



## FCC TEST REPORT

**FCC ID: 2BN84-AC401**

On Behalf of

Shenzhen Aocai Technology Co., LTD

LED projector

Model No.: AC401, AC220, AC230, AC221, AC223, AC231, AC233,  
AC201, AC203, AC271, AC273, AC321, AC323, AC561, AC563,  
AC571, AC573, AC691, AC693

Prepared for : Shenzhen Aocai Technology Co., LTD  
Address : 701/601, Building A9, Longwangmiao Industrial Building, East  
Baishisha Community, Fuyong Street, Baoan District, Shenzhen

Prepared By : Shenzhen Alpha Product Testing Co., Ltd.  
Address : Building i, No.2, Lixin Road, Fuyong Street, Bao'an District, 518103,  
Shenzhen, Guangdong, China

Report Number : A2512309-C01-R02  
Date of Receipt : December 29, 2025  
Date of Test : December 29, 2025 - January 28, 2026  
Date of Report : January 28, 2026  
Version Number : V0  
**Test Result : Pass**

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## TEST REPORT DECLARATION

Applicant : Shenzhen Aocai Technology Co., LTD  
Address : 701/601, Building A9, Longwangmiao Industrial Building, East Baishisha  
Community, Fuyong Street, Baoan District, Shenzhen  
Manufacturer : Shenzhen Aocai Technology Co., LTD  
Address : 701/601, Building A9, Longwangmiao Industrial Building, East Baishisha  
Community, Fuyong Street, Baoan District, Shenzhen  
EUT Description : LED projector  
(A) Model No. AC401, AC220, AC230, AC221, AC223, AC231,  
AC233, AC201, AC203, AC271, AC273, AC321,  
AC323, AC561, AC563, AC571, AC573, AC691,  
AC693  
(B) Trademark N/A

Measurement Standard Used:

**FCC Rules and Regulations Part 15 Subpart C Section 15.247**

**ANSI C63.10-2020**

The device described above is tested by Shenzhen Alpha Product Testing Co., Ltd. to determine the maximum emission levels emanating from the device. The maximum emission levels are compared to the FCC Part 15 Subpart C limits both conducted and radiated emissions. The test results are contained in this test report and Shenzhen Alpha Product Testing Co., Ltd. is assumed of full responsibility for the accuracy and completeness of these tests.

After the test, our opinion is that EUT compliance with the requirement of the above standards.

This report applies to above tested sample only. This report shall not be reproduced in parts without written approval of Shenzhen Alpha Product Testing Co., Ltd.

Tested by (name + signature).....: Yannis Wen  
Project Engineer 

Approved by (name + signature).....: Jack Xu  
Project Manager 

Date of issue.....: January 28, 2026

**Revision History**

| Revision | Issue Date       | Revisions              | Revised By |
|----------|------------------|------------------------|------------|
| V0       | January 28, 2026 | Initial released Issue | Yannis Wen |

## 1. SUMMARY OF STANDARDS AND RESULTS

### 1.1. Description of Standards and Results

The EUT have been tested according to the applicable standards as referenced below:

| Test Item                               | Test Requirement | Standards Paragraph | Result |
|-----------------------------------------|------------------|---------------------|--------|
| Conducted Emission                      | FCC PART 15      | 15.207              | P      |
| 6dB Bandwidth                           | FCC PART 15      | 15.247 (a)(2)       | P      |
| Conducted Maximum Output Power          | FCC PART 15      | 15.247 (b)(3)       | P      |
| Radiated Spurious Emission              | FCC PART 15      | 15.247 (c)          | P      |
| Conducted Spurious & Band Edge Emission | FCC PART 15      | 15.247 (d)          | P      |
| Power Spectral Density                  | FCC PART 15      | 15.247 (e)          | P      |
| Radiated Band Edge Emission             | FCC PART 15      | 15.205              | P      |
| Antenna Requirement                     | FCC PART 15      | 15.203              | P      |

Note: 1. P is an abbreviation for Pass.

2. F is an abbreviation for Fail.

3. N/A is an abbreviation for Not Applicable.

4. The conclusion of this test report is judged by actual test data without considering measurement uncertainty.

## 2. GENERAL INFORMATION

### 2.1. Description of Device (EUT)

Description : LED projector  
Model Number : AC401, AC220, AC230, AC221, AC223, AC231, AC233, AC201, AC203, AC271, AC273, AC321, AC323, AC561, AC563, AC571, AC573, AC691, AC693  
Diff : There is no difference except the name of the model. All tests are made with the AC401 model.  
Power supply : AC 120V from power line.

|                        |                                                                                                |
|------------------------|------------------------------------------------------------------------------------------------|
| Radio Technology       | : Bluetooth BLE                                                                                |
| Operation frequency    | : 2402-2480MHz                                                                                 |
| Channel No.            | : 40 Channels                                                                                  |
| Channel spacing        | : 2MHz                                                                                         |
| Rate                   | : 1Mbps/2 Mbps                                                                                 |
| Modulation type        | : GFSK                                                                                         |
| Antenna Type           | : Internal antenna, Maximum Gain is 4.73dBi<br>(Antenna information is provided by applicant.) |
| Software version       | : V1.0                                                                                         |
| Hardware version       | : V1.0                                                                                         |
| Intend use environment | : Residential, commercial and light industrial environment                                     |

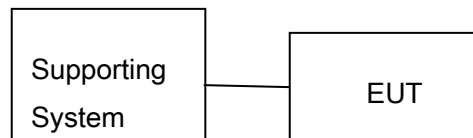
## 2.2. Accessories of Device (EUT)

Accessories : /  
 Manufacturer : /  
 Model : /  
 INPUT : /  
 OUTPUT : /

## 2.3. Tested Supporting System Details

| No. | Description | Manufacturer | Model        | Serial Number | Certification or SDoC |
|-----|-------------|--------------|--------------|---------------|-----------------------|
| 1   | Notebook PC | Lenovo       | ThinkPad L14 | N/A           | N/A                   |

## 2.4. Block Diagram of connection between EUT and simulators



## 2.5. Test Mode Description

| Tested mode, channel, and data rate information |              |                 |
|-------------------------------------------------|--------------|-----------------|
| Mode                                            | Channel      | Frequency (MHz) |
| GFSK (1M/2Mbps)                                 | Low :CH1     | 2402            |
|                                                 | Middle: CH20 | 2440            |
|                                                 | High: CH40   | 2480            |

Using QRCT testing software to control EUT work in Continuous TX mode, and select test channel, wireless mode, the power level of the test is set to default.

## 2.6. Test Conditions

| Items              | Required  | Actual |
|--------------------|-----------|--------|
| Temperature range: | 15-35°C   | 24°C   |
| Humidity range:    | 25-75%    | 56%    |
| Pressure range:    | 86-106kPa | 980kPa |

## 2.7. Test Facility

Shenzhen Alpha Product Testing Co., Ltd  
 Building i, No.2, Lixin Road, Fuyong Street, Bao'an District, 518103,  
 Shenzhen, Guangdong, China

## 2.8. Measurement Uncertainty

(95% confidence levels, k=2)

| Item                                                                   | Uncertainty               |
|------------------------------------------------------------------------|---------------------------|
| Uncertainty for Power point Conducted Emissions Test                   | 1.63dB                    |
| Uncertainty for Radiation Emission test in 3m chamber (below 30MHz)    | 3.5dB                     |
| Uncertainty for Radiation Emission test in 3m chamber (30MHz to 1GHz)  | 3.74dB(Polarize: V)       |
|                                                                        | 3.76dB(Polarize: H)       |
| Uncertainty for Radiation Emission test in 3m chamber (1GHz to 25GHz)  | 3.77dB(Polarize: V)       |
|                                                                        | 3.80dB(Polarize: H)       |
| Uncertainty for Radiation Emission test in 3m chamber (18GHz to 40GHz) | 4.31 dB(Polarize: V)      |
|                                                                        | 4.30 dB(Polarize: H)      |
| Uncertainty for radio frequency                                        | $5.06 \times 10^{-8}$ GHz |
| Uncertainty for conducted RF Power                                     | 0.40dB                    |
| Uncertainty for temperature                                            | 0.2°C                     |
| Uncertainty for humidity                                               | 1%                        |
| Uncertainty for DC and low frequency voltages                          | 0.06%                     |

## 2.9. Test Equipment List

| Equipment                          | Manufacturer  | Model No.    | Firmware version       | Serial No.             | Last Cal.  | Cal. Due day |
|------------------------------------|---------------|--------------|------------------------|------------------------|------------|--------------|
| 9*6*6 anechoic chamber             | CHENYU        | 9*6*6        | /                      | N/A                    | 2025.03.09 | 4Year        |
| 4*4*3 Shielded room                | CHENYU        | 4*4*3        | /                      | N/A                    | 2025.03.09 | 4Year        |
| Spectrum analyzer                  | ROHDE&SCHWARZ | FSV40-N      | 2.3                    | 102137                 | 2025.08.04 | 1Year        |
| Spectrum analyzer                  | Agilent       | N9020A       | A.14.16                | MY499100060            | 2025.08.04 | 1Year        |
| Spectrum analyzer                  | Keysight      | N9020A       | A.19.05                | MY54500254             | 2025.08.04 | 1Year        |
| CMW500                             | ROHDE&SCHWARZ | CMW500       | V 3.7.20               | 1201.0002K50-149889-wL | 2025.08.04 | 1Year        |
| CMW500                             | ROHDE&SCHWARZ | CMW500       | V 3.7.22               | 1201.0002K50-117239-sM | 2025.08.04 | 1Year        |
| UXM 5G Base Wireless Test Platform | Keysight      | E5175E       | 1.8.1.2908 2(NR)(LTE ) | MY62226130             | 2025.03.06 | 1Year        |
| Test Receiver                      | ROHDE&SCHWARZ | ESR          | 2.28 SP1               | 1316.3003K03-102082-Wa | 2025.08.04 | 1Year        |
| Test Receiver                      | ROHDE&SCHWARZ | ESCI         | 4.42 SP1               | 101165                 | 2025.08.04 | 1Year        |
| Bilog Antenna                      | SCHWARZBECK   | VULB 9168    | /                      | VULB 9168#627          | 2025.08.11 | 2Year        |
| Horn Antenna                       | SCHWARZBECK   | BBHA 9120 D  | /                      | 2106                   | 2025.08.11 | 2Year        |
| Loop Antenna                       | SCHWARZBECK   | FMZB 1519B   | /                      | 00128                  | 2025.08.11 | 2Year        |
| RF Cable                           | Resenberger   | Cable 1      | /                      | RE1                    | 2025.08.04 | 1Year        |
| RF Cable                           | Resenberger   | Cable 2      | /                      | RE2                    | 2025.08.04 | 1Year        |
| RF Cable                           | Resenberger   | Cable 3      | /                      | CE1                    | 2025.08.04 | 1Year        |
| Amplifier                          | HP            | HP8347A      | /                      | 2834A00455             | 2025.08.04 | 1Year        |
| Amplifier                          | Agilent       | 8449B        | /                      | 3008A02664             | 2025.08.04 | 1Year        |
| L.I.S.N.#1                         | SCHWARZBECK   | NSLK8126     | /                      | 8126-466               | 2025.08.04 | 1Year        |
| L.I.S.N.#2                         | ROHDE&SCHWARZ | ENV216       | /                      | 101043                 | 2025.08.04 | 1Year        |
| Horn Antenna                       | SCHWARZBECK   | BBHA 9170    | /                      | 00946                  | 2025.08.11 | 2Year        |
| Preamplifier                       | SKET          | LNPA_1840-50 | /                      | SK2018101801           | 2025.08.04 | 1 Year       |
| Vector Signal Generator            | Agilent       | N5182A       | /                      | MY49060042             | 2025.08.04 | 1 Year       |
| Vector Signal Generator            | Agilent       | N5172B       | 2.02                   | MY51350397             | 2025.08.04 | 1 Year       |
| Power Meter                        | Agilent       | E4419B       | /                      | GB40202122             | 2025.08.04 | 1 Year       |
| Power Sensor                       | Agilent       | E9300A       | /                      | MY41496628             | 2025.08.04 | 1 Year       |
| Power Sensor                       | Agilent       | E9304A       | /                      | MY41496815             | 2025.08.04 | 1 Year       |
| Power Sensor                       | DARE          | RPR3006W     |                        | 15100041SNO91          | 2025.08.04 | 1 Year       |
| Power Sensor                       | DARE          | RPR3006W     |                        | 15100041SNO92          | 2025.08.04 | 1 Year       |
| Temp. & Humid. Chamber             | Teelong       | TL-HW408S    | /                      | TL-20191205-01         | 2025.07.14 | 1 Year       |

|                              |               |          |   |            |            |        |
|------------------------------|---------------|----------|---|------------|------------|--------|
| Electronic Thermo-Hygrometer | S.H.Qixiang   | HTC-1    | / | N/A        | 2025.08.04 | 1 Year |
| Switching Mode Power Supply  | JUNKE         | JK12010S | / | 20140927-6 | 2025.08.04 | 1 Year |
| Adjustable attenuator        | MWRFtest      | N/A      | / | N/A        | N/A        | N/A    |
| 10dB Attenuator              | Mini-Circuits | DC-6G    | / | N/A        | N/A        | N/A    |

| Software Information |               |              |           |
|----------------------|---------------|--------------|-----------|
| Test Item            | Software Name | Manufacturer | Version   |
| RE                   | EZ-EMC        | Farad        | Alpha-3A1 |
| CE                   | EZ-EMC        | Farad        | Alpha-3A1 |
| RF-CE                | MTS 8310      | MWRFTtest    | V2.0.0.0  |

### 3. SPURIOUS EMISSION

#### 3.1. Test Limits

| Frequencies<br>(MHz) | Field Strength<br>(micorvolts/meter) | Measurement Distance<br>(meters) |
|----------------------|--------------------------------------|----------------------------------|
| 0.009~0.490          | 2400/F(KHz)                          | 300                              |
| 0.490~1.705          | 24000/F(KHz)                         | 30                               |
| 1.705~30.0           | 30                                   | 30                               |
| 30~88                | 100                                  | 3                                |
| 88~216               | 150                                  | 3                                |
| 216~960              | 200                                  | 3                                |
| Above 960            | 500                                  | 3                                |

Harmonic emissions limits comply with below 54 dBuV/m at 3m. Other emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 50 dB below the level of the fundamental or comply with the radiated emissions limits specified in section 15.209(a) limit in the table below has to be followed.

**NOTE:**

- a) The tighter limit applies at the band edges.
- b) Emission Level(dB uV/m)=20log Emission Level(uv/m)

#### 3.2. Test Procedure

The measuring distance of 3m shall be used for measurements at frequency up to 1GH and above 1GHz, The EUT was placed on a rotating 0.8 m high above ground for below 1GHz and 1.5m high for above1GHz testing, The table was rotated 360 degrees to determine the position of the highest radiation

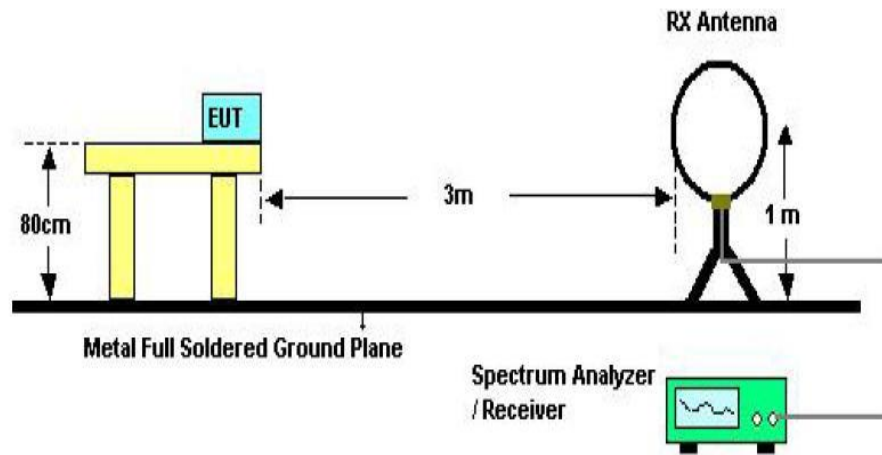
The Test antenna shall vary between 1m and 4m, Both Horizontal and Vertical antenna are set of make measurement.

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 Qusia Peak Detector mode premeasured

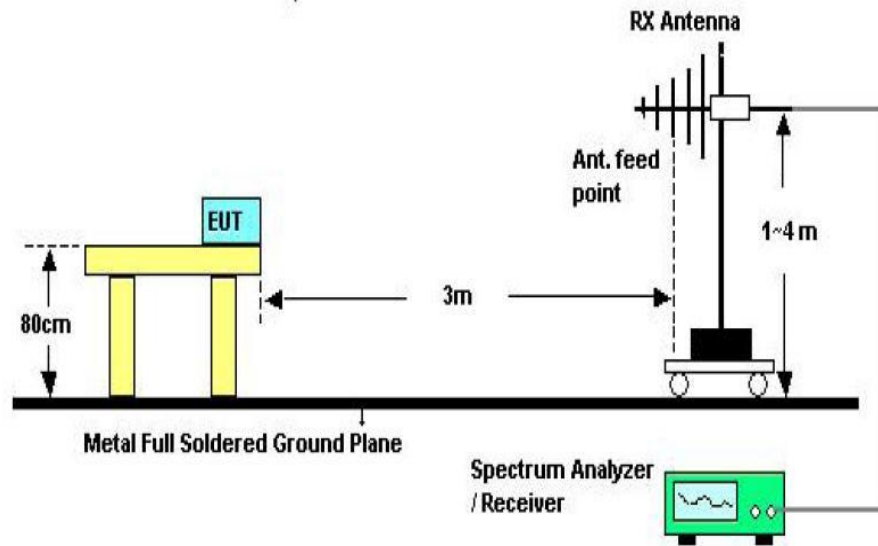
If Peak value comply with QP limit Below 1GHz.The EUT deemed to comply with QP limit. But the Peak value and average value both need to comply with applicable limit above 1GHz.

For the actual test configuration, please see the test setup photo.

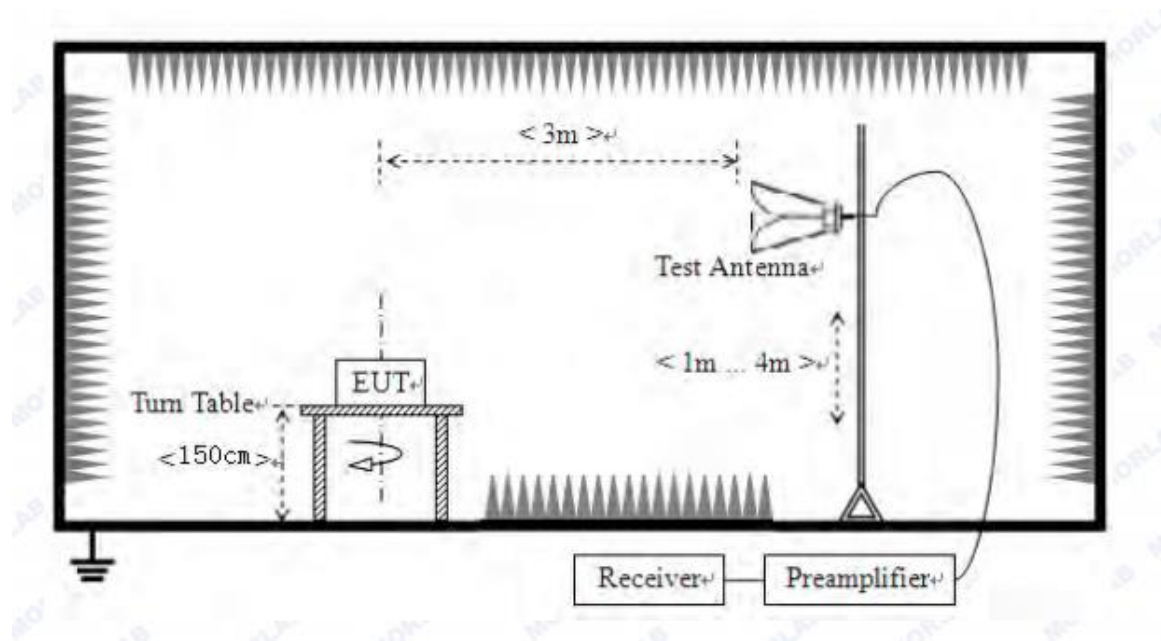
### 3.3. Test Setup



Below 30MHz Test Setup



Above 30MHz Test Setup



Above 1GHz Test Setup

### 3.4. Test Results

#### Test Condition

Continual Transmitting in maximum power.

|              |           |            |
|--------------|-----------|------------|
| 9KHz~150KHz  | RBW200Hz  | VBW1KHz    |
| 150KHz~30MHz | RBW9KHz   | VBW 30KHz  |
| 30MHz~1GHz   | RBW120KHz | VBW 300KHz |
| Above1GHz    | RBW1MHz   | VBW 3MHz   |

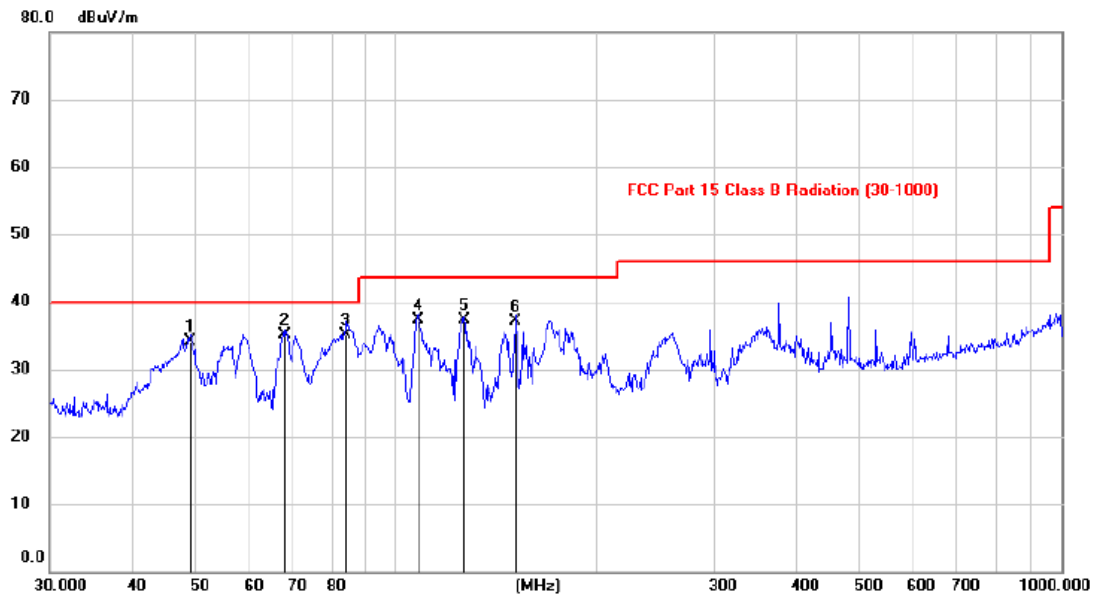
We have scanned the 10th harmonic from 9 kHz to the EUT.

Detailed information please see the following page.

From 9KHz to 30MHz: Conclusion: PASS

Note: 1. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

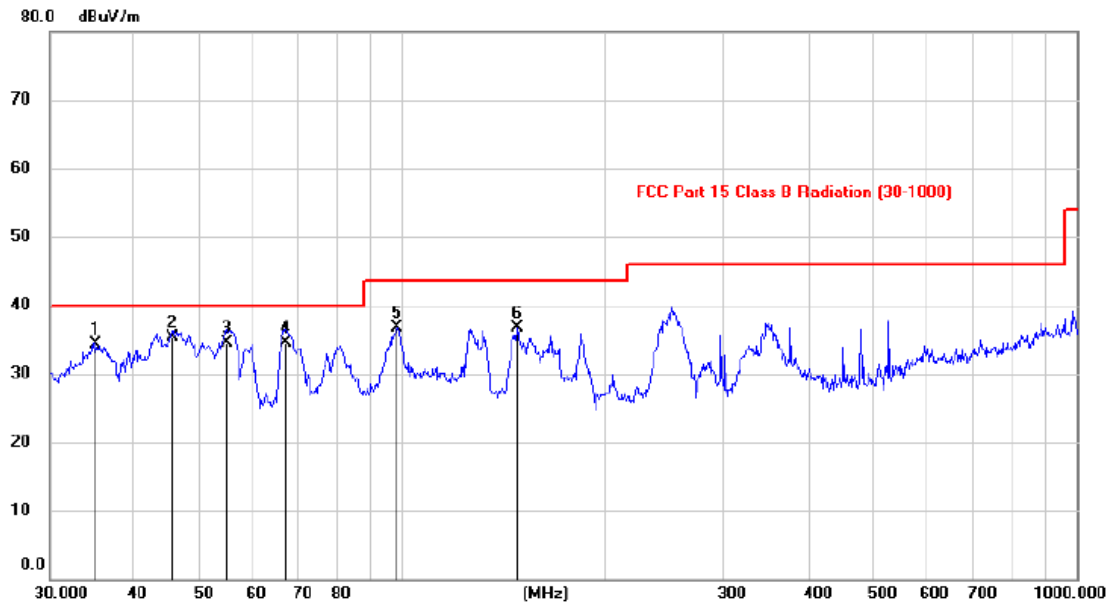
2. Only show the test data of the worst Channel in this report.

**Antenna polarity: Horizontal**

| No. | Mk. | Freq.    | Reading Level | Correct Factor | Measurement | Limit  | Margin |          |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|
|     |     | MHz      | dBuV          | dB             | dBuV/m      | dBuV/m | dB     | Detector |
| 1   |     | 48.9572  | 20.13         | 14.03          | 34.16       | 40.00  | -5.84  | QP       |
| 2   | *   | 67.8571  | 23.25         | 11.79          | 35.04       | 40.00  | -4.96  | QP       |
| 3   |     | 83.9330  | 25.06         | 9.95           | 35.01       | 40.00  | -4.99  | QP       |
| 4   |     | 107.6860 | 25.66         | 11.60          | 37.26       | 43.50  | -6.24  | QP       |
| 5   |     | 126.4762 | 23.82         | 13.40          | 37.22       | 43.50  | -6.28  | QP       |
| 6   |     | 151.2255 | 21.99         | 15.06          | 37.05       | 43.50  | -6.45  | QP       |

Note: 1. \*: Maximum data; x: Over limit; !: over margin.

2. Measurement = Reading Level + Correct Factor; Correct Factor = Antenna Factor + Cable Loss.

**Antenna polarity: Vertical**

| No. | Mk. | Freq.    | Reading | Correct | Measure- | Limit  | Margin |          |
|-----|-----|----------|---------|---------|----------|--------|--------|----------|
|     |     | MHz      | dBuV    | Factor  | ment     |        |        |          |
|     |     |          |         | dB      | dBuV/m   | dBuV/m | dB     | Detector |
| 1   |     | 35.2182  | 20.47   | 13.74   | 34.21    | 40.00  | -5.79  | QP       |
| 2   | *   | 45.6679  | 21.11   | 14.11   | 35.22    | 40.00  | -4.78  | QP       |
| 3   |     | 54.9309  | 21.01   | 13.58   | 34.59    | 40.00  | -5.41  | QP       |
| 4   |     | 67.2100  | 22.69   | 11.78   | 34.47    | 40.00  | -5.53  | QP       |
| 5   |     | 98.4175  | 25.93   | 10.75   | 36.68    | 43.50  | -6.82  | peak     |
| 6   |     | 148.0944 | 21.70   | 14.92   | 36.62    | 43.50  | -6.88  | peak     |

Note: 1. \*: Maximum data; x: Over limit; !: over margin.

2. Measurement = Reading Level + Correct Factor; Correct Factor = Antenna Factor + Cable Loss.

**Note:** 1. Above is below 1GHz test data. This report only shall the worst case mode for GFSK 1M 2402MHz

| Test Mode: TX Low  |                     |             |                       |                |                 |                 |                |             |        |
|--------------------|---------------------|-------------|-----------------------|----------------|-----------------|-----------------|----------------|-------------|--------|
| Freq (MHz)         | Read Level (dBuV/m) | Polar (H/V) | Antenna Factor (dB/m) | Cable loss(dB) | Amp Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
| 4804               | 43.92               | V           | 33.95                 | 10.18          | 34.26           | 53.79           | 74             | -20.21      | PK     |
| 4804               | 35.94               | V           | 33.95                 | 10.18          | 34.26           | 45.81           | 54             | -8.19       | AV     |
| 7206               | /                   | /           | /                     | /              | /               | /               | /              | /           | /      |
| 9608               | /                   | /           | /                     | /              | /               | /               | /              | /           | /      |
| 4804               | 45.89               | H           | 33.95                 | 10.18          | 34.26           | 55.76           | 74             | -18.24      | PK     |
| 4804               | 36.39               | H           | 33.95                 | 10.18          | 34.26           | 46.26           | 54             | -7.74       | AV     |
| 7206               | /                   | /           | /                     | /              | /               | /               | /              | /           | /      |
| 9608               | /                   | /           | /                     | /              | /               | /               | /              | /           | /      |
| Test Mode: TX Mid  |                     |             |                       |                |                 |                 |                |             |        |
| 4880               | 45.00               | V           | 33.93                 | 10.2           | 34.29           | 54.84           | 74             | -19.16      | PK     |
| 4880               | 34.08               | V           | 33.93                 | 10.2           | 34.29           | 43.92           | 54             | -10.08      | AV     |
| 7320               | /                   | /           | /                     | /              | /               | /               | /              | /           | /      |
| 9760               | /                   | /           | /                     | /              | /               | /               | /              | /           | /      |
| 4880               | 44.34               | H           | 33.93                 | 10.2           | 34.29           | 54.18           | 74             | -19.82      | PK     |
| 4880               | 34.82               | H           | 33.93                 | 10.2           | 34.29           | 44.66           | 54             | -9.34       | AV     |
| 7320               | /                   | /           | /                     | /              | /               | /               | /              | /           | /      |
| 9760               | /                   | /           | /                     | /              | /               | /               | /              | /           | /      |
| Test Mode: TX High |                     |             |                       |                |                 |                 |                |             |        |
| 4960               | 46.95               | V           | 33.98                 | 10.22          | 34.25           | 56.90           | 74             | -17.10      | PK     |
| 4960               | 34.50               | V           | 33.98                 | 10.22          | 34.25           | 44.45           | 54             | -9.55       | AV     |
| 7440               | /                   | /           | /                     | /              | /               | /               | /              | /           | /      |
| 9920               | /                   | /           | /                     | /              | /               | /               | /              | /           | /      |
| 4960               | 48.90               | H           | 33.98                 | 10.22          | 34.25           | 58.85           | 74             | -15.15      | PK     |
| 4960               | 33.54               | H           | 33.98                 | 10.22          | 34.25           | 43.49           | 54             | -10.51      | AV     |
| 7440               | /                   | /           | /                     | /              | /               | /               | /              | /           | /      |
| 9920               | /                   | /           | /                     | /              | /               | /               | /              | /           | /      |

Note:

1, Result = Read level + Antenna factor + cable loss-Amp factor

2, All the other emissions not reported were too low to read and deemed to comply with FCC limit.

| Test Mode: TX Low  |                     |             |                       |                |                 |                 |                |             |        |
|--------------------|---------------------|-------------|-----------------------|----------------|-----------------|-----------------|----------------|-------------|--------|
| Freq (MHz)         | Read Level (dBuV/m) | Polar (H/V) | Antenna Factor (dB/m) | Cable loss(dB) | Amp Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
| 4804               | 44.13               | V           | 33.95                 | 10.18          | 34.26           | 54.00           | 74             | -20.00      | PK     |
| 4804               | 34.68               | V           | 33.95                 | 10.18          | 34.26           | 44.55           | 54             | -9.45       | AV     |
| 7206               | /                   | /           | /                     | /              | /               | /               | /              | /           | /      |
| 9608               | /                   | /           | /                     | /              | /               | /               | /              | /           | /      |
| 4804               | 45.54               | H           | 33.95                 | 10.18          | 34.26           | 55.41           | 74             | -18.59      | PK     |
| 4804               | 34.80               | H           | 33.95                 | 10.18          | 34.26           | 44.67           | 54             | -9.33       | AV     |
| 7206               | /                   | /           | /                     | /              | /               | /               | /              | /           | /      |
| 9608               | /                   | /           | /                     | /              | /               | /               | /              | /           | /      |
| Test Mode: TX Mid  |                     |             |                       |                |                 |                 |                |             |        |
| 4880               | 44.08               | V           | 33.93                 | 10.2           | 34.29           | 53.92           | 74             | -20.08      | PK     |
| 4880               | 34.14               | V           | 33.93                 | 10.2           | 34.29           | 43.98           | 54             | -10.02      | AV     |
| 7320               | /                   | /           | /                     | /              | /               | /               | /              | /           | /      |
| 9760               | /                   | /           | /                     | /              | /               | /               | /              | /           | /      |
| 4880               | 46.32               | H           | 33.93                 | 10.2           | 34.29           | 56.16           | 74             | -17.84      | PK     |
| 4880               | 33.47               | H           | 33.93                 | 10.2           | 34.29           | 43.31           | 54             | -10.69      | AV     |
| 7320               | /                   | /           | /                     | /              | /               | /               | /              | /           | /      |
| 9760               | /                   | /           | /                     | /              | /               | /               | /              | /           | /      |
| Test Mode: TX High |                     |             |                       |                |                 |                 |                |             |        |
| 4960               | 47.31               | V           | 33.98                 | 10.22          | 34.25           | 57.26           | 74             | -16.74      | PK     |
| 4960               | 37.78               | V           | 33.98                 | 10.22          | 34.25           | 47.73           | 54             | -6.27       | AV     |
| 7440               | /                   | /           | /                     | /              | /               | /               | /              | /           | /      |
| 9920               | /                   | /           | /                     | /              | /               | /               | /              | /           | /      |
| 4960               | 48.41               | H           | 33.98                 | 10.22          | 34.25           | 58.36           | 74             | -15.64      | PK     |
| 4960               | 36.30               | H           | 33.98                 | 10.22          | 34.25           | 46.25           | 54             | -7.75       | AV     |
| 7440               | /                   | /           | /                     | /              | /               | /               | /              | /           | /      |
| 9920               | /                   | /           | /                     | /              | /               | /               | /              | /           | /      |

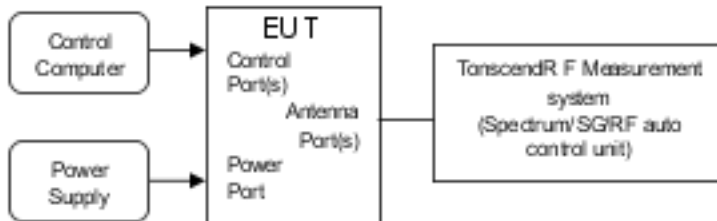
Note:

1, Result = Read level + Antenna factor + cable loss-Amp factor

2, All the other emissions not reported were too low to read and deemed to comply with FCC limit.

## 4. RF CONDUCTED SPURIOUS EMISSIONS

### 4.1. Block diagram of test setup



### 4.2. Limits

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20dB.

In addition, radiated emissions which fall in the restricted bands, as defined in § 15.205(a), must also comply with the radiated emission limits specified in § 15.209(a) (see § 15.205(c)).

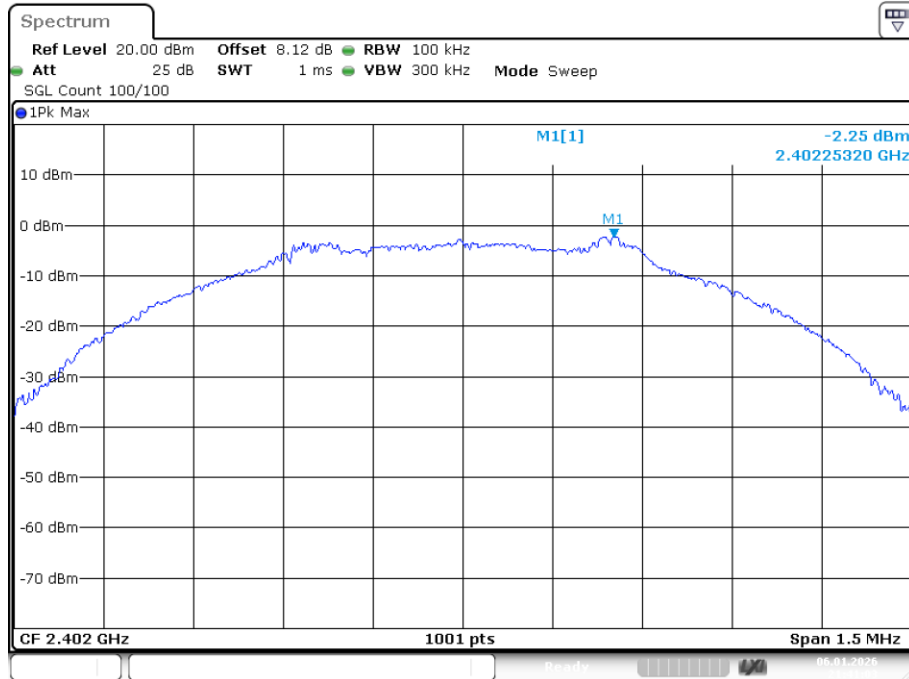
### 4.3. Test procedure

The test receiver set RBW = 100kHz, VBW ≥ 3\*RBW = 300kHz, detector: peak, sweep time set auto

### 4.4. Test result

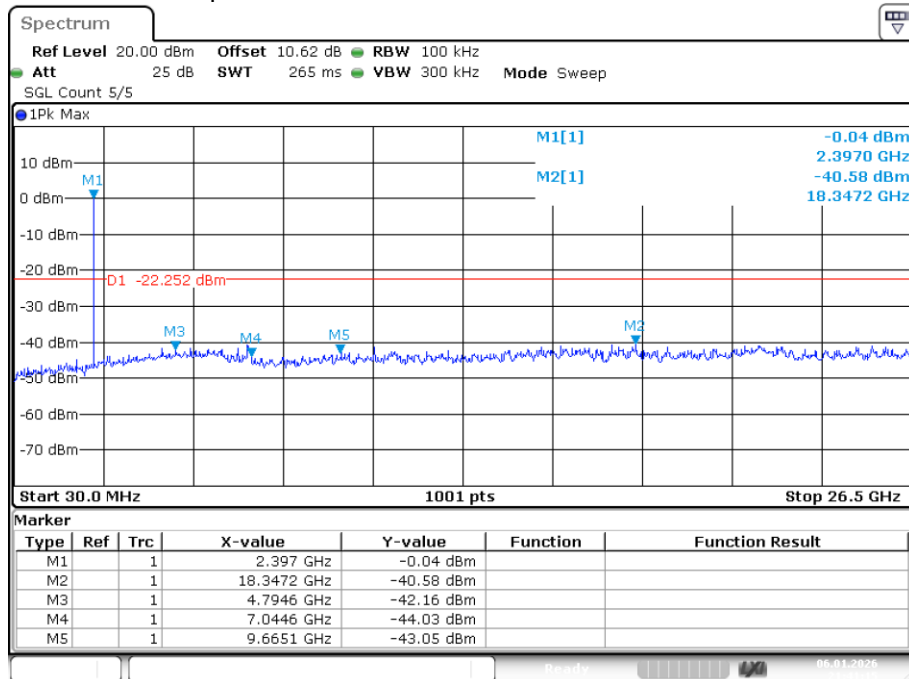
PASS

## Tx. Spurious NVNT BLE 1M 2402MHz Ant1 Ref



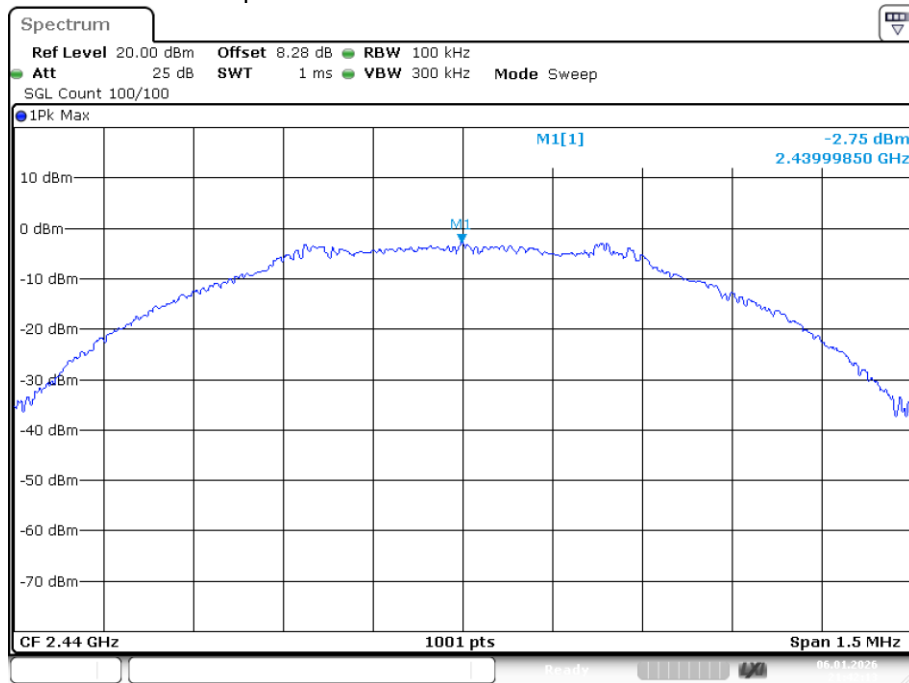
Date: 6.JAN.2026 21:41:03

## Tx. Spurious NVNT BLE 1M 2402MHz Ant1 Emission



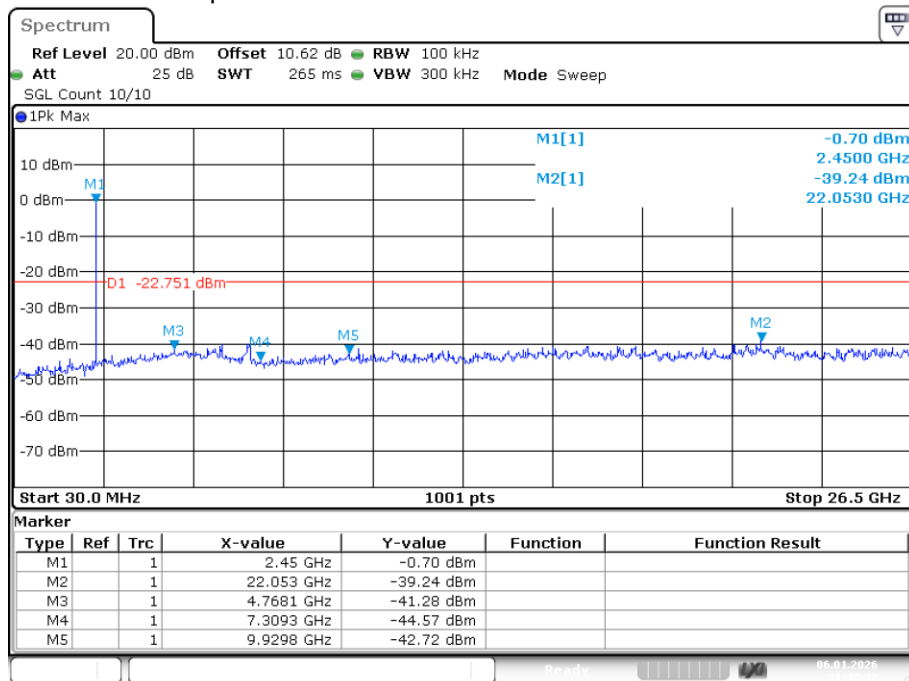
Date: 6.JAN.2026 21:41:14

## Tx. Spurious NVNT BLE 1M 2440MHz Ant1 Ref



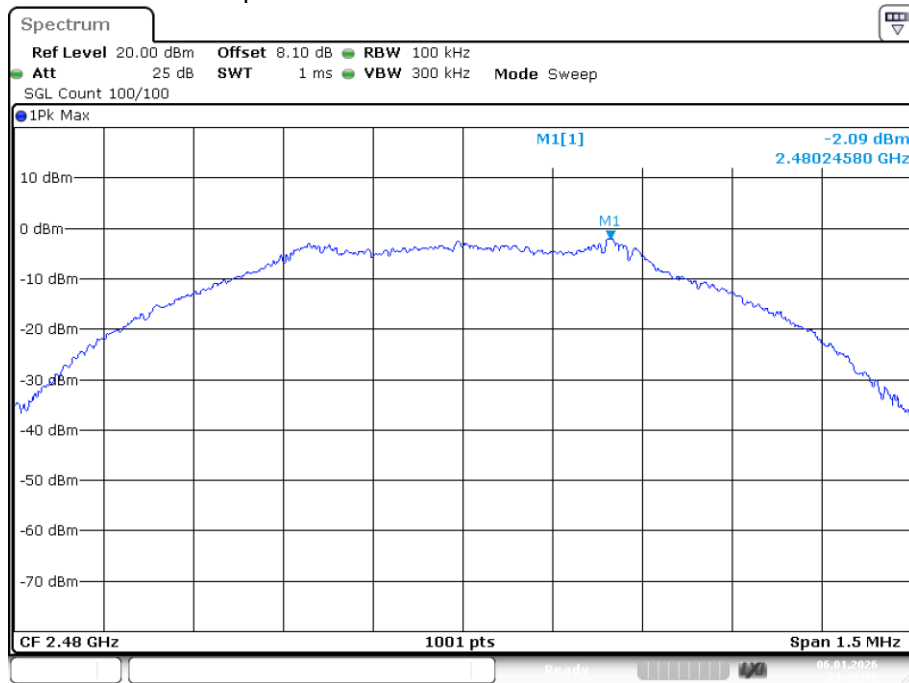
Date: 6.JAN.2026 21:42:13

## Tx. Spurious NVNT BLE 1M 2440MHz Ant1 Emission



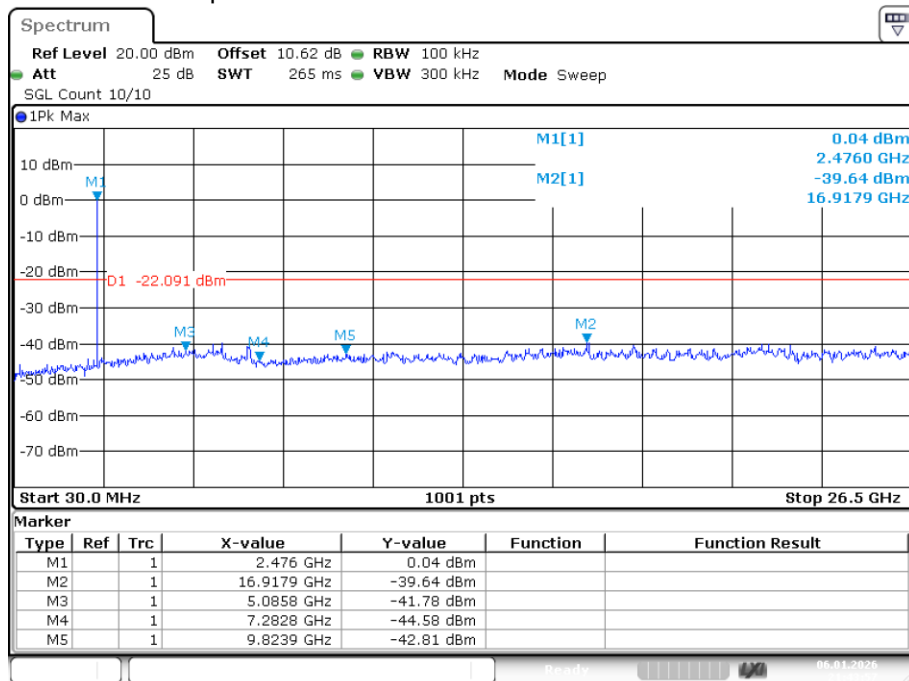
Date: 6.JAN.2026 21:42:31

## Tx. Spurious NVNT BLE 1M 2480MHz Ant1 Ref



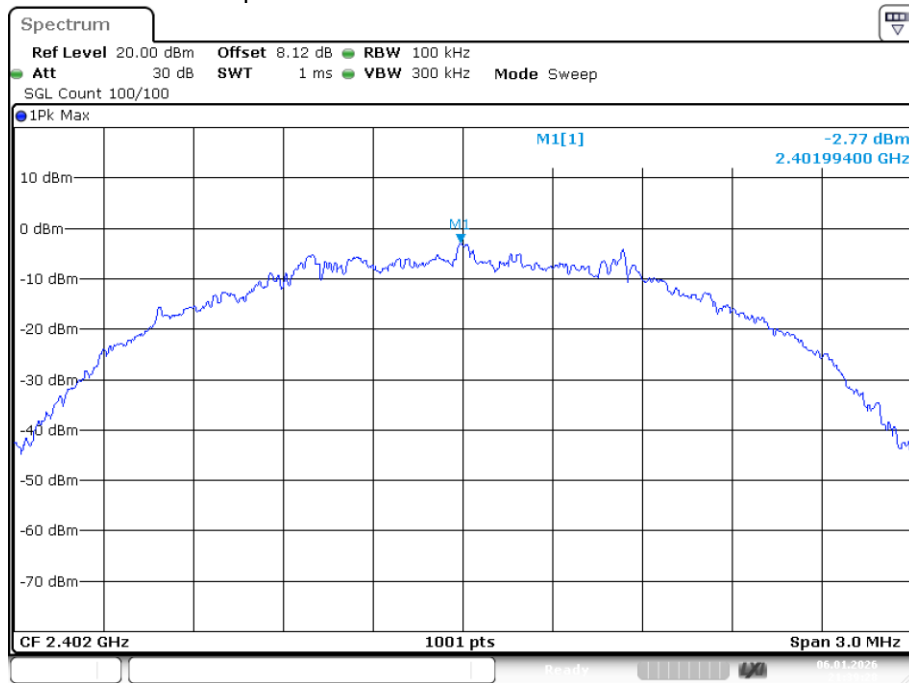
Date: 6.JAN.2026 21:43:38

## Tx. Spurious NVNT BLE 1M 2480MHz Ant1 Emission



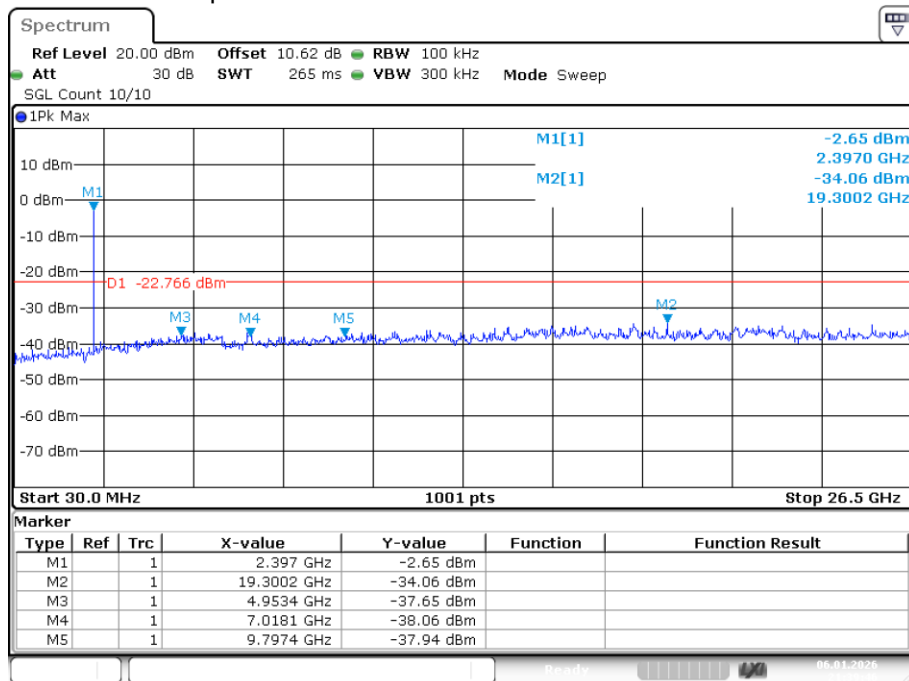
Date: 6.JAN.2026 21:43:56

## Tx. Spurious NVNT BLE 2M 2402MHz Ant1 Ref



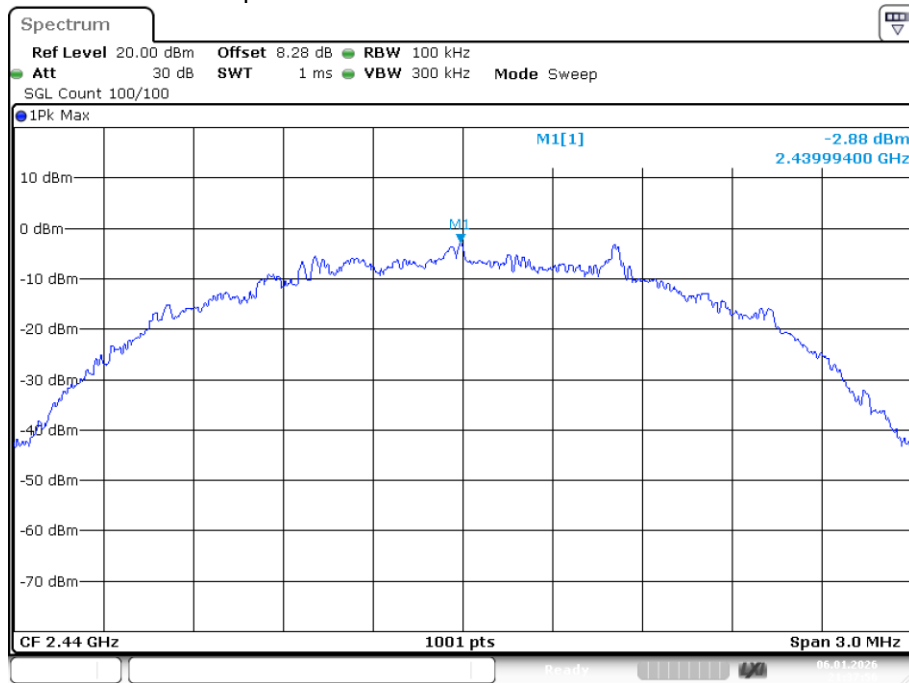
Date: 6.JAN.2026 21:39:28

## Tx. Spurious NVNT BLE 2M 2402MHz Ant1 Emission



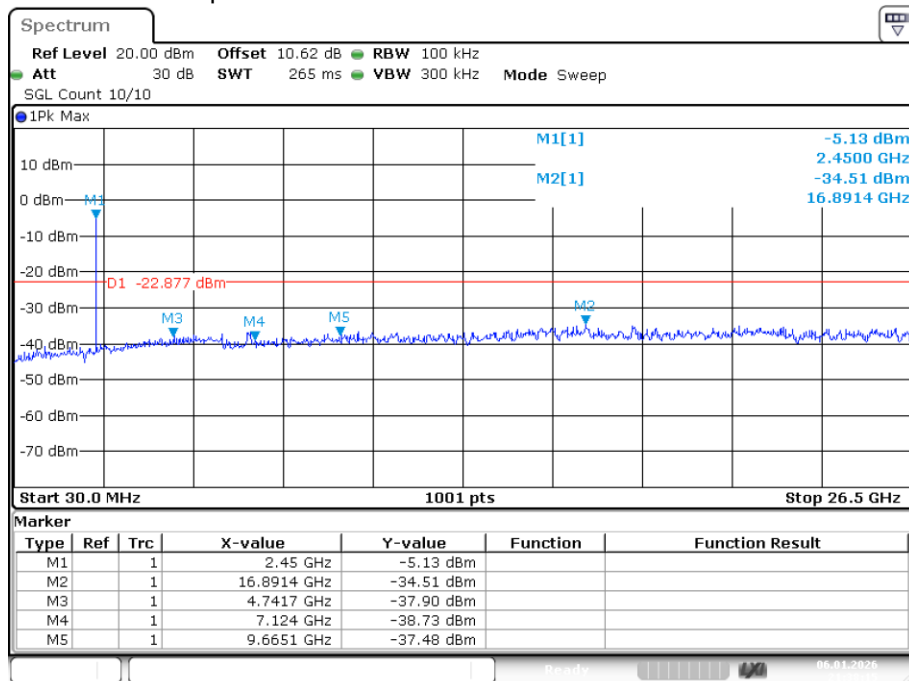
Date: 6.JAN.2026 21:39:46

## Tx. Spurious NVNT BLE 2M 2440MHz Ant1 Ref



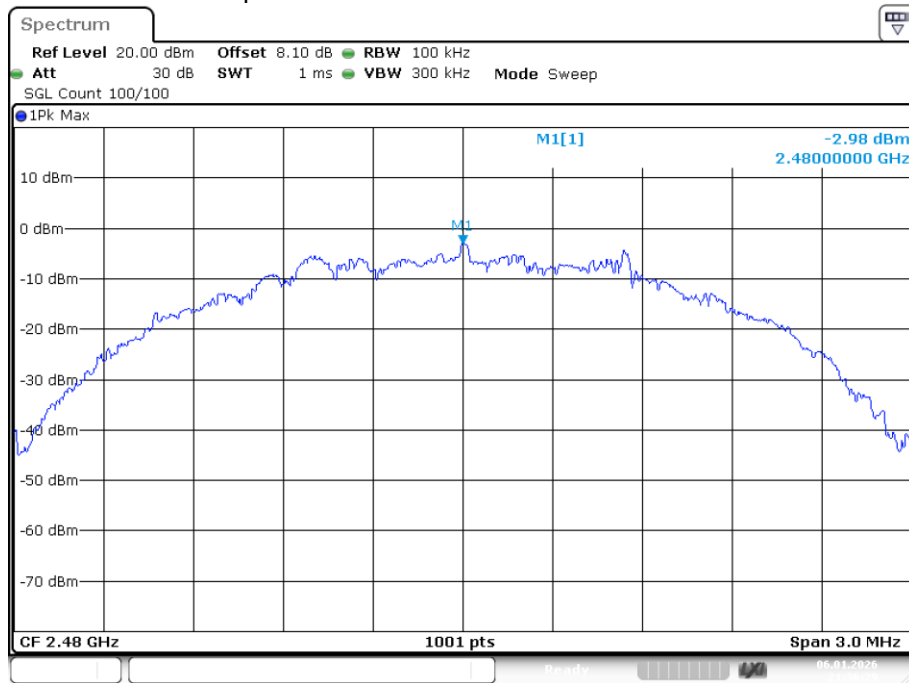
Date: 6.JAN.2026 21:37:56

## Tx. Spurious NVNT BLE 2M 2440MHz Ant1 Emission



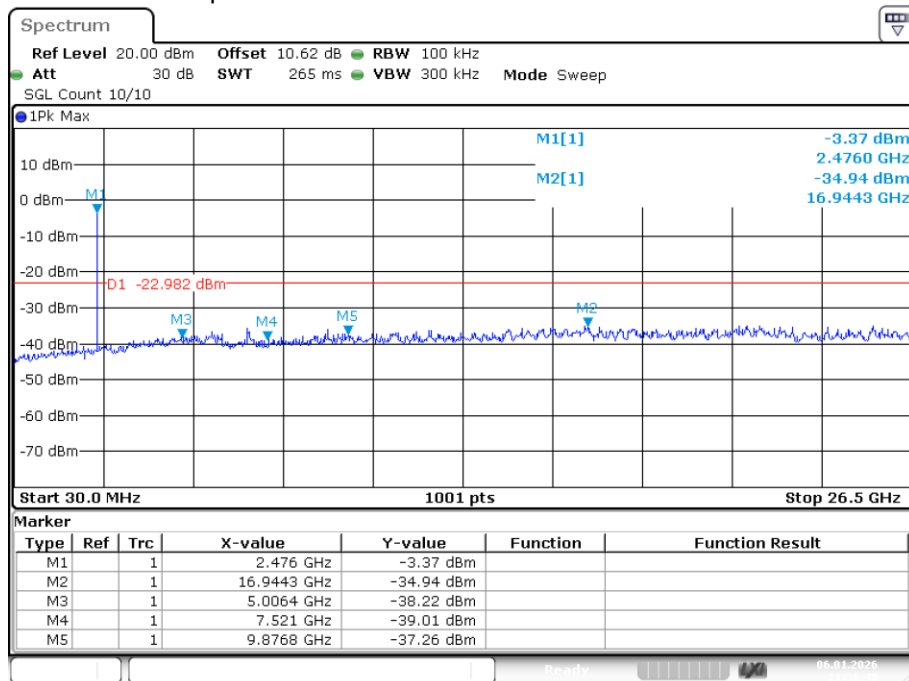
Date: 6.JAN.2026 21:38:15

## Tx. Spurious NVNT BLE 2M 2480MHz Ant1 Ref



Date: 6.JAN.2026 21:36:29

## Tx. Spurious NVNT BLE 2M 2480MHz Ant1 Emission



Date: 6.JAN.2026 21:36:48

## 5. POWER LINE CONDUCTED EMISSION

### 5.1. Test Limits

| Frequency<br>MHz | Limits dB( $\mu$ V) |               |
|------------------|---------------------|---------------|
|                  | Quasi-peak Level    | Average Level |
| 0.15 -0.50       | 66 -56*             | 56 - 46*      |
| 0.50 -5.00       | 56                  | 46            |
| 5.00 -30.00      | 60                  | 50            |

Notes: 1. \*Decreasing linearly with logarithm of frequency.

2. The lower limit shall apply at the transition frequencies.

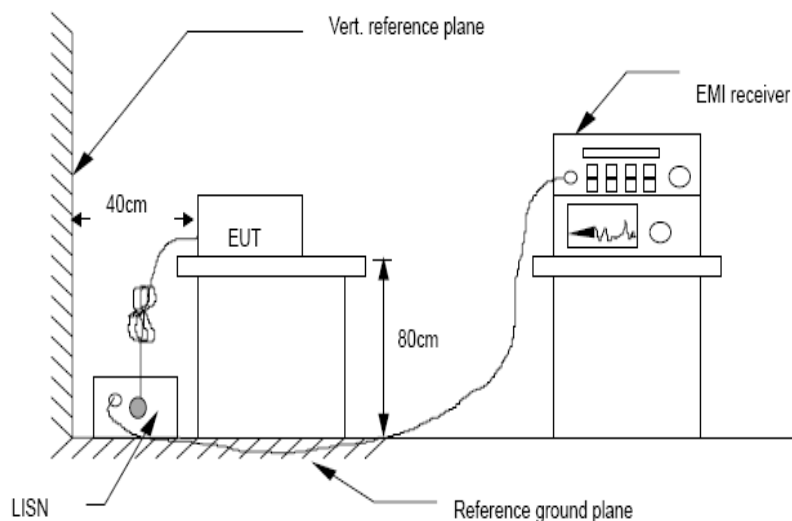
3. The limit decreases in line with the logarithm of the frequency in rang of 0.15 to 0.50 MHz.

### 5.2. Test Procedure

The EUT is put on the plane 0.8m high above the ground by insulating support and is connected to the power mains through a line impedance stabilization network (L.I.S.N.). This provides a 50ohm coupling impedance for the EUT system. Please refer the block diagram of the test setup and photographs. Both sides of AC lines are checked to find out the maximum conducted emission. In order to find the maximum emission levels, the relative positions of equipment and all of the interface cables shall be changed according to ANSI C63.10:2020 on Conducted Emission Measurement.

The bandwidth of test receiver is set at 9 kHz.

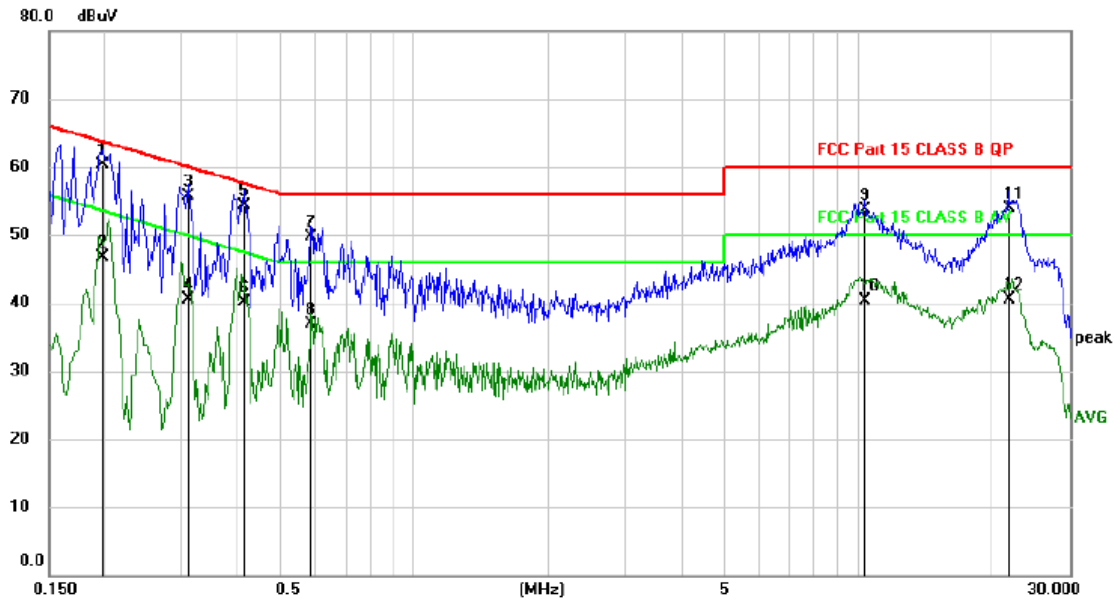
### 5.3. Test Setup



## 5.4. Test Results

Pass

Polarity: L



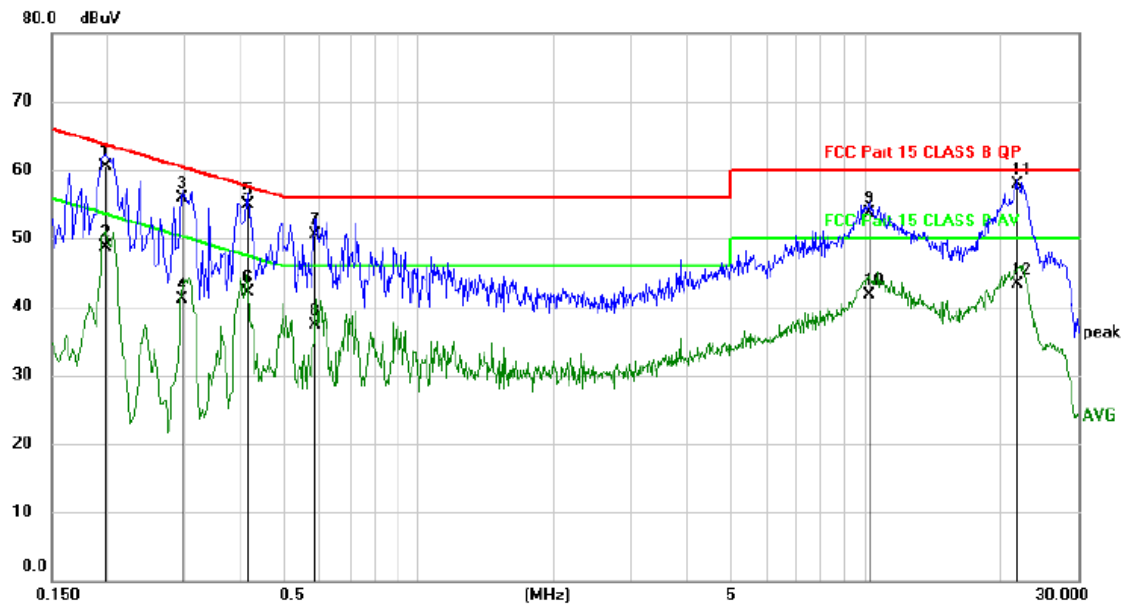
| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV | Limit<br>dBuV | Margin<br>dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|--------------------------|---------------|--------------|----------|---------|
| 1   |     | 0.1980       | 50.46                    | 9.92                    | 60.38                    | 63.69         | -3.31        | QP       |         |
| 2   |     | 0.1980       | 36.73                    | 9.92                    | 46.65                    | 53.69         | -7.04        | AVG      |         |
| 3   |     | 0.3089       | 45.83                    | 9.93                    | 55.76                    | 60.00         | -4.24        | QP       |         |
| 4   |     | 0.3089       | 30.63                    | 9.93                    | 40.56                    | 50.00         | -9.44        | AVG      |         |
| 5   | *   | 0.4138       | 44.32                    | 9.94                    | 54.26                    | 57.57         | -3.31        | QP       |         |
| 6   |     | 0.4138       | 30.19                    | 9.94                    | 40.13                    | 47.57         | -7.44        | AVG      |         |
| 7   |     | 0.5878       | 39.82                    | 9.92                    | 49.74                    | 56.00         | -6.26        | QP       |         |
| 8   |     | 0.5878       | 26.98                    | 9.92                    | 36.90                    | 46.00         | -9.10        | AVG      |         |
| 9   |     | 10.3500      | 43.47                    | 10.22                   | 53.69                    | 60.00         | -6.31        | QP       |         |
| 10  |     | 10.3500      | 30.02                    | 10.22                   | 40.24                    | 50.00         | -9.76        | AVG      |         |
| 11  |     | 21.8880      | 43.54                    | 10.46                   | 54.00                    | 60.00         | -6.00        | QP       |         |
| 12  |     | 21.8880      | 30.07                    | 10.46                   | 40.53                    | 50.00         | -9.47        | AVG      |         |

\*:Maximum data    x:Over limit    !:over margin

(Reference Only)

Note: Measurement=Reading Level+Correc Factor.    Factor=(LISN or ISN or PLC or Current Probe)Factor+Cable

**Polarity: N**



| No. | Mk. | Freq.   | Reading Level | Correct Factor | Measurement | Limit | Margin |                  |
|-----|-----|---------|---------------|----------------|-------------|-------|--------|------------------|
|     |     | MHz     | dBuV          | dB             | dBuV        | dBuV  | dB     | Detector Comment |
| 1   |     | 0.1980  | 50.55         | 9.92           | 60.47       | 63.69 | -3.22  | QP               |
| 2   |     | 0.1980  | 38.88         | 9.92           | 48.80       | 53.69 | -4.89  | AVG              |
| 3   |     | 0.2938  | 45.98         | 9.93           | 55.91       | 60.42 | -4.51  | QP               |
| 4   |     | 0.2938  | 31.13         | 9.93           | 41.06       | 50.42 | -9.36  | AVG              |
| 5   |     | 0.4138  | 44.93         | 9.94           | 54.87       | 57.57 | -2.70  | QP               |
| 6   |     | 0.4138  | 32.15         | 9.94           | 42.09       | 47.57 | -5.48  | AVG              |
| 7   |     | 0.5878  | 40.52         | 9.92           | 50.44       | 56.00 | -5.56  | QP               |
| 8   |     | 0.5878  | 27.44         | 9.92           | 37.36       | 46.00 | -8.64  | AVG              |
| 9   |     | 10.2330 | 43.54         | 10.22          | 53.76       | 60.00 | -6.24  | QP               |
| 10  |     | 10.2330 | 31.43         | 10.22          | 41.65       | 50.00 | -8.35  | AVG              |
| 11  | *   | 21.8819 | 47.35         | 10.46          | 57.81       | 60.00 | -2.19  | QP               |
| 12  |     | 21.8819 | 32.77         | 10.46          | 43.23       | 50.00 | -6.77  | AVG              |

\*:Maximum data    x:Over limit    !:over margin

Reference Only

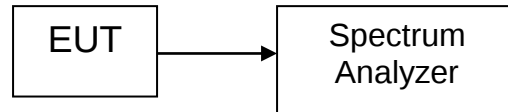
Note: Measurement=Reading Level+Correc Factor. Factor=(LISN or ISN or PLC or Current Probe)Factor+Cable

Note: 1.All modes and channels have been tested and only the GFSK 1M 2402MHz mode with the worst data is listed.

2. Test voltage: AC 120V.

## 6. DUTY CYCLE

### 6.1. Block diagram of test setup



### 6.2. Test Procedure

Details see the KDB 558074 D01 15.247 Meas Guidance v05r02

6.2.1 A diode detector and an oscilloscope that together have sufficiently short response time to permit accurate measurements of the on and off times of the transmitted signal.

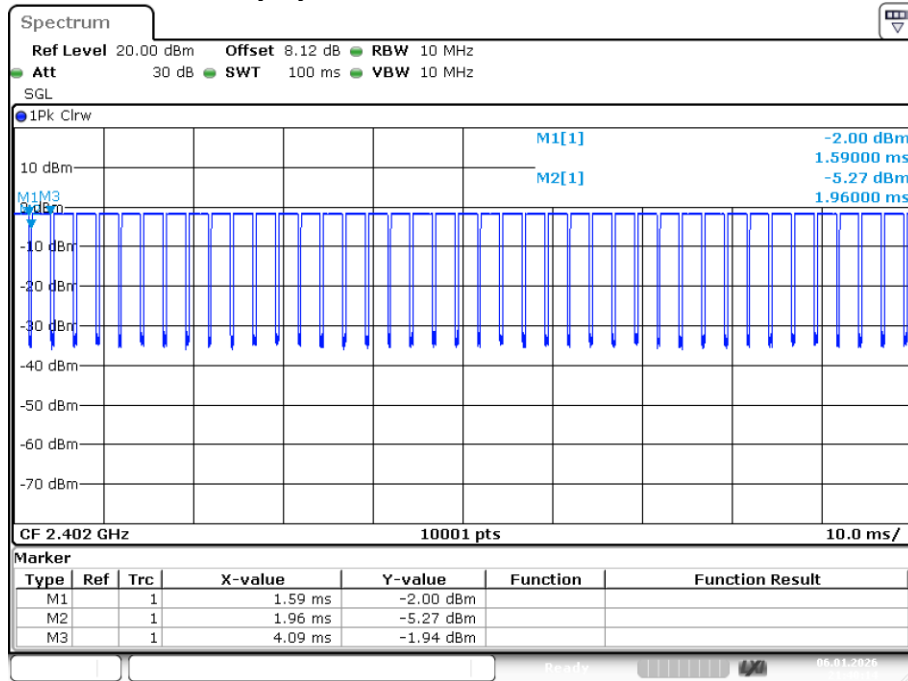
6.2.2 The zero-span mode on a spectrum analyzer or EMI receiver, if the response time and spacing between bins on the sweep are sufficient to permit accurate measurements of the on and off times of the transmitted signal. Set the center frequency of the instrument to the center frequency of the transmission. Set  $RBW \geq EBW$  if possible; otherwise, set RBW to the largest available value. Set  $VBW \geq RBW$ . Set detector = peak or average. The zero-span measurement method shall not be used unless both RBW and VBW are  $> 50/T$ , where  $T$  is defined in II.B.1.a), and the number of sweep points across duration  $T$  exceeds 100. (For example, if VBW and/or RBW are limited to 3 MHz, then the zero-span method of measuring duty cycle shall not be used if  $T \leq 16.7$  microseconds.)

### 6.3. Test Results

Pass

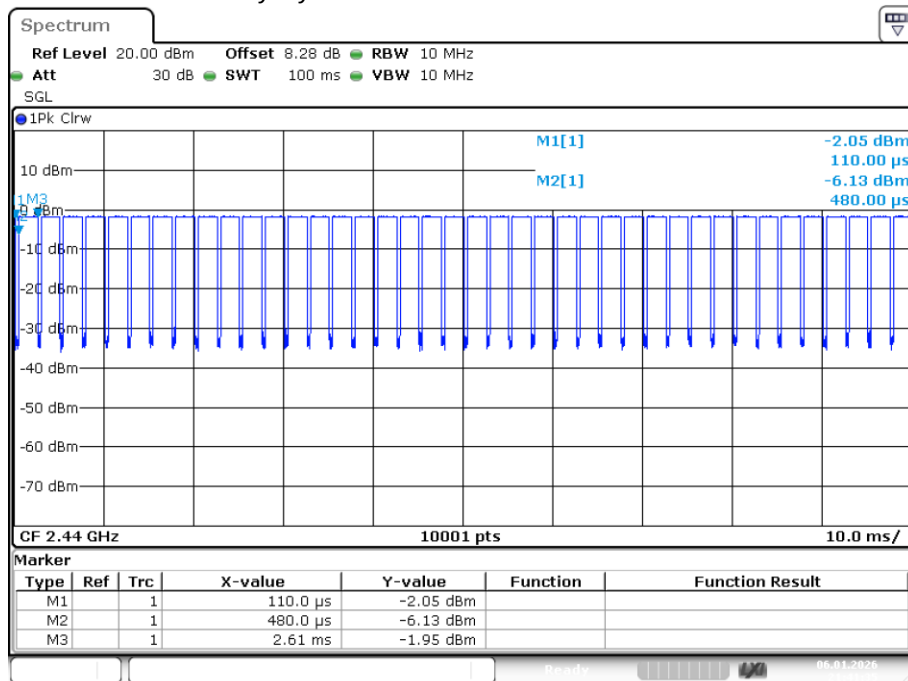
| Condition | Mode   | Frequency (MHz) | Antenna | Duty Cycle (%) | Correction Factor (dB) |
|-----------|--------|-----------------|---------|----------------|------------------------|
| NVNT      | BLE 1M | 2402            | Ant1    | 85.2           | 0.7                    |
| NVNT      | BLE 1M | 2440            | Ant1    | 85.2           | 0.7                    |
| NVNT      | BLE 1M | 2480            | Ant1    | 85.2           | 0.7                    |
| NVNT      | BLE 2M | 2402            | Ant1    | 56.91          | 2.45                   |
| NVNT      | BLE 2M | 2440            | Ant1    | 57.22          | 2.42                   |
| NVNT      | BLE 2M | 2480            | Ant1    | 57.22          | 2.42                   |

## Duty Cycle NVNT BLE 1M 2402MHz Ant1



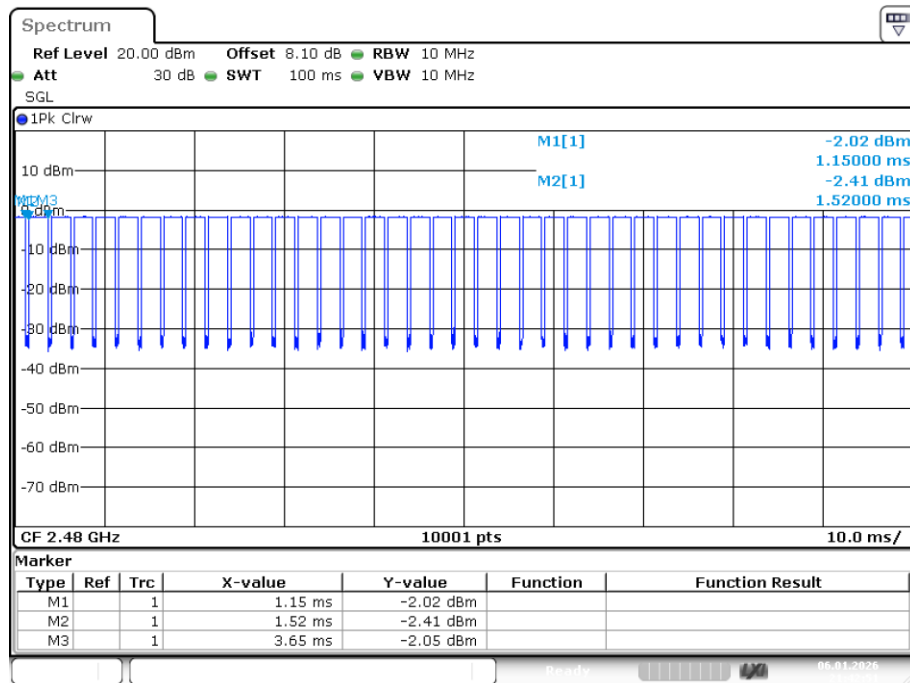
Date: 6.JAN.2026 21:40:14

## Duty Cycle NVNT BLE 1M 2440MHz Ant1



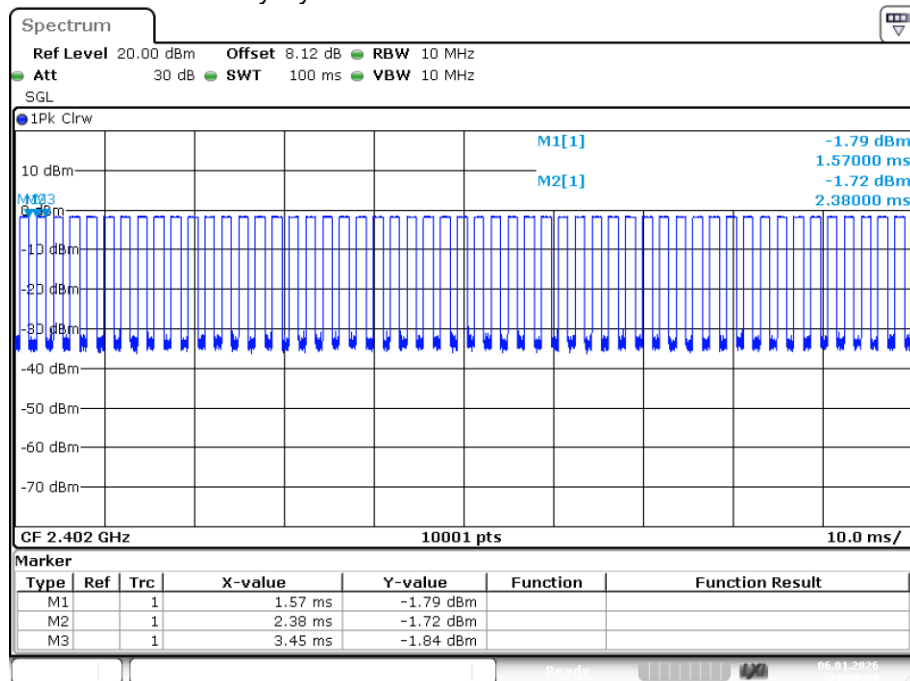
Date: 6.JAN.2026 21:41:34

## Duty Cycle NVNT BLE 1M 2480MHz Ant1



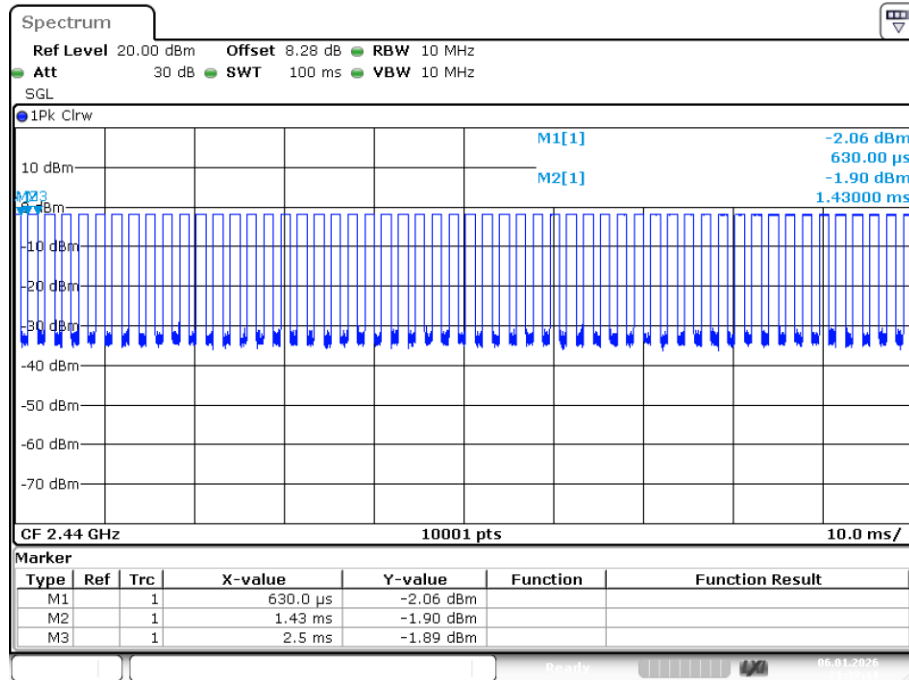
Date: 6.JAN.2026 21:42:51

## Duty Cycle NVNT BLE 2M 2402MHz Ant1



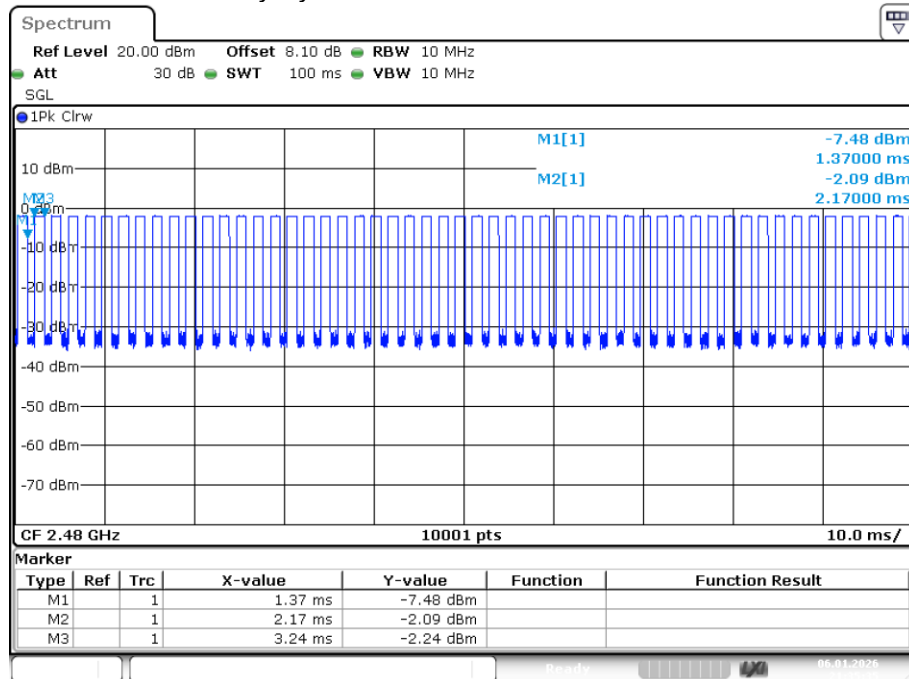
Date: 6.JAN.2026 21:38:33

## Duty Cycle NVNT BLE 2M 2440MHz Ant1



Date: 6.JAN.2026 21:37:10

## Duty Cycle NVNT BLE 2M 2480MHz Ant1



Date: 6.JAN.2026 21:35:34

## 7. MAXIMUM PEAK CONDUCTED OUTPUT POWER

### 7.1. Test limits

Please refer section RSS-247 & 15.247.

Please refer RSS-247 & FCC PART 15: 15.247.

Regulation 15.247(b) The limit of Maximum Peak conducted output power Measurement is 1W(30dBm). The eirp. shall not exceed 4 W(36dBm).

### 7.2. Test Procedure

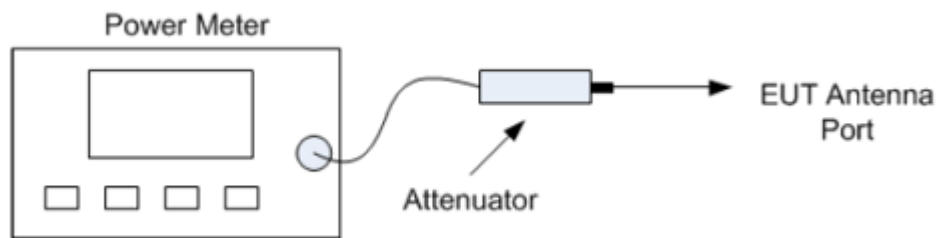
Details see the ANSI C63.10:2020-

7.2.1 Place the EUT on the table and connected to a power meter. The maximum peak conducted output power may be measured using a broadband peak RF power meter. The power meter shall have a video bandwidth that is greater than or equal to the DTS bandwidth and shall utilize a fast-responding diode detector.

7.2.2 At all times when the EUT is transmitting, it must be transmitting at its maximum power control level.

7.2.3 Measure out each mode and each bands Peak output power of EUT

### 7.3. Test Setup



### 7.4. Test Results

| Condition | Mode   | Frequency (MHz) | Antenna | Conducted Power (dBm) | Limit (dBm) | Verdict |
|-----------|--------|-----------------|---------|-----------------------|-------------|---------|
| NVNT      | BLE 1M | 2402            | Ant1    | -0.917                | 30          | Pass    |
| NVNT      | BLE 1M | 2440            | Ant1    | -1.138                | 30          | Pass    |
| NVNT      | BLE 1M | 2480            | Ant1    | -0.994                | 30          | Pass    |
| NVNT      | BLE 2M | 2402            | Ant1    | 0.738                 | 30          | Pass    |
| NVNT      | BLE 2M | 2440            | Ant1    | 0.508                 | 30          | Pass    |
| NVNT      | BLE 2M | 2480            | Ant1    | 0.446                 | 30          | Pass    |

## 8. POWER SPECTRAL DENSITY

### 8.1. Test limits

8.1.1 Please refer section RSS-247 & 15.247.

8.1.2 For direct sequence systems, the peak power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8dBm in any 3kHz band during any time interval of continuous transmission.

8.1.3 The direct sequence operating of the hybrid system, with the frequency hopping operation turned off, shall comply with the power density requirements of paragraph (d) of this section.

### 8.2. Test Procedure

Details see the KDB 558074 D01 15.247 Meas Guidance v05r02

8.2.1 Place the EUT on the table and set it in transmitting mode.

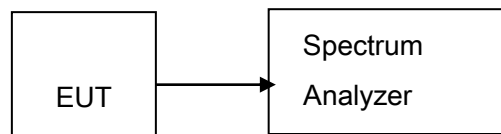
8.2.2 Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to the spectrum analyzer.

8.2.3 Set the spectrum analyzer as  $RBW = 3\text{kHz}$  (Set the RBW to:  $3\text{ kHz} \leq RBW \leq 100\text{ kHz}$ .),  $VBW = 10\text{kHz}$  (Set the  $VBW \geq 3 \times RBW$ ),  $\text{span} = 1.5 \times \text{DTS bandwidth}$ , Detector = peak, detail see the test plot.

8.2.4 Record the max reading.

8.2.5 Repeat the above procedure until the measurements for all frequencies are completed.

### 8.3. Test Setup



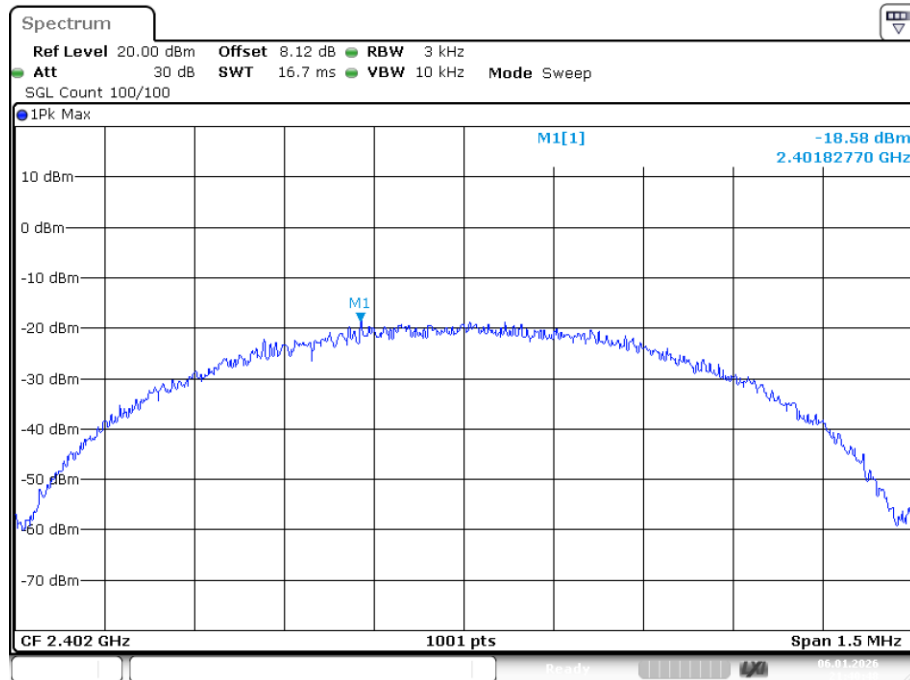
### 8.4. Test Results

Pass

The test results are listed in next pages.

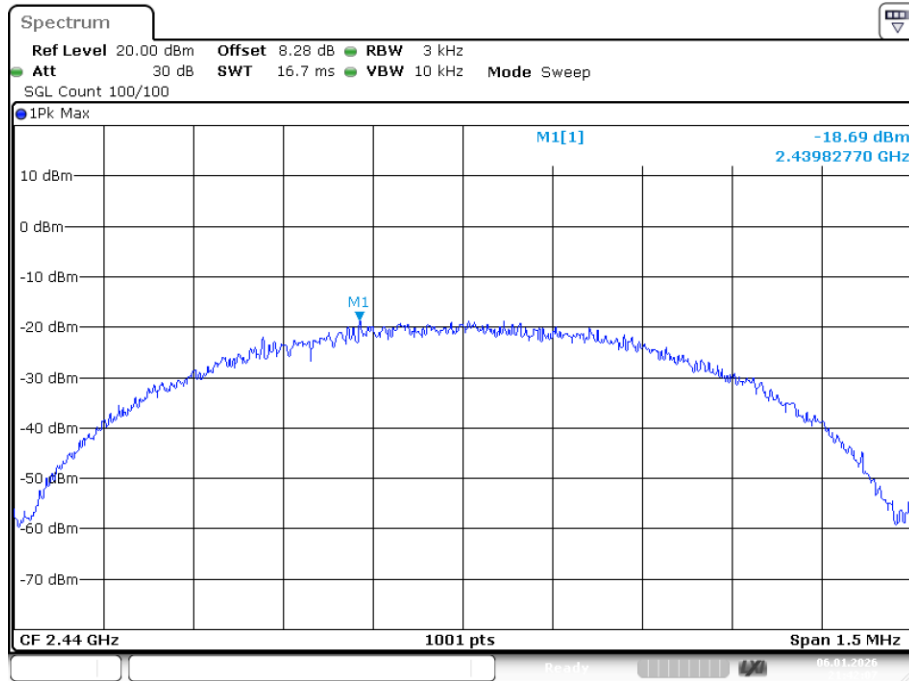
| Condition | Mode   | Frequency (MHz) | Antenna | Conduct PSD (dBm/3KHz) | Limit (dBm/3KHz) | Verdict |
|-----------|--------|-----------------|---------|------------------------|------------------|---------|
| NVNT      | BLE 1M | 2402            | Ant1    | -18.58                 | 8                | Pass    |
| NVNT      | BLE 1M | 2440            | Ant1    | -18.693                | 8                | Pass    |
| NVNT      | BLE 1M | 2480            | Ant1    | -18.583                | 8                | Pass    |
| NVNT      | BLE 2M | 2402            | Ant1    | -20.593                | 8                | Pass    |
| NVNT      | BLE 2M | 2440            | Ant1    | -20.697                | 8                | Pass    |
| NVNT      | BLE 2M | 2480            | Ant1    | -20.759                | 8                | Pass    |

PSD NVNT BLE 1M 2402MHz Ant1



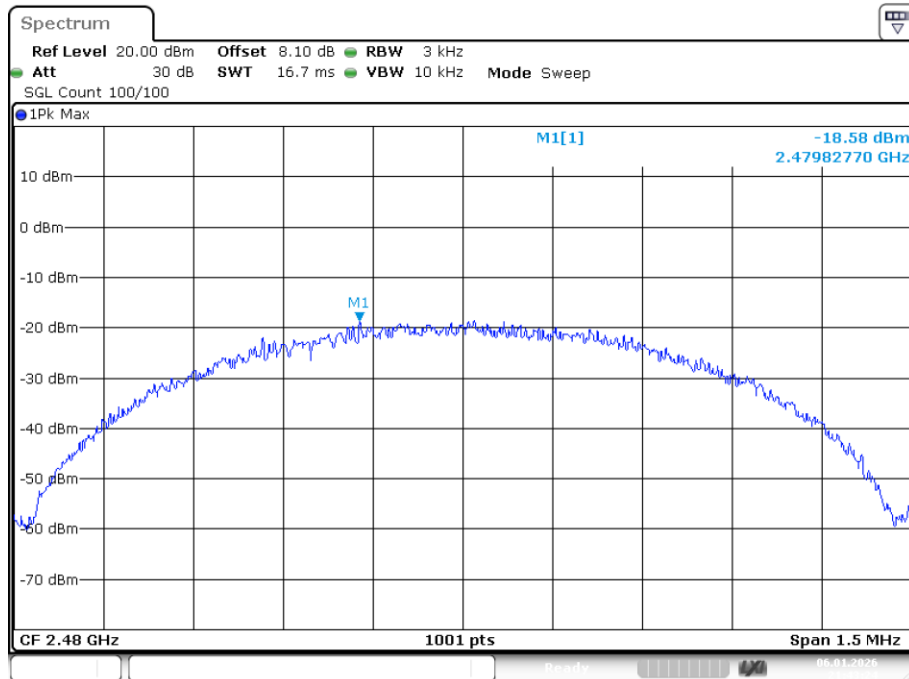
Date: 6.JAN.2026 21:40:48

## PSD NVNT BLE 1M 2440MHz Ant1



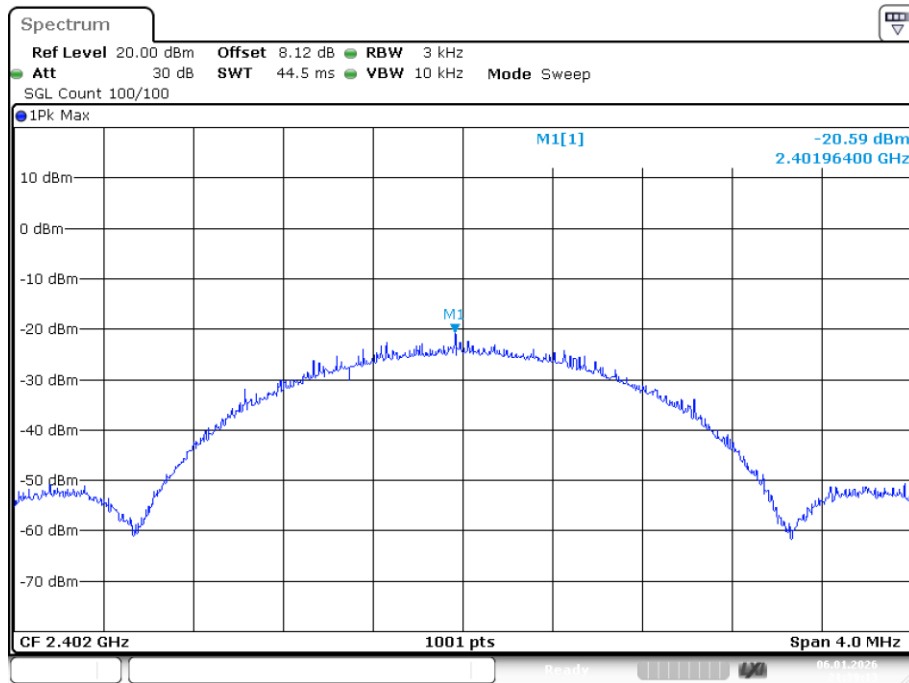
Date: 6.JAN.2026 21:42:07

## PSD NVNT BLE 1M 2480MHz Ant1



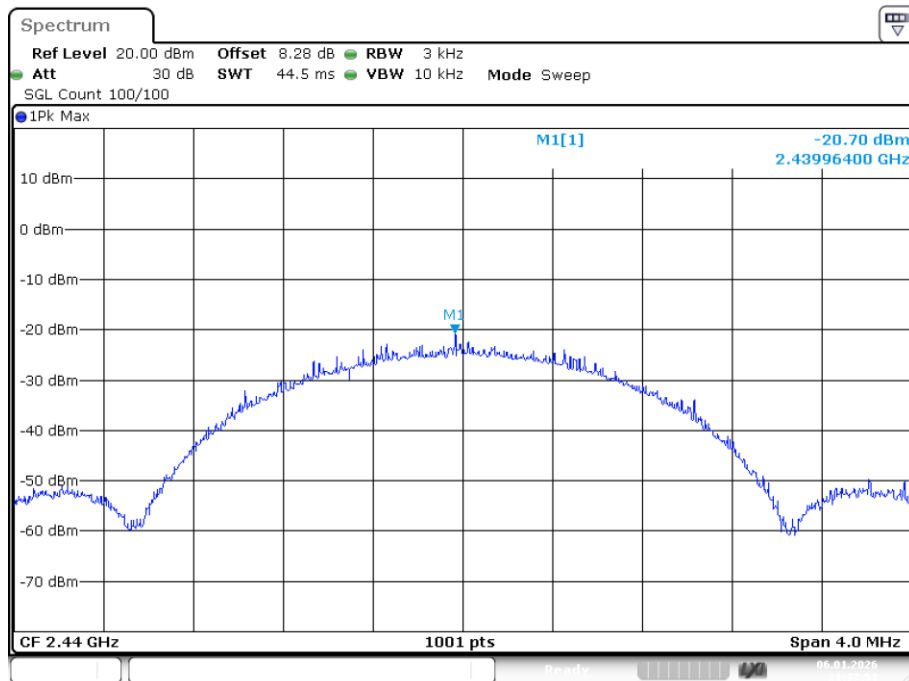
Date: 6.JAN.2026 21:43:24

## PSD NVNT BLE 2M 2402MHz Ant1



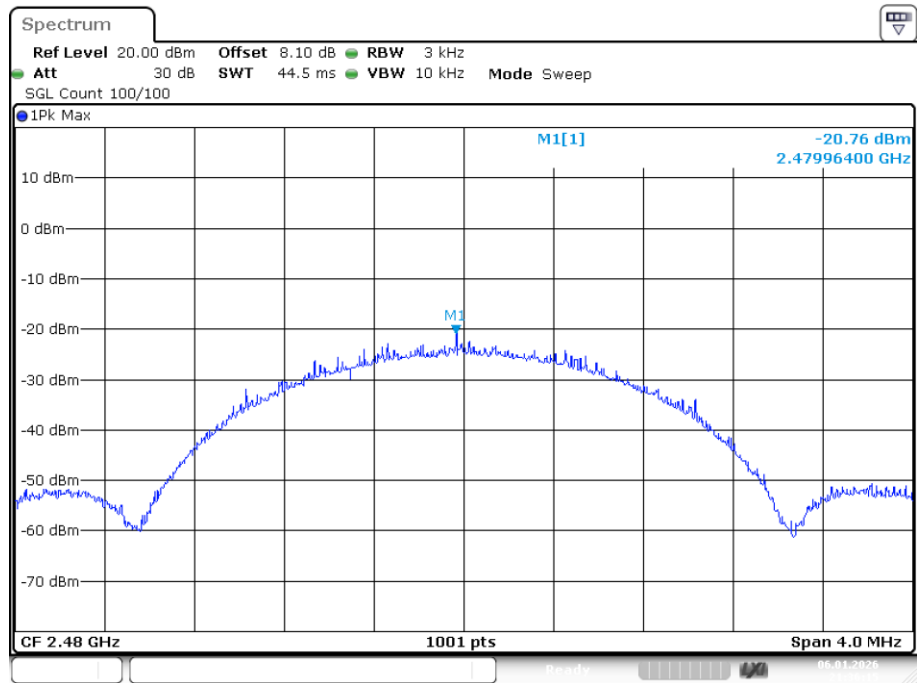
Date: 6.JAN.2026 21:39:13

## PSD NVNT BLE 2M 2440MHz Ant1



Date: 6.JAN.2026 21:37:51

## PSD NVNT BLE 2M 2480MHz Ant1



Date: 6.JAN.2026 21:36:15

## 9. BANDWIDTH

### 9.1. Test limits

Please refer section RSS-247 & 15.247

For direct sequence systems, the minimum 6dB bandwidth shall be at least 500 kHz.

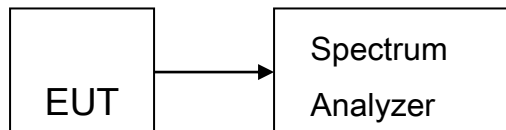
### 9.2. Test Procedure

Details see the KDB 558074 D01 15.247 Meas Guidance v05r02

a) The bandwidth is measured at an amplitude level reduced 20dB from the reference level. The reference level is the level of the highest amplitude signal observed from the transmitter at the fundamental frequency. Once the reference level is established, the equipment is conditioned with typical modulating signal to produce the worst-case (i.e. the widest) bandwidth.

b) The test receiver set RBW = 100kHz, VBW $\geq$ 3\*RBW =300kHz, sweep time set auto, detail see the test plot.

### 9.3. Test Setup

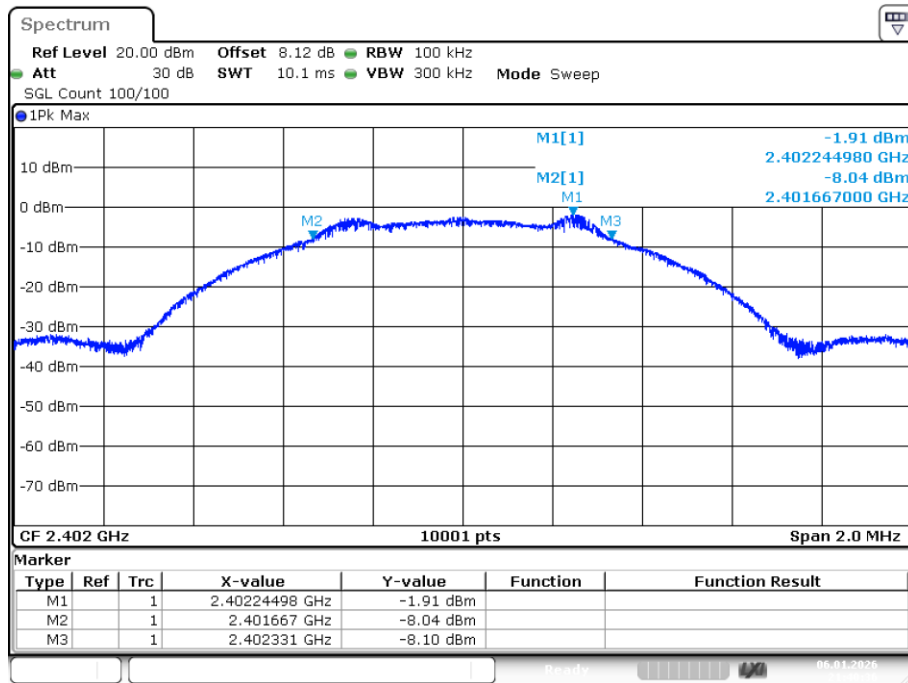


### 9.4. Test Results

#### -6dB Bandwidth

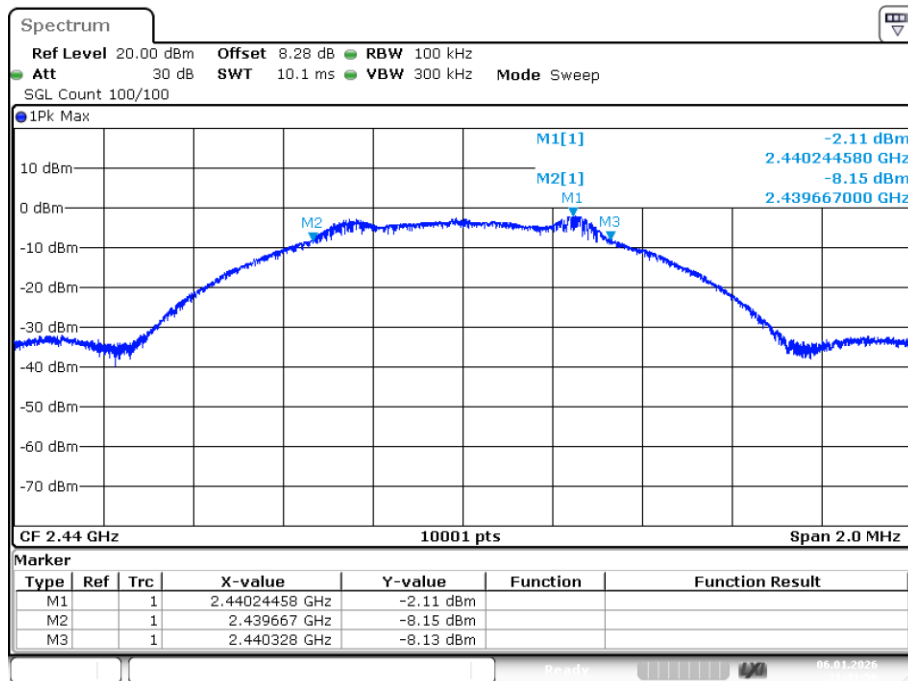
| Condition | Mode   | Frequency (MHz) | Antenna | -6 dB Bandwidth (MHz) | Limit -6 dB Bandwidth (MHz) | Verdict |
|-----------|--------|-----------------|---------|-----------------------|-----------------------------|---------|
| NVNT      | BLE 1M | 2402            | Ant1    | 0.663                 | 0.5                         | Pass    |
| NVNT      | BLE 1M | 2440            | Ant1    | 0.661                 | 0.5                         | Pass    |
| NVNT      | BLE 1M | 2480            | Ant1    | 0.663                 | 0.5                         | Pass    |
| NVNT      | BLE 2M | 2402            | Ant1    | 1.154                 | 0.5                         | Pass    |
| NVNT      | BLE 2M | 2440            | Ant1    | 1.162                 | 0.5                         | Pass    |
| NVNT      | BLE 2M | 2480            | Ant1    | 1.165                 | 0.5                         | Pass    |

## -6dB Bandwidth NVNT BLE 1M 2402MHz Ant1



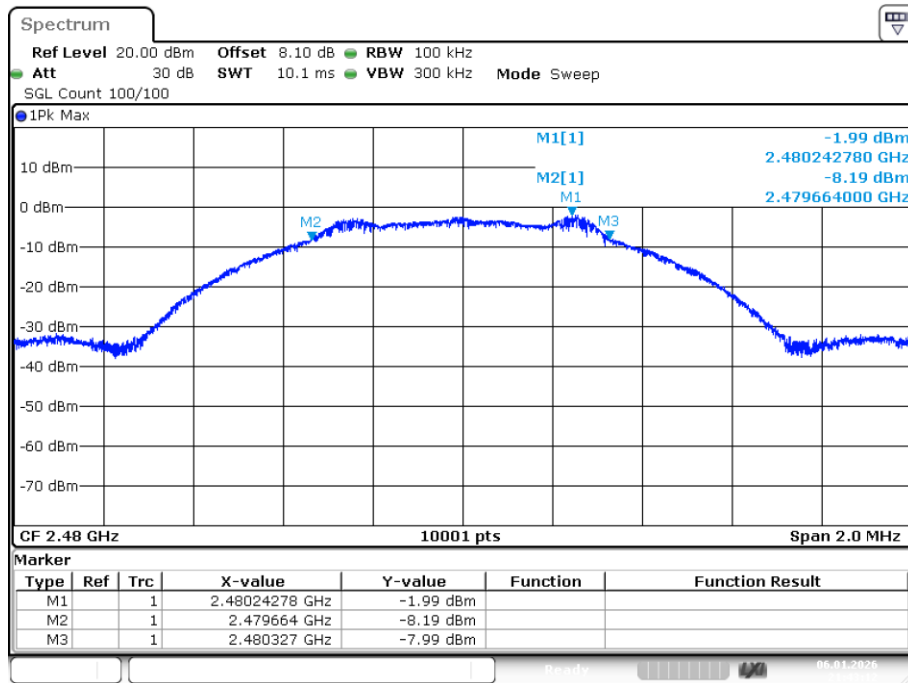
Date: 6.JAN.2026 21:40:36

## -6dB Bandwidth NVNT BLE 1M 2440MHz Ant1



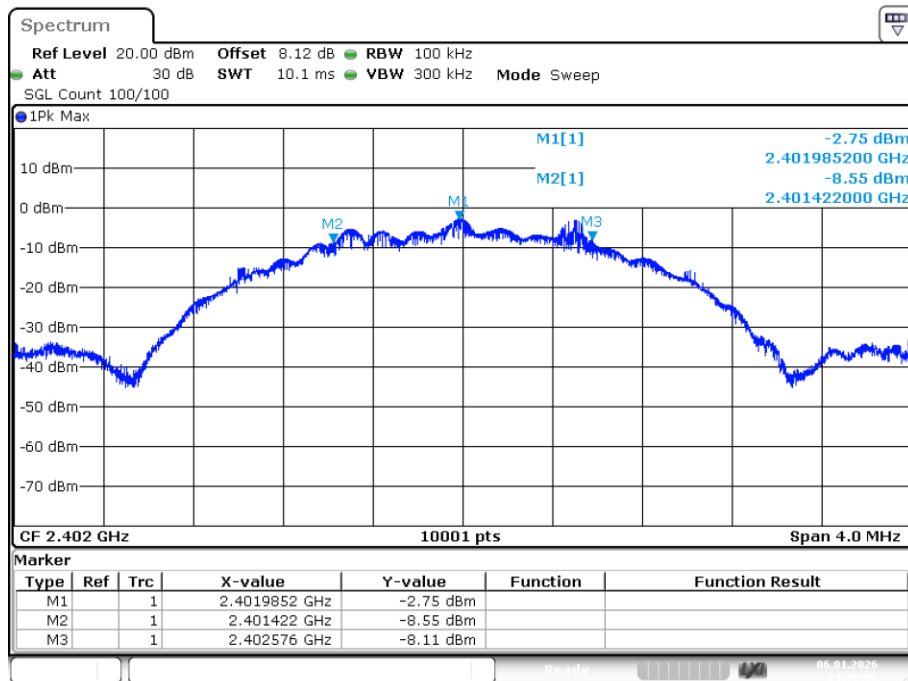
Date: 6.JAN.2026 21:41:56

## -6dB Bandwidth NVNT BLE 1M 2480MHz Ant1



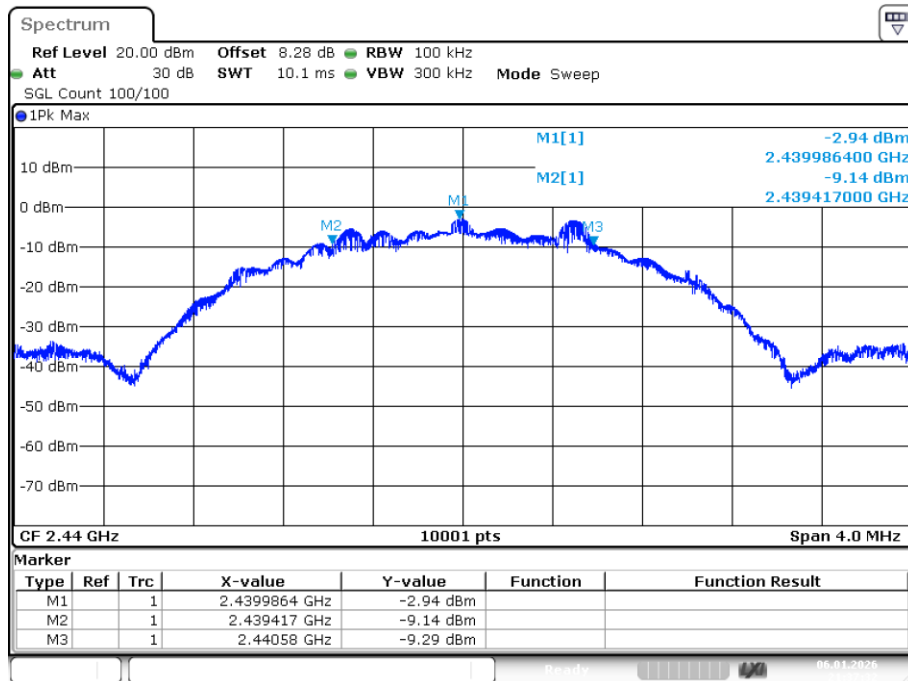
Date: 6.JAN.2026 21:43:12

## -6dB Bandwidth NVNT BLE 2M 2402MHz Ant1



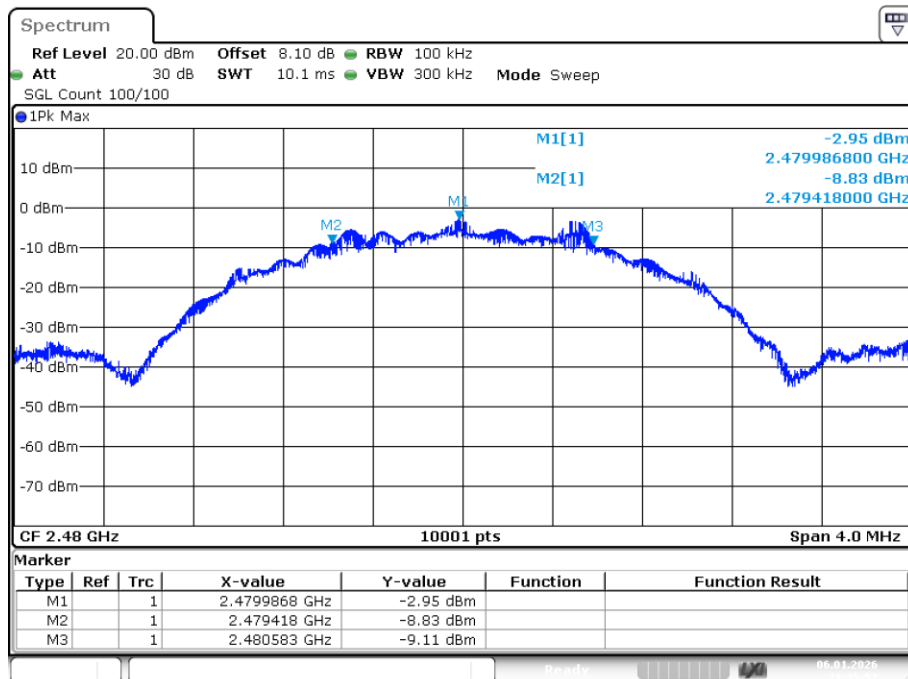
Date: 6.JAN.2026 21:38:55

## -6dB Bandwidth NVNT BLE 2M 2440MHz Ant1



Date: 6.JAN.2026 21:37:32

## -6dB Bandwidth NVNT BLE 2M 2480MHz Ant1

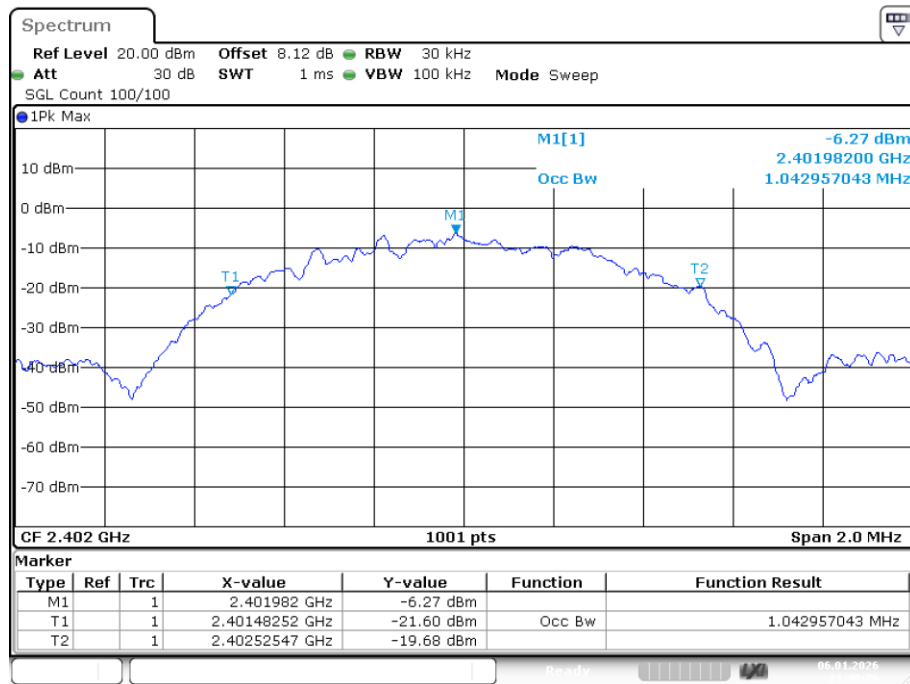


Date: 6.JAN.2026 21:35:57

### Occupied Channel Bandwidth

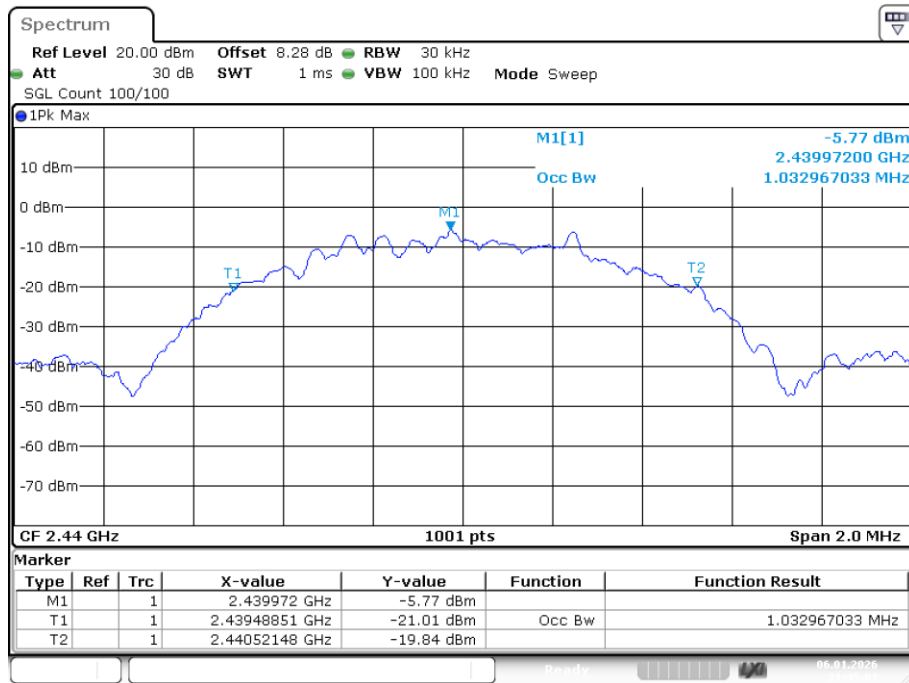
| Condition | Mode   | Frequency (MHz) | Antenna | 99% OBW (MHz) |
|-----------|--------|-----------------|---------|---------------|
| NVNT      | BLE 1M | 2402            | Ant1    | 1.043         |
| NVNT      | BLE 1M | 2440            | Ant1    | 1.033         |
| NVNT      | BLE 1M | 2480            | Ant1    | 1.039         |
| NVNT      | BLE 2M | 2402            | Ant1    | 2.062         |
| NVNT      | BLE 2M | 2440            | Ant1    | 2.054         |
| NVNT      | BLE 2M | 2480            | Ant1    | 2.074         |

### OBW NVNT BLE 1M 2402MHz Ant1



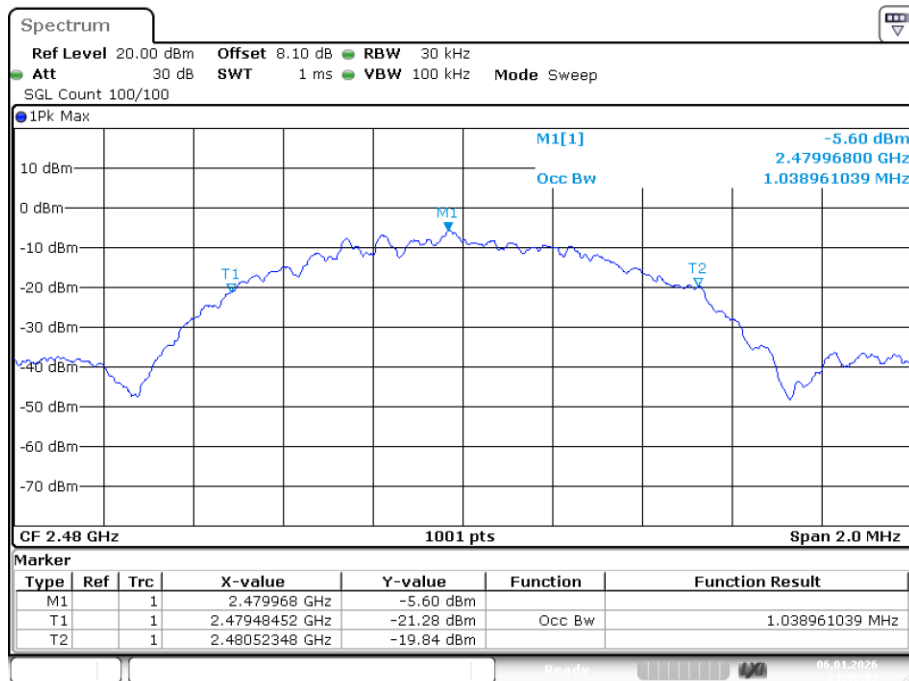
Date: 6.JAN.2026 21:40:27

## OBW NVNT BLE 1M 2440MHz Ant1



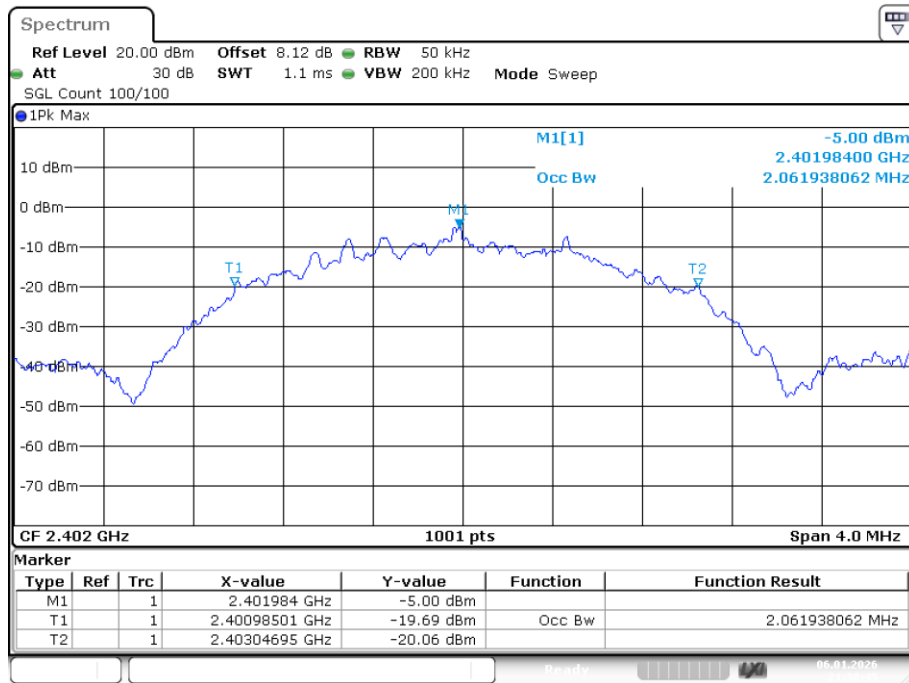
Date: 6.JAN.2026 21:45:01

## OBW NVNT BLE 1M 2480MHz Ant1



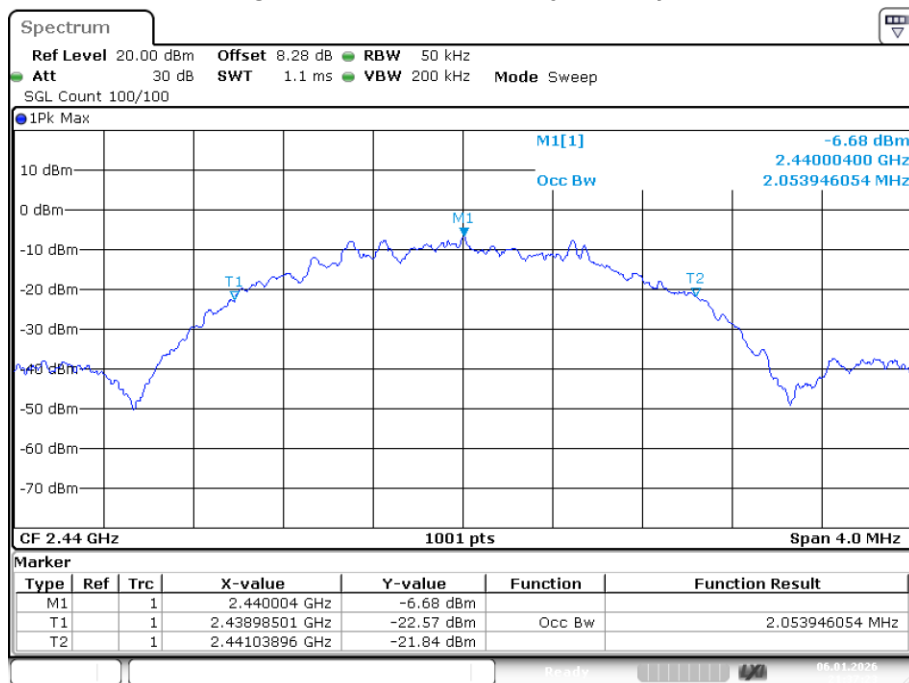
Date: 6.JAN.2026 21:43:03

## OBW NVNT BLE 2M 2402MHz Ant1



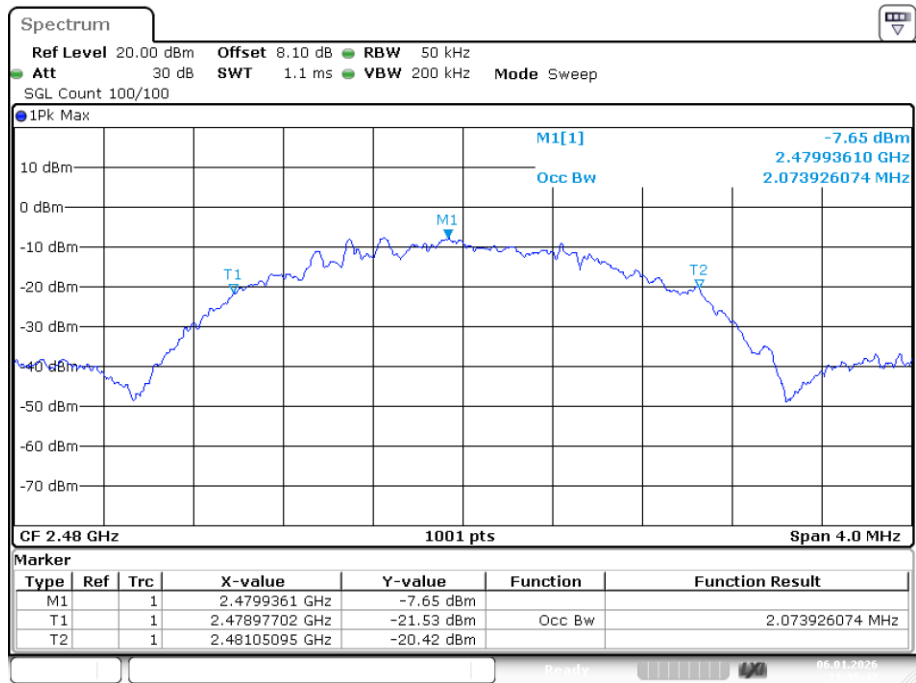
Date: 6.JAN.2026 21:38:46

## OBW NVNT BLE 2M 2440MHz Ant1



Date: 6.JAN.2026 21:37:23

## OBW NVNT BLE 2M 2480MHz Ant1



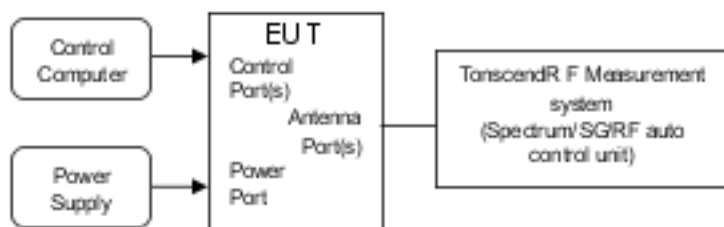
Date: 6.JAN.2026 21:35:47

## 10. BAND EDGE (CONDUCTED)

### 10.1. Test limits

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

### 10.2. Block diagram of test setup



### 10.3. Test Procedure

Details see the KDB 558074 D01 15.247 Meas Guidance v05r02

10.3.1 Put the EUT on a 0.8m high table, power on the EUT. Emissions were scanned and measured rotating the EUT to 360 degrees, Find the maximum Emission

10.3.2 Check the spurious emissions out of band.

10.3.3 RBW 1MHz, VBW 3MHz, peak detector for peak value, RBW 1MHz, VBW 3MHz, RMS detector for AV value.

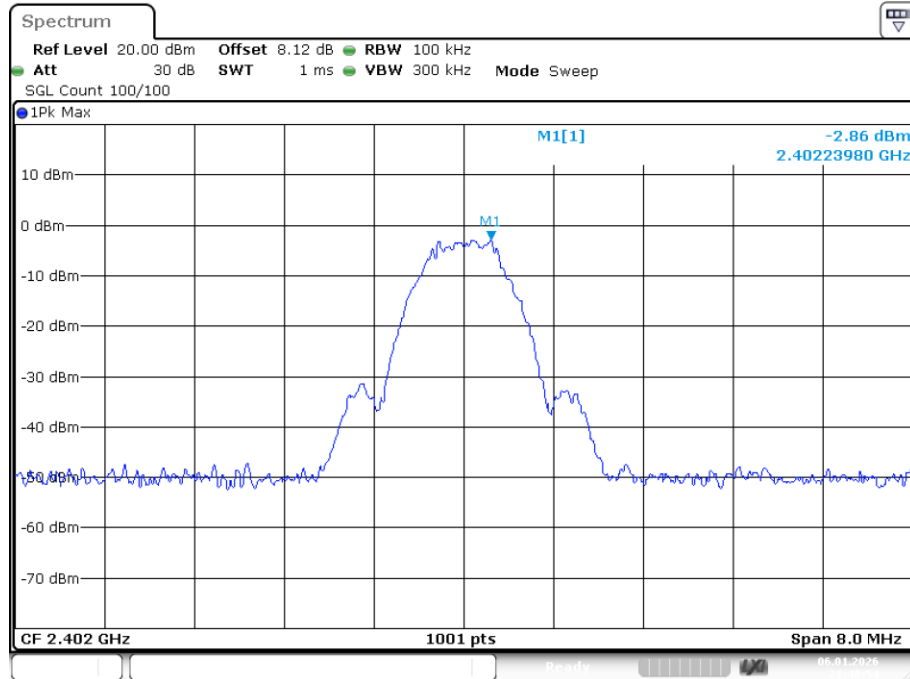
### 10.4. Test Results

Pass

The test results are listed in next pages.

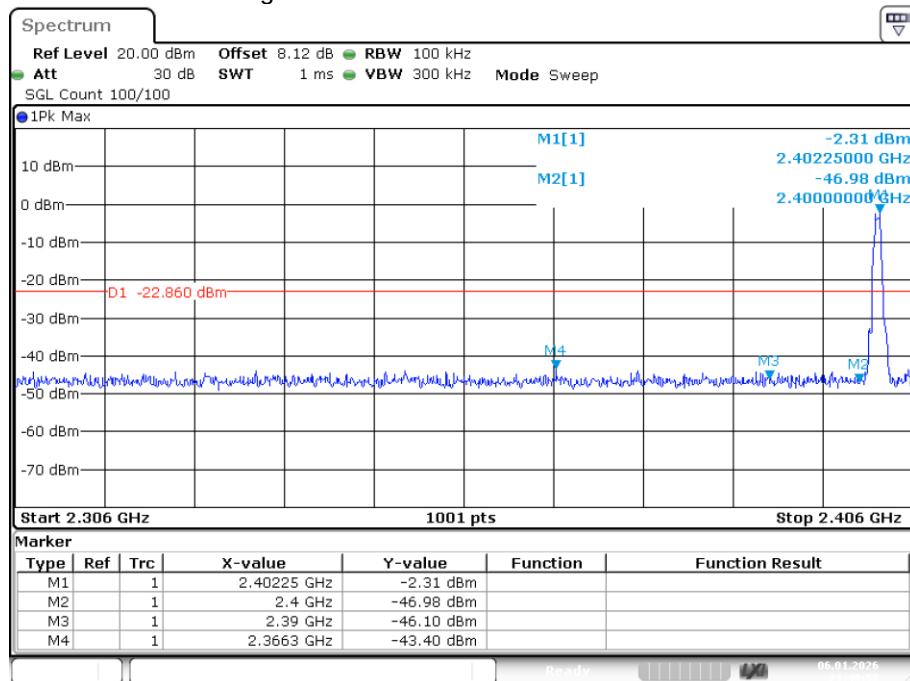
GFSK

## Band Edge NVNT BLE 1M 2402MHz Ant1 Ref



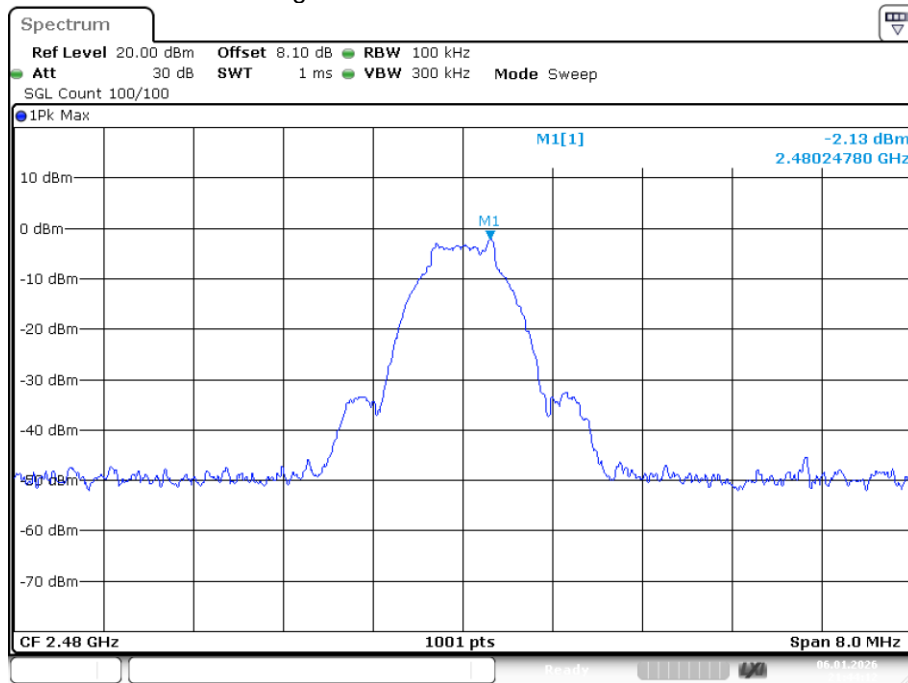
Date: 6.JAN.2026 21:40:54

## Band Edge NVNT BLE 1M 2402MHz Ant1 Emission



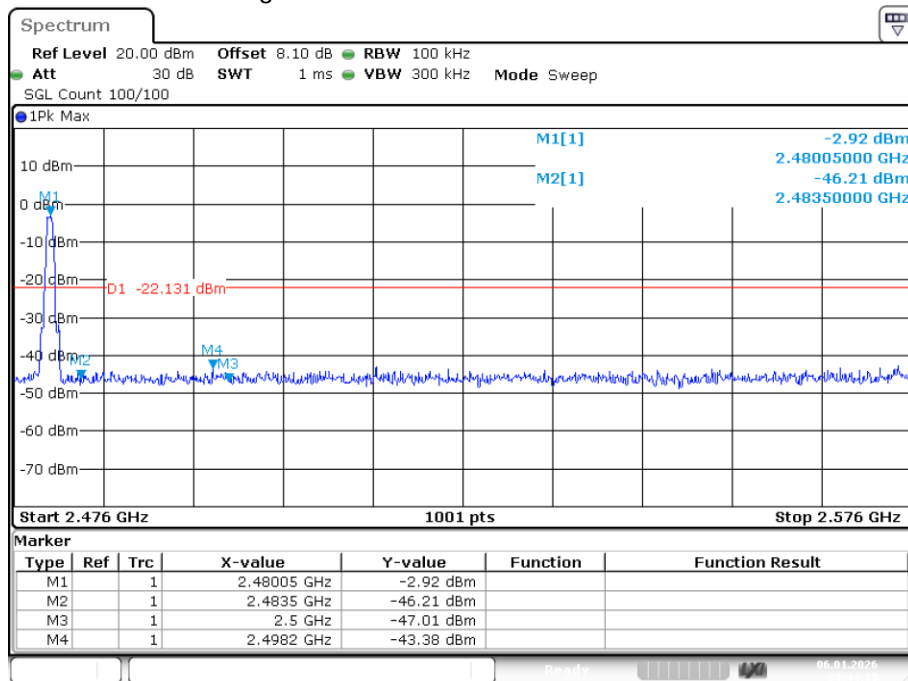
Date: 6.JAN.2026 21:40:58

## Band Edge NVNT BLE 1M 2480MHz Ant1 Ref



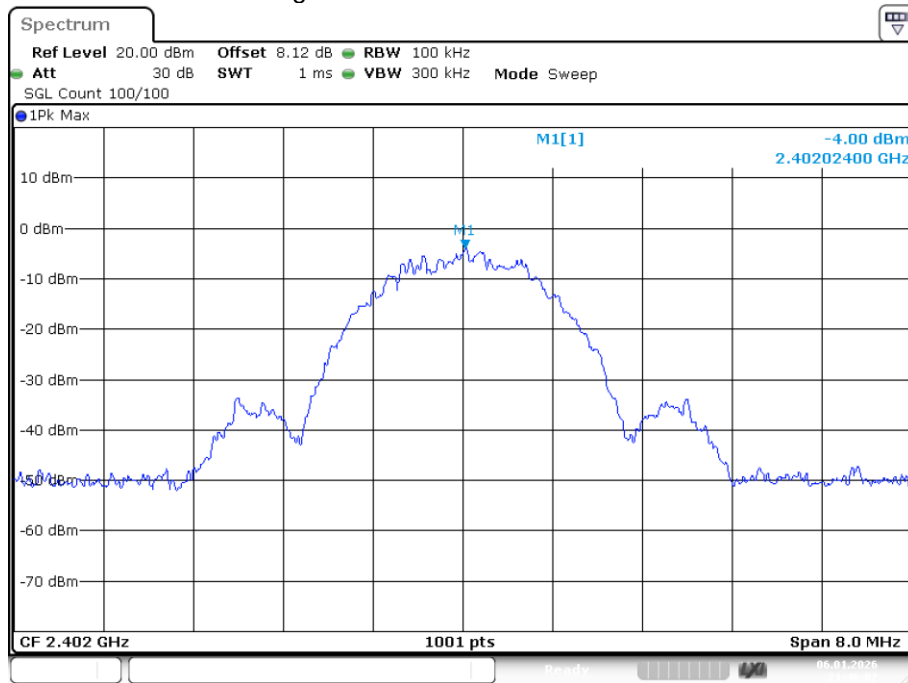
Date: 6.JAN.2026 21:44:11

## Band Edge NVNT BLE 1M 2480MHz Ant1 Emission



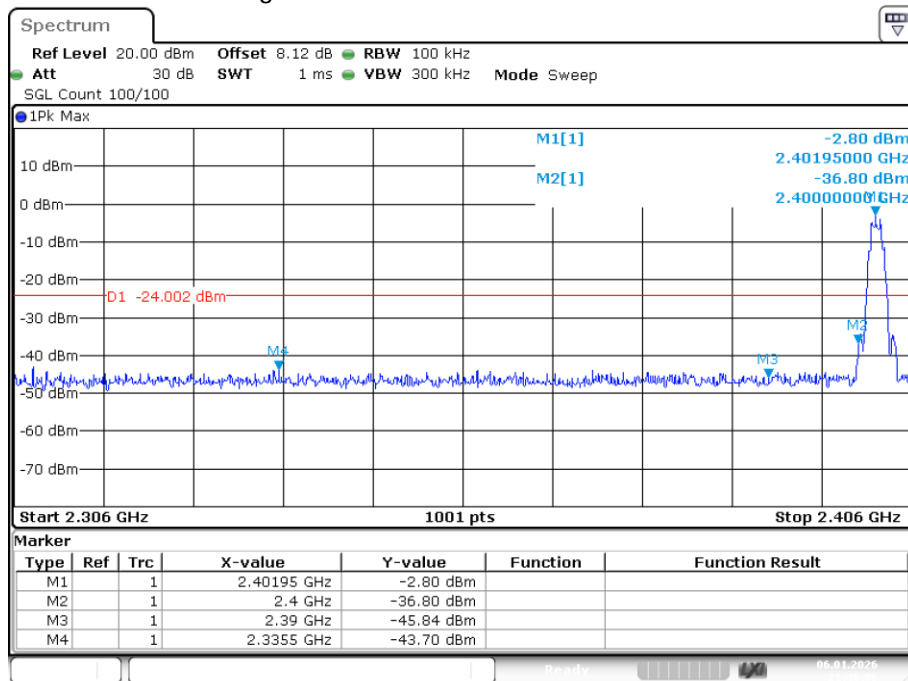
Date: 6.JAN.2026 21:44:15

## Band Edge NVNT BLE 2M 2402MHz Ant1 Ref



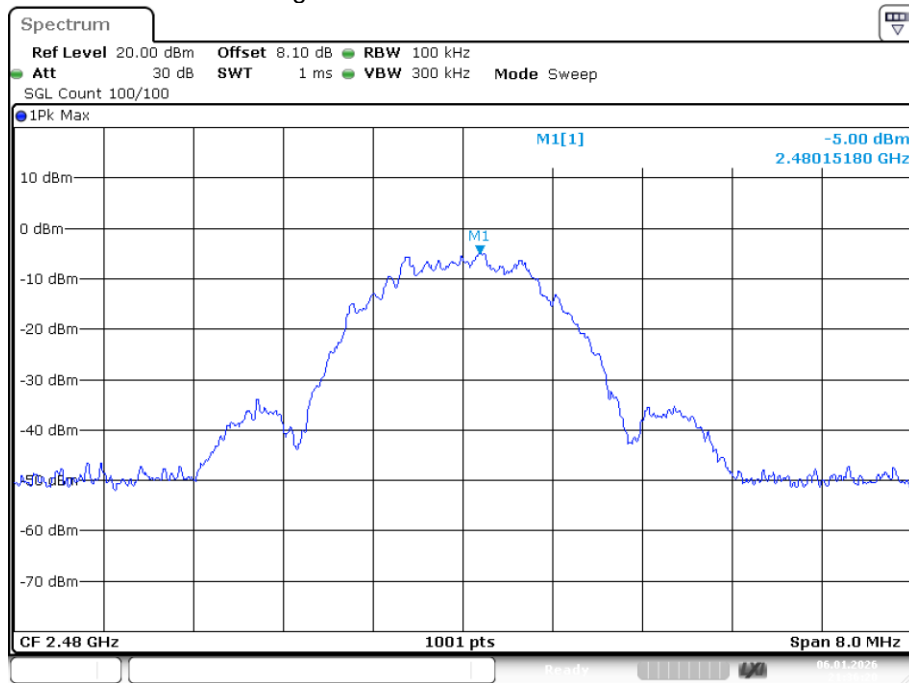
Date: 6.JAN.2026 21:46:02

## Band Edge NVNT BLE 2M 2402MHz Ant1 Emission



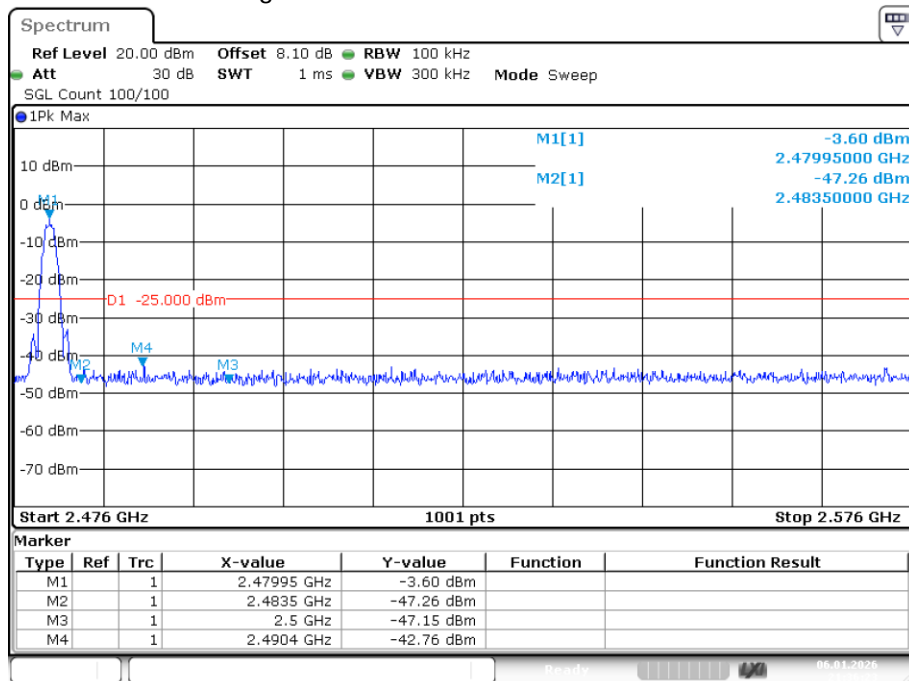
Date: 6.JAN.2026 21:46:06

## Band Edge NVNT BLE 2M 2480MHz Ant1 Ref



Date: 6.JAN.2026 21:36:20

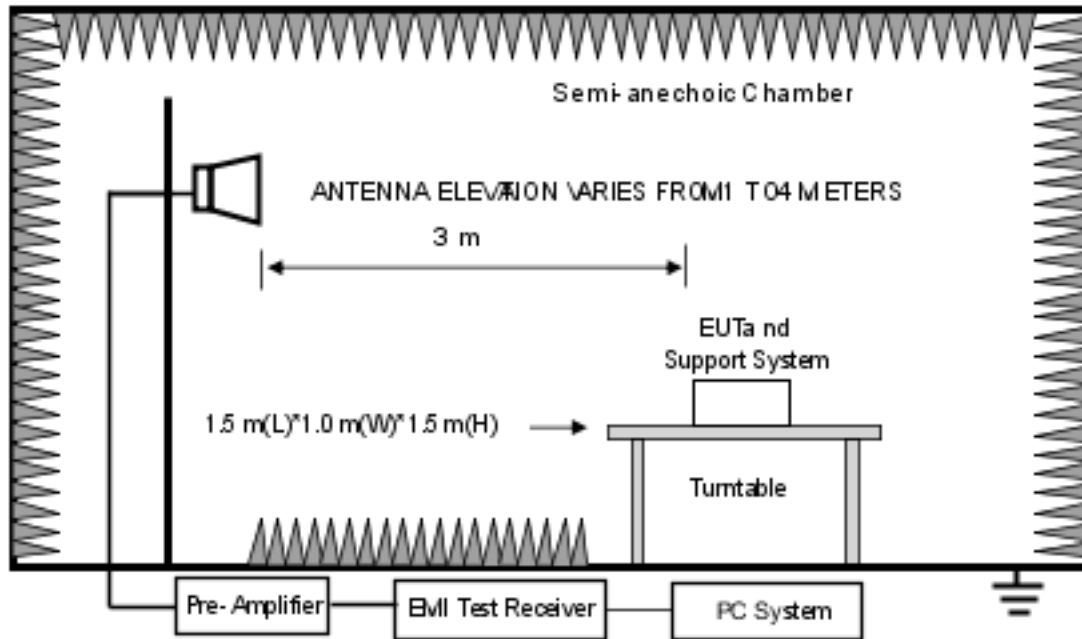
## Band Edge NVNT BLE 2M 2480MHz Ant1 Emission



Date: 6.JAN.2026 21:36:23

## 11. BAND EDGE(RADIATED)

### 11.1. Block diagram of test setup



### 11.2. Limits

Please refer section 15.247.

### 11.3. Test procedure

Details see the KDB 558074 D01 15.247 Meas Guidance v05r02

11.3.1 Put the EUT on a 0.8m high table, power on the EUT. Emissions were scanned and measured rotating the EUT to 360 degrees, Find the maximum Emission

11.3.2 Check the spurious emissions out of band.

11.3.3 RBW 1MHz, VBW 3MHz, peak detector for peak value, RBW 1MHz, VBW 3MHz, RMS detector for AV value.

All restriction band and non- restriction band have been tested, only worse case is reported.

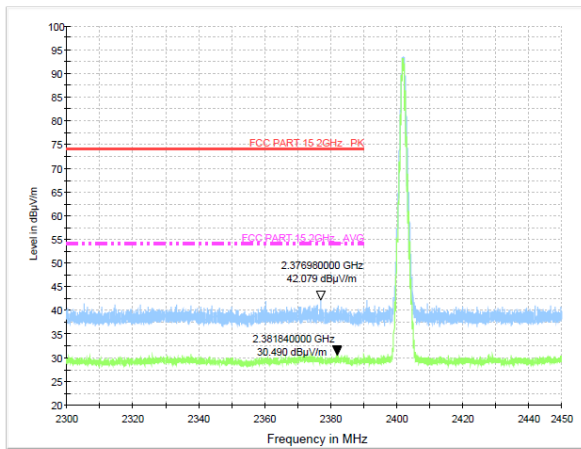
### 11.4. Test Results

Pass

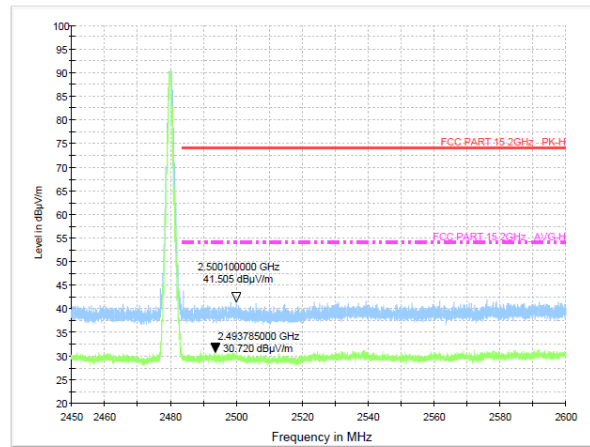
The test results are listed in next pages.

Radiated Method: GFSK(1M)

Test Mode: CH-L

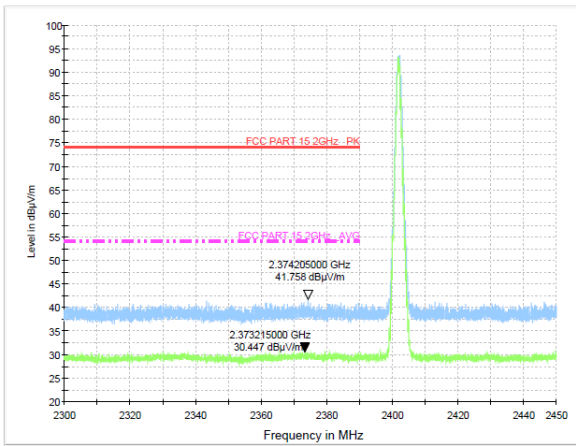


Test Mode: CH-H

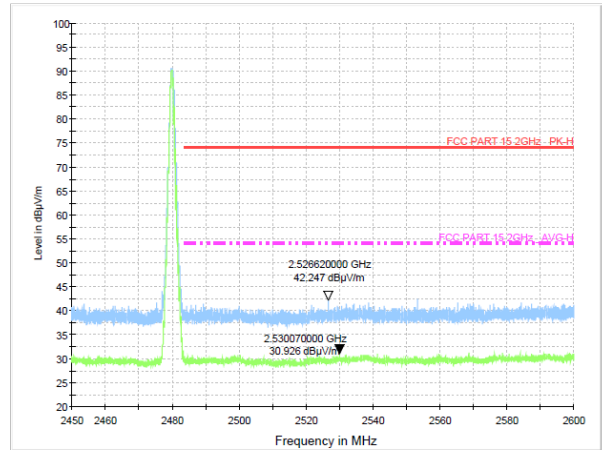


Radiated Method: GFSK(2M)

Test Mode: CH-H



Test Mode: CH-H



## **12. ANTENNA REQUIREMENT**

### **12.1. Standard Requirement**

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator 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.

### **12.2. Antenna Connected Construction**

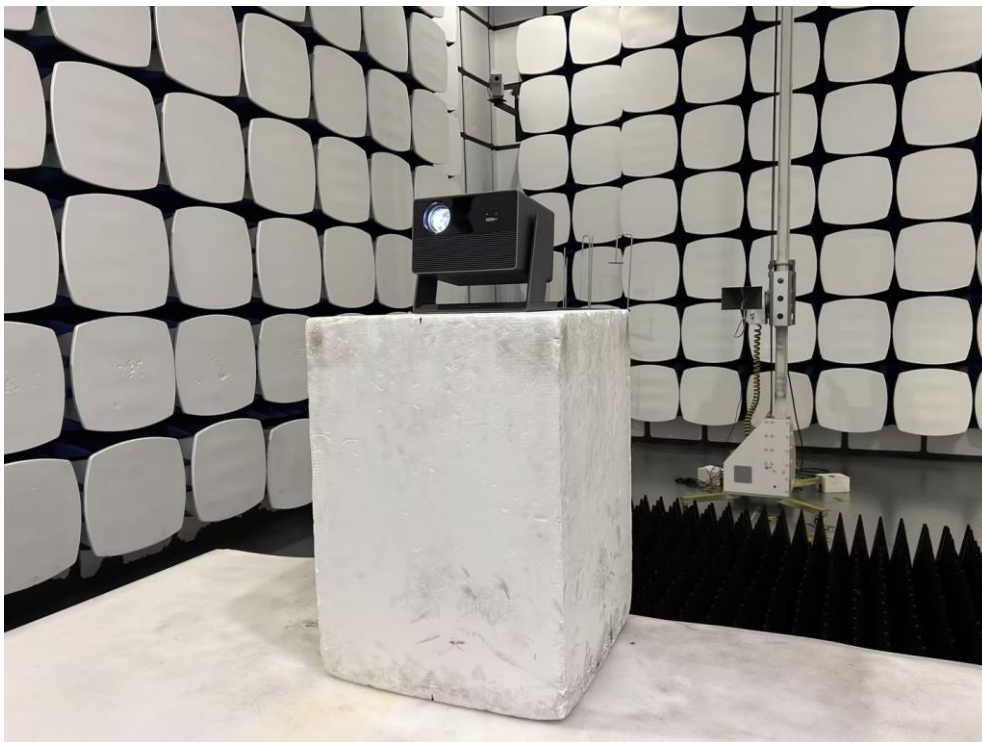
The antenna is internal antenna and no consideration of replacement. Please see EUT photo for details.

### **12.3. Results**

The EUT antenna is Internal Antenna. It complies with the standard requirement.

## 13. TEST SETUP PHOTO

### 13.1. Photo of Radiated Emission test



### 13.2.Photo of Conducted Emission test



## **14. PHOTOS OF EUT**

Please refer to report A2512309-C01-R01.

**-----END OF REPORT-----**