|                                  | 之  |                    |                     |  |  |
|----------------------------------|--|--------------------|---------------------|--|--|
|                                  | <b>TEST REPOR</b>  | Т                  |                     |  |  |
| FCC ID:                          | 2BH9C-LPPSLSXASG   |                    |                     |  |  |
| Test Report No:                  | TCT240819E021  | $(c^{(1)})$        |                     |  |  |
| Date of issue:                   | Sep. 02, 2024  | Sep. 02, 2024      |                     |  |  |
| Testing laboratory::             | SHENZHEN TONGCE TESTING  | G LAB              |                     |  |  |
| Testing location/ address:       | 2101 & 2201, Zhenchang Factor<br>Subdistrict, Bao'an District, Sher<br>People's Republic of China  |                    |                     |  |  |
| Applicant's name::               | PRISM TECH PTE. LTD  | $(\mathcal{C})$    | $\langle c \rangle$ |  |  |
| Address:                         | 996 BENDEMEER ROAD, #03-0<br>(339944), Singapore   | 07 B CENTRAL, SING | APORE               |  |  |
| Manufacturer's name :            | PRISM TECH PTE. LTD  |                    |                     |  |  |
| Address:                         | 996 BENDEMEER ROAD, #03-0<br>(339944), Singapore   | 07 B CENTRAL, SING | APORE               |  |  |
| Standard(s):                     | FCC CFR Title 47 Part 15 Subp<br>FCC KDB 558074 D01 15.247 M<br>ANSI C63.10:2013   |                    | 2 6                 |  |  |
| Product Name::                   | Sentinel   |                    |                     |  |  |
| Trade Mark:                      | PRISM+   | (c)                |                     |  |  |
| Model/Type reference :           | LPPSLSXASG, LPPSLSXACR,<br>LPPSLSXAOB  | LPPSLSXANS, LPPS   | LSXACG,             |  |  |
| Rating(s):                       | Rechargeable Li-ion Battery DC   | 7.4V               | $(\mathbf{c}^{*})$  |  |  |
| Date of receipt of test item     | Aug. 12, 2024  |                    |                     |  |  |
| Date (s) of performance of test: | Aug. 12, 2024 ~ Sep. 02, 2024  | Ś                  |                     |  |  |
| Tested by (+signature) :         | Onnado YE  | Onnado JENGCE )    |                     |  |  |
| Check by (+signature) :          | Beryl ZHAO   | Reyle TCT          | TNO                 |  |  |
| Approved by (+signature):        | Tomsin   | Tomsies 3          |                     |  |  |
| TONGCE TESTING LAB. TH           | oduced except in full, without the<br>nis document may be altered or<br>ly, and shall be noted in the revis<br>apply to the tested sample. | revised by SHENZHE | N TONGCE            |  |  |

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

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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:         | Sentinel                      |                    |     |                    |
|-----------------------|-------------------------------|--------------------|-----|--------------------|
| Model/Type reference: | LPPSLSXASG                    |                    |     |                    |
| Sample Number         | TCT240819E021-0101            |                    |     |                    |
| Bluetooth Version:    | V5.0                          |                    |     |                    |
| Operation Frequency:  | 2402MHz~2480MHz               |                    |     |                    |
| Channel Separation:   | 2MHz                          | $(\mathbf{c}^{*})$ |     | $(\mathbf{c}^{*})$ |
| Number of Channel:    | 40                            |                    |     |                    |
| Modulation Type:      | GFSK                          |                    |     |                    |
| Antenna Type:         | PCB Antenna                   |                    | No. |                    |
| Antenna Gain:         | -1.16dBi                      |                    |     |                    |
| Rating(s):            | Rechargeable Li-ion Battery D | 0C 7.4V            |     |                    |

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

models.

| No.          | No. Model No.  |             |  |  |
|--------------|--|-------------|--|--|
|              | LPPSLSXASG   | $\boxtimes$ |  |  |
| Other models | Other models LPPSLSXACR, LPPSLSXANS, LPPSLSXACG, LPPSLSXAOB  |             |  |  |
|              | G is tested model, other models are derivative models. The models are idenly different on the model names. So the test data of LPPSLSXASG can re |             |  |  |

# **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   |
|         | (i          |          | <u></u>     |         | <u></u>   |         | <u></u>   |
| 8       | 2418MHz     | 18       | 2438MHz     | 28      | 2458MHz   | 38      | 2478MHz   |
| 9       | 2420MHz     | 19       | 2440MHz     | 29      | 2460MHz   | 39      | 2480MHz   |
| Remark: | Channel 0 1 | 9 & 39 h | ave heen te | sted    |           |         |           |

Report No.: TCT240819E021



# 2. Test Result Summary

| Requirement                         | CFR 47 Section      | Result |
|-------------------------------------|---------------------|--------|
| Antenna requirement                 | §15.203/§15.247 (c) | PASS   |
| AC Power Line Conducted<br>Emission | §15.207             | PASS   |
| Conducted Peak Output<br>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:           | 22.7 °C            | 24.8 °C           |  |  |  |  |
| Humidity:              | 52 % RH            | 52 % RH           |  |  |  |  |
| Atmospheric Pressure:  | 1010 mbar          | 1010 mbar         |  |  |  |  |
| Test Software:         |                    |                   |  |  |  |  |
| Software Information:  | SSCOM V5.13.1      |                   |  |  |  |  |
| Power Level:           | 40                 |                   |  |  |  |  |
| 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 |  |
|-----------|-----------|----------------|--------|------------|--|
| Adapter   | EP-TA200  | R37R55T6KL2SE3 |        | SAMSUNG    |  |

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 PCB antenna which permanently attached, and the best case gain of the antenna is -1.16dBi.



# 5.2. Conducted Emission

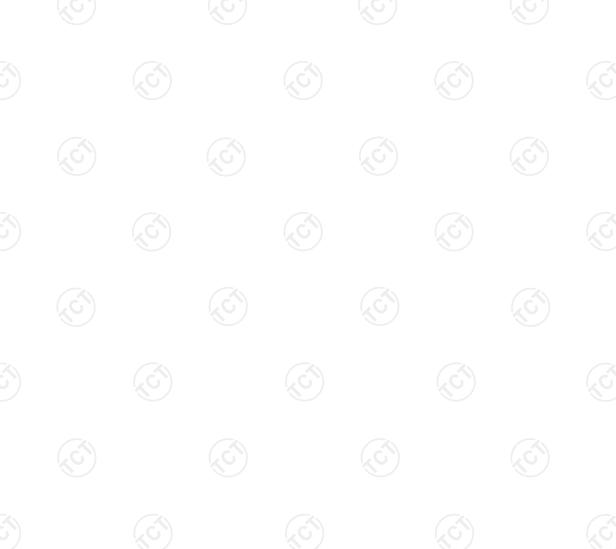
### 5.2.1. Test Specification

| Test Requirement: | FCC Part15 C Section 15.207   |  |   |  |  |  |
|-------------------|---|--|---|--|--|--|
| Test Method:      | ANSI C63.10:2013  |  |   |  |  |  |
| Frequency Range:  | 150 kHz to 30 MHz   |  |   |  |  |  |
| Receiver setup:   | RBW=9 kHz, VBW=30   | kHz, Sweep time  | e=auto  |  |  |  |
|                   | Frequency range   | Limit (  | dBuV)   |  |  |  |
|                   | (MHz)   | Quasi-peak   | Average   |  |  |  |
| Limits:           | 0.15-0.5  | 66 to 56*  | 56 to 46*   |  |  |  |
|                   | 0.5-5   | 56   | 46  |  |  |  |
|                   | 5-30  | 60   | 50  |  |  |  |
|                   | Referenc  | e Plane  |   |  |  |  |
|                   | 40cm  |  |   |  |  |  |
| Гest Setup:       | E.U.T AC powe<br>Test table/Insulation plane<br>Remarkc<br>E.U.T: Equipment Under Test<br>LISN: Line Impedence Stabilization No<br>Test table height=0.8m   | EMI<br>Receiver  | r — AC power  |  |  |  |
| Test Mode:        | Charging + Transmittir  | ng Mode  |   |  |  |  |
| Test Procedure:   | <ol> <li>The E.U.T is connerimpedance stabilizy provides a 500hm/5 measuring equipme</li> <li>The peripheral device power through a LI coupling impedance refer to the block photographs).</li> <li>Both sides of A.C. conducted interferer emission, the relative the interface cables ANSI C63.10:2013 control</li> </ol> | ation network<br>50uH coupling in<br>nt.<br>ces are also conn<br>ISN that provides<br>with 50ohm terr<br>diagram of the<br>line are checkence. In order to fi<br>e positions of equ<br>s must be chang | (L.I.S.N.). This<br>pedance for the<br>ected to the main<br>s a 50ohm/50uh<br>nination. (Please<br>test setup and<br>ed for maximum<br>nd the maximum<br>upment and all o<br>ged according to |  |  |  |
|                   | ANOI 003.10.2013 (  | on conducted mea   | asurement.  |  |  |  |

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#### 5.2.2. Test Instruments

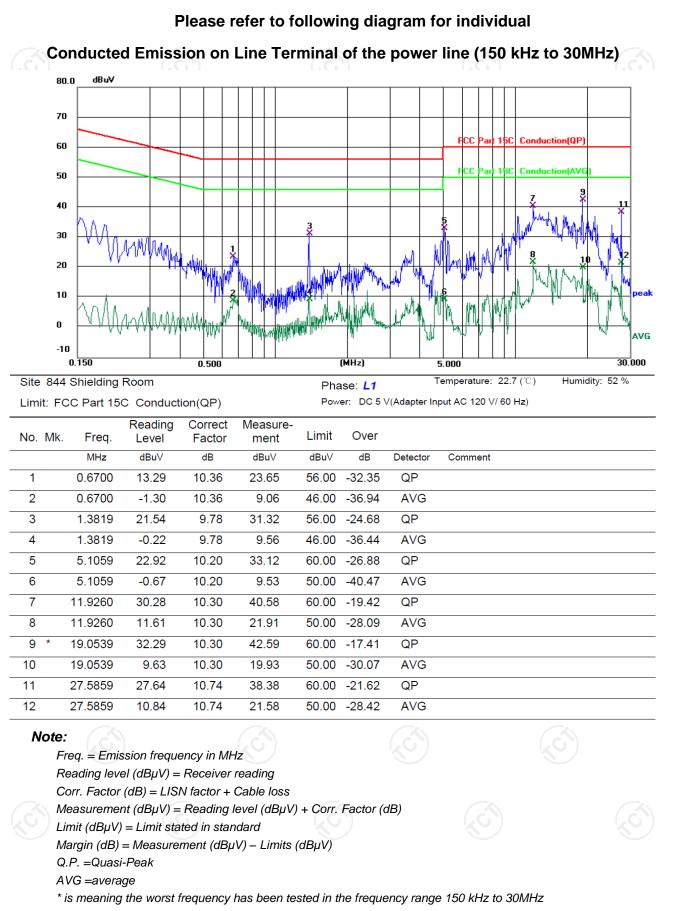
|   | Conducted Emission Shielding Room Test Site (843) |                            |          |               |                 |  |  |  |  |  |
|---|---|----------------------------|----------|---------------|-----------------|--|--|--|--|--|
|   | Equipment   | Manufacturer               | Model    | Serial Number | Calibration Due |  |  |  |  |  |
|   | EMI Test Receiver                                 | R&S                        | ESCI3    | 100898        | Jun. 26, 2025   |  |  |  |  |  |
|   | LISN  | LISN Schwarzbeck NSLK 8126 |          | 8126453       | Jan. 31, 2025   |  |  |  |  |  |
| Ī | Attenuator N/A                                    |                            | 10dB     | 164080        | Jun. 26, 2025   |  |  |  |  |  |
| ſ | Line-5  | тст                        | CE-05    | /             | Jun. 26, 2025   |  |  |  |  |  |
|   | EMI Test Software                                 | EZ_EMC                     | EMEC-3A1 | 1.1.4.2       | 1               |  |  |  |  |  |

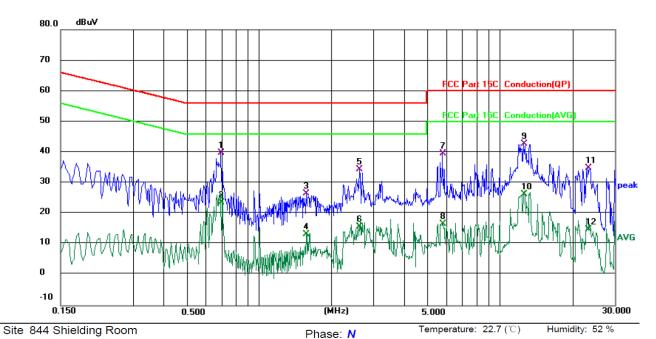


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#### 5.2.3. Test data

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

Limit: FCC Part 15C Conduction(QP)

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Power: DC 5 V(Adapter Input AC 120 V/ 60 Hz)

| No. | Mk. | Freq.   | Reading<br>Level | Correct<br>Factor | Measure-<br>ment | Limit | Over   |          |         |
|-----|-----|---------|------------------|-------------------|------------------|-------|--------|----------|---------|
|     |     | MHz     | dBuV             | dB                | dBuV             | dBuV  | dB     | Detector | Comment |
| 1   | *   | 0.6940  | 29.39            | 10.35             | 39.74            | 56.00 | -16.26 | QP       |         |
| 2   |     | 0.6940  | 13.21            | 10.35             | 23.56            | 46.00 | -22.44 | AVG      |         |
| 3   |     | 1.5700  | 16.74            | 9.76              | 26.50            | 56.00 | -29.50 | QP       |         |
| 4   |     | 1.5700  | 3.45             | 9.76              | 13.21            | 46.00 | -32.79 | AVG      |         |
| 5   |     | 2.6099  | 24.62            | 9.85              | 34.47            | 56.00 | -21.53 | QP       |         |
| 6   |     | 2.6099  | 5.91             | 9.85              | 15.76            | 46.00 | -30.24 | AVG      |         |
| 7   |     | 5.7940  | 29.46            | 10.15             | 39.61            | 60.00 | -20.39 | QP       |         |
| 8   |     | 5.7940  | 6.47             | 10.15             | 16.62            | 50.00 | -33.38 | AVG      |         |
| 9   |     | 12.5460 | 32.40            | 10.28             | 42.68            | 60.00 | -17.32 | QP       |         |
| 10  |     | 12.5460 | 16.09            | 10.28             | 26.37            | 50.00 | -23.63 | AVG      |         |
| 11  |     | 23.1540 | 24.39            | 10.42             | 34.81            | 60.00 | -25.19 | QP       |         |
| 12  |     | 23.1540 | 4.49             | 10.42             | 14.91            | 50.00 | -35.09 | AVG      |         |

#### 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

 $Margin (dB) = Measurement (dB\mu V) - Limits (dB\mu V)$ 

Q.P. =Quasi-Peak

AVG =average

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

**Note2:** Measurements were conducted in all three channels (high, middle, low), and the worst case Mode (Highest 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:   | <ul> <li>Set spectrum analyzer as following:</li> <li>a) Set the RBW ≥ DTS bandwidth.</li> <li>b) Set VBW ≥ 3 × RBW.</li> <li>c) Set span ≥ 3 x RBW</li> <li>d) Sweep time = auto couple.</li> <li>e) Detector = peak.</li> <li>f) Trace mode = max hold.</li> <li>g) Allow trace to fully stabilize.</li> <li>h) Use peak marker function to determine the peak amplitude level.</li> </ul> |  |  |  |  |  |
| Test Result:      | PASS   |  |  |  |  |  |

# 5.3.2. Test Instruments

| Name                 | Manufacturer | nufacturer Model No. Serial Number |            |               |
|----------------------|--------------|------------------------------------|------------|---------------|
| Spectrum<br>Analyzer | Agilent      | N9020A                             | MY49100619 | Jun. 26, 2025 |
| Combiner Box         | Ascentest    | AT890-RFB                          | 1          | /             |
|                      |              |                                    |            |               |



# 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:   | <ol> <li>Set to the maximum power setting and enable the<br/>EUT transmit continuously.</li> <li>Make the measurement with the spectrum analyzer's<br/>resolution bandwidth (RBW) = 100 kHz. Set the<br/>Video bandwidth (VBW) = 300 kHz. In order to make<br/>an accurate measurement. The 6dB bandwidth must<br/>be greater than 500 kHz.</li> <li>Measure and record the results in the test report.</li> </ol> |  |  |  |  |  |
| Test Result:      | PASS   |  |  |  |  |  |

### 5.4.2. Test Instruments

|  | Name                 | Manufacturer | Model No. | Serial Number | <b>Calibration Due</b> |
|--|----------------------|--------------|-----------|---------------|------------------------|
|  | Spectrum<br>Analyzer | Agilent      | N9020A    | MY49100619    | Jun. 26, 2025          |
|  | Combiner Box         | Ascentest    | AT890-RFB |               |                        |



# 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<br>than 8dBm in any 3kHz band at any time interval of<br>continuous transmission.   |
| Test Setup:       |  |
|                   | spectrum Analyzer  |
| Test Mode:        | Refer to item 3.1  |
| Test Procedure:   | <ol> <li>The RF output of EUT was connected to the spectrum<br/>analyzer by RF cable. The path loss was<br/>compensated to the results for each measurement.</li> <li>Set to the maximum power setting and enable the<br/>EUT transmit continuously.</li> <li>Make the measurement with the spectrum analyzer's<br/>resolution bandwidth (RBW): 3 kHz ≤ RBW ≤ 100<br/>kHz. Video bandwidth VBW ≥ 3 x RBW. In order to<br/>make an accurate measurement, set the span to 1.5<br/>times DTS Channel Bandwidth. (6dB BW)</li> <li>Detector = peak, Sweep time = auto couple, Trace<br/>mode = max hold, Allow trace to fully stabilize. Use<br/>the peak marker function to determine the maximum<br/>power level.</li> <li>Measure and record the results in the test report.</li> </ol> |
| Test Result:      | PASS   |

### 5.5.2. Test Instruments

| Name                 | Manufacturer | Manufacturer Model No. Serial Number |            |               |
|----------------------|--------------|--------------------------------------|------------|---------------|
| Spectrum<br>Analyzer | Agilent      | N9020A                               | MY49100619 | Jun. 26, 2025 |
| Combiner Box         | Ascentest    | AT890-RFB                            | /          | /             |

# 5.6. Conducted Band Edge and Spurious Emission Measurement

#### 5.6.1. Test Specification

| Test Requirement: | FCC Part15 C Section 1   | 15.247 (d)   |   |  |  |  |
|-------------------|--|--|---|--|--|--|
| Test Method:      | KDB 558074 D01 v05r0   | KDB 558074 D01 v05r02  |   |  |  |  |
| Limit:            | In any 100 kHz band<br>frequency band, the<br>non-restricted bands sh<br>30dB relative to the ma<br>RF conducted measur<br>which fall in the restrict<br>15.205(a), must also co<br>limits specified in Section  | emissions which fa<br>all be attenuated at lea<br>aximum PSD level in 10<br>rement and radiated<br>ted bands, as defined i<br>omply with the radiated  | II in the<br>st 20 dB /<br>00 kHz by<br>emissions<br>in Section   |  |  |  |
| Test Setup:       | Spectrum Analyzer  | — <mark></mark> (С   |   |  |  |  |
| Test Mode:        | Refer to item 3.1  | $\langle \mathcal{C} \rangle$  | Ŕ   |  |  |  |
| Test Procedure:   | <ul> <li>compensated to the</li> <li>2. Set to the maximum performance</li> <li>3. Set RBW = 100 kHz, Unwanted Emissions bandwidth outside of shall be attenuated to shall be attenuated to maximum in-band performance</li> <li>used. If the transmitted power limits based of a time interval, the aparagraph shall be 3 15.247(d).</li> <li>4. Measure and record to 5. The RF fundamental</li> </ul> | e. The path loss was<br>results for each measu<br>power setting and enab<br>uously.<br>VBW=300 kHz, Peak E<br>s measured in any 100<br>f the authorized frequer<br>by at least 20 dB relativ<br>eak PSD level in 100 kH<br>ducted output power pro-<br>ter complies with the co<br>on the use of RMS avera-<br>ttenuation required und<br>30 dB instead of 20 dB p<br>the results in the test re | rement.<br>le the<br>Detector.<br>kHz<br>ncy band<br>e to the<br>Hz when<br>bcedure is<br>inducted<br>aging over<br>ler this<br>ber<br>port.<br>ccluded |  |  |  |
|                   |  | in the operating neque   | ncy band.   |  |  |  |



### 5.6.2. Test Instruments

|                      | Name      | Manufacturer | Model No. | Serial Number | Calibration Due |
|----------------------|-----------|--------------|-----------|---------------|-----------------|
| Spectrum<br>Analyzer |           | Agilent      | N9020A    | MY49100619    | Jun. 26, 2025   |
|                      | biner Box | Ascentest    | AT890-RFB | 1             | 1               |
|                      |           |              |           |               |                 |
|                      |           |              |           |               |                 |
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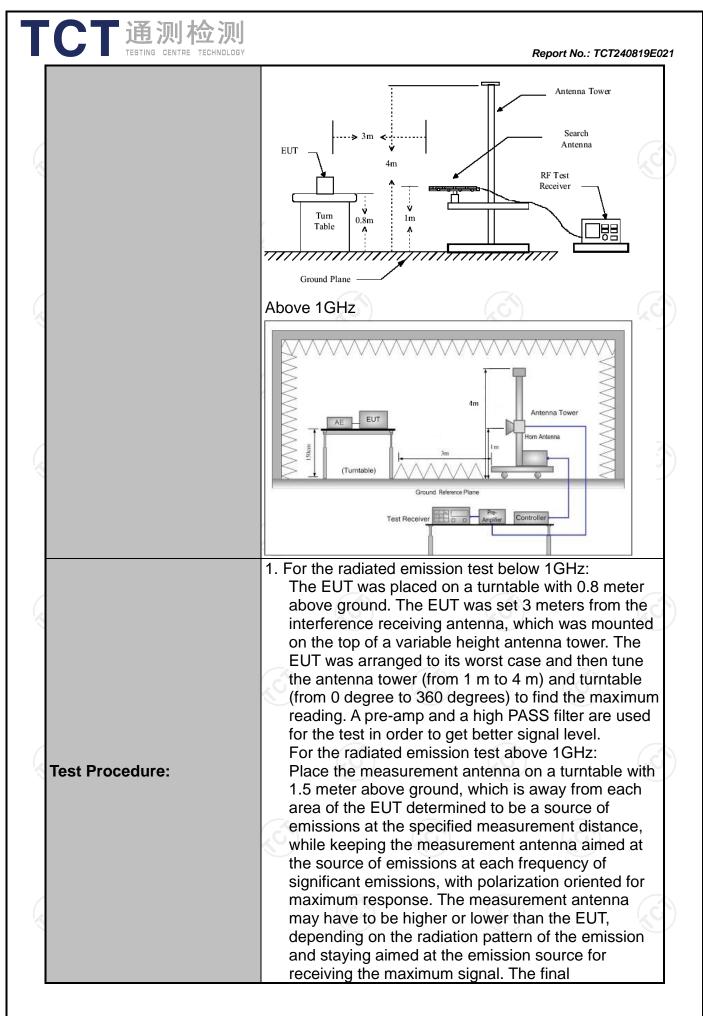
# 5.7. Radiated Spurious Emission Measurement

### 5.7.1. Test Specification

TCT 通测检测 TESTING CENTRE TECHNOLOGY

| Test Requirement:     | FCC Part15 C Section 15.209          |                                      |  |                      |  |  |  |
|-----------------------|--------------------------------------|--------------------------------------|--|----------------------|--|--|--|
| Test Method:          | ANSI C63.10:2013                     |                                      |  |                      |  |  |  |
| Frequency Range:      | 9 kHz to 25 GHz                      |                                      |  |                      |  |  |  |
| Measurement Distance: | 3 m                                  |                                      |  |                      |  |  |  |
| Antenna Polarization: | Horizontal & Vertical                |                                      |  |                      |  |  |  |
| Operation mode:       | Refer to item                        | 13.1                                 | (  |                      | (  |  |  |
|                       | Frequency<br>9kHz- 150kHz<br>150kHz- | Detector<br>Quasi-peal<br>Quasi-peal |  | VBW<br>1kHz<br>30kHz | Remark<br>Quasi-peak Value<br>Quasi-peak Value           |  |  |
| Receiver Setup:       | 30MHz<br>30MHz-1GHz<br>Above 1GHz    | Quasi-peal<br>Peak<br>Peak           | 1MHz   | 300KHz<br>3MHz       | Quasi-peak Value<br>Peak Value                           |  |  |
|                       | Frequen                              | cy<br>190                            | intervention 1000 1000 1000 1000 1000 1000 1000 10 |                      | Average Value<br>Measurement<br>Distance (meters)<br>300 |  |  |
|                       | 0.490-1.705<br>1.705-30<br>30-88     |                                      | 24000/F(KHz)<br>30<br>100                          |                      | 30<br>30<br>3  |  |  |
| Limit:                | 88-216<br>216-960<br>Above 960       |                                      | 150<br>200<br>500                                  |                      | 3<br>3<br>3  |  |  |
|                       | Frequency                            |                                      | Field Strength<br>icrovolts/meter)                 |                      | ce Detector  |  |  |
|                       | Above 1GHz                           |                                      | 500         3           5000         3             |                      | Average<br>Peak  |  |  |
|                       | For radiated                         |                                      | s below 30   | )MHz                 |  |  |  |
|                       | Distance = 3m                        |                                      |  |                      |  |  |  |
| Test setup:           | 0.8m Turn table                      |                                      |  |                      |  |  |  |
|                       | 30MHz to 1GHz                        |                                      |  |                      |  |  |  |

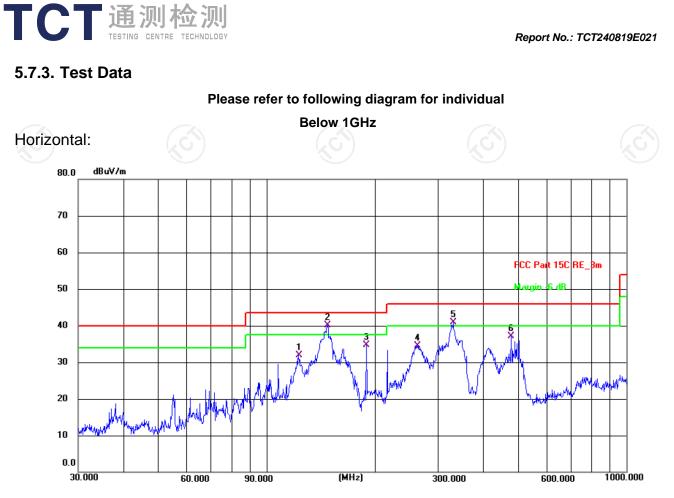
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| CT通测检测<br>TESTING CENTRE TECHNOLOGY | Report No.: TCT240819E0   |
|-------------------------------------|---|
|                                     | <ul> <li>measurement antenna elevation shall be that which maximizes the emissions. The measurement 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.</li> <li>2. Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level</li> <li>3. 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.</li> <li>4. Use the following spectrum analyzer settings: <ul> <li>(1) Span shall wide enough to fully capture the emission being measured;</li> <li>(2) Set RBW=120 kHz for f &lt; 1 GHz; VBW ≥ RBW; Sweep = auto; Detector function = peak; Trace = max hold;</li> <li>(3) Set RBW = 1 MHz, VBW= 3MHz for f &gt;1 GHz for peak measurement.</li> <li>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.</li> </ul> </li> </ul> |
| Test mode:                          | Refer to section 3.1 for details  |
| Test results:                       | PASS  |

# 5.7.2. Test Instruments

|                      | Radiated Em  | nission Test Site | e (966)            |                 |  |
|----------------------|--------------|-------------------|--------------------|-----------------|--|
| Name of<br>Equipment | Manufacturer |                   | Serial<br>Number   | Calibration Due |  |
| EMI Test Receiver    | R&S          | ESCI7             | 100529             | Jan. 31, 2025   |  |
| Spectrum Analyzer    | R&S          | FSQ40             | 200061             | Jun. 26, 2025   |  |
| Pre-amplifier        | HP           | 8447D             | 2727A05017         | Jun. 26, 2025   |  |
| Pre-amplifier        | SKET         | LNPA_0118G-<br>45 | SK2021012<br>102   | Jan. 31, 2025   |  |
| Pre-amplifier        | SKET         | LNPA_1840G-<br>50 | SK2021092<br>03500 | Jan. 31, 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              | Feb. 02, 2025   |  |
| Coaxial cable        | SKET         | RE-03-D           | /                  | Jun. 26, 2025   |  |
| Coaxial cable        | SKET         | RE-03-M           | ) /                | Jun. 26, 2025   |  |
| Coaxial cable        | SKET         | RE-03-L           | /                  | Jun. 26, 2025   |  |
| Coaxial cable        | SKET         | RE-04-D           |                    | Jun. 26, 2025   |  |
| Coaxial cable        | SKET         | RE-04-M           |                    | Jun. 26, 2025   |  |
| Coaxial cable        | SKET         | RE-04-L           | /                  | Jun. 26, 2025   |  |
| Antenna Mast         | Keleto       | RE-AM             | 1                  |                 |  |
| EMI Test Software    | EZ_EMC       | FA-03A2 RE+       | 1.1.4.2            | /               |  |



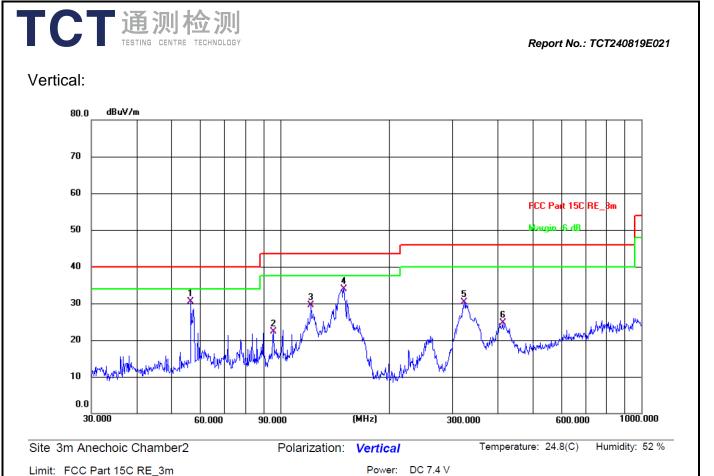
Site 3m Anechoic Chamber2

Polarization: Horizontal

Temperature: 24.8(C) Humidity: 52 %

| Limit: | FCC Part 15C F     |                   |                  |                   | Power:            | DC 7.4 V       |          |     |        |
|--------|--------------------|-------------------|------------------|-------------------|-------------------|----------------|----------|-----|--------|
| No.    | Frequency<br>(MHz) | Reading<br>(dBuV) | Factor<br>(dB/m) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Detector | P/F | Remark |
| 1      | 122.8338           | 50.95             | -19.03           | 31.92             | 43.50             | -11.58         | QP       | Р   |        |
| 2 *    | 147.9214           | 57.63             | -17.51           | 40.12             | 43.50             | -3.38          | QP       | Ρ   |        |
| 3      | 189.7384           | 55.34             | -20.56           | 34.78             | 43.50             | -8.72          | QP       | Р   |        |
| 4      | 262.8955           | 53.18             | -18.72           | 34.46             | 46.00             | -11.54         | QP       | Р   |        |
| 5 !    | 330.1947           | 58.27             | -17.41           | 40.86             | 46.00             | -5.14          | QP       | Ρ   |        |
| 6      | 478.8455           | 49.82             | -12.73           | 37.09             | 46.00             | -8.91          | QP       | Ρ   |        |

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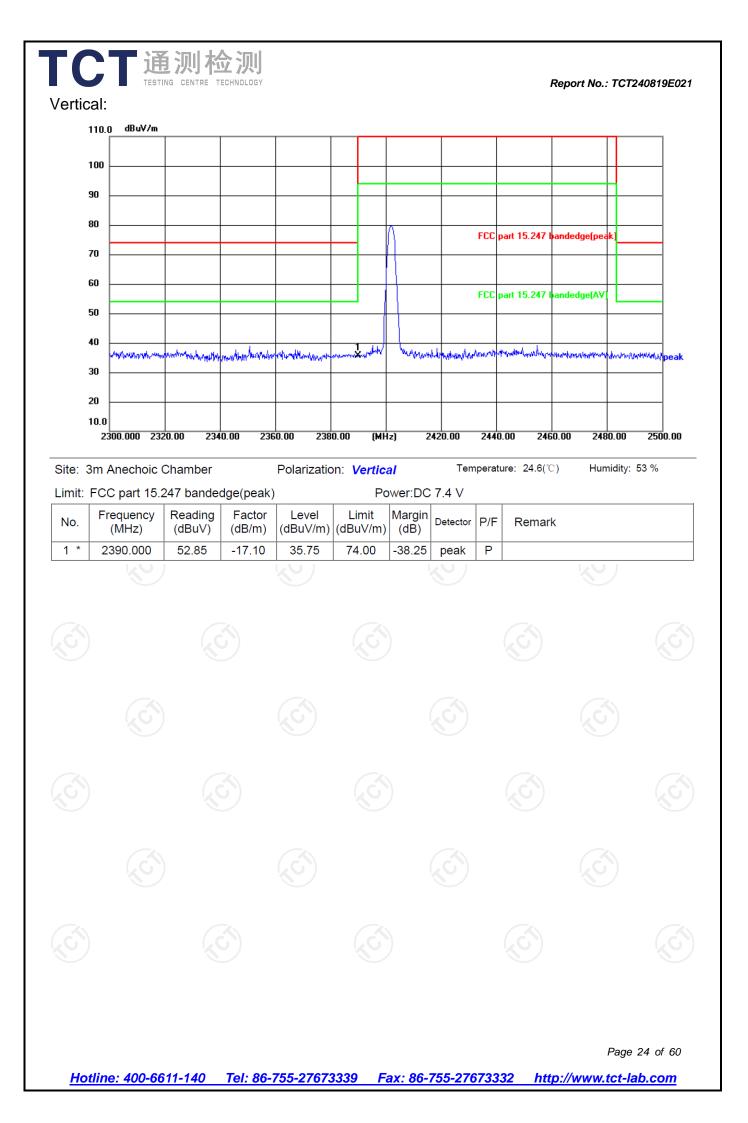


| No. | Frequency<br>(MHz) | Reading<br>(dBuV) | Factor<br>(dB/m) | Level<br>(dBuV/m) |       | Margin<br>(dB) | Detector | P/F | Remark |
|-----|--------------------|-------------------|------------------|-------------------|-------|----------------|----------|-----|--------|
| 1 * | 56.5929            | 49.27             | -18.76           | 30.51             | 40.00 | -9.49          | QP       | Ρ   |        |
| 2   | 95.7622            | 44.24             | -21.85           | 22.39             | 43.50 | -21.11         | QP       | Ρ   |        |
| 3   | 121.5485           | 48.63             | -19.11           | 29.52             | 43.50 | -13.98         | QP       | Ρ   |        |
| 4   | 150.0107           | 51.13             | -17.31           | 33.82             | 43.50 | -9.68          | QP       | Ρ   |        |
| 5   | 323.3201           | 47.86             | -17.55           | 30.31             | 46.00 | -15.69         | QP       | Ρ   |        |
| 6   | 413.2706           | 39.08             | -14.45           | 24.63             | 46.00 | -21.37         | QP       | Ρ   |        |

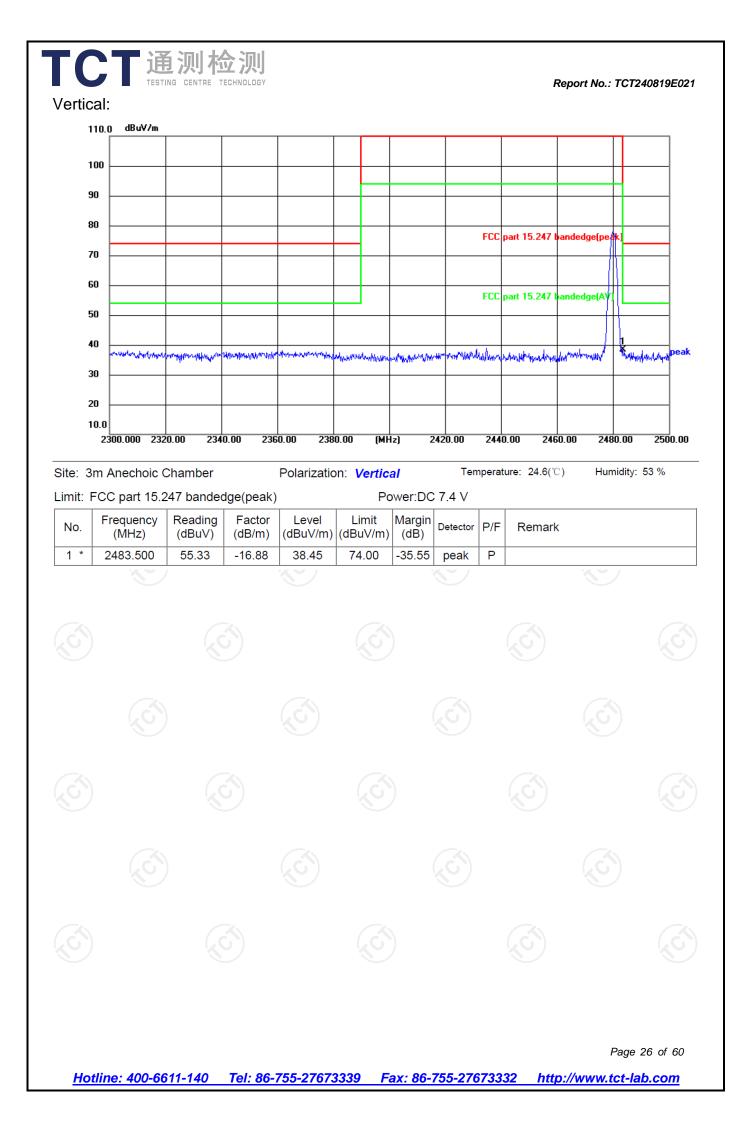
**Note:** 1. The low frequency, which started from 9KHz~30MHz, was pre-scanned and the result which was 20dB lower than the limit line per 15.31(o) was not reported

- 2. Measurements were conducted in all three channels (high, middle, low), and the worst case Mode (Highest channel) was submitted only.
- 3. Freq. = Emission frequency in MHz
   Measurement (dBµV/m) = Reading level (dBµV) + Corr. Factor (dB)
   Correction Factor= Antenna Factor + Cable loss Pre-amplifier
   Limit (dBµV/m) = Limit stated in standard
   Margin (dB) = Measurement (dBµV/m) Limits (dBµV/m)
   \* is meaning the worst frequency has been tested in the test frequency range

|       | CT 通               |                   | CHNOLOGY          |   |                   |                |   |          | ŀ  | Report No.:       | TCT240819             | E021 |
|-------|--------------------|-------------------|-------------------|---|-------------------|----------------|---|----------|--|-------------------|-----------------------|------|
|       |                    | -                 | Test Res          | ult of Rad                                | diated Sp         | ourious        | at Ban                                    | d ed     | ges  |                   |                       |      |
| Lowe  | est channel        | 2402:             |                   |   |                   |                |   |          |  |                   |                       |      |
| Horiz | zontal:            |                   |                   |   |                   |                |   |          |  |                   |                       |      |
|       | 110.0 dBuV/m       |                   |                   |   | 162               | 1              |   |          | ( с. )   |                   |                       |      |
|       | 100                |                   |                   |   |                   |                |   |          |  |                   |                       |      |
|       | 90                 |                   |                   |   |                   |                |   |          |  |                   |                       |      |
|       | 80                 |                   |                   |   |                   | Λ              | _   |          |  |                   |                       |      |
|       | 70                 |                   |                   |   |                   |                | _   | FCC      | part 15.247  | bandedge(pea      | ik]                   |      |
|       | 60                 |                   |                   |   |                   |                |   |          |  |                   |                       |      |
|       | 50                 |                   |                   |   |                   |                |   | FCC      | part 15.247  | andedge(AV)       |                       |      |
|       | 40                 |                   |                   |   |                   |                | _   |          |  |                   |                       | nank |
|       | 30                 | Kahlunahan        | www.trandy.theman | V <sup>ers</sup> killen halaslippija og t | 1 martin          | www.w.y        | in an | WITH     | kange 1998 den | and Antonia       | hind die Kanadikanaan | реак |
|       | 20                 |                   |                   |   |                   |                | _   |          |  |                   |                       |      |
|       | 10.0               | 20.00 234         | 0.00 236          | 60.00 <b>2</b> 38                         | 0.00 (M           | Hz) :          | 2420.00                                   | 244      | 0.00 246   | 50.00 <b>24</b> 8 | 0.00 250              | 0.00 |
| Site  | 3m Anechoic        |                   |                   | Polarizatio                               | _                 |                | Ter                                       | mperat   | ture: 24.6(°                                       | C) Hum            | nidity: 53 %          |      |
|       | : FCC part 15.     |                   | dae(neak)         |   |                   | ontar          |   |          |  | -,                | ,, ,                  |      |
|       |                    |                   | age(peak)         | )   | P                 | ower:DC        | C 7.4 V                                   |          |  |                   |                       |      |
| No.   | Frequency<br>(MHz) | Reading<br>(dBuV) | Factor<br>(dB/m)  | )<br>Level<br>(dBuV/m)                    | Limit             | Margin         | 1   | P/F      | Remark   | <                 |                       |      |
| No.   | (MHz)              | Reading           | Factor            | Level                                     | Limit             | Margin         | Detector                                  | P/F<br>P | Remark   | (                 |                       |      |
|       | (MHz)              | Reading<br>(dBuV) | Factor<br>(dB/m)  | Level<br>(dBuV/m)                         | Limit<br>(dBuV/m) | Margin<br>(dB) | Detector                                  |          | Remark   | (                 |                       | 5    |
|       | (MHz)              | Reading<br>(dBuV) | Factor<br>(dB/m)  | Level<br>(dBuV/m)                         | Limit<br>(dBuV/m) | Margin<br>(dB) | Detector                                  |          | Remark   | <                 | ×                     | 5)   |
|       | (MHz)              | Reading<br>(dBuV) | Factor<br>(dB/m)  | Level<br>(dBuV/m)                         | Limit<br>(dBuV/m) | Margin<br>(dB) | Detector                                  |          | Remark   | <                 | )                     | 5)   |
|       | (MHz)              | Reading<br>(dBuV) | Factor<br>(dB/m)  | Level<br>(dBuV/m)                         | Limit<br>(dBuV/m) | Margin<br>(dB) | Detector                                  |          | Remark   | <                 | )                     | 5    |
|       | (MHz)              | Reading<br>(dBuV) | Factor<br>(dB/m)  | Level<br>(dBuV/m)                         | Limit<br>(dBuV/m) | Margin<br>(dB) | Detector                                  |          | Remark   | <                 |                       |      |
|       | (MHz)              | Reading<br>(dBuV) | Factor<br>(dB/m)  | Level<br>(dBuV/m)                         | Limit<br>(dBuV/m) | Margin<br>(dB) | Detector                                  |          | Remark   | <<br>()           |                       |      |
|       | (MHz)              | Reading<br>(dBuV) | Factor<br>(dB/m)  | Level<br>(dBuV/m)                         | Limit<br>(dBuV/m) | Margin<br>(dB) | Detector                                  |          | Remark   | <<br>(C)          |                       | 5    |
|       | (MHz)              | Reading<br>(dBuV) | Factor<br>(dB/m)  | Level<br>(dBuV/m)                         | Limit<br>(dBuV/m) | Margin<br>(dB) | Detector                                  |          | Remark   |                   |                       |      |
|       | (MHz)              | Reading<br>(dBuV) | Factor<br>(dB/m)  | Level<br>(dBuV/m)                         | Limit<br>(dBuV/m) | Margin<br>(dB) | Detector                                  |          | Remark   |                   |                       |      |
|       | (MHz)              | Reading<br>(dBuV) | Factor<br>(dB/m)  | Level<br>(dBuV/m)                         | Limit<br>(dBuV/m) | Margin<br>(dB) | Detector                                  |          | Remark   |                   |                       |      |
|       | (MHz)              | Reading<br>(dBuV) | Factor<br>(dB/m)  | Level<br>(dBuV/m)                         | Limit<br>(dBuV/m) | Margin<br>(dB) | Detector                                  |          | Remark   |                   |                       |      |
|       | (MHz)              | Reading<br>(dBuV) | Factor<br>(dB/m)  | Level<br>(dBuV/m)                         | Limit<br>(dBuV/m) | Margin<br>(dB) | Detector                                  |          | Remark   |                   |                       | 5    |
|       | (MHz)              | Reading<br>(dBuV) | Factor<br>(dB/m)  | Level<br>(dBuV/m)                         | Limit<br>(dBuV/m) | Margin<br>(dB) | Detector                                  |          | Remark   | <<br>(C)<br>(C)   |                       |      |



| 110.0                                    | dBu¥/m                               |  |                              |                                |   |                                    |                           |           |                          |                        |              |               | 1    |
|--|--------------------------------------|--|------------------------------|--------------------------------|---|------------------------------------|---------------------------|-----------|--------------------------|------------------------|--------------|---------------|------|
| 100                                      |                                      |  |                              |                                |   |                                    |                           |           |                          |                        |              |               |      |
| 90                                       |                                      |  |                              |                                |   |                                    |                           |           |                          |                        | +            |               |      |
| 80                                       |                                      |  |                              |                                |   |                                    |                           | FCC       | part 15.247              | bandedge(p             | eak          |               |      |
| 70                                       |                                      |  |                              |                                |   |                                    |                           |           |                          |                        | $\mathbb{H}$ |               |      |
| 60 —<br>50 —                             |                                      |  |                              |                                |   |                                    |                           | FCC       | part 15.247              | bandedge(A             | ήĽ           |               |      |
| 40                                       |                                      |  |                              |                                |   |                                    |                           |           |                          |                        | Щ            |               |      |
| 30                                       | natura khaima hi                     | and haddened by                            | and the second second        | eparthelipet an enabled and in | adaman adadam                             | hunnahhr                           | 1.Herriteeren             | ennymethe | -breaking which have     | and hit with the south | 1 <b>%</b>   | WMMM          | /pe  |
| 20                                       |                                      |  |                              |                                |   |                                    |                           |           |                          |                        |              |               |      |
| 10.0                                     |                                      |  |                              |                                |   |                                    |                           |           |                          |                        |              |               |      |
| 2300.                                    | 000 232                              | 0.00 234                                   | 0.00 23                      | 60.00 238                      | 90.00 (M                                  | <br>Hz) 2                          | 420.00                    | 244       | 0.00 240                 | 50.00 2                | 480.00       | 25            | 00.C |
|  |                                      |  | 10.00 23                     | 60.00 238<br>Polarizatio       |   | -                                  |                           |           | 0.00 240<br>cure: 24.6(% |                        |              | 25<br>/: 53 % |      |
| e: 3m Ane<br>it: FCC p                   | echoic (<br>art 15.2                 | Chamber<br>247 bande                       | dge(peak                     | Polarizatio                    | on: <i>Horiz</i><br>P                     | ontal<br>ower:DC                   | Ten                       |           |                          |                        |              |               |      |
| e: 3m And<br>hit: FCC p<br>p. Freq<br>(M | echoic (<br>art 15.2<br>uency<br>Hz) | Chamber<br>247 bander<br>Reading<br>(dBuV) | dge(peak<br>Factor<br>(dB/m) | Polarizatio                    | on: <b>Horiz</b><br>P<br>Limit<br>(dBuV/m | ontal<br>ower:DC<br>Margin<br>(dB) | Terr<br>7.4 V<br>Detector | nperat    |                          | C) H                   |              |               |      |
| e: 3m And<br>hit: FCC p<br>p. Freq<br>(M | echoic (<br>art 15.2<br>uency        | Chamber<br>247 bander<br>Reading           | dge(peak<br>Factor           | Polarizatio                    | on: <i>Horiz</i><br>P<br>Limit            | ontal<br>ower:DC                   | Tem<br>; 7.4 V            | nperat    | :ure: 24.6(ຳ             | C) H                   |              |               |      |
| e: 3m And<br>hit: FCC p<br>p. Freq<br>(M | echoic (<br>art 15.2<br>uency<br>Hz) | Chamber<br>247 bander<br>Reading<br>(dBuV) | dge(peak<br>Factor<br>(dB/m) | Polarizatio                    | on: <b>Horiz</b><br>P<br>Limit<br>(dBuV/m | ontal<br>ower:DC<br>Margin<br>(dB) | Terr<br>7.4 V<br>Detector | nperat    | :ure: 24.6(ຳ             | C) H                   |              |               |      |
| e: 3m And<br>hit: FCC p<br>p. Freq<br>(M | echoic (<br>art 15.2<br>uency<br>Hz) | Chamber<br>247 bander<br>Reading<br>(dBuV) | dge(peak<br>Factor<br>(dB/m) | Polarizatio                    | on: <b>Horiz</b><br>P<br>Limit<br>(dBuV/m | ontal<br>ower:DC<br>Margin<br>(dB) | Terr<br>7.4 V<br>Detector | nperat    | :ure: 24.6(ຳ             | C) H                   |              |               |      |
| e: 3m And<br>hit: FCC p<br>p. Freq<br>(M | echoic (<br>art 15.2<br>uency<br>Hz) | Chamber<br>247 bander<br>Reading<br>(dBuV) | dge(peak<br>Factor<br>(dB/m) | Polarizatio                    | on: <b>Horiz</b><br>P<br>Limit<br>(dBuV/m | ontal<br>ower:DC<br>Margin<br>(dB) | Terr<br>7.4 V<br>Detector | nperat    | :ure: 24.6(ຳ             | C) H                   |              |               |      |
| e: 3m And<br>hit: FCC p<br>p. Freq<br>(M | echoic (<br>art 15.2<br>uency<br>Hz) | Chamber<br>247 bander<br>Reading<br>(dBuV) | dge(peak<br>Factor<br>(dB/m) | Polarizatio                    | on: <b>Horiz</b><br>P<br>Limit<br>(dBuV/m | ontal<br>ower:DC<br>Margin<br>(dB) | Terr<br>7.4 V<br>Detector | nperat    | :ure: 24.6(ຳ             | C) H                   |              |               |      |
| e: 3m And<br>it: FCC p<br>p. Freq<br>(M  | echoic (<br>art 15.2<br>uency<br>Hz) | Chamber<br>247 bander<br>Reading<br>(dBuV) | dge(peak<br>Factor<br>(dB/m) | Polarizatio                    | on: <b>Horiz</b><br>P<br>Limit<br>(dBuV/m | ontal<br>ower:DC<br>Margin<br>(dB) | Terr<br>7.4 V<br>Detector | nperat    | :ure: 24.6(ຳ             | C) H                   |              |               |      |
| e: 3m And<br>it: FCC p<br>p. Freq<br>(M  | echoic (<br>art 15.2<br>uency<br>Hz) | Chamber<br>247 bander<br>Reading<br>(dBuV) | dge(peak<br>Factor<br>(dB/m) | Polarizatio                    | on: <b>Horiz</b><br>P<br>Limit<br>(dBuV/m | ontal<br>ower:DC<br>Margin<br>(dB) | Terr<br>7.4 V<br>Detector | nperat    | :ure: 24.6(ຳ             | C) H                   |              |               |      |
| e: 3m And<br>it: FCC p<br>p. Freq<br>(M  | echoic (<br>art 15.2<br>uency<br>Hz) | Chamber<br>247 bander<br>Reading<br>(dBuV) | dge(peak<br>Factor<br>(dB/m) | Polarizatio                    | on: <b>Horiz</b><br>P<br>Limit<br>(dBuV/m | ontal<br>ower:DC<br>Margin<br>(dB) | Terr<br>7.4 V<br>Detector | nperat    | :ure: 24.6(ຳ             | C) H                   |              |               |      |
| e: 3m And<br>hit: FCC p<br>p. Freq<br>(M | echoic (<br>art 15.2<br>uency<br>Hz) | Chamber<br>247 bander<br>Reading<br>(dBuV) | dge(peak<br>Factor<br>(dB/m) | Polarizatio                    | on: <b>Horiz</b><br>P<br>Limit<br>(dBuV/m | ontal<br>ower:DC<br>Margin<br>(dB) | Terr<br>7.4 V<br>Detector | nperat    | :ure: 24.6(ຳ             | C) H                   |              |               |      |
| e: 3m And<br>hit: FCC p<br>b. Freq<br>(M | echoic (<br>art 15.2<br>uency<br>Hz) | Chamber<br>247 bander<br>Reading<br>(dBuV) | dge(peak<br>Factor<br>(dB/m) | Polarizatio                    | on: <b>Horiz</b><br>P<br>Limit<br>(dBuV/m | ontal<br>ower:DC<br>Margin<br>(dB) | Terr<br>7.4 V<br>Detector | nperat    | :ure: 24.6(ຳ             | C) H                   |              |               |      |



| Low char           | nnel: 2402       | MHz                       |                         |                                |       |                            |                        |    |                |
|--------------------|------------------|---------------------------|-------------------------|--------------------------------|-------|----------------------------|------------------------|----|----------------|
| Frequency<br>(MHz) | Ant. Pol.<br>H/V | Peak<br>reading<br>(dBµV) | AV<br>reading<br>(dBuV) | Correction<br>Factor<br>(dB/m) | Peak  | on Level<br>AV<br>(dBµV/m) | Peak limit<br>(dBµV/m) |    | Margin<br>(dB) |
| 4804               | Н                | 56.18                     |                         | -9.51                          | 46.67 |                            | 74                     | 54 | -7.33          |
| 7206               | Н                | 47.04                     |                         | -1.41                          | 45.63 |                            | 74                     | 54 | -8.37          |
|                    | Н                |                           |                         |                                |       |                            |                        |    |                |
| 4804               | V                | 56.55                     |                         | -9.51                          | 47.04 | ~~                         | 74                     | 54 | -6.96          |
| 7206               | <b>V</b>         | 46.09                     | -420                    | -1.41                          | 44.68 | S-                         | 74                     | 54 | -9.32          |
|                    | V                |                           |                         |                                |       |                            |                        |    |                |

Above 1GHz

#### Middle channel: 2440 MHz

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| Frequency<br>(MHz) | Ant. Pol.<br>H/V | Peak<br>reading<br>(dBµV) | AV<br>reading<br>(dBµV) | Correction<br>Factor<br>(dB/m) | Peak  | n Level<br>AV<br>(dBµV/m) | Peak limit<br>(dBµV/m) | AV limit<br>(dBµV/m) | Margin<br>(dB) |
|--------------------|------------------|---------------------------|-------------------------|--------------------------------|-------|---------------------------|------------------------|----------------------|----------------|
| 4880               | Н                | 56.24                     |                         | -9.36                          | 46.88 |                           | 74                     | 54                   | -7.12          |
| 7320               | Н                | 47.19                     |                         | -1.15                          | 46.04 |                           | 74                     | 54                   | -7.96          |
|                    | Н                |                           |                         |                                | /     |                           |                        |                      |                |
| ļ                  |                  |                           | Ň                       |                                |       |                           |                        |                      |                |
| 4880               | V                | 54.62                     |                         | -9.36                          | 45.26 |                           | 74                     | 54                   | -8.74          |
| 7320               | V                | 45.47                     |                         | -1.15                          | 44.32 |                           | 74                     | 54                   | -9.68          |
|                    | V                |                           |                         |                                |       |                           | -                      |                      |                |
|                    |                  |                           |                         |                                |       |                           |                        |                      |                |

| High chann         | el: 2480 N       | ЛНz                       |                         | 6                              |       |                        |                      | N.             |
|--------------------|------------------|---------------------------|-------------------------|--------------------------------|-------|------------------------|----------------------|----------------|
| Frequency<br>(MHz) | Ant. Pol.<br>H/V | Peak<br>reading<br>(dBµV) | AV<br>reading<br>(dBµV) | Correction<br>Factor<br>(dB/m) | Peak  | Peak limit<br>(dBµV/m) | AV limit<br>(dBµV/m) | Margin<br>(dB) |
| 4960               | Н                | 56.36                     |                         | -9.20                          | 47.16 | <br>74                 | 54                   | -6.84          |
| 7440               | Н                | 46.97                     |                         | -0.96                          | 46.01 | 74                     | 54                   | -7.99          |
|                    | Н                |                           |                         |                                |       | <br>                   |                      |                |
| 4960               | V                | 55.06                     |                         | -9.20                          | 45.86 | <br>74                 | 54                   | -8.14          |
| 7440               | V                | 45.42                     |                         | -0.96                          | 44.46 | <br>74                 | 54                   | -9.54          |
|                    | V                |                           |                         | 0                              | ノ     | <br>                   |                      |                |

#### Note:

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

2. Margin (dB) = Emission Level (Peak) (dB $\mu$ V/m)-Average limit (dB $\mu$ 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**

|           |                    | Duty Cycle        |                           |              |  |
|-----------|--------------------|-------------------|---------------------------|--------------|--|
| Condition | Frequency<br>(MHz) | Duty Cycle<br>(%) | Correction Factor<br>(dB) | 1/T<br>(kHz) |  |
| NVNT      | 2402               | 100               | 0                         | 0            |  |
| NVNT      | 2440               | 100               | 0                         | 0            |  |
| NVNT      | 2480               | 100               | 0                         | 0            |  |

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

# STATUS

#### Duty Cycle NVNT 2440MHz

| Agilent Spect       |          |                       |          |                      |                        |             |                |              |                |                                 |
|---------------------|----------|-----------------------|----------|----------------------|------------------------|-------------|----------------|--------------|----------------|---------------------------------|
| LXI R               | RF       | 50 Ω AC               |          | SEN                  | SE:PULSE S             | DURCE OFF   | ALIGN AUTO     |              |                | 4 PM Aug 12, 2024               |
| Center F            | req 2.44 | 0000000               | PN       | 0: Fast ↔<br>ain:Low | Trig: Fre<br>#Atten: 3 |             | Avg T          | ype: Log-Pwr |                | TYPE WWWWWWW<br>DET P N N N N N |
| 10 dB/div<br>Log    |          | et 7.14 dB<br>.00 dBm |          |                      |                        |             |                |              | Mkr1           | 50.00 ms<br>1.77 dBm            |
| 10.0                |          |                       |          |                      |                        | <b>⊣</b> 1− |                |              |                |                                 |
| -10.0               |          |                       |          |                      |                        |             |                |              |                |                                 |
| -20.0               |          |                       |          |                      |                        |             |                |              |                |                                 |
| -30.0               |          |                       |          |                      |                        |             |                |              |                |                                 |
| -40.0               |          |                       |          |                      |                        |             |                |              |                |                                 |
| -60.0               |          |                       |          |                      |                        |             |                |              |                |                                 |
| -70.0               |          |                       |          |                      |                        |             |                |              |                |                                 |
| Center 2.<br>Res BW |          | 00 GHz                |          | #VBV                 | V 8.0 MI               | lz          |                | Swe          | ep 100.0 m     | Span 0 Hz<br>s (1001 pts)       |
| MKR MODE T          |          | X                     | 50.00 ms | ۲<br>-1.77 (         |                        | UNCTION     | FUNCTION WIDTH |              | FUNCTION VALUE |                                 |
| 2 3 4               |          |                       |          |                      |                        |             |                |              |                |                                 |
| 5                   |          |                       |          |                      |                        |             |                |              |                | 3                               |
| 7<br>8<br>9         |          |                       |          |                      |                        |             |                |              |                |                                 |
| 10                  |          |                       |          |                      |                        |             |                |              |                |                                 |
| <                   |          |                       |          |                      | Ш                      |             |                |              |                |                                 |
| MSG                 |          |                       |          |                      |                        |             | STATU          | JS           |                |                                 |

#### 04:04:49 PM Aug 12, 2024 TRACE 123456 TYPE WWWWWW DET PNNNNN <mark>u</mark> R SENSE:PULSE SOURCE OFF Avg Type: Log-Pwr Center Freq 2.402000000 GHz PNO: Fast +++ Trig: Free Run IFGain:Low #Atten: 30 dB Mkr1 50.00 ms -2.89 dBm Ref Offset 6.82 dB Ref 20.00 dBm 10 dB/div Log 1 Span 0 Hz Sweep 100.0 ms (1001 pts) Center 2.402000000 GHz Res BW 8 MHz #VBW 8.0 MHz FUNCTION WIDTH FUNCTION FUNCTION VALUE MKB M 50.00 ms -2.89 dBm N 1 t 5 6 7 8 9 10

**Test Graphs** Duty Cycle NVNT 2402MHz

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MSG

gilent Spectrum Analyzer - Swept SA

#### Report No.: TCT240819E021





| 1 |  |                | 480MHz                   | cle NVNT 2  | Duty Cyc                      |  |                                      |  |
|---|--|----------------|--------------------------|---|-------------------------------|--|--------------------------------------|--|
| 6 | 6PM Aug 12, 2024<br>TRACE 1 2 3 4 5 6<br>TYPE<br>DET P N N N N N | 'wr Tf         | ALIGNAUTO AVg Type: Log- | NSE:PULSE SOURCE OFF  <br>. Trig: Free Run<br>#Atten: 30 dB | HZ<br>PN0: Fast<br>IFGain:Low | Analyzer - Swept SA<br>RF   50Ω AC  <br>¶ 2.4800000000 G | LXI R                                |  |
|   | 50.00 ms<br>1.37 dBm   | -1             |                          | 1   |                               | tef Offset 7.22 dB<br>tef 20.00 dBm                      | 10.0                                 |  |
|   |  |                |                          |   |                               |  | 0.00                                 |  |
|   |  |                |                          |   |                               |  | -40.0<br>-50.0<br>-60.0              |  |
|   | Span 0 Hz<br>s (1001 pts)  | Sweep 100.0 ms |                          | W 8.0 MHz   | #VB                           | 0000000 GHz<br>Hz  | -70.0<br>Center 2.48<br>Res BW 8 M   |  |
|   |  | FUNCTION VALUE | UNCTION WIDTH            | FUNCTION I  | ).00 ms -1.37                 | t 50   | MKR MODE TRC<br>1 N 1<br>2<br>3<br>4 |  |
|   |  |                |                          |   |                               |  | 5<br>6<br>7<br>8<br>9<br>10          |  |
|   | ×  |                | STATUS                   |   |                               |  | MSG                                  |  |
|   |  |                |                          |   |                               |  |                                      |  |
|   |  |                |                          |   |                               |  |                                      |  |
|   |  |                |                          |   |                               |  |                                      |  |
|   |  |                |                          |   |                               |  |                                      |  |
|   |  |                |                          |   |                               |  |                                      |  |
|   |  |                |                          |   |                               |  |                                      |  |
|   |  |                |                          |   |                               |  |                                      |  |
|   |  |                |                          |   |                               |  |                                      |  |
|   |  |                |                          |   |                               |  |                                      |  |
|   |  |                |                          |   |                               |  |                                      |  |

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| 通测检测<br>TESTING CENTRE TECHNOLO | <b>UJ</b><br>DGY        |                             |                    | Report No.: TCT | 240819E02 |
|---------------------------------|-------------------------|-----------------------------|--------------------|-----------------|-----------|
|                                 | aximum Cor<br>Frequency | nducted Output<br>Conducted | Limit              |                 |           |
| Condition                       | (MHz)                   | Power (dBm)                 | (dBm) <sup>v</sup> | erdict          |           |
|                                 | 2402                    | -2.95                       |                    | Pass            |           |
| NVNT<br>NVNT                    | 2440<br>2480            | -1.82<br>-1.54              |                    | Pass<br>Pass    |           |
| <u>s</u>                        | (C)                     | Ŕ                           | )                  | Ś               |           |
|                                 |                         |                             |                    |                 |           |
|                                 |                         |                             |                    |                 |           |
|                                 |                         |                             |                    |                 |           |
|                                 |                         |                             |                    |                 |           |
|                                 |                         |                             |                    |                 |           |
|                                 |                         |                             |                    |                 |           |
|                                 |                         |                             |                    |                 |           |
|                                 |                         |                             |                    |                 |           |
|                                 |                         |                             |                    |                 |           |
|                                 |                         |                             |                    |                 | 31 of 60  |

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| TC |                                | <b>川检</b> 测                   | Y                              |  |  | F                   | Report No.: TCT.   | 240819E021 |
|----|--------------------------------|-------------------------------|--------------------------------|--|--|---------------------|--|------------|
|    | Agilent Spectrum Ar            | nalvzer - Swent SA            | Powe                           | r NVNT 248   | 80MHz  |                     |  |            |
|    | LXI R RE                       | 50 Ω AC  <br>2.480000000 G    | SHZ<br>PNO: Fast<br>IFGain:Low | ENSE:PULSE  SOURCE OFF  <br>→ Trig: Free Run<br>Atten: 24 dB | ALIGNAUTO<br>Avg Type: Log<br>Avg Hold: 500/ | g-Pwr<br>500        | 9:05PM Aug 12, 2024<br>TRACE 1 2 3 4 5 6<br>TYPE MWWWWW<br>DET P N N N N N |            |
|    | Ref<br>10 dB/div Re            | Offset 7.22 dB<br>f 20.00 dBm |                                |  |  | Mkr1 2.479          | 731 2 GHz<br>1.539 dBm   |            |
|    | 0.00                           |                               |                                | <b>↓</b> 1   |  |                     |  |            |
|    | -10.0                          |                               |                                |  |  |                     |  |            |
|    | -30.0                          |                               |                                |  |  |                     |  |            |
|    | -40.0                          |                               |                                |  |  |                     |  |            |
|    | -60.0                          |                               |                                |  |  |                     |  |            |
|    | Center 2.4800<br>#Res BW 2.0 I | 000 GHz<br>MHz                | #VE                            | 3W 6.0 MHz   |  | Sp<br>Sweep 1.333 n | an 6.000 MHz<br>ns (10001 pts)   |            |
|    | MSG                            |                               |                                |  | STATUS                                       |                     |  |            |
|    |                                |                               |                                |  |  |                     |  |            |
|    |                                |                               |                                |  |  |                     |  |            |
|    |                                |                               |                                |  |  |                     |  |            |
|    |                                |                               |                                |  |  |                     |  |            |
|    |                                |                               |                                |  |  |                     |  |            |
|    |                                |                               |                                |  |  |                     |  |            |
|    |                                |                               |                                |  |  |                     |  |            |
|    |                                |                               |                                |  |  |                     |  |            |
|    |                                |                               |                                |  |  |                     |  |            |
|    |                                |                               |                                |  |  |                     |  |            |
|    |                                |                               |                                |  |  |                     |  |            |
|    |                                |                               |                                |  |  |                     | Page   | 33 of 60   |

| Verdict      | nit -6 dB<br>vidth (MHz) |       | B Bandwidth<br>(MHz) | -6 dE | Frequency<br>(MHz) | Condition    | C  |
|--------------|--------------------------|-------|----------------------|-------|--------------------|--------------|----|
| Pass<br>Pass | 0.5<br>0.5               | Bandy | 0.683                |       | 2402<br>2440       | NVNT<br>NVNT | 3) |
| Pass         | 0.5                      |       | 0.673                |       | 2480               | NVNT         |    |
|              |                          |       |                      |       |                    |              |    |
|              |                          |       |                      |       |                    |              |    |
|              |                          |       |                      |       |                    |              |    |
|              |                          |       |                      |       |                    |              |    |
|              |                          |       |                      |       |                    |              |    |
|              |                          |       |                      |       |                    |              |    |
|              |                          |       |                      |       |                    |              |    |
|              |                          |       |                      |       |                    |              |    |
|              |                          |       |                      |       |                    |              |    |
|              |                          |       |                      |       |                    |              |    |

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#### **Maximum Power Spectral Density Level**

| Condition | Frequency<br>(MHz) | Conducted<br>PSD<br>(dBm/3kHz) | Limit<br>(dBm/3kHz) | Verdict |  |
|-----------|--------------------|--------------------------------|---------------------|---------|--|
| NVNT      | 2402               | -11.69                         | 8                   | Pass    |  |
| NVNT      | 2440               | -12.36                         | 8                   | Pass    |  |
| NVNT      | 2480               | -11.64                         | 8                   | Pass    |  |
|           |                    |                                |                     |         |  |



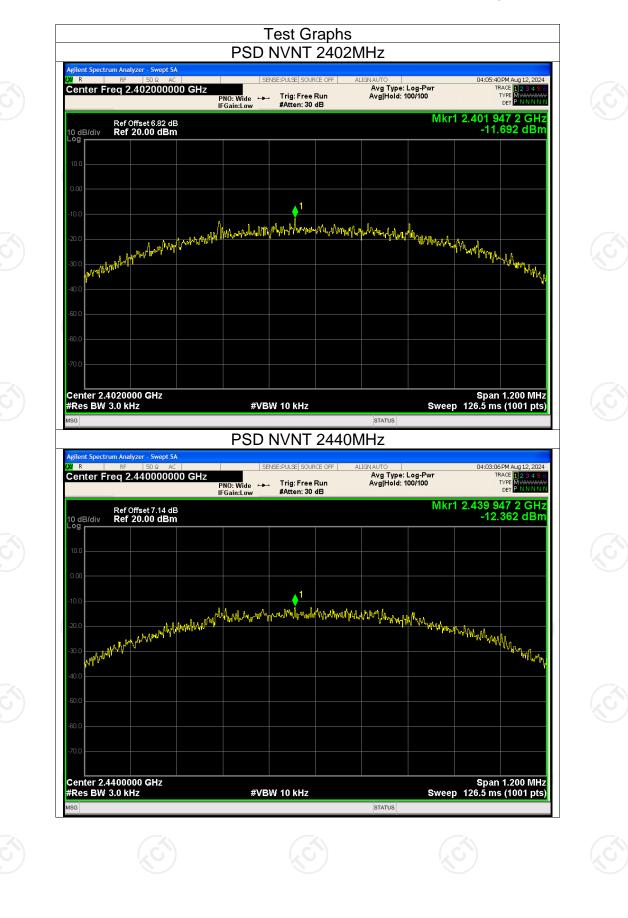




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| Agilent Spectrum Analyzer - Swep<br>(X) R RF 50 Q<br>Center Freq 2.480000 | AC SE                        | - Trig: Free Run<br>#Atten: 30 dB   | ALIGNAUTO<br>Avg Type: Log-Pwr<br>Avg Hold: 100/100 | 03:59:47 PM Aug 12, 2024<br>TRACE 1 2 3 4 5 6<br>TYPE MWWWWWW<br>DET P N N N N N |  |
|---|------------------------------|---|---|--|--|
| 10 dB/div Ref Offset 7.22   | 2 dB<br>Bm                   |   | Mkr1  | 2.480 128 4 GHz<br>-11.643 dBm   |  |
| 0.00  |                              |   | .1  |  |  |
| -10.0<br>-20.0  | nnallingeligen linge Andread | hound who have the former that the second | 1<br>myllownlownor warder                           | <sup>4</sup> տ%է»յի-չ/ է ո   |  |
| -30.0<br>HJUU <sup>IWUUIWUUIWUU</sup><br>-40.0                            |                              |   |   | Waylink Pyraw  |  |
| -50.0   |                              |   |   |  |  |
| -70.0   |                              |   |   |  |  |
| Center 2.4800000 GHz<br>#Res BW 3.0 kHz                                   | #VB                          | SW 10 kHz   | Sweep   | Span 1.200 MHz<br>126.5 ms (1001 pts)  |  |
|   |                              |   |   |  |  |
|   |                              |   |   |  |  |
|   |                              |   |   |  |  |
|   |                              |   |   |  |  |
|   |                              |   |   |  |  |
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|   |                              |   |   |  |  |
|   |                              |   |   |  |  |
|   |                              |   |   |  |  |
|   |                              |   |   |  |  |

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| Condition<br>NVNT<br>NVNT | 24 | <b>cy (MHz)</b><br>02<br>80 | -47 | <b>e</b><br>ue (dBc)<br>7.78<br>8.45 | Limit (dBc<br>-20<br>-20 | ) Verdict<br>Pass<br>Pass | t |
|---------------------------|----|-----------------------------|-----|--------------------------------------|--------------------------|---------------------------|---|
|                           |    |                             |     |                                      |                          |                           |   |
|                           |    |                             |     |                                      |                          |                           |   |
|                           |    |                             |     |                                      |                          |                           |   |
|                           |    |                             |     |                                      |                          |                           |   |
|                           |    |                             |     |                                      |                          |                           |   |
|                           |    |                             |     |                                      |                          |                           |   |
|                           |    |                             |     |                                      |                          |                           |   |
|                           |    |                             |     |                                      |                          |                           |   |
|                           |    |                             |     |                                      |                          |                           |   |
|                           |    |                             |     |                                      |                          |                           |   |
|                           |    |                             |     |                                      |                          |                           |   |

# man www. Center 2.402000 GHz #Res BW 100 kHz Span 8.000 MHz Sweep 1.000 ms (1001 pts)

### STATUS Band Edge NVNT 2402MHz Emission

#VBW 300 kHz

| U R                          | RF            | alyzer - Swept SA<br>50 Ω AC<br>2.35600000 | 00 GHz  | SE<br>PNO: Fast ↔<br>Gain:Low | INSE:PULSE<br>Trig: Fi<br>#Atten: | ee Run   |                 | g Type:    | Log-Pwr<br>000/1000           | т                   | 7 PM Aug 12, 202<br>RACE <b>1 2 3 4 5</b><br>TYPE M<br>DET <mark>P N N N N</mark> |
|------------------------------|---------------|--|---|-------------------------------|-----------------------------------|----------|-----------------|------------|-------------------------------|---------------------|---|
| I0 dB/div                    |               | Offset 6.82 dE<br>20.00 dBm                |   |                               |                                   |          |                 |            | ſ                             |                     | 02 3 GH<br>101 dBn  |
| 10.0                         |               |  |   |                               |                                   |          |                 |            |                               |                     | 1   |
| 10.00                        |               |  |   |                               |                                   |          |                 |            |                               |                     | r.  |
| 20.0                         |               |  |   |                               |                                   |          |                 |            |                               |                     | -28.18 dE   |
| 40.0                         |               |  |   |                               |                                   |          |                 | × <b>4</b> |                               | . 2                 |   |
| 50.0                         | اليوميونا الم | J.A.J. Sector and a Martine                | and the state of the | ana da da ana                 | harrow with                       | born .   | an halen angles | pro        | ŗ≁√ <b>₩</b> ₩₩₽₽₩₽₽₩₽₽₩₽₽₩₽₽ |                     | and la  |
| 70.0                         |               |  |   |                               |                                   |          |                 |            |                               |                     |   |
| Start 2.30<br>#Res BW        |               |  |   | #VB                           | W 300 k                           | Hz       |                 |            | Sweep                         | Stop 2.<br>9.600 ms | 40600 GH<br>s (1001 pt  |
| KR MODE TF                   | c  SCL<br>f   | >  | <<br>2.402 3 GHz  | - <b>3.101</b>                |                                   | FUNCTION | FUNCTION WI     | DTH        | FU                            | NCTION VALUE        |   |
| 2 N 1<br>3 N 1<br>4 N 1<br>5 | f<br>f        |  | 2.400 0 GHz<br>2.390 0 GHz<br>2.371 2 GHz   | -53.337<br>-52.891            | dBm<br>dBm                        |          |                 |            |                               |                     |   |
| 6<br>7<br>8<br>9             |               |  |   |                               |                                   |          |                 |            |                               |                     |   |
| 10<br>11                     |               |  |   |                               |                                   |          |                 |            |                               |                     | >   |
|                              |               |  |   |                               |                                   |          |                 |            |                               |                     |   |

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

**Test Graphs** Band Edge NVNT 2402MHz Ref

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

04:05:50 PM Aug 12, 2024 TRACE 123456 TYPE MWWWWW DET PNNNNN

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Mkr1 2.402 256 GHz -3.179 dBm



gilent Spectrum Analyzer - Swept SA

Center Freq 2.402000000 GHz

Ref Offset 6.82 dB Ref 20.00 dBm

<mark>u</mark> R

10 dB/div Log

 $\sim$ 







#### SENSE:PULSE|SOURCE OFF | ALIGN AUTO | Avg Type: Log-Pwr Trig: Free Run Avg|Hold: 1000/1000 3:57 PM Aug 12, 2024 TRACE 1 2 3 4 5 6 TYPE MWWWWW DET P N N N N Center Freq 2.480000000 GHz PNO: Wide 🛶 Trig: Free Run IFGain:Low #Atten: 30 dB Mkr1 2.479 768 GHz -1.762 dBm Ref Offset 7.22 dB Ref 20.00 dBm 10 dB/div 1 an March har www mar la Center 2.480000 GHz #Res BW 100 kHz Span 8.000 MHz Sweep 1.000 ms (1001 pts) #VBW 300 kHz STATUS Band Edge NVNT 2480MHz Emission 04:00:14 PM Aug 12, 2024 TRACE 1 2 3 4 5 6 TYPE MWWWW DET P N N N N l R SENSE:PULSE SOURCE OFF Center Freq 2.526000000 GHz Avg Type: Log-Pwr Avg|Hold: 1000/1000 PNO: Fast ---- Trig: Free Run IFGain:Low #Atten: 30 dB Mkr1 2.479 8 GHz -1.818 dBm Ref Offset 7.22 dB Ref 20.00 dBm 10 dB/di Log $\langle \rangle^2 \langle \rangle^4$ $\Diamond^3$ Start 2.47600 GHz #Res BW 100 kHz Stop 2.57600 GHz Sweep 9.600 ms (1001 pts) #VBW 300 kHz FUNCTION WIDTH FUNCTION FUNCTION VALUE -1.818 dBm -51.445 dBm -53.141 dBm -50.218 dBm N 1 f N 1 f N 1 f 2.479 8 GHZ 2.483 5 GHz 2.500 0 GHz 3 GH 2 48

Band Edge NVNT 2480MHz Ref

10 11 MSG

gilent Spectrum Analyzer

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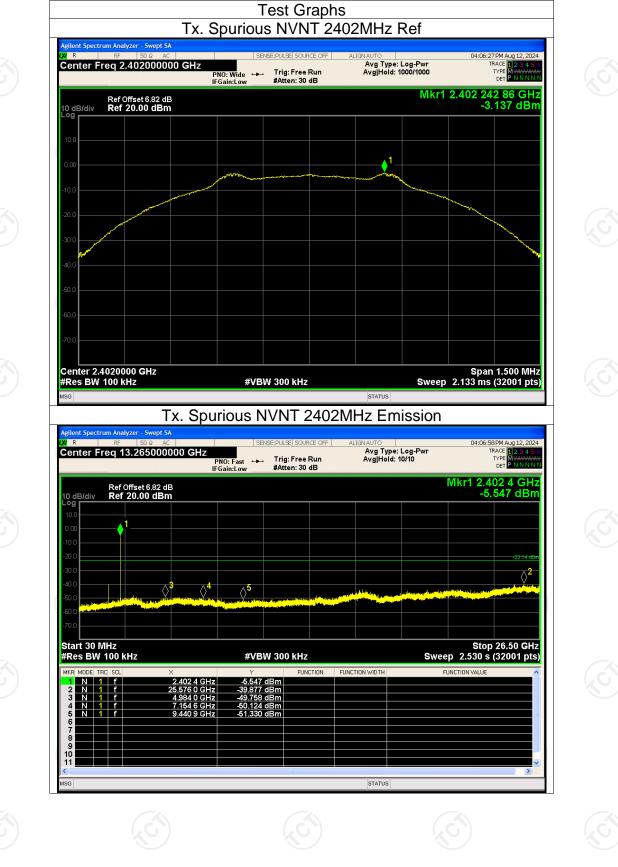






STATUS

| C  | Verdict<br>Pass<br>Pass | Limit (dBc)<br>-20<br>-20 | /alue (dBc)<br>36.73<br>37.55 | -36 | <b>cy (MHz)</b><br>02<br>40 | Condition<br>NVNT<br>NVNT |            |
|----|-------------------------|---------------------------|-------------------------------|-----|-----------------------------|---------------------------|------------|
| K. | Pass                    | -20                       | 35.63                         |     | 80                          | NVNT                      | <u>S</u> E |
|    |                         |                           |                               |     |                             |                           |            |
|    |                         |                           |                               |     |                             |                           |            |
|    |                         |                           |                               |     |                             |                           |            |
|    |                         |                           |                               |     |                             |                           |            |
|    |                         |                           |                               |     |                             |                           |            |
|    |                         |                           |                               |     |                             |                           |            |
|    |                         |                           |                               |     |                             |                           |            |
|    |                         |                           |                               |     |                             |                           |            |
|    |                         |                           |                               |     |                             |                           |            |
|    |                         |                           |                               |     |                             |                           |            |



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STATUS

MSG



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STATUS

## PNO: Wide 🛶 Trig: Free Run IFGain:Low #Atten: 30 dB Mkr1 2.479 753 34 GHz -1.618 dBm Ref Offset 7.22 dB Ref 20.00 dBm ▲1 Center 2.4800000 GHz #Res BW 100 kHz Span 1.500 MHz Sweep 2.133 ms (32001 pts) #VBW 300 kHz STATUS Tx. Spurious NVNT 2480MHz Emission 04:01:05 PM Aug 12, 2024 TRACE 1 2 3 4 5 6 TYPE MWWWW DET P N N N N SENSE:PULSE SOURCE OFF Avg Type: Log-Pwr Avg|Hold: 10/10 Center Freq 13.265000000 GHz PNO: Fast 🔸 Trig: Free Run IFGain:Low #Atten: 30 dB Mkr1 2.480 1 GHz -3.001 dBm Ref Offset 7.22 dB Ref 20.00 dBm

10 dB/div

U F

10 11 MSG

gilent Spectrum Analyzei

Center Freq 2.480000000 GHz

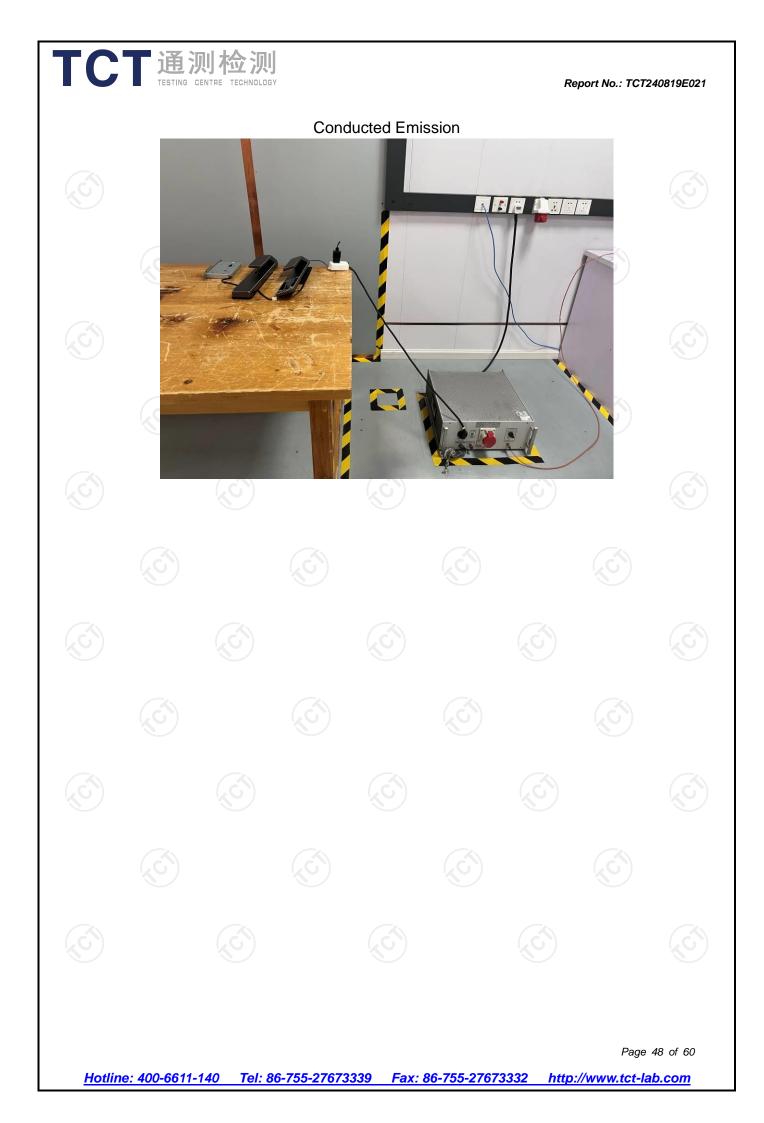
10 dB/di Log ⊘2  $\Diamond$  $\Diamond^{1}$  $\Diamond^{\mathbf{5}}$ Start 30 MHz #Res BW 100 kHz Stop 26.50 GHz Sweep 2.530 s (32001 pts) #VBW 300 kHz FUNCTION WIDTH FUNCTION FUNCTION VALUE N 1 f N 1 f N 1 f N 1 f N 1 f -3.001 dBm -37.256 dBm -50.074 dBm -49.783 dBm -50.829 dBm 1.710 8 GHz 5.055 2 GHz 7.602 1 GHz 10.073 7 GHz



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| TC     |              | 则检测<br>CENTRE TECHNOLOG | J<br>SY                |                         |                           | R  | eport No.: TCT2               | 240819E021 |
|--------|--------------|-------------------------|------------------------|-------------------------|---------------------------|--|-------------------------------|------------|
|        |              |                         |                        |                         |                           |  |                               |            |
|        |              |                         | 9 10 11 12 13 14 15 16 | 17 18 19 20 21 22 23 24 | 25 26 27 28 29 30 31 32 3 | + WS B2<br>B2<br>A3 34 35 36 37 38 39 40 4 | 1 42 43 44 45                 |            |
|        | 0-           | Ś                       |                        | <u>(5</u> )             |                           |  |                               |            |
|        |              |                         |                        |                         |                           |  |                               |            |
|        |              |                         |                        |                         |                           |  |                               |            |
|        |              |                         |                        |                         |                           |  |                               |            |
|        |              |                         |                        |                         |                           |  |                               |            |
|        |              |                         |                        |                         |                           |  |                               |            |
|        |              |                         |                        |                         |                           |  |                               |            |
| Hotlin | e: 400-6611- | .140 Tel: 8             | 36-755-27673           | 3339 Fax:               | 86-755-2767               | 3332 http                                  | Page<br>:// <b>www.tct-la</b> | 52 of 60   |

