| | TEST REPOR | Т | | | | | | |
|----------------------------------|--|------------------|----------------|--|--|--|--|--|
| FCC ID : | 2AQRM-G1 | | | | | | | |
| Test Report No: | TCT241217E036 | TCT241217E036 | | | | | | |
| Date of issue: | Feb. 14, 2025 | | | | | | | |
| Testing laboratory: | SHENZHEN TONGCE TESTING | LAB | | | | | | |
| Testing location/ address: | 2101 & 2201, Zhenchang Factory, Renshan Industrial Zone, Fuhai Subdistrict, Bao'an District, Shenzhen, Guangdong, 518103, People's Republic of China | | | | | | | |
| Applicant's name: : | FOXX Development Inc. | | | | | | | |
| Address: | 3480 Preston Ridge Road, Suite | 500, Alpharetta, | GA 30005, USA | | | | | |
| Manufacturer's name : | FOXX Development Inc. | (| | | | | | |
| Address: | 3480 Preston Ridge Road, Suite | 500, Alpharetta, | GA 30005, USA | | | | | |
| Standard(s): | FCC CFR Title 47 Part 15 Subpa FCC KDB 558074 D01 15.247 M ANSI C63.10:2020 | | | | | | | |
| Product Name:: | Smart Phone | | | | | | | |
| Trade Mark: | FOXX, MIRO, FOXXD | (| | | | | | |
| Model/Type reference : | G1 | | | | | | | |
| Rating(s): | Rechargeable Li-ion Battery DC Power Adapter: Model: 805A-018B-1A Input: AC 100-240V, 50/60Hz, 0. Output: DC 5.0V, 3.0A or DC 9.0 | 5A | 2.0V, 1.5A MAX | | | | | |
| Date of receipt of test item | Dec. 17, 2024 | Q | (C) | | | | | |
| Date (s) of performance of test: | Dec. 18, 2024 ~ Feb. 10, 2025 | | | | | | | |
| Tested by (+signature) : | Brews XU Porens Magaz | | | | | | | |
| Check by (+signature) : | Beryl ZHAO | Borge 76 | TCT) | | | | | |
| Approved by (+signature): | Tomsin Tomsin 3 | | | | | | | |

TONGCE TESTING LAB. This document may be altered or revised by SHENZHEN TONGCE TESTING LAB, and shall be noted in the revision section of the document. The test results in the report only apply to the tested sample.

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TCT 通测检测 TESTING CENTRE TECHNOLOGY

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1. General Product Information

1.1. EUT description

| Product Name: | Smart Phone | |
|-----------------------|---|--------------------|
| Model/Type reference: | G1 | |
| Sample Number: | TCT241217E035-0101 | |
| Bluetooth Version: | V5.0 (This report is for BLE) | |
| Operation Frequency: | 2402MHz~2480MHz | |
| Channel Separation: | 2MHz | (\mathbf{c}^{*}) |
| Data Rate: | LE 1M PHY, LE 2M PHY | |
| Number of Channel: | 40 | |
| Modulation Type: | GFSK | |
| Antenna Type: | Inside Antenna | |
| Antenna Gain: | -5.20dBi | |
| Rating(s) | Rechargeable Li-ion Battery DC 3.87V Power Adapter: Model: 805A-018B-1A Input: AC 100-240V, 50/60Hz, 0.5A Output: DC 5.0V, 3.0A or DC 9.0V, 2.0A or DC 12.0V, 1.5 | SA MAX |

Note: The antenna gain listed in this report is provided by applicant, and the test laboratory is not responsible for this parameter.

1.2. Model(s) list

None.

1.3. Operation Frequency

| Channel | Frequency | Channel | Frequency | Channel | Frequency | Channel | Frequency | | |
|---------|--|---------|-----------|---------|-----------|----------|-----------|--|--|
| 0 | 2402MHz | 10 | 2422MHz | 20 | 2442MHz | 30 | 2462MHz | | |
| 1 | 2404MHz | 11 | 2424MHz | 21 | 2444MHz | 31 | 2464MHz | | |
| | 0 | D | 🏹 | | X | <u> </u> | | | |
| 8 | 2418MHz | 18 | 2438MHz | 28 | 2458MHz | 38 | 2478MHz | | |
| 9 | 2420MHz | 19 | 2440MHz | 29 | 2460MHz | 39 | 2480MHz | | |
| Remark: | Remark: Channel 0, 19 & 39 have been tested. | | | | | | | | |

Report No.: TCT241217E036



2. Test Result Summary

| Requirement | CFR 47 Section | Result | | |
|-------------------------------------|---------------------|--------|--|--|
| Antenna requirement | §15.203/§15.247 (c) | PASS | | |
| AC Power Line Conducted Emission | §15.207 | PASS | | |
| Conducted Peak Output Power | §15.247 (b)(3) | PASS | | |
| 6dB Emission Bandwidth | §15.247 (a)(2) | PASS | | |
| Power Spectral Density | §15.247 (e) | PASS | | |
| Band Edge | §15.247(d) | PASS | | |
| Spurious Emission | §15.205/§15.209 | PASS | | |

Note:

- 1. PASS: Test item meets the requirement.
- 2. Fail: Test item does not meet the requirement.
- 3. N/A: Test case does not apply to the test object.
- 4. The test result judgment is decided by the limit of test standard.

3. General Information

3.1. Test environment and mode

| Operating Environment: | | |
|------------------------|-----------------------|-------------------|
| Condition | Conducted Emission | Radiated Emission |
| Temperature: | 24.1 °C | 23.8 °C |
| Humidity: | 47 % RH | 48 % RH |
| Atmospheric Pressure: | 1010 mbar | 1010 mbar |
| Test Software: | | |
| Software Information: | Engineering test tool | |
| Power Level: | 6 | |
| Test Mode: | | |
| | | |

Engineer mode: Keep the EUT in continuous transmitting by select channel and modulations with Fully-charged battery.

The sample was placed 0.8m & 1.5m for the measurement below & above 1GHz above the ground plane of 3m chamber. Measurements in both horizontal and vertical polarities were performed. During the test, each emission was maximized by: having the EUT continuously working, investigated all operating modes, rotated about all 3 axis (X, Y & Z) and considered typical configuration to obtain worst position, manipulating interconnecting cables, rotating the turntable, varying antenna height from 1m to 4m in both horizontal and vertical polarizations. The emissions worst-case (Z axis) are shown in Test Results of the following pages.

3.2. Description of Support Units

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

| Equipment | Model No. | Serial No. | FCC ID | Trade Name |
|--------------|-----------|------------|--------|------------|
| \bigcirc / | | | | 1 |

Note:

- 1. All the equipment/cables were placed in the worst-case configuration to maximize the emission during the test.
- 2. Grounding was established in accordance with the manufacturer's requirements and conditions for the intended use.
- 3. For conducted measurements (Output Power, 6dB Emission Bandwidth, Power Spectral Density, Spurious Emissions), the antenna of EUT is connected to the test equipment via temporary antenna connector, the antenna connector is soldered on the antenna port of EUT, and the temporary antenna connector is listed in the Test Instruments.



4. Facilities and Accreditations

4.1. Facilities

The test facility is recognized, certified, or accredited by the following organizations:

• FCC - Registration No.: 645098

SHENZHEN TONGCE TESTING LAB

Designation Number: CN1205

The testing lab has been registered and fully described in a report with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files.

- IC Registration No.: 10668A
- SHENZHEN TONGCE TESTING LAB
- CAB identifier: CN0031

The testing lab has been registered by Innovation, Science and Economic Development Canada for radio equipment testing.

4.2. Location

SHENZHEN TONGCE TESTING LAB

Address: 2101 & 2201, Zhenchang Factory, Renshan Industrial Zone, Fuhai Subdistrict, Bao'an District, Shenzhen, Guangdong, 518103, People's Republic of China TEL: +86-755-27673339

4.3. Measurement Uncertainty

The reported uncertainty of measurement $y \pm U$, where expended uncertainty U is based on a standard uncertainty multiplied by a coverage factor of k=2, providing a level of confidence of approximately 95 %.

| No. | Item | MU |
|-----|---|-----------|
| 1 | Conducted Emission | ± 3.10 dB |
| 2 | RF power, conducted | ± 0.12 dB |
| 3 | Spurious emissions, conducted | ± 0.11 dB |
| 4 | All emissions, radiated(<1 GHz) | ± 4.56 dB |
| 5 | All emissions, radiated(1 GHz - 18 GHz) | ± 4.22 dB |
| 6 | All emissions, radiated(18 GHz- 40 GHz) | ± 4.36 dB |



5. Test Results and Measurement Data

5.1. Antenna requirement

Standard requirement: FCC Part15 C Section 15.203 /247(c)

15.203 requirement:

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, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

15.247(c) (1)(i) requirement:

(i) Systems operating in the 2400-2483.5 MHz band that is used exclusively for fixed. Point-to-point operations may employ transmitting antennas with directional gain greater than 6dBi provided the maximum conducted output power of the intentional radiator is reduced by 1 dB for every 3 dB that the directional gain of the antenna exceeds 6dBi.

E.U.T Antenna:

The Bluetooth antenna is inside antenna which permanently attached, and the best case gain of the antenna is -5.20dBi.



5.2. Conducted Emission

5.2.1. Test Specification

| Test Method: ANSI C63.10:2020 Frequency Range: 150 kHz to 30 MHz Receiver setup: RBW=9 kHz, VBW=30 kHz, Sweep time=auto Limits: Frequency range Limit (dBuV) (MHz) Quasi-peak Average 0.15-0.5 66 to 56* 56 to 46* 0.5-5 56 46 5-30 60 50 Reference Plane Image: Charging + Transmitting Mode Test Mode: Charging + Transmitting Mode 1. The E.U.T is connected to an adapter through a lin impedance stabilization network (L.I.S.N). Thi provides a 500hm/50uH coupling impedance for th measuring equipment. 2. The peripheral devices are also connected to the mai power through a LISN that provides a 50ohm/50uH coupling impedance with 50hm termination. (Please in the provides a 10 the main power through a ling power through a LISN that provides a 50 cohm/50uH coupling impedance with 50 the termination. | Test Requirement: | FCC Part15 C Section | 15.207 | | | | | | | |
|---|-------------------|---|--|--|--|--|--|--|--|--|
| Frequency Range: 150 kHz to 30 MHz Receiver setup: RBW=9 kHz, VBW=30 kHz, Sweep time=auto Limits: Frequency range Limit (dBuV) (MHz) Quasi-peak Average 0.15-0.5 66 to 56° 56 to 46° 0.5-5 56 46 5-30 60 50 Reference Plane Image: Proceedure: Image: Plane Prest Setup: Image: Plane Image: Plane Image: Plane Image: Plane Plane Image: Plane Image: Plane Image: Plane Image: Plane | - | | ANSI C63.10:2020 | | | | | | | |
| Limits: Frequency range (MHz) Limit (dBuV) Quasi-peak Average 0.15-0.5 66 to 56* 56 to 46* 0.5-5 56 46 5-30 60 50 Reference Plane Image: Colspan="2">Image: Colspan="2" Test Mode: | Frequency Range: | | <u>(</u>) | (\mathcal{C}) | | | | | | |
| Limits: Quasi-peak Average 0.15-0.5 66 to 56* 56 to 46* 0.5-5 56 46 5-30 60 50 Reference Plane Image: Plane Image: Plane Image: Plane Image: Plane Image: Plane Image: Plane Image: Plane Image: Plane Image: | Receiver setup: | RBW=9 kHz, VBW=30 | kHz, Sweep time | e=auto | | | | | | |
| Limits: 0.15-0.5 66 to 56* 56 to 46* 0.5-5 56 46 5-30 60 50 Reference Plane Image: Second Colspan="2">Image: Second Colspan="2">Image: Second Colspan="2">Second Colspan="2">Image: Second Colspan="2">Second Colspan="2" < | | Frequency range | Limit (| dBuV) | | | | | | |
| 0.5-5 56 46 5-30 60 50 Reference Plane 40cm 40cm Fest Setup: Filter - AC power Reference Plane 100cm Filter - AC power | | (MHz) | Quasi-peak | Average | | | | | | |
| 5-30 60 50 Reference Plane 40cm 40cm Fest Setup: Filter - AC power Remark EUT Feagurent Under Test USN Line Impedence Stabilization Network EMI Test Mode: Charging + Transmitting Mode 1. The E.U.T is connected to an adapter through a lin impedance stabilization network (L.I.S.N.). Thi provides a 500hm/50uH coupling impedance for th measuring equipment. 2. The peripheral devices are also connected to the mai power through a LISN that provides a 500hm/50uH coupling impedance for th measuring equipment. 3. The beripheral devices are also connected to the mai power through a LISN that provides a 50ohm/50uH coupling impedance for th measuring equipment. 3. Both sides of A.C. line are checked for maximur conducted interference. In order to find the maximur emission, the relative positions of equipment and all othe interface cables must be changed according to ANSI C63.10:2020 on conducted measurement. | Limits: | 0.15-0.5 | 66 to 56* | 56 to 46* | | | | | | |
| Test Setup: Reference Plane Image: Reference Plane Image: Reference Plane Reference Plane Image: Reference Plane </td <td></td> <td>0.5-5</td> <td>56</td> <td>46</td> | | 0.5-5 | 56 | 46 | | | | | | |
| Test Setup: Image: Test table/Insulation plane 80cm Image: Filter AC power Remark: E.U.T. Equipment Under Test ENT Explorment Under Test ENT Explorment Under Test LISN. Line mappedence Stabilization Network Test Mode: Charging + Transmitting Mode Test Mode: Charging + Transmitting Mode 1. The E.U.T is connected to an adapter through a lin impedance stabilization network (L.I.S.N.). Thi provides a 50ohm/50uH coupling impedance for th measuring equipment. Test Procedure: 2. The peripheral devices are also connected to the mai power through a LISN that provides a 50ohm/50ul coupling impedance with 50ohm termination. (Pleas refer to the block diagram of the test setup an photographs). 3. Both sides of A.C. line are checked for maximur conducted interference. In order to find the maximur emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.10:2020 on conducted measurement. | | 5-30 | 60 | 50 | | | | | | |
| Test Setup: Image: Test table/Insulation plane 80cm isometry isometr | | Reference | e Plane | | | | | | | |
| The E.U.T is connected to an adapter through a lin impedance stabilization network (L.I.S.N.). Thi provides a 500hm/50uH coupling impedance for th measuring equipment. The peripheral devices are also connected to the mai power through a LISN that provides a 500hm/50ul coupling impedance with 500hm termination. (Pleas refer to the block diagram of the test setup an photographs). Both sides of A.C. line are checked for maximur conducted interference. In order to find the maximur emission, the relative positions of equipment and all of the interface cables must be changed according t ANSI C63.10:2020 on conducted measurement. | Test Setup: | E.U.T AC powe Test table/Insulation plane Remark: E.U.T. Equipment Under Test LISN: Line Impedence Stabilization Ne Test table height=0.8m | er Filter Filter EMI Receiver | r – AC power | | | | | | |
| Test Procedure: The peripheral devices are also connected to the main power through a LISN that provides a 500hm/50ull coupling impedance of the test setup and photographs). Both sides of A.C. line are checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.10:2020 on conducted measurement. | Test Mode: | Charging + Transmittin | ng Mode | | | | | | | |
| | Test Procedure: | impedance stabilizing provides a 500hm/5 measuring equipment 2. The peripheral device power through a LI coupling impedance refer to the block photographs). 3. Both sides of A.C. conducted interferer emission, the relative the interface cables | ation network 50uH coupling im nt. ces are also conne SN that provides with 50ohm tern diagram of the line are checkence. In order to fin e positions of equals must be chang | (L.I.S.N.). This pedance for the ected to the mains a 50ohm/50uh nination. (Please test setup and ed for maximum nd the maximum upment and all o ged according to | | | | | | |
| | | | | | | | | | | |

5.2.2. Test Instruments

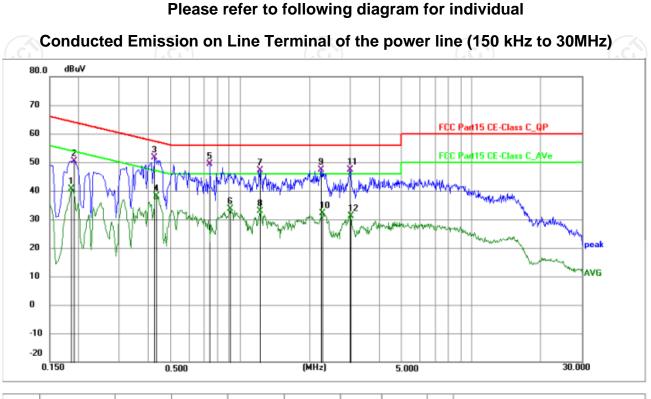
| Conducted Emission Shielding Room Test Site (843) | | | | | | | | | | |
|---|--------------|-----------|---------------|-----------------|--|--|--|--|--|--|
| Equipment | Manufacturer | Model | Serial Number | Calibration Due | | | | | | |
| EMI Test Receiver | R&S | ESCI3 | 100898 | Jun. 26, 2025 | | | | | | |
| LISN | Schwarzbeck | NSLK 8126 | 8126453 | Jan. 20, 2026 | | | | | | |
| Attenuator | N/A | 10dB | 164080 | Jun. 26, 2025 | | | | | | |
| Line-5 | тст | CE-05 | / | Jun. 26, 2025 | | | | | | |
| EMI Test Software | EZ_EMC | EMEC-3A1 | 1.1.4.2 | 1 | | | | | | |



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5.2.3. Test data

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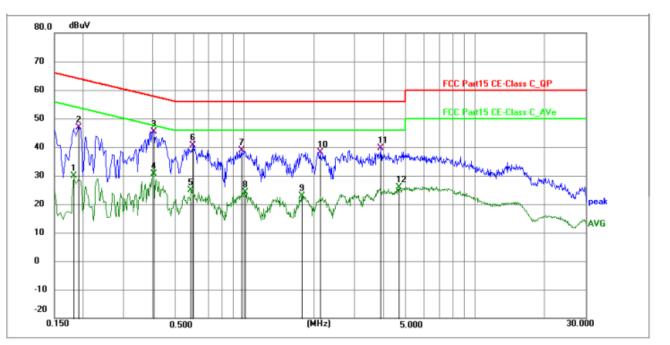
| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB) | Level (dBuV) | Limit (dBuV) | Margin (dB) | Detector | P/F | Remark |
|-----|--------------------|-------------------|----------------|-----------------|-----------------|----------------|----------|-----|---------|
| 1 | 0.1860 | 30.15 | 10.53 | 40.68 | 54.21 | -13.53 | AVG | Р | |
| 2 | 0.1905 | 39.82 | 10.54 | 50.36 | 64.01 | -13.65 | QP | Р | |
| 3 * | 0.4243 | 41.12 | 10.57 | 51.69 | 57.36 | -5.67 | QP | Ρ | |
| 4 | 0.4334 | 27.63 | 10.57 | 38.20 | 47.19 | -8.99 | AVG | Р | |
| 5 | 0.7395 | 38.79 | 10.69 | 49.48 | 56.00 | -6.52 | QP | Ρ | |
| 6 | 0.9060 | 23.08 | 10.67 | 33.75 | 46.00 | -12.25 | AVG | Ρ | |
| 7 | 1.2210 | 36.49 | 10.66 | 47.15 | 56.00 | -8.85 | QP | Ρ | |
| 8 | 1.2210 | 22.15 | 10.66 | 32.81 | 46.00 | -13.19 | AVG | Ρ | |
| 9 | 2.2380 | 36.77 | 10.68 | 47.45 | 56.00 | -8.55 | QP | Р | |
| 10 | 2.2830 | 21.37 | 10.67 | 32.04 | 46.00 | -13.96 | AVG | Р | |
| 11 | 2.9805 | 36.70 | 10.68 | 47.38 | 56.00 | -8.62 | QP | Ρ | |
| 12 | 3.0210 | 20.55 | 10.68 | 31.23 | 46.00 | -14.77 | AVG | Ρ | |
| X | / | X | | | X | 1 | | | KY/ KY/ |

Note:

Freq. = Emission frequency in MHz Reading level $(dB\mu V)$ = Receiver reading Corr. Factor (dB) = LISN factor + Cable loss Measurement $(dB\mu V)$ = Reading level $(dB\mu V)$ + Corr. Factor (dB) Limit $(dB\mu V)$ = Limit stated in standard Margin (dB) = Measurement $(dB\mu V)$ – Limits $(dB\mu V)$ Q.P. =Quasi-Peak

AVG =average

* is meaning the worst frequency has been tested in the frequency range 150 kHz to 30MHz



Conducted Emission on Neutral Terminal of the power line (150 kHz to 30MHz)

| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB) | Level (dBuV) | Limit (dBuV) | Margin (dB) | Detector | P/F | Remark |
|-----|--------------------|-------------------|----------------|-----------------|-----------------|----------------|----------|-----|--------|
| 1 | 0.1814 | 19.28 | 10.52 | 29.80 | 54.42 | -24.62 | AVG | Ρ | |
| 2 | 0.1905 | 36.42 | 10.54 | 46.96 | 64.01 | -17.05 | QP | Р | |
| 3 * | 0.4020 | 34.70 | 10.57 | 45.27 | 57.81 | -12.54 | QP | Р | |
| 4 | 0.4020 | 20.02 | 10.57 | 30.59 | 47.81 | -17.22 | AVG | Р | |
| 5 | 0.5865 | 14.34 | 10.62 | 24.96 | 46.00 | -21.04 | AVG | Р | |
| 6 | 0.5955 | 30.01 | 10.63 | 40.64 | 56.00 | -15.36 | QP | Р | |
| 7 | 0.9690 | 28.24 | 10.66 | 38.90 | 56.00 | -17.10 | QP | Р | |
| 8 | 1.0095 | 13.51 | 10.66 | 24.17 | 46.00 | -21.83 | AVG | Р | |
| 9 | 1.7743 | 12.31 | 10.67 | 22.98 | 46.00 | -23.02 | AVG | Р | |
| 10 | 2.1300 | 27.48 | 10.68 | 38.16 | 56.00 | -17.84 | QP | Ρ | |
| 11 | 3.8940 | 28.84 | 10.67 | 39.51 | 56.00 | -16.49 | QP | Ρ | |
| 12 | 4.6680 | 15.27 | 10.71 | 25.98 | 46.00 | -20.02 | AVG | Ρ | |

Note1:

Freq. = Emission frequency in MHz Reading level ($dB\mu V$) = Receiver reading Corr. Factor (dB) = LISN factor + Cable loss

Measurement ($dB\mu V$) = Reading level ($dB\mu V$) + Corr. Factor (dB)

Limit ($dB\mu V$) = Limit stated in standard

Margin (dB) = Measurement (dB μ V) – Limits (dB μ V)

Q.P. =Quasi-Peak

TCT通测检测 TCT通测检测

AVG =average

 * is meaning the worst frequency has been tested in the frequency range 150 kHz to 30MHz.

Note2: Speed for 1M and 2M modulations of EUT have been tested, but the test data only show the worst case in this report, and we found the worst case is 1M speed modulation. Measurements were conducted in all three channels (high, middle, low), and the worst case Mode (Middle channel) was submitted only.



5.3. Conducted Output Power

5.3.1. Test Specification

| Test Requirement: | FCC Part15 C Section 15.247 (b)(3) |
|-------------------|--|
| Test Method: | KDB 558074 D01 v05r02 |
| Limit: | 30dBm |
| Test Setup: | Spectrum Analyzer EUT |
| Test Mode: | Refer to item 3.1 |
| Test Procedure: | Set spectrum analyzer as following: a) Set the RBW ≥ DTS bandwidth. b) Set VBW ≥ 3 × RBW. c) Set span ≥ 3 x RBW d) Sweep time = auto couple. e) Detector = peak. f) Trace mode = max hold. g) Allow trace to fully stabilize. h) Use peak marker function to determine the peak amplitude level. |
| Test Result: | PASS |

5.3.2. Test Instruments

| Name | Manufacturer | Model No. | Serial Number | Calibration Due |
|----------------------|--------------|-----------|---------------|-----------------|
| Spectrum Analyzer | Agilent | N9020A | MY50101018 | Jun. 26, 2025 |
| Test Software | TST Pass | / | / | / |



5.4. Emission Bandwidth

5.4.1. Test Specification

| Test Requirement: | FCC Part15 C Section 15.247 (a)(2) |
|-------------------|--|
| • | |
| Test Method: | KDB 558074 D01 v05r02 |
| Limit: | >500kHz |
| Test Setup: | |
| | Spectrum Analyzer EUT |
| Test Mode: | Refer to item 3.1 |
| Test Procedure: | Set to the maximum power setting and enable the EUT transmit continuously. Make the measurement with the spectrum analyzer's resolution bandwidth (RBW) = 100 kHz. Set the Video bandwidth (VBW) = 300 kHz. In order to make an accurate measurement. The 6dB bandwidth must be greater than 500 kHz. Measure and record the results in the test report. |
| Test Result: | PASS |

5.4.2. Test Instruments

| Name | Manufacturer | Model No. | Serial Number | Calibration Due |
|----------------------|--------------|-----------|---------------|-----------------|
| Spectrum Analyzer | Agilent | N9020A | MY50101018 | Jun. 26, 2025 |
| Test Software | TST Pass | / | 3 1 | |
| | | | | |

5.5. Power Spectral Density

5.5.1. Test Specification

| Test Requirement: | FCC Part15 C Section 15.247 (e) |
|-------------------|--|
| Test Method: | KDB 558074 D01 v05r02 |
| Limit: | The peak power spectral density shall not be greater than 8dBm in any 3kHz band at any time interval of continuous transmission. |
| Test Setup: | |
| Test Mode: | Refer to item 3.1 |
| Test Procedure: | The RF output of EUT was connected to the spectrum analyzer by RF cable. The path loss was compensated to the results for each measurement. Set to the maximum power setting and enable the EUT transmit continuously. Make the measurement with the spectrum analyzer's resolution bandwidth (RBW): 3 kHz ≤ RBW ≤ 100 kHz. Video bandwidth VBW ≥ 3 x RBW. In order to make an accurate measurement, set the span to 1.5 times DTS Channel Bandwidth. (6dB BW) Detector = peak, Sweep time = auto couple, Trace mode = max hold, Allow trace to fully stabilize. Use the peak marker function to determine the maximum power level. Measure and record the results in the test report. |
| Test Result: | PASS |

5.5.2. Test Instruments

| Name | Manufacturer | Model No. | Serial Number | Calibration Due |
|----------------------|--------------|-----------|---------------|------------------------|
| Spectrum Analyzer | Agilent | N9020A | MY50101018 | Jun. 26, 2025 |
| Test Software | TST Pass | / | / | / |

5.6. Conducted Band Edge and Spurious Emission Measurement

5.6.1. Test Specification

| Test Requirement: | FCC Part15 C Section | 15.247 (d) | , ć | | | | | |
|-------------------|--|---|--|--|--|--|--|--|
| Test Method: | KDB 558074 D01 v05r0 | KDB 558074 D01 v05r02 | | | | | | |
| Limit: | frequency band, the non-restricted bands sh 30dB relative to the ma RF conducted measu which fall in the restrict | width outside of the a emissions which fa nall be attenuated at lea aximum PSD level in 10 rement and radiated ted bands, as defined i omply with the radiated on 15.209(a). | II in the st 20 dB / 00 kHz by emissions in Section | | | | | |
| Test Setup: | Spectrum Analyzer | EUT |) | | | | | |
| Test Mode: | Refer to item 3.1 | (\mathcal{G}) | (c | | | | | |
| Test Procedure: | analyzer by RF cab compensated to the 2. Set to the maximum EUT transmit contin 3. Set RBW = 100 kHz, Unwanted Emission bandwidth outside of shall be attenuated maximum in-band p | VBW=300 kHz, Peak D is measured in any 100 of the authorized frequer by at least 20 dB relativ eak PSD level in 100 kH ducted output power pro | rement. le the Detector. kHz ncy band e to the Hz when | | | | | |
| | power limits based of a time interval, the a paragraph shall be 3 15.247(d). 4. Measure and record 5. The RF fundamental | the results in the test re frequency should be ex- in the operating freque | nducted aging over ler this per port. ccluded | | | | | |



5.6.2. Test Instruments

| Name | | Manufa | cturer | Model No. | Seria | al Number | Calibratio | on Due |
|----------------------|----------|--------|--------|-----------|-------|-----------|------------|--------|
| Spectrum Analyzer | | Agile | ent | N9020A | MY5 | 0101018 | Jun. 26, | 2025 |
| | Software | TST F | Pass | 1 | | 1 | / | |
| | | | | | | | | |
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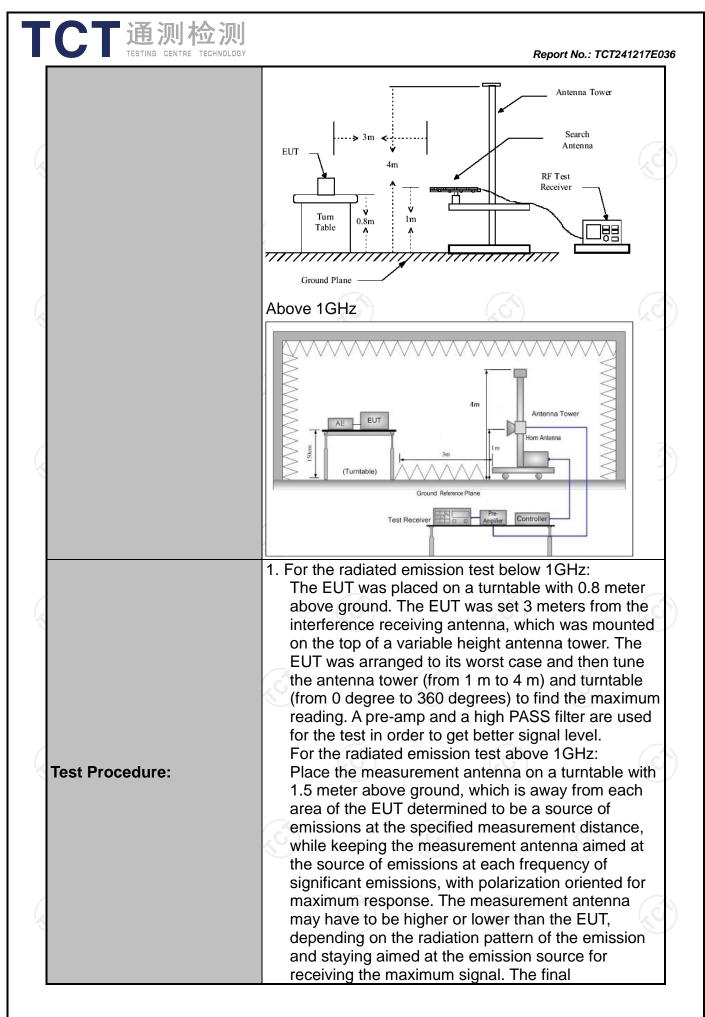
5.7. Radiated Spurious Emission Measurement

5.7.1. Test Specification

TCT 通测检测 TESTING CENTRE TECHNOLOGY

| Test Requirement: | FCC Part15 C Section 15.209 | | | | | | | |
|-----------------------|--------------------------------------|--------------------------------------|--|------------------------|---|--|--|--|
| Test Method: | ANSI C63.10 |):2020 | | | | | | |
| Frequency Range: | 9 kHz to 25 0 | GHz | | | | | | |
| Measurement Distance: | 3 m | X | 9 | | S. | | | |
| Antenna Polarization: | Horizontal & | Vertical | | | | | | |
| Operation mode: | Refer to item | n 3.1 | (| | | | | |
| | Frequency 9kHz- 150kHz 150kHz- | Detector Quasi-peal Quasi-peal | | VBW 1kHz 30kHz | Remark Quasi-peak Value Quasi-peak Value | | | |
| Receiver Setup: | 30MHz 30MHz-1GHz Above 1GHz | Quasi-peal Peak Peak | ✓ 120KHz 1MHz 1MHz | 300KHz 3MHz 10Hz | Quasi-peak Value Peak Value Average Value | | | |
| | Frequen | 490 | Field Strength (microvolts/meter) 2400/F(KHz) | | Measurement Distance (meters) 300 | | | |
| | 0.490-1.705 1.705-30 30-88 | | 24000/F(KHz) 30 100 | | 30 30 3 | | | |
| Limit: | 88-216 216-960 Above 960 | | 150 200 500 | | 3 3 3 | | | |
| | Frequency | | Field Strength (microvolts/meter) | | ce Detector | | | |
| | Above 1GHz | z | 500 3 5000 3 | | Average Peak | | | |
| | For radiated | emission: | s below 30 | OMHz | | | | |
| | Pre - Amplifier | | | | | | | |
| Test setup: | 0.3m | | | | | | | |
| | 30MHz to 10 | | | | | | | |

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| CT 通测检测 TESTING CENTRE TECHNOLOGY | Report No.: TCT241217E0 |
|--------------------------------------|---|
| | measurement antenna elevation shall be that which maximizes the emissions. The measurement antenna elevation for maximum emissions shall be restricted to a range of heights of from 1 m to 4 m above the ground or reference ground plane. Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level For measurement below 1GHz, If the emission level of the EUT measured by the peak detector is 3 dB lower than the applicable limit, the peak emission level will be reported. Otherwise, the emission measurement will be repeated using the quasi-peak detector and reported. Use the following spectrum analyzer settings: Set RBW=120 kHz for f < 1 GHz; VBW ≥ RBW; Sweep = auto; Detector function = peak; Trace = max hold; Set RBW = 1 MHz, VBW= 3MHz for f > 1 GHz for peak measurement. For average measurement: VBW = 10 Hz, when duty cycle is no less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation. |
| Test mode: | Refer to section 3.1 for details |
| Test results: | PASS |

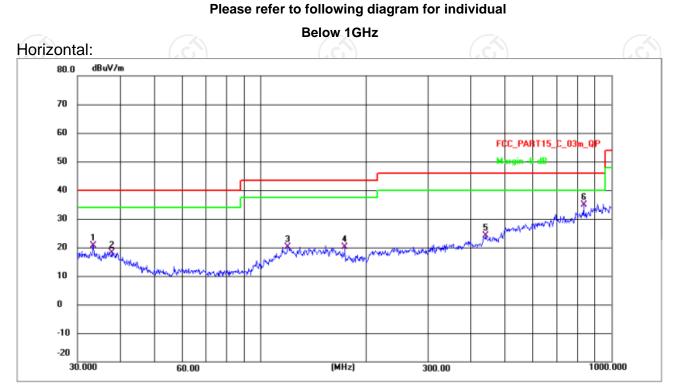
5.7.2. Test Instruments

| Radiated Emission Test Site (966) | | | | | | | | |
|-----------------------------------|--------------|-------------------|--------------------|-----------------|--|--|--|--|
| Name of Equipment | Manufacturer | Model | Serial Number | Calibration Due | | | | |
| EMI Test Receiver | R&S | ESCI7 | 100529 | Jan. 20, 2026 | | | | |
| Spectrum Analyzer | R&S | FSQ40 | 200061 | Jun. 26, 2025 | | | | |
| Pre-amplifier | SKET | LNPA_0118G- 45 | SK2021012 102 | Jan. 20, 2026 | | | | |
| Pre-amplifier | SKET | LNPA_1840G- 50 | SK2021092 03500 | Jan. 20, 2026 | | | | |
| Pre-amplifier | HP | 8447D | 2727A05017 | Jun. 26, 2025 | | | | |
| Loop antenna | Schwarzbeck | FMZB1519B | 00191 | Jun. 26, 2025 | | | | |
| Broadband Antenna | Schwarzbeck | VULB9163 | 340 | Jun. 28, 2025 | | | | |
| Horn Antenna | Schwarzbeck | BBHA 9120D | 631 | Jun. 28, 2025 | | | | |
| Horn Antenna | Schwarzbeck | BBHA 9170 | 00956 | Jan. 22, 2026 | | | | |
| Coaxial cable | SKET | RE-03-D | / | Jun. 26, 2025 | | | | |
| Coaxial cable | SKET | RE-03-M | 1 | Jun. 26, 2025 | | | | |
| Coaxial cable | SKET | RE-03-L | / | Jun. 26, 2025 | | | | |
| Coaxial cable | SKET | RE-04-D | 1 | Jun. 26, 2025 | | | | |
| Coaxial cable | SKET | RE-04-M | R | Jun. 26, 2025 | | | | |
| Coaxial cable | SKET | RE-04-L | / | Jun. 26, 2025 | | | | |
| Antenna Mast | Keleto | RE-AM | | | | | | |
| EMI Test Software | EZ_EMC | FA-03A2 RE+ | 1.1.4.2 | | | | | |

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Hotline: 400-6611-140 Tel: 86-755-27673339 Fax: 86-755-27673332 http://www.tct-lab.com

5.7.3. Test Data



| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | P/F |
|-----|--------------------|-------------------|------------------|-------------------|-------------------|----------------|----------|-----|
| 1 | 33.3278 | 30.27 | -9.68 | 20.59 | 40.00 | -19.41 | QP | Р |
| 2 | 37.6137 | 27.84 | -9.65 | 18.19 | 40.00 | -21.81 | QP | Р |
| 3 | 119.4360 | 42.49 | -22.29 | 20.20 | 43.50 | -23.30 | QP | Р |
| 4 | 174.1184 | 41.83 | -21.78 | 20.05 | 43.50 | -23.45 | QP | Р |
| 5 | 437.8870 | 43.75 | -19.51 | 24.24 | 46.00 | -21.76 | QP | Р |
| 6 * | 834.7794 | 52.22 | -17.29 | 34.93 | 46.00 | -11.07 | QP | Р |

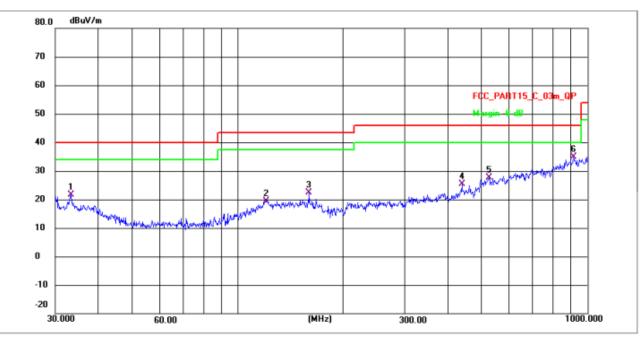


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Report No.: TCT241217E036



Vertical:



| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | P/F |
|-----------------------------------|--------------------|-------------------|------------------|-------------------|-------------------|----------------|----------|------|
| 1 | 33.3278 | 31.40 | -9.68 | 21.72 | 40.00 | -18.28 | QP | Р |
| 2 | 121.1230 | 41.67 | -22.27 | 19.40 | 43.50 | -24.10 | QP | Р |
| 3 | 160.0646 | 44.25 | -21.92 | 22.33 | 43.50 | -21.17 | QP | Р |
| 4 | 437.8870 | 44.95 | -19.51 | 25.44 | 46.00 | -20.56 | QP | Р |
| 5 | 522.7180 | 46.58 | -18.84 | 27.74 | 46.00 | -18.26 | QP | Р |
| 6 * | 914.4640 | 50.89 | -16.13 | 34.76 | 46.00 | -11.24 | QP | Р |
| $\left(\cdot \mathbf{G} \right)$ | | (.G) | | 66 | | (.0 | | (.G. |

Note: 1. The low frequency, which started from 9KHz~30MHz, was pre-scanned and the result which was 20dB lower than the limit line per 15.31(o) was not reported

- 2. Speed for 1M and 2M modulations of EUT have been tested, but the test data only show the worst case in this report, and we found the worst case is 1M speed modulation. Measurements were conducted in all three channels (high, middle, low), and the worst case Mode (Middle channel) was submitted only.
- Freq. = Emission frequency in MHz Measurement (dBμV/m) = Reading level (dBμV) + Corr. Factor (dB) Correction Factor= Antenna Factor + Cable loss – Pre-amplifier
 - Limit ($dB\mu V/m$) = Limit stated in standard
 - Margin (dB) = Measurement (dB μ V/m) Limits (dB μ V/m)
 - * is meaning the worst frequency has been tested in the test frequency range

Peak

Peak

Peak

-25.00

-25.53

-24.36

Result

Pass

Pass

Pass

| ТСТ | 通测检测 |
|-----|---------------------------|
| | TESTING CENTRE TECHNOLOGY |

65.45

64.33

65.46

-16.45

-15.86

-15.82

Frequency

(MHz) 2310

2390

2400

| Test Cha | | • | os (LE 1M PH I, Test Polar | , | rtical |
|----------|--------|----------|-------------------------------|---------|----------|
| Reading | Factor | Level | Limit | Marging | Detector |
| (dBµV) | (dB) | (dBµV/m) | (dBµV/m) | (dB) | 20100101 |

74

74

74

49.00

48.47

49.64

Test Result of Radiated Spurious at Band edges

| Test Channel: Lowest channel, Test Polarization: HorizontalFrequencyReadingFactorLevelLimitMarging (dBµV)DetectorResult(MHz)(dBµV)(dB)(dBµV/m)(dBµV/m)(dB)(dB)PeakPass231065.77-16.4549.3274-24.68PeakPass239064.65-15.8648.7974-25.21PeakPass240065.78-15.8249.9674-24.04PeakPassTest Charner Jetter test channel, Test Polarization: VertealTest Charner Jetter test channel, Call and test channel | | | | | | | | | | | |
|--|--|-----------|-----------|--------------|--------------|-------------|----------|--------|--|--|--|
| (MHz)(dBµV)(dB)(dBµV/m)(dBµV/m)(dBµV/m)(dB)DetectorResult2310 65.77 -16.45 49.32 74 -24.68 PeakPass2390 64.65 -15.86 48.79 74 -25.21 PeakPass2400 65.78 -15.82 49.96 74 -24.04 PeakPassTest Charnel: Highest channel, Test Polarization: VerticalFrequencyReadingFactorLevelLimitMargingDetectorResult(MHz)(dBµV)(dB)(dBµV/m)(dBµV/m)(dB) 0 0 0 0 2483.5 66.83 -16.60 50.23 74 -23.77 PeakPass2500 65.11 -16.45 48.66 74 -25.34 PeakPassTest Charnel: Highest channel, Test Polarization: Horization: | <i></i> | Test Chan | nel: Low | est channel, | Test Polariz | ation: Hori | zontal | | | | |
| 2310 65.77 -16.45 49.32 74 -24.68 Peak Pass 2390 64.65 -15.86 48.79 74 -25.21 Peak Pass 2400 65.78 -15.82 49.96 74 -24.04 Peak Pass 2400 65.78 -15.82 49.96 74 -24.04 Peak Pass Test Channel: Highest channel, Test Polarization: Vertical Frequency Reading Factor Level Limit Marging Detector Result (MHz) (dBµV) (dB) (dBµV/m) (dBµV/m) (dB) Peak Pass 2500 65.11 -16.45 48.66 74 -25.34 Peak Pass Test Channel: Highest channel, Test Polarization: Horizontal Frequency Reading Factor Level Limit Marging Detector Result (MHz) (dBµV) (dB) (dBµV/m) (dBµV/m) (dB) Peak Pass <td>Frequency</td> <td>Reading</td> <td>Factor</td> <td>Level</td> <td>Limit</td> <td>Marging</td> <td>Detector</td> <td>Result</td> | Frequency | Reading | Factor | Level | Limit | Marging | Detector | Result | | | |
| $\begin{array}{c c c c c c c c c c c c c c c c c c c $ | (MHz) | (dBµV) | (dB) | (dBµV/m) | (dBµV/m) | (dB) | | | | | |
| 2400 65.78 -15.82 49.96 74 -24.04 Peak Pass Test Channel: Highest channel, Test Polarization: Vertical Frequency Reading Factor Level Limit Marging Detector Result (MHz) (dBµV) (dB) (dBµV/m) (dBµV/m) (dB) Peak Pass 2483.5 66.83 -16.60 50.23 74 -23.77 Peak Pass 2500 65.11 -16.45 48.66 74 -25.34 Peak Pass Frequency Reading Factor Level Limit Marging Detector Peak Pass 2500 65.11 -16.45 48.66 74 -25.34 Peak Pass Frequency Reading Factor Level Limit Marging Detector Result (MHz) (dBµV) (dB) (dBµV/m) (dBµV/m) (dB) Peak Pass 2483.5 6 | 2310 | 65.77 | -16.45 | 49.32 | 74 | -24.68 | Peak | Pass | | | |
| $\begin{tabular}{ c c c c c } \hline Test Channel: Highest channel, Test Polarization: Vertical \\ \hline Frequency Reading Factor Level Limit Marging (MHz) (dB \mu V) (dB) (dB \mu V/m) (dB \mu V/m) (dB) \\ \hline (MHz) (dB \mu V) (dB) (dB \mu V/m) (dB \mu V/m) (dB) \\ \hline (dB \mu V) (dB) -16.60 50.23 74 -23.77 Peak Pass \\ \hline 2500 65.11 -16.45 48.66 74 -25.34 Peak Pass \\ \hline Test Channel: Highest channel, Test Polarization: Horizontal \\ \hline Frequency Reading Factor Level Limit Marging (MHz) (dB \mu V) (dB) (dB \mu V/m) (dB) \\ \hline (MHz) (dB \mu V) (dB) (dB \mu V/m) (dB \mu V/m) (dB) \\ \hline 2483.5 66.65 -16.60 50.05 74 -23.95 Peak Pass \\ \hline \end{tabular}$ | 2390 🔇 | 64.65 | -15.86 | 48.79 | 74 | -25.21 | Peak | Pass | | | |
| Frequency Reading Factor Level Limit Marging Detector Result (MHz) (dBµV) (dB) (dBµV/m) (dBµV/m) (dB) Detector Result 2483.5 66.83 -16.60 50.23 74 -23.77 Peak Pass 2500 65.11 -16.45 48.66 74 -25.34 Peak Pass Test Channel: Highest channel, Test Polarization: Horizontal Detector Result Frequency Reading Factor Level Limit Marging Detector Result (MHz) (dBµV) (dB) (dBµV/m) (dBµV/m) Result Result (MHz) (dBµV) (dB) (dBµV/m) (dBµV/m) (dB) Peak Pass 2483.5 66.65 -16.60 50.05 74 -23.95 Peak Pass | 2400 | 65.78 | -15.82 | 49.96 | 74 | -24.04 | Peak | Pass | | | |
| (MHz) (dBμV) (dB) (dBμV/m) (dBμV/m) (dBμV/m) (dB) Detector Result 2483.5 66.83 -16.60 50.23 74 -23.77 Peak Pass 2500 65.11 -16.45 48.66 74 -25.34 Peak Pass 2500 65.11 -16.45 48.66 74 -25.34 Peak Pass Employed Reading Factor Level Limit Marging Detector Result (MHz) (dBμV) (dB) (dBμV/m) (dBμV/m) (dB) Peak Pass 2483.5 66.65 -16.60 50.05 74 -23.95 Peak Pass | Test Channel: Highest channel, Test Polarization: Vertical | | | | | | | | | | |
| 2483.5 66.83 -16.60 50.23 74 -23.77 Peak Pass 2500 65.11 -16.45 48.66 74 -25.34 Peak Pass Test Channel: Highest channel, Test Polarization: Horizontal Frequency Reading Factor Level Limit Marging Detector Result (MHz) (dBµV) (dB) (dBµV/m) (dBµV/m) (dB) Peak Pass 2483.5 66.65 -16.60 50.05 74 -23.95 Peak Pass | Frequency | Reading | Factor | Level | Limit | Marging | Detector | Result | | | |
| 2500 65.11 -16.45 48.66 74 -25.34 Peak Pass Test Channel: Highest channel, Test Polarization: Horizontal Frequency Reading Factor Level Limit Marging Detector Result (MHz) (dBµV) (dB) (dBµV/m) (dBµV/m) (dB) Peak Pass 2483.5 66.65 -16.60 50.05 74 -23.95 Peak Pass | (MHz) | (dBµV) | (dB) | (dBµV/m) | (dBµV/m) | (dB) | | | | | |
| Test Channel: Highest channel, Test Polarization: HorizontalFrequencyReadingFactorLevelLimitMargingDetectorResult(MHz)(dBµV)(dB)(dBµV/m)(dBµV/m)(dB)2483.566.65-16.6050.0574-23.95PeakPass | 2483.5 | 66.83 | -16.60 | 50.23 | 74 | -23.77 | Peak | Pass | | | |
| FrequencyReadingFactorLevelLimitMargingDetectorResult(MHz)(dBµV)(dB)(dBµV/m)(dBµV/m)(dB)DetectorResult2483.566.65-16.6050.0574-23.95PeakPass | 2500 | 65.11 | -16.45 | 48.66 | 74 | -25.34 | Peak | Pass | | | |
| (MHz) (dBµV) (dB) (dBµV/m) (dBµV/m) (dB) Detector Result 2483.5 66.65 -16.60 50.05 74 -23.95 Peak Pass | | Test Chan | nel: High | est channel, | Test Polariz | ation: Hori | izontal | | | | |
| 2483.5 66.65 -16.60 50.05 74 -23.95 Peak Pass | Frequency | Reading | Factor | Level | Limit | Marging | Detector | Result | | | |
| | (MHz) | (dBµV) | (dB) | (dBµV/m) | (dBµV/m) | (dB) | | | | | |
| 2500 64 72 16 45 49 27 74 25 72 Book Boos | 2483.5 | 66.65 | -16.60 | 50.05 | 74 | -23.95 | Peak | Pass | | | |
| 2500 04.72 -10.45 40.27 74 -25.75 Peak Pass | 2500 | 64.72 | -16.45 | 48.27 | 74 | -25.73 | Peak | Pass | | | |

Note: Speed for 1M and 2M modulations of EUT have been tested, but the test data only show the worst case in this report, and we found the worst case is 1M speed modulation.

Above 1GHz

TCT通测检测 TESTING CENTRE TECHNOLOGY

| Modulation Typ | be: 1M | | | | | | | | |
|----------------|-----------------|-------------------|-------------------|------------------|------------------|----------------|------------------------|----------------------|--------|
| Low channel: 2 | 2402 MHz | | | | | | | | |
| | | Peak | AV | Correction | Emissio | on Level | | | Margin |
| Frequency(MHz) | Ant. Pol.H/V | reading (dBµV) | reading (dBuV) | Factor (dB/m) | Peak (dBµV/m) | AV (dBµV/m) | Peak limit (dBµV/m) | AV limit (dBµV/m) | (dB) |
| 4804 | Н | 57.59 | | -9.51 | 48.08 | | 74 | 54 | -5.92 |
| 7206 | Н | 46.92 | | -1.41 | 45.51 | < | 74 | 54 | -8.49 |
| | Юн | | | | | 9 | | | |
| 4804 | V | 57.38 | | -9.51 | 47.87 | | 74 | 54 | -6.13 |
| 7206 | V | 48.02 | | -1.41 | 46.61 | (| 74 | 54 | -7.39 |
| | V | | | | | | 2 | | |

| Middle channe | I: 2440 MH | lz | | | | - | | <u> </u> | |
|---------------------------------------|-----------------|---------------------------|-------------------|--------------------------------|------------------|----------------|------------------------|----------------------|--------|
| | Ant. Pol.H/V | Peak reading (dBµV) | AV | Correction Factor (dB/m) | Emissio | on Level | | | Margin |
| Frequency(MHz) | | | reading (dBuV) | | Peak (dBµV/m) | AV (dBµV/m) | Peak limit (dBµV/m) | AV limit (dBµV/m) | (dB) |
| 4880 | Н | 56.18 | | -9.36 | 46.82 | | 74 | 54 | -7.18 |
| 7320 | Н | 46.89 | | -1.14 | 45.75 | | O 74 | 54 | -8.25 |
| · · · · · · · · · · · · · · · · · · · | Н | | | | | | | | |
| | - | - | - | - | - | - | - | - | |
| 4880 | V | 56.63 | | -9.36 | 47.27 | | 74 | 54 | -6.73 |
| 7320 | V | 47.50 | | -1.14 | 46.36 | 7 | 74 | 54 | -7.64 |
| | V | | | | | | | | |

| 2480 MHz | | | (6) | | (| | | |
|-----------------|--|--|--|--|--|--|--|---|
| | Peak reading (dBµV) | AV | Correction | Emissio | on Level | | AV limit (dBµV/m) | Margin |
| Ant. Pol.H/V | | reading (dBuV) | Factor (dB/m) | Peak (dBµV/m) | AV (dBµV/m) | (dBµV/m) | | (dB) |
| С́Н | 58.25 | | -9.20 | 49.05 |) | 74 | 54 | -4.95 |
| Н | 47.83 | | -0.96 | 46.87 | | 74 | 54 | -7.13 |
| Н | | | | | | | | |
| | | | CK. | | | | | |
| V | 57.20 | | -9.20 | 48.00 | | 74 | 54 | -6.00 |
| V | 46.62 | | -0.96 | 45.66 | | 74 | 54 | -8.34 |
| V | | | | | | | | |
| | Ant. Pol.H/V H H H V V | Ant. Pol.H/V reading (dBµV) H 58.25 H 47.83 H V 57.20 V 46.62 | Ant. Pol.H/V Peak reading (dBµV) AV reading (dBuV) H 58.25 H 47.83 H V 57.20 V 46.62 | Ant. Pol.H/V Peak reading (dBµV) AV reading (dBuV) Correction Factor (dB/m) H 58.25 -9.20 H 47.83 -0.96 H -0.96 V 57.20 -9.20 V 46.62 -0.96 | Ant. Pol.H/V Peak reading (dBµV) AV reading (dBuV) Correction Factor (dB/m) Emission Peak (dBµV/m) H 58.25 -9.20 49.05 H 47.83 -0.96 46.87 H V 57.20 -9.20 48.00 V 46.62 -0.96 45.66 | $\begin{array}{c c c c c c c c c c c c c c c c c c c $ | $\begin{array}{c c c c c c c c c c c c c c c c c c c $ | $ \begin{array}{c c c c c c c c c c c c c c c c c c c $ |

Note:

1. Emission Level=Peak Reading + Correction Factor; Correction Factor= Antenna Factor + Cable loss - Pre-amplifier

2. Margin (dB) = Emission Level (Peak) (dB μ V/m)-Average limit (dB μ V/m)

3. The emission levels of other frequencies are very lower than the limit and not show in test report.

4. Measurements were conducted from 1 GHz to the 10th harmonic of highest fundamental frequency.

5. Data of measurement shown "---"in the above table mean that the reading of emissions is attenuated more than 20 dB below the limits or the field strength is too small to be measured.

6. Speed for 1M and 2M modulations of EUT have been tested, but the test data only show the worst case in this report, and we found the worst case is 1M speed modulation.

7. All the restriction bands are compliance with the limit of 15.209.

Appendix A: Test Result of Conducted Test



TCT通测检测 TESTING CENTRE TECHNOLOGY

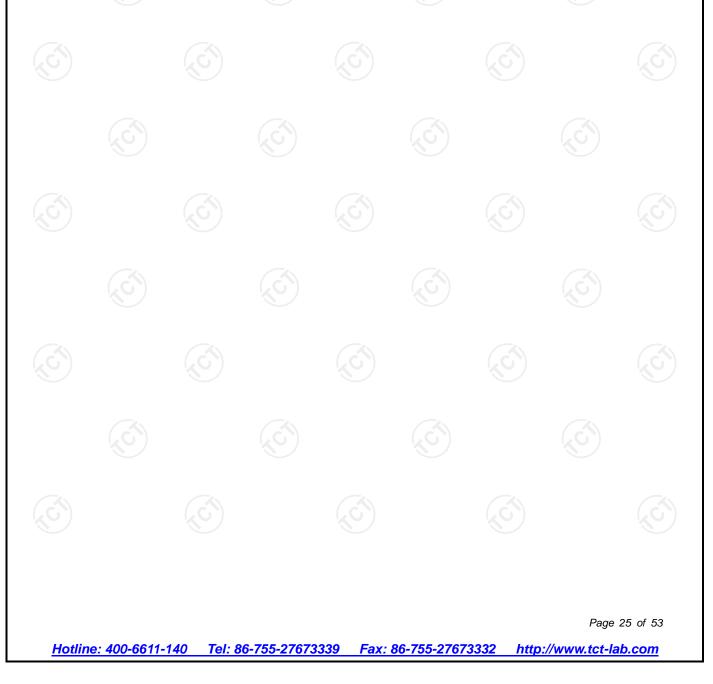
)



1.1 Test Result

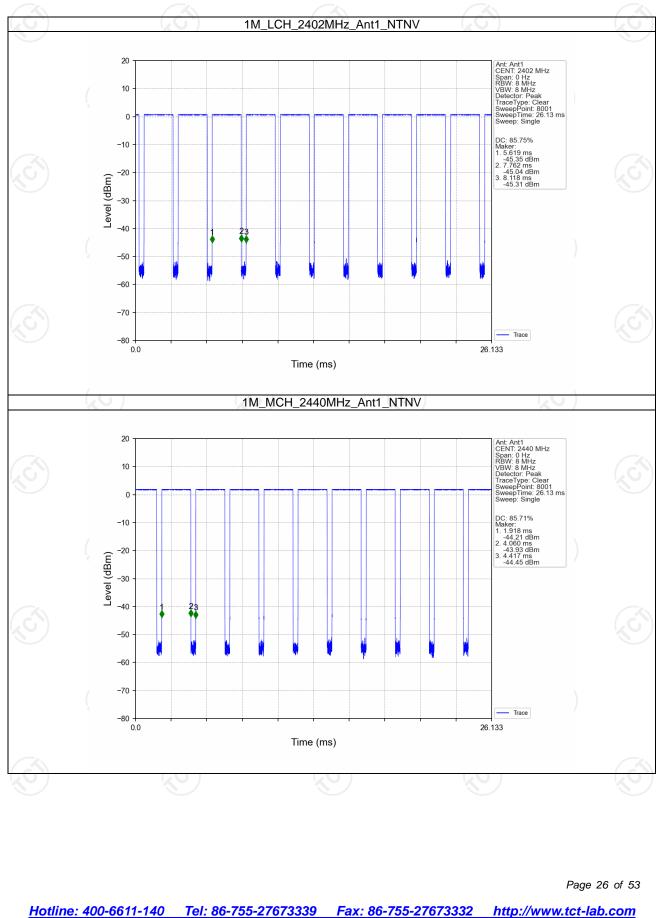
1.1.1 Ant1 🚫

| | | | | Ar | nt1 | | |
|------|------|-----------|---------|---------|------------|------------------------|---------------|
| Mode | ΤX | Frequency | T_on | Period | Duty Cycle | Duty Cycle | Max. DC |
| Type | | (MHz) | (ms) | (ms) | (%) | Correction Factor (dB) | Variation (%) |
| | | 2402 | 2.143 | 2.499 | 85.75 | 0.67 | 0.13 |
| 1M | SISO | 2440 | 2.142 | 2.499 | 85.71 | 0.67 | 0.13 |
| | | 2480 | 2.143 | 2.499 | 85.75 | 0.67 | 0.13 |
| | | 2402 | 100.267 | 100.267 | 100.00 | 0.00 | 0.00 |
| 2M | SISO | 2440 | 100.267 | 100.267 | 100.00 | 0.00 | 0.00 |
| | K | 2480 | 100.267 | 100.267 | 100.00 | 0.00 | 0.00 |

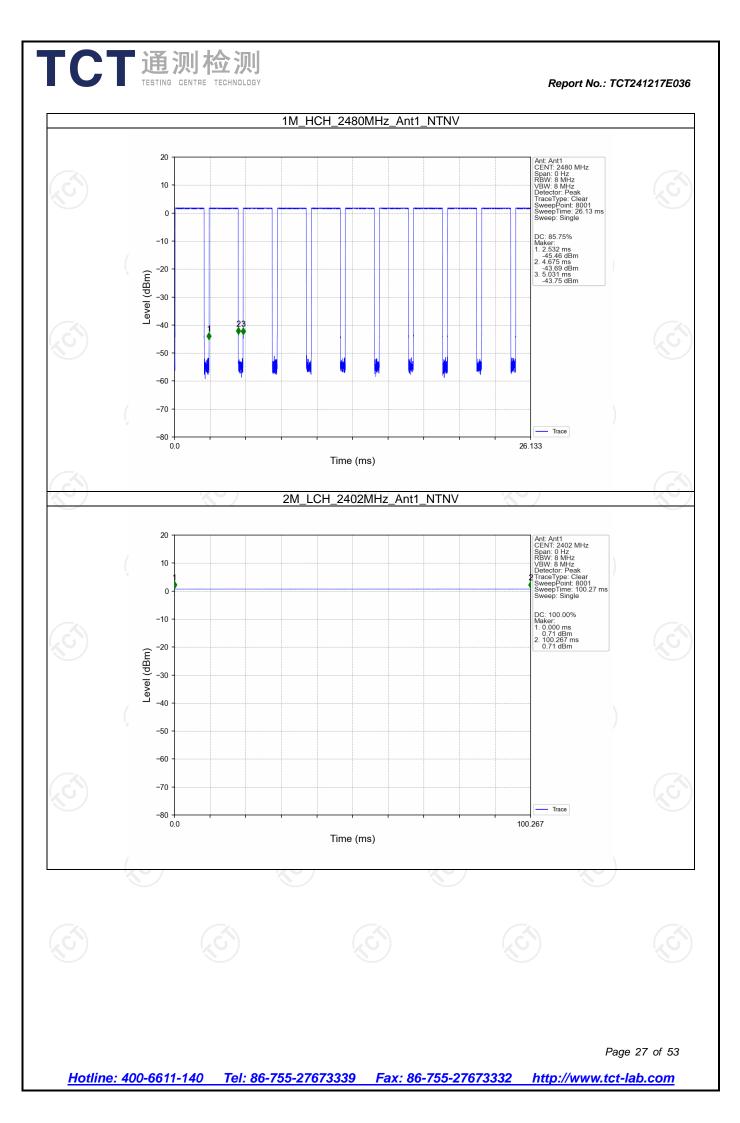


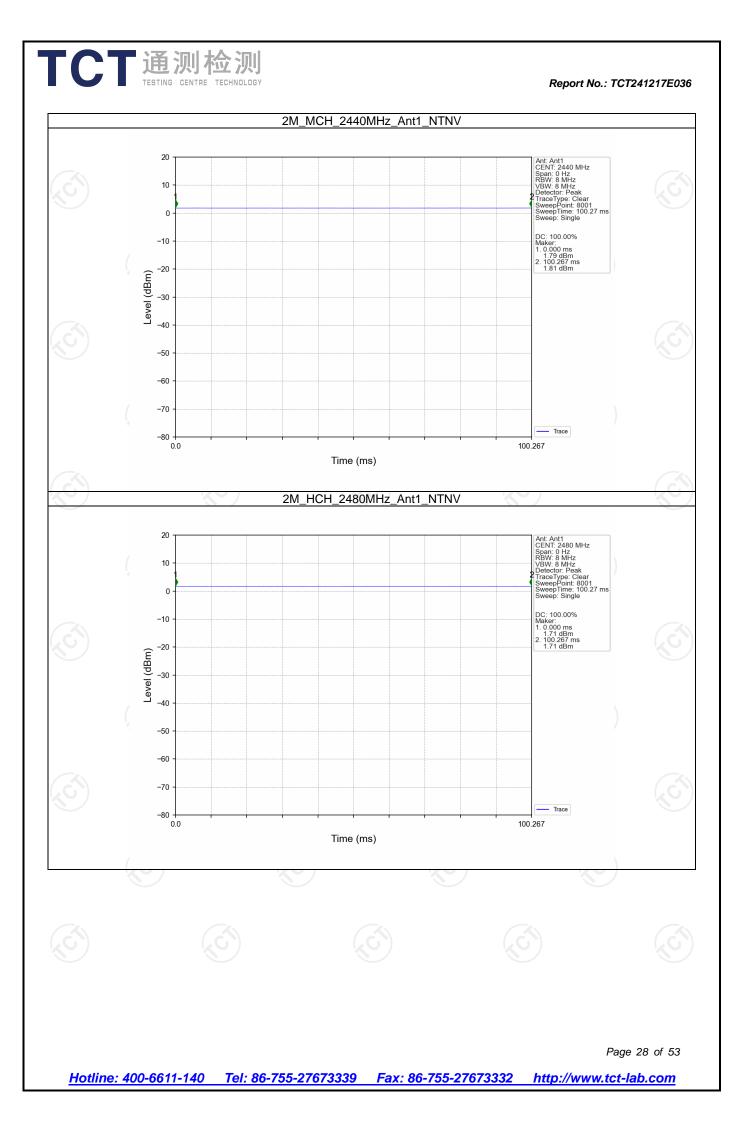


1.2.1 Ant1



Report No.: TCT241217E036





2. Bandwidth

2.1 Test Result

2.1.1 OBW

| Mada | ТХ | Frequency | | 99% Occupied | Verdict | |
|------|------|-----------|-----|--------------|---------|---------|
| Mode | Туре | (MHz) | ANT | Result | Limit | verdict |
| | | 2402 | 1 | 1.027 | / | Pass |
| 1M | SISO | 2440 | 1 | 1.027 | / | Pass |
| | | 2480 | 1 | 1.027 | / | Pass |
| | | 2402 | 1 | 2.064 | | Pass |
| 2M | SISO | 2440 | 1 (| 2.064 | | Pass |
| | | 2480 | 1 | 2.064 | | Pass |

2.1.2 6dB BW

| Mode | ТХ | Frequency | ANT | 6dB Bandy | Verdict | |
|-----------------|------|-----------|-----|-----------|---------|---------|
| wode | Туре | (MHz) | ANT | Result | Limit | veruici |
| | | 2402 | 1 | 0.667 | >=0.5 | Pass |
| 1M | SISO | 2440 | 1 | 0.666 | >=0.5 | Pass |
| | | 2480 | 1 | 0.670 | >=0.5 | Pass |
| (\mathcal{G}) | | 2402 | 1.6 | 1.378 | >=0.5 | Pass 🕥 |
| 2M | SISO | 2440 | 1 | 1.380 | >=0.5 | Pass |
| | | 2480 | 1 | 1.381 | >=0.5 | Pass |





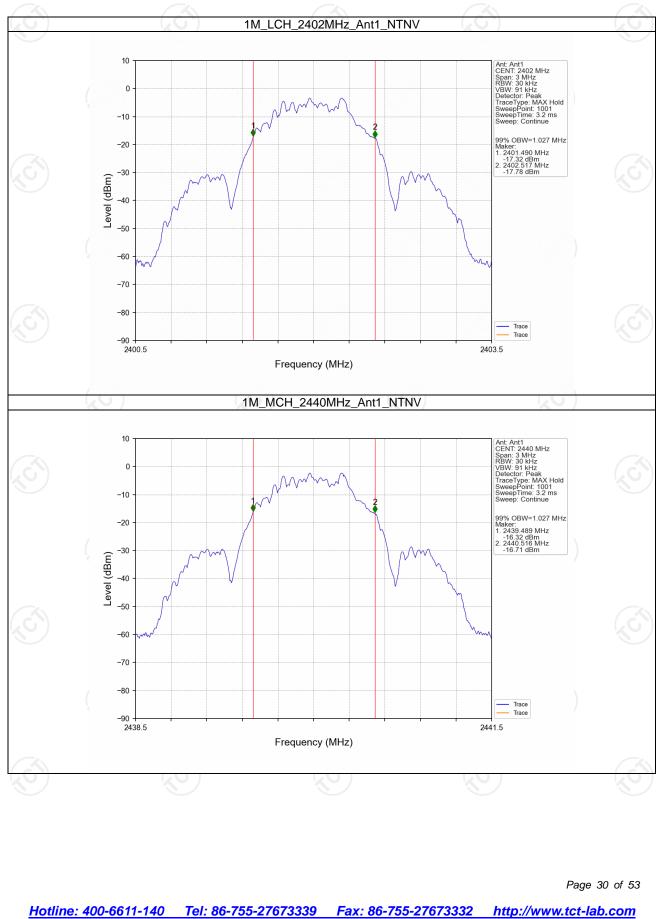




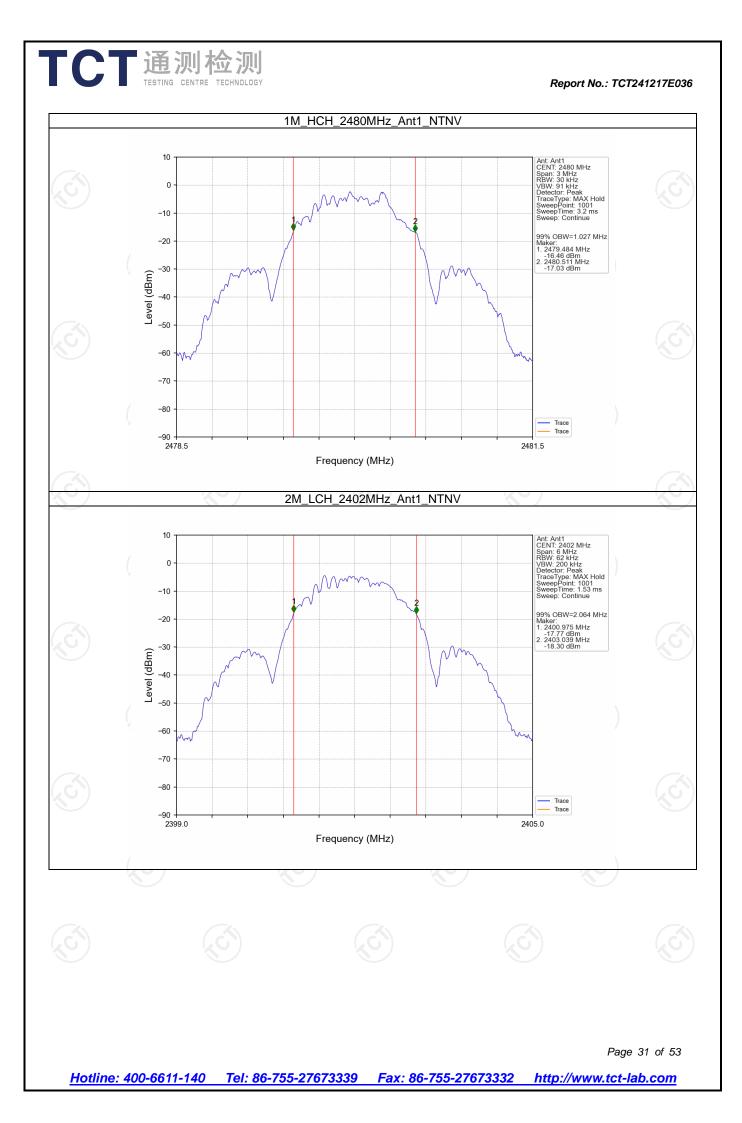


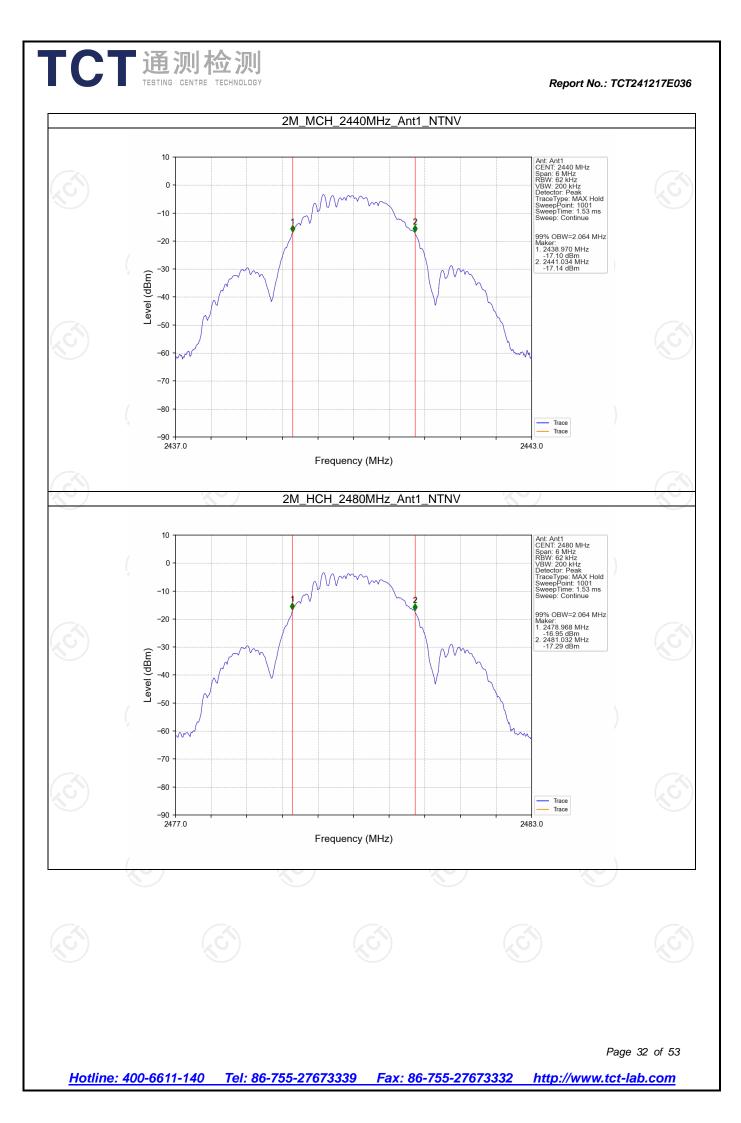
TCT通测检测 TESTING CENTRE TECHNOLOGY

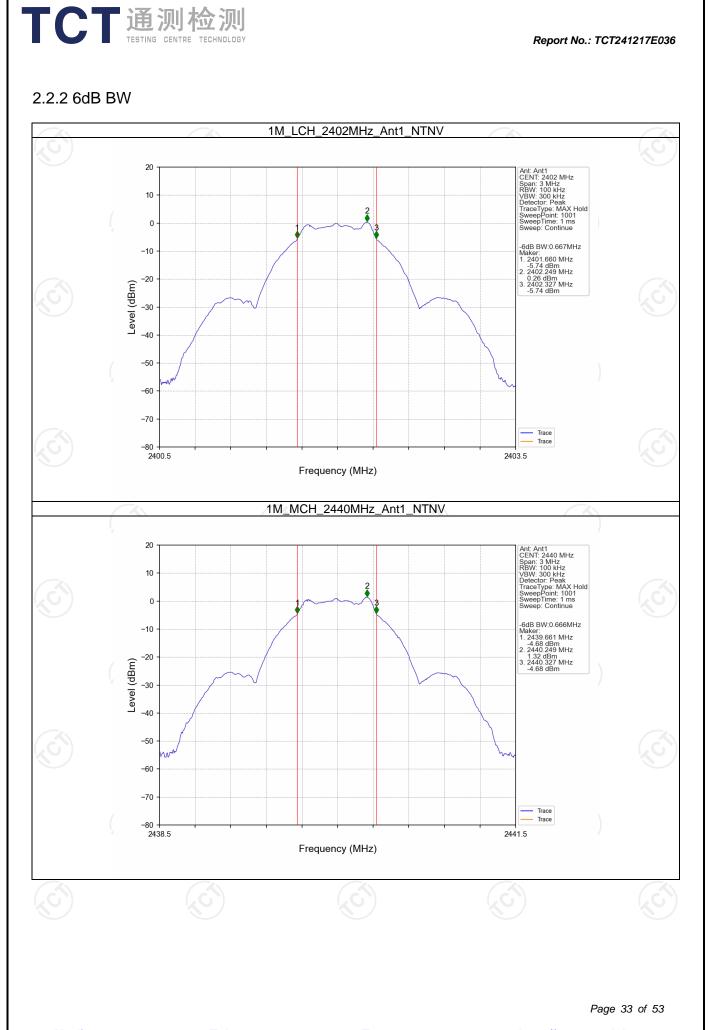
2.2.1 OBW

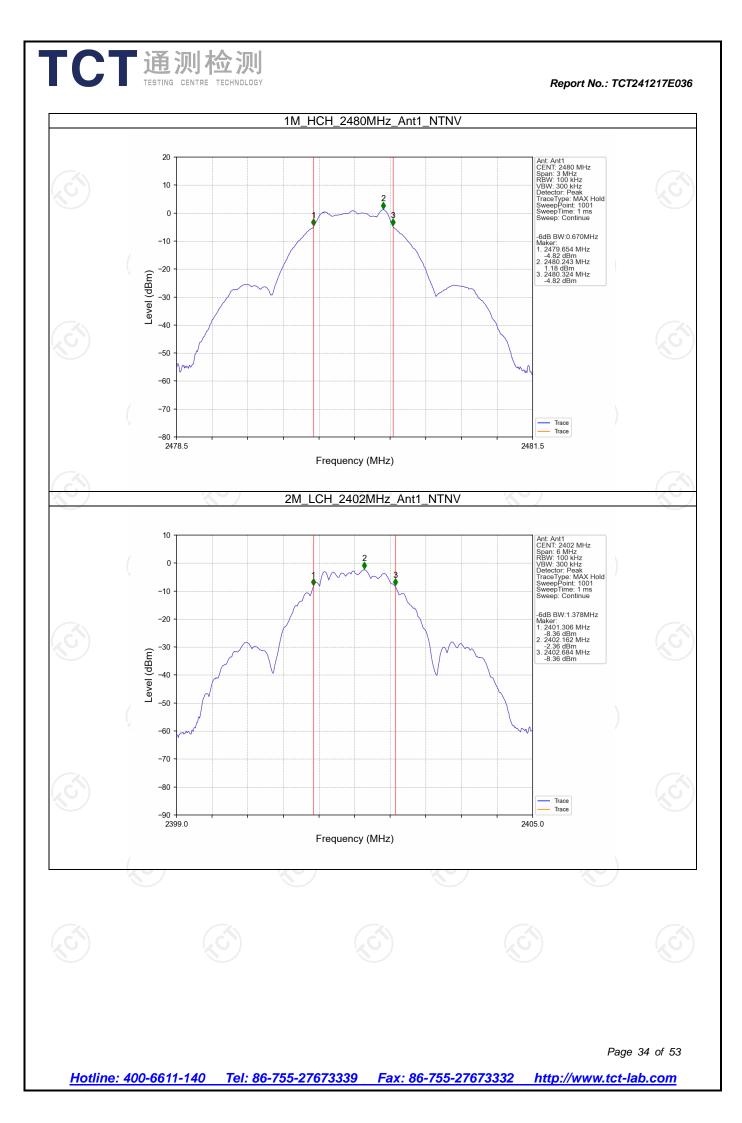


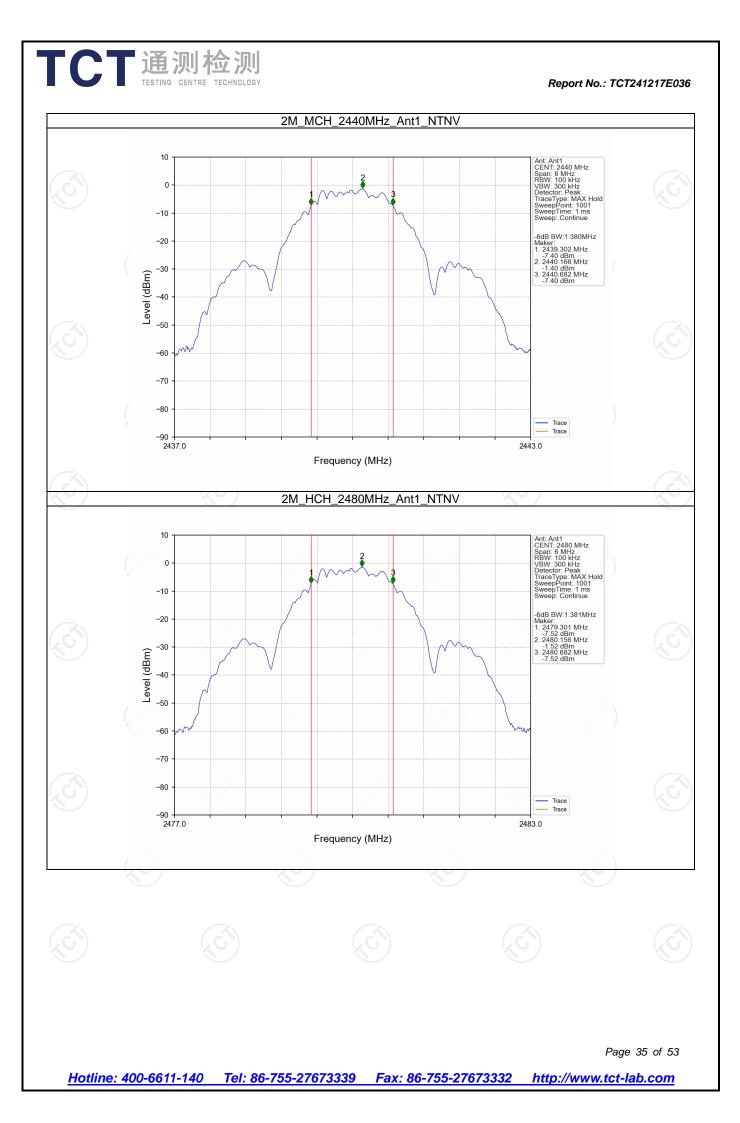
Report No.: TCT241217E036











3. Maximum Conducted Output Power

3.1 Test Result

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3.1.1 Power

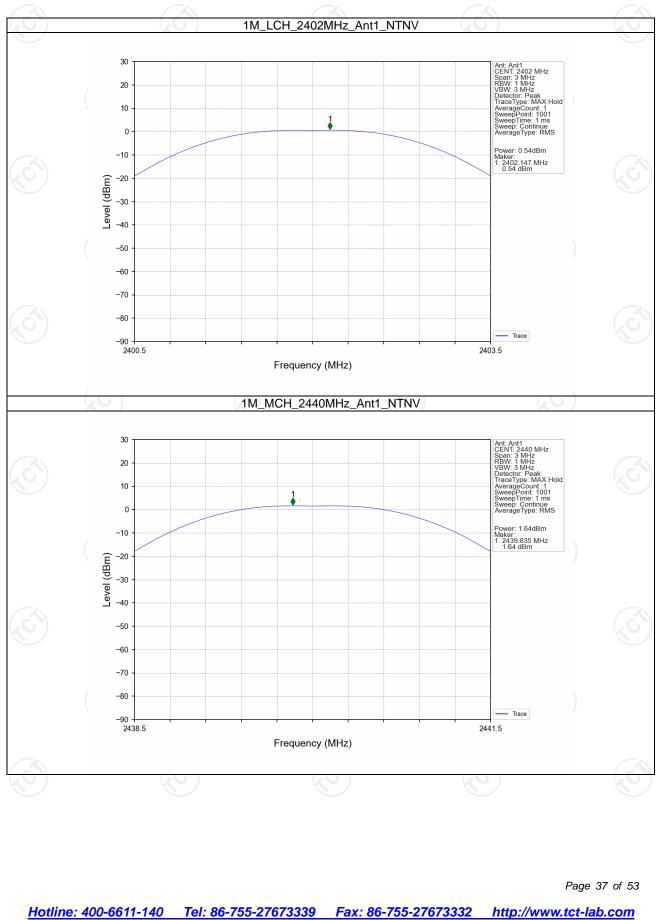
| Mode 1M | TX Type SISO SISO | (M 24 24 24 24 24 24 24 24 | uency | Maximum Pea ANT1 0.54 1.64 1.51 0.53 1.54 1.44 | k Conducted C | Dutput Power (r Limit <=30 <=30 <=30 <=30 <=30 <=30 <=30 <=30 <=30 | dBm) | Verdict Pass Pass Pass Pass Pass Pass |
|-------------|----------------------------|--|-------|---|---------------|--|------|---|
| Note1: Ante | nna Gain: Ant | <u>1: -5.20dBi;</u> | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
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| | | | | | | | | |

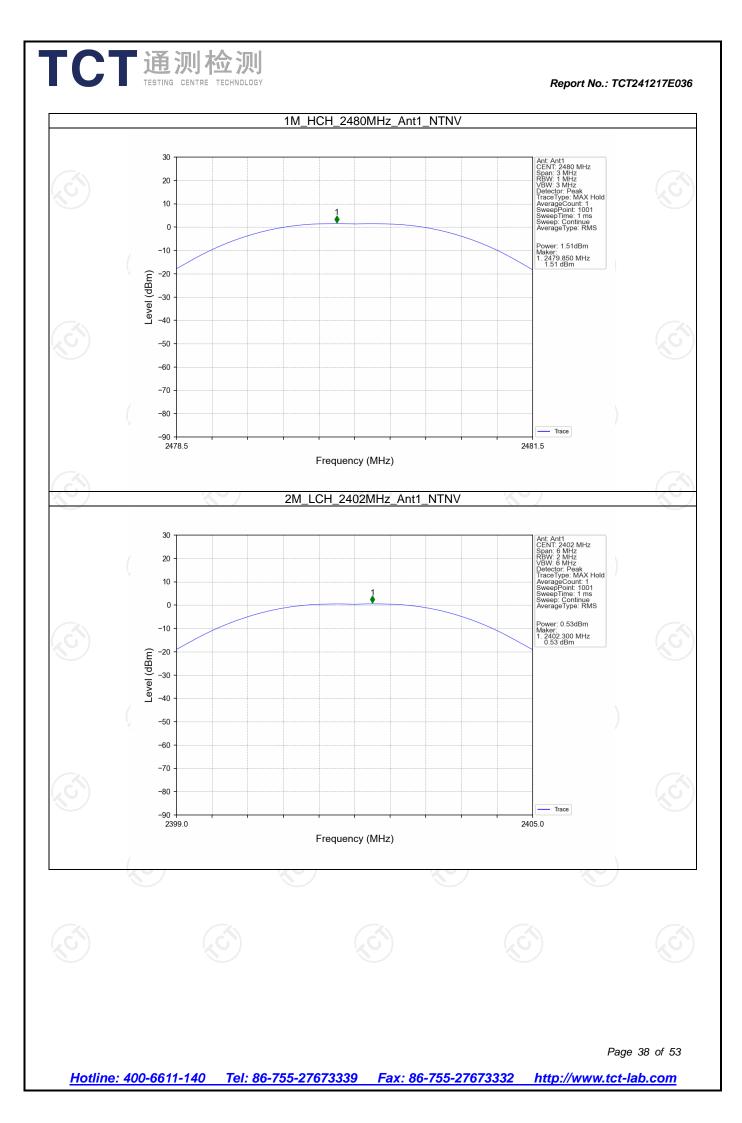


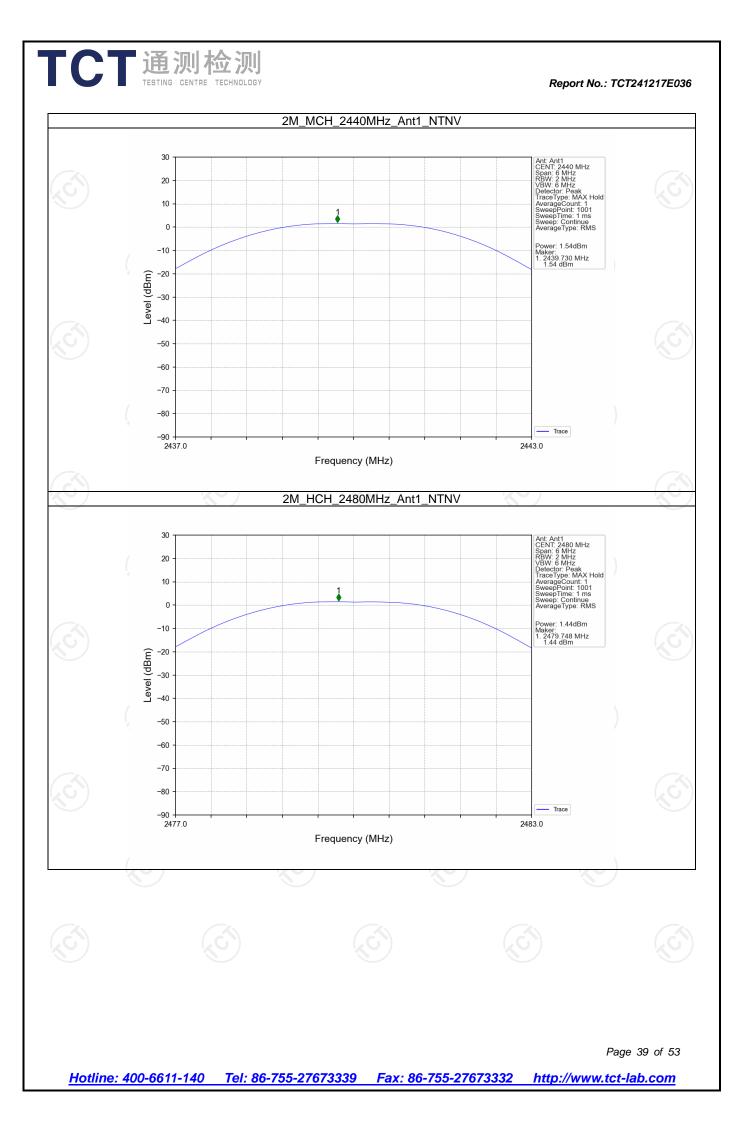
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3.2 Test Graph

3.2.1 Power







4. Maximum Power Spectral Density

4.1 Test Result

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4.1.1 PSD

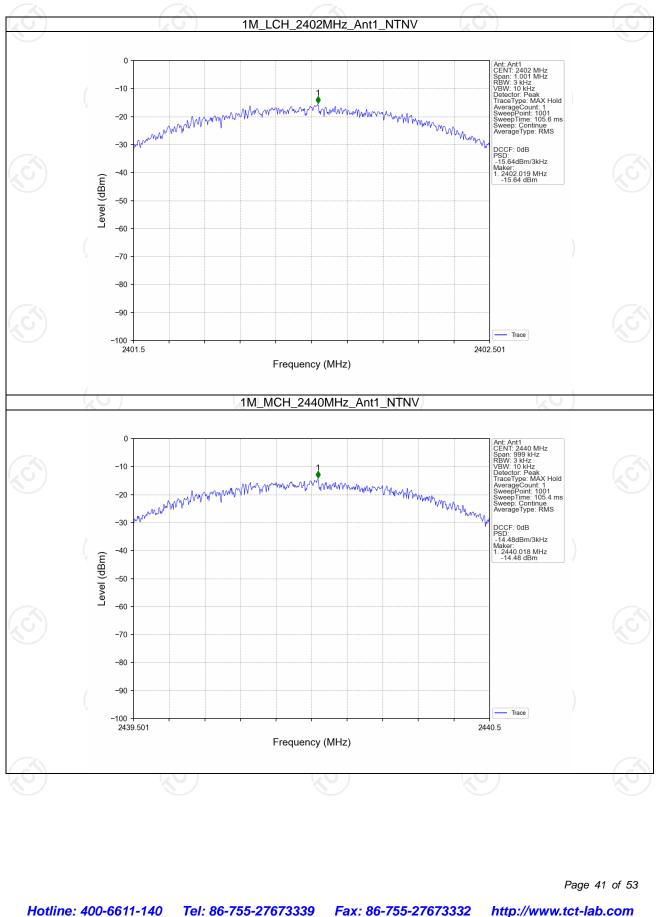
| Mode | ТХ | Frequency | Maximum PSD (dBm/3kHz) | | Mandat | |
|------|---------------------|-----------|------------------------|-------|---------|--|
| | Туре | (MHz) | ANT1 | Limit | Verdict | |
| | | 2402 | -15.64 | <=8 | Pass | |
| 1M | SISO | 2440 | -14.48 | <=8 | Pass | |
| | | 2480 | -14.88 | <=8 | Pass | |
| 2M | siso | 2402 | -21.87 | <=8 | Pass | |
| | | 2440 | -20.87 | <=8 | Pass | |
| | | 2480 | -20.99 | <=8 | Pass | |
| Ç | a Gain: Ant1: -5.20 | | | | | |
| | | | | | | |

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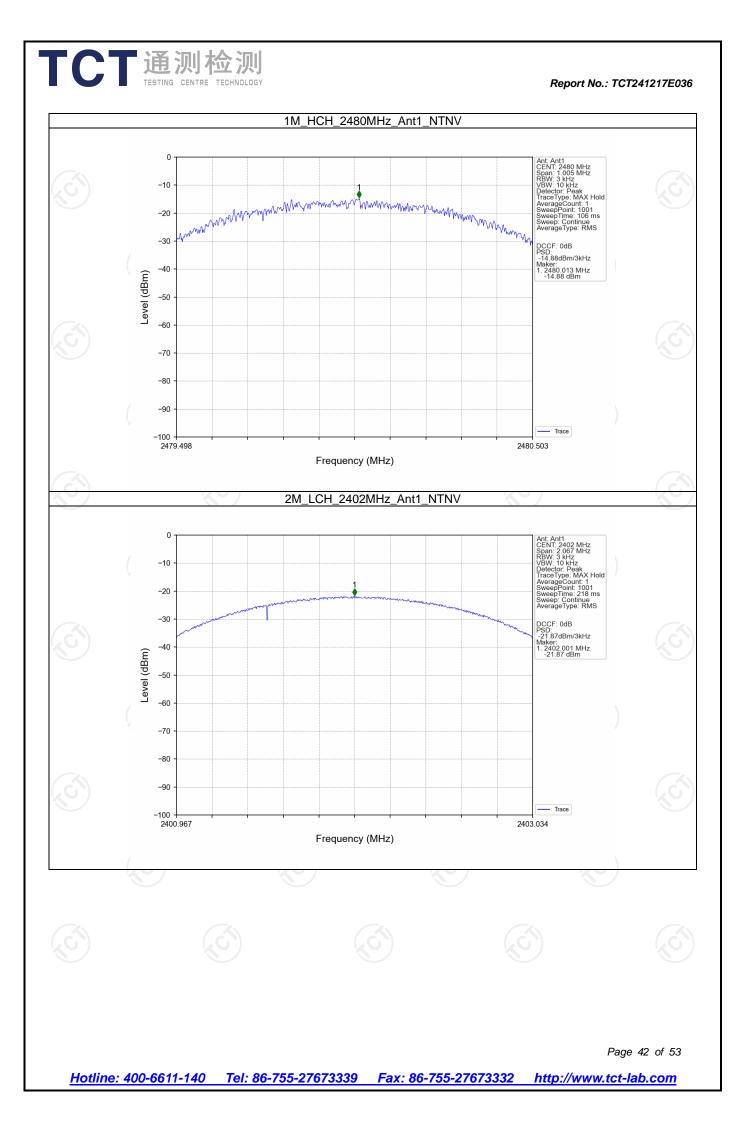


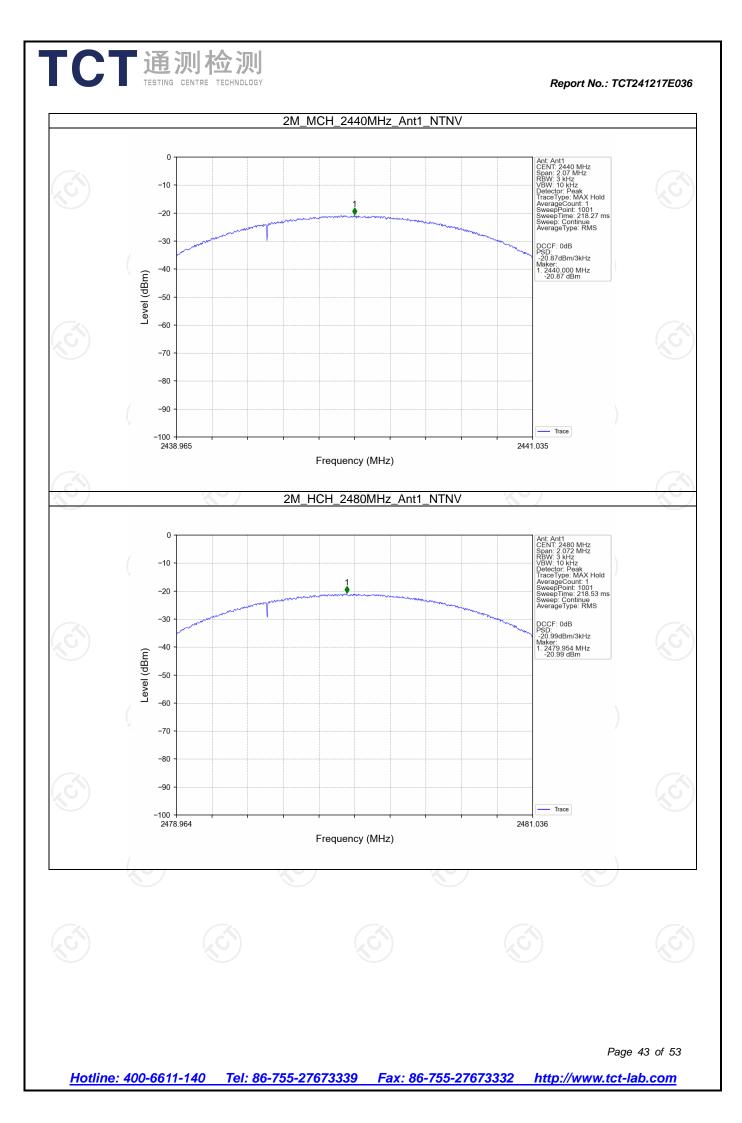
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4.2.1 PSD



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5. Unwanted Emissions In Non-restricted Frequency Bands

5.1 Test Result

TCT 通测检测 TESTING CENTRE TECHNOLOGY





5.1.1 Ref

| Mode TX Type | | Frequency (MHz) ANT | | Level of Reference (dBm) | | |
|-----------------|------|------------------------|---|-----------------------------|--|--|
| | | 2402 | 1 | 0.26 | | |
| 1M | SISO | 2440 | 1 | 1.33 | | |
| | | 2480 | 1 | 1.17 | | |
| | | 2402 | 1 | -2.71 | | |
| 2M | SISO | 2440 | 1 | -1.68 | | |
| | | 2480 | 1 | -1.83 | | |

Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2020, the channel contains the maximum PSD level was used to establish the reference level.

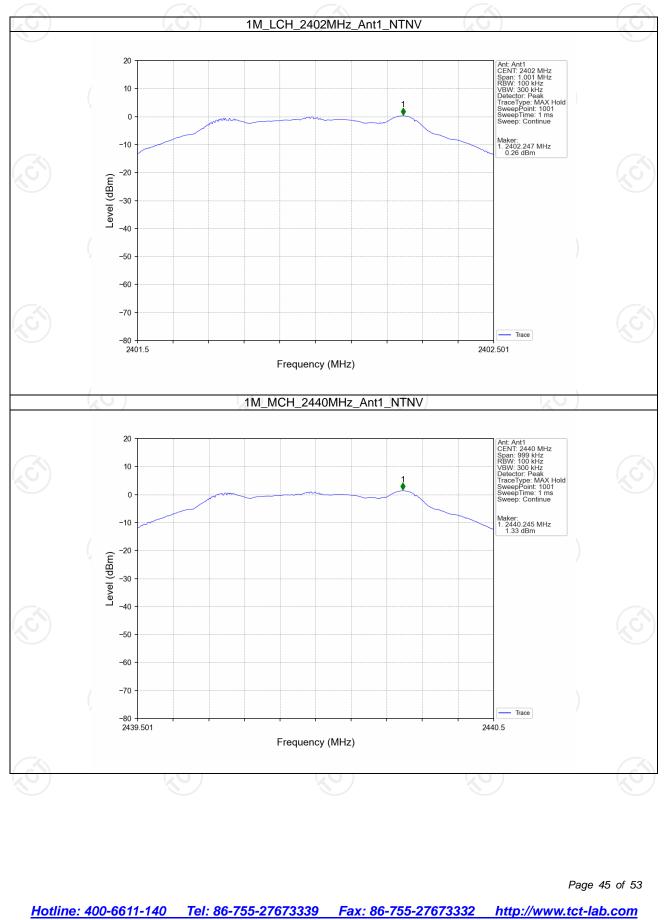
5.1.2 CSE

| D |
|------|
| Pass |
| v |

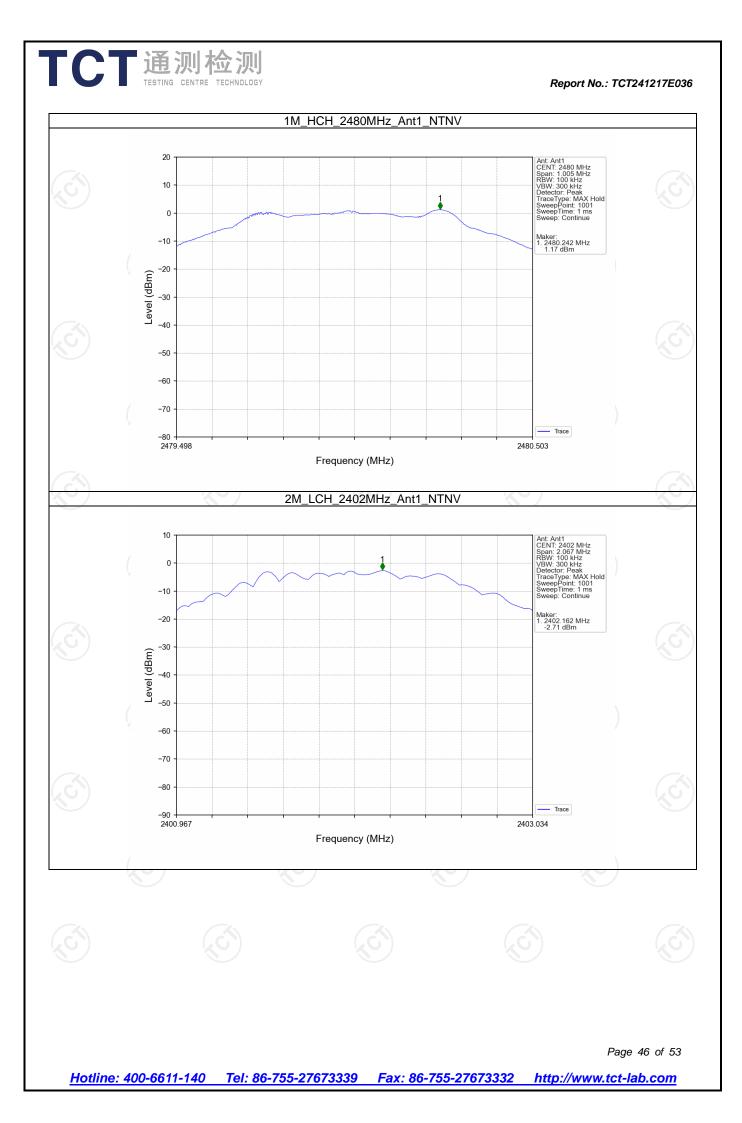


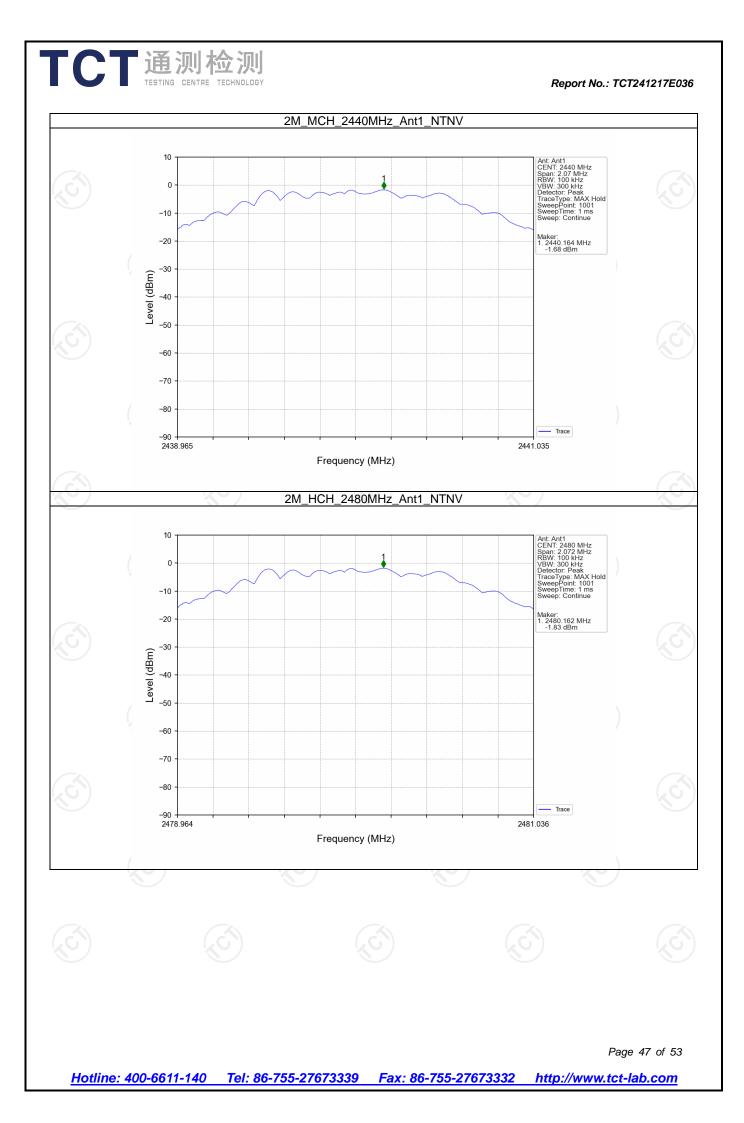
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5.2.1 Ref



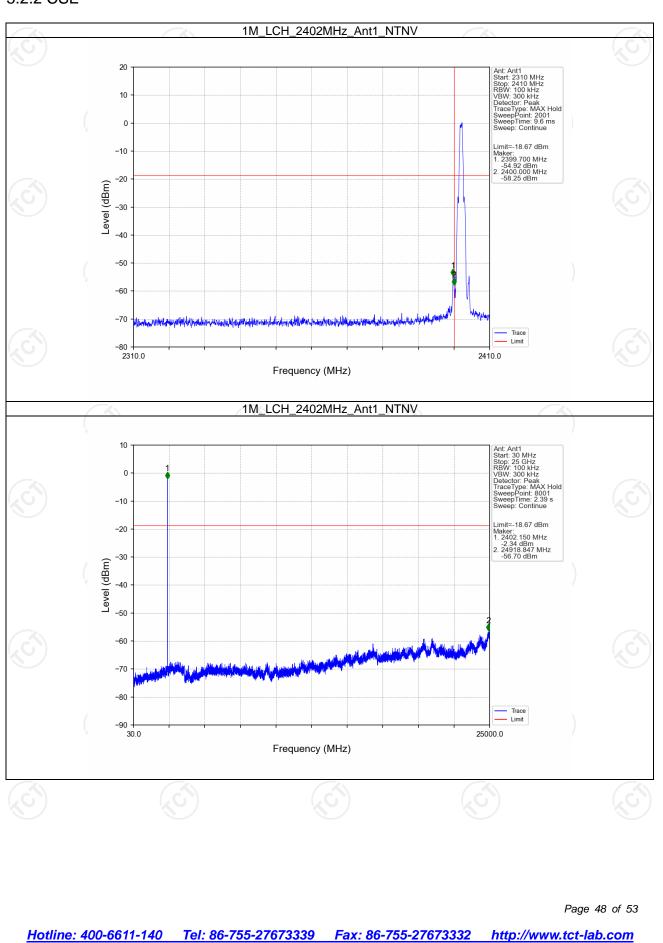
Report No.: TCT241217E036







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Report No.: TCT241217E036

