



| CHNOLOGY Cert #4320.01 |
|---|
| TEST REPORT |
| AUST150 |
| TCT220321E063 |
| Apr. 12, 2022 |
| SHENZHEN TONGCE TESTING LAB |
| TCT Testing Industrial Park Fuqiao 5th Industrial Zone, Fuhai Street, Bao'an District Shenzhen, Guangdong, 518103, People's Republic of China |
| Modern Marketing Concepts, Inc. |
| 1220 E Oak, St. Louisville, KY 40204 United States |
| Timsen Development Limited |
| 5F, 447# Tianhebei Road, Guangzhou, China |
| FCC CFR Title 47 Part 15 Subpart C Section 15.247 FCC KDB 558074 D01 15.247 Meas Guidance v05r02 ANSI C63.10:2013 |
| Stereo Turntable System |
| Crosley |
| T150C-BK, T150XX-XXXX ("XX-XXXX" can be replaced by letter from "A" to "Z", number from "0" to "9"or blank) |
| Adapter Information: MODEL: JQS0361A-U120250 INPUT: AC 100-240V, 50/60Hz, 0.85A OUTPUT: DC 12.0V, 2.5mA |
| Mar. 21, 2022 |
| Mar. 21, 2022 - Apr. 12, 2022 |
| Rieo LIU |
| Beryl ZHAO |
| Tomsin |
| |

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TCT通测检测 TESTING CENTRE TECHNOLOGY

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TCT通测检测 TCT通测检测

1. General Product Information

1.1. EUT description

| Product Name: | Stereo Turntable System | | | |
|-----------------------|--|-----------------|----------|-------------------------|
| Model/Type reference: | Т150С-ВК | S S | | S |
| Sample Number | TCT220321E062-0101 | | <u>_</u> | |
| Bluetooth Version: | V5.1 (This report is for BLE) | | (S) | |
| Operation Frequency: | 2402MHz~2480MHz | | | |
| Channel Separation: | 2MHz | (\mathcal{C}) | | (\mathbf{c}^{\prime}) |
| Number of Channel: | 40 | | | |
| Modulation Type: | GFSK | | | |
| Antenna Type: | PCB Antenna | | × | |
| Antenna Gain: | -0.58dBi | | | |
| Rating(s): | Adapter Information: MODEL: JQS0361A-U120250 INPUT: AC 100-240V, 50/60Hz, 0 OUTPUT: DC 12.0V, 2.5mA | 0.85A | | |

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

| No. | Model No. | Tested with |
|--------------|--|-------------|
| 1 | Т150С-ВК | \boxtimes |
| Other models | T150XX-XXXX ("XX-XXXX" can be replaced by letter from "A" to "Z", number from "0" to "9"or blank) | |

Note: T150C-BK is tested model, other models are derivative models. The models are identical in circuit and PCB layout, only different on the model names and colors. So the test data of T150C-BK can represent the remaining models.

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 | | | |
| ~~ | | x | | * | | ···· | (| | | |
| 8 | 2418MHz | 18 | 2438MHz | 28 | 2458MHz | 38 | 2478MHz | | | |
| 9 | 2420MHz | 19 | 2440MHz | 29 | 2460MHz | 39 | 2480MHz | | | |
| Remark: Channel 0, 19 & 39 have been tested. | | | | | | | | | | |

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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.
- 5. After pre-testing the two earphones, the two earphones are left and right ears respectively; we found that the left earphone is the worst case, so the results are recorded in this report.

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3. General Information

3.1. Test environment and mode

| Operating Environment: | | | | | | | | |
|------------------------|--------------------|-------------------|--|--|--|--|--|--|
| Condition | Conducted Emission | Radiated Emission | | | | | | |
| Temperature: | 25 °C | 24.6 °C | | | | | | |
| Humidity: | 55 % RH | 52 % RH | | | | | | |
| Atmospheric Pressure: | 1010 mbar | 1010 mbar | | | | | | |
| Test Software: | | | | | | | | |
| Software Information: | FCC_assist_1.0.2.2 | | | | | | | |
| Power Level: | 10 | | | | | | | |
| Test Mode: | | | | | | | | |
| | | | | | | | | |

Engineering mode: Keep the EUT in continuous transmitting by select channel and modulations

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 |
|-----------|-----------|------------|--------|------------|
| | | | | 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-1

SHENZHEN TONGCE TESTING LAB

CAB identifier: CN0031

The testing lab has been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing.

4.2. Location

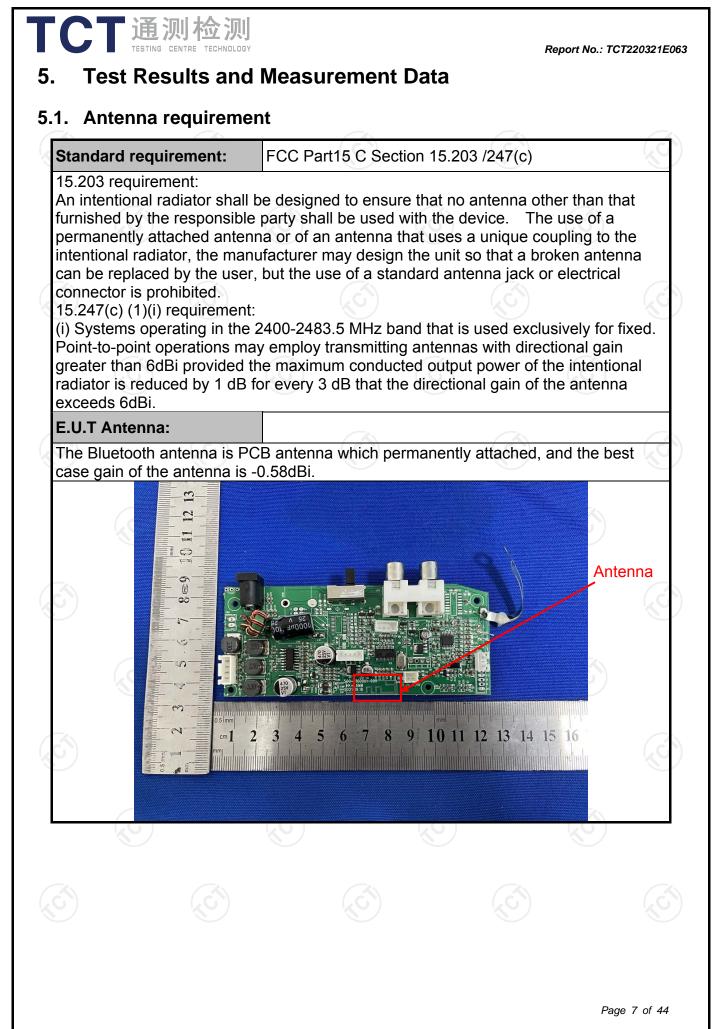
SHENZHEN TONGCE TESTING LAB

Address: TCT Testing Industrial Park Fuqiao 5th Industrial Zone, Fuhai Street, 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 |
| | | |



5.2. Conducted Emission

5.2.1. Test Specification

| Test Requirement: | FCC Part15 C Section | 15.207 | K | | | | | | | | |
|---------------------------------|---|--|--|--|--|--|--|--|--|--|--|
| Test Method: | ANSI C63.10:2013 | | | | | | | | | | |
| Frequency Range: | 150 kHz to 30 MHz | 150 kHz to 30 MHz | | | | | | | | | |
| Receiver setup: | RBW=9 kHz, VBW=30 |) kHz, Sweep time | ≔auto | | | | | | | | |
| | Frequency range | dBuV) | | | | | | | | | |
| | (MHz) | Quasi-peak | Áverage | | | | | | | | |
| Limits: | 0.15-0.5 | 66 to 56* | 56 to 46* | | | | | | | | |
| | 0.5-5 | 56 | 46 | | | | | | | | |
| | 5-30 | 60 | 50 | | | | | | | | |
| | Refere | nce Plane | 201 | | | | | | | | |
| Test Setup: | E.U.T Adapter Filter AC power EMI Receiver Remark E.U.T: Equipment Under Test LISN: Line Impedence Stabilization Network Test table height=0.8m | | | | | | | | | | |
| Test Mode: | Transmitting Mode | | | | | | | | | | |
| | The E.U.T is connelimpedance stabilizing provides a 500hm/s measuring equipme The peripheral device power through a Line coupling impedance | zation network 50uH coupling im nt. ces are also conne ISN that provides | (L.I.S.N.). This pedance for the ected to the main a 50ohm/50uH | | | | | | | | |
| Test Procedure: | refer to the block photographs). 3. Both sides of A.C. conducted interference emission, the relative the interface cables ANSI C63 10:2013 (| line are checkence. In order to fir e positions of equ s must be chang | ed for maximum nd the maximum ipment and all o ed according to | | | | | | | | |
| Test Procedure: Test Result: | photographs). 3. Both sides of A.C. conducted interferen emission, the relativ | line are checkence. In order to fir e positions of equ s must be chang | ed for maximum nd the maximum ipment and all o ed according to | | | | | | | | |

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http://www.tct-lab.com

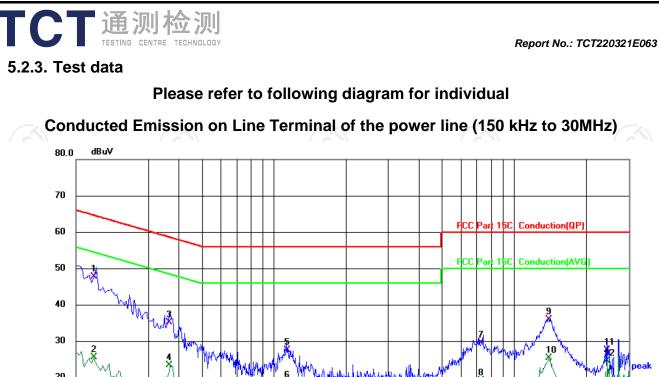
5.2.2. Test Instruments

Hotline: 400-6611-140

Tel: 86-755-27673339

Fax: 86-755-27673332

| Conducted Emission Shielding Room Test Site (843) | | | | | | | | | | | | |
|---|-----------------------|-----------|---------------|-----------------|--|--|--|--|--|--|--|--|
| Equipment | Manufacturer | Model | Serial Number | Calibration Due | | | | | | | | |
| EMI Test Receiver | R&S | ESCI3 | 100898 | Jul. 07, 2022 | | | | | | | | |
| Line Impedance Stabilisation Newtork(LISN) | Schwarzbeck | NSLK 8126 | 8126453 | Feb. 24, 2023 | | | | | | | | |
| Line-5 | ТСТ | CE-05 | N/A | Jul. 07, 2022 | | | | | | | | |
| EMI Test Software | Shurple Technology | EZ-EMC | N/A | N/A | | | | | | | | |



| ∠0 ⊢ | | | | | | | | | | | | | | | | | | | | |
|-------------|---------------|-------|------|-----------------|----|-------|---|-----------|-------|----------------|------------|--------|-------|------|-------|------|---------|-------------------------|----------|--------|
| 20 | "Mrv | mm. I | h.i | | | | | Ă " | 1 WIL | Main and | NIO API TA | | | M | Wh | | and the | No. of Concession, Name | | AVG |
| 10 | | | WWW | ۹ ⁰⁰ | ₩. | , the | w | Juntering | 61 da | | | | meren | | | | | Ser. | A AN | |
| 10 | | | | <u> </u> | 14 | | | 1 | 10-11 | hth/ pharmali- | wyhere and | where, | | | | | | | | 1 |
| 0.0 | | | | | | | | | | | | | | | | | | | | |
| 0.1 | 50 | | 0.50 | <u>י</u> | | _ | | | (M | IHz) | | 5 | 000 | | | | | | | 30.000 |
| Site 844 Sh | nielding Roon | n | | | | | | Phase | e: L | .1 | | Te | mpe | ratu | re: 2 | 25 (| (°C) | Humi | idity: 5 | 5 % |



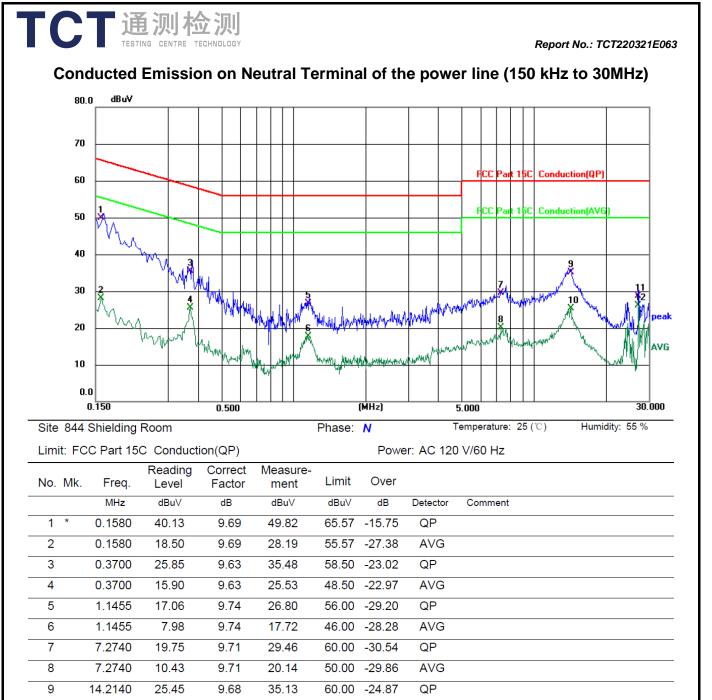
Power: AC 120 V/60 Hz

| No. | Mk. | Freq. | Reading Level | Correct Factor | Measure- ment | Limit | Over | | |
|-----|-----|---------|------------------|-------------------|------------------|-------|--------|----------|---------|
| | | MHz | dBu∨ | dB | dBuV | dBu∨ | dB | Detector | Comment |
| 1 | * | 0.1779 | 37.95 | 9.68 | 47.63 | 64.58 | -16.95 | QP | |
| 2 | | 0.1779 | 15.76 | 9.68 | 25.44 | 54.58 | -29.14 | AVG | |
| 3 | | 0.3659 | 25.56 | 9.62 | 35.18 | 58.59 | -23.41 | QP | |
| 4 | | 0.3659 | 13.72 | 9.62 | 23.34 | 48.59 | -25.25 | AVG | |
| 5 | | 1.1334 | 17.71 | 9.75 | 27.46 | 56.00 | -28.54 | QP | |
| 6 | | 1.1334 | 8.66 | 9.75 | 18.41 | 46.00 | -27.59 | AVG | |
| 7 | | 7.3140 | 19.69 | 9.81 | 29.50 | 60.00 | -30.50 | QP | |
| 8 | | 7.3140 | 9.36 | 9.81 | 19.17 | 50.00 | -30.83 | AVG | |
| 9 | | 13.9176 | 26.13 | 9.77 | 35.90 | 60.00 | -24.10 | QP | |
| 10 | | 13.9176 | 15.53 | 9.77 | 25.30 | 50.00 | -24.70 | AVG | |
| 11 | | 24.3500 | 17.81 | 9.67 | 27.48 | 60.00 | -32.52 | QP | |
| 12 | | 24.3500 | 14.74 | 9.67 | 24.41 | 50.00 | -25.59 | AVG | |

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



Note:

10

11

12

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

9.68

9.72

9.72

25.32

28.64

26.05

AVG =average

14.2140

27.1580

27.1580

15.64

18.92

16.33

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

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50.00 -24.68

60.00 -31.36

50.00 -23.95

AVG

QP

AVG



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 × 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 | MY49100619 | Jul. 18, 2022 |
| Combiner Box | Ascentest | AT890-RFB | N/A | Jul. 07, 2022 |



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 | MY49100619 | Jul. 18, 2022 |
| Combiner Box | Ascentest | AT890-RFB | N/A | Jul. 07, 2022 |



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: | |
| | Spectrum Analyzer EUT |
| Test Mode: | Refer to item 3.1 |
| Test Procedure: | The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. 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 | MY49100619 | Jul. 18, 2022 |
| Combiner Box | Ascentest | AT890-RFB | N/A | Jul. 07, 2022 |

5.6. Conducted Band Edge and Spurious Emission Measurement

5.6.1. Test Specification

| Test Requirement: | FCC Part15 C Section 15.247 (d) |
|-------------------|---|
| Test Method: | KDB 558074 D01 v05r02 |
| Limit: | In any 100 kHz bandwidth outside of the authorized frequency band, the emissions which fall in the non-restricted bands shall be attenuated at least 20 dB / 30dB relative to the maximum PSD level in 100 kHz by RF conducted measurement and radiated emissions which fall in the restricted bands, as defined in Section 15.205(a), must also comply with the radiated emission limits specified in Section 15.209(a). |
| Test Setup: | |
| | Spectrum Analyzer EUT |
| Test Mode: | Refer to item 3.1 |
| | The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement. Set to the maximum power setting and enable the EUT transmit continuously. Set RBW = 100 kHz, VBW=300 kHz, Peak Detector. Unwanted Emissions measured in any 100 kHz bandwidth outside of the authorized frequency band |
| Test Procedure: | shall be attenuated by at least 20 dB relative to the maximum in-band peak PSD level in 100 kHz when maximum peak conducted output power procedure is used. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, the attenuation required under this paragraph shall be 30 dB instead of 20 dB per 15.247(d). 4. Measure and record the results in the test report. 5. The RF fundamental frequency should be excluded against the limit line in the operating frequency band. |

5.6.2. Test Instruments

Name Spectrum

(

Manufacturer

Agilent

| A | nalyzer | J. S. S. | | | | | cui re, | |
|-----|-----------|----------|-------|----------|-----|-----|----------|------|
| Com | biner Box | Ascer | ntest | AT890-RF | В | N/A | Jul. 07, | 2022 |
| | S | | S | | (C) | | Ś | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

Model No.

N9020A

Serial Number

MY49100619

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

Calibration Due

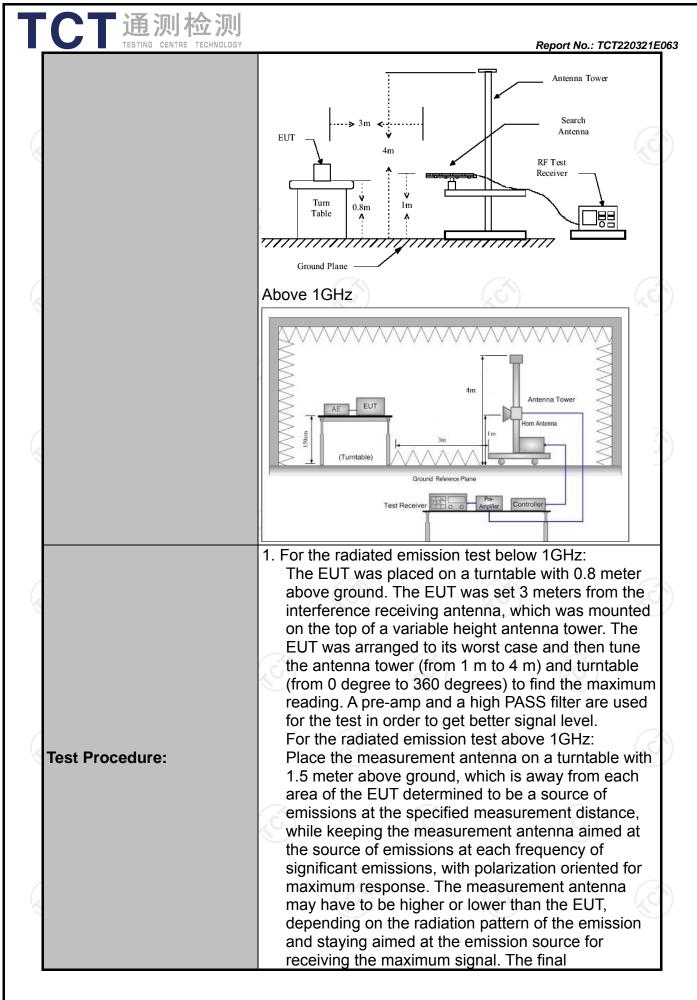
Jul. 18, 2022

5.7. Radiated Spurious Emission Measurement

5.7.1. Test Specification

| Limit: | 25 GH | Iz ertical .1 Detector Duasi-pea Quasi-pea Peak Peak | ak 20 ak 9k ak 120 1M Fie (mic) 24 24 24 24 | BW 00Hz kHz 0KHz MHz MHz eld Stre crovolts, 400/F(t 400/F(t 100 150 200 500 000 | /meter) (Hz) KHz) | Quas Quas Quas P Ave Dista | Remark si-peak Value si-peak Value eak Value erage Value asurement nce (meters) 300 30 30 30 30 30 30 30 30 30 30 30 30 |
|--|---|---|--|---|---|---|--|
| Measurement Distance: 3 m Antenna Polarization: Horizontal Operation mode: Refer to it Frequency 9kHz-150kl 9kHz-150kl 150kHz- 30MHz 30MHz-16kl 150kHz- 30MHz 30MHz-16kl 150kHz- 30MHz Above 1GF 6 Limit: Frequency Value 1770 30 88- 216 Above 10 1.770 Above 10 1.770 Above 11 1. | I & Ve tem 3. y I Hz Q Hz Q Hz Q Hz Q 0-1.705 05-30 0-88 3-216 6-960 ve 960 | ertical .1 Detector Quasi-pea Quasi-pea Peak Peak | ak 20 ak 9k ak 120 1M Fie (mic) 24 24 24 24 | 00Hz kHz 0KHz MHz eld Stre provolts, 400/F(f 4000/F(f 4000/F(f 30 100 150 200 | 1kHz 30kHz 300KHz 3MHz 10Hz ength /meter) (Hz) KHz) | Quas Quas Quas P Ave Dista | si-peak Value si-peak Value eak Value erage Value asurement nce (meters) 300 30 30 30 30 30 30 30 30 30 30 30 30 |
| Antenna Polarization:HorizontalOperation mode:Refer to itReceiver Setup:Frequency 9kHz-150kl 150kHz- 30MHz 30MHz-1GH Above 1GHLimit:Frequency 9kHz-1GH Above 1GHLimit:Frequency 9kHz-130kHz-1GH Above 1GHLimit:Frequency 9kHz-130kHz-1GH Above 1GHLimit:Frequency 9kHz-1GH Above 1GHLimit:Frequency 9kHz-1GH Above 1GHLimit:Frequency 9kHz-1GH Above 1GHLimit:Frequency 9kHz-1GH Above 1GHLimit:Frequency 9kHz-1GH 1GHLimit:Frequency 9kHz-1GH 1GHLimit:Frequency 9kHz-1GH 1GHLimit:Frequency 9kHz-1GH 1GHLimit:Frequency 9kHz-1GH 1GHLimit:Frequency 9kHz-1GH 1GHLimit:Frequency 9kHz-1GH 1GHLimit:Frequency 9kHz-1GH 1GHLimit:Frequency 9kHz-1GH 1GHLimit:Frequency 9kHz-1GH 1GHLimit:Frequency 9kHz-1GH 1GHLimit:Frequency 9kHz-1GH 1GHLimit:Frequency 9kHz-1GH 1GHLimit:Frequency 9kHz-1GH 1GHLimit:Frequency 9kHz-1GH 1GHLimit:Frequency 9kHz-1GH 1GH 1GHLimit:Frequency 1GH 1GH 1GHLimit:Frequency 1GH | tem 3. y I Hz Q Hz Q Hz Q Hz Q Hz Q 020 Hz Q Hz Z Hz Q Hz Z Hz Z H | .1 Detector Quasi-pea Quasi-pea Peak Peak | ak 20 ak 9k ak 120 1M Fie (mic) 24 24 24 24 | 00Hz kHz 0KHz MHz eld Stre provolts, 400/F(f 4000/F(f 4000/F(f 30 100 150 200 | 1kHz 30kHz 300KHz 3MHz 10Hz ength /meter) (Hz) KHz) | Quas Quas Quas P Ave Dista | si-peak Value si-peak Value eak Value erage Value asurement nce (meters) 300 30 30 30 30 30 30 30 30 30 30 30 30 |
| Operation mode:Refer to itReceiver Setup:Frequency 9kHz-150kl 150kHz- 30MHz-1GH Above 1GHLimit:Frequency 9kHz-150kl 150kHz- 30MHz-1GH Above 1GHLimit:Frequency 9kHz-150kl 150kHz- 30MHz-1GH Above 1GHLimit:Frequency 0.009 0.490Frequency 0.009Frequency 0.009Frequency 0.009Frequency 0.009Frequency 0.009Frequency 0.009Frequency 0.009Frequency 0.009Frequency Above 100Frequency Above 100Frequency Above 100Frequency Above 100Fest setup:For radiation Frequency | tem 3. y I Hz Q Hz Q Hz Q Hz Q Hz Q 020 Hz Q Hz Z Hz Q Hz Z Hz Z H | .1 Detector Quasi-pea Quasi-pea Peak Peak | ak 20 ak 9k ak 120 1M Fie (mic) 24 24 24 24 | 00Hz kHz 0KHz MHz eld Stre provolts, 400/F(f 4000/F(f 4000/F(f 30 100 150 200 | 1kHz 30kHz 300KHz 3MHz 10Hz ength /meter) (Hz) KHz) | Quas Quas Quas P Ave Dista | si-peak Value si-peak Value eak Value erage Value asurement nce (meters) 300 30 30 30 30 30 30 30 30 30 30 30 30 |
| Receiver Setup: Frequency 9kHz- 150kl 150kHz- 30MHz-1GH Above 1GH Above 1GH 0.009 0.490 1.70 300 88 216 Above Above 10 Frequency 9kHz-150kl Above 1GH Above 1.70 300 88 216 Above Above 10 Frequency Above Frequency Above Frequency Above Test setup: For radiate | y I Hz Q Hz Q Hz Q Hz Q Hz Q Hz Q Hz Q Hz Q | Detector Quasi-pea Quasi-pea Peak Peak | ak 20 ak 9k ak 120 1M Fie (mic) 24 24 24 24 | 00Hz kHz 0KHz MHz eld Stre provolts, 400/F(f 4000/F(f 4000/F(f 30 100 150 200 | 1kHz 30kHz 300KHz 3MHz 10Hz ength /meter) (Hz) KHz) | Quas Quas Quas P Ave Dista | si-peak Value si-peak Value eak Value erage Value asurement nce (meters) 300 30 30 30 30 30 30 30 30 30 30 30 30 |
| Receiver Setup: 9kHz- 150kl 30MHz-1GH Above 1GH Above 1GH 0.009 0.490 1.70 0.490 1.70 300 88 216 Above 10 Above 10 Frequent Above 10 For radiate Test setup: For radiate | Hz Q Q Q Hz Q Q | Quasi-pea Quasi-pea Quasi-peak Peak Peak | ak 20 ak 9k ak 120 1M Fie (mic) 24 24 24 24 | 00Hz kHz 0KHz MHz eld Stre provolts, 400/F(f 4000/F(f 4000/F(f 30 100 150 200 | 1kHz 30kHz 300KHz 3MHz 10Hz ength /meter) (Hz) KHz) | Quas Quas Quas P Ave Dista | si-peak Value si-peak Value eak Value erage Value asurement nce (meters) 300 30 30 30 30 30 30 30 30 30 30 30 30 |
| Limit: Test setup: | Hz 9-0.490 0-1.705 05-30 0-88 3-216 6-960 ve 960 ve 960 | Peak Peak | eld Stren | MHz MHz eld Stre crovolts, 400/F(H 4000/F(30 100 150 200 500 | 3MHz 10Hz ength /meter) (Hz) KHz) | Pe Ave Dista | eak Value erage Value asurement nce (meters) 300 30 30 30 30 30 30 30 30 30 30 30 30 |
| Limit: Freq 0.009 0.490 1.70 30 88 216 Abov Frequer Above 10 For radiate | quency 9-0.490 0-1.705 05-30 0-88 3-216 6-960 ve 960 ency | Peak | eld Stren | MHz eld Stre crovolts/ 400/F(f 400/F(30 100 150 200 500 | 10Hz ength /meter) (Hz) KHz) | Ave Me Dista | erage Value asurement nce (meters) 300 30 30 30 30 3 3 3 3 3 3 |
| Limit: Limit: D.009 0.490 1.70 30 88 216 Abov Frequer Above 10 For radiate | 9-0.490 0-1.705 05-30 0-88 -216 6-960 ve 960 ve 960 | Fie | (mic) 24 24 eld Stren rovolts/n | crovolts, 400/F(F 4000/F(30 100 150 200 500 | /meter) (Hz) KHz) | Dista | nce (meters) 300 30 30 30 3 3 3 3 3 |
| Limit: Limit: Limit: Limit: D.490 1.70 30 88 216 Abov Frequer Above 10 For radiate | 0-1.705 05-30 0-88 3-216 6-960 ve 960 ve 960 | Fie | 24 eld Stren rovolts/n | 1000/F(30 100 150 200 500 | KHz) | R | 30 30 3 3 3 3 |
| Limit: | 05-30 0-88 3-216 6-960 ve 960 ency | Fie | eld Stren | 30 100 150 200 500 | | | 30 3 3 3 3 |
| Limit: 30 88 216 Abov Frequer Above 10 For radiate | 0-88 3-216 6-960 ve 960 | | rovolts/n | 100 150 200 500 | (0) | | 3 3 3 |
| Limit: 216 Abov Frequer Above 10 For radiate | 6-216 6-960 ve 960 ency | | rovolts/n | 150 200 500 | (0) | | 3 3 |
| Test setup: | ve 960 ency | | rovolts/n | 500 | (0) | | |
| Test setup: | ency | | rovolts/n | | (0) | | 3 |
| Test setup: | - | | rovolts/n | ngth | Measure | . 1 | |
| Test setup: | GHz | | 1 1 1 | - | Distar (mete | nce | Detector |
| Test setup: | GHZ | | 500 | | 3 | 6 | Average |
| Test setup: | | | 5000 | | 3 | | Peak |
| | Distance | n table | | ow 30 | Pre- | Compu Amplifier Receiver | |
| 30MHz to | 1GHz | Z | | | | | |





| TESTING CENTRE TECHNOLOGY | Report No.: TCT220321Et 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 level will be reported. Otherwise, the emission measurement will be repeated using the quasi-peak detector and reported. Use the following spectrum analyzer settings: Span shall wide enough to fully capture the emission being measured; Set RBW=120 kHz for f < 1 GHz; VBW ≥ RBW; Sweep = auto; Detector function = peak; Trace = max hold; |
|---------------------------|--|
| | (3) 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. VBW ≥ 1/T, when duty cycle is 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 E | Emission Test Site | e (966) | |
|----------------------|-----------------------|--------------------|--------------------|-----------------|
| Name of Equipment | Manufacturer | Model | Serial Number | Calibration Due |
| EMI Test Receiver | R&S | ESIB7 | 100197 | Jul. 07, 2022 |
| Spectrum Analyzer | R&S | FSQ40 | 200061 | Jul. 07, 2022 |
| Pre-amplifier | SKET | LNPA_0118G-45 | SK2021012 102 | Feb. 24, 2023 |
| Pre-amplifier | SKET | LNPA_1840G-50 | SK2021092 03500 | Feb. 24, 2023 |
| Pre-amplifier | HP | 8447D | 2727A05017 | Jul. 07, 2022 |
| Loop antenna | ZHINAN | ZN30900A | 12024 | Sep. 05, 2022 |
| Broadband Antenna | Schwarzbeck | VULB9163 | 340 | Sep. 04, 2022 |
| Horn Antenna | Schwarzbeck | BBHA 9120D | 631 | Sep. 04, 2022 |
| Horn Antenna | Schwarzbeck | BBHA 9170 | 00956 | Apr. 10, 2023 |
| Antenna Mast | Keleto | RE-AM | N/A | N/A |
| Coaxial cable | SKET | RC_DC18G-N | N/A | Feb. 24, 2023 |
| Coaxial cable | SKET | RC-DC18G-N | N/A | Feb. 24, 2023 |
| Coaxial cable | SKET | RC-DC40G-N | N/A | Jul. 07, 2022 |
| EMI Test Software | Shurple Technology | EZ-EMC | N/A | N/A |

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5.7.3. Test Data

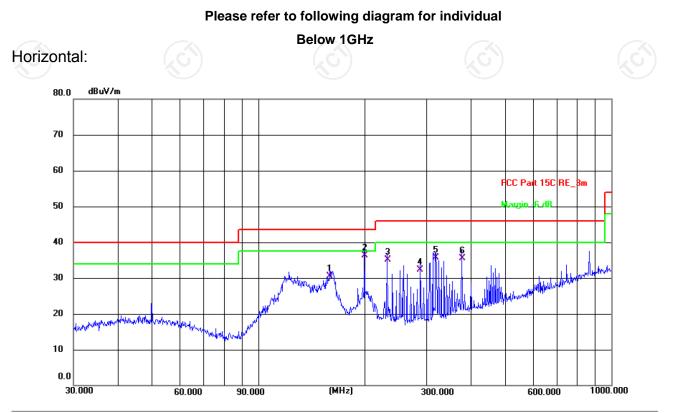
377.2591

6

19.16

16.44

35.60



Temperature: 24.6(C) Humidity: 52 % Site #2 3m Anechoic Chamber Polarization: Horizontal Limit: FCC Part 15C RE_3m Power: AC 120 V/60 Hz Frequency Reading Factor Level Limit Margin Detector P/F No. Remark (MHz) (dBuV) (dB/m) (dBuV/m) (dBuV/m) (dB) 1 159.7844 17.09 13.41 30.50 43.50 -13.00 QP Ρ 199,9856 43.50 Р 2 * 26.15 10.25 36.40 -7.10 QP 35.20 Ρ 3 231.7179 23.01 12.19 46.00 -10.80 QP 4 287.9904 18.33 13.97 32.30 46.00 -13.70 QP Ρ 5 317.7011 21.48 14.32 35.80 46.00 -10.20 QP Ρ

46.00

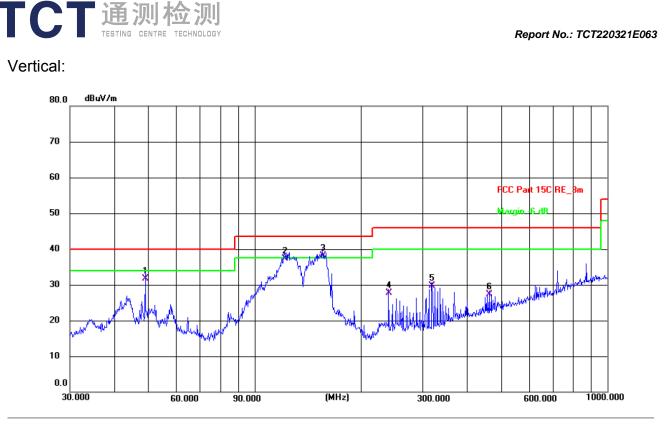
-10.40

Ρ

QP

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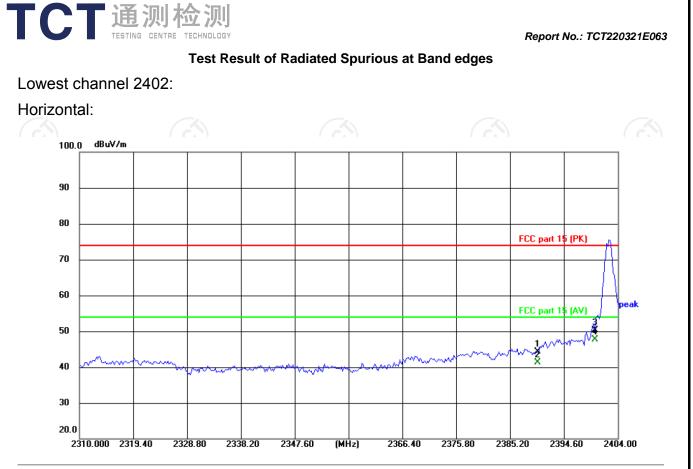
Report No.: TCT220321E063



| Site # | Site #2 3m Anechoic Chamber | | | Polarization: Vertical | | | | | mperature: 24.6(C) Humidity: 5 | 2 % |
|--------|-----------------------------|-------------------|------------------|------------------------|-------------------|----------------|----------|-----|--------------------------------|-----|
| Limit: | FCC Part 150 | C RE_3m | | | | | | | | |
| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | P/F | Remark | |
| 1 | 49.0145 | 17.90 | 13.80 | 31.70 | 40.00 | -8.30 | QP | Ρ | | |
| 2 | 121.5486 | 25.23 | 12.07 | 37.30 | 43.50 | -6.20 | QP | Ρ | | |
| 3 * | 155.9101 | 24.82 | 13.38 | 38.20 | 43.50 | -5.30 | QP | Р | | |
| 4 | 239.9874 | 15.05 | 12.75 | 27.80 | 46.00 | -18.20 | QP | Р | | |
| 5 | 318.8170 | 15.34 | 14.36 | 29.70 | 46.00 | -16.30 | QP | Р | | |
| 6 | 462.3455 | 8.72 | 18.58 | 27.30 | 46.00 | -18.70 | QP | Ρ | | |

- **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. Measurements were conducted in all three channels (high, middle, low), and the worst case Mode (Lowest channel) was submitted only.
 - Freq. = Emission frequency in MHz Measurement (dBμV/m) = Reading level (dBμV) + Corr. Factor (dB) Correction Eactor - Antanna Eactor - Cable loss - Pro amplifier
 - 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

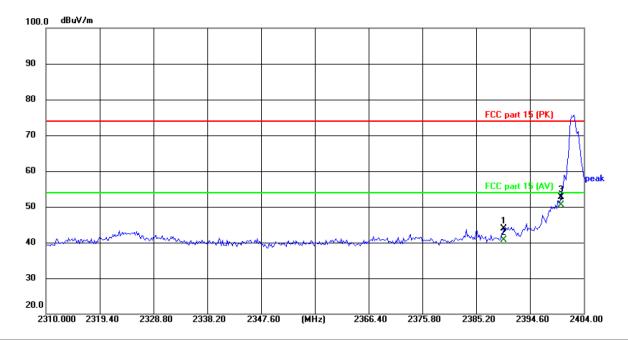
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| Site | | | | | Polariza | Polarization: Horizontal | | | Temperature: 25(°C) |
|--------|--------------------|-------------------|------------------|-------------------|-------------------|--------------------------|----------------|-----|---------------------|
| Limit: | FCC part 15 (| | Power: | DC 3 | .7∨ | | Humidity: 55 % | | |
| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | P/F | Remark |
| 1 | 2390.000 | 57.42 | -13.15 | 44.27 | 74.00 | -29.73 | peak | Ρ | |
| 2 | 2390.000 | 54.41 | -13.15 | 41.26 | 54.00 | -12.74 | AVG | Ρ | |
| 3 | 2400.000 | 63.42 | -13.12 | 50.30 | 74.00 | -23.70 | peak | Ρ | |
| 4 * | 2400.000 | 60.81 | -13.12 | 47.69 | 54.00 | -6.31 | AVG | Ρ | |

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Vertical:



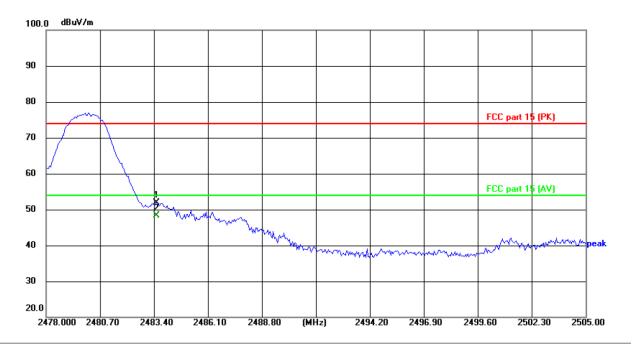
| Site | | | | | Polariza | ation: | Vertical | Temperature: 25(°C) | | |
|--------|--------------------|-------------------|------------------|-------------------|-------------------|----------------|----------|---------------------|-------------|-----|
| Limit: | FCC part 15 | (P K) | | | Power: DC 3.7V | | | | Humidity: 5 | 5 % |
| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | P/F | Remark | |
| 1 | 2390.000 | 57.04 | -13.15 | 43.89 | 74.00 | -30.11 | peak | Р | | |
| 2 | 2390.000 | 53.77 | -13.15 | 40.62 | 54.00 | -13.38 | AVG | Ρ | | |
| 3 | 2400.000 | 65.81 | -13.12 | 52.69 | 74.00 | -21.31 | peak | Р | | |
| 4 * | 2400.000 | 63.56 | -13.12 | 50.44 | 54.00 | -3.56 | AVG | Р | | |
| | - | | (* ر | | 60 |) | | - | | 5 |

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Highest channel 2480:

Horizontal:



| Site | | | | | Polarization: Horizontal | | | | Temperature: 25(℃) |
|--------|--------------------|-------------------|------------------|-------------------|--------------------------|----------------|----------------|-----|--------------------|
| Limit: | FCC part 15 (| | Power: | DC 3 | .7V | | Humidity: 55 % | | |
| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | | Margin (dB) | Detector | P/F | Remark |
| 1 | 2483.500 | 64.69 | -12.84 | 51.85 | 74.00 | -22.15 | peak | Ρ | |
| 2 * | 2483.500 | 61.20 | -12.84 | 48.36 | 54.00 | -5.64 | AVG | Ρ | |

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TECE part 15 (PK)

50

40

30

20.0

2478.000 2480.70

2483.40

2486.10

Report No.: TCT220321E063

Moeak

2505.00

munnununun

2502.30

2499.60

| Site Limit: | Site Limit: FCC part 15 (PK) | | | | | | Vertical .7∨ | | Temperature: 25(℃) Humidity: 55 % |
|----------------|--|-------|--------|-------|-------|----------------|------------------------|-----|--------------------------------------|
| No. | No. Frequency Reading Factor Level (dBuV) (dBuV) | | | | | Margin (dB) | Detector | P/F | Remark |
| 1 | 2483.500 | 60.53 | -12.84 | 47.69 | 74.00 | -26.31 | peak | Ρ | |
| 2 * | 2483.500 | 57.87 | -12.84 | 45.03 | 54.00 | -8.97 | AVG | Ρ | |

(MHz)

www

2488.80

mannon

2494.20

2496.90



Above 1GHz

| | _ | | | | | | | |
|------------------|------------------------------|---|--|---|---|---|--|--|
| Ant. Pol. H/V | Peak reading (dBµV) | AV reading (dBuV) | Correction Factor (dB/m) | Peak | AV | Peak limit (dBµV/m) | | Margin (dB) |
| Н | 43.80 | | 0.66 | 44.46 | | 74 | 54 | -9.54 |
| Н | 34.17 | | 9.50 | 43.67 | | 74 | 54 | -10.33 |
| Н | | | | | | | | |
| | | | | | | | | |
| V | 43.58 | | 0.66 | 44.24 | · | 74 | 54 | -9.76 |
| GV | 34.73 | -420 | 9.50 | 44.23 | C T | 74 | 54 | -9.77 |
| V | | | | | | | | |
| | H/V H H H V V | H/V Iteauing (dBμV) H 43.80 H 34.17 H V 43.58 V 34.73 | H/V Iteauing (dBμV) Iteauing (dBuV) H 43.80 H 34.17 H V 43.58 V 34.73 | H/V reading (dBμV) reading (dBuV) reading (dBw) reading (dB/m) H 43.80 0.66 H 34.17 9.50 H 0.66 V 43.58 0.66 V 34.73 9.50 | H/V Teading (dBμV) Teading (dBuV) Pactor (dBμV/m) Peak (dBμV/m) H 43.80 0.66 44.46 H 34.17 9.50 43.67 H V 43.58 0.66 44.24 V 34.73 9.50 44.23 | H/V reading (dBµV) reading (dBuV) reading (dBuV) reading (dBµV/m) reading (dBµV/m) <threading (dBµV/m) <threa< td=""><td>$\begin{array}{c c c c c c c c c c c c c c c c c c c$</td><td>$\begin{array}{c c c c c c c c c c c c c c c c c c c$</td></threa<></threading | $\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 $ |

Middle channel: 2440 MHz

0 4 0 0 **1** 4

| Frequency | Ant Pol | Peak | AV | Correction | Emissio | on Level | Peak limit | ΔV limit | Margin |
|-----------|---------|-------------------|-------------------|------------------|------------------|----------|------------|------------------|--------|
| (MHz) | H/V | reading (dBµV) | reading (dBµV) | Factor (dB/m) | Peak (dBµV/m) | AV | | (dBµV/m) | (dB) |
| 4880 | Н | 45.06 | | 0.99 | 46.05 | | 74 | 54 | -7.95 |
| 7320 | Н | 35.42 | | 9.87 | 45.29 | | 74 | 54 | -8.71 |
| | Н | | | → | (| | | | |
| | | | K0 |) | | | | | |
| 4880 | V | 44.25 | | 0.99 | 45.24 | | 74 | 54 | -8.76 |
| 7320 | V | 35.34 | | 9.87 | 45.21 | | 74 | 54 | -8.79 |
| | V | | | | | | | | |
| | | | | | | | | | |

High channel: 2480 MHz

| Frequency | requency Ant. Pol. | Peak | AV | Correction | Emissio | on Level | –Peak limi | t AV limit | Margin | |
|-----------|--------------------|----------------------------------|------|------------------|------------------|----------|------------|------------|--------|--|
| (MHz) H/V | | reading reading (dBµV) (dBµV) | | Factor (dB/m) | Peak (dBµV/m) | | | (dBµV/m) | (dB) | |
| 4960 | Н | 42.49 | -6.6 | 1.33 | 43.82 | | 74 | 54 | -10.18 | |
| 7440 | Н | 32.71 | | 10.22 | 42.93 | | 74 | 54 | -11.07 | |
| | Н | | | | | | | | | |
| 4960 | V | 43.64 | | 1.33 | 44.97 | | 74 | 54 | -9.03 | |
| 7440 | V | 33.52 | | 10.22 | 43.74 | | 74 | 54 | -10.26 | |
| <u> </u> | V | | | | / | | | | | |

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.

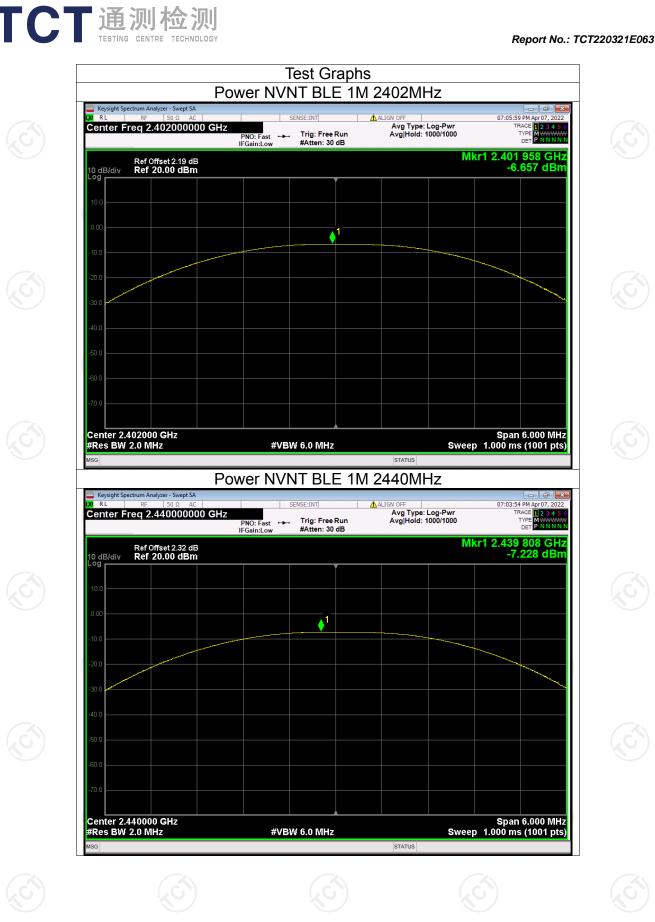
5. Data of measurement shown "---"in the above table mean that the reading of emissions is attenuated more than 20 dB below the limits or the field strength is too small to be measured.

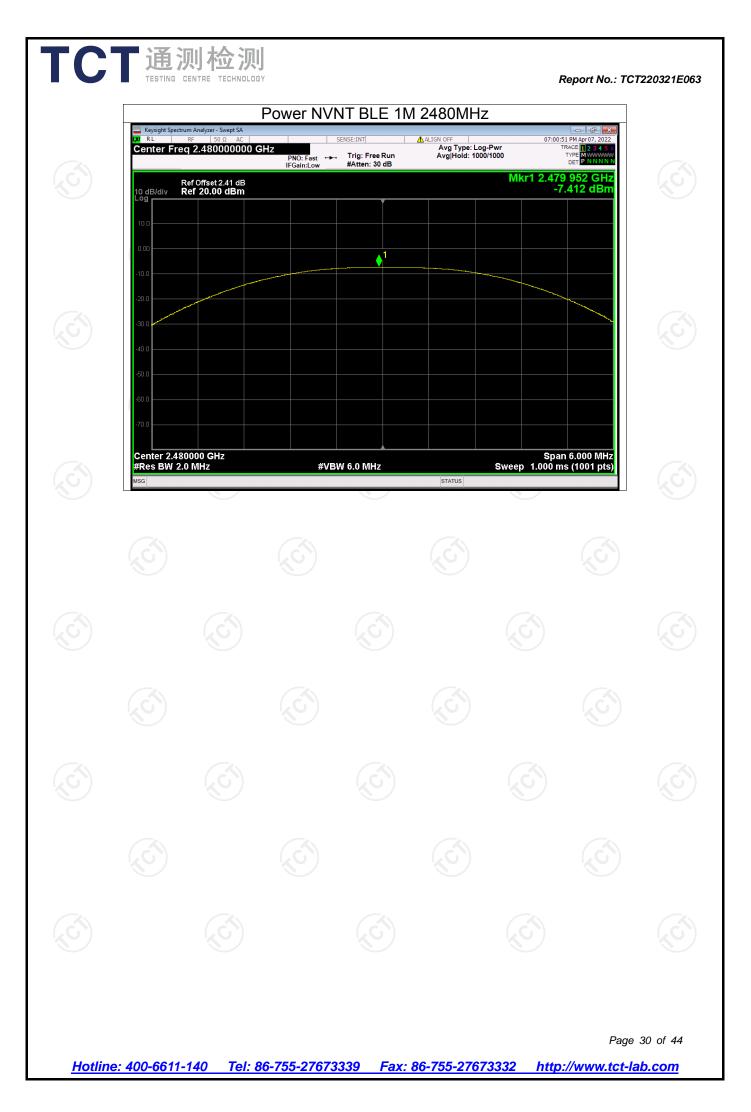
6. All the restriction bands are compliance with the limit of 15.209.



Appendix A: Test Result of Conducted Test

| Conditior | n Mode | Frequ (Mi | iency Hz) | Output Pov conducted Power (dBm) | Limit (dBm) | Verdict |
|----------------------|-------------------------|--------------|----------------|---|----------------|----------------------|
| NVNT NVNT NVNT | BLE 1 BLE 1 BLE 1 | M 24 | 02 40 80 | -6.66 -7.23 -7.41 | 30 30 30 | Pass Pass Pass |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
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| Hotline: 400-6611-140 | Tel: 86-755-27673339 | Fax: 86-755-27673332 | http://www.tct-lab.com |
|-----------------------|----------------------|----------------------|------------------------|
| | | | |

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|--|--|--|------|----------|

| -6dB Bandwidth | | | | | | | | |
|----------------|--------|--------------------|--------------------------|--------------------------------|---------|--|--|--|
| Condition | Mode | Frequency (MHz) | -6 dB Bandwidth (MHz) | Limit -6 dB Bandwidth (MHz) | Verdict | | | |
| NVNT | BLE 1M | 2402 | 0.506 | 0.5 | Pass | | | |
| NVNT | BLE 1M | 2440 | 0.503 | 0.5 | Pass | | | |
| NVNT | BLE 1M | 2480 | 0.524 | 0.5 | Pass | | | |

 TCT通测检测

 ESTING CENTRE TECHNOLOGY

 -6dB Bandwidth

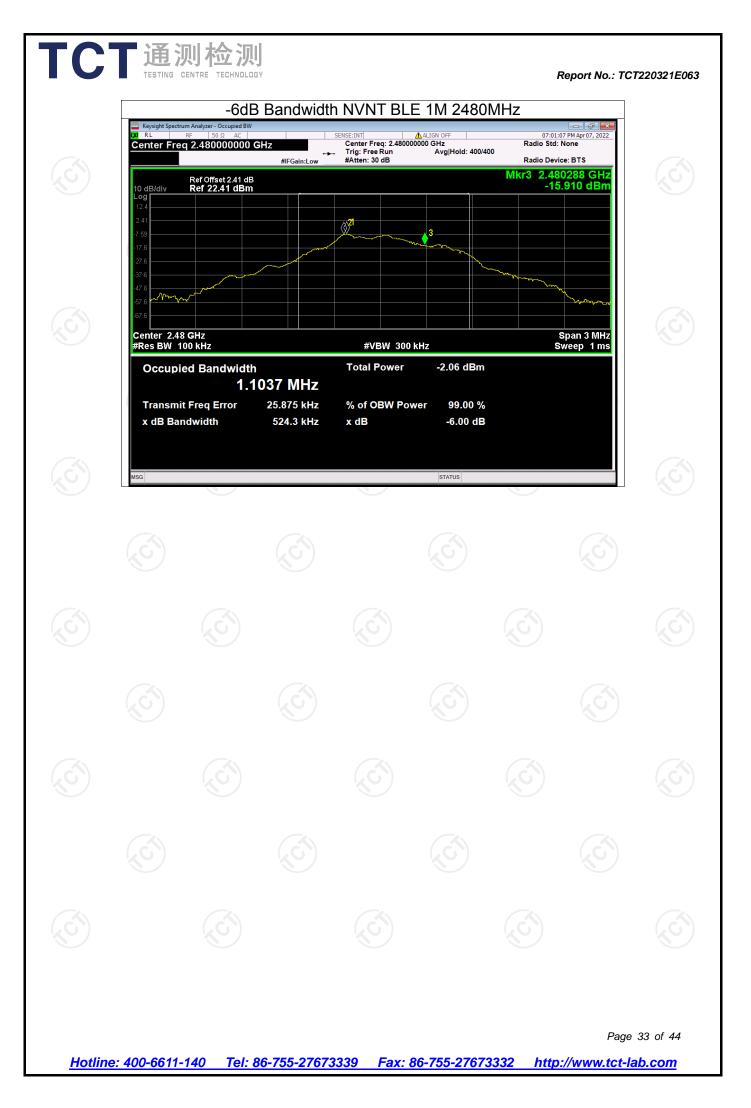
 Condition
 Mode
 Frequency
 -6 dB Bandwidth
 Limit -6 d

 NV/NT
 PLE 1M
 2402
 0.506
 0.5

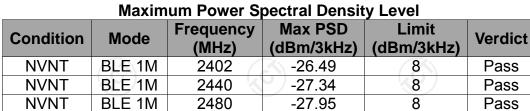




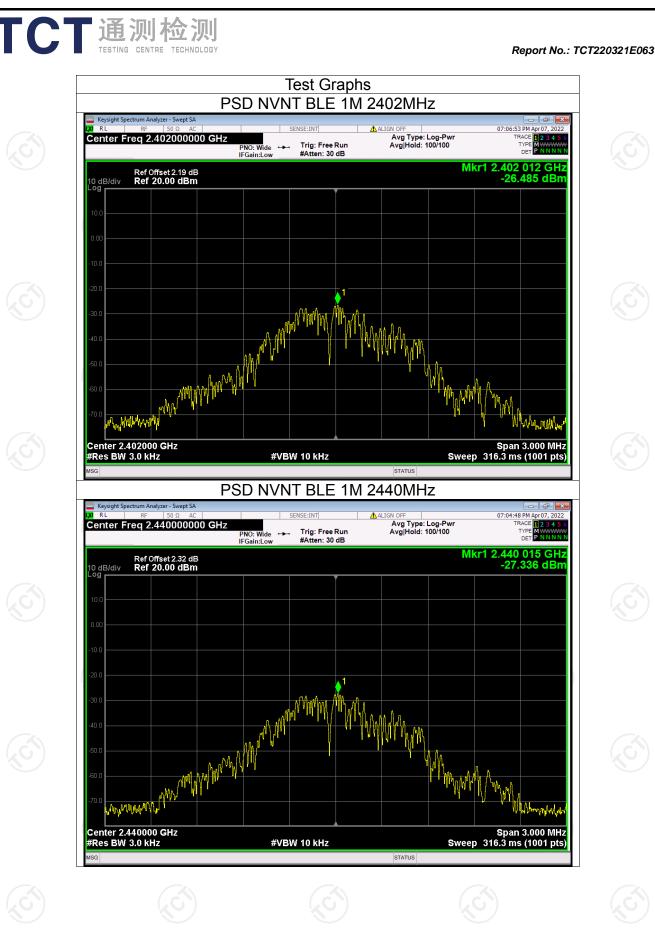
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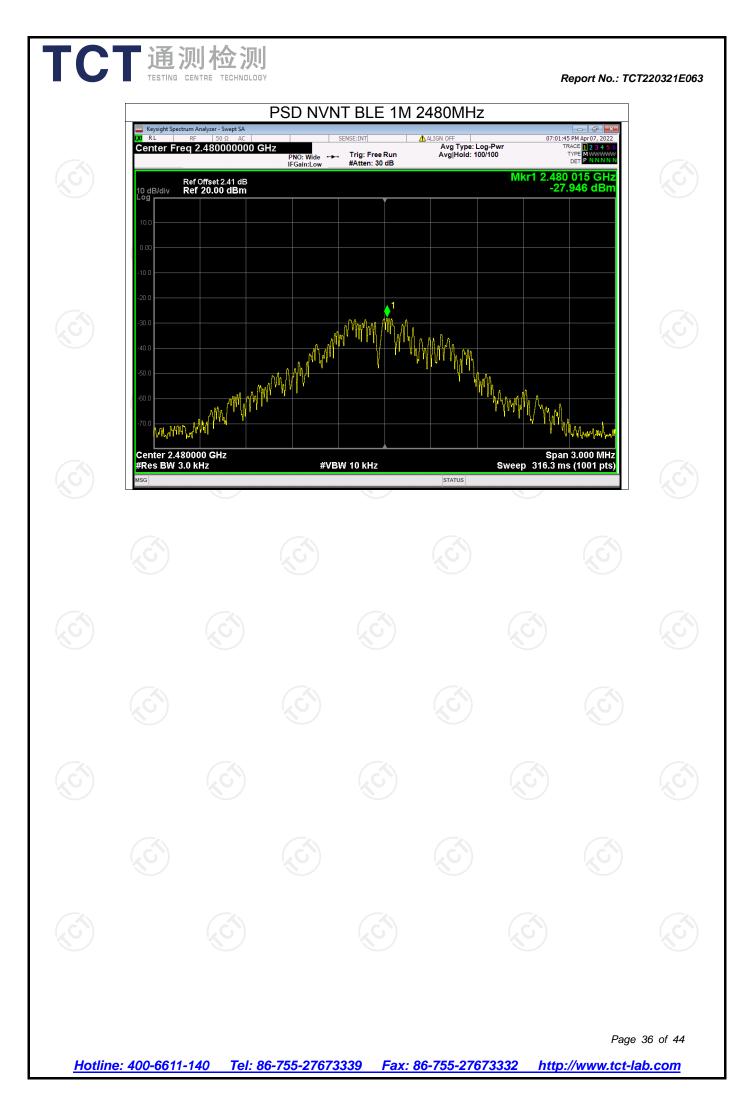
| | | | | Page | 34 of 44 |
|--|--|--|--|------|----------|
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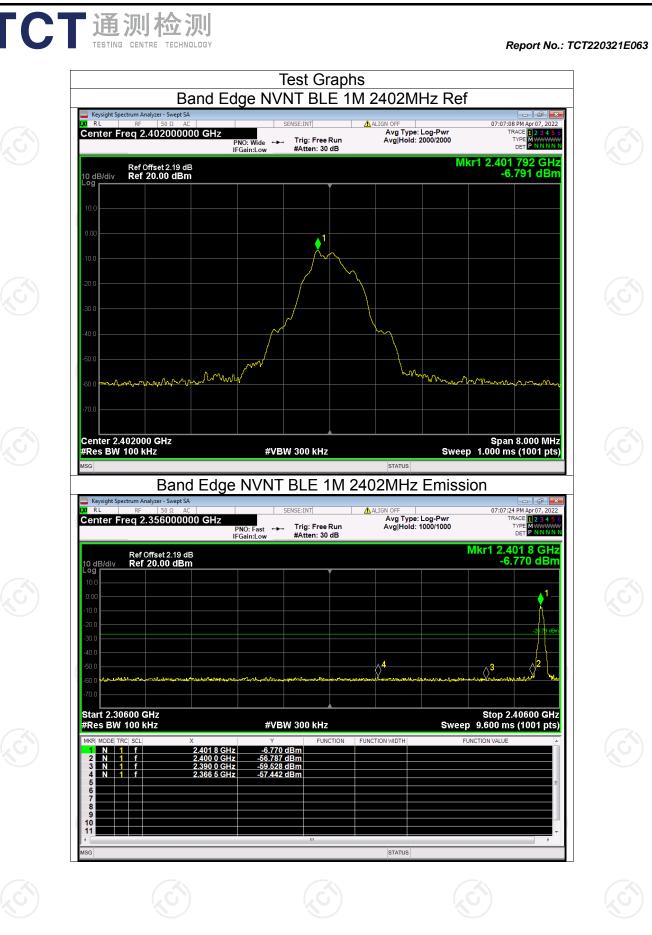




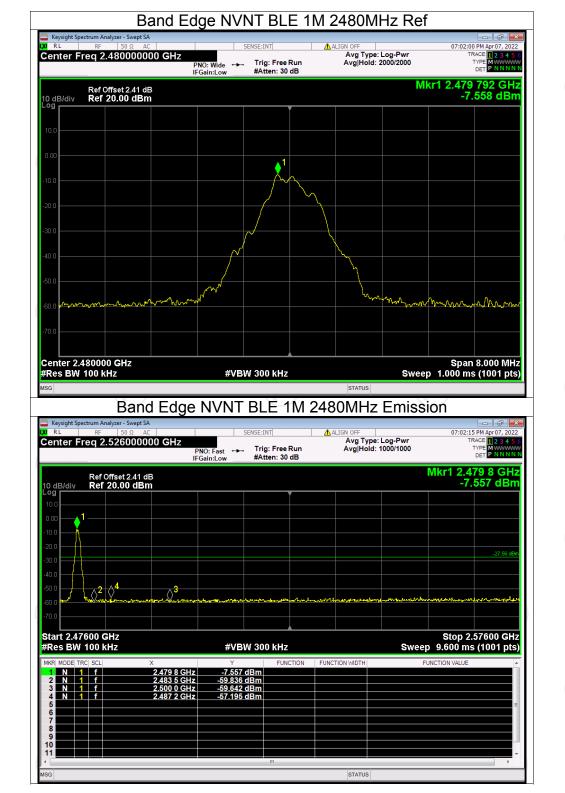
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| TCT | 通测检测 TESTING CENTRE TECHNOLO | J SY | | | | Report No.: 1 | rCT220321E063 |
|-------------|---------------------------------|----------------|-----------|-------------|----------|---------------|---------------|
| | | | Band Edg | е | | | |
| Condition | | equency (M | /Hz) Ma | x Value (dl | Bc) Lin | nit (dBc) | Verdict |
| NVNT | BLE 1M | 2402 | | -50.65 | - n. | -20 | Pass |
| NVNT | BLE 1M | 2480 | | -49.63 | | -20 | Pass |
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| | | | | | | Pa | ge 37 of 44 |
| Hotline: 40 | 0-6611-140 Tel: 8 | 86-755-2767 | 3339 Fax: | 86-755-2767 | 3332 htt | p://www.tct | -lab.com |



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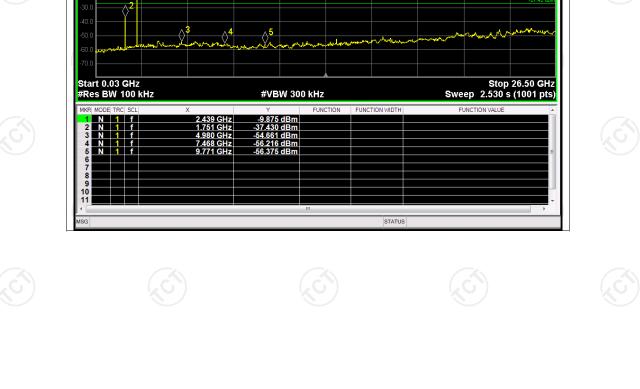
Report No.: TCT220321E063

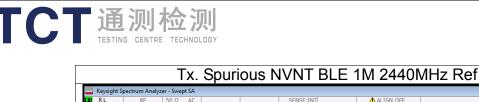
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| TC | | 则检测 | Y | | | | Report No.: 1 | TCT220321E06 |
|------------------|-------------|-------------------|-------------------------------|----------------------|------------------------------------|-------------------|--------------------------|---|
| Condition | | de Fre | onducted quency (N 2402 | RF Spurio IHz) Ma | ous Emissi x Value (d -38.45 | on Bc) Lin | nit (dBc) | Verdict |
| NVNT NVNT | - BLE | 1M | 2402 2440 2480 | | -30.45 -30.01 -37.59 | | -20 -20 -20 | Pass Pass Pass |
| | | | | | | | | |
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| <u>Hotline:</u> | : 400-6611- | <u>140 Tel: 8</u> | 86-755-2767 | 3339 Fax: | <u>86-755-2767</u> | ' <u>3332 htt</u> | Pa p://www.tct | ge 40 of 44 -lab.com |



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10 dB/div bg

Center 2.4400000 GHz #Res BW 100 kHz

10 dB/div Log **r**

Center Freq 13.265000000 GHz

Center Freq 2.440000000 GHz

Ref Offset 2.32 dB Ref 20.00 dBm

Report No.: TCT220321E063

12345 MWWW PNNNN

TYPE DET

Mkr1 2.439 781 0 GHz -7.420 dBm

Span 1.500 MHz Sweep 1.000 ms (1001 pts)

07:05:27 PM Apr 07, 2

Avg Type: Log-Pwr Avg|Hold: 10/10 TRACE 1 2 3 4 5 TYPE MWWW DET P NNNN Trig: Free Run #Atten: 30 dB PNO: Fast +++ IFGain:Low Mkr1 2.439 GHz -9.875 dBm Ref Offset 2.32 dB Ref 20.00 dBm

Tx. Spurious NVNT BLE 1M 2440MHz Emission

STATUS

🚹 ALIGN OI

#VBW 300 kHz

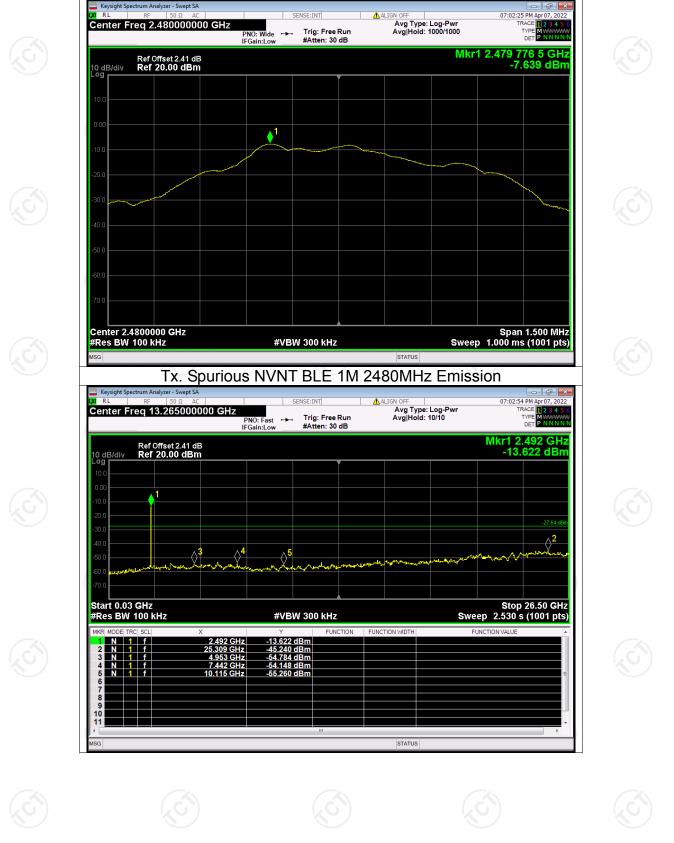
ALIGN

PNO: Wide +++ Trig: Free Run IFGain:Low #Atten: 30 dB

♦1

GN OFF Avg Type: Log-Pwr Avg|Hold: 1000/1000

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Tx. Spurious NVNT BLE 1M 2480MHz Ref

Report No.: TCT220321E063

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