

### CFR 47 FCC PART 15 SUBPART C ISED RSS-247 ISSUE 3 (DTS)

## **TEST REPORT**

For

## Smart LED downlight /Spot LED intelligent

## MODEL NUMBER: R1, R2

### **REPORT NUMBER: E04A23120598F00102**

### ISSUE DATE: Feb. 23, 2024

## FCC ID: 2A3MAR2

## IC: 27538-R2

### Prepared for

## **Lepro Innovation INC**

## 3651 Lindell Road Suite D1048, Las Vegas, NV 89103, USA

Prepared by

## Guangdong Global Testing Technology Co., Ltd.

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This report is based on a single evaluation of the submitted sample(s) of the above mentioned Product, it does not imply an assessment of the production of the products. This report shall not be reproduced, except in full, without the written approval ofGuangdong Global Testing Technology Co., Ltd.

TRF No.: 04-E001-0B Web: www.gtggroup.com

TRF Originator: GTG E-mail: info@gtggroup.com

TRF Date: 2023-12-13 Tel.: 86-400 755 8988

# **Revision History**

| Rev. | Issue Date    | Revisions     | Revised By |
|------|---------------|---------------|------------|
| V0   | Feb. 23, 2024 | Initial Issue |            |

| Test Item                  | Clause                           | Limit/Requirement                  | Result    |
|----------------------------|----------------------------------|------------------------------------|-----------|
| Antenna                    | N/A                              | FCC Part 15.203/15.247 (c)         | Complianc |
| Requirement                | N/A                              | RSS-GEN Clause 6.8                 | е         |
| AC Power Line              | ANSI C63.10-2013, Clause         | FCC Part 15.207                    | Pass      |
| Conducted Emission         | 6.2                              | RSS-GEN Clause 8.8                 | F 855     |
| Conducted Output           | ANSI C63.10-2013, Clause         | FCC Part 15.247 (b)(3)             | Pass      |
| Power                      | 11.9.1.3                         | RSS-247 Clause 5.4 (d)             | Fd55      |
| 6dB Bandwidth and          | ANSI C63.10-2013, Clause         | FCC Part 15.247 (a)(2)             |           |
| 99% Occupied               | 11.8.1                           | RSS-247 Clause 5.2 (a)             | Pass      |
| Bandwidth                  | 11.0.1                           | ISED RSS-Gen Clause 6.7            |           |
| Power Spectral             | ANSI C63.10-2013, Clause         | FCC Part 15.247 (e)                | Pass      |
| Density                    | 11.10.2                          | RSS-247 Clause 5.2 (b)             | F 855     |
| Conducted Band             | ANSI C63.10-2013, Clause         | FCC Part 15.247(d)                 | _         |
| edge and spurious emission | 11.11                            | RSS-247 Clause 5.5                 | Pass      |
| Padiated Pand adap         |                                  | FCC Part 15.247 (d)                |           |
| Radiated Band edge         | ANSI C63.10-2013, Clause         | FCC Part 15.205/15.209             | Pass      |
| and Spurious<br>Emission   | 11.11 & Clause 11.12             | RSS-247 Clause 5.5                 | Fa55      |
| E1111551011                |                                  | RSS-GEN Clause 8.9                 |           |
| Duty Cycle                 | ANSI C63.10-2013, Clause<br>11.6 | None; for reporting purposes only. | Pass      |

## Summary of Test Results

\*This test report is only published to and used by the applicant, and it is not for evidence purpose in China.

\*The measurement result for the sample received is <Pass> according to <CFR 47 FCC PART 15 SUBPART C

ISED RSS-247 ISSUE 3 (DTS)> when <Accuracy Method> decision rule is applied.

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| 7.<br>7<br>7<br>7<br>7<br>7<br>7<br>7<br>7<br>7<br>7<br>7<br>7<br>7          | ANTEI<br>7.1.<br>7.2.<br>7.3.<br>7.4.<br>7.5.<br>RADIA<br>3.1.<br>ANTEI | NNA PORT TEST RESULTS<br>Conducted Output Power  |  |  |  |  |  |

# **1. ATTESTATION OF TEST RESULTS**

#### **Applicant Information** Company Name: Lepro Innovation INC Address: 3651 Lindell Road Suite D1048, Las Vegas, NV 89103, USA **Manufacturer Information** Company Name: Lepro Innovation INC Address: 3651 Lindell Road Suite D1048, Las Vegas, NV 89103, USA **Factory Information** Company Name: Xiamen Yiyuanyuan Technology Ltd 3/F No.78, Meixi Road Siming Zone, Tongan District, Xiamen, Address: Fujian, China **EUT Information Product Description:** Smart LED downlight /Spot LED intelligent Model: R2 Series Model: R1 Brand: Lepre Sample Received Date: Jan. 17, 2024 Sample Status: Normal Sample ID: A23120598 001 Date of Tested: Jan. 17, 2024 to Feb. 20, 2024

| APPLICABLE STANDARDS         |      |  |  |  |
|------------------------------|------|--|--|--|
| STANDARD TEST RESULTS        |      |  |  |  |
| CFR 47 FCC PART 15 SUBPART C | Pass |  |  |  |
| ISED RSS-247 ISSUE 3 (DTS)   | rd55 |  |  |  |

Prepared By: Checked By: an 1 Ce podl chen CHAlan He Poal Chen Q **Project Engineer** aboratory Leader Approved By: CERTIFIC Shawn Wen Laboratory Manager

# 2. TEST METHODOLOGY

All tests were performed in accordance with the standardCFR 47 FCC PART 15 SUBPART C ISED RSS-247 ISSUE 3 (DTS)

# 3. FACILITIES AND ACCREDITATION

|                           | A2LA (Certificate No.: 6947.01)                                      |
|---------------------------|--|
|                           | Guangdong Global Testing Technology Co., Ltd.                        |
|                           | has been assessed and proved to be in compliance with A2LA.          |
|                           | FCC (FCC Designation No.: CN1343)                                    |
|                           | Guangdong Global Testing Technology Co., Ltd.                        |
|                           | has been recognized to perform compliance testing on equipment       |
| Accreditation Certificate | subject to Supplier's Declaration of Conformity (SDoC) and           |
|                           | Certification rules  |
|                           | ISED (Company No.: 30714)  |
|                           | Guangdong Global Testing Technology Co., Ltd.                        |
|                           | has been registered and fully described in a report filed with ISED. |
|                           | The Company Number is 30714 and the test lab Conformity              |
|                           | Assessment Body Identifier (CABID) is CN0148.                        |

Note: All tests measurement facilities use to collect the measurement data are located at Room 101-105, 203-210, Building 1, No.2, Keji 8 Road, Songshan Lake Park, Dongguan city, Guangdong, People's Republic of China, 523808

# 4. CALIBRATION AND UNCERTAINTY

# 4.1. MEASURING INSTRUMENT CALIBRATION

The measuring equipment utilized to perform the tests documented in this report has been calibrated in accordance with the manufacturer's recommendations and is traceable to recognized national standards.

# 4.2. MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the apparatus:

| Test Items  | k    | Uncertainty |  |  |
|---|------|-------------|--|--|
| DTS Bandwidth   | 1.96 | ±9.2 PPM    |  |  |
| 20dB Emission Bandwidth   | 1.96 | ±9.2 PPM    |  |  |
| Carrier Frequency Separation  | 1.96 | ±9.2 PPM    |  |  |
| Time of Occupancy   | 1.96 | ±0.57%      |  |  |
| Conducted Output Power  | 1.96 | ±1.5 dB     |  |  |
| Power Spectral Density Level  | 1.96 | ±1.9 dB     |  |  |
| Conducted Spurious Emission         1.96         9 kHz-30 MHz: ± 0.95 dB<br>30 MHz-1 GHz: ± 1.5 dB<br>1GHz-12.75GHz: ± 1.8 dB<br>12.75 GHz-26.5 GHz: ± 2.10 |      |             |  |  |
| Note: This uncertainty represents an expanded uncertainty expressed at approximately the $95\%$ confidence level using a coverage factor of k=1.96.         |      |             |  |  |

| Test Item   | Measurement Frequency Range | К | U(dB) |  |
|---|-----------------------------|---|-------|--|
| Conducted emissions from the AC mains power ports (AMN)   | 150 kHz ~ 30 MHz            | 2 | 3.37  |  |
| Radiated emissions  | 9 kHz ~ 30 MHz              | 2 | 4.16  |  |
| Radiated emissions  | 30 MHz ~ 1 GHz              | 2 | 3.79  |  |
| Radiated emissions  | 1 GHz ~ 18 GHz              | 2 | 5.62  |  |
| Radiated emissions  | 18 GHz ~ 40 GHz             | 2 | 5.54  |  |
| Note: This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2. |                             |   |       |  |

# 5. EQUIPMENT UNDER TEST

# 5.1. DESCRIPTION OF EUT

| EUT Name         |    | Smart LED downlight /Spot LED intelligent |
|------------------|----|---|
| Model            |    | R2  |
| Series Model     |    | R1  |
| Hardware Versior | า  | V1.0                                      |
| Software Version |    | V1.0                                      |
| Ratings          |    | AC 120V 60Hz                              |
| Davier Currely   | AC | AC 120V 60Hz                              |
| Power Supply DC  |    |   |

| Frequency Band:      | 2400 MHz to 2483.5 MHz |
|----------------------|------------------------|
| Frequency Range:     | 2402 MHz to 2480 MHz   |
| Bluetooth Version:   | Bluetooth 5.0          |
| Bluetooth Mode:      | Bluetooth LE           |
| Type of Modulation:  | GFSK                   |
| Number of Channels:  | 40                     |
| Channel Separation:  | 2 MHz                  |
| Maximum Peak Power:  | 9.56 dBm               |
| Antenna Type:        | PCB Antenna            |
| Antenna Gain:        | 4.16 dBi               |
| Normal Test Voltage: | 5 Vdc                  |
| EUT Test software:   | XCOM V2.0              |

# 5.2. CHANNEL LIST

| Channel | Frequency<br>(MHz) | Channel | Frequency<br>(MHz) | Channel | Frequency<br>(MHz) | Channel | Frequency<br>(MHz) |
|---------|--------------------|---------|--------------------|---------|--------------------|---------|--------------------|
| 0       | 2402               | 11      | 2424               | 22      | 2446               | 33      | 2468               |
| 1       | 2404               | 12      | 2426               | 23      | 2448               | 34      | 2470               |
| 2       | 2406               | 13      | 2428               | 24      | 2450               | 35      | 2472               |
| 3       | 2408               | 14      | 2430               | 25      | 2452               | 36      | 2474               |
| 4       | 2410               | 15      | 2432               | 26      | 2454               | 37      | 2476               |
| 5       | 2412               | 16      | 2434               | 27      | 2456               | 38      | 2478               |
| 6       | 2414               | 17      | 2436               | 28      | 2458               | 39      | 2480               |
| 7       | 2416               | 18      | 2438               | 29      | 2460               | /       | /                  |
| 8       | 2418               | 19      | 2440               | 30      | 2462               | /       | /                  |
| 9       | 2420               | 20      | 2442               | 31      | 2464               | /       | /                  |
| 10      | 2422               | 21      | 2444               | 32      | 2468               | /       | /                  |

## 5.3. MAXIMUM AVERAGE EIRP

| Test Mode | Frequency<br>(MHz) | Channel Number | Maximum Peak<br>Output Power<br>(dBm) | Maximum<br>EIRP<br>(dBm) |
|-----------|--------------------|----------------|---------------------------------------|--------------------------|
| LE 1Mbps  | 2402 ~ 2480        | 0-39[40]       | 9.44                                  | 13.60                    |
| LE 2Mbps  | 2402 ~ 2480        | 0-39[40]       | 9.56                                  | 13.72                    |

## 5.4. TEST CHANNEL CONFIGURATION

| Test Mode | Test Channel                 | Frequency                    |
|-----------|------------------------------|------------------------------|
|           | CH 0(Low Channel), CH 19(MID |                              |
| LE 1 Mbps | Channel),                    | 2402 MHz, 2440 MHz, 2480 MHz |
|           | CH 39(High Channel)          |                              |
|           | CH 0(Low Channel), CH 19(MID |                              |
| LE 2Mbps  | Channel),                    | 2402 MHz, 2440 MHz, 2480 MHz |
|           | CH 39(High Channel)          |                              |

## 5.5. THE WORSE CASE POWER SETTING PARAMETER

| The Worse Case Power Setting Parameter under 2400 ~ 2483.5MHz Band |                   |                             |         |         |
|--|-------------------|-----------------------------|---------|---------|
| Test Software Version XCOM V2.0                                    |                   |                             |         |         |
| Modulation   | Transmit          | Test Software setting value |         |         |
| Type Antenr  | Antenna<br>Number | CH 0                        | CH 19   | CH 39   |
| GFSK(1Mbps)  | 1                 | default                     | default | default |

## 5.6. DESCRIPTION OF AVAILABLE ANTENNAS

| Antenna | Frequency (MHz) | Antenna Type | MAX Antenna Gain (dBi) |
|---------|-----------------|--------------|------------------------|
| 1       | 2402-2480       | PCB          | 4.16                   |

| Test Mode | Transmit and<br>Receive Mode | Description  |
|-----------|------------------------------|--|
| LE 1Mbps  | ⊠1TX, 1RX                    | Antenna 1 can be used as transmitting/receiving antenna. |
| LE 2Mbps  | ⊠1TX, 1RX                    | Antenna 1 can be used as transmitting/receiving antenna. |
| Note:     |                              |  |

Note: The value of the antenna gain was declared by customer.

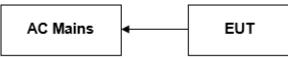
# 5.7. SUPPORT UNITS FOR SYSTEM TEST

The following support units or accessories were used to form a representative test configuration during the tests.

| Item | Equipment | Mfr/Brand | Model/Type No. | Series No. | Note        |
|------|-----------|-----------|----------------|------------|-------------|
| E-1  | PC        | Lenovo    | B4650-D002     | M90601U3   | GTG Support |

# 5.8. SETUP DIAGRAM

## AC conducted emission



**Radiated Emission:** 

| AC Mains | • | EUT | <b></b> | PC |
|----------|---|-----|---------|----|
|----------|---|-----|---------|----|

**RF conducted:** 



# 6. MEASURING EQUIPMENT AND SOFTWARE USED

|   | Test Equipment of Conducted RF |                         |             |            |            |  |  |
|---|--------------------------------|-------------------------|-------------|------------|------------|--|--|
| Equipment                                 | Manufacturer                   | Model No.               | Serial No.  | Last Cal.  | Due Date   |  |  |
| Spectrum Analyzer                         | Rohde &<br>Schwarz             | FSV40                   | 102257      | 2023/09/18 | 2024/09/17 |  |  |
| Spectrum Analyzer                         | KEYSIGHT                       | N9020A                  | MY51285127  | 2023/09/18 | 2024/09/17 |  |  |
| EXG Analog Signal<br>Generator            | KEYSIGHT                       | N5173B                  | MY61253075  | 2023/09/18 | 2024/09/17 |  |  |
| Vector Signal<br>Generator                | Rohde &<br>Schwarz             | SMM100A                 | 101899      | 2023/09/18 | 2024/09/17 |  |  |
| RF Control box                            | MWRF-test                      | MW100-RFCB              | MW220926GTG | 2023/09/18 | 2024/09/17 |  |  |
| Wideband Radio<br>Communication<br>Tester | Rohde &<br>Schwarz             | CMW270                  | 102792      | 2023/09/18 | 2024/09/17 |  |  |
| Wideband Radio<br>Communication<br>Tester | Rohde &<br>Schwarz             | CMW500                  | 103235      | 2023/09/18 | 2024/09/17 |  |  |
| temperature humidity chamber              | Espec                          | SH-241                  | SH-241-2014 | 2023/09/18 | 2024/09/17 |  |  |
| RF Test Software                          | MWRF-test                      | MTS8310E<br>(Ver. V2/0) | N/A         | N/A        | N/A        |  |  |

|                             | Test Equipment of Radiated emissions below 1GHz |                               |            |            |            |  |  |
|-----------------------------|---|-------------------------------|------------|------------|------------|--|--|
| Equipment                   | Manufacturer                                    | Model No.                     | Serial No. | Last Cal.  | Due Date   |  |  |
| 3m Semi-anechoic<br>Chamber | ETS   | 9m*6m*6m                      | Q2146      | 2022/08/30 | 2025/08/29 |  |  |
| EMI Test Receiver           | Rohde &<br>Schwarz                              | ESCI3                         | 101409     | 2023/09/18 | 2024/09/17 |  |  |
| Spectrum Analyzer           | KEYSIGHT  | N9020A                        | MY51283932 | 2023/09/18 | 2024/09/17 |  |  |
| Pre-Amplifier               | HzEMC   | HPA-9K0130                    | HYPA21001  | 2023/09/18 | 2024/09/17 |  |  |
| Biconilog Antenna           | Schwarzbeck                                     | VULB 9168                     | 01315      | 2022/10/10 | 2025/10/09 |  |  |
| Biconilog Antenna           | ETS   | 3142E                         | 00243646   | 2022/03/23 | 2025/03/22 |  |  |
| Loop Antenna                | ETS   | 6502                          | 243668     | 2022/03/30 | 2025/03/29 |  |  |
| Test Software               | Farad   | EZ-EMC<br>(Ver.FA-03A2<br>RE) | N/A        | N/A        | N/A        |  |  |

|                             | Test Equipment of Radiated emissions above 1GHz |            |            |            |            |  |  |
|-----------------------------|---|------------|------------|------------|------------|--|--|
| Equipment                   | Manufacturer                                    | Model No.  | Serial No. | Last Cal.  | Due Date   |  |  |
| 3m Semi-anechoic<br>Chamber | ETS   | 9m*6m*6m   | Q2149      | 2022/08/30 | 2025/08/29 |  |  |
| Spectrum Analyzer           | Rohde &<br>Schwarz                              | FSV40      | 101413     | 2023/09/18 | 2024/09/17 |  |  |
| Spectrum Analyzer           | KEYSIGHT  | N9020A     | MY51283932 | 2023/09/18 | 2024/09/17 |  |  |
| Pre-Amplifier               | A-INFO  | HPA-1G1850 | HYPA21003  | 2023/09/18 | 2024/09/17 |  |  |
| Horn antenna                | A-INFO  | 3117       | 246069     | 2022/03/11 | 2025/03/10 |  |  |
| Pre-Amplifier               | ZKJC  | HPA-184057 | HYPA21004  | 2023/09/18 | 2024/09/17 |  |  |

TRF No.: 04-E001-0BGlobal Testing , Great Quality.

| Horn antenna  | ZKJC  | 3116C                          | 246265 | 2022/03/29 | 2025/03/28 |
|---------------|-------|--------------------------------|--------|------------|------------|
| Test Software | Farad | EZ-EMC<br>(Ver.FA-03A2<br>RE+) | N/A    | N/A        | N/A        |

| Test Equipment of Conducted emissions |                    |                                    |            |            |            |
|---------------------------------------|--------------------|------------------------------------|------------|------------|------------|
| Equipment                             | Manufacturer       | Model No.                          | Serial No. | Last Cal.  | Due Date   |
| Shielded Room                         | CHENG YU           | 8m*5m*4m                           | N/A        | 2022/10/29 | 2025/10/28 |
| EMI Test Receiver                     | Rohde &<br>Schwarz | ESR3                               | 102647     | 2023/09/18 | 2024/09/17 |
| LISN/AMN                              | Rohde &<br>Schwarz | ENV216                             | 102843     | 2023/09/18 | 2024/09/17 |
| NNLK 8129 RC                          | Schwarzbeck        | NNLK 8129 RC                       | 5046       | 2023/09/18 | 2024/09/17 |
| Test Software                         | Farad              | EZ-EMC (Ver.<br>EMC-con-3A1<br>1+) | N/A        | N/A        | N/A        |

# 7. ANTENNA PORT TEST RESULTS

## 7.1. CONDUCTED OUTPUT POWER

#### LIMITS

| CFR 47 FCC Part15 (15.247) Subpart C<br>ISED RSS-247 ISSUE 3 |                              |                  |             |  |  |
|--|------------------------------|------------------|-------------|--|--|
| Section Test Item Limit Frequency Range (MHz)                |                              |                  |             |  |  |
| CFR 47 FCC 15.247(b)(3)<br>ISED RSS-247 5.4 (d)              | Peak Conduct<br>Output Power | 1 watt or 30 dBm | 2400-2483.5 |  |  |

#### TEST PROCEDURE

Connect the EUT to a low loss RF cable from the antenna port to the power sensor (video bandwidth is greater than the occupied bandwidth).

Measure peak emission level, the indicated level is the peak output power, after any corrections for external attenuators and cables.

#### TEST SETUP



#### **TEST ENVIRONMENT**

| Temperature         | <b>23.5</b> ℃ | Relative Humidity | 49% |
|---------------------|---------------|-------------------|-----|
| Atmosphere Pressure | 101kPa        |                   |     |

#### TEST RESULTS

Please refer to section "Test Data" - Appendix A

## 7.2. 6DB BANDWIDTH AND 99% OCCUPIED BANDWIDTH

#### <u>LIMITS</u>

| CFR 47 FCC Part15 (15.247) Subpart C<br>ISED RSS-247 ISSUE 3              |                |           |             |  |
|---|----------------|-----------|-------------|--|
| Section Test Item Limit Frequency Range (MHz)                             |                |           |             |  |
| CFR 47 FCC 15.247(a)(2)<br>ISED RSS-247 5.2 (a)                           | 6 dB Bandwidth | ≥ 500 kHz | 2400-2483.5 |  |
| ISED RSS-Gen Clause 6.7 99 % Occupied For reporting 2400-2483.5 Bandwidth |                |           |             |  |

#### TEST PROCEDURE

Refer to ANSI C63.10-2013 clause 11.8 for DTS bandwidth and clause 6.9 for Occupied Bandwidth.

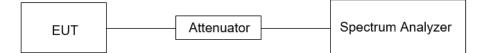
Connect the EUT to the spectrum analyser and use the following settings:

| Center Frequency | The center frequency of the channel under test  |
|------------------|---|
| Frequency Span   | For 6 dB Bandwidth: Enough to capture all products of the modulation carrier emission<br>For 99 % Occupied Bandwidth: Between 1.5 times and 5.0 times the OBW |
| Detector         | Peak  |
| RR///            | For 6 dB Bandwidth: 100 kHz<br>For 99 % Occupied Bandwidth: 1 % to 5 % of the occupied bandwidth  |
| IV BW            | For 6 dB Bandwidth: ≥3 × RBW<br>For 99 % Occupied Bandwidth:≥3 × RBW  |
| Trace            | Max hold  |
| Sweep            | Auto couple   |

a) Use the 99 % power bandwidth function of the instrument, allow the trace to stabilize and report the measured bandwidth.

b) Allow the trace to stabilize and measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

#### TEST SETUP



#### **TEST ENVIRONMENT**

| Temperature         | <b>23.5</b> ℃ | Relative Humidity | 49% |
|---------------------|---------------|-------------------|-----|
| Atmosphere Pressure | 101kPa        |                   |     |

### TEST RESULTS

Please refer to section "Test Data" - Appendix A

# 7.3. POWER SPECTRAL DENSITY

#### <u>LIMITS</u>

| CFR 47 FCC Part15 (15.247) Subpart C<br>ISED RSS-247 ISSUE 3 |                        |                            |             |
|--|------------------------|----------------------------|-------------|
| Section Test Item Limit Frequency Range<br>(MHz)             |                        |                            |             |
| CFR 47 FCC §15.247 (e)<br>ISED RSS-247 5.2 (b)               | Power Spectral Density | 8 dBm in any 3<br>kHz band | 2400-2483.5 |

#### TEST PROCEDURE

Refer to ANSI C63.10-2013 clause 11.10.

Connect the EUT to the spectrum analyser and use the following settings:

| Center Frequency | The center frequency of the channel under test     |
|------------------|--|
| Detector         | PEAK   |
| RBW              | $3 \text{ kHz} \le \text{RBW} \le 100 \text{ kHz}$ |
| VBW              | ≥3 × RBW   |
| Span             | 1.5 xDTS bandwidth                                 |
| Trace            | Max hold   |
| Sweep time       | Auto couple  |

Allow trace to fully stabilize and use the peak marker function to determine the maximum amplitude level within the RBW.

If measured value exceeds limit, reduce RBW (no less than 3 kHz) and repeat.

#### TEST SETUP



#### TEST ENVIRONMENT

| Temperature         | <b>23.5</b> ℃ | Relative Humidity | 49% |
|---------------------|---------------|-------------------|-----|
| Atmosphere Pressure | 101kPa        |                   |     |

#### TEST RESULTS

Please refer to section "Test Data" - Appendix A

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## 7.4. CONDUCTED BAND EDGE AND SPURIOUS EMISSION

| CFR 47 FCC Part15 (15.247) Subpart C<br>ISED RSS-247 ISSUE 3     |  |   |  |
|--|--|---|--|
| Section Test Item Limit  |  |   |  |
| CFR 47 FCC §15.247 (d)<br>ISED RSS-247 5.5<br>Spurious Emissions |  | at least 20 dB below that in the 100 kHz<br>bandwidth within the band that contains<br>the highest level of the desired power |  |

#### LIMITS

#### TEST PROCEDURE

Refer to ANSI C63.10-2013 clause 11.11 and 11.13.

Connect the EUT to the spectrum analyser and use the following settings for reference level measurement:

| Center Frequency | The center frequency of the channel under test |
|------------------|--|
| Detector         | Peak   |
| RBW              | 100 kHz  |
| VBW              | ≥3 × RBW                                       |
| Span             | 1.5 xDTS bandwidth                             |
| Trace            | Max hold                                       |
| Sweep time       | Auto couple.                                   |

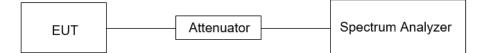
Allow trace to fully stabilize and use the peak marker function to determine the maximum PSD level.

Change the settings for emission level measurement:

| Span               | Set the center frequency and span to encompass frequency range to be measured |
|--------------------|---|
| Detector           | Peak  |
| RBW                | 100 kHz   |
| VBW                | ≥3 × RBW  |
| measurement points | ≥span/RBW   |
| Trace              | Max hold  |
| Sweep time         | Auto couple.  |

Allow trace to fully stabilize and use the peak marker function to determine the maximum PSD level. Ensure that the amplitude of all unwanted emissions outside of the authorized frequency band (excluding restricted frequency bands) is attenuated by at least the minimum requirements specified in 11.11.

### TEST SETUP



#### **TEST ENVIRONMENT**

| Temperature         | <b>23.5</b> ℃ | Relative Humidity | 49% |
|---------------------|---------------|-------------------|-----|
| Atmosphere Pressure | 101kPa        |                   |     |

### TEST RESULTS

Please refer to section "Test Data" - Appendix A

## 7.5. DUTY CYCLE

## LIMITS

None; for reporting purposes only.

#### TEST PROCEDURE

Refer to ANSI C63.10-2013 clause 11.6 Zero – Span Spectrum Analyzer method.

#### TEST SETUP



#### **TEST ENVIRONMENT**

| Temperature         | <b>23.5</b> ℃ | Relative Humidity | 49% |
|---------------------|---------------|-------------------|-----|
| Atmosphere Pressure | 101kPa        |                   |     |

#### TEST RESULTS

Please refer to section "Test Data" - Appendix B

# 8. RADIATED TEST RESULTS

### <u>LIMITS</u>

Please refer to CFR 47 FCC §15.205 and §15.209.

Please refer to ISED RSS-GEN Clause 8.9 and Clause 8.10.

Radiation Disturbance Test Limit for FCC (Class B) (9 kHz ~ 1 GHz)

| Emissions radiated outside of the specified frequency bands above 30 MHz |                                       |   |         |  |
|--|---------------------------------------|---|---------|--|
| Frequency Range<br>(MHz)   | Field Strength Limit<br>(uV/m) at 3 m | Field Strength Limit<br>(dBuV/m) at 3 m |         |  |
|  |                                       | Quasi-Peak                              |         |  |
| 30 - 88  | 100                                   | 40                                      |         |  |
| 88 - 216   | 150                                   | 43.5                                    |         |  |
| 216 - 960  | 200                                   | 46                                      |         |  |
| Above 960  | 500                                   | 54                                      |         |  |
| Above 1000   | 500                                   | Peak                                    | Average |  |
|  | 500                                   | 74                                      | 54      |  |

| FCC Emissions radiated outside of the specified frequency bands below 30 MHz                    |              |     |  |  |  |  |
|---|--------------|-----|--|--|--|--|
| Frequency (MHz)         Field strength (microvolts/meter)         Measurement distance (meters) |              |     |  |  |  |  |
| 0.009-0.490   | 2400/F(kHz)  | 300 |  |  |  |  |
| 0.490-1.705   | 24000/F(kHz) | 30  |  |  |  |  |
| 1.705-30.0  | 30           | 30  |  |  |  |  |

#### ISED General field strength limits at frequencies below 30 MHz

| Table 6 – General field strength limits at frequencies below 30 MHz                        |                   |     |  |  |  |
|--|-------------------|-----|--|--|--|
| Frequency         Magnetic field strength (H-Field) (μA/m)         Measurement distance (r |                   |     |  |  |  |
| 9 - 490 kHz <sup>Note 1</sup>  | 6.37/F (F in kHz) | 300 |  |  |  |
| 490 - 1705 kHz   | 63.7/F (F in kHz) | 30  |  |  |  |
| 1.705 - 30 MHz   | 0.08              | 30  |  |  |  |

**Note 1:** The emission limits for the ranges 9-90 kHz and 110-490 kHz are based on measurements employing a linear average detector.

#### ISED Restricted bands please refer to ISED RSS-GEN Clause 8.10

|                     | Table 7 – Restricted frequency bands <sup>k</sup> |               |
|---------------------|---|---------------|
| MHz                 | MHz   | GHz           |
| 0.090 - 0.110       | 149.9 - 150.05                                    | 9.0 - 9.2     |
| 0.495 - 0.505       | 158.52475 - 158.52525                             | 9.3 - 9.5     |
| 2.1735 - 2.1905     | 156.7 - 156.9                                     | 10.6 - 12.7   |
| 3.020 - 3.028       | 162.0125 - 167.17                                 | 13.25 - 13.4  |
| 4.125 - 4.128       | 167.72 - 173.2                                    | 14.47 - 14.5  |
| 4.17725 - 4.17775   | 240 - 285   | 15.35 - 16.2  |
| 4.20725 - 4.20775   | 322 - 335.4                                       | 17.7 - 21.4   |
| 5.677 - 5.683       | 399.9 - 410                                       | 22.01 - 23.12 |
| 6.215 - 6.218       | 608 - 614   | 23.6 - 24.0   |
| 6.26775 - 6.26825   | 960 - 1427  | 31.2 - 31.8   |
| 6.31175 - 6.31225   | 1435 - 1626.5                                     | 36.43 - 36.5  |
| 8.291 - 8.294       | 1645.5 - 1648.5                                   | Above 38.6    |
| 8.362 - 8.366       | 1660 - 1710                                       |               |
| 8.37625 - 8.38675   | 1718.8 - 1722.2                                   |               |
| 8.41425 - 8.41475   | 2200 - 2300                                       |               |
| 12.29 - 12.293      | 2310 - 2390                                       |               |
| 12.51975 - 12.52025 | 2483.5 - 2500                                     |               |
| 12.57675 - 12.57725 | 2655 - 2900                                       |               |
| 13.36 - 13.41       | 3260 - 3267                                       |               |
| 18.42 - 18.423      | 3332 - 3339                                       |               |
| 18.89475 - 18.89525 | 3345.8 - 3358                                     |               |
| 18.80425 - 18.80475 | 3500 - 4400                                       |               |
| 25.5 - 25.67        | 4500 - 5150                                       |               |
| 37.5 - 38.25        | 5350 - 5460                                       |               |
| 73 - 74.6           | 7250 - 7750                                       |               |
| 74.8 - 75.2         | 8025 - 8500                                       |               |

Note 1: Certain frequency bands listed in table 7 and in bands above 38.6 GHz are designated for licence-exempt applications. These frequency bands and the requirements that apply to related devices are set out in the 200 and 300 series of RSSs.

FCC Restricted bands of operation refer to FCC §15.205 (a):

| MHz                      | MHz                 | MHz           | GHz         |
|--------------------------|---------------------|---------------|-------------|
| 0.090-0.110              | 16.42-16.423        | 399.9-410     | 4.5-5.15    |
| <sup>1</sup> 0.495-0.505 | 16.69475-16.69525   | 608-614       | 5.35-5.46   |
| 2.1735-2.1905            | 16.80425-16.80475   | 960-1240      | 7.25-7.75   |
| 4.125-4.128              | 25.5-25.67          | 1300-1427     | 8.025-8.5   |
| 4.17725-4.17775          | 37.5-38.25          | 1435-1626.5   | 9.0-9.2     |
| 4.20725-4.20775          | 73-74.6             | 1645.5-1646.5 | 9.3-9.5     |
| 6.215-6.218              | 74.8-75.2           | 1660-1710     | 10.6-12.7   |
| 6.26775-6.26825          | 108-121.94          | 1718.8-1722.2 | 13.25-13.4  |
| 6.31175-6.31225          | 123-138             | 2200-2300     | 14.47-14.5  |
| 8.291-8.294              | 149.9-150.05        | 2310-2390     | 15.35-16.2  |
| 8.362-8.366              | 156.52475-156.52525 | 2483.5-2500   | 17.7-21.4   |
| 8.37625-8.38675          | 156.7-156.9         | 2690-2900     | 22.01-23.12 |
| 8.41425-8.41475          | 162.0125-167.17     | 3260-3267     | 23.6-24.0   |
| 12.29-12.293             | 167.72-173.2        | 3332-3339     | 31.2-31.8   |
| 12.51975-12.52025        | 240-285             | 3345.8-3358   | 36.43-36.5  |
| 12.57675-12.57725        | 322-335.4           | 3600-4400     | (2)         |
| 13.36-13.41              |                     |               |             |

Note: <sup>1</sup>Until February 1, 1999, this restricted band shall be 0.490-0.510 MHz. <sup>2</sup>Above 38.6c

#### TEST PROCEDURE

Below 30 MHz

The setting of the spectrum analyser

| RBW   | 200 Hz (From 9 kHz to 0.15 MHz)/ 9 kHz (From 0.15 MHz to 30 MHz) |
|-------|--|
| VBW   | 200 Hz (From 9 kHz to 0.15 MHz)/ 9 kHz (From 0.15 MHz to 30 MHz) |
| Sweep | Auto   |

1. The testing follows the guidelines in ANSI C63.10-2013 clause 6.4.

2. The EUT was arranged to its worst case and then turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level.Both Horizontal, Face-on and Face-off polarizations of the antenna are set to make the measurement.

3. The EUT was placed on a turntable with 80 cm above ground.

4. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a 1 m height antenna tower.

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

6. For measurement below 1 GHz, the initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak and average detector mode re-measured. 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 and average detector and reported.

7. Although these tests were performed other than open field site, adequate comparison measurements were confirmed against 30m open field site. Therefore sufficient tests were made to demonstrate that the alternative site produces results that correlate with the ones of tests made in an open field site based on KDB 414788.

8. The limits in CFR 47, Part 15, Subpart C, paragraph 15.209 (a), are identical to those in RSS-GEN Section 8.9, Table 6, since the measurements are performed in terms of magnetic field strength and converted to electric field strength levels (as reported in the table) using the free space impedance of  $377\Omega$ . For example, the measurement frequency X KHz resulted in a level of Y dBuV/m, which is equivalent to Y-51.5 = Z dBuA/m, which has the same margin, W dB, to the corresponding RSS-GEN Table 6 limit as it has to be 15.209(a) limit.

Below 1 GHz and above 30 MHz

The setting of the spectrum analyser

| RBW      | 120 kHz  |
|----------|----------|
| VBW      | 300 kHz  |
| Sweep    | Auto     |
| Detector | Peak/QP  |
| Trace    | Max hold |

1. The testing follows the guidelines in ANSI C63.10-2013 clause 6.5.

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2. The EUT was arranged to its worst case and then tune the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level.Both horizontal and vertical polarizations of the antenna are set to make the measurement.

3. The EUT was placed on a turntable with 80 cm above ground.

4. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.

5. For measurement below 1 GHz, the initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured. 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.

#### Above 1G

The setting of the spectrum analyser

| RBW      | MHz                            |  |
|----------|--------------------------------|--|
| IV BW    | PEAK: 3 MHz<br>AVG: see note 6 |  |
| Sweep    | Auto                           |  |
| Detector | Peak                           |  |
| Trace    | Max hold                       |  |

1. The testing follows the guidelines in ANSI C63.10-2013 clause 6.6.

2. The EUT was arranged to its worst case and then tune the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level.Both horizontal and vertical polarizations of the antenna are set to make the measurement.

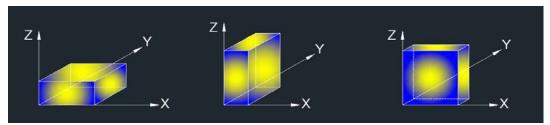
3. The EUT was placed on a turntable with 1.5 m above ground.

4. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.

5. For measurement above 1 GHz, the emission measurement will be measured by the peak detector. This peak level, once corrected, must comply with the limit specified in Section 15.209.

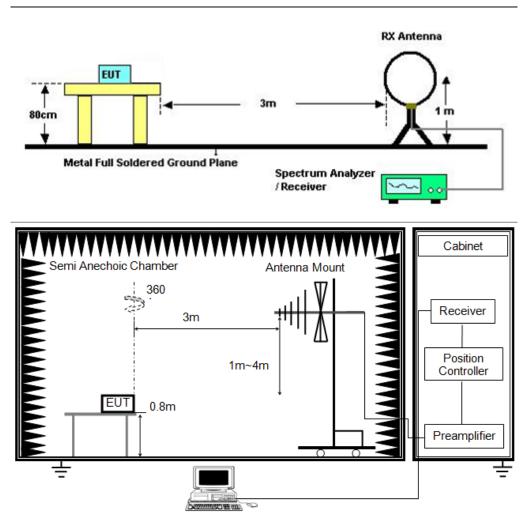
6. For measurements above 1 GHz the resolution bandwidth is set to 1 MHz, then the video bandwidth is set to 3 MHz for peak measurements and 1 MHz resolution bandwidth with 1/T video bandwidth with peak detector for average measurements. For the Duty Cycle please refer to clause 7.1.ON TIME AND DUTY CYCLE.

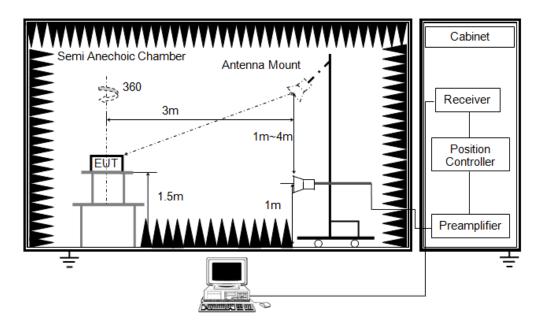
#### X axis, Y axis, Z axis positions:



Note 1: For all radiated test, EUT in each of three orthogonal axis emissions had been tested, but only the worst case (X axis) data recorded in the report.

#### TEST SETUP





#### **TEST ENVIRONMENT**

| Temperature         | <b>24.3</b> ℃ | Relative Humidity | 54% |
|---------------------|---------------|-------------------|-----|
| Atmosphere Pressure | 101kPa        |                   |     |

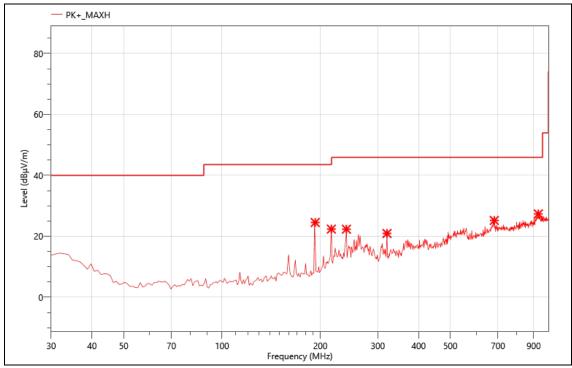
## TEST RESULTS

# 8.1. RADIATED BAND EDGE AND SPURIOUS EMISSION

#### • 30MHz to 1GHz

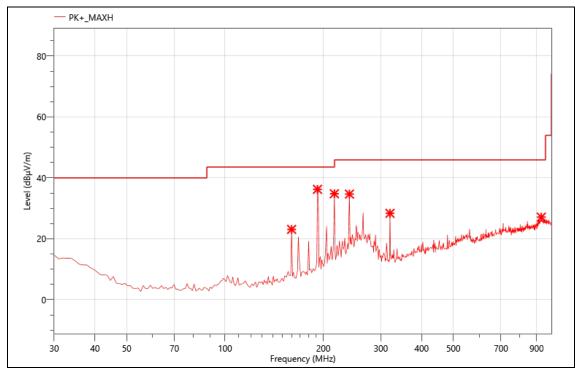
The worst result as bellow:

|        | оw.               |
|--------|-------------------|
| Mode:  | BLE 2402          |
| Power: | AC120/60Hz        |
| TE:    | Big               |
| Date   | 2024/01/24        |
| T/A/P  | 24.3°C/54%/101Kpa |



| No. | Freq.<br>(MHz) | Reading<br>(dBµV) | Corr.<br>(dB) | Meas.<br>(dBµV/m) | Limit<br>(dBµV/m) | Margin<br>(dB) | Det. | Pol. |
|-----|----------------|-------------------|---------------|-------------------|-------------------|----------------|------|------|
| 1   | 192.960        | 47.07             | -22.53        | 24.54             | 43.50             | 18.96          | PK+  | V    |
| 2   | 216.240        | 43.31             | -20.95        | 22.36             | 46.00             | 23.64          | PK+  | V    |
| 3   | 240.490        | 41.92             | -19.59        | 22.33             | 46.00             | 23.67          | PK+  | V    |
| 4   | 320.030        | 38.84             | -17.9         | 20.94             | 46.00             | 25.06          | PK+  | V    |
| 5   | 681.840        | 32.97             | -7.76         | 25.21             | 46.00             | 20.79          | PK+  | V    |
| 6   | 930.160        | 30.30             | -2.95         | 27.35             | 46.00             | 18.65          | PK+  | V    |

| Mode:  | BLE 2402          |
|--------|-------------------|
| Power: | AC120/60Hz        |
| TE:    | Big               |
| Date   | 2024/01/24        |
| T/A/P  | 24.3°C/54%/101Kpa |

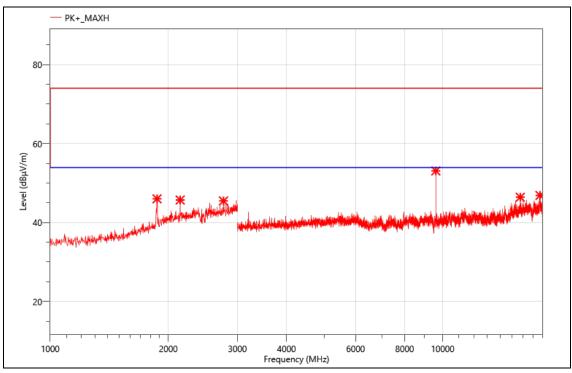


| No. | Freq.<br>(MHz) | Reading<br>(dBµV) | Corr.<br>(dB) | Meas.<br>(dBµV/m) | Limit<br>(dBµV/m) | Margin<br>(dB) | Det. | Pol. |
|-----|----------------|-------------------|---------------|-------------------|-------------------|----------------|------|------|
| 1   | 159.980        | 44.91             | -21.82        | 23.09             | 43.50             | 20.41          | PK+  | Н    |
| 2   | 191.990        | 58.81             | -22.57        | 36.24             | 43.50             | 7.26           | PK+  | Н    |
| 3   | 216.240        | 55.74             | -20.95        | 34.79             | 46.00             | 11.21          | PK+  | Н    |
| 4   | 240.490        | 54.26             | -19.59        | 34.67             | 46.00             | 11.33          | PK+  | Н    |
| 5   | 320.030        | 46.27             | -17.9         | 28.37             | 46.00             | 17.63          | PK+  | Н    |
| 6   | 930.160        | 30.07             | -2.95         | 27.12             | 46.00             | 18.88          | PK+  | Н    |

### • Above 1GHz

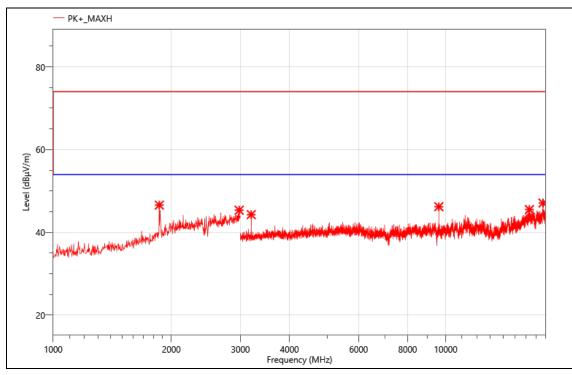
The worst result as bellow:

| norocroodit do boli |                  |
|---------------------|------------------|
| Mode:               | BLE 2402         |
| Power:              | AC120/60Hz       |
| TE:                 | Big              |
| Date                | 2024/01/24       |
| T/A/P               | 24.3℃/54%/101Kpa |



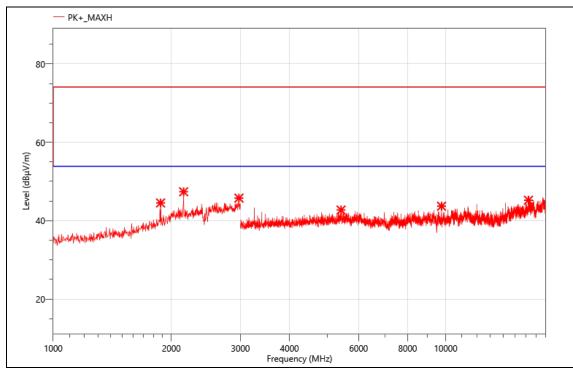
| No. | Freq.<br>(MHz) | Reading<br>(dBµV) | Corr.<br>(dB) | Meas.<br>(dBµV/m) | Limit<br>(dBµV/m) | Margin<br>(dB) | Det. | Pol. |
|-----|----------------|-------------------|---------------|-------------------|-------------------|----------------|------|------|
| 1   | 1872.000       | 56.36             | -10.36        | 46.00             | 74.00             | 28.00          | PK+  | Н    |
| 2   | 2144.000       | 54.75             | -9.05         | 45.70             | 74.00             | 28.30          | PK+  | Н    |
| 3   | 2764.000       | 53.58             | -8.12         | 45.46             | 74.00             | 28.54          | PK+  | Н    |
| 4   | 9607.500       | 60.13             | -7.06         | 53.07             | 74.00             | 20.93          | PK+  | Н    |
| 5   | 15762.000      | 48.68             | -2.28         | 46.40             | 74.00             | 27.60          | PK+  | Н    |
| 6   | 17694.000      | 46.65             | 0.21          | 46.86             | 74.00             | 27.14          | PK+  | Н    |

| Mode:  | BLE 2402          |
|--------|-------------------|
| Power: | AC120/60Hz        |
| TE:    | Big               |
| Date   | 2024/01/24        |
| T/A/P  | 24.3°C/54%/101Kpa |



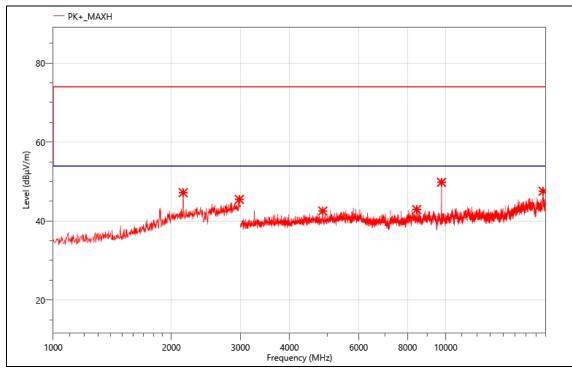
| No. | Freq.<br>(MHz) | Reading<br>(dBµV) | Corr.<br>(dB) | Meas.<br>(dBµV/m) | Limit<br>(dBµV/m) | Margin<br>(dB) | Det. | Pol. |
|-----|----------------|-------------------|---------------|-------------------|-------------------|----------------|------|------|
| 1   | 1864.000       | 56.99             | -10.4         | 46.59             | 74.00             | 27.41          | PK+  | V    |
| 2   | 2978.000       | 52.38             | -7.02         | 45.36             | 74.00             | 28.64          | PK+  | V    |
| 3   | 3196.500       | 59.09             | -14.8         | 44.29             | 74.00             | 29.71          | PK+  | V    |
| 4   | 9607.500       | 53.26             | -7.06         | 46.20             | 74.00             | 27.80          | PK+  | V    |
| 5   | 16342.500      | 47.29             | -1.77         | 45.52             | 74.00             | 28.48          | PK+  | V    |
| 6   | 17701.500      | 46.95             | 0.14          | 47.09             | 74.00             | 26.91          | PK+  | V    |

| Mode:  | BLE 2440          |
|--------|-------------------|
| Power: | AC120/60Hz        |
| TE:    | Big               |
| Date   | 2024/01/24        |
| T/A/P  | 24.3°C/54%/101Kpa |



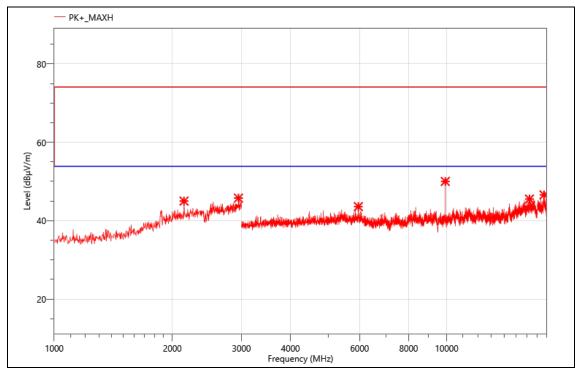
| No. | Freq.<br>(MHz) | Reading<br>(dBµV) | Corr.<br>(dB) | Meas.<br>(dBµV/m) | Limit<br>(dBµV/m) | Margin<br>(dB) | Det. | Pol. |
|-----|----------------|-------------------|---------------|-------------------|-------------------|----------------|------|------|
| 1   | 1878.000       | 54.85             | -10.33        | 44.52             | 74.00             | 29.48          | PK+  | V    |
| 2   | 2150.000       | 56.43             | -9.05         | 47.38             | 74.00             | 26.62          | PK+  | V    |
| 3   | 2974.000       | 52.84             | -7.09         | 45.75             | 74.00             | 28.25          | PK+  | V    |
| 4   | 5413.500       | 52.39             | -9.67         | 42.72             | 74.00             | 31.28          | PK+  | V    |
| 5   | 9760.500       | 50.60             | -6.91         | 43.69             | 74.00             | 30.31          | PK+  | V    |
| 6   | 16252.500      | 45.85             | -0.64         | 45.21             | 74.00             | 28.79          | PK+  | V    |

| Mode:  | BLE 2440          |
|--------|-------------------|
| Power: | AC120/60Hz        |
| TE:    | Big               |
| Date   | 2024/01/24        |
| T/A/P  | 24.3°C/54%/101Kpa |



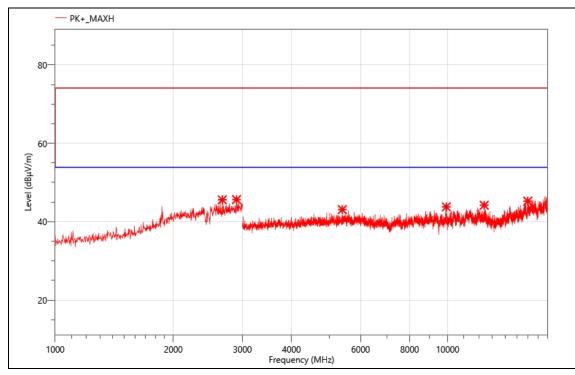
| No. | Freq.<br>(MHz) | Reading<br>(dBµV) | Corr.<br>(dB) | Meas.<br>(dBµV/m) | Limit<br>(dBµV/m) | Margin<br>(dB) | Det. | Pol. |
|-----|----------------|-------------------|---------------|-------------------|-------------------|----------------|------|------|
| 1   | 2144.000       | 56.24             | -9.05         | 47.19             | 74.00             | 26.81          | PK+  | Н    |
| 2   | 2980.000       | 52.47             | -6.99         | 45.48             | 74.00             | 28.52          | PK+  | Н    |
| 3   | 4863.000       | 53.71             | -11.18        | 42.53             | 74.00             | 31.47          | PK+  | Н    |
| 4   | 8439.000       | 50.96             | -8.04         | 42.92             | 74.00             | 31.08          | PK+  | Н    |
| 5   | 9760.500       | 56.72             | -6.91         | 49.81             | 74.00             | 24.19          | PK+  | Н    |
| 6   | 17709.000      | 47.56             | -0.02         | 47.54             | 74.00             | 26.46          | PK+  | Н    |

| Mode:  | BLE 2480          |
|--------|-------------------|
| Power: | AC120/60Hz        |
| TE:    | Big               |
| Date   | 2024/01/24        |
| T/A/P  | 24.3°C/54%/101Kpa |



| No. | Freq.<br>(MHz) | Reading<br>(dBµV) | Corr.<br>(dB) | Meas.<br>(dBµV/m) | Limit<br>(dBµV/m) | Margin<br>(dB) | Det. | Pol. |
|-----|----------------|-------------------|---------------|-------------------|-------------------|----------------|------|------|
| 1   | 2142.000       | 54.05             | -9.05         | 45.00             | 74.00             | 29.00          | PK+  | Н    |
| 2   | 2948.000       | 53.20             | -7.44         | 45.76             | 74.00             | 28.24          | PK+  | Н    |
| 3   | 5956.500       | 52.17             | -8.59         | 43.58             | 74.00             | 30.42          | PK+  | Н    |
| 4   | 9919.500       | 56.37             | -6.35         | 50.02             | 74.00             | 23.98          | PK+  | Н    |
| 5   | 16251.000      | 46.11             | -0.6          | 45.51             | 74.00             | 28.49          | PK+  | Н    |
| 6   | 17701.500      | 46.44             | 0.14          | 46.58             | 74.00             | 27.42          | PK+  | Н    |

| Mode:  | BLE 2480          |
|--------|-------------------|
| Power: | AC120/60Hz        |
| TE:    | Big               |
| Date   | 2024/01/24        |
| T/A/P  | 24.3°C/54%/101Kpa |



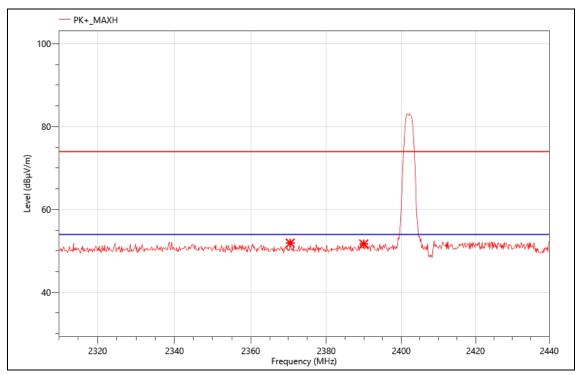
| No. | Freq.<br>(MHz) | Reading<br>(dBµV) | Corr.<br>(dB) | Meas.<br>(dBµV/m) | Limit<br>(dBµV/m) | Margin<br>(dB) | Det. | Pol. |
|-----|----------------|-------------------|---------------|-------------------|-------------------|----------------|------|------|
| 1   | 2666.000       | 54.16             | -8.59         | 45.57             | 74.00             | 28.43          | PK+  | V    |
| 2   | 2898.000       | 53.54             | -7.91         | 45.63             | 74.00             | 28.37          | PK+  | V    |
| 3   | 5389.500       | 52.28             | -9.2          | 43.08             | 74.00             | 30.92          | PK+  | V    |
| 4   | 9919.500       | 50.13             | -6.35         | 43.78             | 74.00             | 30.22          | PK+  | V    |
| 5   | 12391.500      | 48.81             | -4.62         | 44.19             | 74.00             | 29.81          | PK+  | V    |
| 6   | 15996.000      | 47.33             | -2.1          | 45.23             | 74.00             | 28.77          | PK+  | V    |

Note: 1. All the modes had been tested, but only the worst data was recorded in the report. 2.For the radiation test from 18 GHz to 26 GHz, a pre-scan was performed, and the result was 20 dB lower than the limit line, the test data was not shown in the report.

## Band Edge

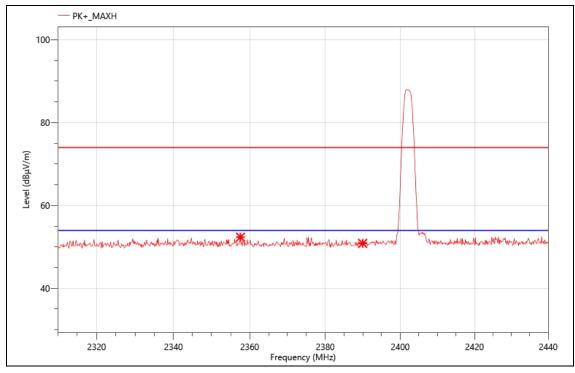
The worst result as bellow:

| norot robalt do be |                   |  |  |  |  |
|--------------------|-------------------|--|--|--|--|
| Mode:              | BLE 2402          |  |  |  |  |
| Power:             | AC120/60Hz        |  |  |  |  |
| TE:                | Big               |  |  |  |  |
| Date               | 2024/01/24        |  |  |  |  |
| T/A/P              | 24.3°C/54%/101Kpa |  |  |  |  |



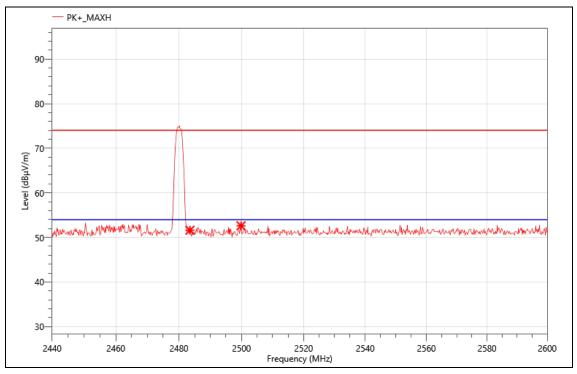
| No. | Freq.<br>(MHz) | Reading<br>(dBµV) | Corr.<br>(dB) | Meas.<br>(dBµV/m) | Limit<br>(dBµV/m) | Margin<br>(dB) | Det. | Pol. |
|-----|----------------|-------------------|---------------|-------------------|-------------------|----------------|------|------|
| 1   | 2370.450       | 19.53             | 32.37         | 51.90             | 74.00             | 22.10          | PK+  | V    |
| 2   | 2390.000       | 19.21             | 32.46         | 51.67             | 74.00             | 22.33          | PK+  | V    |

| Mode:  | BLE 2402          |
|--------|-------------------|
| Power: | AC120/60Hz        |
| TE:    | Big               |
| Date   | 2024/01/24        |
| T/A/P  | 24.3°C/54%/101Kpa |



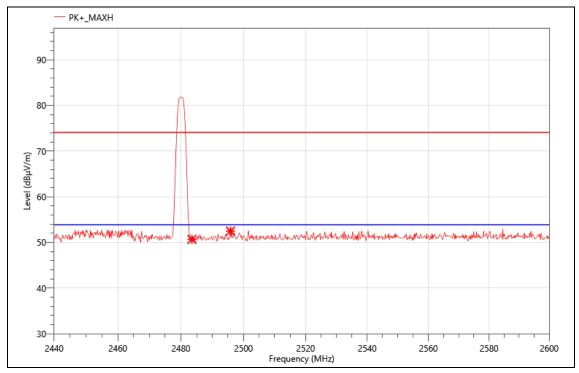
| No. | Freq.<br>(MHz) | Reading<br>(dBµV) | Corr.<br>(dB) | Meas.<br>(dBµV/m) | Limit<br>(dBµV/m) | Margin<br>(dB) | Det. | Pol. |
|-----|----------------|-------------------|---------------|-------------------|-------------------|----------------|------|------|
| 1   | 2357.580       | 19.87             | 32.49         | 52.36             | 74.00             | 21.64          | PK+  | Н    |
| 2   | 2389.950       | 18.40             | 32.46         | 50.86             | 74.00             | 23.14          | PK+  | Н    |

| Mode:  | BLE 2480          |
|--------|-------------------|
| Power: | AC120/60Hz        |
| TE:    | Big               |
| Date   | 2024/01/24        |
| T/A/P  | 24.3°C/54%/101Kpa |



| No. | Freq.<br>(MHz) | Reading<br>(dBµV) | Corr.<br>(dB) | Meas.<br>(dBµV/m) | Limit<br>(dBµV/m) | Margin<br>(dB) | Det. | Pol. |
|-----|----------------|-------------------|---------------|-------------------|-------------------|----------------|------|------|
| 1   | 2483.500       | 25.91             | 25.71         | 51.62             | 74.00             | 22.38          | PK+  | V    |
| 2   | 2499.840       | 26.84             | 25.77         | 52.61             | 74.00             | 21.39          | PK+  | V    |

| Mode:  | BLE 2480          |
|--------|-------------------|
| Power: | AC120/60Hz        |
| TE:    | Big               |
| Date   | 2024/01/24        |
| T/A/P  | 24.3°C/54%/101Kpa |



## Critical\_Freqs

| No. | Freq.<br>(MHz) | Reading<br>(dBµV) | Corr.<br>(dB) | Meas.<br>(dBµV/m) | Limit<br>(dBµV/m) | Margin<br>(dB) | Det. | Pol. |
|-----|----------------|-------------------|---------------|-------------------|-------------------|----------------|------|------|
| 1   | 2483.500       | 24.96             | 25.71         | 50.67             | 74.00             | 23.33          | PK+  | Н    |
| 2   | 2495.840       | 26.73             | 25.75         | 52.48             | 74.00             | 21.52          | PK+  | Н    |

Note:

1. Measurement = Reading Level + Correct Factor.

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Peak: Peak detector.

4. Only the worst data was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

## 9. ANTENNA REQUIREMENT

## REQUIREMENT

## Please refer to FCC §15.203

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

## Please refer to FCC §15.247(b)(4),RSS-GEN Clause 6.8

The conducted output power limit specified in paragraph (b) of this section is based on the use of antennas with directional gains that do not exceed 6 dBi. Except as shown in paragraph (c) of this section, if transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power from the intentional radiator shall be reduced below the stated values in paragraphs (b)(1), (b)(2), and (b)(3) of this section, as appropriate, by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

#### DESCRIPTION

Compliance

## **10. AC POWER LINE CONDUCTED EMISSION**

## LIMITS

Please refer to CFR 47 FCC §15.207 (a) and ISED RSS-Gen Clause 8.8

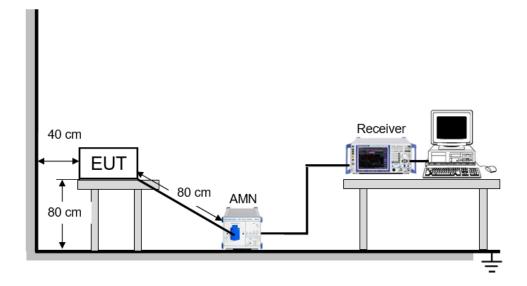
| FREQUENCY (MHz) | Quasi-peak | Average   |
|-----------------|------------|-----------|
| 0.15 -0.5       | 66 - 56 *  | 56 - 46 * |
| 0.50 -5.0       | 56.00      | 46.00     |
| 5.0 -30.0       | 60.00      | 50.00     |

## TEST PROCEDURE

The EUT is put on a table of non-conducting material that is 80 cm high. The vertical conducting wall of shielding is located 40 cm to the rear of the EUT. The power line of the EUT is connected to the AC mains through a Artificial Mains Network (A.M.N.). A EMI Measurement Receiver (R&S Test Receiver ESR3) is used to test the emissions from both sides of AC line. According to the requirements in Section 6.2 of ANSI C63.10-2013.Conducted emissions from the EUT measured in the frequency range between 0.15 MHz and 30 MHz using CISPR Quasi-Peak and average detector mode. The bandwidth of EMI test receiver is set at 9 kHz.

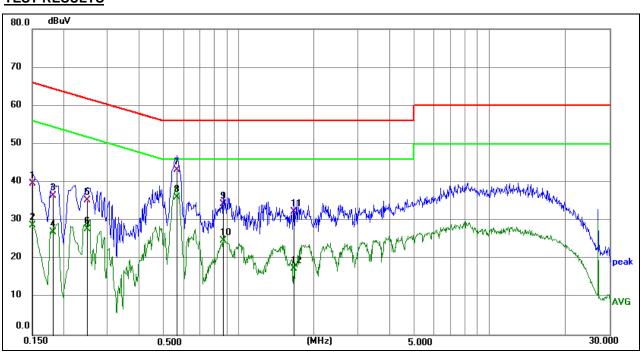
The arrangement of the equipment is installed to meet the standards and operating in a manner, which tends to maximize its emission characteristics in a normal application.

## TEST SETUP



#### **TEST ENVIRONMENT**

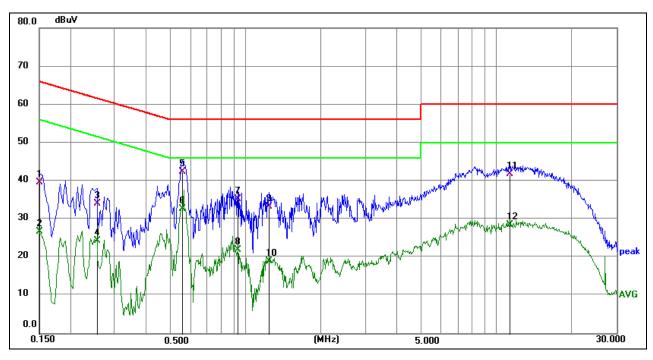
| Temperature         | <b>24.3</b> ℃ | Relative Humidity | 52% |
|---------------------|---------------|-------------------|-----|
| Atmosphere Pressure | 101kPa        |                   |     |



#### TEST RESULTS

| Phase: N | Mode: BLE 2402MHz |
|----------|-------------------|
|          |                   |

| No. | Frequency | Reading | Correct | Result | Limit  | Margin | Remark |
|-----|-----------|---------|---------|--------|--------|--------|--------|
|     | (MHz)     | (dBuV)  | (dB)    | (dBuV) | (dBuV) | (dB)   |        |
| 1   | 0.1500    | 29.52   | 10.00   | 39.52  | 66.00  | -26.48 | QP     |
| 2   | 0.1500    | 18.65   | 10.00   | 28.65  | 56.00  | -27.35 | AVG    |
| 3   | 0.1814    | 26.58   | 9.94    | 36.52  | 64.42  | -27.90 | QP     |
| 4   | 0.1814    | 16.98   | 9.94    | 26.92  | 54.42  | -27.50 | AVG    |
| 5   | 0.2490    | 25.24   | 9.91    | 35.15  | 61.79  | -26.64 | QP     |
| 6   | 0.2490    | 17.85   | 9.91    | 27.76  | 51.79  | -24.03 | AVG    |
| 7   | 0.5685    | 33.27   | 9.99    | 43.26  | 56.00  | -12.74 | QP     |
| 8   | 0.5685    | 26.05   | 9.99    | 36.04  | 46.00  | -9.96  | AVG    |
| 9   | 0.8700    | 24.22   | 10.04   | 34.26  | 56.00  | -21.74 | QP     |
| 10  | 0.8700    | 14.68   | 10.04   | 24.72  | 46.00  | -21.28 | AVG    |
| 11  | 1.6620    | 21.99   | 10.17   | 32.16  | 56.00  | -23.84 | QP     |
| 12  | 1.6620    | 7.15    | 10.17   | 17.32  | 46.00  | -28.68 | AVG    |



| Phase: L1 | Mode: BLE 2402MHz |
|-----------|-------------------|
| Phase: L1 | Mode: BLE 2402MHz |

| No. | Frequency | Reading | Correct | Result | Limit  | Margin | Remark |
|-----|-----------|---------|---------|--------|--------|--------|--------|
|     | (MHz)     | (dBuV)  | (dB)    | (dBuV) | (dBuV) | (dB)   |        |
| 1   | 0.1500    | 29.62   | 9.90    | 39.52  | 66.00  | -26.48 | QP     |
| 2   | 0.1500    | 16.80   | 9.90    | 26.70  | 56.00  | -29.30 | AVG    |
| 3   | 0.2535    | 24.32   | 9.80    | 34.12  | 61.64  | -27.52 | QP     |
| 4   | 0.2535    | 14.61   | 9.80    | 24.41  | 51.64  | -27.23 | AVG    |
| 5   | 0.5594    | 32.42   | 9.94    | 42.36  | 56.00  | -13.64 | QP     |
| 6   | 0.5594    | 22.62   | 9.94    | 32.56  | 46.00  | -13.44 | AVG    |
| 7   | 0.9284    | 25.21   | 10.05   | 35.26  | 56.00  | -20.74 | QP     |
| 8   | 0.9284    | 11.91   | 10.05   | 21.96  | 46.00  | -24.04 | AVG    |
| 9   | 1.2390    | 23.17   | 10.08   | 33.25  | 56.00  | -22.75 | QP     |
| 10  | 1.2390    | 8.93    | 10.08   | 19.01  | 46.00  | -26.99 | AVG    |
| 11  | 11.2964   | 30.69   | 11.00   | 41.69  | 60.00  | -18.31 | QP     |
| 12  | 11.2964   | 17.55   | 11.00   | 28.55  | 50.00  | -21.45 | AVG    |

Note: 1. Result = Reading + Correct Factor.

2. If QP Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 200 Hz (9 kHz ~ 150 kHz), 9 kHz (150 kHz ~ 30 MHz).

4. Step size: 80 Hz (0.009 MHz ~ 0.15 MHz), 4 kHz (0.15 MHz ~ 30 MHz), Scan time: auto.

Note: All the modes have been tested, only the worst data was recorded in the report.

# 11. TEST DATA - Appendix A

# **Duty Cycle**

| Condition | Mode      | Frequency<br>(MHz) | Antenna | On Time<br>(ms) | Period<br>(ms) | Duty<br>Cycle (%) | Correction<br>Factor (dB) | 1/T<br>(kHz) | Final settingFor<br>VBW (kHz) |
|-----------|-----------|--------------------|---------|-----------------|----------------|-------------------|---------------------------|--------------|-------------------------------|
| NVNT      | BLE<br>1M | 2402               | Ant1    | 0               | 0              | 100               | 0                         | 0            | 1                             |
| NVNT      | BLE<br>1M | 2440               | Ant1    | 0               | 0              | 100               | 0                         | 0            | 1                             |
| NVNT      | BLE<br>1M | 2480               | Ant1    | 0               | 0              | 100               | 0                         | 0            | 1                             |
| NVNT      | BLE<br>2M | 2402               | Ant1    | 0               | 0              | 100               | 0                         | 0            | 1                             |
| NVNT      | BLE<br>2M | 2440               | Ant1    | 0               | 0              | 100               | 0                         | 0            | 1                             |
| NVNT      | BLE<br>2M | 2480               | Ant1    | 0               | 0              | 100               | 0                         | 0            | 1                             |

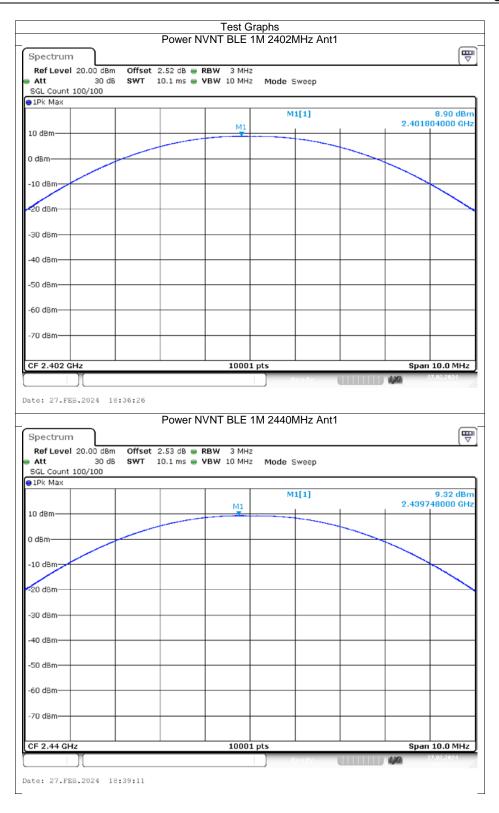
|   |                                      | D                             | utv Cvcle  | 9 NVNT BL                           | E 11VI 240      | )2MHz A          | nt1     |             |  |
|---|--------------------------------------|-------------------------------|--|-------------------------------------|-----------------|------------------|---------|-------------|--|
| Spectrum  |                                      |                               |  |                                     |                 |                  |         |             | ₽  |
| Ref Level   |                                      |                               |  | RBW 1 MHz                           |                 |                  |         |             | ( -  |
| SGL   | 30 dB                                | I SWT                         | 5 ms 👄   | VBW 3 MHz                           |                 |                  |         |             |  |
| ●1Pk Clrw   |                                      |                               |  |                                     |                 |                  |         |             |  |
|   |                                      |                               |  |                                     | М               | 1[1]             |         |             | 8.28 dBm   |
| 10 dBm  |                                      |                               |  |                                     |                 | 1                | M1      | 3.          | 848000 ms  |
|   |                                      |                               |  |                                     |                 |                  |         |             |  |
| 0 dBm   |                                      |                               |  |                                     |                 |                  |         |             |  |
| -10 dBm   |                                      |                               |  |                                     |                 |                  |         |             |  |
| -20 dBm   |                                      |                               |  |                                     |                 |                  |         |             |  |
|   |                                      |                               |  |                                     |                 |                  |         |             |  |
| -30 dBm   |                                      |                               |  |                                     |                 |                  |         |             |  |
| -40 dBm   |                                      |                               |  |                                     |                 |                  |         |             |  |
| -50 dBm   |                                      |                               |  |                                     |                 |                  |         |             |  |
|   |                                      |                               |  |                                     |                 |                  |         |             |  |
| -60 dBm   |                                      |                               |  |                                     |                 |                  |         |             |  |
| -70 dBm   |                                      |                               |  |                                     |                 |                  |         |             |  |
|   |                                      |                               |  |                                     |                 |                  |         |             |  |
| CF 2.402 G  | Hz                                   |                               |  | 1000                                | 1 pts           |                  | · · · · |             | 500.0 µs/  |
| Marker<br>Type   Ref  | Trol                                 | X-value                       |  | Y-value                             | Fund            | tion             | Eupo    | tion Result |  |
|   |                                      |                               |  |                                     |                 |                  | Func    | cion Result |  |
| M1  | 1                                    |                               | 848 ms   | 8.28 dB                             |                 |                  |         |             |  |
|   |                                      |                               |  | 8.28 dB                             |                 | Ready            |         | 4/4         | 27.02.2024   |
|   |                                      | 3.1                           |  | 8.28 dB                             |                 | Ready            |         | 490         | 27.02.2024   |
| M1  | 1<br>)[                              | 3.1                           | 848 ms   | 8.28 dB                             | m               | toody<br>40MHz A | nt1     | 440         | 27.02.2024   |
| M1<br>ate: 27.FEE<br>Spectrum   | 1<br>3.2024 18                       | 3.1<br>8:37:06<br>D           | uty Cycle  | 9 NVNT BL                           | m<br>E 1M 244   | 40MHz A          | nt1     | 40          | 07.02.2024<br>₩<br>\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\ |
| M1<br>ate: 27.FEE<br>Spectrum<br><b>Ref Level</b>   | 1<br>3.2024 18<br>20.00 dBm          | 3.1<br>3:37:06<br>D<br>Offset | 848 ms<br>uty Cycle<br>2.53 dB   | NVNT BL                             | E 1M 244        | 40MHz A          | nt1     | 4,258       | 27.02.2024   |
| M1<br>ate: 27.FEE<br>Spectrum   | 1<br>3.2024 18<br>20.00 dBm          | 3.1<br>8:37:06<br>D           | 848 ms<br>uty Cycle<br>2.53 dB   | 9 NVNT BL                           | E 1M 244        | 40MHz A          | nt1     | 494         | 27.02.2024   |
| M1<br>ate: 27.FEE<br>Spectrum<br>Ref Level<br>Att   | 1<br>3.2024 18<br>20.00 dBm          | 3.1<br>3:37:06<br>D<br>Offset | 848 ms<br>uty Cycle<br>2.53 dB   | NVNT BL                             | E 1M 244        |                  | nt1     | 4/4         |  |
| M1<br>ate: 27.FEE<br>Spectrum<br>Ref Level<br>Att<br>SGL<br>1Pk Clrw  | 1<br>3.2024 18<br>20.00 dBm          | 3.1<br>3:37:06<br>D<br>Offset | 848 ms<br>uty Cycle<br>2.53 dB   | NVNT BL                             | E 1M 244        | 40MHz A          | nt1     | M1 4.       | 9.12 dBm<br>329000 ms                                  |
| M1<br>ate: 27.FEE<br>Spectrum<br>Ref Level<br>Att<br>SGL  | 1<br>3.2024 18<br>20.00 dBm          | 3.1<br>3:37:06<br>D<br>Offset | 848 ms<br>uty Cycle<br>2.53 dB   | NVNT BL                             | E 1M 244        |                  | nt1     | M1 4.       | 9.12 dBm   |
| M1<br>ate: 27.FEE<br>Spectrum<br>Ref Level<br>Att<br>SGL<br>1Pk Clrw  | 1<br>3.2024 18<br>20.00 dBm          | 3.1<br>3:37:06<br>D<br>Offset | 848 ms<br>uty Cycle<br>2.53 dB   | NVNT BL                             | E 1M 244        |                  | nt1     | M1 4.       | 9.12 dBm   |
| M1<br>ate: 27.FEE<br>Spectrum<br>Ref Level<br>Att<br>SGL<br>10 dBm<br>0 dBm   | 1<br>3.2024 18<br>20.00 dBm          | 3.1<br>3:37:06<br>D<br>Offset | 848 ms<br>uty Cycle<br>2.53 dB   | NVNT BL                             | E 1M 244        |                  | nt1     | M1 4.       | 9.12 dBm   |
| M1<br>ate: 27.FEE<br>Spectrum<br>Ref Level<br>Att<br>SGL<br>1Pk Clrw<br>10 dBm  | 1<br>3.2024 18<br>20.00 dBm          | 3.1<br>3:37:06<br>D<br>Offset | 848 ms<br>uty Cycle<br>2.53 dB   | NVNT BL                             | E 1M 244        |                  | nt1     | M1 4.       | 9.12 dBm   |
| M1<br>ate: 27.FEE<br>Spectrum<br>Ref Level<br>Att<br>SGL<br>10 dBm<br>0 dBm   | 1<br>3.2024 18<br>20.00 dBm          | 3.1<br>3:37:06<br>D<br>Offset | 848 ms<br>uty Cycle<br>2.53 dB   | NVNT BL                             | E 1M 244        |                  | nt1     | M1 4.       | 9.12 dBm   |
| M1<br>ate: 27.FEE<br>Spectrum<br>Ref Level<br>Att<br>SGL<br>10.dBm<br>-10 dBm   | 1<br>3.2024 18<br>20.00 dBm          | 3.1<br>3:37:06<br>D<br>Offset | 848 ms<br>uty Cycle<br>2.53 dB   | NVNT BL                             | E 1M 244        |                  | nt1     | M1 4.       | 9.12 dBm   |
| M1<br>ate: 27.FEE<br>Spectrum<br>Ref Level<br>Att<br>SGL<br>10 dBm<br>-10 dBm<br>-20 dBm<br>-30 dBm   | 1<br>3.2024 18<br>20.00 dBm          | 3.1<br>3:37:06<br>D<br>Offset | 848 ms<br>uty Cycle<br>2.53 dB   | NVNT BL                             | E 1M 244        |                  | nt1     | M1 4.       | 9.12 dBm   |
| M1<br>ate: 27.FEE<br>Spectrum<br>Ref Level<br>Att<br>SGL<br>10.dBm<br>-10.dBm<br>-20.dBm  | 1<br>3.2024 18<br>20.00 dBm          | 3.1<br>3:37:06<br>D<br>Offset | 848 ms<br>uty Cycle<br>2.53 dB   | NVNT BL                             | E 1M 244        |                  | nt1     | M1 4.       | 9.12 dBm   |
| M1<br>ate: 27.FEE<br>Spectrum<br>Ref Level<br>Att<br>SGL<br>10 dBm<br>-10 dBm<br>-20 dBm<br>-30 dBm   | 1<br>3.2024 18<br>20.00 dBm          | 3.1<br>3:37:06<br>D<br>Offset | 848 ms<br>uty Cycle<br>2.53 dB   | NVNT BL                             | E 1M 244        |                  | nt1     | M1 4.       | 9.12 dBm   |
| M1<br>ate: 27.FEE<br>Spectrum<br>Ref Level<br>Att<br>SGL<br>10 dBm<br>-10 dBm<br>-20 dBm<br>-20 dBm<br>-30 dBm<br>-40 dBm                                   | 1<br>3.2024 18<br>20.00 dBm          | 3.1<br>3:37:06<br>D<br>Offset | 848 ms<br>uty Cycle<br>2.53 dB   | NVNT BL                             | E 1M 244        |                  | nt1     | M1 4.       | 9.12 dBm   |
| M1<br>ate: 27.FEE<br>Spectrum<br>Ref Level<br>Att<br>SGL<br>1Pk Clrw<br>10.dBm<br>-10 dBm<br>-20 dBm<br>-30 dBm<br>-50 dBm<br>-50 dBm                       | 1<br>3.2024 18<br>20.00 dBm          | 3.1<br>3:37:06<br>D<br>Offset | 848 ms<br>uty Cycle<br>2.53 dB   | NVNT BL                             | E 1M 244        |                  | nt1     | M1 4.       | 9.12 dBm   |
| M1<br>ate: 27.FEE<br>Spectrum<br>Ref Level<br>Att<br>SGL<br>10 dBm<br>-10 dBm<br>-20 dBm<br>-20 dBm<br>-30 dBm<br>-40 dBm                                   | 1<br>3.2024 18<br>20.00 dBm          | 3.1<br>3:37:06<br>D<br>Offset | 848 ms<br>uty Cycle<br>2.53 dB   | NVNT BL                             | E 1M 244        |                  | nt1     | M1 4.       | 9.12 dBm   |
| M1<br>ate: 27.FEE<br>Spectrum<br>Ref Level<br>Att<br>SGL<br>1Pk Clrw<br>10.dBm<br>-10 dBm<br>-20 dBm<br>-20 dBm<br>-40 dBm<br>-50 dBm<br>-50 dBm<br>-70 dBm | 1<br>3.2024 18<br>20.00 dBm<br>30 dB | 3.1<br>3:37:06<br>D<br>Offset | 848 ms<br>uty Cycle<br>2.53 dB   | NVNT BL     RBW 1 MH2     VBW 3 MH2 | m E 1M 244      |                  | nt1     |             | 9.12 dBm<br>329000 ms                                  |
| M1 ate: 27.FEE Spectrum Ref Level Att SGL 10.dBm -10.dBm -20.dBm -20.dBm -40.dBm -50.dBm -70.dBm -70.dBm CF 2.44 GH:  | 1<br>3.2024 18<br>20.00 dBm<br>30 dB | 3.1<br>3:37:06<br>D<br>Offset | 848 ms<br>uty Cycle<br>2.53 dB   | NVNT BL                             | m E 1M 244      |                  | nt1     |             | 9.12 dBm   |
| M1<br>ate: 27.FEE<br>Spectrum<br>Ref Level<br>Att<br>SGL<br>1Pk Clrw<br>10.dBm<br>-10 dBm<br>-20 dBm<br>-20 dBm<br>-40 dBm<br>-50 dBm<br>-50 dBm<br>-70 dBm | 20.00 dBm<br>30 dB                   | 3.1<br>D<br>Offset<br>• SWT   | 2.53 dB 2.55 d | NVNT BL     RBW 1 MH2     VBW 3 MH2 | m  <br>E 1M 244 |                  |         |             | 9.12 dBm<br>329000 ms                                  |
| M1 ate: 27.FEE Spectrum Ref Level Att SGL 10 dBm -10 dBm -20 dBm -20 dBm -30 dBm -40 dBm -70 dBm -70 dBm -70 dBm -70 dBm -70 dBm -70 dBm                    | 20.00 dBm<br>30 dB                   | 3.1<br>D<br>Offset<br>• SWT   | 2.53 dB  2.54 dB  2.5 | NVNT BL     RBW 1 MH2     VBW 3 MH2 | m  <br>E 1M 244 |                  |         |             | 9.12 dBm<br>329000 ms                                  |

| 10 dBm   | 9.12 dBi<br>1 4.250500 m |
|--|--------------------------|
| Att         30 dB         SWT         5 ms         VBW 3 MHz           SGL         1Pk Clrw         M1[1]         M2           10 dBm         0 dBm         0 dBm         0 dBm         0 dBm           -10 dBm         0 dBm         0 dBm         0 dBm         0 dBm           -20 dBm         0 dBm         0 dBm         0 dBm         0 dBm         0 dBm           -30 dBm         0 dBm  |                          |
| SGL<br>1Pk Clrw<br>M1[1]<br>0 dBm<br>-10 dBm<br>-20 dBm<br>-30 dBm<br>-30 dBm<br>-30 dBm<br>-30 dBm<br>-30 dBm<br>-40 dBm<br>-50 dBm   |                          |
| M1[1] M1<br>101 dBm<br>-0 dBm<br>-10 dBm<br>-20 dBm<br>-30 dBm<br>-40 dBm<br>-50 dBm   |                          |
| 10 dBm M1<br>0 dBm 0 dBm   |                          |
| 0 dBm  |                          |
| -10 d8m  |                          |
| -20 d8m  |                          |
| -20 d8m  |                          |
| -30 d8m  |                          |
| -40 dBm  |                          |
| -50 d8m  |                          |
| -50 d8m  |                          |
|  |                          |
|  |                          |
| -60 d8m  |                          |
| -70 dam  |                          |
| -70 d8m  |                          |
| CF 2.48 GHz 10001 pts  | 500.0 µs/                |
| Marker   |                          |
| Type         Ref         Trc         X-value         Y-value         Function         Function R           M1         1         4.2505 ms         9.12 dBm <t< td=""><td>esult</td></t<>   | esult                    |
| Ready  | 27.02.2024               |
| RefLevel 20.00 dBm Offset 2.52 dB  |                          |
| SGL<br>1Pk Clrw  |                          |
| M1[1]  | 8.35 dB                  |
| 10 dBm   | 4.082500 m               |
|  | no- and dollarshilding   |
|  |                          |
| -10 dBm  |                          |
| -20 d8m-   |                          |
|  |                          |
| 20 d9m   |                          |
| -30 d8m  |                          |
| -30 dBm  |                          |
|  |                          |
| -40 dBm  |                          |
| -40 dBm  |                          |
| -40 d8m  |                          |
| -40 d8m  | 502.0                    |
| -40 dBm<br>-50 dBm<br>-60 dBm<br>-70 dBm<br>CF 2.402 GHz 10001 pts   | 500.0 µs/                |
| -40 dBm<br>-50 dBm<br>-50 dBm<br>-60 dBm<br>-70 |                          |
| -40 dBm<br>-50 dBm<br>-60 dBm<br>-70 dBm<br>-70 dBm<br>CF 2.402 GHz<br>10001 pts<br>Marker   |                          |

|  |                   | _                   | L                          |                     | 9 NVNT BLE                                    | 2 2101 244        |                          |                        |  | Ē                                   |
|--|-------------------|---------------------|----------------------------|---------------------|---|-------------------|--------------------------|------------------------|--|-------------------------------------|
| Spect  |                   |                     |                            | o 50 do -           |   |                   |                          |                        |  | ۳)                                  |
| Ref Lo<br>Att  | evel              | 20.00 dBr<br>30 d   | m Offset<br>B = SWT        |                     | VBW 3 MHz                                     |                   |                          |                        |  |                                     |
| SGL  |                   |                     | 0                          | 0.00                | 1011 01112                                    |                   |                          |                        |  |                                     |
| 1Pk Cl   | rw                |                     |                            |                     |   |                   |                          |                        |  |                                     |
|  |                   |                     |                            |                     |   | M                 | 1[1]                     |                        |  | 8.72 dBr<br>附进62000 m               |
| 10 dBm   |                   |                     |                            |                     |   |                   |                          |                        |  | M.HO2000 III                        |
| D dBm—   |                   | distanti de la seco | and the state of the local |                     | to an interaction of the                      | de andre by AMUUU | أراه الرام الراريا المته | 100 Sh Jala ta ang Ali | ala ng kabupit attanya d   | na fa da da da barro en el          |
| J UBIII-   |                   |                     |                            |                     |   |                   |                          |                        |  |                                     |
| -10 dBm  | n-+-              |                     |                            |                     |   |                   |                          |                        |  | _                                   |
| -20 dBm  |                   |                     |                            |                     |   |                   |                          |                        |  |                                     |
| -20 dBm  |                   |                     |                            |                     |   |                   |                          |                        |  |                                     |
| -30 dBm  | n                 |                     |                            |                     | +   |                   |                          |                        | +  |                                     |
|  |                   |                     |                            |                     |   |                   |                          |                        |  |                                     |
| -40 dBm  |                   |                     |                            |                     |   |                   |                          |                        |  |                                     |
| -50 dBm  | n                 |                     |                            |                     |   |                   |                          |                        |  | _                                   |
|  |                   |                     |                            |                     |   |                   |                          |                        |  |                                     |
| -60 d8m  | n-+-              |                     |                            |                     |   |                   |                          |                        |  |                                     |
| -70 dBm  | n                 |                     |                            |                     |   |                   |                          |                        |  | _                                   |
|  |                   |                     |                            |                     |   |                   |                          |                        |  |                                     |
| CF 2.4   | 4 GHz             | 2                   |                            |                     | 10001   | pts               |                          |                        |  | 500.0 µs/                           |
| 1arker   |                   |                     |                            |                     |   |                   |                          |                        |  |                                     |
| Type<br>M1   | Ref               | Trc<br>1            | X-valu                     | e                   | Y-value<br>8.72 dBr                           | Funct             | tion                     | Fur                    | iction Res   | ult                                 |
|  |                   | 7                   |                            |                     | 0112 001                                      |                   |                          |                        | 1.147  | 27 02 2024                          |
| Spect  | rum               |                     |                            | Outy Cycle          | e NVNT BLE                                    | E 2M 248          | 0MHz A                   | .nt1                   |  | Ē                                   |
| Spect<br>Ref Lo  | rum               | 20.00 dB            | C                          | 2.55 dB 🖷           | RBW 1 MHz                                     | E 2M 248          | 0MHz A                   | .nt1                   |  | T<br>7                              |
| Spect<br>Ref Lo<br>Att<br>SGL  | rum<br>evel       | 20.00 dB            | m Offset                   | 2.55 dB 🖷           |   | E 2M 248          | omhz A                   | .nt1                   |  | E C                                 |
| Spect<br>Ref Lo<br>Att<br>SGL  | rum<br>evel       | 20.00 dB            | m Offset                   | 2.55 dB 🖷           | RBW 1 MHz                                     |                   |                          | .nt1                   |  |                                     |
| Spect<br>Ref Lo<br>Att<br>SGL<br>IPk Cl  | rum<br>evel<br>rw | 20.00 dB            | m Offset                   | 2.55 dB 🖷           | RBW 1 MHz                                     |                   | 0MHz A                   | .nt1                   |  | 8.80 dBr<br>1.026000 m              |
| Spect<br>RefLi<br>SGL<br>1Pk Cl  | rum<br>evel       | 20.00 dBa<br>30 d   | m Offset<br>B ⊕ SWT        | 2.55 dB =<br>5 ms = | RBW 1 MHz                                     | M                 | 1[1]                     |                        |  | 8.80 dBr<br>1.026000 m              |
| Specta<br>Ref Lo<br>Att<br>SGL<br>1Pk Cl   | rum<br>evel       | 20.00 dB            | m Offset<br>B ⊕ SWT        | 2.55 dB =<br>5 ms = | RBW 1 MHz                                     | M                 | 1[1]                     | .nt1                   |  | 8.80 dBi                            |
| Specto<br>Ref Lo<br>Att<br>SGL<br>1Pk Cl<br>10 dBm<br>0 dBm  | rum<br>evel       | 20.00 dBa<br>30 d   | m Offset<br>B ⊕ SWT        | 2.55 dB =<br>5 ms = | RBW 1 MHz                                     | M                 | 1[1]                     |                        | d second se | 8.80 dBi<br>1.026000 m              |
| Specto<br>Ref Lo<br>Att<br>SGL<br>1Pk Cl<br>10 dBm<br>0 dBm  | rum<br>evel       | 20.00 dBa<br>30 d   | m Offset<br>B ⊕ SWT        | 2.55 dB =<br>5 ms = | RBW 1 MHz                                     | M                 | 1[1]                     |                        |  | 8.80 dBi<br>1.026000 m              |
| Specto<br>Ref Lo<br>Att<br>SGL<br>1Pk Cl<br>10 dBm<br>0 dBm<br>-10 dBm   | rum<br>evel       | 20.00 dBa<br>30 d   | m Offset<br>B ⊕ SWT        | 2.55 dB =<br>5 ms = | RBW 1 MHz                                     | M                 | 1[1]                     |                        |  | 8.80 dBr<br>1.026000 m              |
| Specto<br>Ref Lo<br>SGL<br>1Pk Cl<br>10 dBm<br>-10 dBm<br>-20 dBm  | rum<br>evel       | 20.00 dBa<br>30 d   | m Offset<br>B ⊕ SWT        | 2.55 dB =<br>5 ms = | RBW 1 MHz                                     | M                 | 1[1]                     |                        |  | 8.80 dBi<br>1.026000 m              |
| Spect<br>Ref Lo<br>Att<br>SGL<br>1Pk Cl<br>10 dBm<br>-10 dBm<br>-20 dBm  | rum<br>evel       | 20.00 dBa<br>30 d   | m Offset<br>B ⊕ SWT        | 2.55 dB =<br>5 ms = | RBW 1 MHz                                     | M                 | 1[1]                     |                        |  | 8.80 dBr<br>1.026000 m              |
| Spects<br>RefLo<br>Att<br>SGL<br>1Pk Cl  | rum<br>evel       | 20.00 dBa<br>30 d   | m Offset<br>B ⊕ SWT        | 2.55 dB =<br>5 ms = | RBW 1 MHz                                     | M                 | 1[1]                     |                        |  | 8.80 dBr<br>1.026000 m              |
| Specto<br>Ref Lo<br>Att<br>SGL<br>10 dBm<br>-10 dBm<br>-20 dBm<br>-30 dBm  | rum<br>evel       | 20.00 dBa<br>30 d   | m Offset<br>B ⊕ SWT        | 2.55 dB =<br>5 ms = | RBW 1 MHz                                     | M                 | 1[1]                     |                        |  | 8.80 dBr<br>1.026000 m              |
| Specto<br>Ref Lo<br>Att<br>SGL<br>1Pk Cl<br>10 dBm-<br>-10 dBm-<br>-20 dBm<br>-30 dBm  | rum<br>evel       | 20.00 dBa<br>30 d   | m Offset<br>B ⊕ SWT        | 2.55 dB =<br>5 ms = | RBW 1 MHz                                     | M                 | 1[1]                     |                        |  | 8.80 dBr<br>1.026000 m              |
| Specto<br>Ref Lo<br>Att<br>SGL<br>1Pk Cl<br>10 dBm<br>-10 dBm<br>-20 dBm<br>-30 dBm  |                   | 20.00 dBa<br>30 d   | m Offset<br>B ⊕ SWT        | 2.55 dB =<br>5 ms = | RBW 1 MHz                                     | M                 | 1[1]                     |                        |  | 8.80 dBr<br>1.026000 m              |
| Spects<br>Ref Li<br>Att<br>SGL<br>1Pk Cl<br>10 dBm<br>-10 dBm<br>-10 dBm<br>-20 dBm<br>-30 dBm<br>-30 dBm<br>-40 dBm<br>-40 dBm<br>-40 dBm   |                   | 20.00 dBa<br>30 d   | m Offset<br>B ⊕ SWT        | 2.55 dB =<br>5 ms = | RBW 1 MHz                                     | M                 | 1[1]                     |                        |  | 8.80 dBr<br>1.026000 m              |
| Spects<br>Ref Li<br>Att<br>SGL<br>1Pk Cl<br>10 dBm<br>-10 dBm<br>-10 dBm<br>-20 dBm<br>-30 dBm<br>-30 dBm<br>-40 dBm<br>-40 dBm<br>-40 dBm   |                   | 20.00 dBa<br>30 d   | m Offset<br>B ⊕ SWT        | 2.55 dB =<br>5 ms = | RBW 1 MHz                                     | M                 | 1[1]                     |                        |  | 8.80 dBr<br>1.026000 m              |
| Spects<br>Ref Li<br>Att<br>SGL<br>1Pk Cl<br>10 dBm<br>-10 dBm<br>-10 dBm<br>-20 dBm<br>-30 dBm<br>-40 dBm<br>-60 dBm<br>-60 dBm<br>-70 dBm   |                   | 20.00 dBa<br>30 d   | m Offset<br>B ⊕ SWT        | 2.55 dB =<br>5 ms = | RBW 1 MHz     VBW 3 MHz                       |                   | 1[1]                     |                        |  | 8.80 dBr<br>1.026000 m              |
| Spects<br>Ref Li<br>Att<br>SGL<br>10 / DPk Cl<br>10 / dBm<br>-10 / dBm<br>-10 / dBm<br>-20 / dBm<br>-20 / dBm<br>-30 / dBm<br>-40 / dBm<br>-60 / dBm<br>-60 / dBm<br>-70 / dBm<br>-70 / dBm<br>-70 / dBm<br>-70 / dBm  |                   | 20.00 dBa<br>30 d   | m Offset<br>B ⊕ SWT        | 2.55 dB =<br>5 ms = | RBW 1 MHz                                     |                   | 1[1]                     |                        |  | 8.80 dBr<br>1.026000 m              |
| Specta<br>Ref Li<br>Att<br>SGL<br>11Pk Cl<br>11Pk Cl<br>10 dBm<br>-10 dBm<br>-20 d |                   | 20.00 dBi<br>30 d   | m Offset<br>B ⊕ SWT        | 2.55 dB             | RBW 1 MHz     VBW 3 MHz                       |                   |                          |                        | i i i i i i i i i i i i i i i i i i i  | 8.80 dBr<br>1.026000 m<br>1.02600 m |
| Specb<br>Ref Li<br>Att<br>SGL<br>10 dBm<br>10 dBm<br>-10 dBm<br>-20 dBm<br>-20 dBm<br>-40 dBm<br>-30 dBm   |                   | 20.00 dBi<br>30 d   | C<br>m Offset<br>B SWT     | 2.55 dB             | RBW 1 MHz     VBW 3 MHz                       | pts               |                          |                        |  | 8.80 dBr<br>1.026000 m<br>1.02600 m |
| Specto<br>Ref Li<br>Att<br>SGL<br>10 dBm<br>10 dBm<br>-10 dBm<br>-20 dBm<br>-20 dBm<br>-40 dBm<br>-40 dBm<br>-50 dBm<br>-50 dBm<br>-70 dBm<br>CF 2.44<br>larker<br>Type  |                   | 20.00 dBi<br>30 d   | C<br>m Offset<br>B SWT     | 2.55 dB = 5 ms =    | RBW         1 MHz           VBW         3 MHz | pts               |                          |                        |  | 8.80 dBr<br>1.026000 m<br>1.02600 m |

# Maximum Conducted Output Power

| Condition                     | Mode      | Frequency<br>(MHz)          | Antenna     | Conducted<br>Power (dBm) | Duty<br>Factor<br>(dB) | Total<br>Power<br>(dBm) | Limit<br>(dBm) | E.I.R.P<br>(dBm | E.I.R.P<br>Limit<br>(dBm) | Verdict |
|-------------------------------|-----------|-----------------------------|-------------|--------------------------|------------------------|-------------------------|----------------|-----------------|---------------------------|---------|
| NVNT                          | BLE<br>1M | 2402                        | Ant1        | 8.9                      | 0                      | 8.9                     | 30             | 13.06           | <=36.02                   | Pass    |
| NVNT                          | BLE<br>1M | 2440                        | Ant1        | 9.32                     | 0                      | 9.32                    | 30             | 13.48           | <=36.02                   | Pass    |
| NVNT                          | BLE<br>1M | 2480                        | Ant1        | 9.44                     | 0                      | 9.44                    | 30             | 13.60           | <=36.02                   | Pass    |
| NVNT                          | BLE<br>2M | 2402                        | Ant1        | 9.02                     | 0                      | 9.02                    | 30             | 13.18           | <=36.02                   | Pass    |
| NVNT                          | BLE<br>2M | 2440                        | Ant1        | 9.37                     | 0                      | 9.37                    | 30             | 13.53           | <=36.02                   | Pass    |
| NVNT                          | BLE<br>2M | 2480                        | Ant1        | 9.56                     | 0                      | 9.56                    | 30             | 13.72           | <=36.02                   | Pass    |
| Note1: Anten<br>Note2: E.I.R. |           | 4.16dBi;<br>ured Power + Ar | ntenna Gain |                          |                        |                         |                |                 |                           |         |

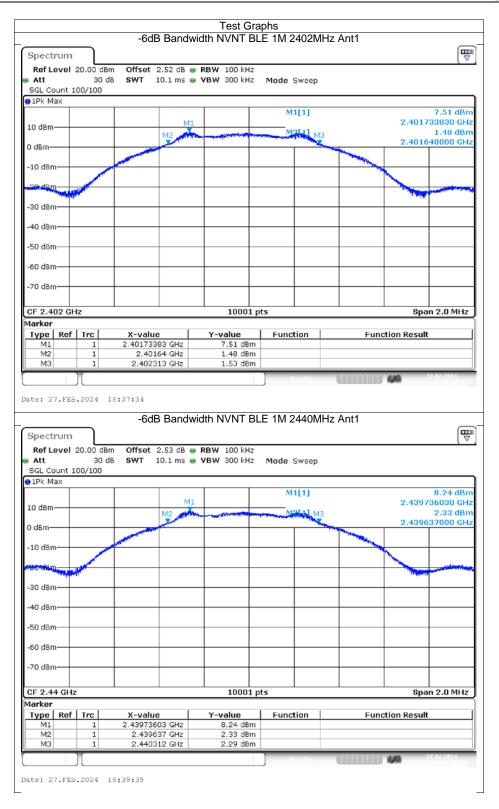


| Spectrum  |                               |          |                                       |   | 1M 2480N       |          |   |        | E        |
|---|-------------------------------|----------|---------------------------------------|---|----------------|----------|---|--------|----------|
| Ref Level<br>Att<br>SGL Count   | 20.00 dBm<br>30 dB<br>100/100 |          | 2.55 dB 🖶 🖡<br>10.1 ms 🖶 🕻            |   |                | weep     |   |        |          |
| 1Pk Max   |                               |          |                                       |   |                |          |   |        |          |
|   |                               |          |                                       |   | M1             | [1]      |   | 0 4707 | 9.44 dBr |
| 10 dBm  |                               |          |                                       | M1  |                |          |   | 2.4797 | 11000 GH |
|   |                               |          |                                       |   |                |          |   |        |          |
| 0 dBm   |                               |          |                                       |   |                |          |   |        |          |
|   |                               |          |                                       |   |                |          |   |        |          |
| -10 dBm   |                               |          |                                       |   |                |          |   |        |          |
|   |                               |          |                                       |   |                |          |   |        |          |
| -20 dBm   |                               |          |                                       |   |                |          |   |        |          |
| -30 dBm   |                               |          |                                       |   |                |          |   |        |          |
| 50 05111  |                               |          |                                       |   |                |          |   |        |          |
| -40 dBm   |                               |          |                                       |   |                |          |   |        |          |
|   |                               |          |                                       |   |                |          |   |        |          |
| -50 d8m   |                               |          |                                       |   |                |          |   |        |          |
|   |                               |          |                                       |   |                |          |   |        |          |
| -60 dBm   |                               |          |                                       |   |                |          |   |        |          |
| -70 dBm   |                               |          |                                       |   |                |          |   |        |          |
| -70 asm   |                               |          |                                       |   |                |          |   |        |          |
|   |                               |          |                                       |   |                |          |   |        |          |
| CF 2.48 GH  | lz                            |          |                                       | 1000:                                       | 1 pts          |          |   | Span   | 10.0 MHz |
| Spectrum  |                               |          |                                       |   | 2M 2402N       | IHz Ant1 |   |        | H<br>7   |
| Spectrum<br>Ref Level   | 1<br>20.00 dBm<br>30 dB       | n Offset | Power N<br>2.52 dB • F<br>10.1 ms • V | <b>авж</b> з мна                            | 2              |          |   |        | T<br>7   |
| Spectrum<br>Ref Level<br>Att<br>SGL Count   | 1<br>20.00 dBm<br>30 dB       | n Offset | 2.52 dB 👄 F                           | <b>авж</b> з мна                            | 2              |          |   |        | Ē        |
| Spectrum<br>Ref Level<br>Att<br>SGL Count   | 1<br>20.00 dBm<br>30 dB       | n Offset | 2.52 dB 👄 F                           | <b>авж</b> з мна                            | 2<br>2 Mode St |          |   |        |          |
| Spectrum<br>Ref Level<br>Att<br>SGL Count<br>1Pk Max  | 1<br>20.00 dBm<br>30 dB       | n Offset | 2.52 dB 👄 F                           | <b>RBW</b> 3 MH2<br><b>/BW</b> 10 MH2<br>M1 | 2<br>2 Mode St | weep     | 1 | 2.4018 | 9.02 dBi |
| Spectrum<br>Ref Level<br>Att<br>SGL Count<br>1Pk Max  | 1<br>20.00 dBm<br>30 dB       | n Offset | 2.52 dB 👄 F                           | RBW 3 MH2<br>VBW 10 MH2                     | 2<br>2 Mode St | weep     |   | 2.4018 | 9.02 dBi |
| Spectrum<br>Ref Level<br>• Att<br>SGL Count<br>• 1Pk Max<br>10 dBm  | 1<br>20.00 dBm<br>30 dB       | n Offset | 2.52 dB 👄 F                           | <b>RBW</b> 3 MH2<br><b>/BW</b> 10 MH2<br>M1 | 2<br>2 Mode St | weep     |   | 2.4018 | 9.02 dBi |
| Spectrum<br>Ref Level<br>• Att<br>SGL Count<br>• 1Pk Max<br>10 dBm  | 1<br>20.00 dBm<br>30 dB       | n Offset | 2.52 dB 👄 F                           | <b>RBW</b> 3 MH2<br><b>/BW</b> 10 MH2<br>M1 | 2<br>2 Mode St | weep     |   | 2.4018 | 9.02 dBr |
| Spectrum<br>Ref Level<br>Att<br>SGL Count<br>1Pk Max<br>10 dBm<br>0 dBm   | 1<br>20.00 dBm<br>30 dB       | n Offset | 2.52 dB 👄 F                           | <b>RBW</b> 3 MH2<br><b>/BW</b> 10 MH2<br>M1 | 2<br>2 Mode St | weep     |   | 2.4018 | 9.02 dBr |
| Spectrum<br>Ref Level<br>SGL Count<br>IPk Max<br>10 dBm<br>0 dBm<br>-10 dBm   | 1<br>20.00 dBm<br>30 dB       | n Offset | 2.52 dB 👄 F                           | <b>RBW</b> 3 MH2<br><b>/BW</b> 10 MH2<br>M1 | 2<br>2 Mode St | weep     |   | 2.4018 | 9.02 dBr |
| Spectrum<br>Ref Level<br>SGL Count<br>IPk Max<br>10 dBm<br>0 dBm<br>-10 dBm   | 1<br>20.00 dBm<br>30 dB       | n Offset | 2.52 dB 👄 F                           | <b>RBW</b> 3 MH2<br><b>/BW</b> 10 MH2<br>M1 | 2<br>2 Mode St | weep     |   | 2.4018 | 9.02 dBr |
| Spectrum<br>Ref Level<br>SGL Count<br>SGL Count<br>IPk Max<br>10 dBm<br>0 dBm<br>-10 dBm<br>-20 dBm                                 | 1<br>20.00 dBm<br>30 dB       | n Offset | 2.52 dB 👄 F                           | <b>RBW</b> 3 MH2<br><b>/BW</b> 10 MH2<br>M1 | 2<br>2 Mode St | weep     |   | 2.4018 | 9.02 dBr |
| Spectrum<br>Ref Level<br>SGL Count<br>SGL Count<br>IPk Max<br>10 dBm<br>0 dBm<br>-10 dBm<br>-20 dBm                                 | 1<br>20.00 dBm<br>30 dB       | n Offset | 2.52 dB 👄 F                           | <b>RBW</b> 3 MH2<br><b>/BW</b> 10 MH2<br>M1 | 2<br>2 Mode St | weep     |   | 2.4018 | 9.02 dBr |
| Spectrum<br>Ref Level<br>Att<br>SGL Count<br>ID dBm<br>0 dBm<br>-10 dBm<br>-20 dBm<br>-30 dBm                                       | 1<br>20.00 dBm<br>30 dB       | n Offset | 2.52 dB 👄 F                           | <b>RBW</b> 3 MH2<br><b>/BW</b> 10 MH2<br>M1 | 2<br>2 Mode St | weep     |   | 2.4018 | 9.02 dBr |
| Spectrum<br>Ref Level<br>Att<br>SGL Count<br>ID dBm<br>0 dBm<br>-10 dBm<br>-20 dBm<br>-30 dBm                                       | 1<br>20.00 dBm<br>30 dB       | n Offset | 2.52 dB 👄 F                           | <b>RBW</b> 3 MH2<br><b>/BW</b> 10 MH2<br>M1 | 2<br>2 Mode St | weep     |   | 2.4018 | 9.02 dBr |
| Spectrum<br>Ref Level<br>SGL Count<br>SGL Count<br>IPk Max<br>10 dBm<br>0 dBm<br>-10 dBm<br>-20 dBm<br>-30 dBm<br>-40 dBm           | 1<br>20.00 dBm<br>30 dB       | n Offset | 2.52 dB 👄 F                           | <b>RBW</b> 3 MH2<br><b>/BW</b> 10 MH2<br>M1 | 2<br>2 Mode St | weep     |   | 2.4018 | 9.02 dBr |
| Spectrum<br>Ref Level<br>SGL Count<br>SGL Count<br>IPk Max<br>10 dBm<br>-10 dBm<br>-20 dBm<br>-20 dBm<br>-30 dBm<br>-40 dBm         | 1<br>20.00 dBm<br>30 dB       | n Offset | 2.52 dB 👄 F                           | <b>RBW</b> 3 MH2<br><b>/BW</b> 10 MH2<br>M1 | 2<br>2 Mode St | weep     |   | 2.4018 | 9.02 dBr |
| Spectrum<br>Ref Level<br>SGL Count<br>SGL Count<br>IPk Max<br>10 dBm<br>-10 dBm<br>-20 dBm<br>-20 dBm<br>-30 dBm<br>-40 dBm         | 1<br>20.00 dBm<br>30 dB       | n Offset | 2.52 dB 👄 F                           | <b>RBW</b> 3 MH2<br><b>/BW</b> 10 MH2<br>M1 | 2<br>2 Mode St | weep     |   | 2.4018 | 9.02 dBr |
| Spectrum<br>Ref Level<br>SGL Count<br>SGL Count<br>10 dBm<br>10 dBm<br>-10 dBm<br>-20 dBm<br>-30 dBm<br>-50 dBm<br>-60 dBm          | 1<br>20.00 dBm<br>30 dB       | n Offset | 2.52 dB 👄 F                           | <b>RBW</b> 3 MH2<br><b>/BW</b> 10 MH2<br>M1 | 2<br>2 Mode St | weep     |   | 2.4018 | 9.02 dBr |
| Spectrum<br>Ref Level<br>Att<br>SGL Count<br>IPk Max<br>10 dBm<br>-10 dBm<br>-20 dBm<br>-30 dBm<br>-30 dBm<br>-30 dBm               | 1<br>20.00 dBm<br>30 dB       | n Offset | 2.52 dB 👄 F                           | <b>RBW</b> 3 MH2<br><b>/BW</b> 10 MH2<br>M1 | 2<br>2 Mode St | weep     |   | 2.4018 | 9.02 dBr |
| Spectrum<br>Ref Level<br>SGL Count<br>ID dBm<br>10 dBm<br>-10 dBm<br>-20 dBm<br>-20 dBm<br>-30 dBm<br>-50 dBm<br>-50 dBm<br>-70 dBm | 20.00 dBm<br>30 dB<br>100/100 | n Offset | 2.52 dB 👄 F                           | ABW 3 MH2<br>/BW 10 MH2                     | 2 Mode St      | weep     |   |        | 9.02 dBr |
| Spectrum<br>Ref Level<br>SGL Count<br>SGL Count<br>10 dBm<br>10 dBm<br>-10 dBm<br>-20 dBm<br>-30 dBm<br>-50 dBm<br>-60 dBm          | 20.00 dBm<br>30 dB<br>100/100 | n Offset | 2.52 dB 👄 F                           | <b>RBW</b> 3 MH2<br><b>/BW</b> 10 MH2<br>M1 | 2 Mode St      | weep     |   |        | 9.02 dBr |

| Spectrum  |                               |          |             |                                      | 2M 2440Mł    |         |            | E                    |
|---|-------------------------------|----------|-------------|--------------------------------------|--------------|---------|------------|----------------------|
| Ref Level<br>Att<br>SGL Count   | 20.00 dBm<br>30 dB            |          |             | RBW 3 MHz<br>VBW 10 MHz              |              | еер     |            |                      |
| 1Pk Max   | 100/100                       |          |             |                                      |              |         |            |                      |
|   |                               |          |             |                                      | M1[          | 1]      |            | 9.37 dBr             |
| 10 dBm  |                               |          |             | M                                    |              |         | 2.4399     | 59000 GH             |
| 10 dbiii  |                               |          |             |                                      |              |         |            |                      |
| 0 dBm   |                               |          |             |                                      |              |         |            |                      |
|   |                               |          |             |                                      |              |         |            |                      |
| -10 dBm   |                               |          |             |                                      |              |         |            |                      |
|   |                               |          |             |                                      |              |         |            |                      |
| -20 dBm   |                               |          |             |                                      |              |         |            |                      |
| -30 dBm   |                               |          |             |                                      |              |         |            |                      |
| 00 00.00  |                               |          |             |                                      |              |         |            |                      |
| -40 dBm   |                               |          |             |                                      |              |         |            |                      |
|   |                               |          |             |                                      |              |         |            |                      |
| -50 dBm   |                               |          |             |                                      |              |         |            |                      |
| 60 d0   |                               |          |             |                                      |              |         |            |                      |
| -60 dBm   |                               |          |             |                                      |              |         |            |                      |
| -70 dBm   |                               |          |             |                                      |              |         |            |                      |
| , o usin  |                               |          |             |                                      |              |         |            |                      |
|   |                               |          |             |                                      |              |         |            |                      |
| CF 2.44 GH  | 12                            |          |             | 10001                                | i pis        |         | span       | 10.0 MH              |
| Spectrum  | ,                             | 8:45:28  |             |                                      | 2M 2480Mł    | Hz Ant1 |            | E C                  |
| Spectrum<br><b>Ref Leve</b> l   |                               | n Offset | 2.55 dB 😑 I | VNT BLE 2<br>RBW 3 MHZ<br>VBW 10 MHZ | :            |         |            | H<br>V               |
| Spectrum<br>Ref Level<br>Att<br>SGL Count   | 1<br>20.00 dBm<br>30 dB       | n Offset | 2.55 dB 😑 I | RBW 3 MHz                            | 2            |         |            | T<br>T               |
| Spectrum<br>Ref Level<br>Att<br>SGL Count   | 1<br>20.00 dBm<br>30 dB       | n Offset | 2.55 dB 😑 I | RBW 3 MHz                            | :<br>Mode Sw | еер     |            |                      |
| Spectrum<br>Ref Level<br>Att<br>SGL Count<br>1Pk Max  | 1<br>20.00 dBm<br>30 dB       | n Offset | 2.55 dB 😑 I | RBW 3 MHz                            | :            | еер     | <br>2.4798 | 9.56 dB              |
| Spectrum<br>Ref Level<br>Att<br>SGL Count<br>1Pk Max  | 1<br>20.00 dBm<br>30 dB       | n Offset | 2.55 dB 😑 I | RBW 3 MHz<br>VBW 10 MHz              | :<br>Mode Sw | еер     | <br>2.4798 | 9.56 dB              |
| Spectrum<br>Ref Level<br>o Att<br>SGL Count<br>IPk Max  | 1<br>20.00 dBm<br>30 dB       | n Offset | 2.55 dB 😑 I | RBW 3 MHz<br>VBW 10 MHz              | :<br>Mode Sw | еер     | 2.4798     | 9.56 dB              |
| Spectrum<br>Ref Level<br>o Att<br>SGL Count<br>IPk Max  | 1<br>20.00 dBm<br>30 dB       | n Offset | 2.55 dB 😑 I | RBW 3 MHz<br>VBW 10 MHz              | :<br>Mode Sw | еер     | 2.4798     | 9.56 dBi             |
| Spectrum<br>Ref Level<br>Att<br>SGL Count<br>IPk Max<br>10 dBm<br>0 dBm   | 1<br>20.00 dBm<br>30 dB       | n Offset | 2.55 dB 😑 I | RBW 3 MHz<br>VBW 10 MHz              | :<br>Mode Sw | еер     | 2.4798     | 9.56 dBi             |
| Spectrum<br>Ref Level<br>Att<br>SGL Count<br>IPk Max<br>10 dBm<br>0 dBm   | 1<br>20.00 dBm<br>30 dB       | n Offset | 2.55 dB 😑 I | RBW 3 MHz<br>VBW 10 MHz              | :<br>Mode Sw | еер     | 2.4798     | 9.56 dBi             |
| Spectrum<br>Ref Level<br>SGL Count<br>JIPk Max<br>10 dBm<br>0 dBm   | 1<br>20.00 dBm<br>30 dB       | n Offset | 2.55 dB 😑 I | RBW 3 MHz<br>VBW 10 MHz              | :<br>Mode Sw | еер     | 2.4798     | 9.56 dB              |
| Spectrum<br>Ref Level<br>SGL Count<br>IPk Max<br>10 dBm<br>0 dBm<br>-10 dBm<br>-20 dBm  | 1<br>20.00 dBm<br>30 dB       | n Offset | 2.55 dB 😑 I | RBW 3 MHz<br>VBW 10 MHz              | :<br>Mode Sw | еер     | 2.4798     | 9.56 dBi             |
| Spectrum<br>Ref Level<br>SGL Count<br>IPk Max<br>10 dBm<br>0 dBm<br>-10 dBm<br>-20 dBm  | 1<br>20.00 dBm<br>30 dB       | n Offset | 2.55 dB 😑 I | RBW 3 MHz<br>VBW 10 MHz              | :<br>Mode Sw | еер     | 2.4798     | 9.56 dBi             |
| Spectrum<br>Ref Level<br>Att<br>SGL Count<br>JPk Max<br>10 dBm<br>0 dBm<br>-10 dBm<br>-20 dBm<br>-30 dBm                                  | 1<br>20.00 dBm<br>30 dB       | n Offset | 2.55 dB 😑 I | RBW 3 MHz<br>VBW 10 MHz              | :<br>Mode Sw | еер     | 2.4798     | 9.56 dBi             |
| Spectrum<br>Ref Level<br>Att<br>SGL Count<br>JPk Max<br>10 dBm<br>0 dBm<br>-10 dBm<br>-20 dBm<br>-30 dBm                                  | 1<br>20.00 dBm<br>30 dB       | n Offset | 2.55 dB 😑 I | RBW 3 MHz<br>VBW 10 MHz              | :<br>Mode Sw | еер     | 2.4798     | 9.56 dBi             |
| Spectrum<br>Ref Level<br>Att<br>SGL Count<br>IPk Max<br>10 dBm<br>0 dBm<br>-10 dBm<br>-20 dBm<br>-30 dBm<br>-40 dBm                       | 1<br>20.00 dBm<br>30 dB       | n Offset | 2.55 dB 😑 I | RBW 3 MHz<br>VBW 10 MHz              | :<br>Mode Sw | еер     | 2.4798     | 9.56 dBr             |
| Spectrum<br>Ref Level<br>Att<br>SGL Count<br>JPk Max<br>10 dBm<br>0 dBm<br>-10 dBm<br>-20 dBm<br>-30 dBm                                  | 1<br>20.00 dBm<br>30 dB       | n Offset | 2.55 dB 😑 I | RBW 3 MHz<br>VBW 10 MHz              | :<br>Mode Sw | еер     | 2.4798     | 9.56 dBr             |
| Spectrum<br>Ref Level<br>Att<br>SGL Count<br>IPk Max<br>10 dBm<br>0 dBm<br>-10 dBm<br>-20 dBm<br>-30 dBm<br>-40 dBm                       | 1<br>20.00 dBm<br>30 dB       | n Offset | 2.55 dB 😑 I | RBW 3 MHz<br>VBW 10 MHz              | :<br>Mode Sw | еер     | 2.4798     | 9.56 dBr             |
| Spectrum<br>Ref Level<br>SGL Count<br>SGL Count<br>ID dBm<br>0 dBm<br>-10 dBm<br>-20 dBm<br>-30 dBm<br>-40 dBm<br>-50 dBm<br>-60 dBm      | 1<br>20.00 dBm<br>30 dB       | n Offset | 2.55 dB 😑 I | RBW 3 MHz<br>VBW 10 MHz              | :<br>Mode Sw | еер     | 2.4798     | 9.56 dBr             |
| Spectrum<br>Ref Level<br>Att<br>SGL Count<br>IPk Max<br>10 dBm<br>-10 dBm<br>-20 dBm<br>-30 dBm<br>-30 dBm<br>-50 dBm                     | 1<br>20.00 dBm<br>30 dB       | n Offset | 2.55 dB 😑 I | RBW 3 MHz<br>VBW 10 MHz              | :<br>Mode Sw | еер     | 2.4798     | 9.56 dBi             |
| Spectrum<br>Ref Level<br>SGL Count<br>SGL Count<br>ID dBm<br>0 dBm<br>-10 dBm<br>-20 dBm<br>-30 dBm<br>-40 dBm<br>-50 dBm<br>-60 dBm      | 1<br>20.00 dBm<br>30 dB       | n Offset | 2.55 dB 😑 I | RBW 3 MHz<br>VBW 10 MHz              | :<br>Mode Sw | еер     | 2.4798     | 9.56 dBi             |
| Spectrum<br>Ref Level<br>Att<br>SGL Count<br>IPk Max<br>10 dBm<br>0 dBm<br>-10 dBm<br>-20 dBm<br>-30 dBm<br>-50 dBm<br>-50 dBm<br>-70 dBm | 20.00 dBm<br>30 dE<br>100/100 | n Offset | 2.55 dB 😑 I | RBW 3 MHz<br>VBW 10 MHz              | Mode Sw      | еер     |            | 9.56 dB<br>86000 GF  |
| Spectrum<br>Ref Level<br>SGL Count<br>SGL Count<br>ID dBm<br>0 dBm<br>-10 dBm<br>-20 dBm<br>-30 dBm<br>-40 dBm<br>-50 dBm<br>-60 dBm      | 20.00 dBm<br>30 dE<br>100/100 | n Offset | 2.55 dB 😑 I | RBW 3 MHz<br>VBW 10 MHz              | Mode Sw      | еер     |            | 9.56 dBr<br>86000 GH |

| Condition | Mode   | Frequency (MHz) | Antenna | -6 dB Bandwidth (MHz) | Limit -6 dB Bandwidth (MHz) | Verdict |
|-----------|--------|-----------------|---------|-----------------------|-----------------------------|---------|
| NVNT      | BLE 1M | 2402            | Ant1    | 0.67                  | 0.5                         | Pass    |
| NVNT      | BLE 1M | 2440            | Ant1    | 0.68                  | 0.5                         | Pass    |
| NVNT      | BLE 1M | 2480            | Ant1    | 0.68                  | 0.5                         | Pass    |
| NVNT      | BLE 2M | 2402            | Ant1    | 1.14                  | 0.5                         | Pass    |
| NVNT      | BLE 2M | 2440            | Ant1    | 1.14                  | 0.5                         | Pass    |
| NVNT      | BLE 2M | 2480            | Ant1    | 1.14                  | 0.5                         | Pass    |

## -6dB Bandwidth

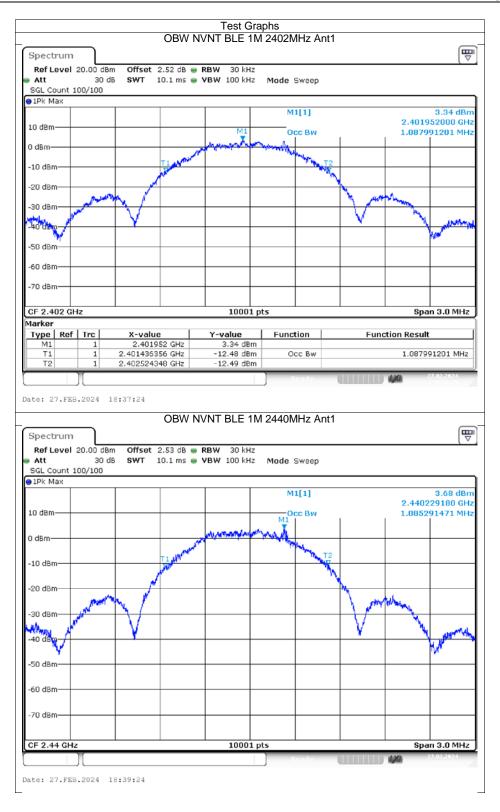


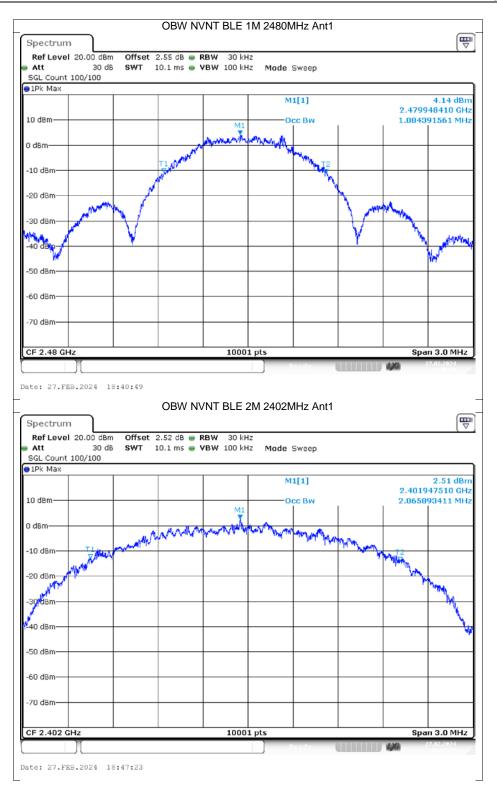
|   |   | -6d  | B Bandwi   | idth NVNT BL   | E 1M 2480MF.   | Iz Ant1   |                 | _   |
|---|---|--|--|--|--|---|-----------------|---|
| Spectrun  | n   |  |  |  |  |   |                 |   |
|   | I 20.00 dB  |  |  | RBW 100 kHz  |  |   |                 |   |
| Att<br>SGL Count  | 30 d<br>100/100   | IB SWT   | 10.1 ms 🖶  | <b>VBW</b> 300 kHz   | Mode Sweep   |   |                 |   |
| ●1Pk Max  |   |  |  |  |  |   |                 |   |
|   |   |  | M1   |  | M1[1]  |   | 2 47979         | 8.38 dBm<br>4430 GHz                                |
| 10 dBm  |   |  | M2   |  | Malil M3   |   | 2.17570         | 2.48 dBm  |
| 0 dBm   |   |  |  |  |  |   | 2.47963         | 9000 GH2  |
| -10 dBm   |   | and the second sec |  |  |  | and the second se |                 |   |
|   |   | `  |  |  |  |   |                 |   |
| -zo-dem   | and the second se |  |  | + +  |  |   | - Contraction   | State of State of State of State                    |
| -30 dBm   |   |  |  |  |  |   |                 |   |
| -40 dBm   |   |  |  |  |  |   |                 |   |
| -40 0811  |   |  |  |  |  |   |                 |   |
| -50 dBm   |   |  |  |  |  |   |                 |   |
| -60 d8m   |   |  |  |  |  |   |                 |   |
| 70 40   |   |  |  |  |  |   |                 |   |
| -70 dBm   |   |  |  |  |  |   |                 |   |
| CF 2.48 G   | l<br>Hz   |  |  | 10001 p  | ts   |   | Span            | 2.0 MHz   |
| Marker  |   |  |  |  |  |   |                 |   |
| Type Re<br>M1   |   | 2.47973  |  | Y-value<br>8.38 dBm  | Function   | Fun   | ction Result    |   |
| M1<br>M2  | 1   |  | 639 GHz  | 2.48 dBm   |  |   |                 |   |
| M3  | 1   | 2.480  | 317 GHz  | 2.38 dBm   |  |   |                 |   |
|   | Л   |  |  |  | Ready  |   | 4/4             | .02.2024  |
|   |   | -6d  | B Bandwi   | idth NVNT BL   | E 2M 2402MF  | Iz Ant1   |                 | Ē   |
|   | I 20.00 dB  | m Offset   | 2.52 dB 👄  | RBW 100 kHz  |  | łz Ant1   |                 | E   |
|   | l 20.00 dB<br>30 d  | m Offset   | 2.52 dB 👄  |  | E 2M 2402MH<br>Mode Sweep  | Iz Ant1   |                 |   |
| Ref Leve<br>Att<br>SGL Count  | l 20.00 dB<br>30 d  | m Offset   | 2.52 dB 👄  | RBW 100 kHz  | Mode Sweep   | Iz Ant1   |                 | ( ▽   |
| Ref Leve<br>Att<br>SGL Count<br>PIPk Max  | l 20.00 dB<br>30 d  | m Offset   | 2.52 dB 👄  | RBW 100 kHz<br>VBW 300 kHz   |  | Iz Ant1   | 2 40197         | (⊽<br>7.31 dBm                                      |
| Ref Leve<br>Att<br>SGL Count  | I 20.00 dB<br>30 d  | m Offset<br>IB SWT   | 2.52 dB 👄  | RBW 100 kHz<br>VBW 300 kHz   | Mode Sweep   |   |                 | 7.31 dBm<br>0600 GH<br>0.78 dBm                     |
| Ref Leve<br>Att<br>SGL Count<br>1Pk Max   | I 20.00 dB<br>30 d  | m Offset   | 2.52 dB 👄  | RBW 100 kHz<br>VBW 300 kHz   | Mode Sweep<br>M1[1]  | Iz Ant1   |                 | 7.31 dBm<br>0600 GH<br>0.78 dBm                     |
| Ref Leve<br>Att<br>SGL Count<br>1Pk Max<br>10 dBm   | I 20.00 dB<br>30 d  | m Offset<br>IB SWT   | 2.52 dB 👄  | RBW 100 kHz<br>VBW 300 kHz   | Mode Sweep<br>M1[1]  |   |                 | (∇<br>7.31 dBn<br>0600 GH:<br>0.78 dBn<br>2000 GH:  |
| Ref Leve<br>Att<br>SGL Count<br>IPk Max<br>10 dBm   | I 20.00 dB<br>30 d  | m Offset<br>IB SWT   | 2.52 dB 👄  | RBW 100 kHz<br>VBW 300 kHz   | Mode Sweep<br>M1[1]  |   |                 | ( ⊽<br>7.31 dBn<br>0600 GH;<br>0.78 dBn<br>2000 GH; |
| Ref Leve<br>Att<br>SGL Count<br>1Pk Max   | I 20.00 dB<br>30 d  | m Offset<br>IB SWT   | 2.52 dB 👄  | RBW 100 kHz<br>VBW 300 kHz   | Mode Sweep<br>M1[1]  |   |                 | ( ⊽<br>7.31 dBn<br>0600 GH;<br>0.78 dBn<br>2000 GH; |
| Ref Leve<br>Att<br>SGL Count<br>1Pk Max<br>10 dBm   | I 20.00 dB<br>30 d  | m Offset<br>IB SWT   | 2.52 dB 👄  | RBW 100 kHz<br>VBW 300 kHz   | Mode Sweep<br>M1[1]  |   |                 | ( ⊽<br>7.31 dBn<br>0600 GH;<br>0.78 dBn<br>2000 GH; |
| Ref Leve           Att           SGL Count           1Pk Max           10 dBm           0 dBm           -10 dBm           -20 dBm           -30 dBm   | I 20.00 dB<br>30 d  | m Offset<br>IB SWT   | 2.52 dB 👄  | RBW 100 kHz<br>VBW 300 kHz   | Mode Sweep<br>M1[1]  |   |                 | 7.31 dBm<br>0600 GHz<br>0.78 dBm                    |
| Ref Leve           Att           SGL Count           1Pk Max           10 dBm           0 dBm           -10 dBm           -20 dBm           -30 dBm           -40 dBm   | I 20.00 dB<br>30 d  | m Offset<br>IB SWT   | 2.52 dB 👄  | RBW 100 kHz<br>VBW 300 kHz   | Mode Sweep<br>M1[1]  |   |                 | ( ⊽<br>7.31 dBm<br>0600 GHz<br>0.78 dBm<br>2000 GHz |
| Ref Leve           Att           SGL Count           1Pk Max           10 dBm           0 dBm           -10 dBm           -20 dBm           -30 dBm   | I 20.00 dB<br>30 d  | m Offset<br>IB SWT   | 2.52 dB 👄  | RBW 100 kHz<br>VBW 300 kHz   | Mode Sweep<br>M1[1]  |   |                 | ( ⊽<br>7.31 dBm<br>0600 GHz<br>0.78 dBm<br>2000 GHz |
| Ref Leve           Att           SGL Count           1Pk Max           10 dBm           0 dBm           -10 dBm           -20 dBm           -30 dBm           -40 dBm   | I 20.00 dB<br>30 d  | m Offset<br>IB SWT   | 2.52 dB 👄  | RBW 100 kHz<br>VBW 300 kHz   | Mode Sweep<br>M1[1]  |   |                 | (∇<br>7.31 dBm<br>0600 GHz<br>0.78 dBm<br>2000 GHz  |
| Ref Leve           Att           SGL Count           1Pk Max           10 dBm           0 dBm           -10 dBm           -20 dBm           -30 dBm           -40 dBm           -50 dBm           -60 dBm   | I 20.00 dB<br>30 d  | m Offset<br>IB SWT   | 2.52 dB 👄  | RBW 100 kHz<br>VBW 300 kHz   | Mode Sweep<br>M1[1]  |   |                 | (∇<br>7.31 dBm<br>0600 GHz<br>0.78 dBm<br>2000 GHz  |
| Ref Leve           Att           SGL Count           1Pk Max           10 dBm           0 dBm           -10 dBm           -20 dBm           -30 dBm           -40 dBm           -50 dBm           -60 dBm   | I 20.00 dB<br>30 d  | m Offset<br>IB SWT   | 2.52 dB 👄  | RBW 100 kHz<br>VBW 300 kHz   | Mode Sweep<br>M1[1]  |   |                 | ( ⊽<br>7.31 dBm<br>0600 GHz<br>0.78 dBm<br>2000 GHz |
| Ref Leve           Att           SGL Count           1Pk Max           10 dBm           0 dBm           -10 dBm           -20 dBm           -30 dBm           -40 dBm           -50 dBm           -60 dBm   | I 20.00 dB/<br>30 d<br>100/100  | m Offset<br>IB SWT   | 2.52 dB 👄  | RBW 100 kHz<br>VBW 300 kHz   | Mode Sweep<br>M1[1]<br>M2[1]<br>M2[1]  |   | 2.40140         | (▼<br>7.31 dBm<br>0000 GHz<br>0.78 dBm<br>2000 GHz  |
| Ref Leve           Att           SGL Count           1Pk Max           10 dBm           0 dBm           -10 dBm           -20 dBm           -30 dBm           -40 dBm           -50 dBm           -60 dBm           -70 dBm   | I 20.00 dB/<br>30 d<br>100/100  | m Offset<br>IB SWT   | 2.52 dB 👄  | RBW 100 kHz<br>VBW 300 kHz   | Mode Sweep<br>M1[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1 |   | 2.40140         | (∇<br>7.31 dBm<br>0600 GHz<br>0.78 dBm<br>2000 GHz  |
| Ref Leve           Att           SGL Count           SGL Count           10 dBm           0 dBm           0 dBm           -10 dBm           -20 dBm           -30 dBm           -30 dBm           -50 dBm           -50 dBm           -70 dBm           CF 2.402 C           Marker           Type  | I 20.00 dB<br>30 d<br>100/100   | M Offset<br>B SWT  | 2.52 dB  10.1 ms 10.1  | RBW 100 kHz<br>VBW 300 kHz   | Mode Sweep<br>M1[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1 |   | 2.40140         | [⊽<br>7.31 dBm<br>0000 GHz<br>0.78 dBm<br>2000 GHz  |
| Ref Leve           Att           SGL Count           1Pk Max           10 dBm           0 dBm           -10 dBm           -20 dBm           -30 dBm           -40 dBm           -50 dBm           -60 dBm           -70 dBm           CF 2.402 C           Marker   | I 20.00 dB<br>30 d<br>100/100   | m Offset<br>B SWT  | 2.52 dB  | RBW 100 kHz<br>VBW 300 kHz   | Mode Sweep<br>M1[1]<br>M2[1]<br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br>_  |   | 2.40140         | [ ▼<br>7.31 dBm<br>0000 GHz<br>0.78 dBm<br>2000 GHz |
| Ref Leve           Att           SGL Count           1Pk Max           10 dBm           0 dBm           -10 dBm           -20 dBm           -20 dBm           -30 dBm           -50 dBm           -60 dBm           -70 dBm           CF 2.402 (Marker           Type         Re           M1   | I 20.00 dB<br>30 d<br>100/100<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I  | m Offset<br>B SWT<br>M2<br>X-valu<br>2.4019<br>2.4019  | 2.52 dB =<br>10.1 ms =   | RBW 100 kHz<br>VBW 300 kHz   | Mode Sweep<br>M1[1]<br>M2[1]<br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br>_  |   | 2.40140         | [⊽<br>7.31 dBm<br>0000 GHz<br>0.78 dBm<br>2000 GHz  |
| Ref Leve           Att           SGL Count           1Pk Max           10 dBm           0 dBm           -10 dBm           -20 dBm           -20 dBm           -30 dBm           -30 dBm           -50 dBm           -60 dBm           -70 dBm           GF 2.402 Omr           M1           M2  | I 20.00 dB<br>30 d<br>100/100<br>31 d<br>31 dz<br>f Trc<br>1<br>1   | m Offset<br>B SWT<br>M2<br>X-valu<br>2.4019<br>2.4019  | 2.52 dB =<br>10.1 ms = | RBW 100 kHz<br>VBW 300 kHz<br>M1<br>M1<br>M1<br>M1<br>M1<br>M1<br>M1<br>M1<br>M1<br>M1<br>M1<br>M1<br>M1 | Mode Sweep<br>M1[1]<br>M2[1]<br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br>_  |   | 2.40140<br>Span | (▼<br>7.31 dBm<br>0000 GHz<br>0.78 dBm<br>2000 GHz  |
| Ref Leve           Att           SGL Count           91Pk Max           10 dBm           10 dBm           -10 dBm           -20 dBm           -30 dBm           -30 dBm           -40 dBm           -50 dBm           -60 dBm           -70 dBm           -70 dBm           CF 2.402 C           Marker           Type           M1           M2           M3 | I 20.00 dB<br>30 d<br>100/100<br>31 d<br>31 dz<br>f Trc<br>1<br>1   | M Offset<br>B SWT  | 2.52 dB =<br>10.1 ms = | RBW 100 kHz<br>VBW 300 kHz<br>M1<br>M1<br>M1<br>M1<br>M1<br>M1<br>M1<br>M1<br>M1<br>M1<br>M1<br>M1<br>M1 | Mode Sweep<br>M1[1]<br>M2[1]<br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br>_  | Fun   | 2.40140<br>Span | (⊽<br>7.31 dBn<br>00600 GH:<br>0.78 dBn<br>2000 GH: |

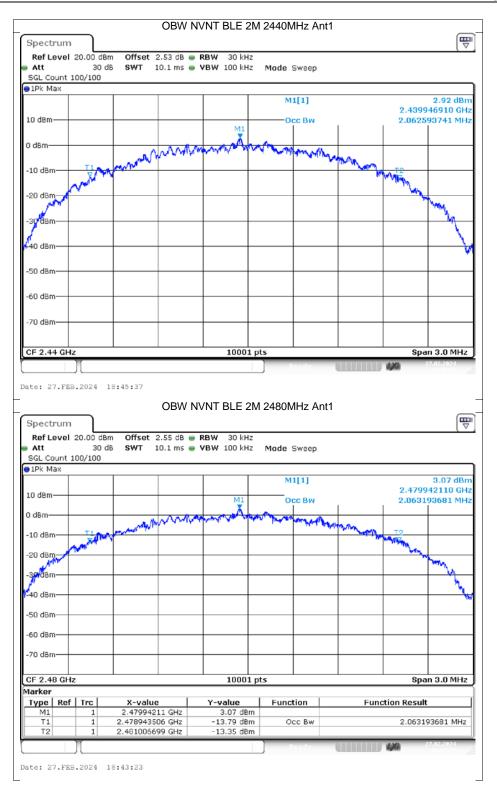
| Spectrum<br>Ref Level  |  | 001     | Dunum                  | idth NVNT B   | LE 2111 2440   | IVIHZ ANTI |          | _   |
|--|--|---------|------------------------|---|--|------------|----------|---|
|  |  |         |                        |   |  |            |          | Ę   |
| Att  | 20.00 dBn<br>30 d8   |         |                        | RBW 100 kHz   | Mada Gua   |            |          |   |
| SGL Count 1  |  | 5 5141  | 10.1 ms 🖶              | VBW 300 kHz   | Mode Swee  | p          |          |   |
| 1Pk Max  |  |         | 1                      |   |  |            |          |   |
|  |  |         |                        | М1  | M1[1]  |            |          | 7.66 dB<br>2.439973200 GF   |
| 10 dBm   | N  | 2       |                        |   | M2[1]  |            | МЗ       | 0.75 dB   |
| 0 dBm  |  |         |                        | In rotan and a second   |  |            | N.C.     | 2.439400000 GH  |
| -10 dBm  |  |         |                        |   |  |            |          |   |
|  |  |         |                        |   |  |            |          |   |
| -20 d8m  |  |         |                        |   |  |            |          |   |
| -30 d8m  |  |         |                        |   |  |            |          |   |
| -40 d8m  |  |         |                        |   |  |            |          |   |
|  |  |         |                        |   |  |            |          |   |
| -50 d8m  |  |         |                        |   |  |            |          |   |
| -60 d8m  |  |         |                        | ++  |  |            |          |   |
| -70 dBm  |  |         |                        |   |  |            |          |   |
| -/0 0811   |  |         |                        |   |  |            |          |   |
| CF 2.44 GH:  | z  |         |                        | 10001   | pts  |            |          | Span 2.0 MH:  |
| larker   |  |         |                        |   |  |            |          |   |
| Type Ref<br>M1   | 1<br>1   | 2.43997 |                        | Y-value<br>7.66 dBm   | Function   |            | Functior | n Result  |
| M2   | 1  | 2.43    | 94 GHz                 | 0.75 dBm  | 1  |            |          |   |
| M3   | 1  | 2.4405  | 42 GHz                 | 1.53 dBm  |  |            |          |   |
| ate: 27.FEE  | B.2024 1   | 8:45:45 |                        |   |  |            |          |   |
|  |  | -6dI    | 3 Bandwi               | idth NVNT B   | LE 2M 2480   | MHz Ant1   |          |   |
| Spectrum   |  |         |                        |   |  |            |          | G   |
| Ref Level  | 20.00 dBn  |         |                        |   |  |            |          | <b>Q</b>  |
|  |  |         |                        | RBW 100 kHz   |  |            |          | [4  |
| Att<br>SGL Count 1   | 30 d8  |         |                        | RBW 100 kHz<br>VBW 300 kHz  | Mode Swee  | p          |          | (4  |
| SGL Count 1  | 30 d8  |         |                        |   | Mode Swee  | p          |          | (4  |
| SGL Count 1  | 30 d8  |         |                        | <b>VBW</b> 300 kHz  | Mode Swee  | p          |          | 7.77 dB   |
| SGL Count 1<br>1Pk Max   | 30 df<br>100/100   | B SWT   |                        | VBW 300 kHz   | M1[1]  | q          | мз       | 7.77 dB<br>2.479970800 GF   |
| SGL Count 1<br>1Pk Max<br>10 dBm   | 30 d8  | B SWT   |                        | <b>VBW</b> 300 kHz  |  | p          | M3       | 7.77 dB   |
| SGL Count 1<br>1Pk Max<br>10 dBm<br>0 dBm  | 30 df<br>100/100   | B SWT   |                        | VBW 300 kHz   | M1[1]  | ep         | мз       | 7.77 dB<br>2.479970800 GF<br>2.479399000 GF   |
| SGL Count 1<br>1Pk Max<br>10 dBm<br>0 dBm  | 30 df<br>100/100   | B SWT   |                        | VBW 300 kHz   | M1[1]  |            | M3       | 7.77 dB<br>2.479970800 GF<br>1.06 dB  |
| SGL Count 1<br>1Pk Max<br>10 dBm<br>0 dBm<br>-10 dBm   | 30 df<br>100/100   | B SWT   |                        | VBW 300 kHz   | M1[1]  | q          | M3       | 7.77 dB<br>2.479970800 GF<br>2.479399000 GF   |
| SGL Count 1<br>1Pk Max<br>10 dBm<br>0 dBm<br>-10 dBm<br>-20 dBm  | 30 df<br>100/100   | B SWT   |                        | VBW 300 kHz   | M1[1]  | p          | M3       | 7.77 dB<br>2.479970800 GF<br>2.479399000 GF   |
| SGL Count 1<br>1Pk Max<br>10 dBm<br>0 dBm<br>-10 dBm   | 30 df<br>100/100   | B SWT   |                        | VBW 300 kHz   | M1[1]  | p          | M3       | 7.77 dB<br>2.479970800 GF<br>2.479399000 GF   |
| SGL Count 1<br>1Pk Max<br>10 dBm<br>0 dBm<br>-10 dBm<br>-20 dBm  | 30 df<br>100/100   | B SWT   |                        | VBW 300 kHz   | M1[1]  | p          | M3       | 7.77 dB<br>2.479970800 GF<br>2.479399000 GF   |
| SGL Count 1<br>1Pk Max<br>10 dBm<br>0 dBm<br>-10 dBm<br>-20 dBm<br>-30 dBm   | 30 df<br>100/100   | B SWT   |                        | VBW 300 kHz   | M1[1]  | p          | M3       | 7.77 dB<br>2.479970800 GF<br>2.479399000 GF   |
| SGL Count 1<br>1Pk Max<br>10 dBm<br>0 dBm<br>-10 dBm<br>-20 dBm<br>-30 dBm<br>-40 dBm<br>-50 dBm   | 30 df<br>100/100   | B SWT   |                        | VBW 300 kHz   | M1[1]  | p          | M3       | 7.77 dB<br>2.479970800 GF<br>2.479399000 GF   |
| SGL Count 1<br>1Pk Max<br>10 dBm<br>0 dBm<br>-10 dBm<br>-20 dBm<br>-30 dBm<br>-40 dBm<br>-50 dBm   | 30 df<br>100/100   | B SWT   |                        | VBW 300 kHz   | M1[1]  |            |          | 7.77 dB<br>2.479970800 GF<br>2.479399000 GF   |
| SGL Count 1<br>1Pk Max<br>10 dBm<br>-10 dBm<br>-20 dBm<br>-20 dBm<br>-30 dBm<br>-40 dBm<br>-50 dBm<br>-60 dBm  | 30 df<br>100/100   | B SWT   |                        | VBW 300 kHz   | M1[1]  |            | M3       | 7.77 dB<br>2.479970800 GF<br>2.479399000 GF   |
| SGL Count 1<br>1Pk Max<br>10 dBm<br>0 dBm<br>-10 dBm<br>-20 dBm<br>-20 dBm<br>-40 dBm<br>-50 dBm<br>-50 dBm<br>-70 dBm   | 30 di<br>100/100   | B SWT   |                        | VBW 300 kHz   | M1[1]  | p          | M3       | 7.77 dB<br>2.479970800 G<br>1.06 dB<br>2.479399000 G<br>1.07 dB<br>2.479399000 G<br>1.07 dB<br>2.479399000 G<br>1.07 dB<br>2.47939000 G<br>1.07 dB<br>2.47939000 G<br>1.07 dB<br>2.47939000 G<br>1.07 dB<br>2.47939000 G<br>1.07 dB<br>2.479970800 G<br>1.06 dB<br>2.479970800 G<br>1.07 dB<br>2.47997000 G<br>1.07 dB<br>2.47997000 G<br>1.07 dB<br>2.47997000 G<br>1.07 dB<br>2.47997000 G<br>1.07 dB<br>2.47997000 G<br>2.47997000 G<br>2.47997000 G<br>2.47997000 G<br>2.47997000000 G<br>2.479970000000000000000000000000000000000 |
| SGL Count 1<br>PR Max<br>10 dBm<br>0 dBm<br>-10 dBm<br>-20 dBm<br>-20 dBm<br>-30 dBm<br>-50 dBm<br>-60 dBm<br>-70 dBm<br>-70 dBm   | 30 di<br>100/100   | B SWT   |                        | VBW 300 kHz   | M1[1]  | p          | M3       | 7.77 dB<br>2.479970800 GF<br>2.47999000 GF  |
| SGL Count 1           IPk Max           10 dBm           0 dBm           -10 dBm           -20 dBm           -30 dBm           -40 dBm           -50 dBm           -60 dBm           -70 dBm   | 30 di<br>100/100<br>// 00<br>// 0 | B SWT   | e                      | VBW 300 kHz   | M1[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2 |            | M3       | 7.77 dB<br>2.479970800 GF<br>1.06 dB<br>2.479399000 GF  |
| SGL Count 1           IPk Max           10 dBm           0 dBm           -10 dBm           -20 dBm           -30 dBm           -40 dBm           -50 dBm           -60 dBm           -70 dBm | 30 di<br>100/100   | E SWT   | e<br>008 GHz           | VBW 300 kHz   | M1[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2[1]<br>M2 | p          |          | 7.77 dB<br>2.479970800 GF<br>1.06 dB<br>2.479399000 GF  |
| SGL Count 1           IPk Max           10 dBm           0 dBm           -10 dBm           -20 dBm           -30 dBm           -40 dBm           -50 dBm           -60 dBm           -70 dBm   | 30 di<br>100/100   | B SWT   | e                      | VBW 300 kHz   | M1[1]  |            |          | 7.77 dB<br>2.479970800 GF<br>1.06 dB<br>2.479399000 GF  |
| SGL Count 1           1Pk Max           10 dBm           0 dBm           -10 dBm           -20 dBm           -30 dBm           -30 dBm           -60 dBm           -60 dBm           -70 dBm           CF 2.48 GHz           Marker           Type           Ref           M1  | 30 di<br>100/100   | B SWT   | e<br>00 GHz<br>199 GHz | VBW 300 kHz<br>M1<br>TTM TTM TTM TTM<br>TTM TTM TTM TTM<br>TTM TTM TTM TTM<br>TTM TTM TTM TTM TTM<br>TTM TTM TTM TTM TTM<br>TTM TTM TTM TTM TTM TTM<br>TTM TTM TTM TTM TTM TTM TTM<br>TTM TTM TTM TTM TTM TTM TTM TTM TTM TTM | M1[1]  |            | Function | 7.77 dB<br>2.479970800 G<br>1.06 dB<br>2.479399000 G<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1   |

| Oboupi    |        | Banamath        |         |               |
|-----------|--------|-----------------|---------|---------------|
| Condition | Mode   | Frequency (MHz) | Antenna | 99% OBW (MHz) |
| NVNT      | BLE 1M | 2402            | Ant1    | 1.088         |
| NVNT      | BLE 1M | 2440            | Ant1    | 1.085         |
| NVNT      | BLE 1M | 2480            | Ant1    | 1.084         |
| NVNT      | BLE 2M | 2402            | Ant1    | 2.066         |
| NVNT      | BLE 2M | 2440            | Ant1    | 2.063         |
| NVNT      | BLE 2M | 2480            | Ant1    | 2.063         |

# **Occupied Channel Bandwidth**

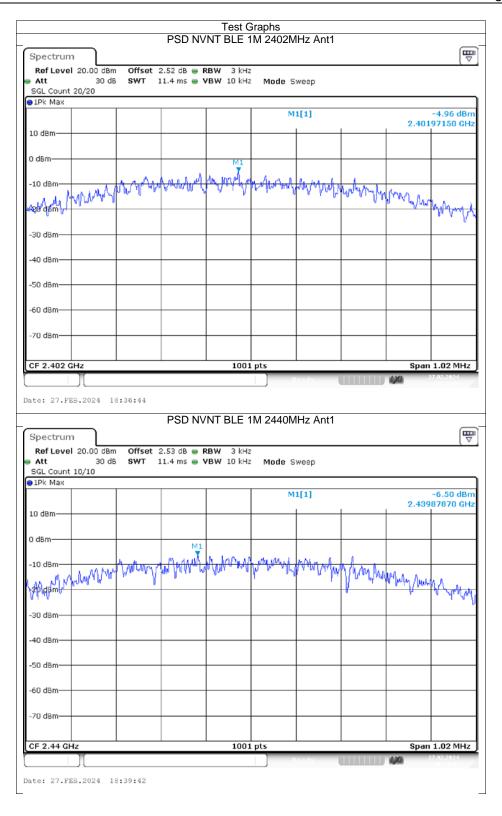




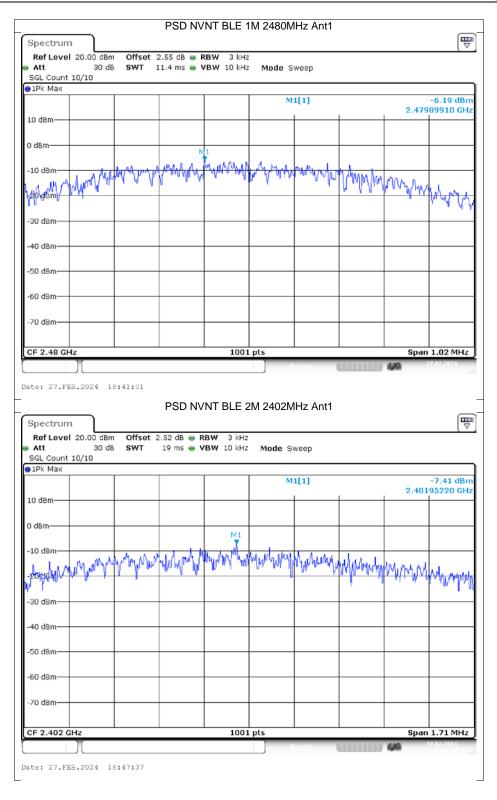


# **Maximum Power Spectral Density Level**

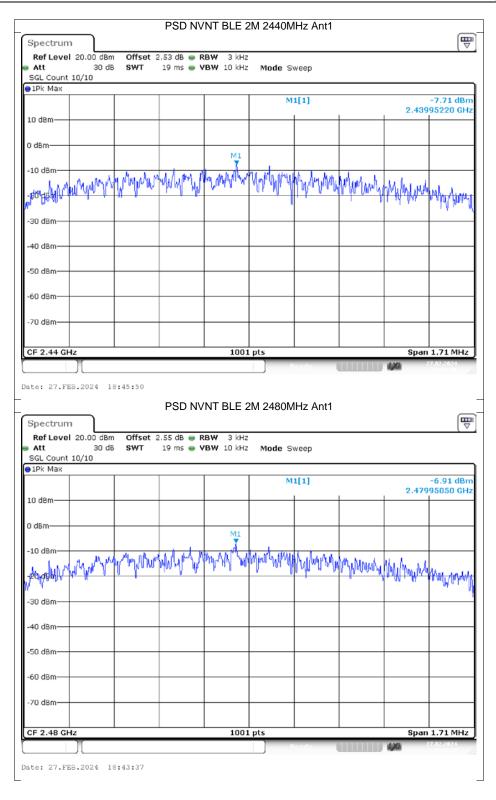
| Condition | Mode      | Frequency<br>(MHz) | Antenna | Conducted PSD<br>(dBm/3kHz) | Duty Factor<br>(dB) | Total PSD<br>(dBm/3kHz) | Limit<br>(dBm/3kHz) | Verdict |
|-----------|-----------|--------------------|---------|-----------------------------|---------------------|-------------------------|---------------------|---------|
| NVNT      | BLE<br>1M | 2402               | Ant1    | -4.96                       | 0                   | -4.96                   | 8                   | Pass    |
| NVNT      | BLE<br>1M | 2440               | Ant1    | -6.5                        | 0                   | -6.5                    | 8                   | Pass    |
| NVNT      | BLE<br>1M | 2480               | Ant1    | -6.19                       | 0                   | -6.19                   | 8                   | Pass    |
| NVNT      | BLE<br>2M | 2402               | Ant1    | -7.41                       | 0                   | -7.41                   | 8                   | Pass    |
| NVNT      | BLE<br>2M | 2440               | Ant1    | -7.71                       | 0                   | -7.71                   | 8                   | Pass    |
| NVNT      | BLE<br>2M | 2480               | Ant1    | -6.91                       | 0                   | -6.91                   | 8                   | Pass    |



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# Band Edge

| Condition | Mode   | Frequency (MHz) | Antenna | Max Value (dBc) | Limit (dBc) | Verdict |
|-----------|--------|-----------------|---------|-----------------|-------------|---------|
| NVNT      | BLE 1M | 2402            | Ant1    | -54.84          | -20         | Pass    |
| NVNT      | BLE 1M | 2480            | Ant1    | -59.03          | -20         | Pass    |
| NVNT      | BLE 2M | 2402            | Ant1    | -50.6           | -20         | Pass    |
| NVNT      | BLE 2M | 2480            | Ant1    | -57.35          | -20         | Pass    |

|  |   | Bar                       | nd Edae   | Test G<br>NVNT BLE   | 1M 2402N   | /Hz Ant1           | Ref            |          |  |
|--|---|---------------------------|---|--|--|--------------------|----------------|----------|--|
| Spectrum   | <u> </u>                                    |                           | - J-  |  |  |                    |                |          | Ē  |
| Ref Level<br>Att   | 20.00 dBn<br>30 dB                          |                           |   | RBW 100 kH:<br>VBW 300 kH:   |  |                    |                |          |  |
| SGL Count  |   | 3111                      | 1 1115  | YBW 300 KH   | z <b>Mode</b> S  | weep               |                |          |  |
| ●1Pk Max   |   | 1                         | 1   |  |  | 141                |                |          | 7.00 dB  |
|  |   |                           |   |  | M1   | [1]                |                | 2.40     | 7.09 dBm<br>175220 GHz                               |
| 10 dBm   |   |                           |   | <br>   | 4.   |                    |                |          |  |
| 0 dBm  |   |                           |   | 1  |  |                    |                |          |  |
|  |   |                           |   |  | ( )  |                    |                |          |  |
| -10 dBm  |   |                           |   |  |  |                    |                |          |  |
| -20 d8m  |   |                           |   |  | $\langle \rangle$  |                    |                |          |  |
| -20 0011   |   |                           | 1   | W  | Y  | ~                  |                |          |  |
| -30 dBm  |   |                           | ml  |  |  | 1                  |                |          |  |
| 10 10-1  |   |                           | r v   |  |  | VX                 |                |          |  |
| -40 dBm  |   | 0.0                       |   |  |  |                    | n land         |          |  |
| -50 d8m  | with the                                    | mount                     |   |  |  |                    | and the second | mhum     |  |
| John Jam   | jeve v                                      |                           |   |  |  |                    |                | - Sunday | www  |
| -60 d8m  |   |                           |   |  |  |                    |                |          |  |
| -70 d8m  |   |                           |   |  |  |                    |                |          |  |
|  |   |                           |   |  |  |                    |                |          |  |
| CF 2.402 G   | Hz  |                           |   | 1001   | pts  |                    |                | Spa      | in 8.0 MHz   |
| ate: 27.FE   | B.2024 1                                    |                           | Edge NV   | NT BLE 1M  | 1 2402MH:  | z Ant1 Ei          | mission        | agas     | 10:37:55   |
| Spectrum   | _   | Band B                    |   | NT BLE 1M  |  | z Ant1 Ei          | mission        |          |  |
| Spectrum<br>Ref Level<br>Att   | 20.00 dBn<br>30 dB                          | Band B                    | 2.52 dB 🥃   |  | z  |                    | mission        | ages     | (H   |
| Spectrum<br>Ref Level<br>Att<br>SGL Count  | 20.00 dBn<br>30 dB                          | Band B                    | 2.52 dB 🥃   | <b>RBW</b> 100 kH:   | z  |                    | mission        | 4,04     | (IIII)   |
| Spectrum<br>Ref Level<br>Att<br>SGL Count  | 20.00 dBn<br>30 dB                          | Band B                    | 2.52 dB 🥃   | <b>RBW</b> 100 kH:   | z<br>z <b>Mode</b> S   |                    | mission        |          | 6.84 dBn   |
| Spectrum<br>Ref Level<br>Att<br>SGL Count  | 20.00 dBn<br>30 dB                          | Band B                    | 2.52 dB 🥃   | <b>RBW</b> 100 kH:   | z<br>z Mode S<br>M1  | weep               | mission        |          | 6.84 dBn<br>20500₽/€H:<br>-48.29 ₽Bn                 |
| Spectrum<br>Ref Level<br>Att<br>SGL Count<br>1Pk Max   | 20.00 dBn<br>30 dB                          | Band B                    | 2.52 dB 🥃   | <b>RBW</b> 100 kH:   | z<br>z Mode S<br>M1  | weep               | mission        |          | 6.84 dBn<br>20500₽₁⊊H:<br>-48.29 <mark>7</mark> 8n   |
| Spectrum<br>Ref Level<br>Att<br>SGL Count<br>1Pk Max<br>10 dBm<br>0 dBm  | 20.00 dBm<br>30 dE<br>100/100               | Band B<br>Offset :<br>SWT | 2.52 dB 🥃   | <b>RBW</b> 100 kH:   | z<br>z Mode S<br>M1  | weep               | mission        |          | 6.84 dBn<br>20500₽/€H:<br>-48.29 ₽Bn                 |
| Spectrum<br>Ref Level<br>Att<br>SGL Count<br>10 dBm<br>0 dBm<br>-10 dBm  | 20.00 dBn<br>30 dB                          | Band B<br>Offset :<br>SWT | 2.52 dB 🥃   | <b>RBW</b> 100 kH:   | z<br>z Mode S<br>M1  | weep               | mission        |          | 6.84 dBn<br>20500₽₁⊊H:<br>-48.29 <mark>7</mark> 8n   |
| Spectrum<br>Ref Level<br>SGL Count<br>ID dBm<br>0 dBm<br>-10 dBm<br>-20 dBm  | 20.00 dBm<br>30 dE<br>100/100               | Band B<br>Offset :<br>SWT | 2.52 dB 🥃   | <b>RBW</b> 100 kH:   | z<br>z Mode S<br>M1  | weep               | mission        |          | 6.84 dBn<br>20500₽/€H:<br>-48.29 ₽Bn                 |
| Spectrum<br>Ref Level<br>Att<br>SGL Count<br>10 dBm<br>0 dBm<br>-10 dBm  | 20.00 dBm<br>30 dE<br>100/100               | Band B<br>Offset :<br>SWT | 2.52 dB 🥃   | <b>RBW</b> 100 kH:   | z<br>z Mode S<br>M1  | weep               | mission        |          | 6.84 dBn<br>20500₽/€H:<br>-48.29 ₽Bn                 |
| Spectrum<br>Ref Level<br>SGL Count<br>ID dBm<br>0 dBm<br>-10 dBm<br>-20 dBm  | 20.00 dBm<br>30 dE<br>100/100               | Band B<br>Offset :<br>SWT | 2.52 dB 🥃   | <b>RBW</b> 100 kH:   | z<br>z Mode S<br>M1  | weep               | mission        |          | 6.84 dBn<br>20500₽/€H:<br>-48.29 ₽Bn                 |
| Spectrum<br>Ref Level<br>Att<br>SGL Count<br>10 dBm<br>0 dBm<br>-10 dBm<br>-20 dBm<br>-30 dBm  | 20.00 dBm<br>30 dE<br>100/100               | Band B<br>Offset :<br>SWT | 2.52 dB   | RBW 100 kH<br>VBW 300 kH   | z Mode S<br>M1<br>M2   | weep<br>[1]<br>[1] |                | 2.400    | 6.84 dBn<br>205008/9H<br>-48.29 JBn<br>200000 GH<br> |
| Spectrum<br>Ref Level<br>Att<br>SGL Count<br>ID MBM<br>0 dBm<br>-10 dBm<br>-20 dBm<br>-30 dBm<br>-40 dBm   | 20.00 dBn<br>30 df<br>100/100               | Band B<br>Offset :<br>SWT | 2.52 dB   | RBW 100 kH<br>VBW 300 kH   | z Mode S<br>M1<br>M2   | weep<br>[1]<br>[1] |                | 2.400    | 6.84 dBn<br>205008/9H<br>-48.29 JBn<br>200000 GH<br> |
| Spectrum<br>Ref Level<br>Att<br>SGL Count<br>ID dBm<br>0 dBm<br>-10 dBm<br>-20 dBm<br>-20 dBm<br>-30 dBm<br>-40 dBm<br>-50 dBm   | 20.00 dBn<br>30 df<br>100/100               | Band E                    | 2.52 dB   | <b>RBW</b> 100 kH:   | z Mode S<br>M1<br>M2   | weep<br>[1]<br>[1] |                | 2.400    | 6.84 dBn<br>205008/9H<br>-48.29 JBn<br>200000 GH<br> |
| Spectrum<br>Ref Level<br>Att<br>SGL Count<br>IDk Max<br>10 dBm<br>-10 dBm<br>-20 dBm<br>-30 dBm<br>-40 dBm<br>-50 dBm  | 20.00 dBn<br>30 df<br>100/100               | Band E                    | 2.52 dB   | RBW 100 kH<br>VBW 300 kH   | z Mode S<br>M1<br>M2   | weep<br>[1]<br>[1] |                | 2.400    | 6.84 dBn<br>205009/9H<br>-48.29 7Bn<br>000000 GH<br> |
| Spectrum<br>Ref Level<br>Att<br>SGL Count<br>ID dBm<br>0 dBm<br>-10 dBm<br>-20 dBm<br>-20 dBm<br>-30 dBm<br>-40 dBm<br>-50 dBm   | 20.00 dBn<br>30 dE<br>100/100               | Band E                    | 2.52 dB   | RBW 100 kH<br>VBW 300 kH   | z Mode S<br>M1<br>M2<br>M2   | weep<br>[1]<br>[1] |                | 2.400    | 6.84 dBn<br>205008/9H<br>-48.29 JBn<br>200000 GH<br> |
| Spectrum<br>Ref Level<br>Att<br>SGL Count<br>10 dBm<br>0 dBm<br>-10 dBm<br>-20 dBm<br>-30 dBm<br>-30 dBm<br>-40 dBm<br>-50 dBm<br>-70 dBm<br>Stort 2.306<br>Marker   | 20.00 dBn<br>30 dE<br>100/100<br>D1 -12.908 | Band E                    | 2.52 dB   | RBW 100 kH<br>VBW 300 kH<br>300 kH | 2<br>Mode S<br>M1<br>M2  | weep<br>[1]<br>[1] |                | 2.400    | 6.84 dBn<br>205000/GH2<br>-48.29 /Bn<br>300000 GH2   |
| Ref Level           Att           SGL Count           9 1Pk Max           10 dBm           0 dBm           -10 dBm           -20 dBm           -30 dBm           -30 dBm           -50 dBm           -50 dBm           -70 dBm           Stort 2.3006           Marker   | 20.00 dBn<br>30 dE<br>100/100<br>D1 -12.908 | Band E                    | 2.52 dB • 1 ms •  | RBW         100 kH;           VBW         300 kH;  | 2 Mode S<br>M1<br>M2<br>M2<br>Murs Huge John<br>pts<br>Funct   | weep<br>[1]<br>[1] |                | 2.400    | 2.406 GHz  |
| Spectrum           Ref Level           Att           SGL Count           9 1Pk Max           10 dBm           0 dBm           -10 dBm           -20 dBm           -30 dBm           -40 dBm           -50 dBm           -50 dBm           -50 dBm           Start 2.306           Marker           Type           M1           M2  | 20.00 dBn<br>30 dE<br>100/100<br>D1 -12.908 | Band E                    | 2.52 dB   | RBW 100 kH<br>VBW 300 kH<br>   | 2<br>2<br>Mode S<br>M1<br>M2<br>M2<br>M2<br>M1<br>M2<br>M2<br>M2<br>M2<br>M1<br>M2<br>M2<br>M1<br>M2<br>M2<br>M1<br>M2<br>M2<br>M1<br>M2<br>M2<br>M1<br>M2<br>M2<br>M1<br>M2<br>M2<br>M2<br>M1<br>M2<br>M2<br>M2<br>M2<br>M2<br>M2<br>M2<br>M2<br>M2<br>M2 | weep<br>[1]<br>[1] |                | 2.400    | 6.84 dBn<br>205000/GH2<br>-48.29 /Bn<br>300000 GH2   |
| Spectrum<br>Ref Level<br>Att<br>SGL Count<br>ID dBm<br>0 dBm<br>-10 dBm<br>-20 dBm<br>-20 dBm<br>-20 dBm<br>-30 dBm<br>-40 dBm<br>-50 dBm<br>-70 d | 20.00 dBn<br>30 dE<br>100/100<br>D1 -12.908 | Band E                    | 2.52 dB<br>1 ms<br>1 ms<br>2.52 dB<br>1 ms<br>1 ms<br>2.52 dB<br>1 ms<br>2.52 dB<br>1 ms<br>2.52 dB<br>1 ms<br>2.52 dB<br>1 ms<br>2.52 dB<br>2.52 dB | RBW 100 kH<br>VBW 300 kH<br>300 kH | 2<br>2<br>Mode S<br>M1<br>M2<br>M2<br>M2<br>M1<br>M2<br>M2<br>M2<br>M2<br>M1<br>M2<br>M2<br>M1<br>M2<br>M2<br>M1<br>M2<br>M2<br>M1<br>M2<br>M2<br>M1<br>M2<br>M2<br>M1<br>M2<br>M2<br>M2<br>M1<br>M2<br>M2<br>M2<br>M2<br>M2<br>M2<br>M2<br>M2<br>M2<br>M2 | weep<br>[1]<br>[1] |                | 2.400    | 6.84 dBn<br>205000/GH2<br>-48.29 /Bn<br>300000 GH2   |

|   | Band Edge  | NVNT BLE 1M                                   | I 2480MHz An                                | it1 Ref          |  |                         |
|---|--|---|---|------------------|--|-------------------------|
| Spectrum  | 0  |   |   |                  |  | Ē                       |
| Ref Level 20.00 dB  | 3m Offset 2.55 dB 🖷  | RBW 100 kHz                                   |   |                  |  | (v                      |
| ∎ Att 30 d  |  |   | Mode Sweep                                  |                  |  |                         |
| SGL Count 100/100   |  |   |   |                  |  |                         |
| The wax   |  |   | M1[1]                                       |                  | 8.32                                   | 2 dBm                   |
|   |  | M1  |   |                  | 2.4797443                              |                         |
| 10 dBm  |  | A con a                                       |   |                  |  |                         |
|   |  | 1 1 1 1 1                                     |   |                  |  |                         |
| 0 dBm   |  |   |   |                  |  |                         |
|   |  |   |   |                  |  |                         |
| -10 dBm   |  |   |   |                  |  |                         |
| -20 dBm   |  |   | <u>\</u>                                    |                  |  |                         |
| -20 dbm   |  | Ψ I   | - M   |                  |  |                         |
| -30 d8m   |  |   |   |                  |  |                         |
| -50 0.511   | r w  |   | W   | N.               |  |                         |
| -40 dBm   | · · ·  |   | `   | 1                |  |                         |
|   | are a  |   |   | M.               |  |                         |
| -50 dBm   | p. M.M.  |   |   | Whenthe          | mh a la                                |                         |
| -50 dBm   |  |   |   |                  | mon m                                  | ww                      |
| -60 d8m   |  |   |   |                  |  |                         |
|   |  |   |   |                  |  |                         |
| -70 d8m   |  |   |   |                  |  |                         |
|   |  |   |   |                  |  |                         |
| CF 2.48 GHz   |  |   |   |                  | Span 8.0                               | MLI-                    |
| CF 2.48 GH2   |  | 1001 pts                                      | ,   |                  | span 8.0                               | 24                      |
| Spectrum<br>Ref Level 20.00 dB  | 3m Offset 2.55 dB 🖷  | <b>PBW</b> 100 kHz                            |   |                  |  | (₩                      |
| Att 30 0  |  |   | Mode Sweep                                  |                  |  |                         |
| SGL Count 100/100   |  |   |   |                  |  |                         |
| 1Pk Max   |  |   |   |                  |  |                         |
|   |  | 1 1   | M1[1]                                       |                  | 7.00                                   | dDaw                    |
| M1  |  |   |   |                  |  | i dBm<br>0 GHz          |
| 10 dem  |  |   | M2[1]                                       |                  | 2.4802500<br>-51.90                    | 0 GHz<br>) dBm          |
| 10 dem  |  |   | M2[1]                                       |                  | 2.4802500                              | 0 GHz<br>) dBm          |
| ) dem   |  |   | M2[1]                                       |                  | 2.4802500<br>-51.90                    | 0 GHz<br>) dBm          |
| ) dBm   | /8 dBm   |   | M2[1]                                       |                  | 2.4802500<br>-51.90                    | 0 GHz<br>) dBm          |
| 0 d8m   | 78 dBm   |   | M2[1]                                       |                  | 2.4802500<br>-51.90                    | 0 GHz<br>) dBm          |
| D dām<br>-10 cBmD1 -11.67<br>-20 dām  | 78 dBm   |   | M2[1]                                       |                  | 2.4802500<br>-51.90                    | 0 GHz<br>) dBm          |
| 0 d8m   | 78 dBm   |   | M2[1]                                       |                  | 2.4802500<br>-51.90                    | 0 GHz<br>) dBm          |
| 0 dām01 -11.67<br>20 dam01 -11.67<br>30 dēm   | 78 dBm   |   | M2[1]                                       |                  | 2.4802500<br>-51.90                    | 0 GHz<br>) dBm          |
| 0 dēm01 -11.67<br>20 dēm01 -11.67<br>30 dēm   |  |   |   |                  | 2:4802500<br>-51.90<br>2:4835000       | 0 GHz<br>) dBm<br>0 GHz |
| 0 dēm01 -11.67<br>20 dēm01 -11.67<br>30 dēm   |  |   |   |                  | 2:4802500<br>-51.90<br>2:4835000       | 0 GHz<br>) dBm<br>0 GHz |
| 0 d\$m-01 -11.67<br>20 d8m-01 -11.67<br>30 d8m  |  |   |   |                  | 2:4802500<br>-51.90<br>2:4835000       | 0 GHz<br>) dBm<br>0 GHz |
| 0 dem01 -11.67<br>20 dem01 -11.67<br>30 dem<br>40 dem<br>50 dem<br>60 dem   | dBm  |   |   |                  | 2:4802500<br>-51.90<br>2:4835000       | 0 GHz<br>) dBm<br>0 GHz |
| 0 dem01 -11.67<br>20 dem01 -11.67<br>30 dem<br>40 dem<br>50 dem<br>60 dem   |  |   |   |                  | 2:4802500<br>-51.90<br>2:4835000       | 0 GHz<br>) dBm<br>0 GHz |
| 0 d8m<br>10 d8m<br>01 -11.67<br>20 d8m<br>40 d8m<br>50 d8m<br>50 d8m<br>70 d8m  |  |   | duranteenteenteenteenteenteenteenteenteente |                  | 2:48025000<br>-51.90<br>2:48350000<br> | 0 GHz<br>) dBm<br>0 GHz |
| 0 d8m 01 -11.67<br>-20 d8m 01 -11.67<br>-20 d8m   |  | 1001 pts                                      | duranteenteenteenteenteenteenteenteenteente | lungersterfenset | 2:4802500<br>-51.90<br>2:4835000       | 0 GHz<br>) dBm<br>0 GHz |
| 0 d8m 01 -11.67<br>20 d8m 01 -11.67<br>20 d8m   | et ful reversion of the second s | 1001 pts                                      | -vo-udarudeiathantak<br>s                   |                  | 2.48025000<br>-51.90<br>2.48350000<br> | 0 GHz<br>) dBm<br>0 GHz |
| 0 d8m 01 -11.67<br>20 d8m 01 -11.67<br>20 d8m   |  |   | duranteenteenteenteenteenteenteenteenteente |                  | 2:48025000<br>-51.90<br>2:48350000<br> | 0 GHz<br>) dBm<br>0 GHz |
| 10 dBm         D1 -11.67           20 dBm         D1 -11.67           20 dBm  | сницальной изателя и изателя<br>х-value<br>2.48025 GHz<br>2.4835 GHz   | 1001 pts<br>Y-value<br>7.86 dBm<br>-51.90 dBm | -vo-udarudeiathantak<br>s                   |                  | 2.48025000<br>-51.90<br>2.48350000<br> | 0 GHz<br>) dBm<br>0 GHz |
| 0 d\$m<br>10 d\$m<br>10 d\$m<br>01 -11.67<br>20 d8m<br>40 d8m<br>40 d8m<br>50 d8m<br>50 d8m<br>70 d8m<br>70 d8m<br>51 ort 2.476 GHz<br>10 d8m<br>11 ord<br>12 ord<br>13 ord<br>14 ord<br>15 ord<br>15 ord<br>16 ord<br>16 ord<br>17 ord<br>18 ord<br>18 ord<br>18 ord<br>19 ord<br>10 ord<br>11 ord<br>10 | <mark>(ค่ไป</mark>   | 1001 pts<br>Y-value<br>7.86 dBm               | -vo-udarudeiathantak<br>s                   | Func             | 2.48025000<br>-51.90<br>2.48350000<br> | 0 GHz<br>) dBm<br>0 GHz |
| 0 d8m 01 -11.67<br>-20 d8m 01 -11.67<br>-20 d8m   | сницальной изателя и изателя<br>х-value<br>2.48025 GHz<br>2.4835 GHz   | 1001 pts<br>Y-value<br>7.86 dBm<br>-51.90 dBm | -vo-udarudeiathantak<br>s                   |                  | 2.48025000<br>-51.90<br>2.48350000<br> | 0 GHz<br>) dBm<br>0 GHz |
| 0 d\$m<br>10 d\$m<br>20 d\$m<br>20 d\$m<br>20 d\$m<br>40 d\$m<br>50 d\$m<br>50 d\$m<br>50 d\$m<br>50 d\$m<br>60 d\$m<br>70 d\$m<br>70 d\$m<br>11<br>11<br>12<br>12<br>12<br>12<br>12<br>12<br>12<br>12  | сницальной изателя и изателя<br>х-value<br>2.48025 GHz<br>2.4835 GHz   | 1001 pts<br>Y-value<br>7.86 dBm<br>-51.90 dBm | -vo-udarudeiathantak<br>s                   | Func             | 2.48025000<br>-51.90<br>2.48350000<br> | 0 GHz<br>) dBm<br>0 GHz |

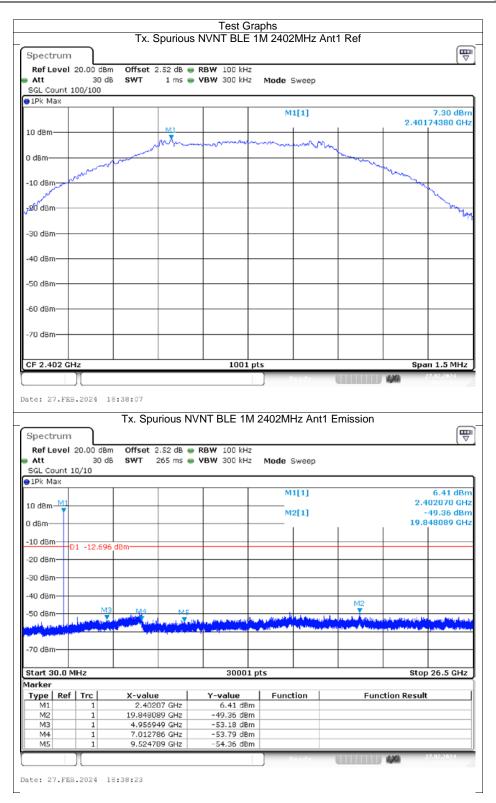
|   |                                   | Band                    | Lugen   | VNT BLE 2                | IVI 2402I   |                       | Rei                  |   |  |
|---|-----------------------------------|-------------------------|---|--------------------------|---|-----------------------|----------------------|---|--|
| Spectrur  | n                                 |                         | •   |                          |   |                       |                      |   | Ē  |
|   | al 20.00 dBr                      | m Offset 2.5            | 2 dB 🥃 R  | BW 100 kHz               |   |                       |                      |   | (°)  |
| Att   | 30 d                              | B SWT                   | 1 ms 😑 🛛  | ' <b>BW</b> 300 kHz      | Mode S  | Sweep                 |                      |   |  |
| SGL Count   | t 100/100                         |                         |   |                          |   |                       |                      |   |  |
|   |                                   |                         |   |                          | M   | 1[1]                  |                      |   | 6.72 dBm   |
| 10 40-  |                                   |                         |   |                          |   |                       |                      | 2.401   | 199200 GHz   |
| 10 dBm  |                                   |                         |   |                          |   |                       |                      |   |  |
| 0 dBm   |                                   |                         |   | Summer                   | my  |                       |                      |   |  |
| o abiii   |                                   |                         | 0   | ۲ ۲                      | <u>س</u> رم   | 4                     |                      |   |  |
| -10 dBm—  |                                   |                         |   |                          |   | hon -                 |                      |   |  |
|   |                                   |                         | <i>N</i> 2  |                          |   | $\lambda$             |                      |   |  |
| -20 dBm   |                                   |                         | 1   |                          |   | -                     |                      |   |  |
|   |                                   |                         | ſ   |                          |   |                       |                      |   |  |
| -30 dBm   |                                   |                         |   |                          |   | <u>}</u>              |                      |   |  |
|   |                                   | In the second           |   |                          |   |                       | m                    |   |  |
| -40 dBm   |                                   | M                       |   |                          |   |                       | 30                   |   |  |
| -50 d8m   |                                   | and                     |   |                          |   |                       | Magle                |   |  |
| Jun   | Marchar                           |                         |   |                          |   |                       | 000                  | MMIM  | when   |
| -60 dBm   |                                   |                         |   |                          |   |                       |                      |   |  |
| 00 00   |                                   |                         |   |                          |   |                       |                      |   |  |
| -70 dBm   |                                   |                         |   |                          |   |                       |                      |   |  |
|   |                                   |                         |   |                          |   |                       |                      |   |  |
| CF 2.402  | CH7                               |                         |   | 1001 p                   | uts   |                       |                      | Sna   | an 8.0 MHz   |
| 01 2.402  |                                   |                         |   | 1001                     | ,(3   |                       |                      | 440   | 27.02.2024   |
|   |                                   |                         |   |                          |   |                       |                      | age of the second se |  |
|   |                                   | Band Ed                 | ae NVN  | T BLE 2M                 | 2402MH  | z Ant1 Er             | mission              |   |  |
| Spectrur  |                                   |                         |   | T BLE 2M                 | 2402MH  | z Ant1 Er             | nission              |   |  |
|   | m<br>al 20.00 dBr<br>30 d         | m Offset 2.5            | 2 dB 👄 R  | <b>BW</b> 100 kHz        |   |                       | mission              |   |  |
| Ref Leve<br>Att<br>SGL Count  | el 20.00 dBr<br>30 d              | m Offset 2.5            | 2 dB 👄 R  |                          | 2402MH<br>Mode s  |                       | mission              |   |  |
| Ref Leve<br>Att   | el 20.00 dBr<br>30 d              | m Offset 2.5            | 2 dB 👄 R  | <b>BW</b> 100 kHz        | Mode S  | Sweep                 | mission              |   |  |
| Ref Leve<br>Att<br>SGL Count  | el 20.00 dBr<br>30 d              | m Offset 2.5            | 2 dB 👄 R  | <b>BW</b> 100 kHz        | Mode S  |                       | mission              | 2.401   | 7.73 dBm   |
| Ref Leve<br>Att<br>SGL Count  | el 20.00 dBr<br>30 d              | m Offset 2.5            | 2 dB 👄 R  | <b>BW</b> 100 kHz        | Mode s  | Sweep                 | mission              |   | 7.73 dBm<br>L9500的GHz<br>-43.88 <mark>\$</mark> Bm     |
| Ref Leve<br>Att<br>SGL Count  | el 20.00 dBr<br>30 d              | m Offset 2.5            | 2 dB 👄 R  | <b>BW</b> 100 kHz        | Mode s  | Sweep                 | mission              |   | 7.73 dBm<br>19500Ø1GHz                                 |
| Ref Leve<br>Att<br>SGL Count<br>1Pk Max<br>10 dBm   | el 20.00 dBr<br>30 d              | m Offset 2.5            | 2 dB 👄 R  | <b>BW</b> 100 kHz        | Mode s  | Sweep                 | mission              |   | 7.73 dBm<br>L950009GHz<br>-43.88 <mark>\$</mark> Bm    |
| Ref Leve<br>Att<br>SGL Count<br>1Pk Max   | el 20.00 dBr<br>30 d              | m Offset 2.5            | 2 dB 👄 R  | <b>BW</b> 100 kHz        | Mode s  | Sweep                 | mission              |   | 7.73 dBm<br>L950009GHz<br>-43.88 <mark>\$</mark> Bm    |
| Ref Leve<br>Att<br>SGL Count<br>1Pk Max<br>10 dBm   | el 20.00 dB;<br>30 d<br>t 100/100 | m Offset 2.5            | 2 dB 👄 R  | <b>BW</b> 100 kHz        | Mode s  | Sweep                 |                      |   | 7.73 dBm<br>L950009GHz<br>-43.88 <mark>\$</mark> Bm    |
| Ref Leve<br>Att<br>SGL Count<br>PIPK Max<br>10 dBm  | el 20.00 dB;<br>30 d<br>t 100/100 | m Offset 2.5            | 2 dB 👄 R  | <b>BW</b> 100 kHz        | Mode s  | Sweep                 |                      |   | 7.73 dBm<br>L9500的GHz<br>-43.88 <mark>\$</mark> Bm     |
| Ref Leve<br>Att<br>SGL Count<br>PIPK Max<br>10 dBm  | el 20.00 dB;<br>30 d<br>t 100/100 | m Offset 2.5            | 2 dB 👄 R  | <b>BW</b> 100 kHz        | Mode s  | Sweep                 |                      |   | 7.73 dBm<br>L9500的GHz<br>-43.88 <mark>\$</mark> Bm     |
| Ref Leve<br>Att<br>SGL Count<br>1Pk Max<br>10 dBm   | el 20.00 dB;<br>30 d<br>t 100/100 | m Offset 2.5            | 2 dB 👄 R  | <b>BW</b> 100 kHz        | Mode s  | Sweep                 |                      |   | 7.73 dBm<br>1950001GHz<br>-43.88 fBm<br>1000001 GHz    |
| Ref Leve           Att           SGL Count           ID dBm           0 dBm           -10 dBm           -20 dBm           -30 dBm           -40 dBm   | el 20.00 den<br>30 d<br>t 100/100 | m Offset 2.5<br>B SWT   | 2 dB  | BW 100 kHz               | Mode s  | Sweep<br>1[1]<br>2[1] |                      | 2.400   | 7.73 dBm<br>195009iGHz<br>-43.88 fBm<br>00000 GHz      |
| Ref Leve<br>Att<br>SGL Count<br>SGL Count<br>10 dBm   | el 20.00 den<br>30 d<br>t 100/100 | m Offset 2.5<br>B SWT   | 2 dB  | BW 100 kHz               | Mode s  | Sweep<br>1[1]<br>2[1] |                      | 2.400   | 7.73 dBm<br>1950001GHz<br>-43.88 fBm<br>000000 GHz     |
| Ref Leve<br>Att<br>SGL Count<br>SGL Count<br>10 dBm   | el 20.00 den<br>30 d<br>t 100/100 | m Offset 2.5<br>B SWT   | 2 dB  | BW 100 kHz               | Mode s  | Sweep<br>1[1]<br>2[1] |                      | 2.400   | 7.73 dBm<br>195009iGHz<br>-43.88 fBm<br>00000 GHz      |
| Ref Leve<br>Att<br>SGL Count<br>SGL Count<br>IO dBm<br>0 dBm<br>-10 dBm<br>-20 dBm<br>-20 dBm<br>-30 dBm<br>-40 dBm<br>-50 dBm  | el 20.00 den<br>30 d<br>t 100/100 | m Offset 2.5            | 2 dB  | BW 100 kHz               | Mode s  | Sweep<br>1[1]<br>2[1] |                      | 2.400   | 7.73 dBm<br>195009iGHz<br>-43.88 fBm<br>00000 GHz      |
| Ref Leve<br>Att<br>SGL Count<br>SGL Count<br>10 dBm   | el 20.00 den<br>30 d<br>t 100/100 | m Offset 2.5<br>B SWT   | 2 dB  | BW 100 kHz               | Mode s  | Sweep<br>1[1]<br>2[1] |                      | 2.400   | 7.73 dBm<br>195009iGHz<br>-43.88 fBm<br>00000 GHz      |
| Ref Leve           Att           SGL Count           IPk Max           10 dBm           0 dBm           -10 dBm           -20 dBm           -30 dBm           -40 dBm           -50 dBm   | D1 -13.27                         | m Offset 2.5<br>B SWT   | 2 dB  | BW 100 kHz<br>BW 300 kHz | Mode S<br>M<br>M:<br>M:   | Sweep<br>1[1]<br>2[1] |                      | 2.400   | 7.73 dBm<br>1950001GHz<br>-43.88 fBm<br>000000 GHz<br> |
| Ref Leve           Att           SGL Count           9 1Pk Max           10 dBm           0 dBm           -10 dBm           -20 dBm           -30 dBm           -30 dBm           -50 dBm           -70 dBm           Start 2.30           Marker   | el 20.00 dBr<br>30 d<br>t 100/100 | m Offset 2.5<br>B SWT   | 2 dB  | BW 100 kHz               | Mode S<br>M<br>M:<br>M:   | Sweep<br>1[1]<br>2[1] |                      | 2.400   | 7.73 dBm<br>195009iGHz<br>-43.88 fBm<br>00000 GHz      |
| Ref Leve           Att           SGL Count           9 IPk Max           10 dBm           0 dBm           -10 dBm           -20 dBm           -30 dBm           -30 dBm           -50 dBm           -70 dBm           Start 2.30           Marker           Type         Ref                                  | el 20.00 der<br>30 d<br>t 100/100 | m Offset 2.5.<br>B SWT  | 2 dB  R   | BW 100 kHz<br>BW 300 kHz | Mode S<br>M<br>M:<br>M:<br>M:<br>M:<br>M:<br>M:<br>M:<br>M:<br>M:<br>M:<br>M:<br>M:<br>M  | Sweep<br>1[1]<br>2[1] | للارم شرابالدر الدار | 2.400   | 7.73 dBm<br>1950001GHz<br>-43.88 fBm<br>000000 GHz     |
| Ref Leve           Att           SGL Count           SGL Count           10 dBm           0 dBm           -10 dBm           -20 dBm           -30 dBm           -30 dBm           -50 dBm           -50 dBm           -70 dBm           Start 2.30           Marker           Type Ref           M1           | el 20.00 den<br>30 d<br>100/100   | m Offset 2.5<br>B SWT : | 2 dB  | BW 100 kHz<br>BW 300 kHz | Mode S<br>M<br>M:<br>M:<br>M:<br>M:<br>M:<br>M:<br>M:<br>M:<br>M:<br>M:<br>M:<br>M:<br>M  | Sweep<br>1[1]<br>2[1] | للارم شرابالدر الدار | 2.400   | 7.73 dBm<br>1950001GHz<br>-43.88 fBm<br>000000 GHz     |
| Ref Leve           Att           SGL Count           9 IPk Max           10 dBm           0 dBm           -10 dBm           -20 dBm           -30 dBm           -30 dBm           -50 dBm           -70 dBm           Start 2.30           Marker           Type         Ref                                  | el 20.00 der<br>30 d<br>t 100/100 | m Offset 2.5<br>B SWT : | 2 dB<br>2 dB<br>1 ms<br>V<br>V<br>GHz<br>GHz<br>GHz | BW 100 kHz<br>BW 300 kHz | Mode S<br>M<br>M<br>M<br>interaction<br>M<br>M<br>M<br>M<br>M<br>M<br>M<br>M<br>M<br>M<br>M<br>M<br>M<br>M<br>M<br>M<br>M<br>M<br>M | Sweep<br>1[1]<br>2[1] | للارم شرابالدر الدار | 2.400   | 7.73 dBm<br>1950001GHz<br>-43.88 fBm<br>000000 GHz     |
| Ref Leve           Att           SGL Count           9 1Pk Max           10 dBm           0 dBm           -10 dBm           -20 dBm           -30 dBm           -30 dBm           -30 dBm           -50 dBm           -50 dBm           Stort 2.300           Marker           Type           M1           M2 | el 20.00 den<br>30 d<br>100/100   | m Offset 2.5.<br>B SWT  | 2 dB<br>2 dB<br>1 ms<br>V<br>V<br>GHz<br>GHz<br>GHz | BW 100 kHz<br>BW 300 kHz | Mode S<br>M<br>M<br>M<br>interaction<br>M<br>M<br>M<br>M<br>M<br>M<br>M<br>M<br>M<br>M<br>M<br>M<br>M<br>M<br>M<br>M<br>M<br>M<br>M | Sweep<br>1[1]<br>2[1] | للارم شرابالدر الدار | 2.400   | 7.73 dBm<br>1950001GHz<br>-43.88 fBm<br>000000 GHz     |
| Ref Leve           Att           SGL Count           SGL Count           IPk Max           10 dBm           -10 dBm           -10 dBm           -20 dBm           -30 dBm           -30 dBm           -50 dBm           -50 dBm           -70 dBm           Stort 2.30           M1           M2              | el 20.00 dBr<br>30 d<br>100/100   | m Offset 2.5.<br>B SWT  | 2 dB<br>2 dB<br>1 ms<br>V<br>V<br>GHz<br>GHz<br>GHz | BW 100 kHz<br>BW 300 kHz | Mode S<br>M<br>M<br>M<br>interaction<br>M<br>M<br>M<br>M<br>M<br>M<br>M<br>M<br>M<br>M<br>M<br>M<br>M<br>M<br>M<br>M<br>M<br>M<br>M | Sweep<br>1[1]<br>2[1] | للارم شرابالدر الدار | 2.400   | 7.79 dBm<br>1950001GHz<br>-43.88 fBm<br>000000 GHz     |

|   | Band Edge  | NVNT BLE 2M                                       | 2480IVIHZ Ant       | 1 Ref    |                               |  |
|---|--|---|---------------------|----------|-------------------------------|--|
| Spectrum  | 0  |   |                     |          |                               | B  |
| Ref Level 20.00 dE  | 3m Offset 2.55 dB e  | • RBW 100 kHz                                     |                     |          |                               | (×.  |
| <b>Att</b> 30   |  |   | Mode Sweep          |          |                               |  |
| SGL Count 100/100<br>Pk Max   |  |   |                     |          |                               |  |
| JPK Max   |  |   | M1[1]               |          | 7                             | .43 dBm  |
|   |  |   |                     |          |                               | 800 GHz  |
| 10 dBm  |  | X   |                     |          |                               |  |
|   |  | mon   | -~~                 |          |                               |  |
| 0 dBm   |  | N   | Mr.                 |          |                               |  |
| -10 dBm   |  | ~   | m                   |          |                               |  |
| 10 0.0111   |  |   | 1                   |          |                               |  |
| -20 dBm   |  |   | h                   |          |                               |  |
|   |  |   |                     |          |                               |  |
| -30 dBm   |  | _   | — <u> </u>          |          |                               |  |
|   | NY I   |   |                     | hang     |                               |  |
| -40 dBm   | کر ا   |   |                     | 4        |                               |  |
|   | andread  |   |                     | hus      |                               |  |
| -59 dBm   | and a second sec |   |                     |          | monner                        | mon  |
| -60 dBm   |  |   |                     |          |                               |  |
| -60 asm   |  |   |                     |          |                               |  |
| -70 dBm   |  |   |                     |          |                               |  |
| -70 0811  |  |   |                     |          |                               |  |
|   |  |   |                     |          |                               |  |
| CF 2.48 GHz   |  | 1001 pts  |                     |          | Span (                        | B.O MHZ  |
|   |  |   | Ready               |          | 1,71                          |  |
|   | Band Edge N  | /NT BLE 2M 24                                     | 180MHz Ant1 E       | Emission |                               |  |
| Spectrum  | 0  |   |                     |          |                               |  |
| · _   |  |   |                     |          |                               | <u> </u>   |
| Ref Level 20.00 de  | am Offset 2.55 dB  | RBW 100 kHz                                       |                     |          |                               |  |
| Ref Level 20.00 de<br>Att 30  |  |   | Mode Sweep          |          |                               | (▽   |
| Att 30 SGL Count 100/100  |  |   | Mode Sweep          |          |                               |  |
| Att 30  |  |   |                     |          |                               |  |
| Att 30     SGL Count 100/100     IPk Max  |  |   | Mode Sweep<br>M1[1] |          |                               | .24 dBm<br>6000 GHz  |
| Att 30 SGL Count 100/100  |  |   |                     |          | 2.47995<br>-51                | 1.24 dBm<br>i000 GHz<br>69 dBm   |
| Att 30     SGL Count 100/100     IPk Max  |  |   | M1[1]               |          | 2.47995<br>-51                | 1.24 dBm<br>6000 GHz   |
| Att         30           SGL Count 100/100         10k Max           ID dem         0           0 dam         0   |  |   | M1[1]               |          | 2.47995<br>-51                | 1.24 dBm<br>i000 GHz<br>69 dBm   |
| Att 30<br>SGL Count 100/100<br>1Pk Max<br>10 dBm  | dB SWT 1 ms @  |   | M1[1]               |          | 2.47995<br>-51                | 1.24 dBm<br>i000 GHz<br>69 dBm   |
| Att         30           SGL Count 100/100         10k Max           10 dBm         0 dBm           00 dBm         10 dBm   | dB SWT 1 ms @  |   | M1[1]               |          | 2.47995<br>-51                | 1.24 dBm<br>i000 GHz<br>69 dBm   |
| Att         30           SGL Count 100/100         10k Max           10 dBm         0           -10 dBm         01  | dB SWT 1 ms @  |   | M1[1]               |          | 2.47995<br>-51                | 1.24 dBm<br>i000 GHz<br>69 dBm   |
| Att         30           SGL Count 100/100         10k Max           ID dBm         0           0 dBm         01 -12.57           -20 dBm         -12.57  | dB SWT 1 ms @  |   | M1[1]               |          | 2.47995<br>-51                | 1.24 dBm<br>i000 GHz<br>69 dBm   |
| Att         30           SGL Count 100/100         10k Max           ID dBm         0           0 dBm         01 -12.57           -20 dBm         01 -12.57           -30 dBm         -10 dBm   | dB SWT 1 ms @  |   | M1[1]               |          | 2.47995<br>-51                | 1.24 dBm<br>i000 GHz<br>69 dBm   |
| Att         30           SGL Count 100/100         100/100           IPk Max         0           10 dBm         0           -10 dBm         01 -12.57           -20 dBm   | dB SWT 1 ms  | • VBW 300 kHz                                     | M1[1]<br>M2[1]      |          | 2.47995<br>-53<br>2.48350     | 1.24 dBm<br>6000 GHz<br>69 dBm<br>1000 GHz   |
| Att 30<br>SGL Count 100/100<br>9 IPk Max<br>10 dBm<br>0 dBm<br>-10 dBm<br>-20 dBm<br>-30 dSm<br>-40 dBm<br>-40 dBm  | dB SWT 1 ms  | • VBW 300 kHz                                     | M1[1]<br>M2[1]      |          | 2.47995<br>-53<br>2.48350     | 1.24 dBm<br>6000 GHz<br>69 dBm<br>1000 GHz   |
| Att 30<br>SGL Count 100/100<br>9 IPk Max<br>10 dBm<br>0 dBm<br>-10 dBm<br>-20 dBm<br>-30 dSm<br>-40 dBm<br>-40 dBm  | dB SWT 1 ms  | • VBW 300 kHz                                     | M1[1]<br>M2[1]      |          | 2.47995<br>-53<br>2.48350     | 1.24 dBm<br>6000 GHz<br>69 dBm<br>1000 GHz   |
| Att         30           SGL Count 100/100         100/100           IPk Max         0           10 dBm         0           -10 dBm         01 -12.57           -20 dBm   | dB SWT 1 ms @  | • VBW 300 kHz                                     | M1[1]<br>M2[1]      |          | 2.47995<br>-53<br>2.48350     | 1.24 dBm<br>6000 GHz<br>69 dBm<br>1000 GHz   |
| Att         30           SGL Count 100/100         100/100           IPk Max         10 dBm           0 dBm         0           -10 dBm         01 -12.57           -20 dBm         -30 dBm           -30 dBm         -30 dBm           -60 dBm         -60 dBm   | dB SWT 1 ms  | • VBW 300 kHz                                     | M1[1]<br>M2[1]      |          | 2.47995<br>-53<br>2.48350     | 1.24 dBm<br>6000 GHz<br>69 dBm<br>1000 GHz   |
| Att         30           SGL Count 100/100         100/100           IPk Max         10 dBm           0 dBm         0           -10 dBm         01 -12.57           -20 dBm         -30 dBm           -30 dBm         -30 dBm           -60 dBm         -60 dBm   | dB SWT 1 ms  | • VBW 300 kHz                                     | M1[1]<br>M2[1]      |          | 2.47995<br>-53<br>2.48350     | 1.24 dBm<br>6000 GHz<br>.69 dBm<br>1000 GHz<br>און אונו (און און און און און און און און און און |
| Att 30<br>SGL Count 100/100<br>9 IPk Max<br>10 dBm<br>-10 dBm<br>-10 dBm<br>-10 dBm<br>-10 dBm<br>-30 dSm<br>-30 dSm<br>-70 dBm<br>-70 dBm<br>-70 dBm<br>-70 dBm<br>-70 dBm<br>-70 dBm  | dB SWT 1 ms  | • VBW 300 kHz                                     | M1[1]<br>M2[1]      |          | 2.47995<br>-51<br>2.48350<br> | 1.24 dBm<br>6000 GHz<br>.69 dBm<br>1000 GHz<br>און אונו (און און און און און און און און און און |
| Att         30           SGL Count 100/100         SGL Count 100/100           IPk Max         0           ID dBm         0           -10 dBm         D1 -12.57           -20 dBm         -10.57           -20 dBm         -10.57           -30 dBm         -10.57           -50 dBm         -10.57           -50 dBm         -70.08           -70 dBm         -70.08           Start 2.476 GHz           Marker         Type           Type         Ref         Trc  | dB SWT 1 ms  | • VBW 300 kHz                                     | M1[1]<br>M2[1]      |          | 2:47995<br>-53<br>2:48350<br> | 1.24 dBm<br>6000 GHz<br>.69 dBm<br>1000 GHz<br>און אונו (און און און און און און און און און און |
| Att 30<br>SGL Count 100/100<br>9 IPk Max<br>10 dBm<br>-10 dBm<br>-10 dBm<br>-10 dBm<br>-10 dBm<br>-30 dSm<br>-30 dSm<br>-70 dBm<br>-70 dBm<br>-70 dBm<br>-70 dBm<br>-70 dBm<br>-70 dBm  | dB SWT 1 ms  | • VBW 300 kHz                                     | M1[1]<br>M2[1]      |          | 2.47995<br>-51<br>2.48350<br> | 1.24 dBm<br>6000 GHz<br>.69 dBm<br>1000 GHz<br>און אונו (און און און און און און און און און און |
| Att         30           SGL Count 100/100         IPk Max           ID dBm         0           0 dBm         01 -12.57           -20 dBm         01 -12.57           -30 dBm         -1.12.57           -30 dBm         -1.2.57           -50 dBm         -1.2.57           -50 dBm         -1.2.57           -50 dBm         -1.2.57           -50 dBm         -1.2.57           -70 dBm         -1.2.57           Start 2.476 GHz         -1.2.57           Marker         Trc           Mype         Ref         Trc           M1         1         1 | dB SWT 1 ms  | vBW 300 kHz                                       | M1[1]<br>M2[1]      |          | 2.47995<br>-51<br>2.48350<br> | 1.24 dBm<br>6000 GHz<br>.69 dBm<br>1000 GHz<br>און אונו (און און און און און און און און און און |
| Att         30           SGL Count 100/100         SGL Count 100/100           IPk Max         0           ID dBm         0           -10 dBm         01 -12.57           -20 dBm   | dB SWT 1 ms  | VBW 300 kHz      //////////////////////////////// | M1[1]<br>M2[1]      |          | 2.47995<br>-51<br>2.48350<br> | 1.24 dBm<br>6000 GHz<br>.69 dBm<br>1000 GHz<br>און אונו (און און און און און און און און און און |
| Att         30           SGL Count 100/100         SGL Count 100/100           IPk Max         Image: Count 100/100           ID dBm         0           0 dBm         0           -10 dBm         D1 -12.57           -20 dBm         -01 -12.57           -30 dBm         -01 -12.57           -20 dBm         -01 -12.57           -30 dBm         -01 -12.57           -70 dBm         -01 -12.57           -70 dBm         -01 -12.57           Start 2.476 GHz  | dB SWT 1 ms  | VBW 300 kHz      //////////////////////////////// | M1[1]<br>M2[1]      |          | 2.47995<br>-51<br>2.48350<br> | 1.24 dBm<br>6000 GHz<br>.69 dBm<br>1000 GHz<br>און אונו (און און און און און און און און און און |

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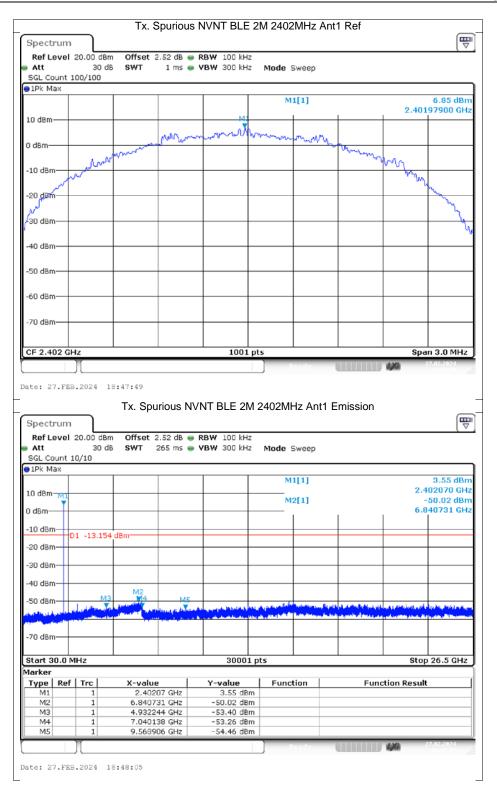
#### Condition Mode Frequency (MHz) Antenna Max Value (dBc) Limit (dBc) Verdict NVNT BLE 1M 2402 Ant1 -56.66 -20 Pass NVNT BLE 1M 2440 Ant1 -58.01 -20 Pass NVNT BLE 1M 2480 Ant1 -58.46 -20 Pass NVNT BLE 2M 2402 Ant1 -56.87 -20 Pass NVNT BLE 2M 2440 Ant1 -20 -56.37 Pass NVNT BLE 2M 2480 Ant1 -57.59 -20 Pass

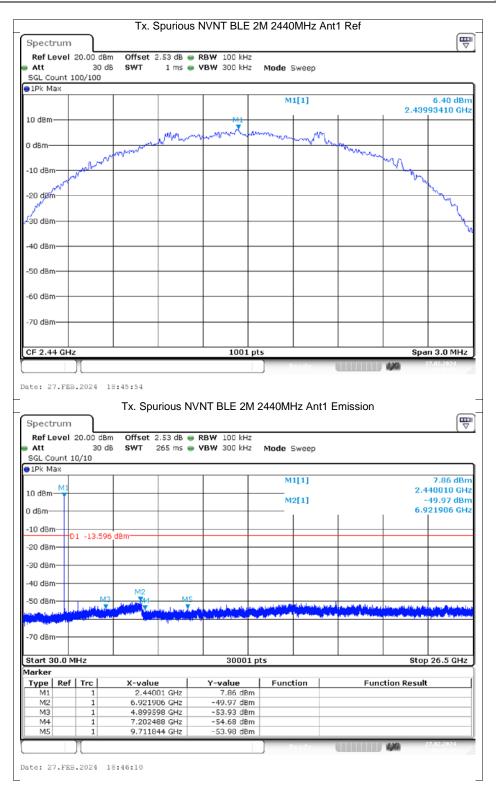
# **Conducted RF Spurious Emission**



|   | Tx. Spurious  | NVNI BLE 1M  | Z440IVII IZ AI                    |          |          | _  |
|---|---|--|-----------------------------------|----------|----------|--|
| Spectrum  |   |  |                                   |          |          | l  |
| Ref Level 20.00 dB  |   |  |                                   |          |          |  |
| Att 30 d<br>SGL Count 100/100   | IB SWT 1 ms 🥃   | VBW 300 kHz M  | lode Sweep                        |          |          |  |
| 1Pk Max   |   |  |                                   |          |          |  |
|   |   |  | M1[1]                             |          |          | 7.88 dBn   |
| 10 40 m   | M1  |  | 1                                 | 1        | 2.43     | 974980 GH:   |
| 10 dBm  | m   |  | man                               |          |          |  |
| 0 dBm   | - Andrew Color  |  |                                   | mon      |          |  |
| - www   |   |  |                                   | - and    | mm       |  |
| -10 dBm   |   |  |                                   |          | - man    |  |
| الممسو  |   |  |                                   |          |          | The second   |
| 20 dBm  |   |  |                                   |          |          | - mar  |
|   |   |  |                                   |          |          | I .  |
| -30 dBm   |   |  |                                   |          |          |  |
|   |   |  |                                   |          |          |  |
| -40 dBm   |   |  |                                   |          |          |  |
| 50 40-0   |   |  |                                   |          |          |  |
| -50 d8m   |   |  |                                   |          |          |  |
| -60 dBm   |   |  |                                   |          |          |  |
|   |   |  |                                   |          |          |  |
| -70 d8m   |   |  |                                   |          |          |  |
|   |   |  |                                   |          |          |  |
| CF 2.44 GHz   |   |  |                                   |          |          |  |
|   |   | 1001 pts   |                                   |          | spa      | an 1.5 MHz   |
| te: 27.FEB.2024 1   | 18:39:50<br>Tx. Spurious N\   | /NT BLE 1M 24  | Pendy<br>40MHz Ant1               | Emission | 6,68     | Ē  |
| ate: 27.FEB.2024 1  | Tx. Spurious N\   |  | Ready<br>40MHz Ant1               | Emission | - Land   |  |
| Spectrum<br>Ref Level 20.00 dBi<br>Att 30 d   | Tx. Spurious N  | <b>RBW</b> 100 kHz   | Ready<br>40MHz Ant1<br>Iode Sweep | Emission | 604      |  |
| Spectrum<br>Ref Level 20.00 dBi<br>Att 30 d<br>SGL Count 10/10  | Tx. Spurious N  | <b>RBW</b> 100 kHz   |                                   | Emission | i i june | (The second seco |
| Spectrum<br>Ref Level 20.00 dBi<br>Att 30 d<br>SGL Count 10/10  | Tx. Spurious N  | <b>RBW</b> 100 kHz   | lode Sweep                        | Emission |          |  |
| Spectrum<br>Ref Level 20.00 dB/<br>Att 30 d<br>SGL Count 10/10<br>1Pk Max   | Tx. Spurious N  | <b>RBW</b> 100 kHz   | Node Sweep                        | Emission |          | 6.64 dBr<br>140010 GH  |
| Spectrum<br>Ref Level 20.00 dB/<br>Att 30 d<br>SGL Count 10/10<br>PIPK Max<br>10 dBm M1   | Tx. Spurious N  | <b>RBW</b> 100 kHz   | lode Sweep                        | Emission |          | 6.64 dBr<br>140010 GH<br>-50.13 dBr  |
| Spectrum<br>Ref Level 20.00 dBd<br>Att 30 d<br>SGL Count 10/10<br>1Pk Max<br>10 dBm   | Tx. Spurious NV<br>m Offset 2.53 dB •<br>B SWT 265 ms •   | <b>RBW</b> 100 kHz   | Node Sweep                        | Emission |          | 6.64 dBr<br>140010 GH<br>-50.13 dBr  |
| Spectrum<br>Ref Level 20.00 dBd<br>Att 30 d<br>SGL Count 10/10<br>1Pk Max<br>10 dBm   | Tx. Spurious NV<br>m Offset 2.53 dB •<br>B SWT 265 ms •   | <b>RBW</b> 100 kHz   | Node Sweep                        | Emission |          | 6.64 dBr<br>140010 GH<br>-50.13 dBr  |
| Spectrum           Ref Level 20.00 dBi           Att 30 d           SGL Count 10/10           PIPk Max           10 dBm           -10 dBm           01 -12.110  | Tx. Spurious NV<br>m Offset 2.53 dB •<br>B SWT 265 ms •   | <b>RBW</b> 100 kHz   | Node Sweep                        | Emission |          | 6.64 dBr<br>140010 GH<br>-50.13 dBr  |
| Ate:         27.FEB.2024         3           Spectrum         Ref Level         20.00 dBi           Att         30 d         30 d           SGL Count         10/10         10 dBm           10 dBm         D1         -12.111           -20 dBm         D1         -12.111   | Tx. Spurious NV<br>m Offset 2.53 dB •<br>B SWT 265 ms •   | <b>RBW</b> 100 kHz   | Node Sweep                        | Emission |          | 6.64 dBr<br>140010 GH<br>-50.13 dBr  |
| Atte:         27.FEB.2024         1           Spectrum  | Tx. Spurious NV<br>m Offset 2.53 dB •<br>B SWT 265 ms •   | <b>RBW</b> 100 kHz   | Node Sweep                        | Emission |          | 6.64 dBr<br>140010 GH<br>-50.13 dBr  |
| Atte:     27.FEB.2024     1       Spectrum  | Tx. Spurious NV   | <b>RBW</b> 100 kHz   | Node Sweep                        | Emission |          | 6.64 dBn<br>140010 GH<br>-50.13 dBn  |
| ate:     27.FEB.2024       Spectrum       Ref Level       20.00 dBi       Att       30 d       SGL Count       10 dBm       10 dBm       -10 dBm       01 -12.110       -20 dBm       -30 dBm   | Tx. Spurious NV   | <b>RBW</b> 100 kHz   | Node Sweep                        | Emission |          | 6.64 dBn<br>140010 GH<br>-50.13 dBn  |
| ate:     27.FEB.2024       Spectrum       Ref Level       20.00 dBi       Att       30 d       SGL Count       10 dBm       10 dBm       -10 dBm       01 -12.110       -20 dBm       -30 dBm   | Tx. Spurious NV   | RBW 100 kHz M  | Node Sweep                        |          | 6.       | 6.64 dBn<br>140010 GH<br>-50.13 dBn  |
| Ate:         27.FEB.2024         3           Spectrum         Ref Level         20.00 dBi           Att         30 dBi         30 dBi           Att         30 dBin         01 -12.111           -20 dBin         -01 -01 -12.111         -30 dBin           -30 dBin         -40 dBin         -10 dBin   | Tx. Spurious NV   | RBW 100 kHz M  | Iode Sweep                        |          | 6.       | 6.64 dBn<br>140010 GH<br>-50.13 dBn  |
| Ate:         27.FEB.2024         3           Spectrum         Ref Level 20.00 dBi         Att         30 dBi           Att         30 dBi         Att         30 dBi           10 dBm         01 -12.111         -10 dBm         -10 dBm           -30 dBm         -30 dBm         -40 dBm         Mi   | Tx. Spurious NV   | RBW 100 kHz M  | Iode Sweep                        |          | 6.       | 6.64 dBn<br>140010 GH<br>-50.13 dBn  |
| Ate:         27.FEB.2024         3           Spectrum         Ref Level         20.00 dBi           Att         30 d         30 d           SGL Count 10/10         PIPk Max         10 dBm           10 dBm         D1 -12.11i           -20 dBm         -01 -12.11i           -30 dBm         -10 dBm           -40 dBm         -11 -12.11i           -70 dBm         -70 dBm   | Tx. Spurious NV   | RBW         100 kHz         M           VBW         300 kHz         M  | Iode Sweep                        |          |          | 6.64 dBr<br>140010 GH<br>-50.13 dBr<br>711028 GH   |
| Atte: 27.FEB.2024 3<br>Spectrum<br>Ref Level 20.00 dBi<br>Att 30 d<br>SGL Count 10/10<br>1Pk Max<br>10 dBm 01 -12.11<br>-20 dBm 01 -12.11<br>-20 dBm  | Tx. Spurious NV   | RBW 100 kHz M  | Iode Sweep                        |          |          | 6.64 dBn<br>140010 GH<br>-50.13 dBn<br>711028 GH   |
| Ate:     27.FEB.2024       Spectrum       Ref Level     20.00 dBi       Att     30 d       SQL Count     10/10       1Pk Max       10 dBm     01 -12.111       -20 dBm     01 -12.111       -30 dBm     -10 dBm       -50 dBm     -10 dBm       -70 dBm     -10 dBm       -70 dBm     -10 dBm       Start     30.0 MHz       Aarker     -70 Ref   | Tx. Spurious NV<br>m Offset 2.53 dB •<br>B SWT 265 ms •<br>8 dBm<br>3 M2<br>4 m ctor<br>x-value                     | RBW         100         kHz         M           VBW         300         kHz         M           Image: I                  | Iode Sweep                        |          |          | 6.64 dBn<br>140010 GH<br>-50.13 dBn<br>711028 GH   |
| ate:       27.FEB.2024       3         Ref Level       20.00 dBi         Att       30 d         Sgc Count       10/10         1Pk Max       10 dBm         10 dBm       D1         -10 dBm       D1         -20 dBm   | Tx. Spurious NV<br>m Offset 2.53 dB •<br>B SWT 265 ms •<br>8 dBm<br>3 M2<br>4 m H H H H H H H H H H H H H H H H H H | RBW         100         kHz         M           VBW         300         kHz         M           Image: Second s                  | Iode Sweep                        |          | 6.       | 6.64 dBn<br>140010 GH<br>-50.13 dBn<br>711028 GH   |
| Ate:         27.FEB.2024         3           Spectrum         30 d         36           Att         30 d         30 d           Spectrum         10 dBm         01 -12.11           -10 dBm         01 -12.11         -20 dBm           -30 dBm         -01 -12.11           -20 dBm         -01 -12.11           -30 dBm         -01 -12.11           -20 dBm         -01 -12.11           -20 dBm         -01 -12.11           -20 dBm         -01 -12.11           -30 dBm         -01 -12.11           -20 dBm         -10 -12.11           -30 dBm         -10 -12.11           -20 dBm         -11 -12.11           -20 dBm         -11 -12.11           -20 dBm         -11 -12.11           -30 dBm         -11 -12.11           -50 dBm         -11 -12.11           -70 dBm         -11 -12.11           -70 dBm         -11 -12.11           -70 dBm         -11 -12.11           -70 dBm         -11 -12.11 | X-value         M2           X-value         2.44001 GHz           6.711028 GHz         4.971949 GHz                | RBW         100 kHz         M           VBW         300 kHz         M           Image: Second | Iode Sweep                        |          | 6.       | 6.64 dBn<br>140010 GH<br>-50.13 dBn<br>711028 GH   |
| Atte:       27.FEB.2024       3         Ref Level       20.00 dBi         Att       30 d         SGL Count       10/10         PIPk Max       30 d         10 dBm       01 -12.11         -20 dBm       01 -12.11         -30 dBm       01 -12.11         -30 dBm       -10 dBm         -40 dBm       -10 -12.11         -70 dBm       -11 -12.11         -71 -12.11       -11 -12.11         -71 -12.11       -11 -12.11         -71 -12.11       -11 -12.11   | X-value         M2           X-value         2.44001 GHz           6.711028 GHz         4.971949 GHz                | RBW         100         kHz         M           VBW         300         kHz         M           Image: I                  | Iode Sweep                        |          | 6.       | 6.64 dBn<br>140010 GH<br>-50.13 dBn<br>711028 GH   |
| Ate:         27.FEB.2024         3           Spectrum         Ref Level 20.00 dBd         30 dBd           Att         30 d         30 dBm           10 dBm         01 -12.110           20 dBm         01 -12.110           -10 dBm         01 -12.110           -20 dBm         -01 -12.110           -30 dBm         -01 -12.110           -50 dBm         -01 -12.110           -50 dBm         -01 -12.110           -50 dBm         -10 dBm           -70 dBm         -10 dBm           -70 dBm         -11 dBm   | X-value         M2           X-value         2.44001 GHz           6.711028 GHz         4.971949 GHz                | RBW         100 kHz         M           VBW         300 kHz         M           Image: Second | Iode Sweep                        |          | 6.       |  |

|  | Tx. Spurious  | NVNT BLE 1M   |                                       |          |       | _   |
|--|---|---|---------------------------------------|----------|-------|---|
| Spectrum   |   |   |                                       |          |       | [₩  |
| Ref Level 20.00 dBr  |   |   |                                       |          |       |   |
| Att 30 d<br>SGL Count 100/100  | IB SWT 1 ms 🥃   | VBW 300 kHz M   | 1ode Sweep                            |          |       |   |
| 1Pk Max  |   |   |                                       |          |       |   |
|  |   |   | M1[1]                                 |          |       | 8.31 dBm  |
|  | M1  |   |                                       |          | 2.479 | 973630 GHz  |
| 10 dBm   | and the second  |   | man and                               |          |       |   |
|  |   |   |                                       | how      |       |   |
| 0 dBm  |   |   |                                       |          | m     |   |
| -10 dBm  |   |   |                                       |          | m     |   |
|  |   |   |                                       |          |       | 1.  |
| 20 dBm   |   |   |                                       |          |       | - m   |
|  |   |   |                                       |          |       | 640   |
| -30 dBm  |   |   |                                       |          |       | ļ   |
|  |   |   |                                       |          |       |   |
| -40 d8m  |   |   |                                       |          |       |   |
|  |   |   |                                       |          |       |   |
| -50 d8m  |   | + +   |                                       |          |       |   |
|  |   |   |                                       |          |       |   |
| -60 dBm  | +   |   |                                       | 1        |       |   |
|  |   |   |                                       |          |       |   |
| -70 dBm  |   |   |                                       |          |       |   |
|  |   |   |                                       |          |       |   |
| CF 2.48 GHz  |   | 1001 pts  | · · · · · · · · · · · · · · · · · · · |          | Spa   | in 1.5 MHz  |
| ate: 27.FEB.2024 1   | Tx. Spurious N  | VNT BLE 1M 24   | Ready<br>180MHz Ant1                  | Emission |       | (III)   |
| ate: 27.FEB.2024 1 Spectrum Ref Level 20.00 dBr  | Tx. Spurious N  | RBW 100 kHz   |                                       | Emission |       | (<br>T  |
| Spectrum<br>Ref Level 20.00 dBr<br>Att 30 d  | Tx. Spurious N  | RBW 100 kHz   | Rooth<br>180MHz Ant1<br>10de Sweep    | Emission |       | (E  |
| ate: 27.FEB.2024 1 Spectrum Ref Level 20.00 dBr  | Tx. Spurious N  | RBW 100 kHz   |                                       | Emission |       | Ţ   |
| Spectrum<br>Ref Level 20.00 dBr<br>Att 30 d<br>SGL Count 10/10<br>1Pk Max  | Tx. Spurious N  | RBW 100 kHz   |                                       | Emission |       | 7.25 dBn  |
| Spectrum<br>Ref Level 20.00 dBr<br>Att 30 d<br>SGL Count 10/10   | Tx. Spurious N  | RBW 100 kHz   | M1[1]                                 | Emission |       | 7.25 dBn<br>179720 GH:                            |
| Spectrum<br>Ref Level 20.00 dBr<br>Att 30 d<br>SGL Count 10/10<br>PIPk Max<br>10 dBm   | Tx. Spurious N  | RBW 100 kHz   | <b>1ode</b> Sweep                     | Emission |       | 7.25 dBn<br>179720 GH:<br>-50.15 dBn              |
| Ate: 27.FEB.2024 1 Spectrum Ref Level 20.00 dBr Att 30 d SGL Count 10/10 1Pk Max 10 dBm 0 dBm  | Tx. Spurious NV<br>m Offset 2.55 dB •<br>B SWT 265 ms •   | RBW 100 kHz   | M1[1]                                 | Emission |       | 7.25 dBn<br>179720 GH:<br>-50.15 dBn              |
| Ate: 27.FEB.2024 1 Spectrum Ref Level 20.00 dBr Att 30 d SGL Count 10/10 1Pk Max 10 dBm 0 dBm  | Tx. Spurious NV<br>m Offset 2.55 dB •<br>B SWT 265 ms •   | RBW 100 kHz   | M1[1]                                 | Emission |       | 7.25 dBn<br>179720 GH:<br>-50.15 dBn              |
| Spectrum<br>Ref Level 20.00 dBr<br>Att 30 d<br>SGL Count 10/10<br>1Pk Max  | Tx. Spurious NV<br>m Offset 2.55 dB •<br>B SWT 265 ms •   | RBW 100 kHz   | M1[1]                                 | Emission |       | 7.25 dBn<br>179720 GH:<br>-50.15 dBn              |
| Atte: 27.FEB.2024 J<br>Spectrum<br>Ref Level 20.00 dBr<br>Att 30 d<br>SGL Count 10/10<br>PIPk Max<br>10 dBm<br>-10 dBm<br>D1 -11.689   | Tx. Spurious NV<br>m Offset 2.55 dB •<br>B SWT 265 ms •   | RBW 100 kHz   | M1[1]                                 | Emission |       | 7.25 dBn<br>179720 GH:<br>-50.15 dBn              |
| Spectrum<br>Ref Level 20.00 dBr<br>Att 30 d<br>SGL Count 10/10<br>1Pk Max<br>10 dBm<br>-10 dBm<br>-10 dBm<br>-30 dBm<br>-30 dBm  | Tx. Spurious NV<br>m Offset 2.55 dB •<br>B SWT 265 ms •   | RBW 100 kHz   | M1[1]                                 | Emission |       | 7.25 dBm<br>179720 GHz<br>-50.15 dBm              |
| Atte: 27.FEB.2024 1<br>Spectrum<br>Ref Level 20.00 dBr<br>Att 30 d<br>SGL Count 10/10<br>1Pk Max<br>10 dBm<br>-10 dBm<br>-10 dBm<br>-10 dBm<br>-10 dBm<br>-10 dBm<br>-10 dBm<br>-10 dBm<br>-30 dBm   | Tx. Spurious NV<br>m Offset 2.55 dB •<br>B SWT 265 ms •   | RBW 100 kHz   | M1[1]                                 | Emission |       | 7.25 dBm<br>179720 GHz<br>-50.15 dBm              |
| Spectrum<br>Ref Level 20.00 dBr<br>Att 30 d<br>SGL Count 10/10<br>1Pk Max<br>10 dBm<br>-10 dBm<br>-10 dBm<br>-30 dBm<br>-30 dBm  | Tx. Spurious NV<br>m Offset 2.55 dB •<br>B SWT 265 ms •<br>9 dBm  | RBW 100 kHz<br>VBW 300 kHz  | M1[1]                                 | Emission |       | 7.25 dBn<br>179720 GH:<br>-50.15 dBn              |
| Atte: 27.FEB.2024 1<br>Spectrum<br>Ref Level 20.00 dBr<br>Att 30 d<br>SGL Count 10/10<br>1Pk Max<br>10 dBm<br>-10 dBm<br>-10 dBm<br>-10 dBm<br>-10 dBm<br>-10 dBm<br>-10 dBm<br>-10 dBm<br>-30 dBm   | Tx. Spurious NV<br>m Offset 2.55 dB •<br>B SWT 265 ms •<br>9 dBm  | RBW 100 kHz<br>VBW 300 kHz  | M1[1]                                 |          |       | 7.25 dBn<br>179720 GH:<br>-50.15 dBn              |
| Spectrum Ref Level 20.00 dBa Att 30 d SGL Count 10/10 IPk Max 10 dBm -10 dBm -10 dBm -30 dBm -50 dBm -   | Tx. Spurious NV<br>m Offset 2.55 dB •<br>B SWT 265 ms •<br>9 dBm  | RBW 100 kHz<br>VBW 300 kHz  | M1[1]<br>M2[1]<br>M2[1]               |          |       | 7.25 dBn<br>179720 GH:<br>-50.15 dBn              |
| Atte: 27.FEB.2024 1<br>Spectrum<br>Ref Level 20.00 dBr<br>Att 30 d<br>SGL Count 10/10<br>1Pk Max<br>10 dBm<br>-10 dBm<br>-10 dBm<br>-10 dBm<br>-10 dBm<br>-10 dBm<br>-10 dBm<br>-10 dBm<br>-30 dBm   | Tx. Spurious NV<br>m Offset 2.55 dB •<br>B SWT 265 ms •<br>9 dBm  | RBW 100 kHz<br>VBW 300 kHz  | M1[1]<br>M2[1]<br>M2[1]               |          |       | 7.25 dBn<br>179720 GH:<br>-50.15 dBn              |
| Spectrum Ref Level 20.00 dBr Att 30 d SGL Count 10/10 IPk Max 10 dBm -10 dBm -10 dBm -30 dBm -50 dBm -   | Tx. Spurious NV<br>m Offset 2.55 dB •<br>B SWT 265 ms •<br>9 dBm  | RBW 100 kHz<br>VBW 300 kHz  | 10de Sweep<br>M1[1]<br>N2[1]<br>      |          | 6.1   | 7.25 dBn<br>179720 GH:<br>-50.15 dBn              |
| Atte: 27.FEB.2024 J Spectrum Ref Level 20.00 dBr Att 30 d SGL Count 10/10 Pik Max 10 dBm 10 dBm 10 dBm 10 dBm -10 dBm -10 dBm -30 dBm -30 dBm -40 dBm -40 dBm -50 dBm -70 dBm  | Tx. Spurious NV<br>m Offset 2.55 dB •<br>B SWT 265 ms •<br>9 dBm<br>9 dBm<br>40 M2 M4<br>10 M2 M4<br>10 M2 M4<br>10 M2 M4   | RBW 100 kHz VBW 300 kHz N   | M1[1]<br>M2[1]<br>M2[1]               |          | 6.4   | 7.25 dBn<br>179720 GH:<br>50.15 dBn<br>389259 GH: |
| Ate:       27.FEB.2024       1         Spectrum       30 d         Ref Level       20.00 dBr         Att       30 d         SGL Count       10/10         1Pk Max       10 dBm         10 dBm       01 -11.680         -20 dBm       -30 dBm         -50 dBm       -70 dBm         -70 dBm       -70 dBm         Start       30.0 MHz         Aarker       Type         Type       Ref       Trc   | Tx. Spurious NV<br>m Offset 2.55 dB B<br>B SWT 265 ms P<br>9 dBm<br>9 dBm<br>4 M2<br>M2 M4<br>N M4<br>N M2<br>X-value       | RBW         100 kHz           VBW         300 kHz   | 10de Sweep<br>M1[1]<br>N2[1]<br>      |          | 6.1   | 7.25 dBn<br>179720 GH:<br>50.15 dBn<br>389259 GH: |
| Atte: 27.FEB.2024 J Spectrum Ref Level 20.00 dBr Att 30 d SGL Count 10/10 Pik Max 10 dBm 10 dBm 10 dBm 10 dBm -10 dBm -10 dBm -30 dBm -30 dBm -40 dBm -40 dBm -50 dBm -70 dBm  | Tx. Spurious NV<br>m Offset 2.55 dB •<br>B SWT 265 ms •<br>9 dBm<br>9 dBm<br>40 M2 M4<br>10 M2 M4<br>10 M2 M4<br>10 M2 M4   | RBW 100 kHz VBW 300 kHz N   | M1[1]<br>M2[1]<br>M2[1]               |          | 6.4   | 7.25 dBn<br>F79720 GH:<br>50.15 dBn<br>889259 GH: |
| Atte:     27.FEB.2024     1       Spectrum     30 dBm       Att     30 dBm       10 dBm     01 -11.680       -10 dBm     01 -11.680       -30 dBm     -01 -11.680       -50 dBm     -01 -11.680       -50 dBm     -01 -11.680       -70 dBm <t< td=""><td>X-value         Altornal           X-value         2.47972 GHz           6.889259 GHz         5.155474 GHz</td><td>RBW         100 kHz           VBW         300 kHz           Image: second sec</td><td>M1[1]<br/>M2[1]<br/>M2[1]</td><td></td><td>6.4</td><td>7.25 dBm<br/>F79720 GHz<br/>50.15 dBm<br/>889259 GHz</td></t<> | X-value         Altornal           X-value         2.47972 GHz           6.889259 GHz         5.155474 GHz                  | RBW         100 kHz           VBW         300 kHz           Image: second sec | M1[1]<br>M2[1]<br>M2[1]               |          | 6.4   | 7.25 dBm<br>F79720 GHz<br>50.15 dBm<br>889259 GHz |
| Atte:     27.FEB.2024     1       Ref Level     20.00 dBn       Att     30 d       SGL Count     10/10       IPk Max       10 dBm     01 -11.680       -20 dBm   | Tx. Spurious NV<br>m Offset 2.55 dB •<br>B SWT 265 ms •<br>9 dBm<br>9 dBm<br>9 dBm<br>1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | RBW         100 kHz         M           VBW         300 kHz         M   | M1[1]<br>M2[1]<br>M2[1]               |          | 6.4   | 7.25 dBn<br>F79720 GH:<br>50.15 dBn<br>889259 GH: |
| Atte:     27.FEB.2024     1       Spectrum     30 dBm       Att     30 dBm       10 dBm     01 -11.680       -10 dBm     01 -11.680       -30 dBm     -01 -11.680       -50 dBm     -01 -11.680       -50 dBm     -01 -11.680       -70 dBm <t< td=""><td>X-value         Altornal           X-value         2.47972 GHz           6.889259 GHz         5.155474 GHz</td><td>RBW         100 kHz           VBW         300 kHz           Image: second sec</td><td>M1[1]<br/>M2[1]<br/>M2[1]</td><td></td><td>6.1</td><td>7.25 dBn<br/>F79720 GH:<br/>50.15 dBn<br/>889259 GH:</td></t<> | X-value         Altornal           X-value         2.47972 GHz           6.889259 GHz         5.155474 GHz                  | RBW         100 kHz           VBW         300 kHz           Image: second sec | M1[1]<br>M2[1]<br>M2[1]               |          | 6.1   | 7.25 dBn<br>F79720 GH:<br>50.15 dBn<br>889259 GH: |





|  | Tx. Spurious   | NVNT BLE 2M   | 2480MHz An | t1 Ref  |                           |
|--|--|---|------------|---|---------------------------|
| Spectrum   |  |   |            |   | Ē                         |
| Ref Level 20.00 dBr  | m Officiat 0.55 dB a   | DDW 100 kHz   |            |   | (⊽                        |
| Att 30 d   |  |   | ode Sweep  |   |                           |
| SGL Count 100/100  |  |   |            |   |                           |
| 1Pk Max  |  |   |            |   |                           |
|  |  |   | M1[1]      |   | 7.55 dBn                  |
| 10 dBm   |  | M1  | 1          | 2.  | 47996700 GH:              |
| 10 08m   |  |   |            |   |                           |
| 0.45-1   | mannon   | margen of any   | mon WW     |   |                           |
| 0 dBm  | manor  |   |            | 80mm re   |                           |
| -10 dBm  | '  |   |            | - area  |                           |
| -10 dBm  |  |   |            |   | m                         |
| -20 d8m  |  |   |            |   | Ĩ. I                      |
| -20 usm  |  |   |            |   | - My                      |
| DD dDm   |  |   |            |   | - N.                      |
| 30 dBm   |  |   |            |   | 1 1                       |
| 40.40-   |  |   |            |   |                           |
| -40 dBm  |  |   |            |   |                           |
| -50 dBm  |  |   |            |   |                           |
| -50 dBm  |  |   |            |   |                           |
| -60 dBm  |  |   |            |   |                           |
| -60 dBm  |  |   |            |   |                           |
| 70.40  |  |   |            |   |                           |
| -70 dBm  |  |   |            |   |                           |
|  |  |   |            |   |                           |
| CF 2.48 GHz  |  | 1001 pts  |            |   | Span 3.0 MHz              |
|  |  |   | Ready      | 430   | 27.02.2024                |
| Ref Level 20.00 dBr  | m Offset 2.55 dB 🥃   | PRW 100 kHz   |            |   |                           |
| Att 30 d   |  |   | de Sweep   |   |                           |
| SGL Count 10/10  |  |   |            |   |                           |
| 1Pk Max  |  |   |            |   |                           |
|  |  |   | M1[1]      |   | 3.62 dBr                  |
| 10 dBm   |  |   | M2[1]      |   | 2.479720 GH<br>-50.04 dBn |
| 0 dBm  |  |   |            |   | 6.973963 GH               |
| 10.10  |  |   |            |   |                           |
| -10 dBm D1 -12.45  | 1 dBm  |   |            |   |                           |
| -20 dBm  | +  |   |            |   |                           |
| -30 d8m  |  |   |            |   |                           |
| SO USIN  |  |   |            |   |                           |
| -40 dBm  |  |   |            |   | _                         |
| -50 dBm  | M2<br>3 M4 M   | 15  |            |   |                           |
| - LAND - AND -   | and the second sec | a superior de la constante de la constante                    |            | الي في الاطليمية من أو عالم والعائل الألفان الالار العام الالي.<br>معاد الألفان من يعمر ومع من المالية الألفان المالية المراجعة المراجعة المراجعة المراجعة المراجعة المراجعة المر |                           |
| the state of the s |  |   |            |   |                           |
|  |  |   |            |   |                           |
| -70 dBm  |  |   |            |   |                           |
| -70 dBm  |  |   |            |   |                           |
|  |  | 30001 pts   |            | \$  | stop 26.5 GHz             |
| Start 30.0 MHz<br>Marker   |  |   |            |   |                           |
| Start 30.0 MHz<br>Marker<br>Type   Ref   Trc   | X-value  | Y-value   | Function   | Function Re   |                           |
| Start 30.0 MHz<br>Marker<br>Type Ref Trc<br>M1 1   | 2.47972 GHz  | Y-value<br>3.62 dBm   | Function   |   |                           |
| Start 30.0 MHz<br>Marker<br>Type   Ref   Trc   |  | Y-value   | Function   |   |                           |
| Start 30.0 MHz           Marker           Type         Ref         Trc           M1         1           M2         1           M3         1           M4         1   | 2.47972 GHz<br>6.973963 GHz<br>4.949891 GHz<br>7.41513 GHz   | Y-value<br>3.62 dBm<br>-50.04 dBm<br>-53.86 dBm<br>-53.97 dBm | Function   |   |                           |
| Start 30.0 MHz           Marker           Type         Ref         Trc           M1         1           M2         1           M3         1  | 2.47972 GHz<br>6.973963 GHz<br>4.949891 GHz  | Y-value<br>3.62 dBm<br>-50.04 dBm<br>-53.86 dBm               | Function   | Function Re   | Stop 26.5 GHz<br>sult     |
| Start 30.0 MHz           Marker           Type         Ref         Trc           M1         1           M2         1           M3         1           M4         1   | 2.47972 GHz<br>6.973963 GHz<br>4.949891 GHz<br>7.41513 GHz   | Y-value<br>3.62 dBm<br>-50.04 dBm<br>-53.86 dBm<br>-53.97 dBm | Function   |   |                           |
| M1 1<br>M2 1<br>M3 1<br>M4 1   | 2.47972 GHz<br>6.973963 GHz<br>4.949891 GHz<br>7.41513 GHz   | Y-value<br>3.62 dBm<br>-50.04 dBm<br>-53.86 dBm<br>-53.97 dBm | Function   | Function Re   |                           |

## **APPENDIX: PHOTOGRAPHS OF TEST CONFIGURATION**

Please refer to the report: E04A23120598F00101.

## **APPENDIX: PHOTOGRAPHS OF THE EUT**

Please refer to the report: E04A23120598F00101.

## **END OF REPORT**