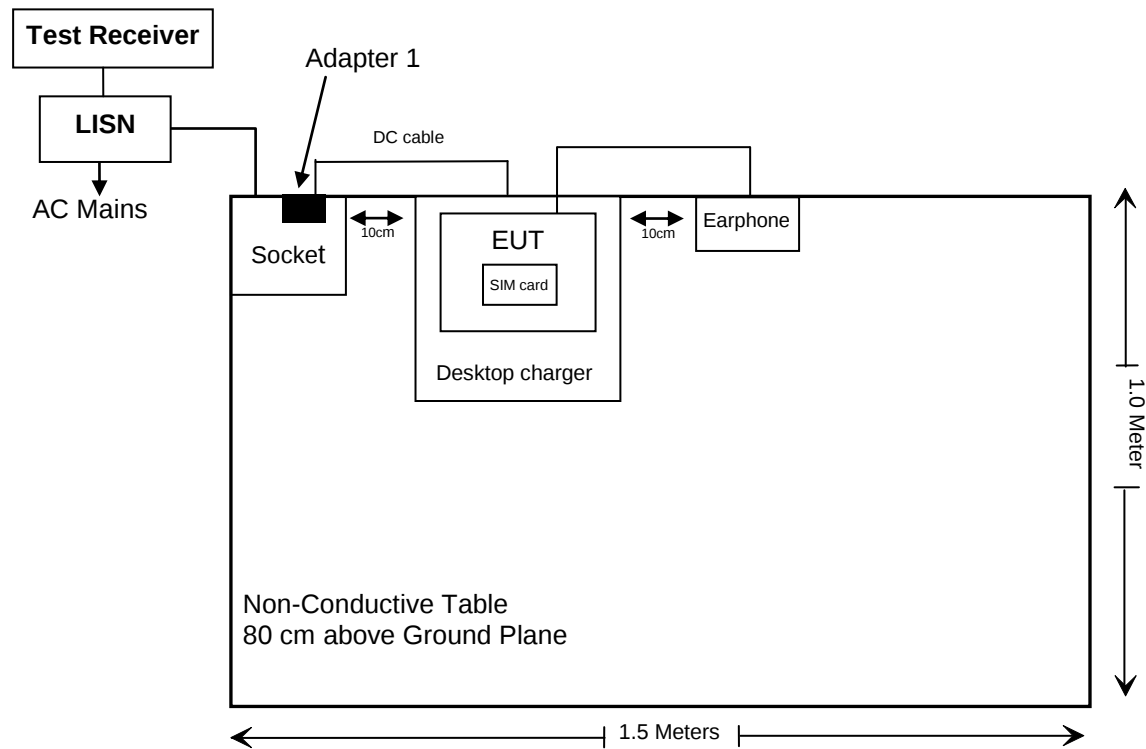
External I/O Cable

| Cable Description | Shielding Type | Length (m) | From Port | To              |
|-------------------|----------------|------------|-----------|-----------------|
| DC Cable          | No             | 1.5        | Adapter 1 | Desktop charger |
| Earphone Cable    | No             | 1.9        | EUT       | Earphone        |
| DC Cable          | No             | 1.0        | Adapter 2 | EUT             |

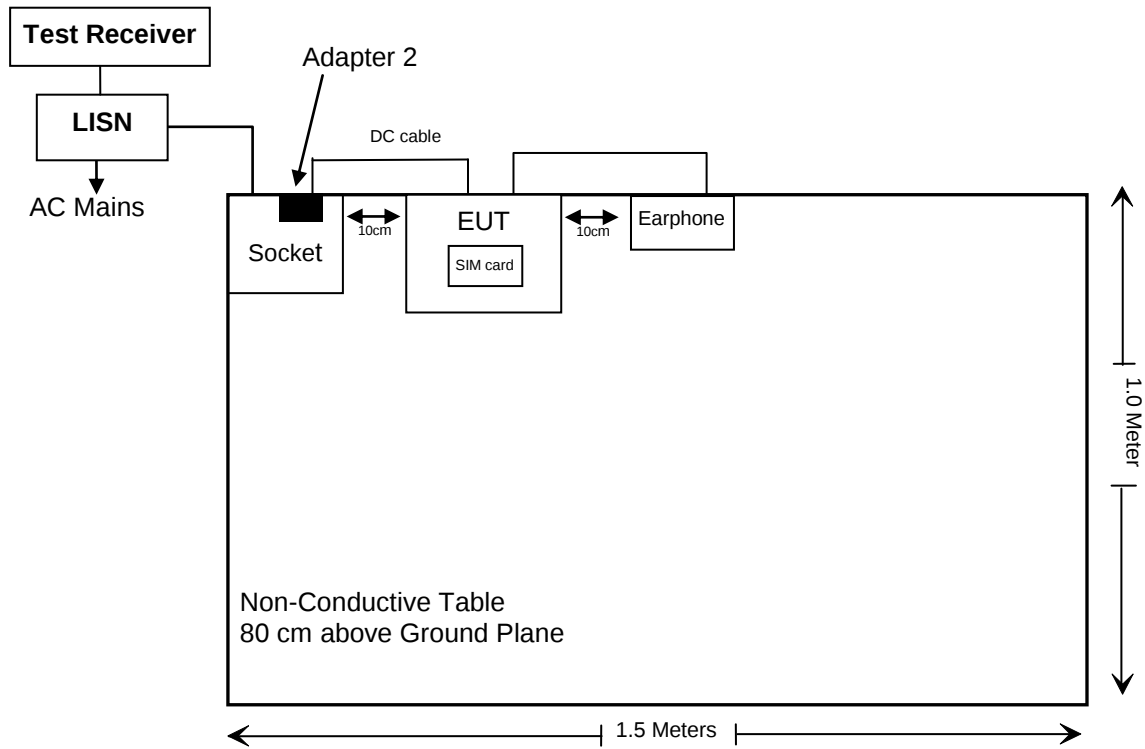
Block Diagram of Test Setup

For Conducted Emission:

Test Model 1&3

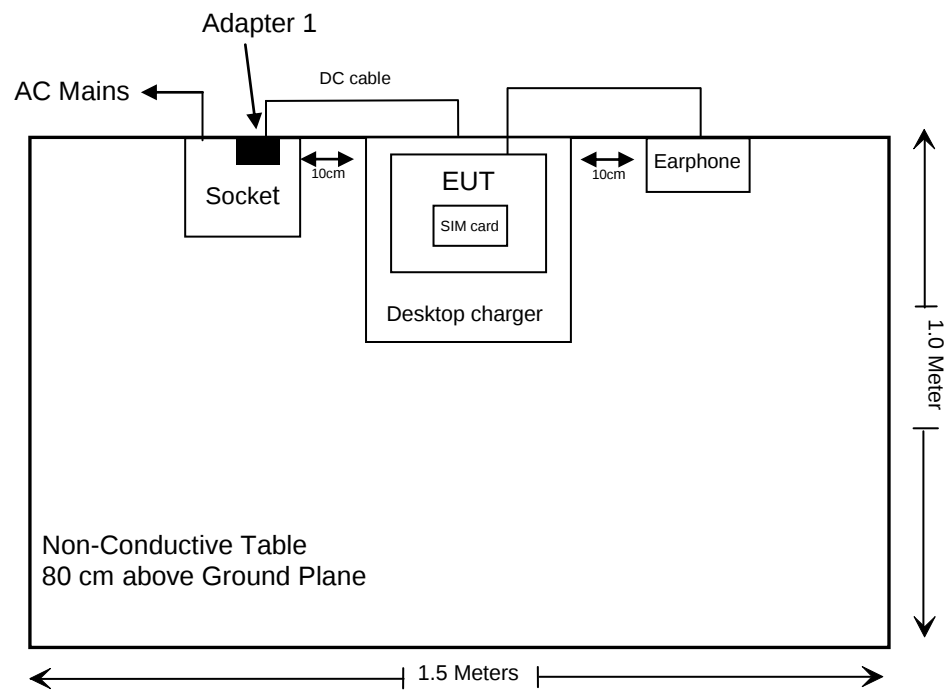


Test Model 2&4

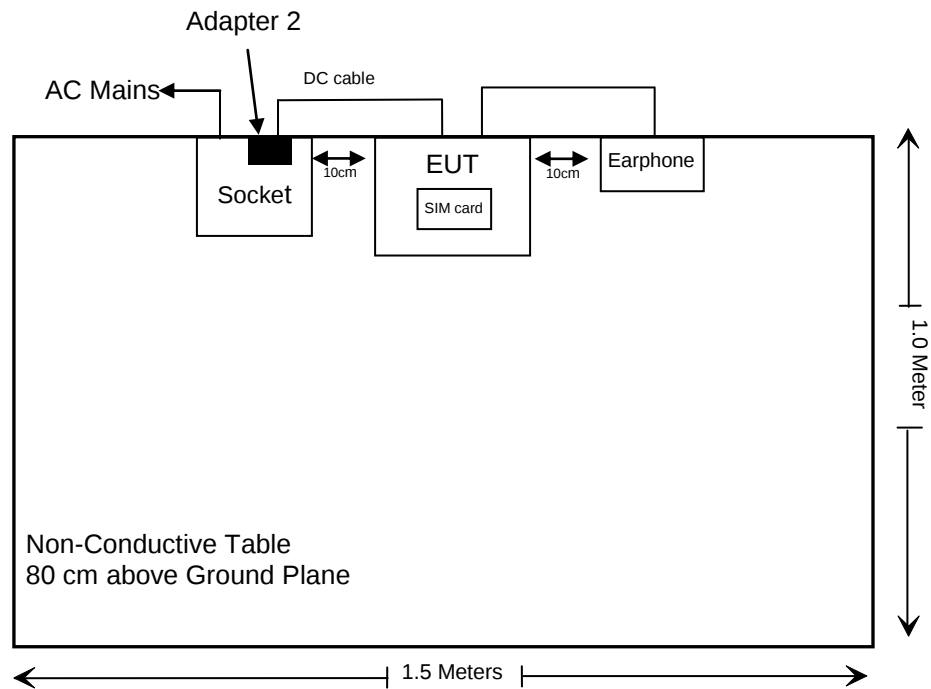


For Radiated Emission(Below 1GHz):

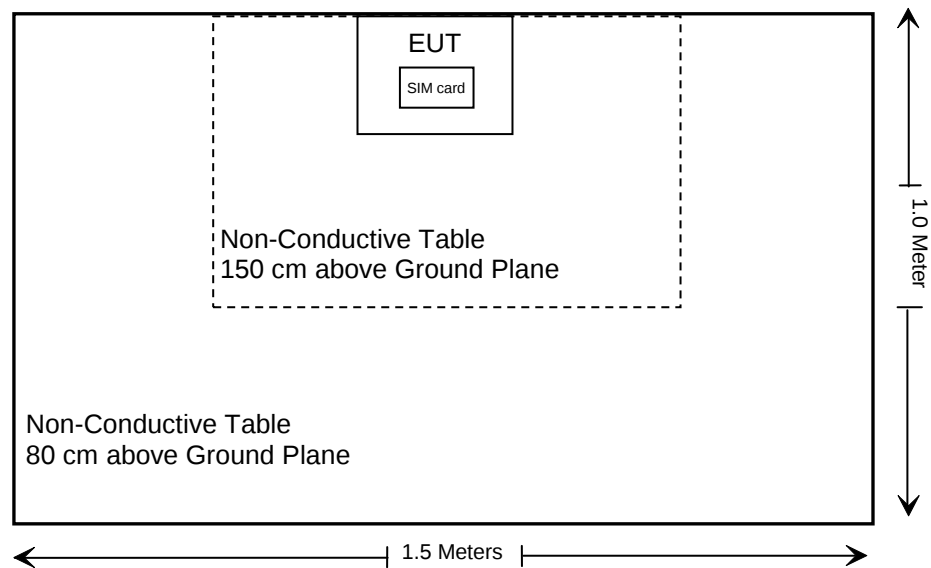
Test Model 1&3



Test Model 2&4



For Radiated Emission(Above 1GHz):



## SUMMARY OF TEST RESULTS

| FCC Rules                        | Description of Test                                     | Result      | Remark     |
|----------------------------------|---------------------------------------------------------|-------------|------------|
| §2.1093                          | RF Exposure(SAR)                                        | Compliance  | /          |
| §15.203                          | Antenna Requirement                                     | Compliance  | /          |
| §15.207(a)                       | AC Line Conducted Emissions                             | Compliance  | /          |
| §15.205<br>§15.209<br>§15.247(d) | Radiated Spurious Emissions                             | Compliance  | /          |
| §15.247(a)(1)                    | 20dB Emission Bandwidth<br>& 99% Occupied Bandwidth     | Compliance* | See note 1 |
| §15.247(a)(1)                    | Channel Separation Test                                 | Compliance* | See note 1 |
| §15.247(a)(1)(iii)               | Time of Occupancy (Dwell Time)                          | Compliance* | See note 1 |
| §15.247(a)(1)(iii)               | Quantity of Hopping Channel Test                        | Compliance* | See note 1 |
| §15.247(b)(1)                    | Maximum Conducted Output Power                          | Reporting   | See note 1 |
| §15.247(d)                       | Conducted Spurious Emissions<br>(Out of Band Emissions) | Compliance  | /          |

Note 1: The device built in a certified module(model:SC20-A<sup>#</sup>, FCC ID: XMR201706SC20A<sup>#</sup>, Date of Grant: 08/14/2017), per spot check, the RF parameters are identical with the module report, therefore, the RF conducted test items please refer to the module report: FR741007A<sup>#</sup>.(According to KDB 996369 D02 Module Q&A v02r02, Answer 1 b.)

**TEST EQUIPMENT LIST**

| Manufacturer                                       | Description                       | Model           | Serial Number | Calibration Date | Calibration Due Date |
|----------------------------------------------------|-----------------------------------|-----------------|---------------|------------------|----------------------|
| <b>Conducted Emissions Test</b>                    |                                   |                 |               |                  |                      |
| Rohde & Schwarz                                    | EMI Test Receiver                 | ESCI            | 100784        | 2025/09/17       | 2026/09/16           |
| Rohde & Schwarz                                    | L.I.S.N.                          | ENV216          | 101314        | 2025/09/17       | 2026/09/16           |
| Anritsu Corp                                       | 50 Coaxial Switch                 | MP59B           | 6100237248    | 2025/09/18       | 2026/09/17           |
| Rohde & Schwarz                                    | Pulse Limiter                     | ESH3-Z2         | 100312        | 2025/05/30       | 2026/05/29           |
| Unknown                                            | RF Coaxial Cable                  | No.17           | N0350         | 2025/05/30       | 2026/05/29           |
| Test Software: e3 191218 (V9)                      |                                   |                 |               |                  |                      |
| <b>Radiated Spurious Emission Test(Below 1GHz)</b> |                                   |                 |               |                  |                      |
| Rohde & Schwarz                                    | Test Receiver                     | ESR             | 102725        | 2025/09/18       | 2026/09/17           |
| SONOMA INSTRUMENT                                  | Amplifier                         | 310N            | 186131        | 2025/03/26       | 2026/03/25           |
| Schwarzbeck                                        | Bilog Antenna                     | VULB9163        | 9163-323      | 2024/08/08       | 2027/08/07           |
| Unknown                                            | RF Coaxial Cable                  | No.12           | N040          | 2025/05/30       | 2026/05/29           |
| Unknown                                            | RF Coaxial Cable                  | No.13           | N300          | 2025/05/30       | 2026/05/29           |
| Unknown                                            | RF Coaxial Cable                  | No.14           | N800          | 2025/05/30       | 2026/05/29           |
| BACL                                               | LOOP ANTENNA                      | 1313-1A         | 3110711       | 2024/01/16       | 2027/01/15           |
| Test Software: e3 191218 (V9)                      |                                   |                 |               |                  |                      |
| <b>Radiated Spurious Emission Test(Above 1GHz)</b> |                                   |                 |               |                  |                      |
| Rohde & Schwarz                                    | Spectrum Analyzer                 | FSV40           | 101949        | 2025/09/17       | 2026/09/16           |
| Decentest                                          | Filter Switch Unit                | DT7220FSU       | DQ77927       | 2025/09/18       | 2026/09/17           |
| Decentest                                          | Multiplex Switch Test Control Set | DT7220CSU       | DQ77924       | 2025/09/18       | 2026/09/17           |
| A.H. Systems, inc.                                 | Preamplifier                      | PAM-0118        | 226           | 2025/03/20       | 2026/03/19           |
| Schwarzbeck                                        | Horn Antenna                      | BBHA9120D       | 837           | 2023/02/22       | 2026/02/21           |
| Unknown                                            | RF Coaxial Cable                  | No.10           | N050          | 2025/05/30       | 2026/05/29           |
| Unknown                                            | RF Coaxial Cable                  | No.11           | N1000         | 2025/05/30       | 2026/05/29           |
| Unknown                                            | RF Coaxial Cable                  | No.19           | N500          | 2025/05/30       | 2026/05/29           |
| Schwarzbeck                                        | HORN ANTENNA                      | BBHA9170        | 9170-359      | 2023/12/12       | 2026/12/11           |
| BACL                                               | Amplifier                         | BACL-1313-A1840 | 4012521       | 2025/05/30       | 2026/05/29           |
| Unknown                                            | RF Coaxial Cable                  | No.15           | N600          | 2025/05/30       | 2026/05/29           |
| Unknown                                            | RF Coaxial Cable                  | No.16           | N650          | 2025/05/30       | 2026/05/29           |
| Test Software: e3 191218 (V9)                      |                                   |                 |               |                  |                      |
| <b>RF Conducted Test</b>                           |                                   |                 |               |                  |                      |
| Rohde & Schwarz                                    | Spectrum Analyzer                 | FSV-40          | 101590        | 2025/09/17       | 2026/09/16           |
| Anritsu                                            | Microwave Peak Power Sensor       | MA24418A        | 12619         | 2025/03/26       | 2026/03/25           |
| WEINSCHTEL                                         | 10dB Attenuator                   | 5324            | AU 3842       | 2025/03/26       | 2026/03/25           |

**\* Statement of Traceability:** Shenzhen Accurate Technology Co., Ltd. attests that all calibrations have been performed in accordance to requirements that traceable to National Primary Standards and International System of Units (SI).

**RF EXPOSURE**

**Applicable Standard**

FCC§1.1310 and §2.1093,

**Measurement Result:** Compliance. Please refer to SAR Report<sup>#</sup>: 2502Y05440E-20A.

## ANTENNA REQUIREMENT

---

### Applicable Standard

According to FCC § 15.203,

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the user of a standard antenna jack or electrical connector is prohibited. The structure and application of the EUT were analyzed to determine compliance with section §15.203 of the rules. §15.203 state that the subject device must meet the following criteria:

- a. Antenna must be permanently attached to the unit.
- b. Antenna must use a unique type of connector to attach to the EUT.
- c. Unit must be professionally installed, and installer shall be responsible for verifying that the correct antenna is employed with the unit.

And according to FCC 47 CFR section 15.247 (b), if the transmitting antennas of directional gain greater than 6dBi are used, the power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

### Antenna Connector Construction

The EUT has one internal antenna arrangement, which was permanently attached. The antenna gain is 0.43 dBi<sup>#</sup>, fulfill the requirement of this section. Please refer to the product photos.

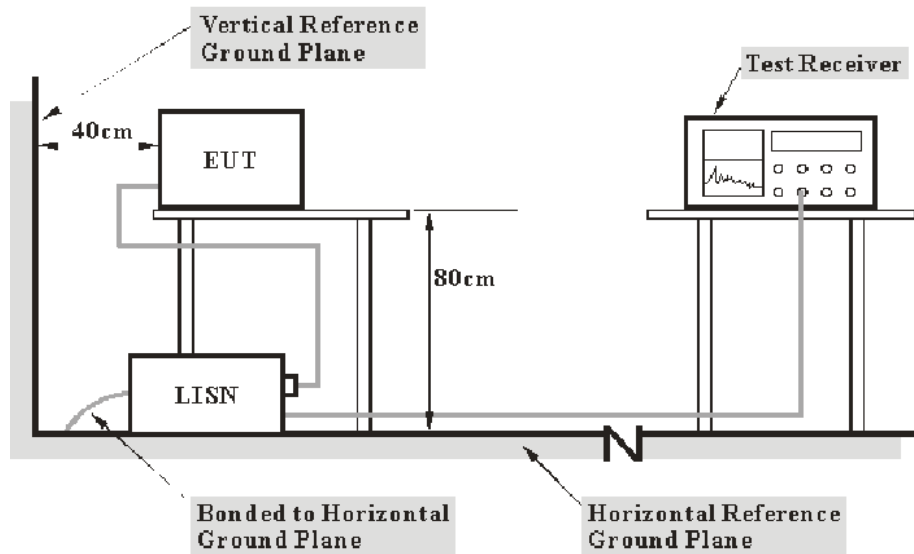
**Result:** Compliance.

## AC LINE CONDUCTED EMISSIONS

### Applicable Standard

FCC §15.207(a)

### EUT Setup



Note: 1. Support units were connected to second LISN.  
2. Both of LISNs (AMN) 80 cm from EUT and at the least 80 cm from other units and other metal planes support units.

The setup of EUT is according with per ANSI C63.10-2020 measurement procedure. The specification used was with the FCC Part 15.207 limits.

The spacing between the peripherals was 10 cm.

### EMI Test Receiver Setup

The EMI test receiver was set to investigate the spectrum from 150 kHz to 30 MHz.

During the conducted emission test, the EMI test receiver was set with the following configurations:

| Frequency Range  | IF B/W |
|------------------|--------|
| 150 kHz – 30 MHz | 9 kHz  |

### Test Procedure

During the conducted emission test, the adapter was connected to the outlet of the LISN.

Maximizing procedure was performed on the six (6) highest emissions of the EUT.

All final data was recorded in the Quasi-peak and average detection mode.

## Calculation

The factor is calculated by adding LISN VDF (Voltage Division Factor) and Cable Loss. The basic equation is as follows:

$$\text{Factor} = \text{LISN VDF} + \text{Cable Loss} + 10\text{dB Attenuation(Limiter)}$$

The “**Over limit**” column of the following data tables indicates the degree of compliance with the applicable limit. For example, an over limit of -7 dB means the emission is 7 dB below the limit. The equation for calculation is as follows:

$$\text{Over Limit} = \text{Level} - \text{Limit}$$

$$\text{Level} = \text{Read Level} + \text{Factor}$$

## Test Data

Please refer to the Attachment of “2504Y26988E-RFA-Appendix A”.

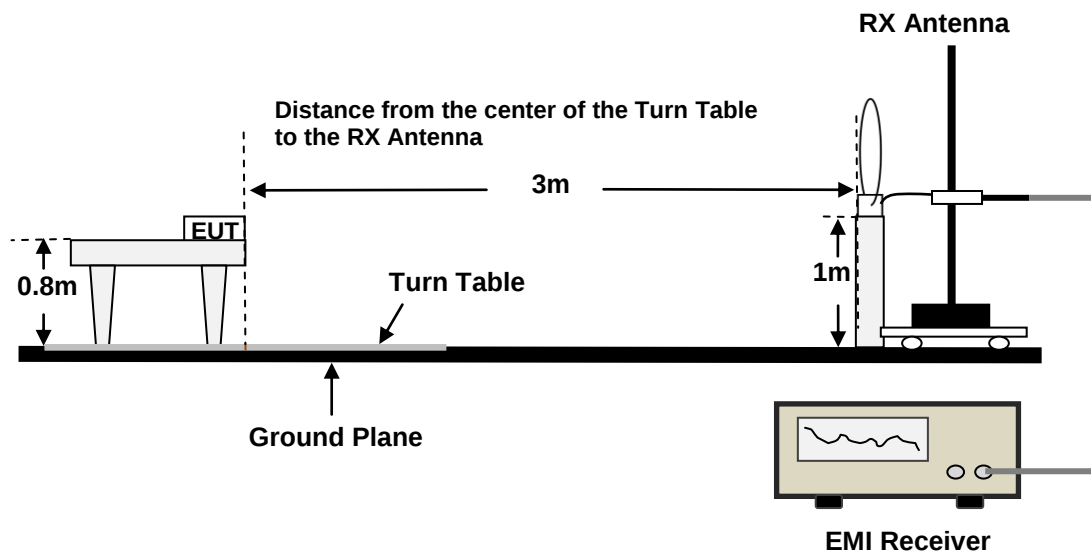
## RADIATED SPURIOUS EMISSIONS

### Applicable Standard

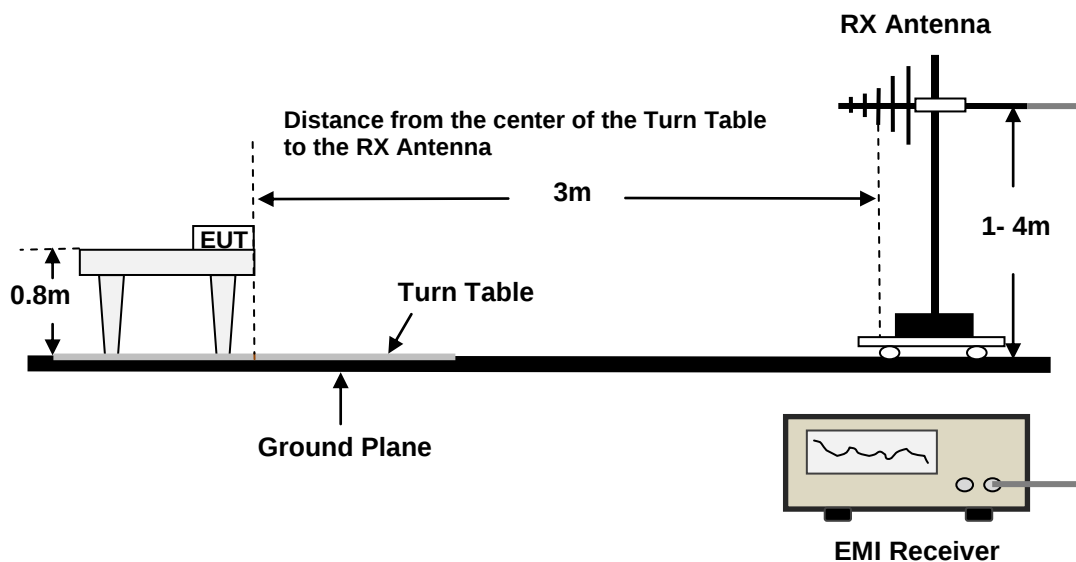
FCC §15.205; §15.209; §15.247(d)

### EUT Setup

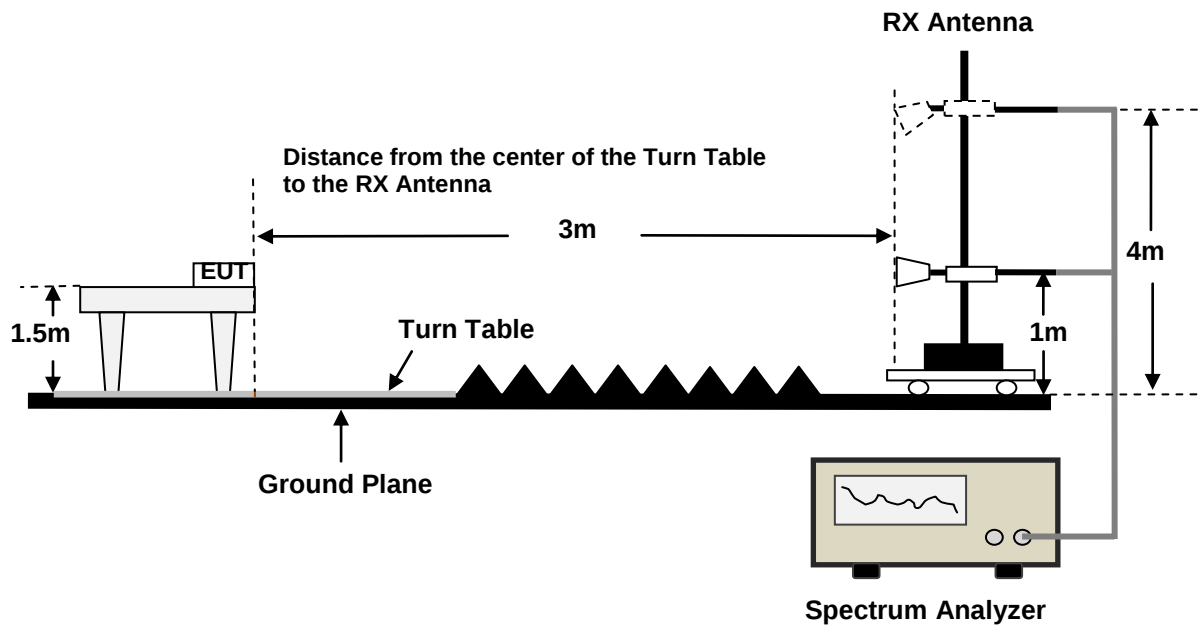
9kHz - 30MHz:



30MHz - 1GHz:



Above 1GHz:



The radiated emission performed in the 3 meters, using the setup accordance with the ANSI C63.10-2020. The specification used was the FCC 15.209, FCC 15.247 limits.

EMI Test Receiver & Spectrum Analyzer Setup

The system was investigated from 9kHz to 25GHz.

During the radiated emission test, the EMI test receiver & Spectrum Analyzer Setup were set with the following configurations:

9kHz - 1000MHz:

| Frequency Range | Measurement | RBW    | Video B/W | IF B/W | Detector |
|-----------------|-------------|--------|-----------|--------|----------|
| 9kHz - 150kHz   | PK          | 0.3kHz | 1kHz      | /      | PK       |
|                 | QP/AV       | /      | /         | 200Hz  | QP/AV    |
| 150kHz - 30MHz  | PK          | 10kHz  | 30kHz     | /      | PK       |
|                 | QP/AV       | /      | /         | 9kHz   | QP/AV    |
| 30MHz - 1000MHz | PK          | 100kHz | 300kHz    | /      | PK       |
|                 | QP          | /      | /         | 120kHz | QP       |

1GHz - 25GHz:

Pre-scan:

| Measurement | Detector | RBW  | Video B/W |
|-------------|----------|------|-----------|
| PK          | Peak     | 1MHz | 3MHz      |
| Ave.        | Peak     | 1MHz | 5kHz      |

Final measurement for emission identified during the pre-scan:

| Measurement | Detector | RBW  | Video B/W |
|-------------|----------|------|-----------|
| PK          | Peak     | 1MHz | 3MHz      |
| Ave.        | Peak     | 1MHz | 10Hz      |

Note 1: The 1GHz-18GHz testing use the notch filter.

Note 2: The band edge testing use 10dB attenuator.

Note 3: The filters and attenuators are all integrated within the filter switch unit.

## Test Procedure

Maximizing procedure was performed on the highest emissions to ensure that the EUT complied with all installation combinations.

The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9–90 kHz, 110–490 kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector.

Note 1: If the maximized peak measured value is under the QP/Average limit by more than 6dB, then it is unnecessary to perform an QP/Average measurement.

Note 2: For above 1GHz, the test result of peak was 20dB below to the limit of peak, which can be compliant to the average limit, so just peak value was recorded.

## Calculation

The Factor is calculated by adding the Antenna Factor and Cable Loss, and subtracting the Amplifier Gain. The basic equation is as follows:

$$\text{Factor} = \text{Antenna Factor} + \text{Cable Loss} - \text{Amplifier Gain}$$

The “**Over Limit/Margin**” column of the following data tables indicates the degree of compliance with the applicable limit. For example, an over limit/margin of -7dB means the emission is 7dB below the limit. The equation for calculation is as follows:

$$\begin{aligned}\text{Over Limit/Margin} &= \text{Level / Corrected Amplitude} - \text{Limit} \\ \text{Level / Corrected Amplitude} &= \text{Read Level} + \text{Factor}\end{aligned}$$

## Test Data

Please refer to the Attachment of “2504Y26988E-RFA-Appendix A”.

## PEAK OUTPUT POWER MEASUREMENT

### Applicable Standard

According to FCC §15.247(b) (1):

For frequency hopping systems operating in the 2400–2483.5 MHz band employing at least 75 on-overlapping hopping channels, and all frequency hopping systems in the 5725-5850 MHz band: 1 watt. And for all other frequency hopping systems in the 2400–2483.5 MHz band: 0.125 watts.

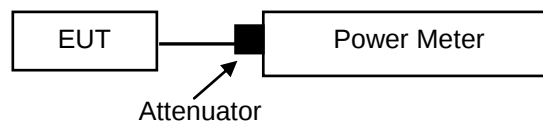
### Test Procedure

According to ANSI C63.10-2020, section 7.8.5

Use the following spectrum analyzer settings:

- Span: Approximately five times the 20 dB bandwidth, centered on a hopping channel.
- RBW > 20 dB bandwidth of the emission being measured.
- VBW  $\geq$  RBW.
- Sweep: No faster than coupled (auto) time.
- Detector function: Peak.
- Trace: Max-hold.
- Allow trace to stabilize.
- Use the marker-to-peak function to set the marker to the peak of the emission.
- The indicated level is the peak output power, after any corrections for external attenuators and cables.

NOTE—A peak responding power meter may be used, where the power meter and sensor system video bandwidth is greater than the occupied bandwidth of the unlicensed wireless device, rather than a spectrum analyzer.



Note: Offset=RF cable loss(0.5dB<sup>#</sup>)+ Attenuator(10dB)

### Test Data

Please refer to the Attachment of “2504Y26988E-RFA-Appendix A” for spot check data.

## CONDUCTED SPURIOUS EMISSIONS

### Applicable Standard

According to FCC §15.247(d):

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in §15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c)).

### Test Procedure

According to ANSI C63.10-2020, section 7.8.7

#### 7.8.7.1 General considerations

To demonstrate compliance with the relative out-of-band emissions requirements conducted spurious emissions shall be measured for the transmit frequencies, per 5.5 and 5.6, and at the maximum transmit powers. Frequency hopping shall be disabled for this test with the exception of measurements at the allocated band-edges which shall be repeated with hopping enabled.

Connect the primary antenna port through an attenuator to the spectrum analyzer input; in the results, account for all losses between the unlicensed wireless device output and the spectrum analyzer. The frequency range of testing shall span 30 MHz to 10 times the operating frequency and this may be done in a single sweep or, to aid resolution, across a number of sweeps. The resolution bandwidth shall be 100 kHz, video bandwidth 300 kHz, and a coupled sweep time with a peak detector.

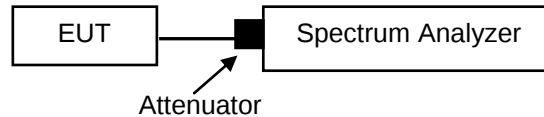
The limit is based on the highest in-band level across all channels measured using the same instrument settings (resolution bandwidth of 100 kHz, video bandwidth of 300 kHz, and a coupled sweep time with a peak detector). To help clearly demonstrate compliance a display line may be set at the required offset (typically 20 dB) below the highest in-band level. Where the highest in-band level is not clearly identified in the out-of-band measurements a separate spectral plot showing the in-band level shall be provided.

When conducted measurements cannot be made (for example a device with integrated, non-removable antenna) radiated measurements shall be used. The reference level for determining the limit shall be established by maximizing the field strength from the highest power channel and measuring using the resolution and video bandwidth settings and peak detector as described above. The field strength limit for spurious emissions outside of restricted-bands shall then be set at the required offset (typically 20 dB) below the highest in-band level. Radiated measurements will follow the standards measurement procedures described in Clause 6 with the exception that the resolution bandwidth shall be 100 kHz, video bandwidth 300 kHz, and a coupled sweep time with a peak detector. Note that use of wider measurement bandwidths are acceptable for measuring the spurious emissions provided that the peak detector is used and that the measured value of spurious emissions are compared to the highest in-band level measured with the 100 kHz / 300 kHz bandwidth settings to determine compliance.

**7.8.7.2 & section 6.10 Band-edges**

- a) Set the center frequency and span to encompass frequency range to be measured.
- b) Set the RBW = 100 kHz.
- c) Set the VBW  $\geq [3 \times \text{RBW}]$ . d) Detector = peak.
- e) Sweep time = auto couple. f) Trace mode = max hold.
- g) Allow trace to fully stabilize.
- h) Use the peak marker function to determine the maximum amplitude level.

Ensure that the amplitude of all unwanted emissions outside of the authorized frequency band (excluding restricted frequency bands) is attenuated by at least the minimum requirements. Report the three highest emissions relative to the limit.



Note: Offset = RF cable loss( $0.5\text{dB}^\# / 3.0\text{dB}^\#$ ) + Attenuator( $10\text{dB}$ )

The cable loss of  $0.5\text{dB}^\#$  has been added into test result, except for test result of frequencies from 30 MHz to 25 GHz, where a maximum cable loss of  $3.0\text{dB}^\#$  has been added.

**Test Data**

Please refer to the Attachment of "2504Y26988E-RFA-Appendix A".

## EXHIBIT A-EUT PHOTOGRAPHS

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Please refer to the Attachment No.1 2504Y26988E-RF EUT External Photos and Attachment No.2 2504Y26988E-RF EUT Internal Photos.

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## EXHIBIT B-TEST SETUP PHOTOGRAPHS

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Please refer to the Attachment No.3 2504Y26988E-RFA Test Photos.

\*\*\*\*\* END OF REPORT \*\*\*\*\*