

# RF TEST REPORT

For

**Shenzhen Huafurui Technology Co., Ltd.**

**Product Name: Wireless Earphone**

**Test Model(s): Cubot Neo 1**

**Report Reference No.** : DACE250428029RL001

**FCC ID** : 2AHZ5-NEO

**Applicant's Name** : Shenzhen Huafurui Technology Co., Ltd.

**Address** : Unit 601-03, 6/F, Block A, Building 1, Ganfeng Technology Building, No. 993 Jiaxian Road, Shenzhen, China

**Testing Laboratory** : Shenzhen DACE Testing Technology Co., Ltd.

**Address** : 102, Building H1, & 1/F., Building H, Hongfa Science & Technology Park, Tangtou Community, Shiyan Subdistrict, Bao'an District, Shenzhen, Guangdong, China

**Test Specification Standard** : 47 CFR Part 15.247

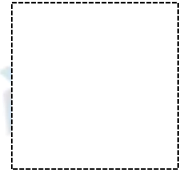
**Date of Receipt** : December 11, 2024

**Date of Test** : December 11, 2024 to December 17, 2024

**Data of Issue** : December 17, 2024

**Result** : Pass

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## Apply for company information

|                                       |   |   |
|---------------------------------------|---|---|
| <b>Applicant's Name</b>               | : | Shenzhen Huafurui Technology Co., Ltd.  |
| <b>Address</b>                        | : | Unit 601-03, 6/F, Block A, Building 1, Ganfeng Technology Building, No. 993 Jiaxian Road, Shenzhen, China |
| <b>Product Name</b>                   | : | Wireless Earphone   |
| <b>Test Model(s)</b>                  | : | Cubot Neo 1   |
| <b>Series Model(s)</b>                | : | N/A   |
| <b>Test Specification Standard(s)</b> | : | 47 CFR Part 15.247  |

### NOTE1:

The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in this report. If the product in this report is used in any configuration other than that detailed in the report, the manufacturer must ensure the new system complies with all relevant standards.

Compiled by:

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December 17, 2024

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December 17, 2024

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December 17, 2024

## Revision History Of Report

| Version | Description | REPORT No.         | Issue Date        |
|---------|-------------|--------------------|-------------------|
| V1.0    | Original    | DACE250428029RL001 | December 17, 2024 |
|         |             |                    |                   |
|         |             |                    |                   |
|         |             |                    |                   |
|         |             |                    |                   |

# CONTENTS

|  |           |
|--|-----------|
| <b>1 TEST SUMMARY</b>                            | <b>6</b>  |
| 1.1 TEST STANDARDS                               | 6         |
| 1.2 SUMMARY OF TEST RESULT                       | 6         |
| <b>2 GENERAL INFORMATION</b>                     | <b>7</b>  |
| 2.1 CLIENT INFORMATION                           | 7         |
| 2.2 DESCRIPTION OF DEVICE (EUT)                  | 7         |
| 2.3 DESCRIPTION OF TEST MODES                    | 8         |
| 2.4 DESCRIPTION OF SUPPORT UNITS                 | 8         |
| 2.5 EQUIPMENTS USED DURING THE TEST              | 9         |
| 2.6 STATEMENT OF THE MEASUREMENT UNCERTAINTY     | 11        |
| 2.7 IDENTIFICATION OF TESTING LABORATORY         | 11        |
| 2.8 ANNOUNCEMENT                                 | 11        |
| <b>3 EVALUATION RESULTS (EVALUATION)</b>         | <b>12</b> |
| 3.1 ANTENNA REQUIREMENT                          | 12        |
| 3.1.1 Conclusion:                                | 12        |
| <b>4 RADIO SPECTRUM MATTER TEST RESULTS (RF)</b> | <b>13</b> |
| 4.1 CONDUCTED EMISSION AT AC POWER LINE          | 13        |
| 4.1.1 E.U.T. Operation:                          | 13        |
| 4.1.2 Test Setup Diagram:                        | 13        |
| 4.1.3 Test Data:                                 | 14        |
| 4.2 MAXIMUM CONDUCTED OUTPUT POWER               | 16        |
| 4.2.1 E.U.T. Operation:                          | 16        |
| 4.2.2 Test Setup Diagram:                        | 16        |
| 4.2.3 Test Data:                                 | 16        |
| 4.3 CHANNEL SEPARATION                           | 17        |
| 4.3.1 E.U.T. Operation:                          | 17        |
| 4.3.2 Test Setup Diagram:                        | 17        |
| 4.3.3 Test Data:                                 | 17        |
| 4.4 NUMBER OF HOPPING FREQUENCIES                | 18        |
| 4.4.1 E.U.T. Operation:                          | 18        |
| 4.4.2 Test Setup Diagram:                        | 18        |
| 4.4.3 Test Data:                                 | 18        |
| 4.5 DWELL TIME                                   | 19        |
| 4.5.1 E.U.T. Operation:                          | 19        |
| 4.5.2 Test Setup Diagram:                        | 19        |
| 4.5.3 Test Data:                                 | 20        |
| 4.6 EMISSIONS IN NON-RESTRICTED FREQUENCY BANDS  | 21        |
| 4.6.1 E.U.T. Operation:                          | 21        |
| 4.6.2 Test Setup Diagram:                        | 21        |
| 4.6.3 Test Data:                                 | 21        |
| 4.7 BAND EDGE EMISSIONS (RADIATED)               | 22        |
| 4.7.1 E.U.T. Operation:                          | 22        |
| 4.7.2 Test Setup Diagram:                        | 22        |
| 4.7.3 Test Data:                                 | 23        |
| 4.8 EMISSIONS IN FREQUENCY BANDS (BELOW 1GHz)    | 27        |
| 4.8.1 E.U.T. Operation:                          | 28        |



|  |           |
|--|-----------|
| 4.8.2 Test Data: .....                                     | 28        |
| <b>4.9 EMISSIONS IN FREQUENCY BANDS (ABOVE 1GHz) .....</b> | <b>30</b> |
| 4.9.1 E.U.T. Operation: .....                              | 31        |
| 4.9.2 Test Data: .....                                     | 31        |
| <b>5 TEST SETUP PHOTOS .....</b>                           | <b>37</b> |
| <b>6 PHOTOS OF THE EUT .....</b>                           | <b>39</b> |
| <b>APPENDIX .....</b>                                      | <b>47</b> |
| 1. DUTY CYCLE .....  | 48        |
| 2. -20dB BANDWIDTH .....                                   | 52        |
| 3. 99% OCCUPIED BANDWIDTH .....                            | 56        |
| 4. PEAK OUTPUT POWER .....                                 | 60        |
| 5. SPURIOUS EMISSIONS .....                                | 64        |
| 6. BANDEDGE .....  | 70        |
| 7. CARRIER FREQUENCIES SEPARATION (HOPPING) .....          | 79        |
| 8. NUMBER OF HOPPING CHANNEL (HOPPING) .....               | 83        |
| 9. DWELL TIME (HOPPING) .....                              | 87        |

# 1 TEST SUMMARY

## 1.1 Test Standards

The tests were performed according to following standards:

**47 CFR Part 15.247:** Operation within the bands 902-928 MHz, 2400-2483.5 MHz, and 5725-5850 MHz

## 1.2 Summary of Test Result

| Item  | Standard           | Method   | Requirement                      | Result |
|---|--------------------|--|----------------------------------|--------|
| Antenna requirement                         | 47 CFR Part 15.247 |  | 47 CFR 15.203                    | Pass   |
| Conducted Emission at AC power line         | 47 CFR Part 15.247 | ANSI C63.10-2013 section 6.2   | 47 CFR 15.207(a)                 | Pass   |
| Maximum Conducted Output Power              | 47 CFR Part 15.247 | ANSI C63.10-2013, section 7.8.5<br>KDB 558074 D01 15.247<br>Meas Guidance v05r02 | 47 CFR 15.247(b)(1)              | Pass   |
| Channel Separation                          | 47 CFR Part 15.247 | ANSI C63.10-2013, section 7.8.2<br>KDB 558074 D01 15.247<br>Meas Guidance v05r02 | 47 CFR 15.247(a)(1)              | Pass   |
| Number of Hopping Frequencies               | 47 CFR Part 15.247 | ANSI C63.10-2013, section 7.8.3<br>KDB 558074 D01 15.247<br>Meas Guidance v05r02 | 47 CFR 15.247(a)(1)(iii)         | Pass   |
| Dwell Time                                  | 47 CFR Part 15.247 | ANSI C63.10-2013, section 7.8.4<br>KDB 558074 D01 15.247<br>Meas Guidance v05r02 | 47 CFR 15.247(a)(1)(iii)         | Pass   |
| Emissions in non-restricted frequency bands | 47 CFR Part 15.247 | ANSI C63.10-2013 section 7.8.8<br>KDB 558074 D01 15.247<br>Meas Guidance v05r02  | 47 CFR 15.247(d), 15.209, 15.205 | Pass   |
| Band edge emissions (Radiated)              | 47 CFR Part 15.247 | ANSI C63.10-2013 section 6.10<br>KDB 558074 D01 15.247<br>Meas Guidance v05r02   | 47 CFR 15.247(d), 15.209, 15.205 | Pass   |
| Emissions in frequency bands (below 1GHz)   | 47 CFR Part 15.247 | ANSI C63.10-2013 section 6.6.4<br>KDB 558074 D01 15.247<br>Meas Guidance v05r02  | 47 CFR 15.247(d), 15.209, 15.205 | Pass   |
| Emissions in frequency bands (above 1GHz)   | 47 CFR Part 15.247 | ANSI C63.10-2013 section 6.6.4<br>KDB 558074 D01 15.247<br>Meas Guidance v05r02  | 47 CFR 15.247(d), 15.209, 15.205 | Pass   |

## 2 GENERAL INFORMATION

### 2.1 Client Information

**Applicant's Name** : Shenzhen Huafurui Technology Co., Ltd.  
**Address** : Unit 601-03, 6/F, Block A, Building 1, Ganfeng Technology Building, No. 993 Jiaxian Road, Shenzhen, China

**Manufacturer** : Shenzhen Huafurui Technology Co., Ltd.  
**Address** : Unit 601-03, 6/F, Block A, Building 1, Ganfeng Technology Building, No. 993 Jiaxian Road, Shenzhen, China

### 2.2 Description of Device (EUT)

|                       |  |
|-----------------------|--|
| Product Name:         | Wireless Earphone                          |
| Model/Type reference: | Cubot Neo 1                                |
| Series Model:         | N/A  |
| Model Difference:     | N/A  |
| Trade Mark:           | CUBOT                                      |
| Power Supply:         | DC 5V/1A from adapter Battery:DC3.7V 40mAH |
| Operation Frequency:  | 2402MHz to 2480MHz                         |
| Number of Channels:   | 79   |
| Modulation Type:      | GFSK, $\pi/4$ DQPSK                        |
| Antenna Type:         | Chip antenna                               |
| Antenna Gain:         | 1.8dBi                                     |
| Hardware Version:     | V1.0                                       |
| Software Version:     | V1.0                                       |

(Remark:The Antenna Gain is supplied by the customer.DACE is not responsible for This data and the related calculations associated with it)

| Operation Frequency each of channel |           |         |           |         |           |         |           |
|-------------------------------------|-----------|---------|-----------|---------|-----------|---------|-----------|
| Channel                             | Frequency | Channel | Frequency | Channel | Frequency | Channel | Frequency |
| 1                                   | 2402MHz   | 21      | 2422MHz   | 41      | 2442MHz   | 61      | 2462MHz   |
| 2                                   | 2403MHz   | 22      | 2423MHz   | 42      | 2443MHz   | 62      | 2463MHz   |
| 3                                   | 2404MHz   | 23      | 2424MHz   | 43      | 2444MHz   | 63      | 2464MHz   |
| 4                                   | 2405MHz   | 24      | 2425MHz   | 44      | 2445MHz   | 64      | 2465MHz   |
| 5                                   | 2406MHz   | 25      | 2426MHz   | 45      | 2446MHz   | 65      | 2466MHz   |
| 6                                   | 2407MHz   | 26      | 2427MHz   | 46      | 2447MHz   | 66      | 2467MHz   |
| 7                                   | 2408MHz   | 27      | 2428MHz   | 47      | 2448MHz   | 67      | 2468MHz   |
| 8                                   | 2409MHz   | 28      | 2429MHz   | 48      | 2449MHz   | 68      | 2469MHz   |
| 9                                   | 2410MHz   | 29      | 2430MHz   | 49      | 2450MHz   | 69      | 2470MHz   |
| 10                                  | 2411MHz   | 30      | 2431MHz   | 50      | 2451MHz   | 70      | 2471MHz   |
| 11                                  | 2412MHz   | 31      | 2432MHz   | 51      | 2452MHz   | 71      | 2472MHz   |
| 12                                  | 2413MHz   | 32      | 2433MHz   | 52      | 2453MHz   | 72      | 2473MHz   |
| 13                                  | 2414MHz   | 33      | 2434MHz   | 53      | 2454MHz   | 73      | 2474MHz   |
| 14                                  | 2415MHz   | 34      | 2435MHz   | 54      | 2455MHz   | 74      | 2475MHz   |

|    |         |    |         |    |         |    |         |
|----|---------|----|---------|----|---------|----|---------|
| 15 | 2416MHz | 35 | 2436MHz | 55 | 2456MHz | 75 | 2476MHz |
| 16 | 2417MHz | 36 | 2437MHz | 56 | 2457MHz | 76 | 2477MHz |
| 17 | 2418MHz | 37 | 2438MHz | 57 | 2458MHz | 77 | 2478MHz |
| 18 | 2419MHz | 38 | 2439MHz | 58 | 2459MHz | 78 | 2479MHz |
| 19 | 2420MHz | 39 | 2440MHz | 59 | 2460MHz | 79 | 2480MHz |
| 20 | 2421MHz | 40 | 2441MHz | 60 | 2461MHz |    |         |

Note:

In section 15.31(m), regards to the operating frequency range over 10 MHz, the Lowest frequency, the middle frequency, and the highest frequency of channel were selected to perform the test, and the selected channel see below:

| Test channel    | Frequency (MHz) |
|-----------------|-----------------|
|                 | BDR/EDR         |
| Lowest channel  | 2402MHz         |
| Middle channel  | 2441MHz         |
| Highest channel | 2480MHz         |

## 2.3 Description of Test Modes

| No   | Title                      | Description   |
|--|----------------------------|---|
| TM1  | TX-GFSK (Non-Hopping)      | Keep the EUT in continuously transmitting mode (non-hopping) with GFSK modulation.      |
| TM2  | TX-Pi/4DQPSK (Non-Hopping) | Keep the EUT in continuously transmitting mode (non-hopping) with Pi/4DQPSK modulation. |
| TM3  | TX-GFSK (Hopping)          | Keep the EUT in continuously transmitting mode (hopping) with GFSK modulation,.         |
| TM4  | TX-Pi/4DQPSK (Hopping)     | Keep the EUT in continuously transmitting mode (hopping) with Pi/4DQPSK modulation.     |
| Remark:Only the data of the worst mode would be recorded in this report. |                            |   |

## 2.4 Description of Support Units

| Title         | Manufacturer      | Model No.   | Serial No. |
|---------------|-------------------|-------------|------------|
| AC-DC adapter | HUAWEI TECHNOLOGY | HW100400C01 |            |

## 2.5 Equipments Used During The Test

| Conducted Emission at AC power line |                 |  |                            |            |              |
|-------------------------------------|-----------------|--|----------------------------|------------|--------------|
| Equipment                           | Manufacturer    | Model No                                   | Inventory No               | Cal Date   | Cal Due Date |
| Power absorbing clamp               | SCHWARZ BECK    | MESS-ELEKTRONIK                            | /                          | 2024-03-25 | 2025-03-24   |
| Electric Network                    | SCHWARZ BECK    | CAT5 8158                                  | CAT5 8158#207              | /          | /            |
| Cable                               | SCHWARZ BECK    | /  | /                          | 2024-03-20 | 2025-03-19   |
| Pulse Limiter                       | SCHWARZ BECK    | VTSD 9561-F Pulse limiter 10dB Attenuation | 561-G071                   | 2024-12-06 | 2025-12-05   |
| 50ΩCoaxial Switch                   | Anritsu         | MP59B                                      | M20531                     | /          | /            |
| Test Receiver                       | Rohde & Schwarz | ESPI TEST RECEIVER                         | ID:1164.6607K 03-102109-MH | 2024-06-12 | 2025-06-11   |
| L.I.S.N                             | R&S             | ESH3-Z5                                    | 831.5518.52                | 2023-12-12 | 2025-12-11   |
| L.I.S.N                             | SCHWARZ BECK    | NSLK 8126                                  | 05055                      | 2024-06-14 | 2025-06-13   |
| Pulse Limiter                       | CYBERTEK        | EM5010A                                    | /                          | 2024-09-27 | 2025-09-26   |
| EMI test software                   | EZ -EMC         | EZ   | V1.1.42                    | /          | /            |

### Emissions in non-restricted frequency bands Maximum Conducted Output Power Channel Separation Number of Hopping Frequencies Dwell Time

| Equipment                           | Manufacturer                                       | Model No | Inventory No | Cal Date   | Cal Due Date |
|-------------------------------------|--|----------|--------------|------------|--------------|
| RF Test Software                    | Tachoy Information Technology(she nzheng) Co.,Ltd. | RTS-01   | V1.0.0       | /          | /            |
| Power divider                       | MIDEWEST   | PWD-2533 | SMA-79       | 2023-05-11 | 2026-05-10   |
| RF Sensor Unit                      | Tachoy Information Technology(she nzheng) Co.,Ltd. | TR1029-2 | 000001       | /          | /            |
| Wideband radio communication tester | R&S  | CMW500   | 113410       | 2024-06-12 | 2025-06-11   |
| Vector Signal Generator             | Keysight   | N5181A   | MY50143455   | 2024-12-06 | 2025-12-05   |
| Signal Generator                    | Keysight   | N5182A   | MY48180415   | 2024-12-06 | 2025-12-05   |
| Spectrum Analyzer                   | Keysight   | N9020A   | MY53420323   | 2024-12-06 | 2025-12-05   |



**Band edge emissions (Radiated)**
**Emissions in frequency bands (below 1GHz)**
**Emissions in frequency bands (above 1GHz)**

| Equipment                           | Manufacturer   | Model No         | Inventory No           | Cal Date   | Cal Due Date |
|-------------------------------------|----------------|------------------|------------------------|------------|--------------|
| EMI Test software                   | Farad          | EZ -EMC          | V1.1.42                | /          | /            |
| Positioning Controller              | MF             | MF-7802          | /                      | /          | /            |
| Amplifier(18-40G)                   | COM-POWER      | AH-1840          | 10100008-1             | 2022-04-05 | 2025-04-04   |
| Horn antenna                        | COM-POWER      | AH-1840 (18-40G) | 10100008               | 2023-04-05 | 2025-04-04   |
| Loop antenna                        | ZHINAN         | ZN30900C         | ZN30900C               | 2024-06-14 | 2026-06-13   |
| Cable(LF)#2                         | Schwarzbeck    | /                | /                      | 2024-02-19 | 2025-02-18   |
| Cable(LF)#1                         | Schwarzbeck    | /                | /                      | 2024-02-19 | 2025-02-18   |
| Cable(HF)#2                         | Schwarzbeck    | AK9515E          | 96250                  | 2024-03-20 | 2025-03-19   |
| Cable(HF)#1                         | Schwarzbeck    | SYV-50-3-1       | /                      | 2024-03-20 | 2025-03-19   |
| Power amplifier(LF)                 | Schwarzbeck    | BBV9743          | 9743-151               | 2024-06-12 | 2025-06-11   |
| Power amplifier(HF)                 | Schwarzbeck    | BBV9718          | 9718-282               | 2024-06-12 | 2025-06-11   |
| Wideband radio communication tester | R&S            | CMW500           | 113410                 | 2024-06-12 | 2025-06-11   |
| Spectrum Analyzer                   | R&S            | FSP30            | 1321.3008K40-101729-jR | 2024-06-12 | 2025-06-11   |
| Test Receiver                       | R&S            | ESCI 3           | 1166.5950K03-101431-Jq | 2024-06-13 | 2025-06-12   |
| Horn Antenna                        | Sunol Sciences | DRH-118          | A091114                | 2023-05-13 | 2025-05-12   |
| Broadband Antenna                   | Sunol Sciences | JB6 Antenna      | A090414                | 2024-09-28 | 2026-09-27   |



## 2.6 Statement Of The Measurement Uncertainty

| Test Item   | Measurement Uncertainty |
|---|-------------------------|
| Conducted Disturbance (0.15~30MHz)  | ±3.41dB                 |
| RF conducted power  | ±0.733dB                |
| Occupied Bandwidth  | ±3.63%                  |
| Duty cycle  | ±3.1%                   |
| Conducted Spurious emissions  | ±1.98dB                 |
| Radiated Emission (Above 1GHz)  | ±5.46dB                 |
| Radiated Emission (Below 1GHz)  | ±5.79dB                 |
| Note: (1) This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2. |                         |

## 2.7 Identification of Testing Laboratory

|               |  |
|---------------|--|
| Company Name: | Shenzhen DACE Testing Technology Co., Ltd.   |
| Address:      | 102, Building H1, & 1/F., Building H, Hongfa Science & Technology Park, Tangtou Community, Shiyao Subdistrict, Bao'an District, Shenzhen, Guangdong, China |
| Phone Number: | +86-13267178997  |
| Fax Number:   | 86-755-29113252  |

### Identification of the Responsible Testing Location

|                                |  |
|--------------------------------|--|
| Company Name:                  | Shenzhen DACE Testing Technology Co., Ltd.   |
| Address:                       | 102, Building H1, & 1/F., Building H, Hongfa Science & Technology Park, Tangtou Community, Shiyao Subdistrict, Bao'an District, Shenzhen, Guangdong, China |
| Phone Number:                  | +86-13267178997  |
| Fax Number:                    | 86-755-29113252  |
| FCC Registration Number:       | 0032847402   |
| Designation Number:            | CN1342   |
| Test Firm Registration Number: | 778666   |
| A2LA Certificate Number:       | 6270.01  |

## 2.8 Announcement

- (1) The test report reference to the report template version v0.
- (2) The test report is invalid if not marked with the signatures of the persons responsible for preparing, reviewing and approving the test report.
- (3) The test report is invalid if there is any evidence and/or falsification.
- (4) This document may not be altered or revised in any way unless done so by DACE and all revisions are duly noted in the revisions section.
- (5) Content of the test report, in part or in full, cannot be used for publicity and/or promotional purposes without prior written approval from the laboratory.
- (6) The laboratory is only responsible for the data released by the laboratory, except for the part provided by the applicant.

### 3 Evaluation Results (Evaluation)

#### 3.1 Antenna requirement

|                   |   |
|-------------------|---|
| Test Requirement: | Refer to 47 CFR Part 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. |
|-------------------|---|

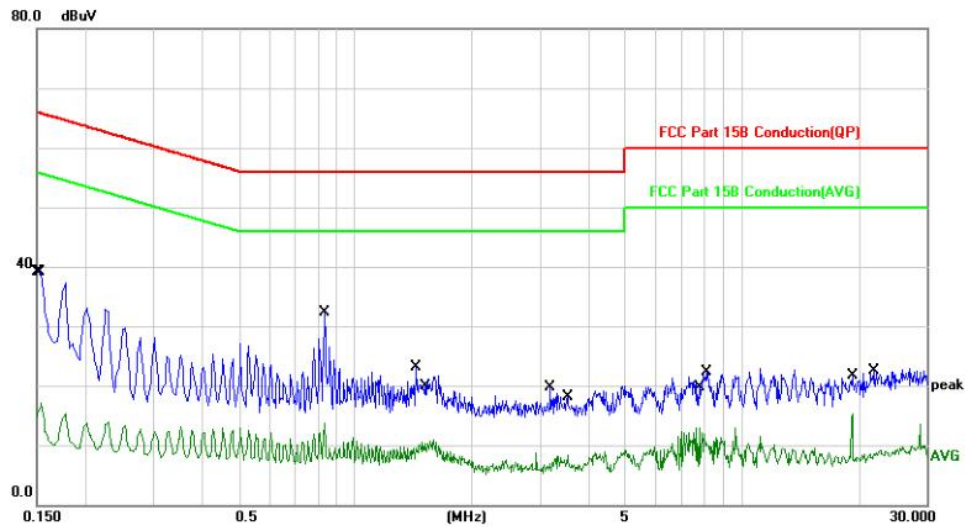
##### 3.1.1 Conclusion:





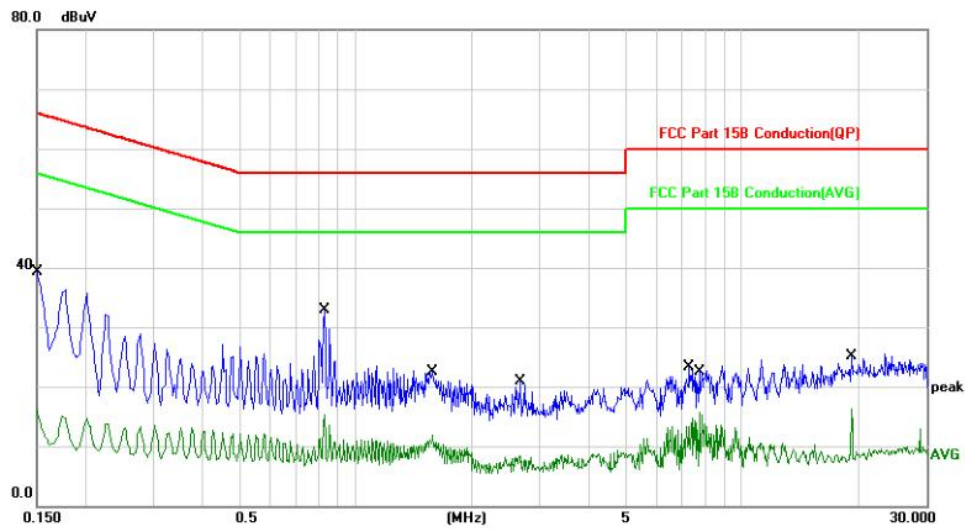
#### 4.1.3 Test Data:

TM1 / Line: Line / Band: 2400-2483.5 MHz / BW: 1 / CH: L



| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV | Limit<br>dBuV | Over<br>dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|--------------------------|---------------|------------|----------|---------|
| 1   |     | 0.1500       | 29.06                    | 10.10                   | 39.16                    | 65.99         | -26.83     | QP       |         |
| 2   |     | 0.1539       | 6.91                     | 10.10                   | 17.01                    | 55.78         | -38.77     | AVG      |         |
| 3   | *   | 0.8340       | 22.18                    | 10.08                   | 32.26                    | 56.00         | -23.74     | QP       |         |
| 4   |     | 0.8340       | 3.66                     | 10.08                   | 13.74                    | 46.00         | -32.26     | AVG      |         |
| 5   |     | 1.4380       | 12.95                    | 10.05                   | 23.00                    | 56.00         | -33.00     | QP       |         |
| 6   |     | 1.4940       | 0.53                     | 10.04                   | 10.57                    | 46.00         | -35.43     | AVG      |         |
| 7   |     | 3.2060       | 9.57                     | 10.08                   | 19.65                    | 56.00         | -36.35     | QP       |         |
| 8   |     | 3.5340       | -1.87                    | 10.12                   | 8.25                     | 46.00         | -37.75     | AVG      |         |
| 9   |     | 7.7540       | 2.66                     | 10.27                   | 12.93                    | 50.00         | -37.07     | AVG      |         |
| 10  |     | 8.0900       | 12.12                    | 10.28                   | 22.40                    | 60.00         | -37.60     | QP       |         |
| 11  |     | 19.2260      | 4.76                     | 10.57                   | 15.33                    | 50.00         | -34.67     | AVG      |         |
| 12  |     | 22.0620      | 11.73                    | 10.69                   | 22.42                    | 60.00         | -37.58     | QP       |         |

TM1 / Line: Neutral / Band: 2400-2483.5 MHz / BW: 1 / CH: L



| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV | Limit<br>dBuV | Over<br>dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|--------------------------|---------------|------------|----------|---------|
| 1   |     | 0.1500       | 29.29                    | 10.10                   | 39.39                    | 65.99         | -26.60     | QP       |         |
| 2   |     | 0.1500       | 5.92                     | 10.10                   | 16.02                    | 55.99         | -39.97     | AVG      |         |
| 3   | *   | 0.8340       | 22.74                    | 10.08                   | 32.82                    | 56.00         | -23.18     | QP       |         |
| 4   |     | 0.8340       | 5.15                     | 10.08                   | 15.23                    | 46.00         | -30.77     | AVG      |         |
| 5   |     | 1.5900       | 12.52                    | 10.03                   | 22.55                    | 56.00         | -33.45     | QP       |         |
| 6   |     | 1.5900       | 1.87                     | 10.03                   | 11.90                    | 46.00         | -34.10     | AVG      |         |
| 7   |     | 2.6740       | 10.93                    | 10.04                   | 20.97                    | 56.00         | -35.03     | QP       |         |
| 8   |     | 2.6740       | -1.78                    | 10.04                   | 8.26                     | 46.00         | -37.74     | AVG      |         |
| 9   |     | 7.2980       | 13.03                    | 10.24                   | 23.27                    | 60.00         | -36.73     | QP       |         |
| 10  |     | 7.7540       | 5.42                     | 10.27                   | 15.69                    | 50.00         | -34.31     | AVG      |         |
| 11  |     | 19.2220      | 14.62                    | 10.57                   | 25.19                    | 60.00         | -34.81     | QP       |         |
| 12  |     | 19.2220      | 5.73                     | 10.57                   | 16.30                    | 50.00         | -33.70     | AVG      |         |



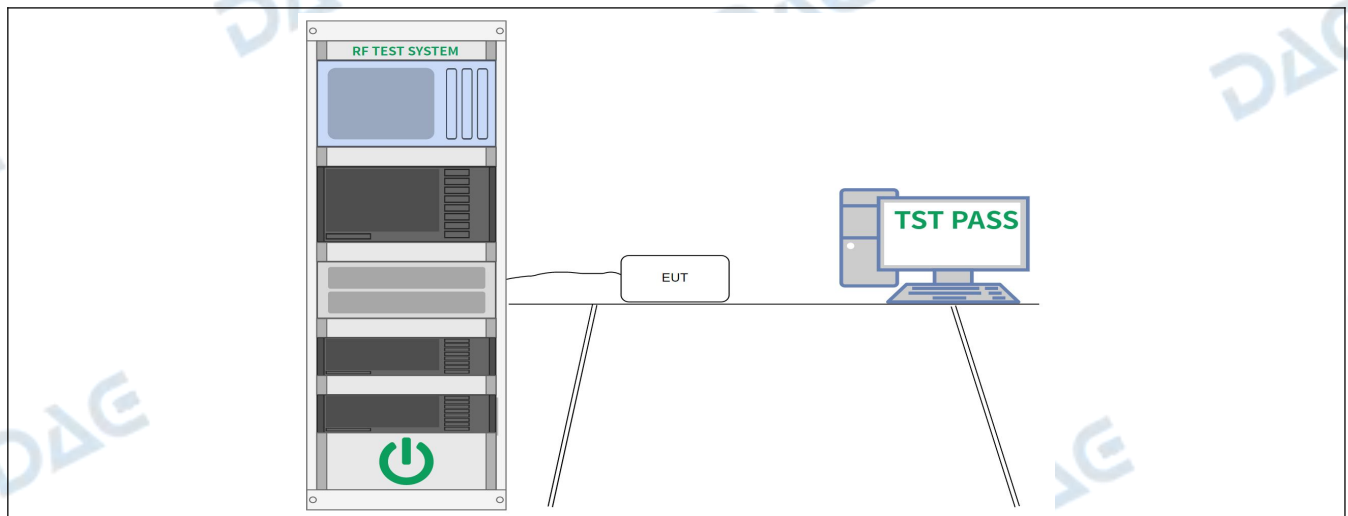
## 4.2 Maximum Conducted Output Power

|                   |   |
|-------------------|---|
| Test Requirement: | 47 CFR 15.247(b)(1)   |
| Test Limit:       | Refer to 47 CFR 15.247(b)(1), For frequency hopping systems operating in the 2400-2483.5 MHz band employing at least 75 non-overlapping hopping channels, and all frequency hopping systems in the 5725-5850 MHz band: 1 watt. For all other frequency hopping systems in the 2400-2483.5 MHz band: 0.125 watts.  |
| Test Method:      | ANSI C63.10-2013, section 7.8.5<br>KDB 558074 D01 15.247 Meas Guidance v05r02   |
| Procedure:        | <p>This is an RF-conducted test to evaluate maximum peak output power. Use a direct connection between the antenna port of the unlicensed wireless device and the spectrum analyzer, through suitable attenuation. The hopping shall be disabled for this test:</p> <p>a) Use the following spectrum analyzer settings:</p> <ol style="list-style-type: none"> <li>1) Span: Approximately five times the 20 dB bandwidth, centered on a hopping channel.</li> <li>2) RBW &gt; 20 dB bandwidth of the emission being measured.</li> <li>3) VBW &gt;= RBW.</li> <li>4) Sweep: Auto.</li> <li>5) Detector function: Peak.</li> <li>6) Trace: Max hold.</li> </ol> <p>b) Allow trace to stabilize.</p> <p>c) Use the marker-to-peak function to set the marker to the peak of the emission.</p> <p>d) The indicated level is the peak output power, after any corrections for external attenuators and cables.</p> <p>e) A plot of the test results and setup description shall be included in the test report.</p> <p>NOTE—A peak responding power meter may be used, where the power meter and sensor system video bandwidth is greater than the occupied bandwidth of the unlicensed wireless device, rather than a spectrum analyzer.</p> |

### 4.2.1 E.U.T. Operation:

|                        |          |           |      |                       |         |
|------------------------|----------|-----------|------|-----------------------|---------|
| Operating Environment: |          |           |      |                       |         |
| Temperature:           | 23 °C    | Humidity: | 55 % | Atmospheric Pressure: | 102 kPa |
| Pretest mode:          | TM1, TM2 |           |      |                       |         |
| Final test mode:       | TM1, TM2 |           |      |                       |         |

### 4.2.2 Test Setup Diagram:



### 4.2.3 Test Data:

Please Refer to Appendix for Details.



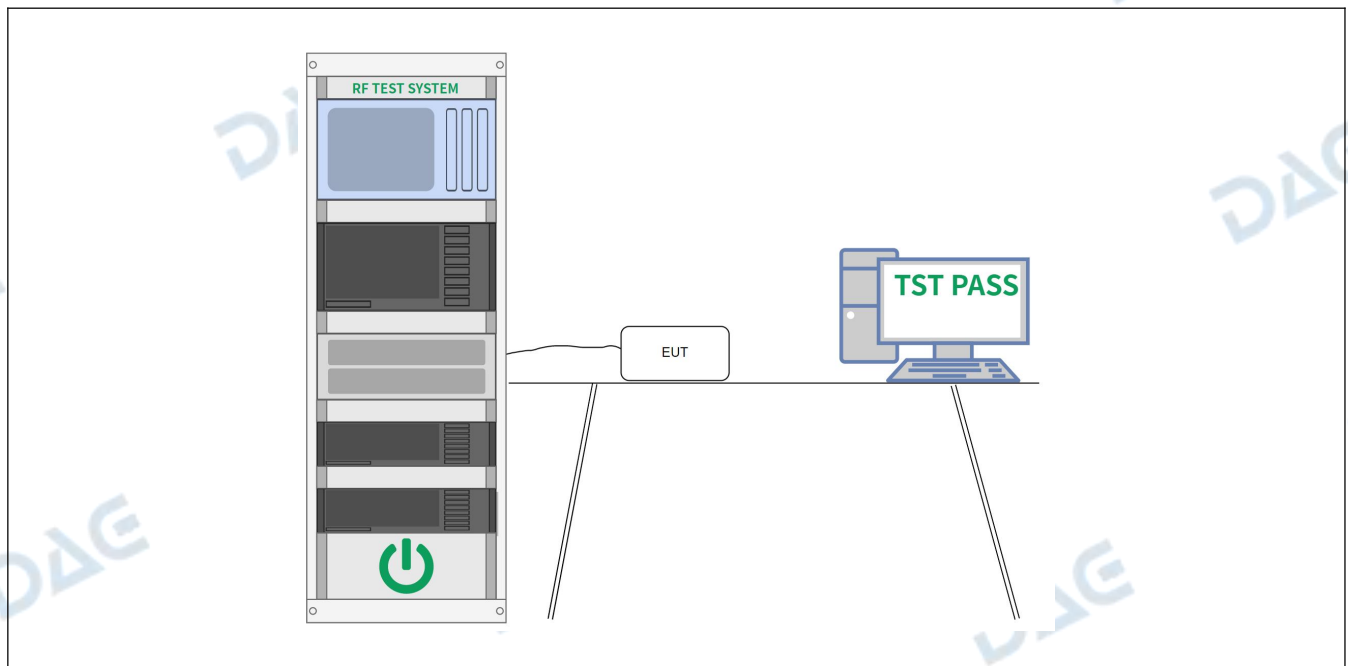
### 4.3 Channel Separation

|                   |  |
|-------------------|--|
| Test Requirement: | 47 CFR 15.247(a)(1)  |
| Test Limit:       | Refer to 47 CFR 15.247(a)(1), Frequency hopping systems shall have hopping channel carrier frequencies separated by a minimum of 25 kHz or the 20 dB bandwidth of the hopping channel, whichever is greater. Alternatively, frequency hopping systems operating in the 2400-2483.5 MHz band may have hopping channel carrier frequencies that are separated by 25 kHz or two-thirds of the 20 dB bandwidth of the hopping channel, whichever is greater, provided the systems operate with an output power no greater than 125 mW.   |
| Test Method:      | ANSI C63.10-2013, section 7.8.2<br>KDB 558074 D01 15.247 Meas Guidance v05r02  |
| Procedure:        | The EUT shall have its hopping function enabled. Use the following spectrum analyzer settings:<br>a) Span: Wide enough to capture the peaks of two adjacent channels.<br>b) RBW: Start with the RBW set to approximately 30% of the channel spacing; adjust as necessary to best identify the center of each individual channel.<br>c) Video (or average) bandwidth (VBW) $\geq$ RBW.<br>d) Sweep: Auto.<br>e) Detector function: Peak.<br>f) Trace: Max hold.<br>g) Allow the trace to stabilize.<br>Use the marker-delta function to determine the separation between the peaks of the adjacent channels. Compliance of an EUT with the appropriate regulatory limit shall be determined. A plot of the data shall be included in the test report. |

#### 4.3.1 E.U.T. Operation:

|                        |          |           |      |                       |         |
|------------------------|----------|-----------|------|-----------------------|---------|
| Operating Environment: |          |           |      |                       |         |
| Temperature:           | 23 °C    | Humidity: | 55 % | Atmospheric Pressure: | 102 kPa |
| Pretest mode:          | TM3, TM4 |           |      |                       |         |
| Final test mode:       | TM3, TM4 |           |      |                       |         |

#### 4.3.2 Test Setup Diagram:



#### 4.3.3 Test Data:

Please Refer to Appendix for Details.

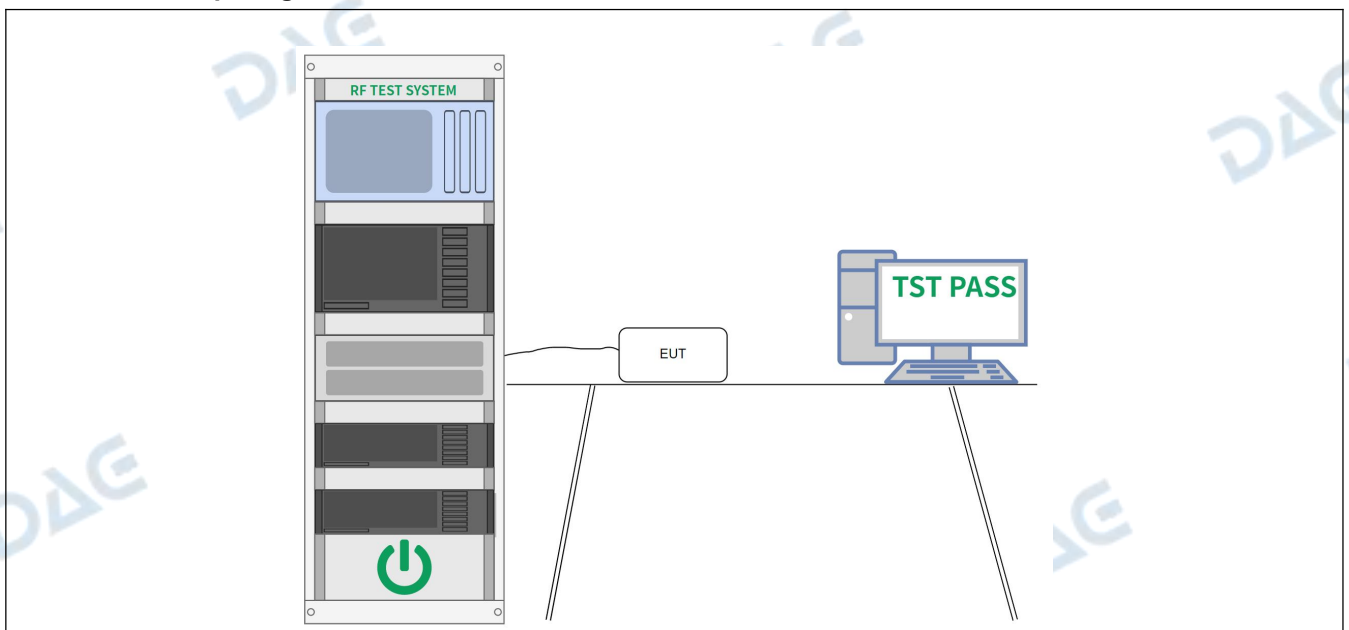
#### 4.4 Number of Hopping Frequencies

|                   |  |
|-------------------|--|
| Test Requirement: | 47 CFR 15.247(a)(1)(iii)   |
| Test Limit:       | Refer to 47 CFR 15.247(a)(1)(iii), Frequency hopping systems in the 2400-2483.5 MHz band shall use at least 15 channels. The average time of occupancy on any channel shall not be greater than 0.4 seconds within a period of 0.4 seconds multiplied by the number of hopping channels employed. Frequency hopping systems may avoid or suppress transmissions on a particular hopping frequency provided that a minimum of 15 channels are used.   |
| Test Method:      | ANSI C63.10-2013, section 7.8.3<br>KDB 558074 D01 15.247 Meas Guidance v05r02  |
| Procedure:        | The EUT shall have its hopping function enabled. Use the following spectrum analyzer settings:<br>a) Span: The frequency band of operation. Depending on the number of channels the device supports, it may be necessary to divide the frequency range of operation across multiple spans, to allow the individual channels to be clearly seen.<br>b) RBW: To identify clearly the individual channels, set the RBW to less than 30% of the channel spacing or the 20 dB bandwidth, whichever is smaller.<br>c) VBW $\geq$ RBW.<br>d) Sweep: Auto.<br>e) Detector function: Peak.<br>f) Trace: Max hold.<br>g) Allow the trace to stabilize.<br>It might prove necessary to break the span up into subranges to show clearly all of the hopping frequencies. Compliance of an EUT with the appropriate regulatory limit shall be determined for the number of hopping channels. A plot of the data shall be included in the test report. |

##### 4.4.1 E.U.T. Operation:

|                        |          |           |      |                       |         |
|------------------------|----------|-----------|------|-----------------------|---------|
| Operating Environment: |          |           |      |                       |         |
| Temperature:           | 23 °C    | Humidity: | 55 % | Atmospheric Pressure: | 102 kPa |
| Pretest mode:          | TM3, TM4 |           |      |                       |         |
| Final test mode:       | TM3, TM4 |           |      |                       |         |

##### 4.4.2 Test Setup Diagram:



##### 4.4.3 Test Data:

Please Refer to Appendix for Details.

#### 4.5 Dwell Time

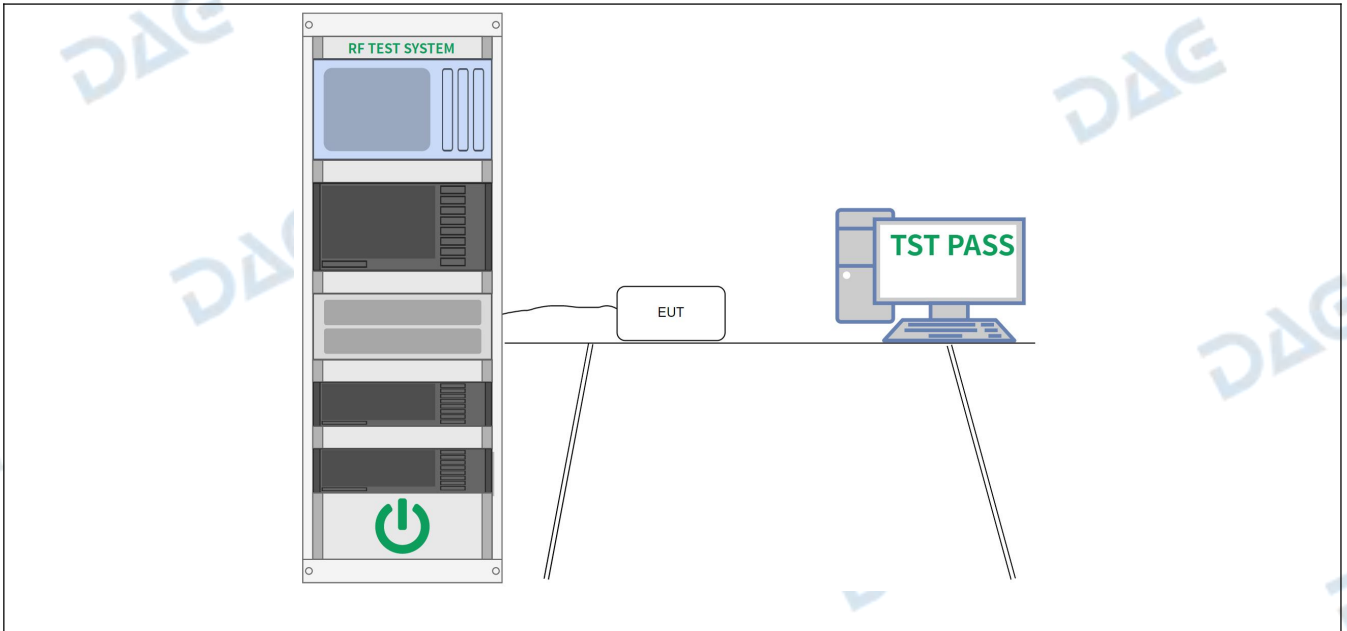
|                   |   |
|-------------------|---|
| Test Requirement: | 47 CFR 15.247(a)(1)(iii)  |
| Test Limit:       | Refer to 47 CFR 15.247(a)(1)(iii), Frequency hopping systems in the 2400-2483.5 MHz band shall use at least 15 channels. The average time of occupancy on any channel shall not be greater than 0.4 seconds within a period of 0.4 seconds multiplied by the number of hopping channels employed. Frequency hopping systems may avoid or suppress transmissions on a particular hopping frequency provided that a minimum of 15 channels are used.  |
| Test Method:      | ANSI C63.10-2013, section 7.8.4<br>KDB 558074 D01 15.247 Meas Guidance v05r02   |
| Procedure:        | <p>The EUT shall have its hopping function enabled. Use the following spectrum analyzer settings:</p> <p>a) Span: Zero span, centered on a hopping channel.</p> <p>b) RBW shall be <math>\leq</math> channel spacing and where possible RBW should be set <math>\gg 1 / T</math>, where T is the expected dwell time per channel.</p> <p>c) Sweep: As necessary to capture the entire dwell time per hopping channel; where possible use a video trigger and trigger delay so that the transmitted signal starts a little to the right of the start of the plot. The trigger level might need slight adjustment to prevent triggering when the system hops on an adjacent channel; a second plot might be needed with a longer sweep time to show two successive hops on a channel.</p> <p>d) Detector function: Peak.</p> <p>e) Trace: Max hold.</p> <p>Use the marker-delta function to determine the transmit time per hop. If this value varies with different modes of operation (data rate, modulation format, number of hopping channels, etc.), then repeat this test for each variation in transmit time.</p> <p>Repeat the measurement using a longer sweep time to determine the number of hops over the period specified in the requirements. The sweep time shall be equal to, or less than, the period specified in the requirements. Determine the number of hops over the sweep time and calculate the total number of hops in the period specified in the requirements, using the following equation:</p> $(\text{Number of hops in the period specified in the requirements}) = (\text{number of hops on spectrum analyzer}) \times (\text{period specified in the requirements} / \text{analyzer sweep time})$ <p>The average time of occupancy is calculated from the transmit time per hop multiplied by the number of hops in the period specified in the requirements. If the number of hops in a specific time varies with different modes of operation (data rate, modulation format, number of hopping channels, etc.), then repeat this test for each variation.</p> <p>The measured transmit time and time between hops shall be consistent with the values described in the operational description for the EUT.</p> |

##### 4.5.1 E.U.T. Operation:

|                        |          |           |      |                       |         |
|------------------------|----------|-----------|------|-----------------------|---------|
| Operating Environment: |          |           |      |                       |         |
| Temperature:           | 23 °C    | Humidity: | 55 % | Atmospheric Pressure: | 102 kPa |
| Pretest mode:          | TM3, TM4 |           |      |                       |         |
| Final test mode:       | TM3, TM4 |           |      |                       |         |

##### 4.5.2 Test Setup Diagram:

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



#### 4.5.3 Test Data:

Please Refer to Appendix for Details.

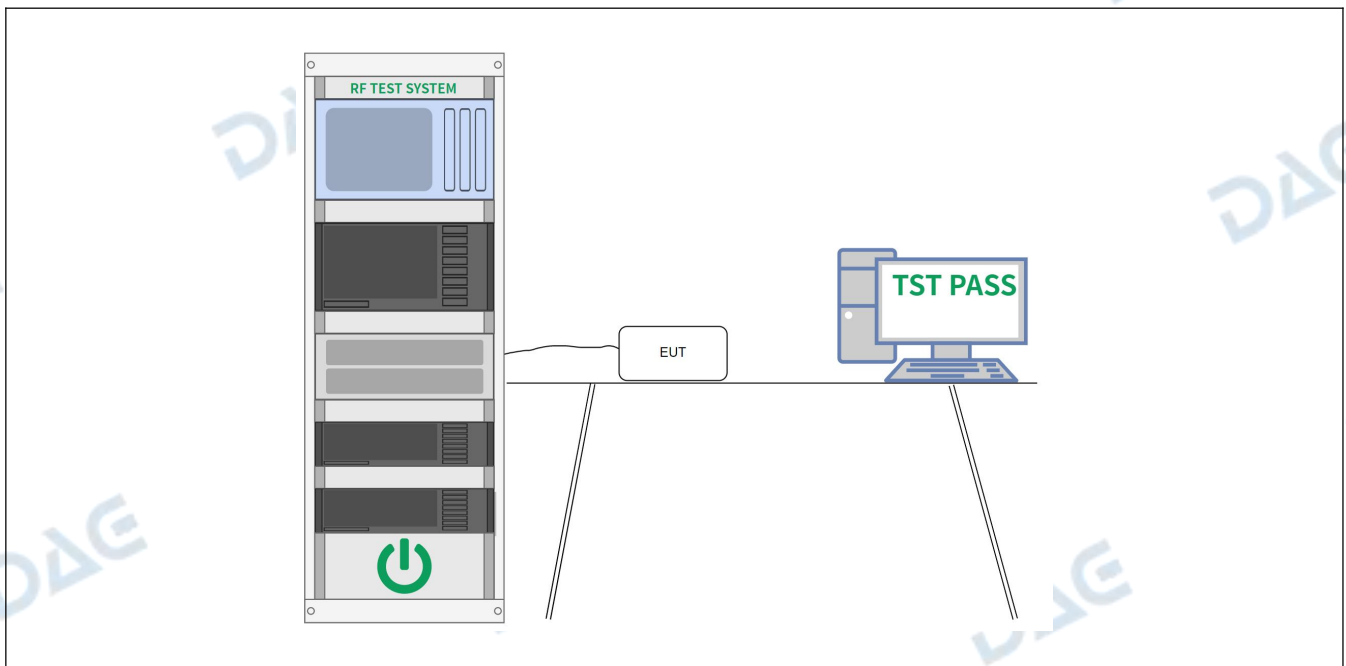
#### 4.6 Emissions in non-restricted frequency bands

|                   |   |
|-------------------|---|
| Test Requirement: | 47 CFR 15.247(d), 15.209, 15.205  |
| Test Limit:       | Refer to 47 CFR 15.247(d), 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. |
| Test Method:      | ANSI C63.10-2013 section 7.8.8<br>KDB 558074 D01 15.247 Meas Guidance v05r02  |
| Procedure:        | Conducted spurious emissions shall be measured for the transmit frequency, per 5.5 and 5.6, and at the maximum transmit powers.<br>Connect the primary antenna port through an attenuator to the spectrum analyzer input; in the results, account for all losses between the unlicensed wireless device output and the spectrum analyzer. The instrument shall span 30 MHz to 10 times the operating frequency in GHz, with a resolution bandwidth of 100 kHz, video bandwidth of 300 kHz, and a coupled sweep time with a peak detector. The band 30 MHz to the highest frequency may be split into smaller spans, as long as the entire spectrum is covered.  |

##### 4.6.1 E.U.T. Operation:

|                        |                    |           |      |                       |         |
|------------------------|--------------------|-----------|------|-----------------------|---------|
| Operating Environment: |                    |           |      |                       |         |
| Temperature:           | 23 °C              | Humidity: | 55 % | Atmospheric Pressure: | 102 kPa |
| Pretest mode:          | TM1, TM2, TM3, TM4 |           |      |                       |         |
| Final test mode:       | TM1, TM2, TM3, TM4 |           |      |                       |         |

##### 4.6.2 Test Setup Diagram:



##### 4.6.3 Test Data:

Please Refer to Appendix for Details.

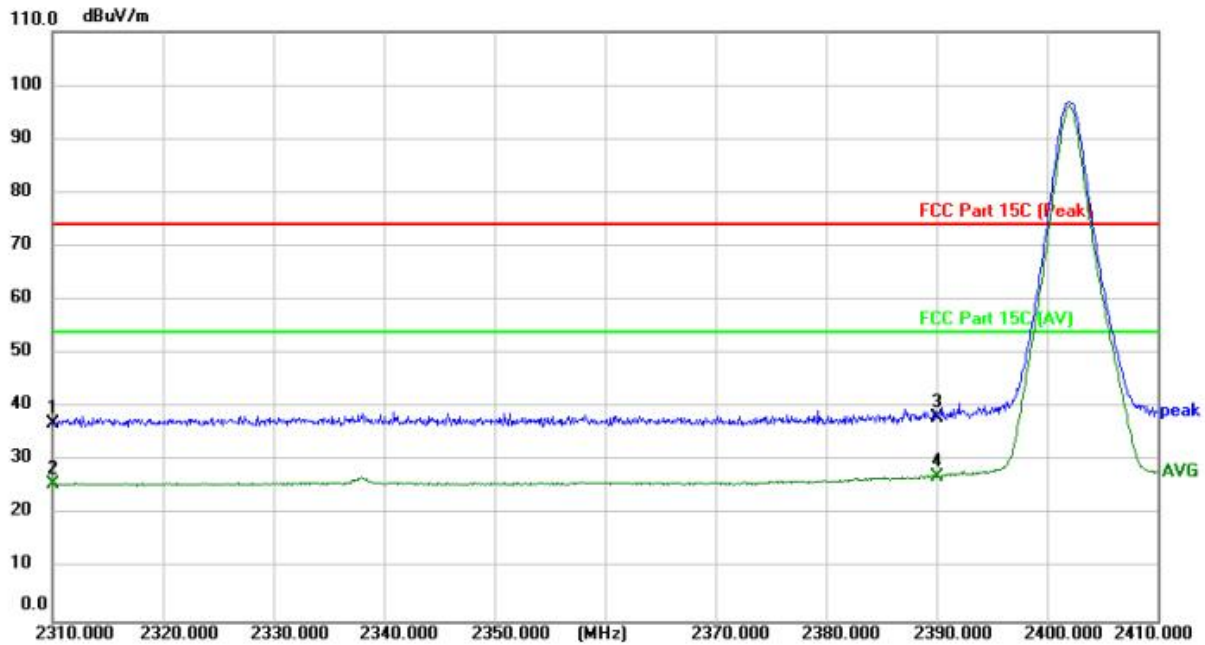






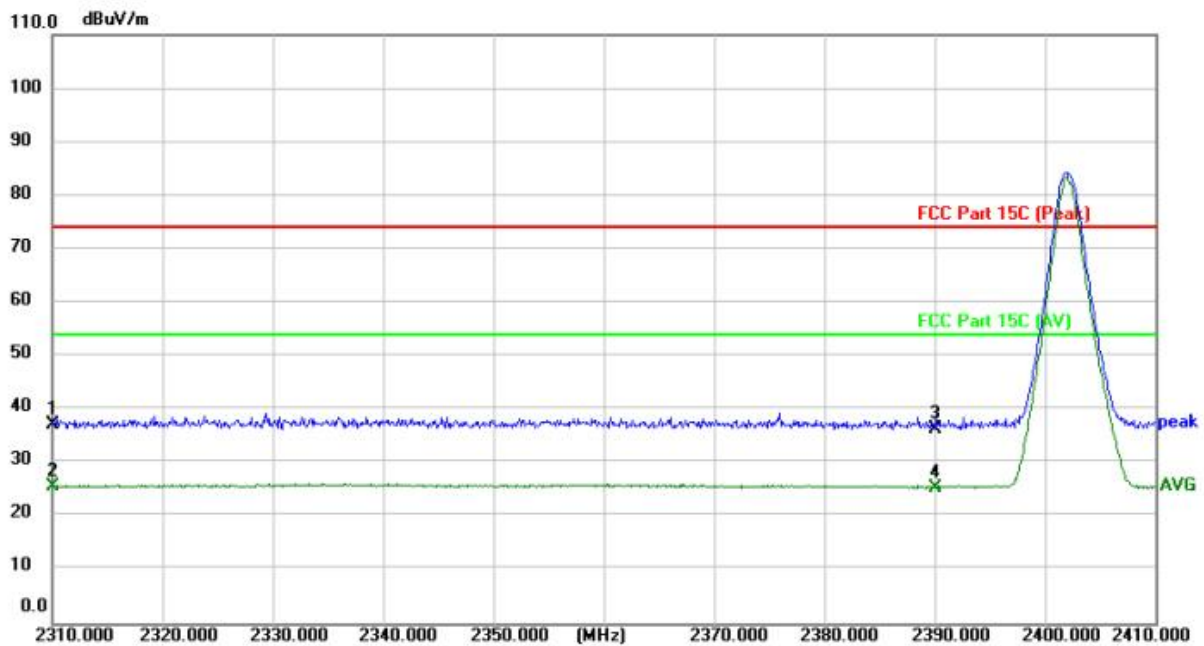
#### 4.7.3 Test Data:

TM1 / Polarization: Horizontal / Band: 2400-2483.5 MHz / BW: 1 / CH: L



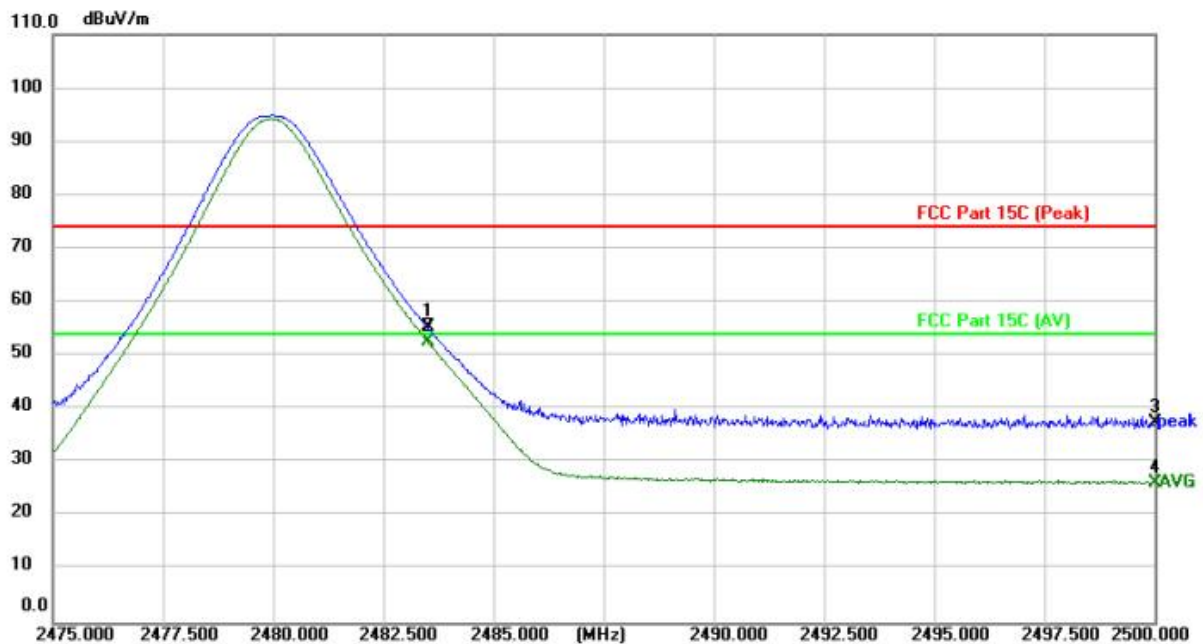
| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Azimuth (deg.) | P/F | Remark |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|-------------|----------------|-----|--------|
| 1   | 2310.000        | 40.41          | -3.43         | 36.98          | 74.00          | -37.02      | peak     |             |                | P   |        |
| 2   | 2310.000        | 29.23          | -3.43         | 25.80          | 54.00          | -28.20      | AVG      |             |                | P   |        |
| 3   | 2390.000        | 41.29          | -3.17         | 38.12          | 74.00          | -35.88      | peak     |             |                | P   |        |
| 4 * | 2390.000        | 30.36          | -3.17         | 27.19          | 54.00          | -26.81      | AVG      |             |                | P   |        |

TM1 / Polarization: Vertical / Band: 2400-2483.5 MHz / BW: 1 / CH: L



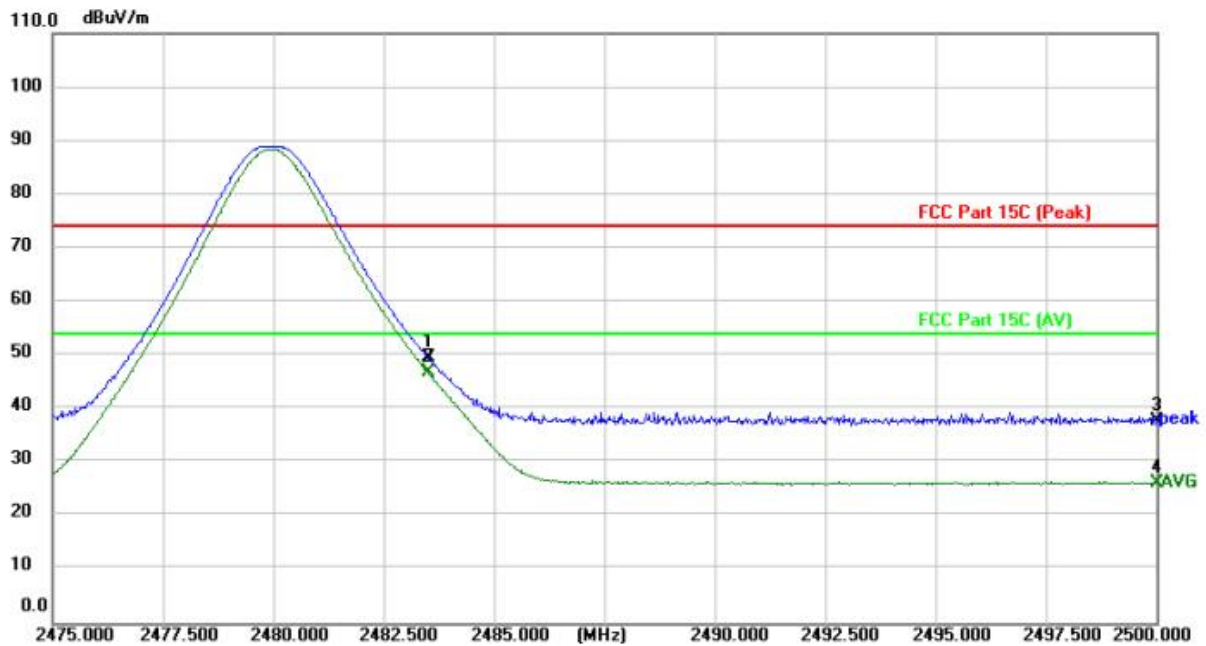
| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Azimuth (deg.) | P/F | Remark |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|-------------|----------------|-----|--------|
| 1   | 2310.000        | 40.75          | -3.43         | 37.32          | 74.00          | -36.68      | peak     | 150         |                | P   |        |
| 2 * | 2310.000        | 29.19          | -3.43         | 25.76          | 54.00          | -28.24      | AVG      | 150         |                | P   |        |
| 3   | 2390.000        | 39.72          | -3.17         | 36.55          | 74.00          | -37.45      | peak     | 150         |                | P   |        |
| 4   | 2390.000        | 28.70          | -3.17         | 25.53          | 54.00          | -28.47      | AVG      | 150         |                | P   |        |

TM1 / Polarization: Horizontal / Band: 2400-2483.5 MHz / BW: 1 / CH: H



| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Azimuth (deg.) | P/F | Remark |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|-------------|----------------|-----|--------|
| 1   | 2483.500        | 58.17          | -2.86         | 55.31          | 74.00          | -18.69      | peak     | 150         |                | P   |        |
| 2 * | 2483.500        | 55.57          | -2.86         | 52.71          | 54.00          | -1.29       | AVG      | 150         |                | P   |        |
| 3   | 2500.000        | 40.25          | -2.81         | 37.44          | 74.00          | -36.56      | peak     | 150         |                | P   |        |
| 4   | 2500.000        | 29.14          | -2.81         | 26.33          | 54.00          | -27.67      | AVG      | 150         |                | P   |        |

TM1 / Polarization: Vertical / Band: 2400-2483.5 MHz / BW: 1 / CH: H



| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Azimuth (deg.) | P/F | Remark |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|-------------|----------------|-----|--------|
| 1   | 2483.500        | 52.51          | -2.86         | 49.65          | 74.00          | -24.35      | peak     | 150         |                | P   |        |
| 2 * | 2483.500        | 49.77          | -2.86         | 46.91          | 54.00          | -7.09       | AVG      | 150         |                | P   |        |
| 3   | 2500.000        | 40.76          | -2.81         | 37.95          | 74.00          | -36.05      | peak     | 150         |                | P   |        |
| 4   | 2500.000        | 28.94          | -2.81         | 26.13          | 54.00          | -27.87      | AVG      | 150         |                | P   |        |



#### 4.8 Emissions in frequency bands (below 1GHz)

|   |  |                                   |                               |
|---|--|-----------------------------------|-------------------------------|
| Test Requirement:   | Refer to 47 CFR 15.247(d), 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)).`   |                                   |                               |
| Test Limit:   | 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                            |
|   | 30-88  | 100 **                            | 3                             |
|   | 88-216   | 150 **                            | 3                             |
|   | 216-960  | 200 **                            | 3                             |
|   | Above 960  | 500                               | 3                             |
| <p>** Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this section shall not be located in the frequency bands 54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806 MHz. However, operation within these frequency bands is permitted under other sections of this part, e.g., §§ 15.231 and 15.241.</p> <p>In the emission table above, the tighter limit applies at the band edges.</p> <p>The emission limits shown in the above table 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.</p> |  |                                   |                               |
| Test Method:  | ANSI C63.10-2013 section 6.6.4<br>KDB 558074 D01 15.247 Meas Guidance v05r02   |                                   |                               |
| Procedure:  | <p>a. For below 1GHz, the EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 or 10 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.</p> <p>b. For above 1GHz, the EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter fully-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.</p> <p>c. The EUT was set 3 or 10 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.</p> <p>d. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.</p> <p>e. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.</p> <p>f. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.</p> <p>g. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.</p> <p>h. Test the EUT in the lowest channel, the middle channel, the Highest channel.</p> <p>i. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case.</p> <p>j. Repeat above procedures until all frequencies measured was complete.</p> <p>Remark:</p> <p>1) For emission below 1GHz, through pre-scan found the worst case is the lowest</p> |                                   |                               |

channel. Only the worst case is recorded in the report.

2) The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:  
Final Test Level = Receiver Reading + Antenna Factor + Cable Factor + Preamplifier Factor

3) Scan from 9kHz to 25GHz, the disturbance above 12.75GHz and below 30MHz was very low. The points marked on above plots are the highest emissions could be found when testing, so only above points had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported. Fundamental frequency is blocked by filter, and only spurious emission is shown.

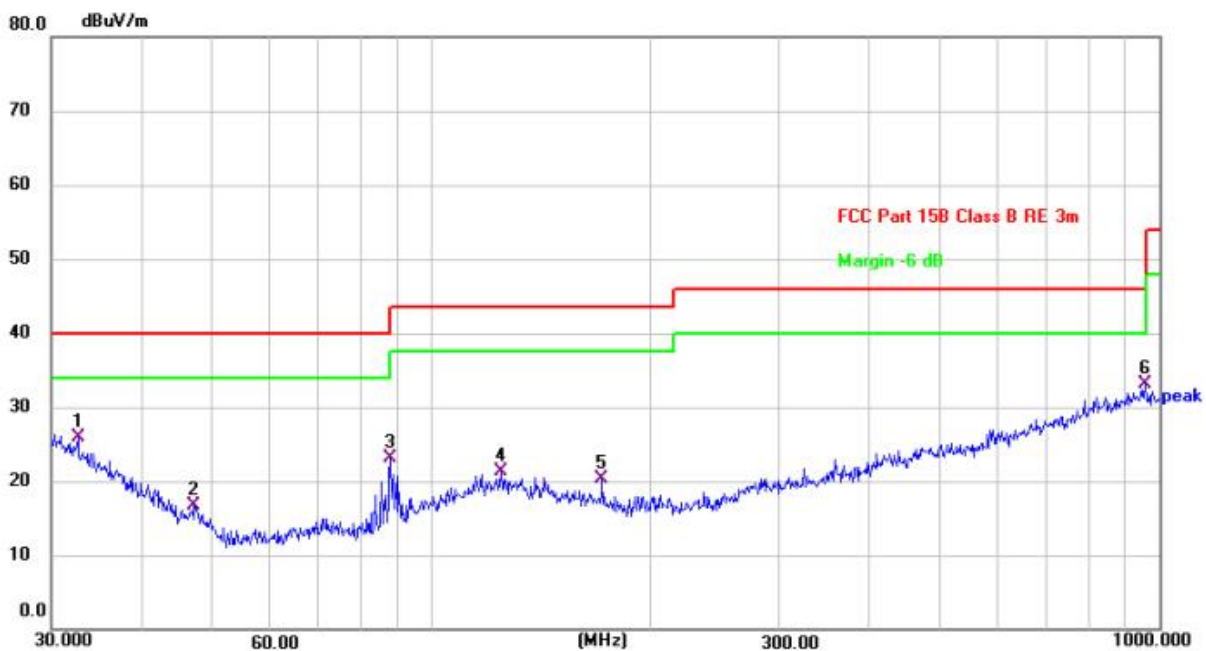
#### 4.8.1 E.U.T. Operation:

Operating Environment:

|                  |          |           |      |                       |         |
|------------------|----------|-----------|------|-----------------------|---------|
| Temperature:     | 23 °C    | Humidity: | 55 % | Atmospheric Pressure: | 102 kPa |
| Pretest mode:    | TM1, TM2 |           |      |                       |         |
| Final test mode: | TM1      |           |      |                       |         |

#### 4.8.2 Test Data:

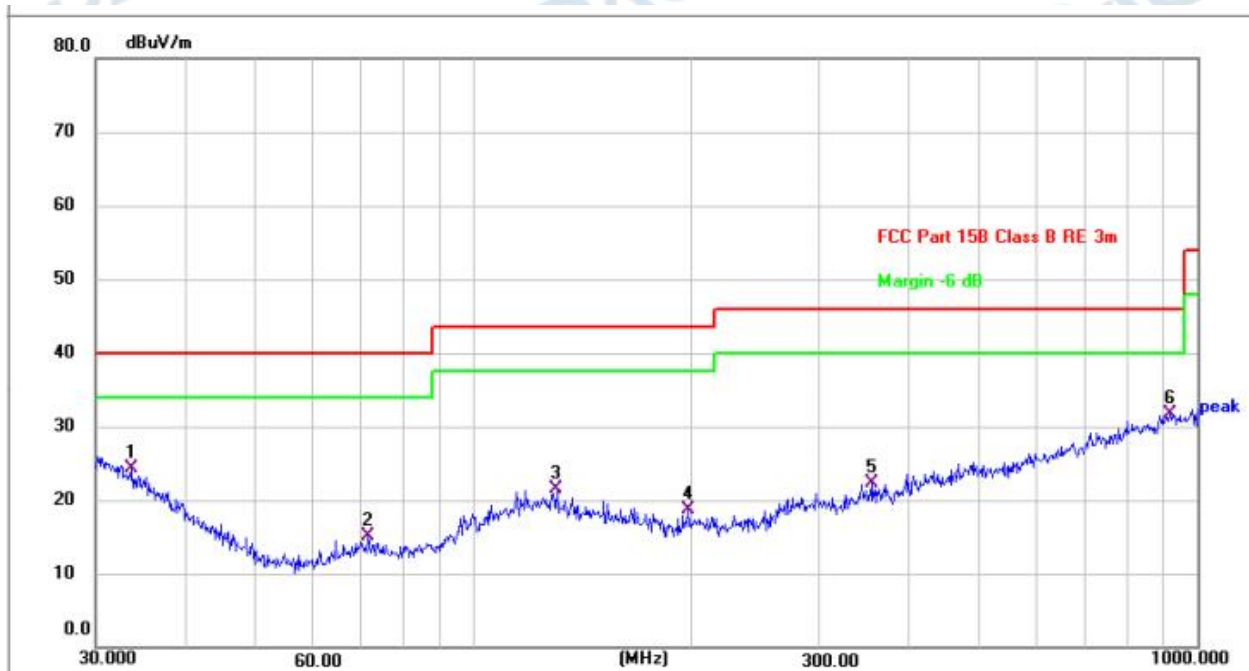
TM1 / Polarization: Horizontal / Band: 2400-2483.5 MHz / BW: 1 / CH: L



| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Azimuth (deg.) | P/F | Remark |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|-------------|----------------|-----|--------|
| 1   | 32.6340         | 26.90          | -0.94         | 25.96          | 40.00          | -14.04      | QP       |             |                | P   |        |
| 2   | 47.1598         | 27.51          | -10.77        | 16.74          | 40.00          | -23.26      | QP       |             |                | P   |        |
| 3   | 87.7246         | 34.46          | -11.27        | 23.19          | 40.00          | -16.81      | QP       |             |                | P   |        |
| 4   | 124.5690        | 26.79          | -5.39         | 21.40          | 43.50          | -22.10      | QP       |             |                | P   |        |
| 5   | 171.3925        | 28.05          | -7.69         | 20.36          | 43.50          | -23.14      | QP       |             |                | P   |        |
| 6 * | 955.4381        | 27.41          | 5.71          | 33.12          | 46.00          | -12.88      | QP       |             |                | P   |        |



TM1 / Polarization: Vertical / Band: 2400-2483.5 MHz / BW: 1 / CH: L



| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Azimuth (deg.) | P/F | Remark |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|-------------|----------------|-----|--------|
| 1   | 33.6802         | 26.47          | -2.08         | 24.39          | 40.00          | -15.61      | QP       | 100         |                | P   |        |
| 2   | 71.3300         | 26.62          | -11.56        | 15.06          | 40.00          | -24.94      | QP       | 100         |                | P   |        |
| 3   | 130.3789        | 26.97          | -5.46         | 21.51          | 43.50          | -21.99      | QP       | 100         |                | P   |        |
| 4   | 197.8928        | 27.32          | -8.57         | 18.75          | 43.50          | -24.75      | QP       | 100         |                | P   |        |
| 5   | 355.4273        | 26.77          | -4.44         | 22.33          | 46.00          | -23.67      | QP       | 100         |                | P   |        |
| 6 * | 916.0687        | 26.15          | 5.50          | 31.65          | 46.00          | -14.35      | QP       | 100         |                | P   |        |

#### 4.9 Emissions in frequency bands (above 1GHz)

|                   |  |                                   |                               |
|-------------------|--|-----------------------------------|-------------------------------|
| Test Requirement: | 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)).   |                                   |                               |
| Test Limit:       | 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                            |
|                   | 30-88  | 100 **                            | 3                             |
|                   | 88-216   | 150 **                            | 3                             |
|                   | 216-960  | 200 **                            | 3                             |
|                   | Above 960  | 500                               | 3                             |
|                   | <p>** Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this section shall not be located in the frequency bands 54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806 MHz. However, operation within these frequency bands is permitted under other sections of this part, e.g., §§ 15.231 and 15.241.</p> <p>In the emission table above, the tighter limit applies at the band edges.</p> <p>The emission limits shown in the above table 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.</p>  |                                   |                               |
| Test Method:      | ANSI C63.10-2013 section 6.6.4<br>KDB 558074 D01 15.247 Meas Guidance v05r02   |                                   |                               |
| Procedure:        | <p>a. For below 1GHz, the EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 or 10 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.</p> <p>b. For above 1GHz, the EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter fully-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.</p> <p>c. The EUT was set 3 or 10 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.</p> <p>d. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.</p> <p>e. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.</p> <p>f. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.</p> <p>g. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.</p> <p>h. Test the EUT in the lowest channel, the middle channel, the Highest channel.</p> <p>i. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case.</p> <p>j. Repeat above procedures until all frequencies measured was complete.</p> <p>Remark:</p> <p>1) For emission below 1GHz, through pre-scan found the worst case is the lowest</p> |                                   |                               |

channel. Only the worst case is recorded in the report.

2) The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:  
Final Test Level = Receiver Reading + Antenna Factor + Cable Factor + Preamplifier Factor

3) Scan from 9kHz to 25GHz, the disturbance above 12.75GHz and below 30MHz was very low. The points marked on above plots are the highest emissions could be found when testing, so only above points had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported. Fundamental frequency is blocked by filter, and only spurious emission is shown.

#### 4.9.1 E.U.T. Operation:

Operating Environment:

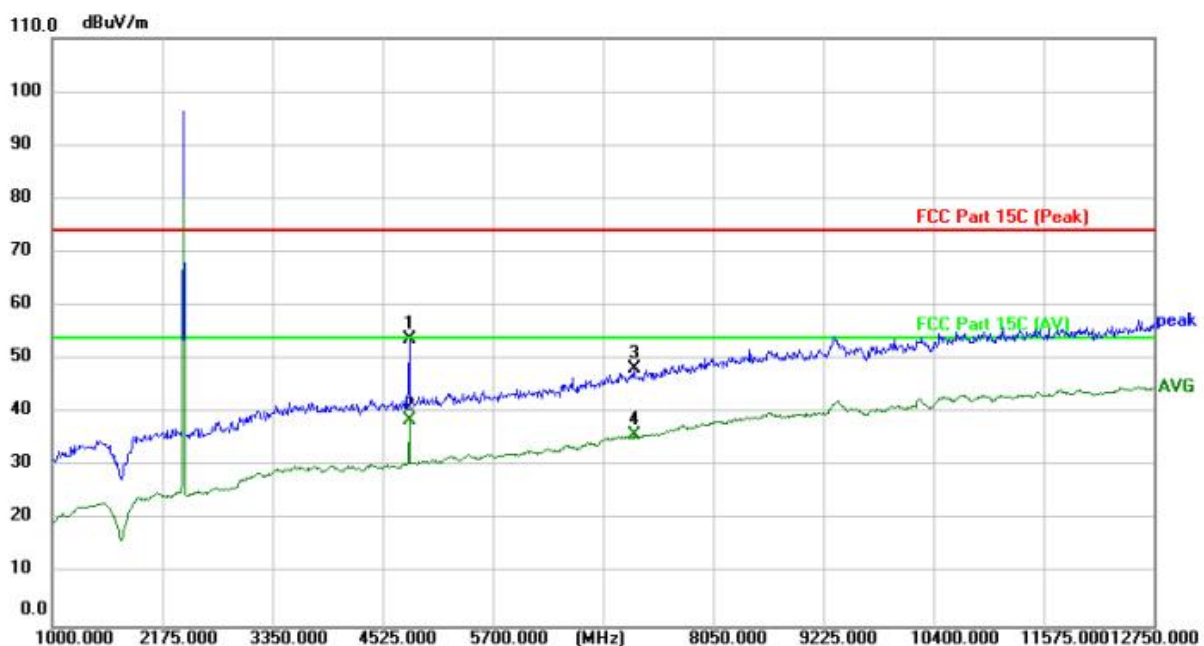
Temperature: 23 °C Humidity: 55 % Atmospheric Pressure: 102 kPa

Pretest mode: TM1, TM2

Final test mode: TM1

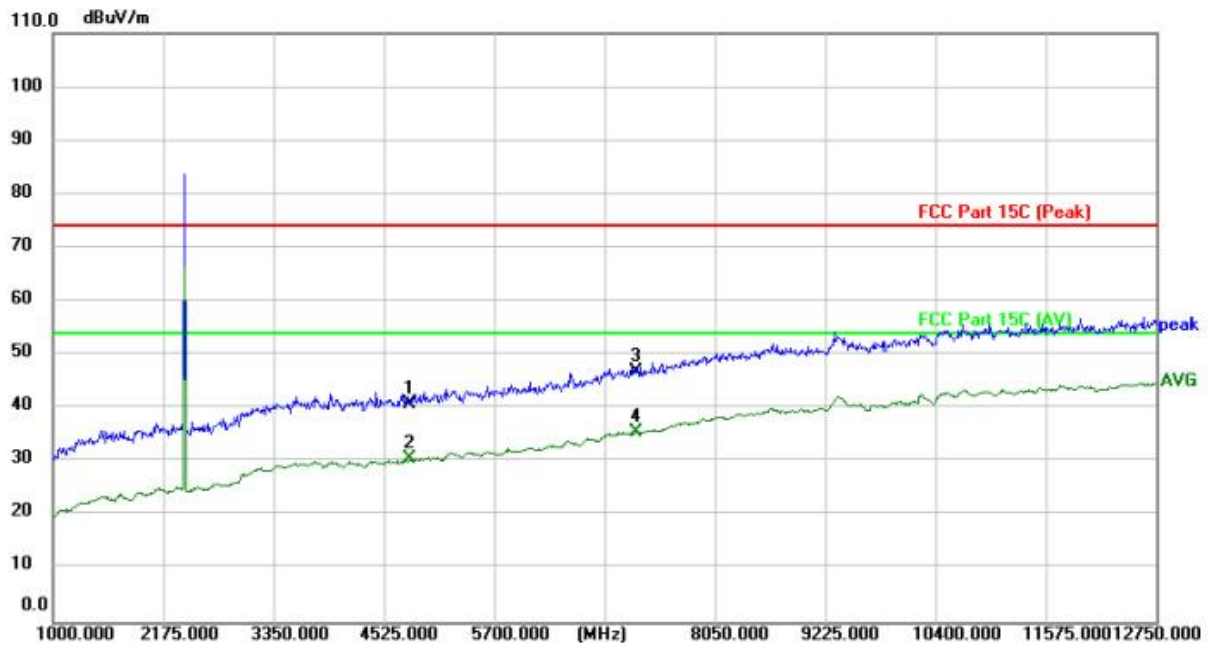
#### 4.9.2 Test Data:

TM1 / Polarization: Horizontal / Band: 2400-2483.5 MHz / BW: 1 / CH: L



| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Azimuth (deg.) | P/F | Remark |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|-------------|----------------|-----|--------|
| 1   | 4807.000        | 50.09          | 3.75          | 53.84          | 74.00          | -20.16      | peak     | 150         |                | P   |        |
| 2 * | 4807.000        | 34.99          | 3.75          | 38.74          | 54.00          | -15.26      | AVG      | 150         |                | P   |        |
| 3   | 7204.000        | 37.59          | 10.67         | 48.26          | 74.00          | -25.74      | peak     | 150         |                | P   |        |
| 4   | 7204.000        | 25.24          | 10.67         | 35.91          | 54.00          | -18.09      | AVG      | 150         |                | P   |        |

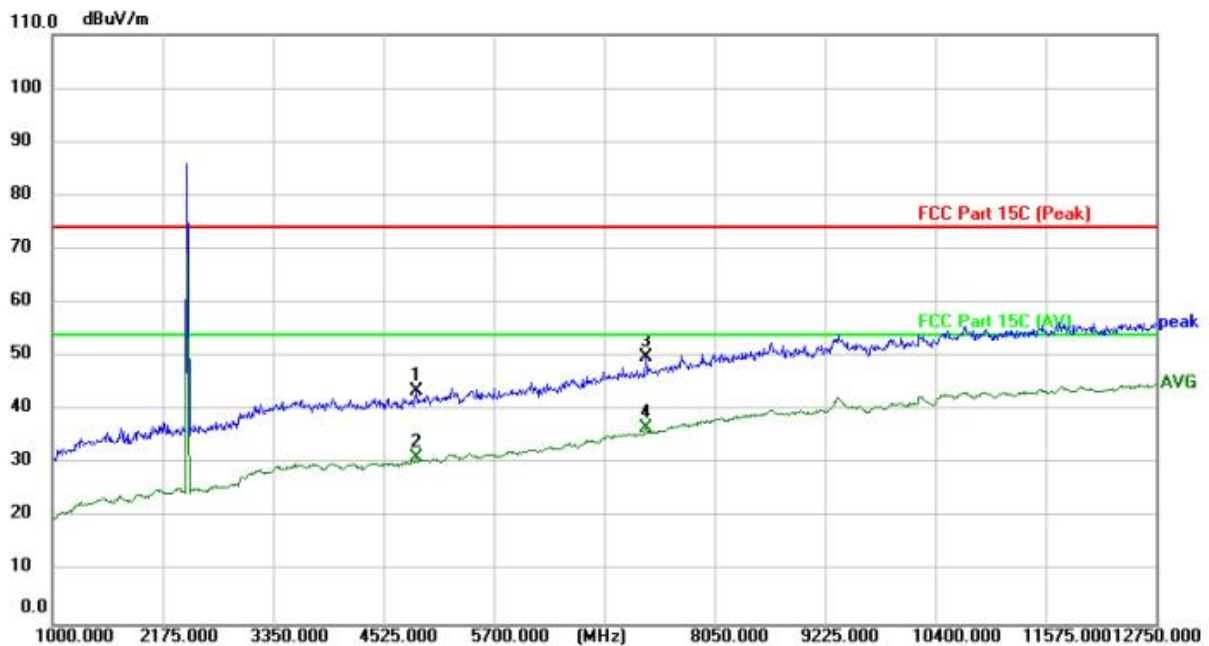
TM1 / Polarization: Vertical / Band: 2400-2483.5 MHz / BW: 1 / CH: L



| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Azimuth (deg.) | P/F | Remark |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|-------------|----------------|-----|--------|
| 1   | 4804.000        | 37.02          | 3.74          | 40.76          | 74.00          | -33.24      | peak     | 150         |                | P   |        |
| 2   | 4804.000        | 26.84          | 3.74          | 30.58          | 54.00          | -23.42      | AVG      | 150         |                | P   |        |
| 3   | 7206.000        | 36.21          | 10.67         | 46.88          | 74.00          | -27.12      | peak     | 150         |                | P   |        |
| 4 * | 7206.000        | 24.83          | 10.67         | 35.50          | 54.00          | -18.50      | AVG      | 150         |                | P   |        |



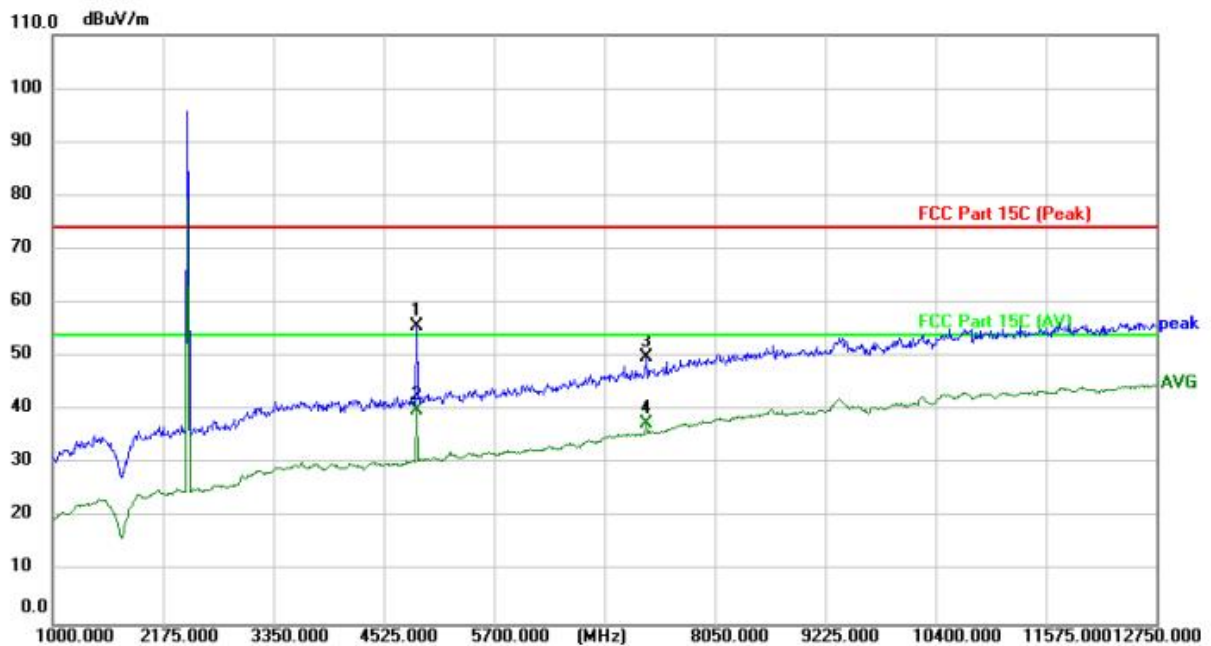
TM1 / Polarization: Horizontal / Band: 2400-2483.5 MHz / BW: 1 / CH: M



| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Azimuth (deg.) | P/F | Remark |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|-------------|----------------|-----|--------|
| 1   | 4877.500        | 39.68          | 4.01          | 43.69          | 74.00          | -30.31      | peak     | 150         |                | P   |        |
| 2   | 4877.500        | 27.14          | 4.01          | 31.15          | 54.00          | -22.85      | AVG      | 150         |                | P   |        |
| 3   | 7321.500        | 39.13          | 10.91         | 50.04          | 74.00          | -23.96      | peak     | 150         |                | P   |        |
| 4 * | 7321.500        | 25.80          | 10.91         | 36.71          | 54.00          | -17.29      | AVG      | 150         |                | P   |        |

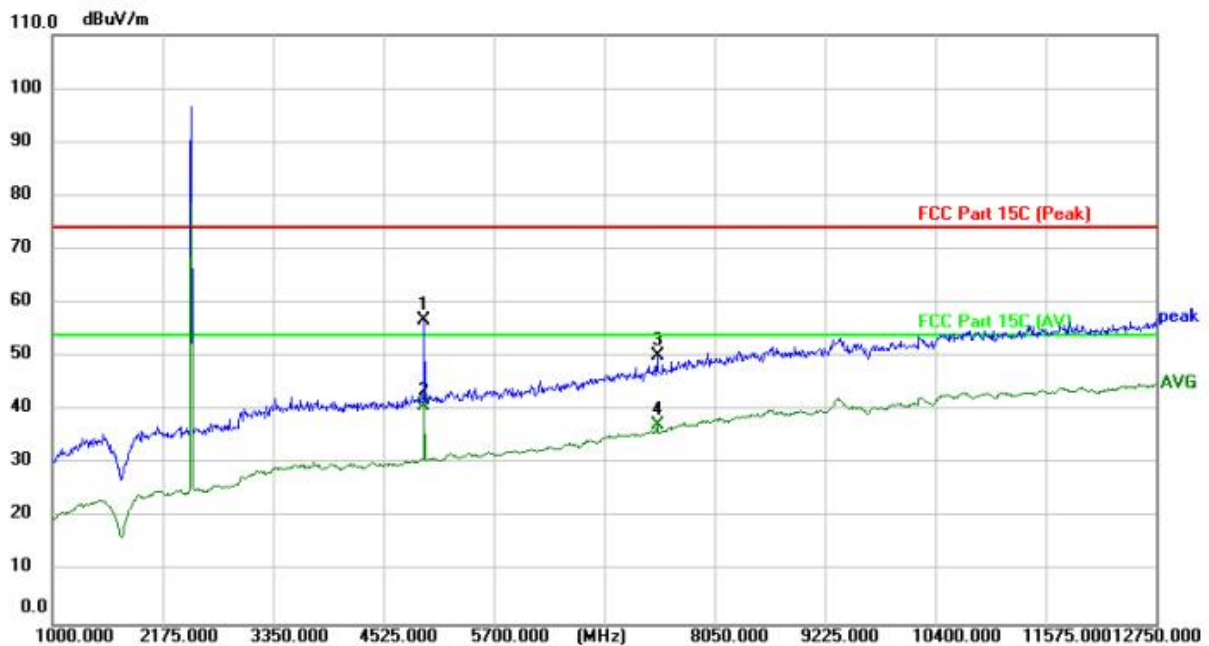


TM1 / Polarization: Vertical / Band: 2400-2483.5 MHz / BW: 1 / CH: M



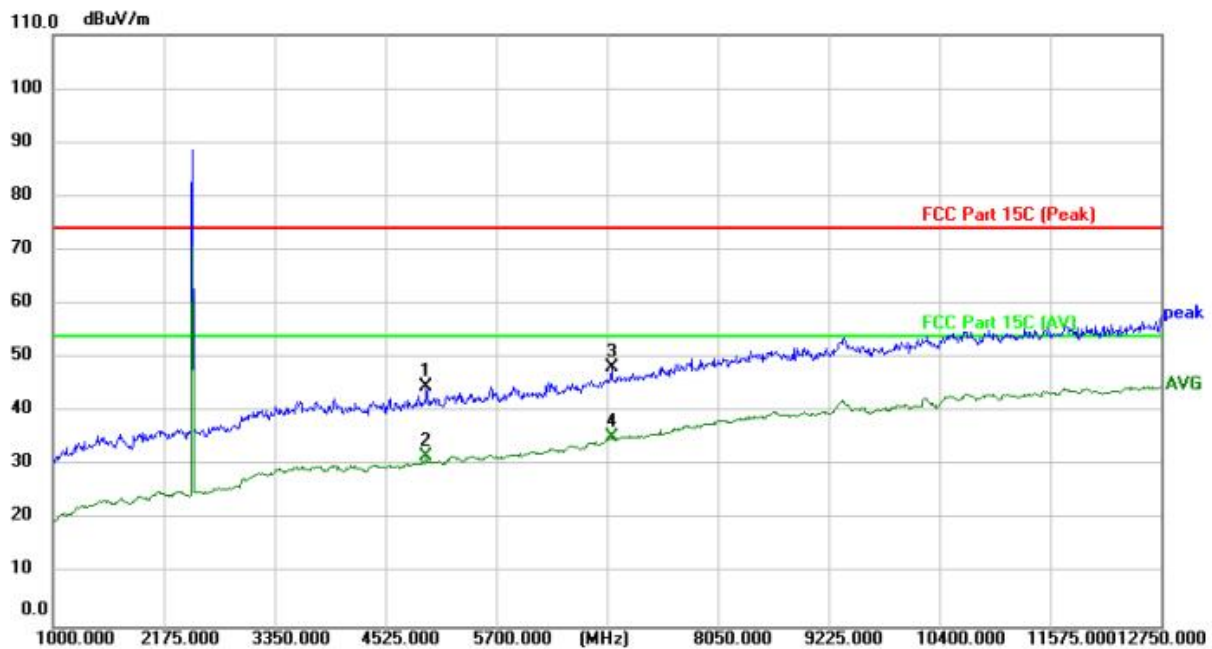
| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Azimuth (deg.) | P/F | Remark |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|-------------|----------------|-----|--------|
| 1   | 4877.500        | 51.76          | 4.01          | 55.77          | 74.00          | -18.23      | peak     | 150         |                | P   |        |
| 2 * | 4877.500        | 36.10          | 4.01          | 40.11          | 54.00          | -13.89      | AVG      | 150         |                | P   |        |
| 3   | 7321.500        | 38.99          | 10.91         | 49.90          | 74.00          | -24.10      | peak     | 150         |                | P   |        |
| 4   | 7321.500        | 26.50          | 10.91         | 37.41          | 54.00          | -16.59      | AVG      | 150         |                | P   |        |

TM1 / Polarization: Horizontal / Band: 2400-2483.5 MHz / BW: 1 / CH: H



| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Azimuth (deg.) | P/F | Remark |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|-------------|----------------|-----|--------|
| 1   | 4959.750        | 52.47          | 4.30          | 56.77          | 74.00          | -17.23      | peak     | 150         |                | P   |        |
| 2 * | 4959.750        | 36.56          | 4.30          | 40.86          | 54.00          | -13.14      | AVG      | 150         |                | P   |        |
| 3   | 7439.000        | 39.05          | 11.16         | 50.21          | 74.00          | -23.79      | peak     | 150         |                | P   |        |
| 4   | 7439.000        | 26.01          | 11.16         | 37.17          | 54.00          | -16.83      | AVG      | 150         |                | P   |        |

TM1 / Polarization: Vertical / Band: 2400-2483.5 MHz / BW: 1 / CH: H



| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Azimuth (deg.) | P/F | Remark |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|-------------|----------------|-----|--------|
| 1   | 4959.750        | 40.43          | 4.30          | 44.73          | 74.00          | -29.27      | peak     | 150         |                | P   |        |
| 2   | 4959.750        | 27.48          | 4.30          | 31.78          | 54.00          | -22.22      | AVG      | 150         |                | P   |        |
| 3   | 6922.000        | 38.27          | 9.94          | 48.21          | 74.00          | -25.79      | peak     | 150         |                | P   |        |
| 4 * | 6933.750        | 25.21          | 10.00         | 35.21          | 54.00          | -18.79      | AVG      | 150         |                | P   |        |

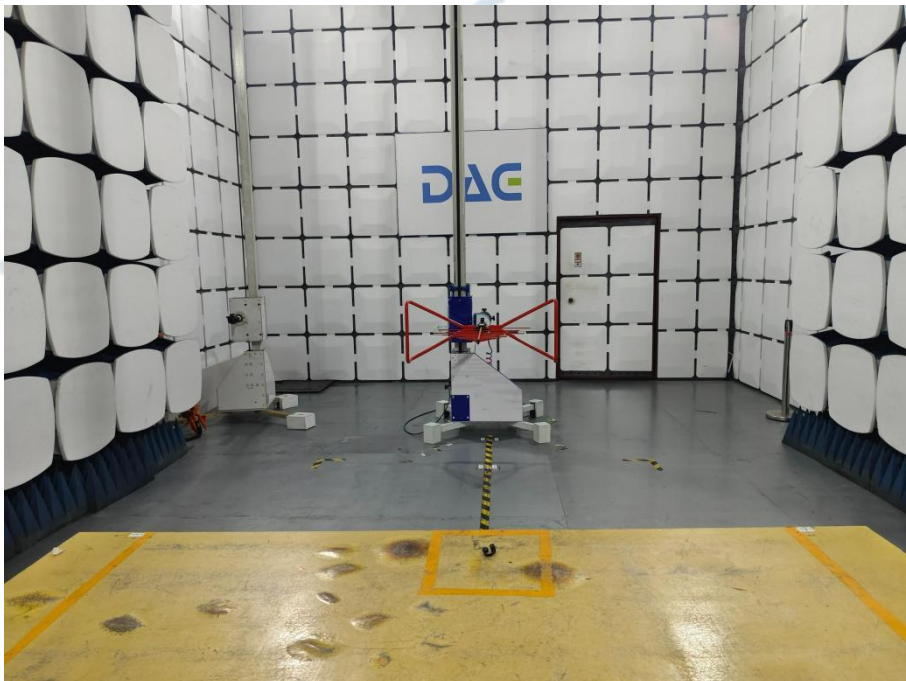


## 5 TEST SETUP PHOTOS

**Conducted Emission at AC power line**



**Emissions in frequency bands (below 1GHz)**



**Emissions in frequency bands (above 1GHz)**





## 6 PHOTOS OF THE EUT

**External**



**External**













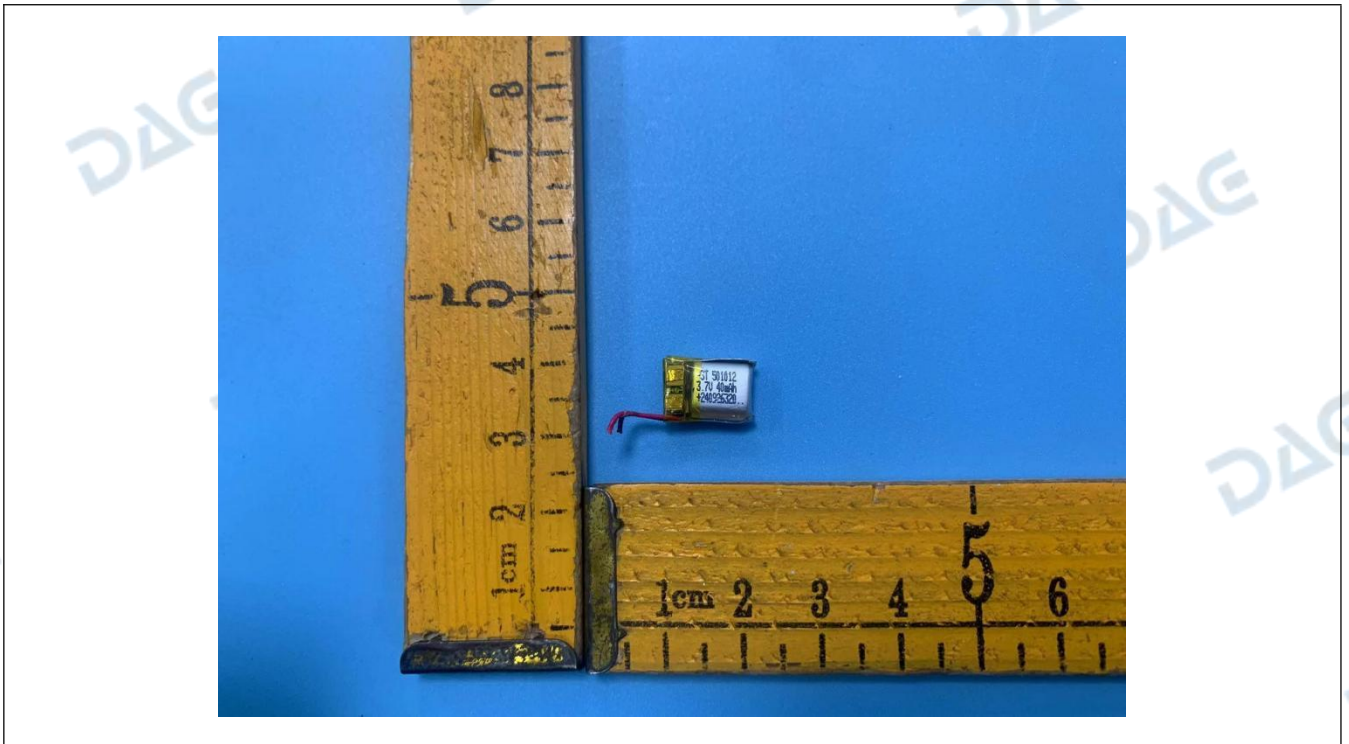
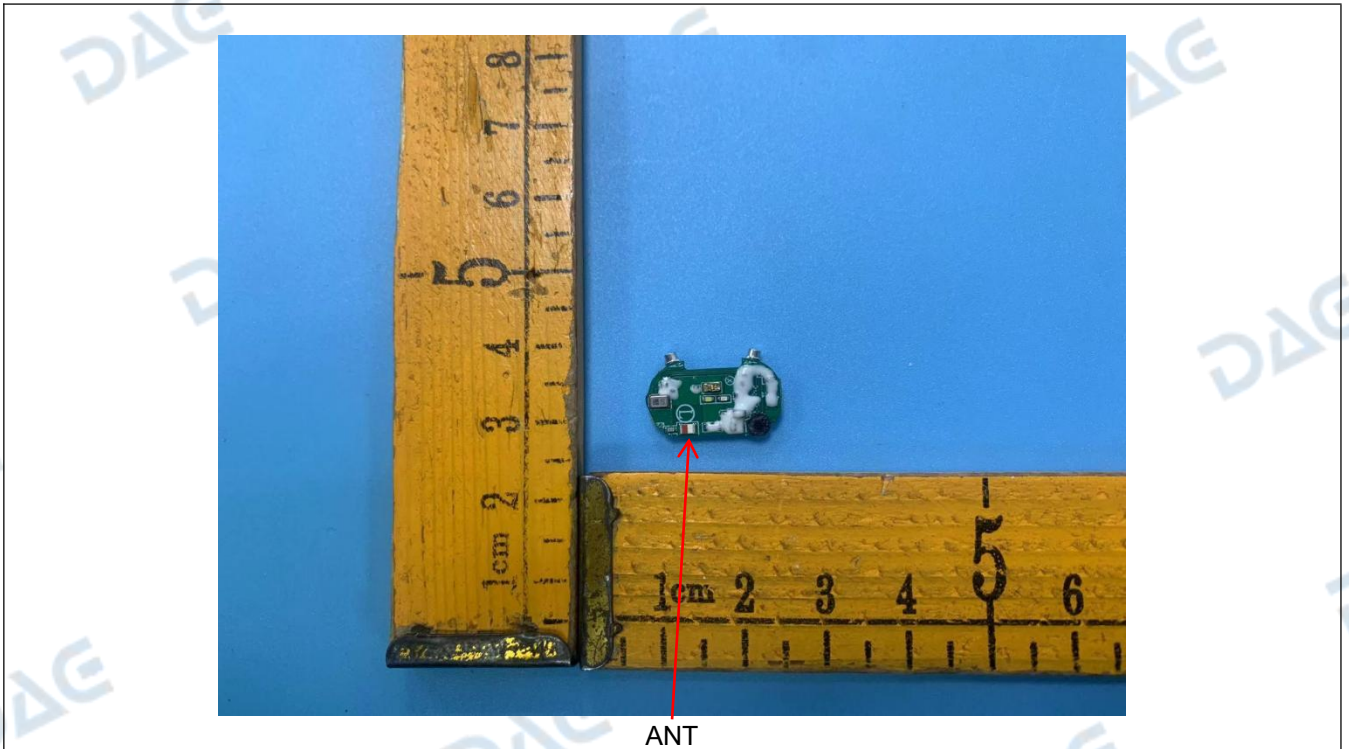


**Internal**







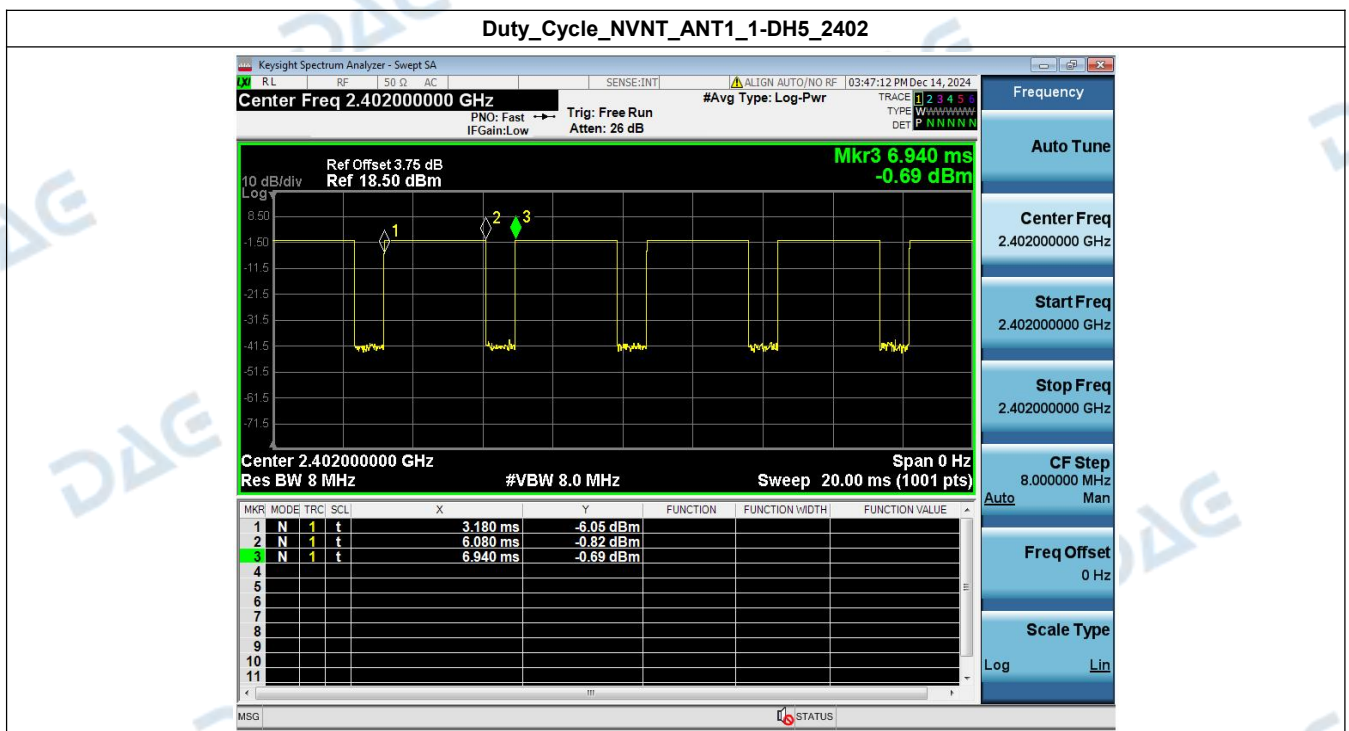


# Appendix

# HT241111015--Cubot Neo 1--EDR--FCC FCC\_BT (Part15.247) Test Data

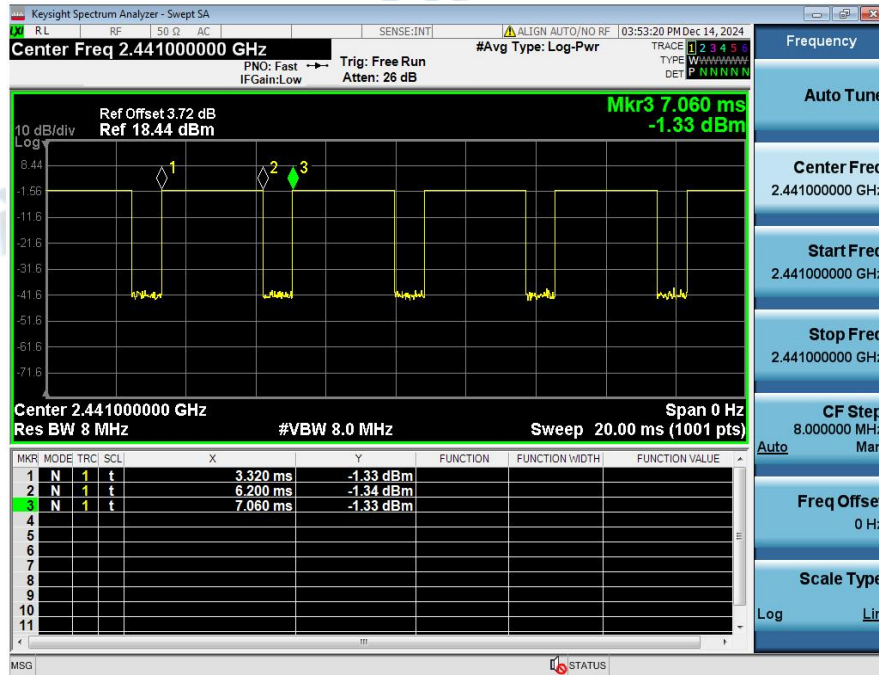
## 1. Duty Cycle

| Condition | Antenna | Rate  | Frequency (MHz) | Dutycycle(%) | Duty_factor |
|-----------|---------|-------|-----------------|--------------|-------------|
| NVNT      | ANT1    | 1-DH5 | 2402.00         | 77.66        | 1.10        |
| NVNT      | ANT1    | 1-DH5 | 2441.00         | 77.54        | 1.10        |
| NVNT      | ANT1    | 1-DH5 | 2480.00         | 77.66        | 1.10        |
| NVNT      | ANT1    | 2-DH5 | 2402.00         | 77.54        | 1.10        |
| NVNT      | ANT1    | 2-DH5 | 2441.00         | 77.66        | 1.10        |
| NVNT      | ANT1    | 2-DH5 | 2480.00         | 77.66        | 1.10        |

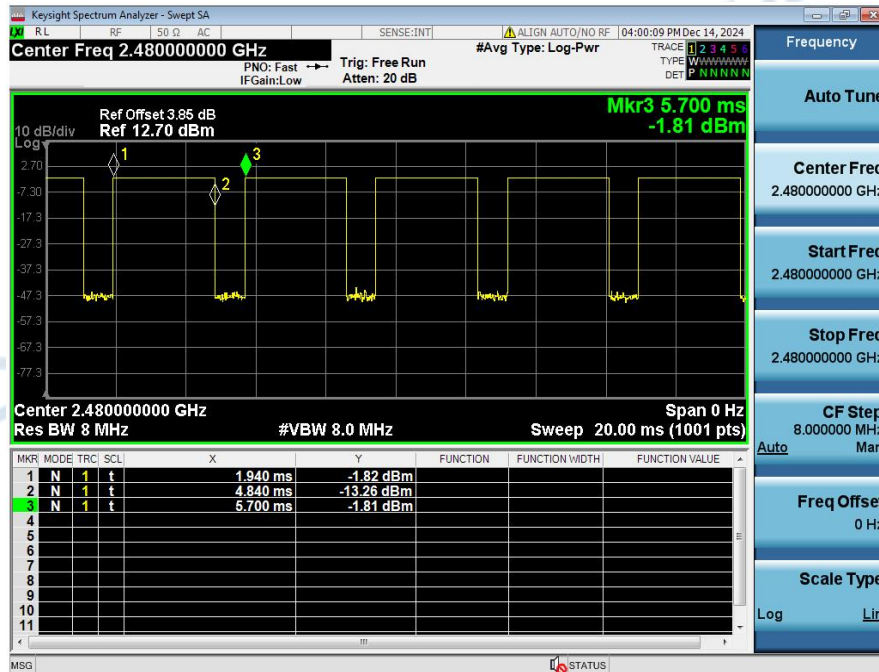




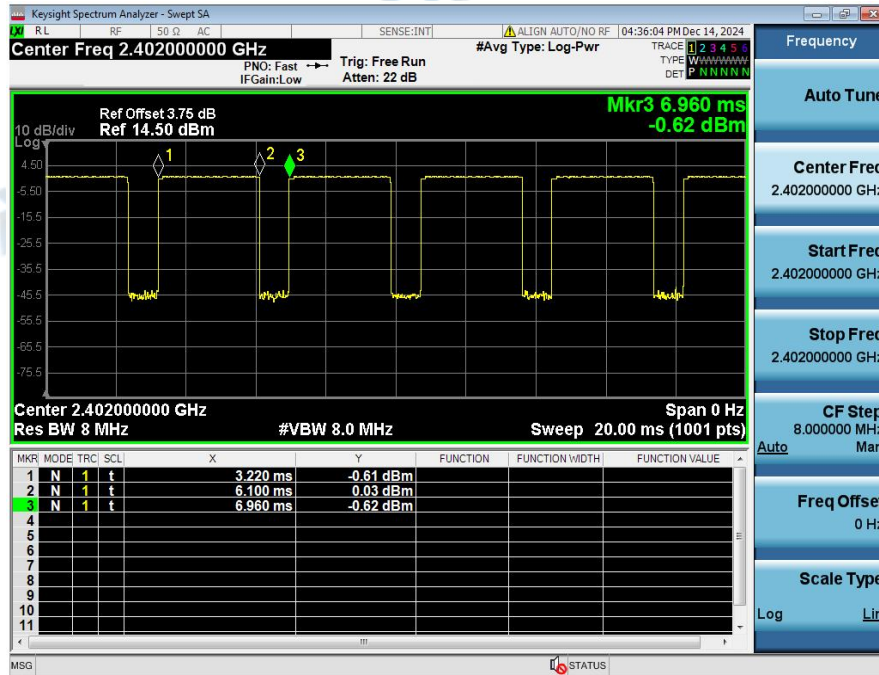
### Duty\_Cycle\_NVNT\_ANT1\_1-DH5\_2441



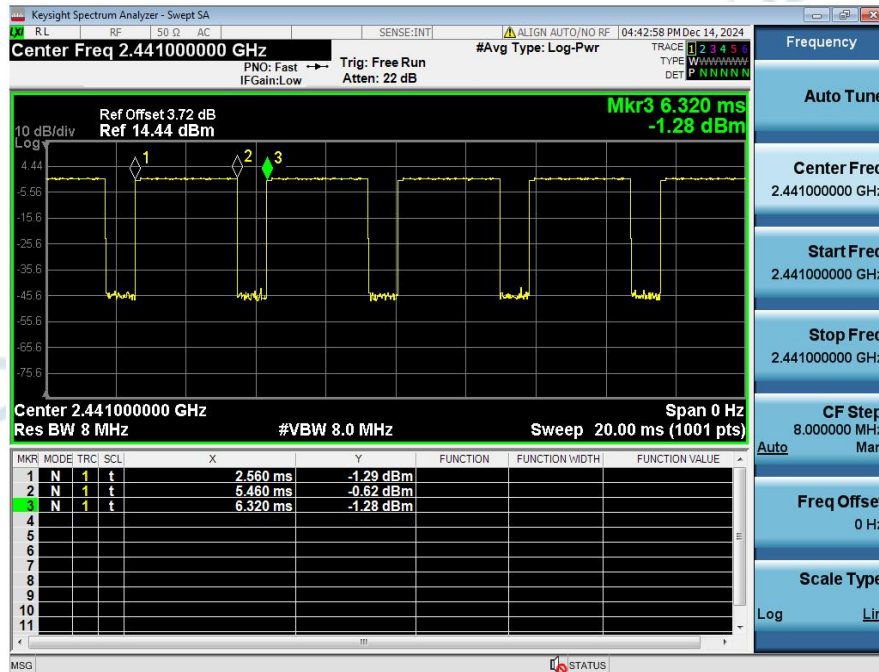
### Duty\_Cycle\_NVNT\_ANT1\_1-DH5\_2480



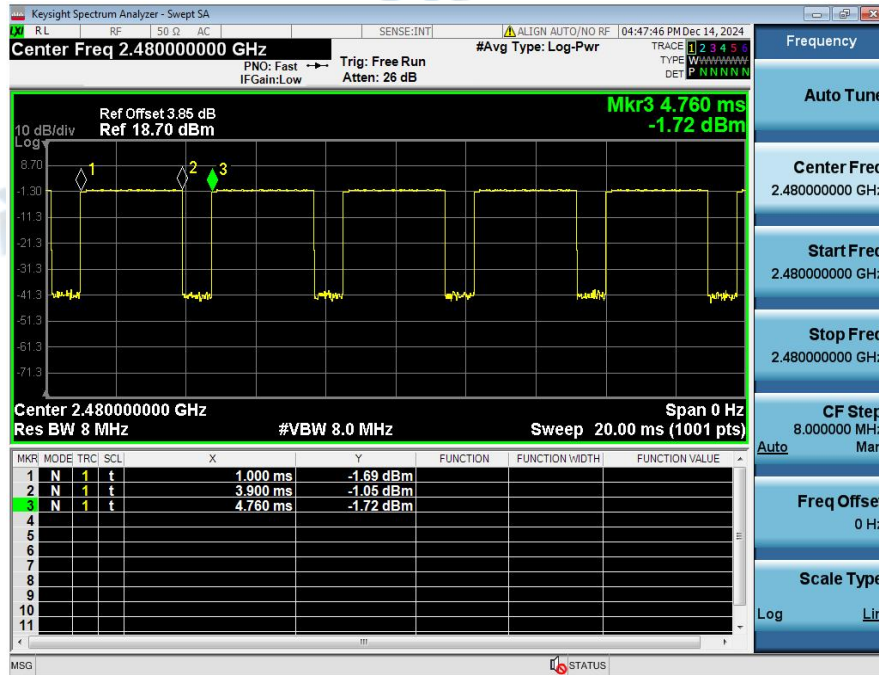
### Duty\_Cycle\_NVNT\_ANT1\_2-DH5\_2402



### Duty\_Cycle\_NVNT\_ANT1\_2-DH5\_2441

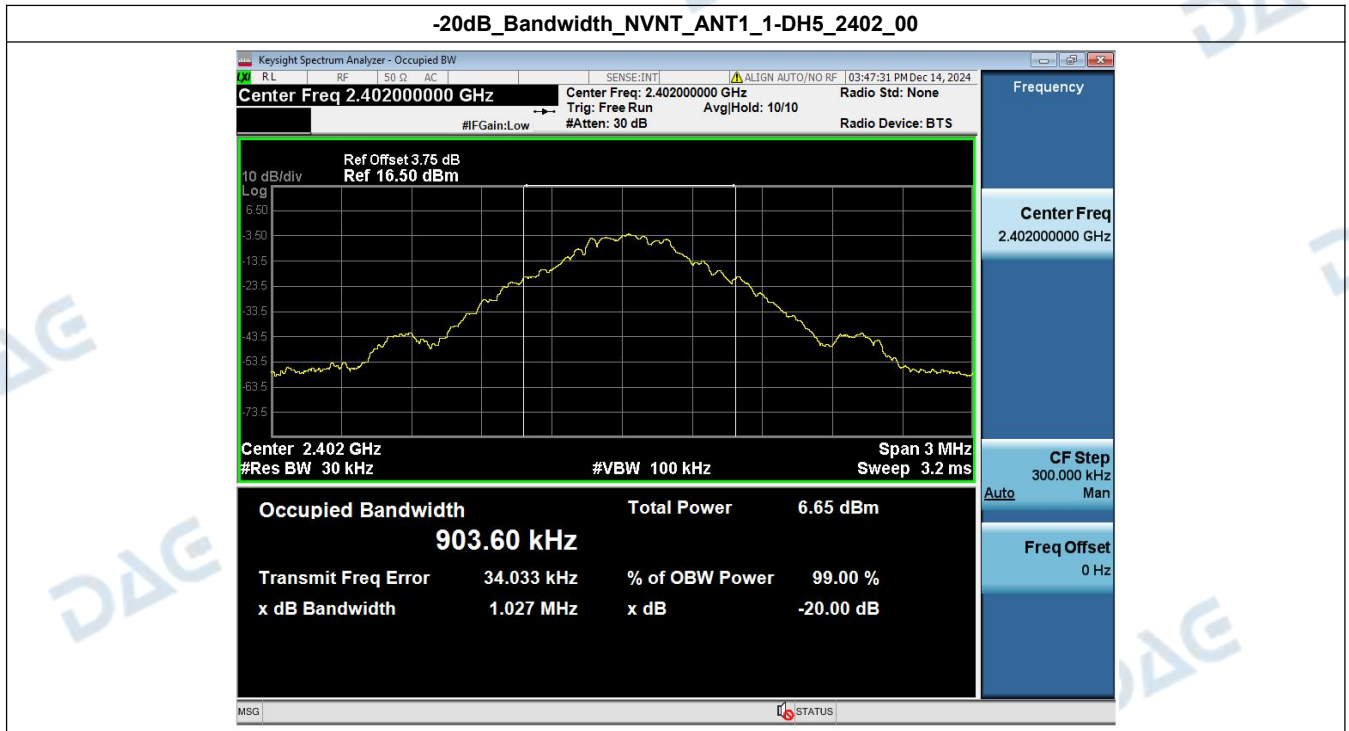


Duty\_Cycle\_NVNT\_ANT1\_2-DH5\_2480



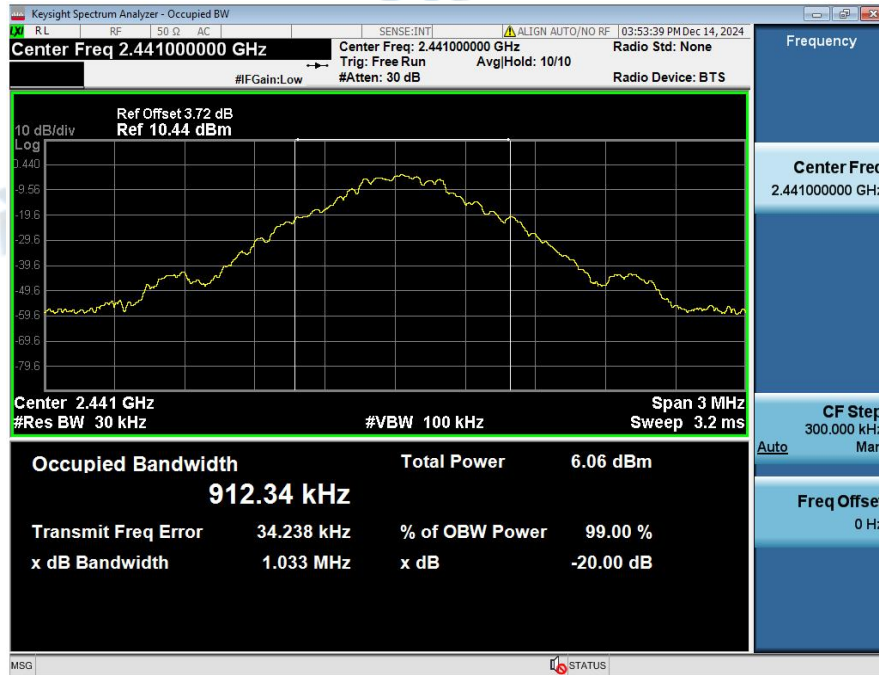
## 2. -20dB Bandwidth

| Condition | Antenna | Modulation | Frequency (MHz) | -20dB BW(MHz) | if larger than CFS |
|-----------|---------|------------|-----------------|---------------|--------------------|
| NVNT      | ANT1    | 1-DH5      | 2402.00         | 1.027         | Yes                |
| NVNT      | ANT1    | 1-DH5      | 2441.00         | 1.033         | Yes                |
| NVNT      | ANT1    | 1-DH5      | 2480.00         | 1.030         | Yes                |
| NVNT      | ANT1    | 2-DH5      | 2402.00         | 1.311         | Yes                |
| NVNT      | ANT1    | 2-DH5      | 2441.00         | 1.315         | Yes                |
| NVNT      | ANT1    | 2-DH5      | 2480.00         | 1.317         | Yes                |





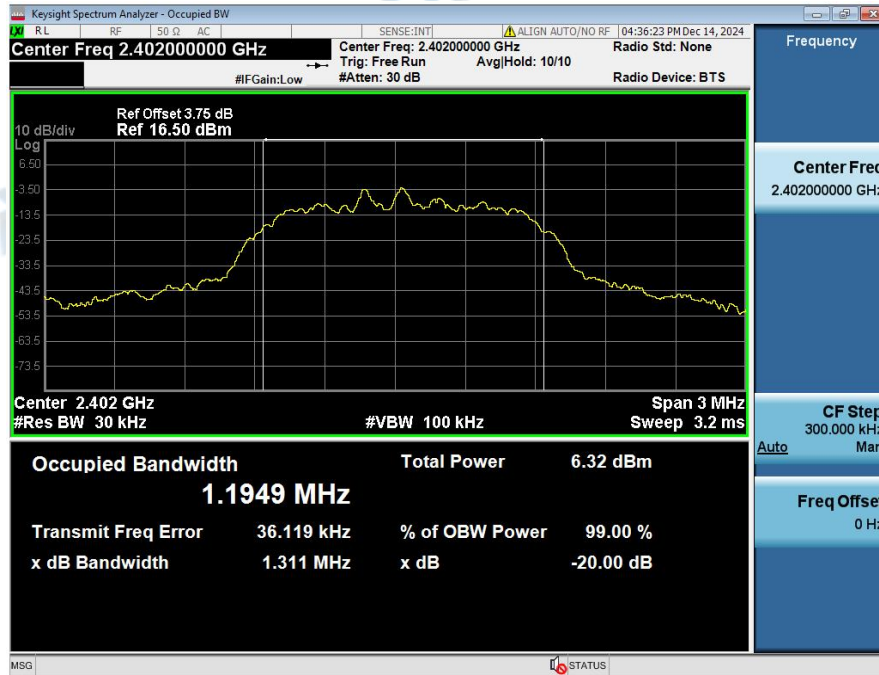
### -20dB\_Bandwidth\_NVNT\_ANT1\_1-DH5\_2441\_00



### -20dB\_Bandwidth\_NVNT\_ANT1\_1-DH5\_2480\_00



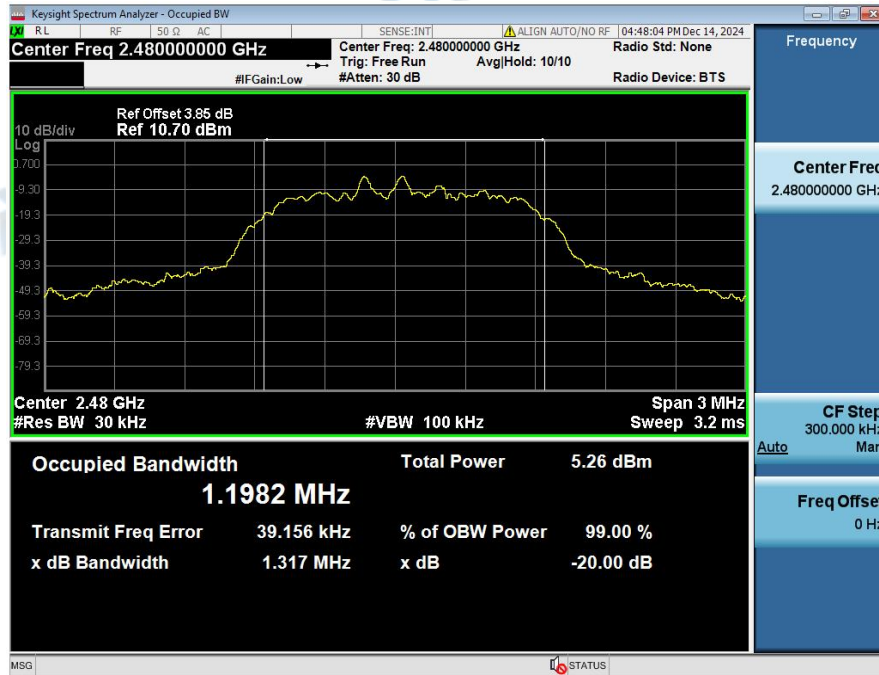
### -20dB\_Bandwidth\_NVNT\_ANT1\_2-DH5\_2402\_00



### -20dB\_Bandwidth\_NVNT\_ANT1\_2-DH5\_2441\_00



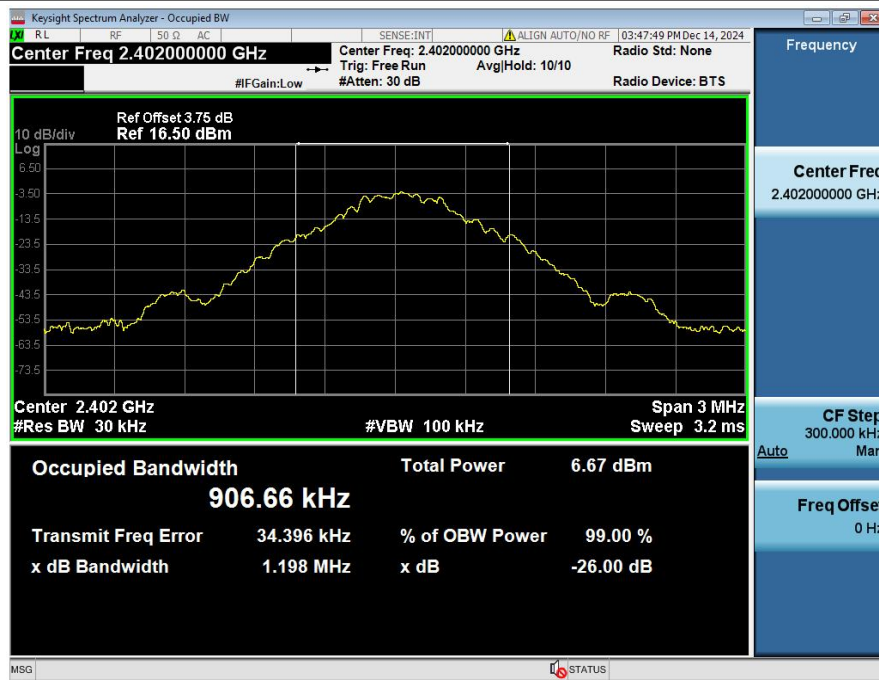
-20dB\_Bandwidth\_NVNT\_ANT1\_2-DH5\_2480\_00



### 3. 99% Occupied Bandwidth

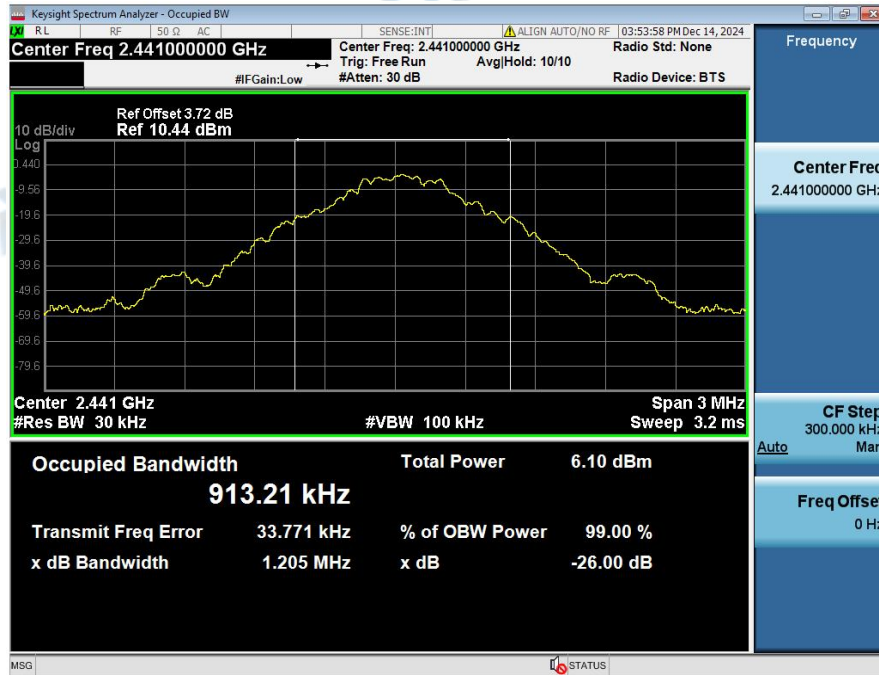
| Condition | Antenna | Modulation | Frequency (MHz) | 99% BW (MHz) |
|-----------|---------|------------|-----------------|--------------|
| NVNT      | ANT1    | 1-DH5      | 2402.00         | 0.907        |
| NVNT      | ANT1    | 1-DH5      | 2441.00         | 0.913        |
| NVNT      | ANT1    | 1-DH5      | 2480.00         | 0.909        |
| NVNT      | ANT1    | 2-DH5      | 2402.00         | 1.190        |
| NVNT      | ANT1    | 2-DH5      | 2441.00         | 1.197        |
| NVNT      | ANT1    | 2-DH5      | 2480.00         | 1.198        |

99%\_Occupied\_Bandwidth\_NVNT\_ANT1\_1-DH5\_2402\_00





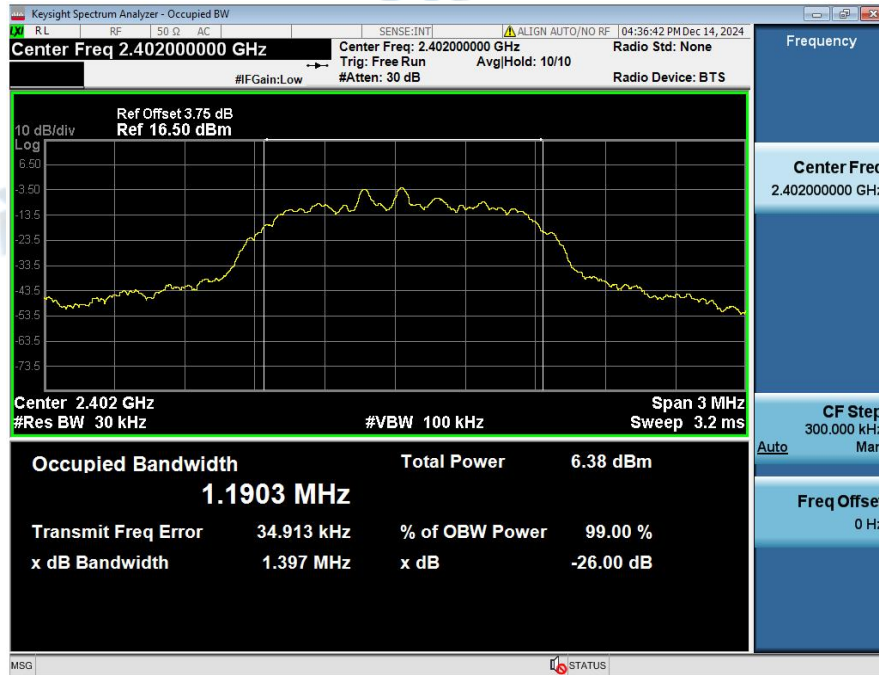
### 99%\_Occupied\_Bandwidth\_NVNT\_ANT1\_1-DH5\_2441\_00



### 99%\_Occupied\_Bandwidth\_NVNT\_ANT1\_1-DH5\_2480\_00



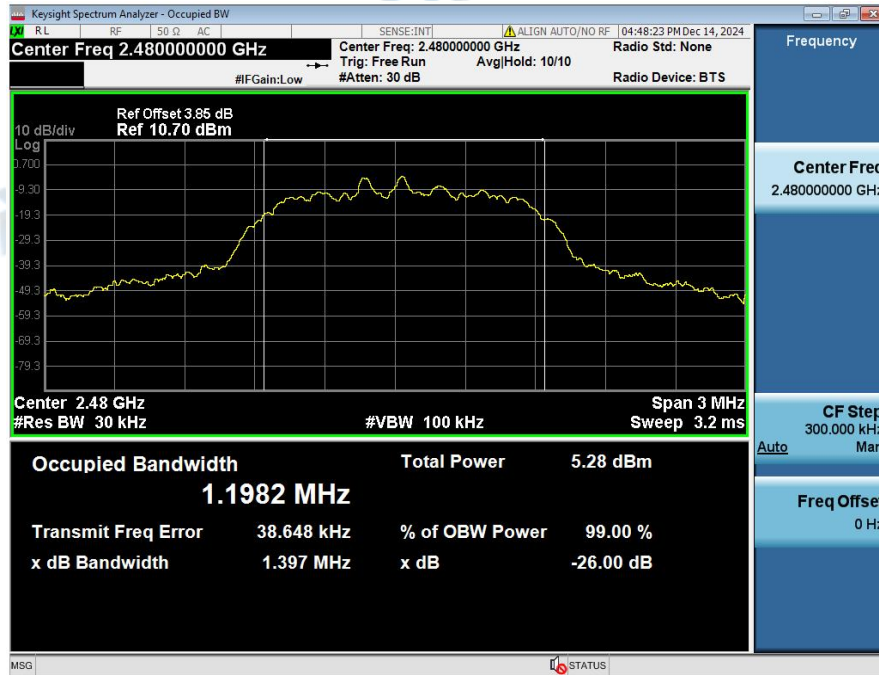
### 99%\_Occupied\_Bandwidth\_NVNT\_ANT1\_2-DH5\_2402\_00



### 99%\_Occupied\_Bandwidth\_NVNT\_ANT1\_2-DH5\_2441\_00



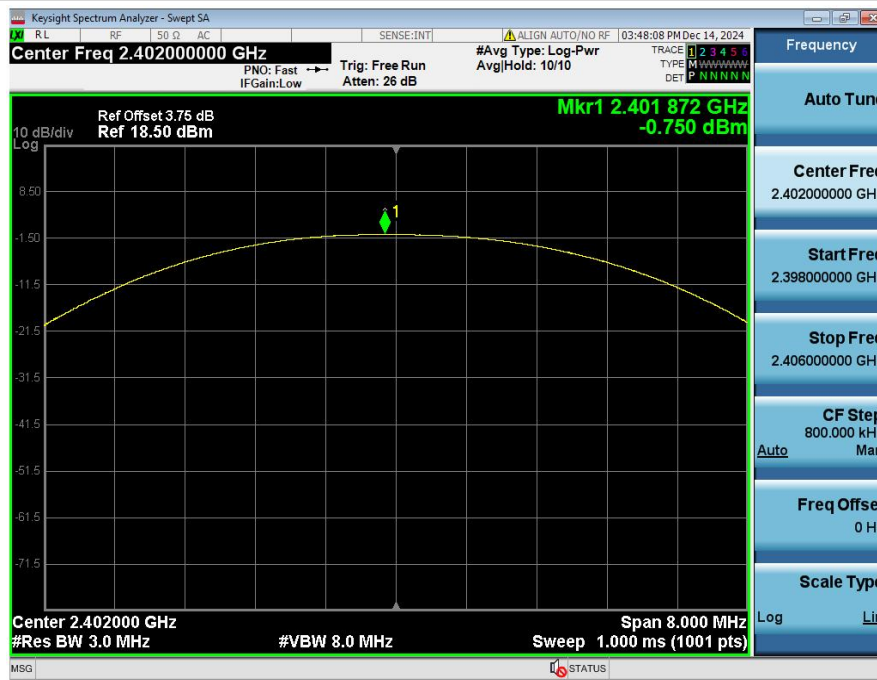
99%\_Occupied\_Bandwidth\_NVNT\_ANT1\_2-DH5\_2480\_00



#### 4. Peak Output Power

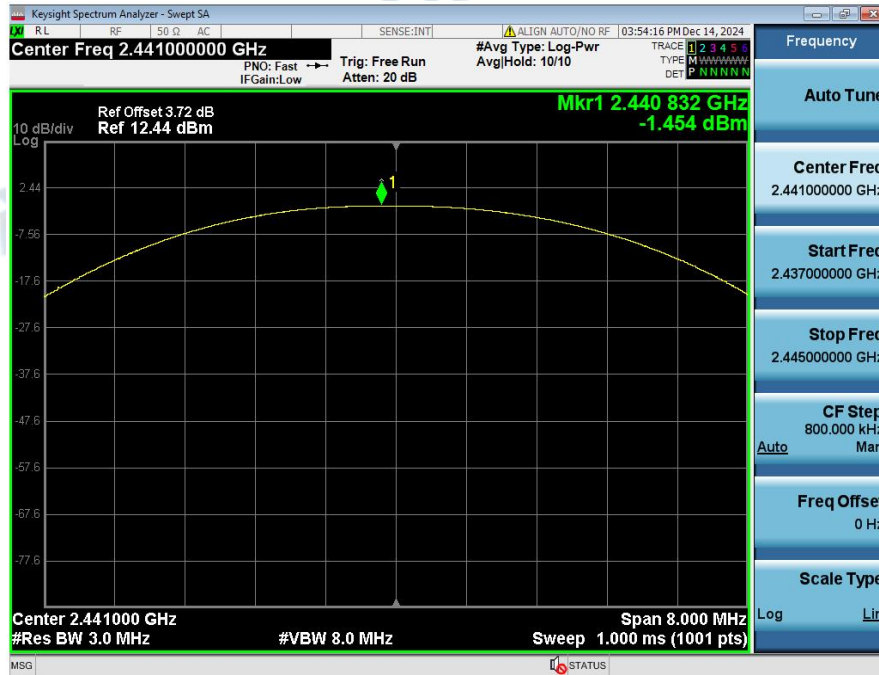
| Condition | Antenna | Modulation | Frequency (MHz) | Max. Conducted Power(dBm) | Max. Conducted Power(mW) | Limit(mW) | Result |
|-----------|---------|------------|-----------------|---------------------------|--------------------------|-----------|--------|
| NVNT      | ANT1    | 1-DH5      | 2402.00         | -0.75                     | 0.84                     | 125       | Pass   |
| NVNT      | ANT1    | 1-DH5      | 2441.00         | -1.45                     | 0.72                     | 125       | Pass   |
| NVNT      | ANT1    | 1-DH5      | 2480.00         | -1.80                     | 0.66                     | 125       | Pass   |
| NVNT      | ANT1    | 2-DH5      | 2402.00         | 0.20                      | 1.05                     | 125       | Pass   |
| NVNT      | ANT1    | 2-DH5      | 2441.00         | -0.43                     | 0.91                     | 125       | Pass   |
| NVNT      | ANT1    | 2-DH5      | 2480.00         | -0.94                     | 0.81                     | 125       | Pass   |

Peak\_Output\_Power\_NVNT\_ANT1\_1-DH5\_2402\_00

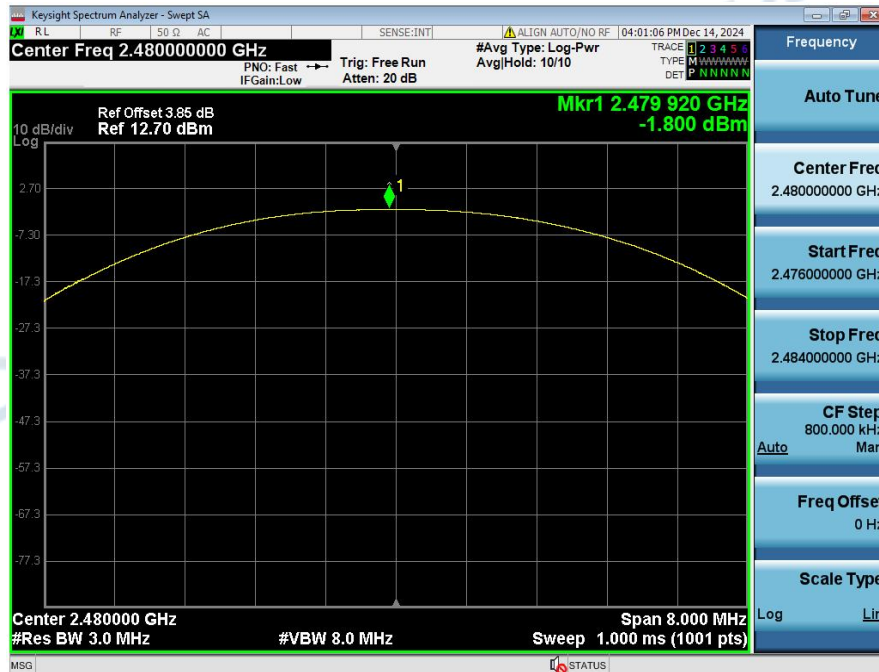




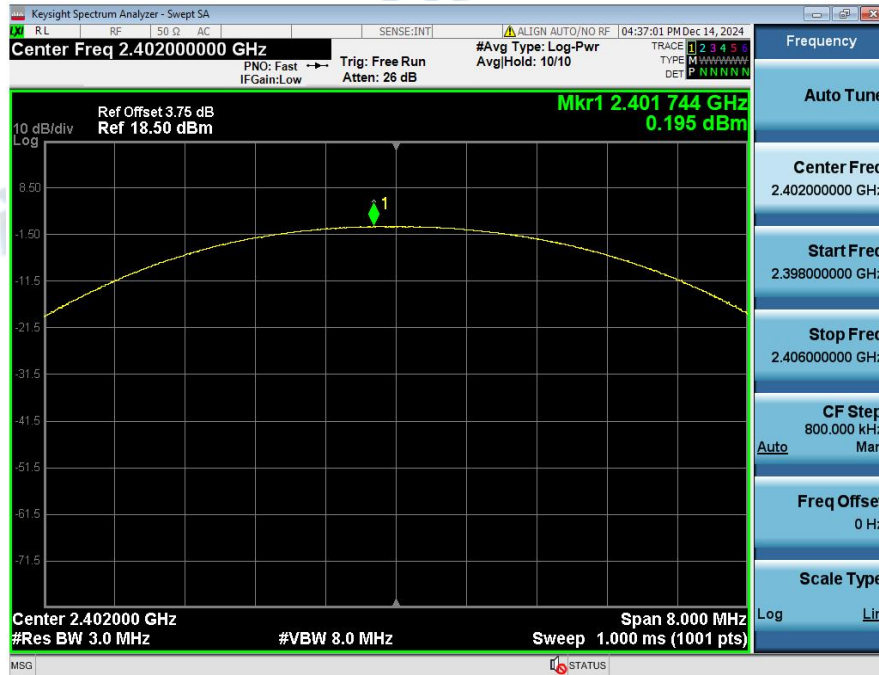
### Peak\_Output\_Power\_NVNT\_ANT1\_1-DH5\_2441\_00



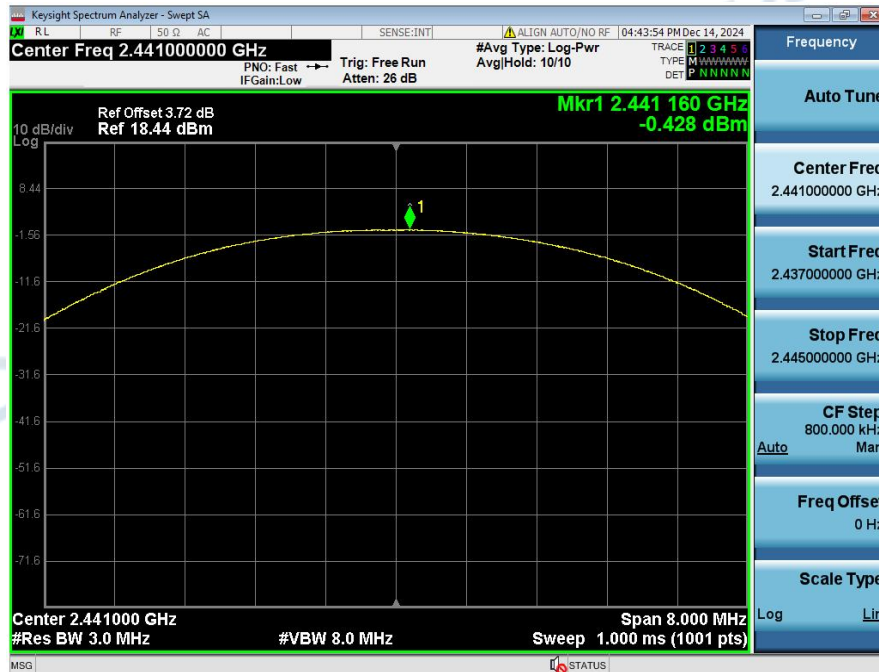
### Peak\_Output\_Power\_NVNT\_ANT1\_1-DH5\_2480\_00



### Peak\_Output\_Power\_NVNT\_ANT1\_2-DH5\_2402\_00



### Peak\_Output\_Power\_NVNT\_ANT1\_2-DH5\_2441\_00



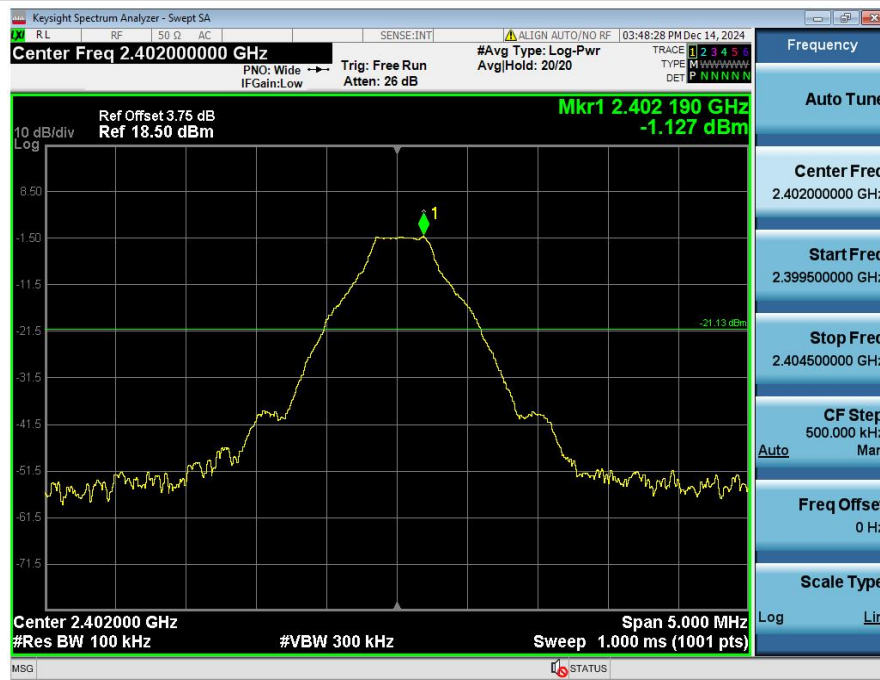
### Peak\_Output\_Power\_NVNT\_ANT1\_2-DH5\_2480\_00



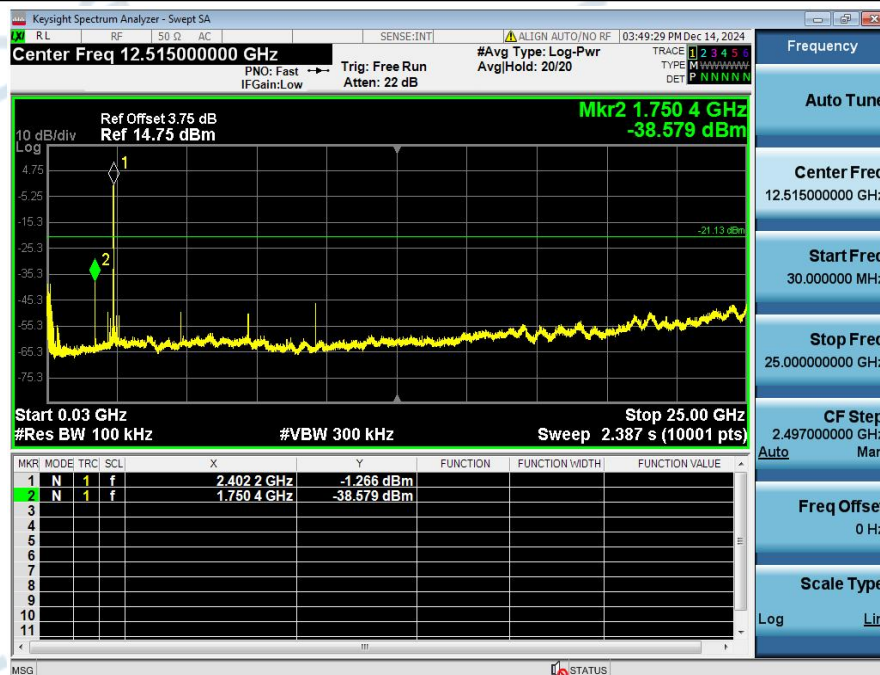
## 5. Spurious Emissions

| Condition | Antenna | Modulation | TX Mode | Ref_level(dBm) | Spurious<br>MAX.Value(dBm) | Limit   | Result |
|-----------|---------|------------|---------|----------------|----------------------------|---------|--------|
| NVNT      | ANT1    | 1-DH5      | 2402.00 | -1.127         | -38.579                    | -21.127 | Pass   |
| NVNT      | ANT1    | 1-DH5      | 2441.00 | -1.625         | -39.191                    | -21.625 | Pass   |
| NVNT      | ANT1    | 1-DH5      | 2480.00 | -1.969         | -38.663                    | -21.969 | Pass   |
| NVNT      | ANT1    | 2-DH5      | 2402.00 | -0.828         | -39.010                    | -20.828 | Pass   |
| NVNT      | ANT1    | 2-DH5      | 2441.00 | -1.633         | -39.240                    | -21.633 | Pass   |
| NVNT      | ANT1    | 2-DH5      | 2480.00 | -2.012         | -38.870                    | -22.012 | Pass   |

### 1\_Reference\_Level\_NVNT\_ANT1\_1-DH5\_2402\_00



### 2\_Spurious\_Emissions\_NVNT\_ANT1\_1-DH5\_2402\_00

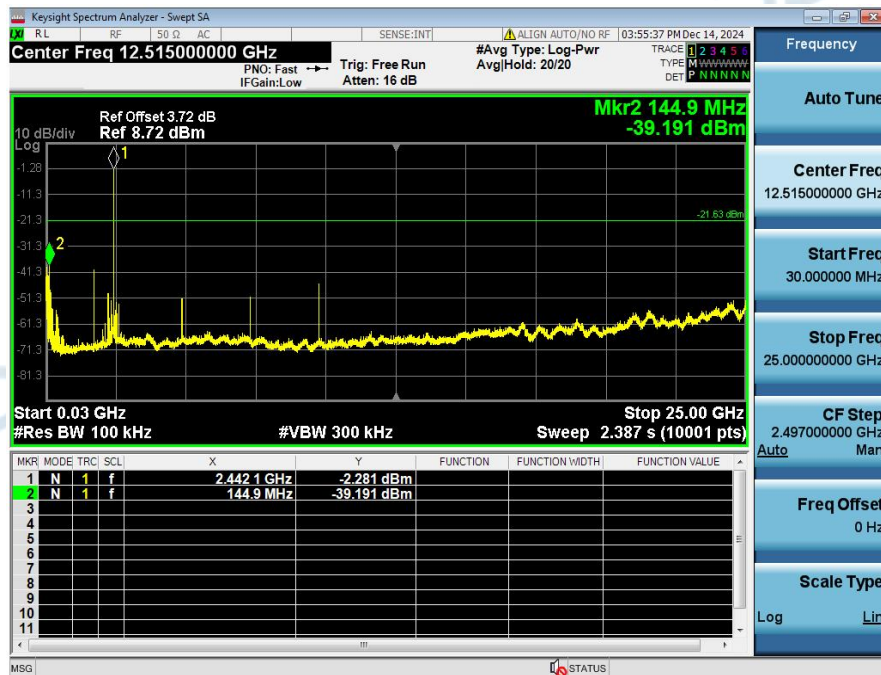




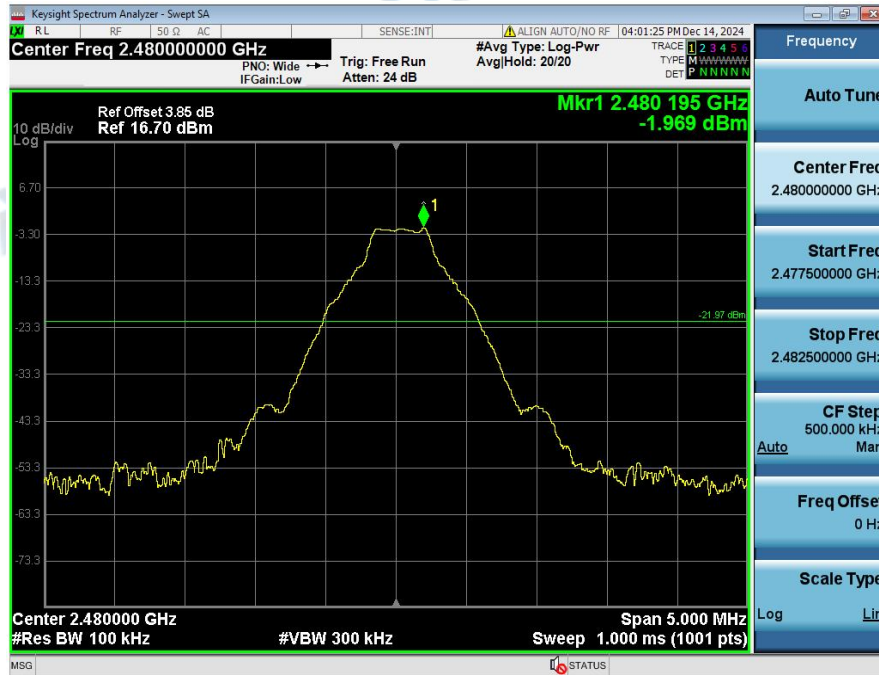
### 1\_Reference\_Level\_NVNT\_ANT1\_1-DH5\_2441\_00



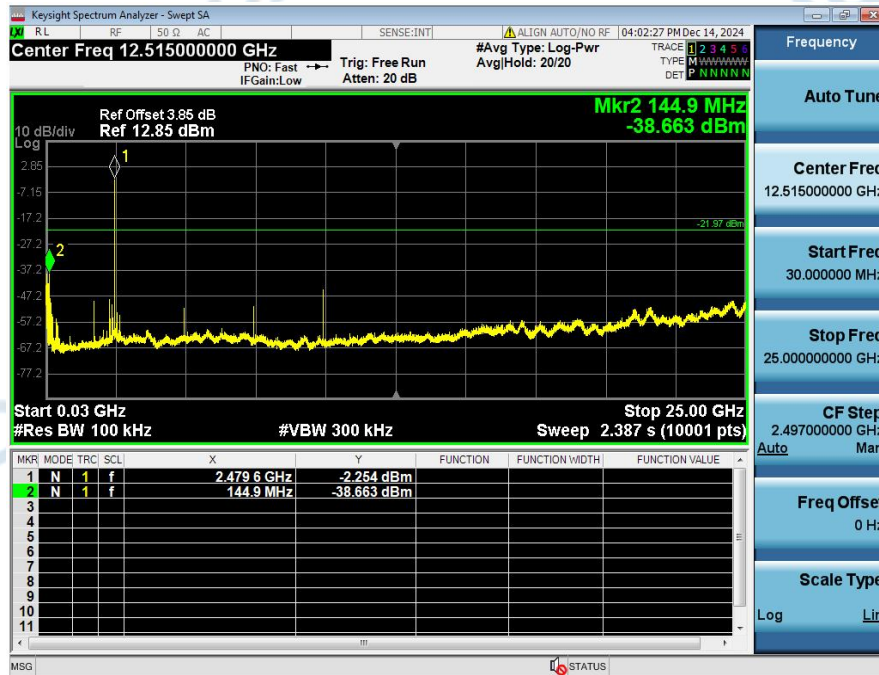
### 2\_Spurious\_Emissions\_NVNT\_ANT1\_1-DH5\_2441\_00



### 1\_Reference\_Level\_NVNT\_ANT1\_1-DH5\_2480\_00



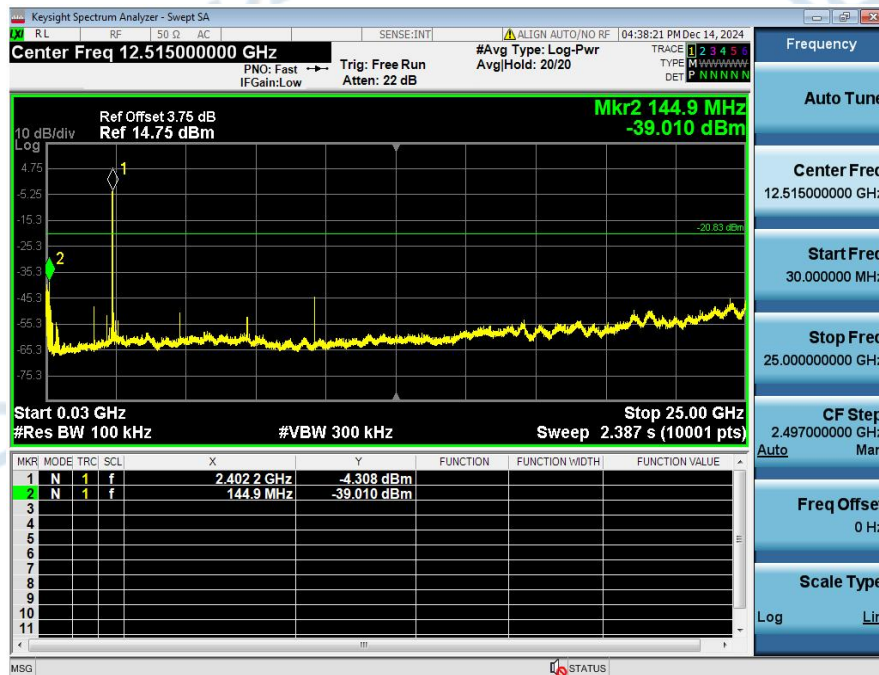
### 2\_Spurious\_Emissions\_NVNT\_ANT1\_1-DH5\_2480\_00



### 1\_Reference\_Level\_NVNT\_ANT1\_2-DH5\_2402\_00



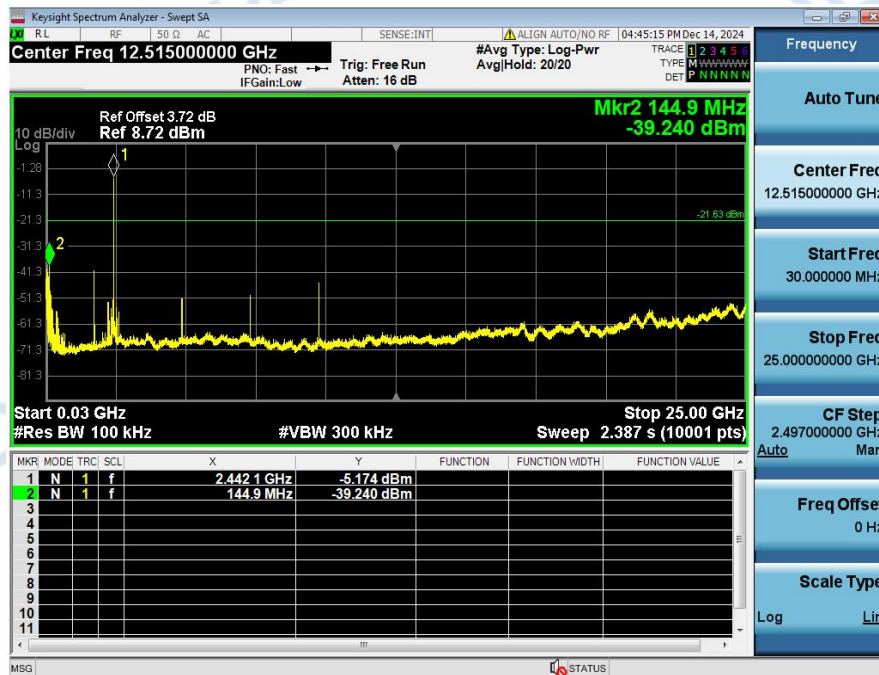
### 2\_Spurious\_Emissions\_NVNT\_ANT1\_2-DH5\_2402\_00



## 1\_Reference\_Level\_NVNT\_ANT1\_2-DH5\_2441\_00

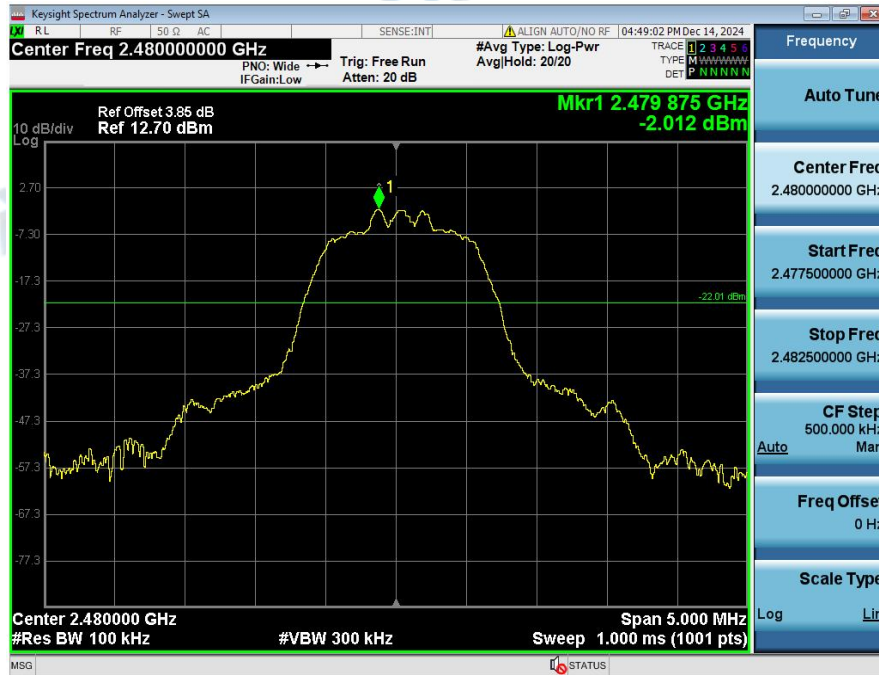


## 2\_Spurious\_Emissions\_NVNT\_ANT1\_2-DH5\_2441\_00

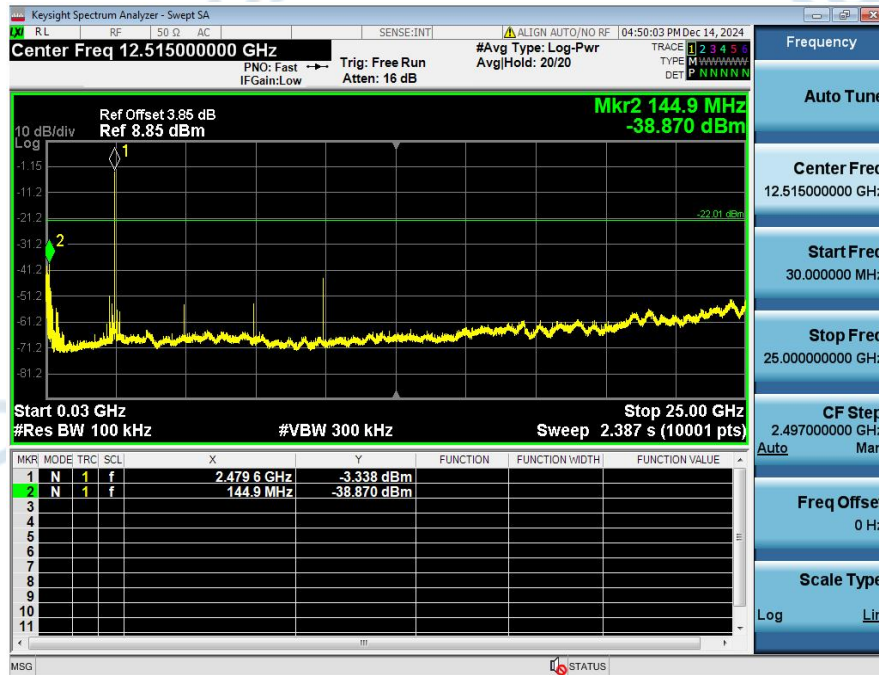




### 1\_Reference\_Level\_NVNT\_ANT1\_2-DH5\_2480\_00



### 2\_Spurious\_Emissions\_NVNT\_ANT1\_2-DH5\_2480\_00



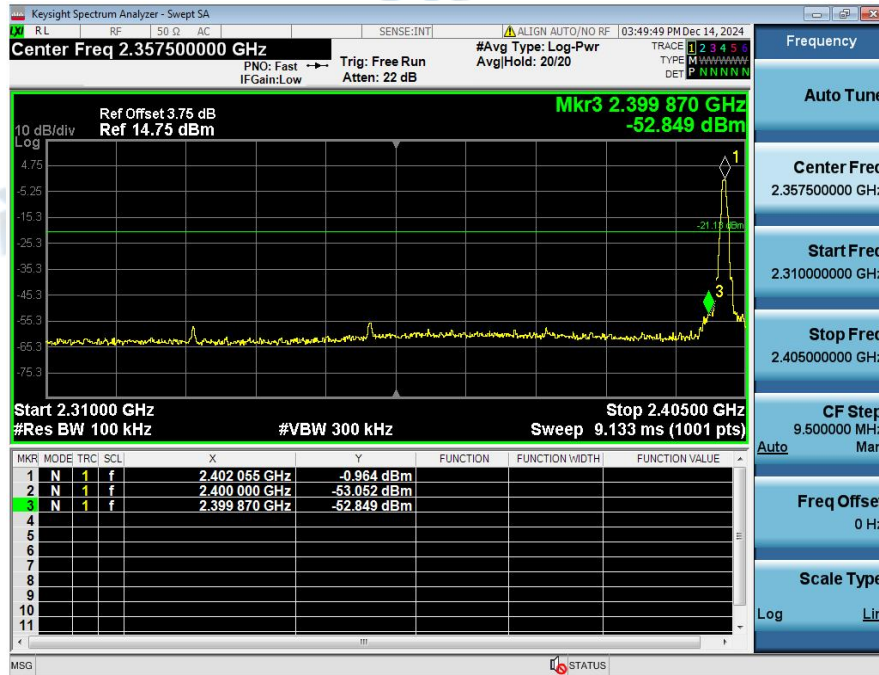
## 6. Bandedge

| Condition | Antenna | Modulation | TX Mode     | Ref_level(dBm) | Bandedge MAX.Value | Limit   | Result |
|-----------|---------|------------|-------------|----------------|--------------------|---------|--------|
| NVNT      | ANT1    | 1-DH5      | 2402.00     | -1.127         | -52.849            | -21.127 | Pass   |
| NVNT      | ANT1    | 1-DH5      | Hopping_LCH | -1.161         | -55.265            | -21.161 | Pass   |
| NVNT      | ANT1    | 1-DH5      | 2480.00     | -1.969         | -60.351            | -21.969 | Pass   |
| NVNT      | ANT1    | 1-DH5      | Hopping_HCH | -1.005         | -51.710            | -21.005 | Pass   |
| NVNT      | ANT1    | 2-DH5      | 2402.00     | -0.828         | -52.226            | -20.828 | Pass   |
| NVNT      | ANT1    | 2-DH5      | Hopping_LCH | -0.988         | -52.716            | -20.988 | Pass   |
| NVNT      | ANT1    | 2-DH5      | 2480.00     | -2.012         | -63.420            | -22.012 | Pass   |
| NVNT      | ANT1    | 2-DH5      | Hopping_HCH | -0.913         | -52.275            | -20.913 | Pass   |

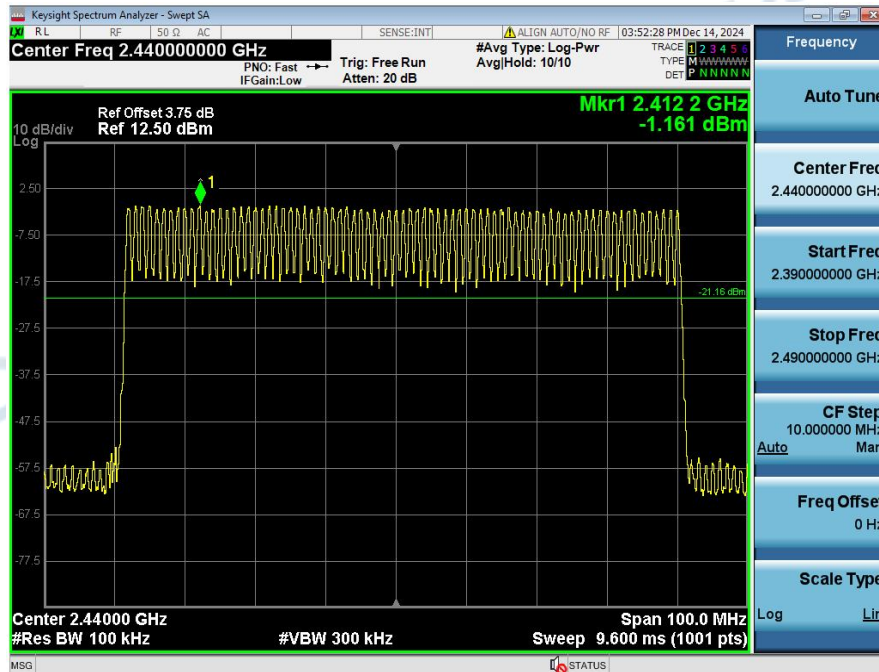
1\_Reference\_Level\_NVNT\_ANT1\_1-DH5\_2402\_00



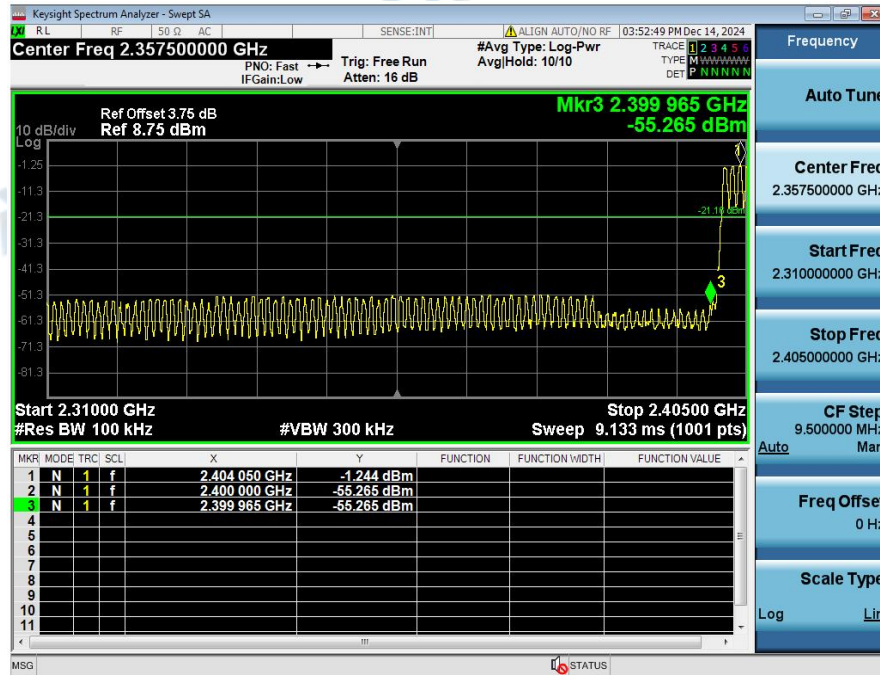
## 2\_Bandedge\_NVNT\_ANT1\_1-DH5\_2402\_00



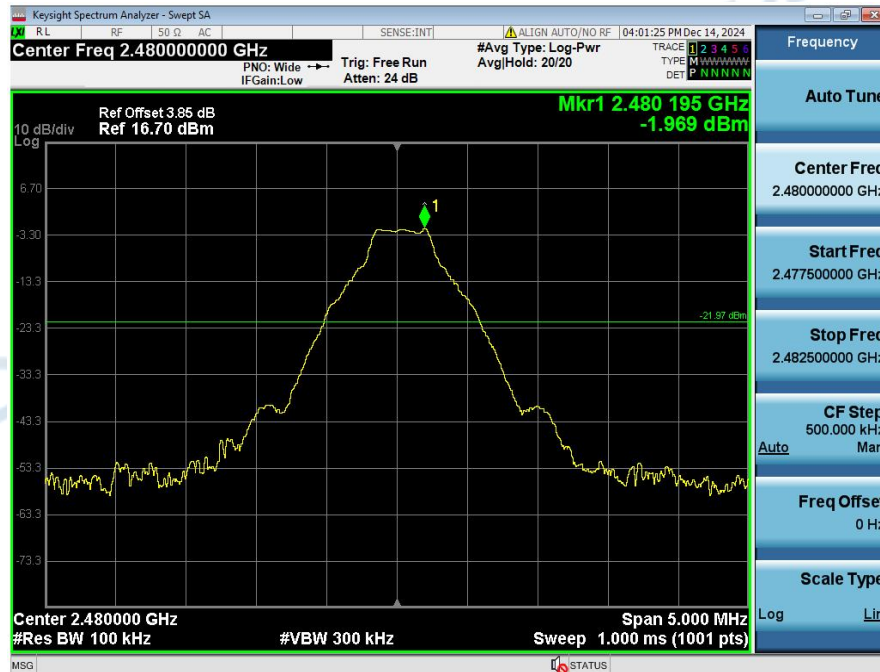
## 1\_Reference\_Level\_Hopping\_NVNT\_ANT1\_1-DH5\_Hopping



## 2\_Band\_Edge\_(Hopping)\_NVNT\_ANT1\_1-DH5\_Hopping

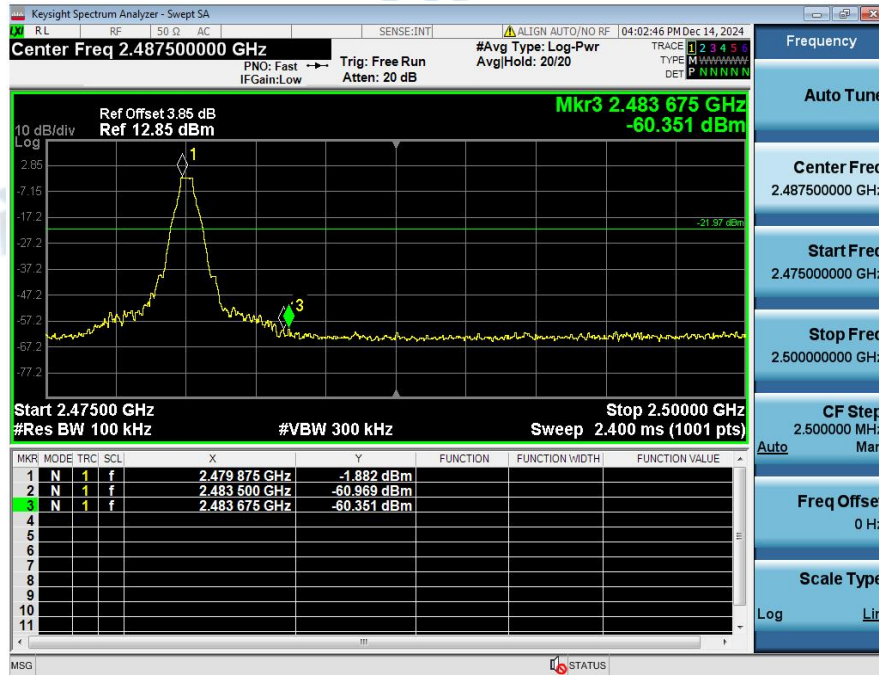


## 1\_Reference\_Level\_NVNT\_ANT1\_1-DH5\_2480\_00

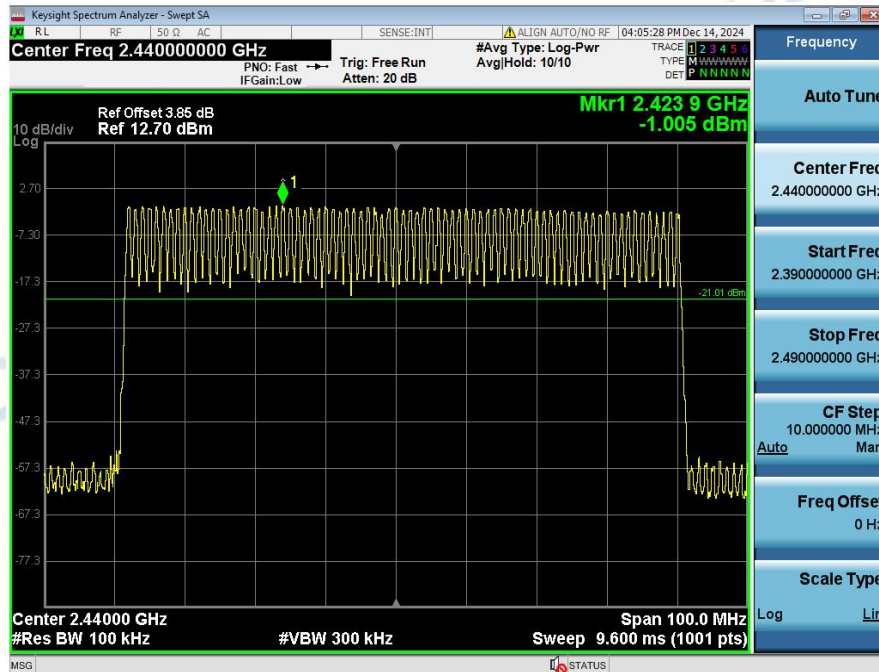




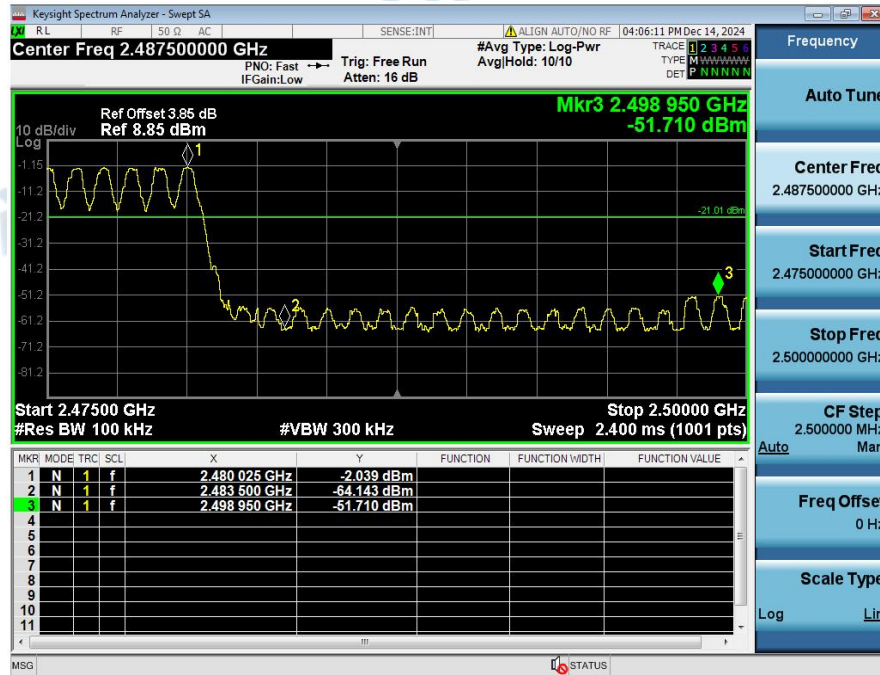
## 2\_Bandedge\_NVNT\_ANT1\_1-DH5\_2480\_00



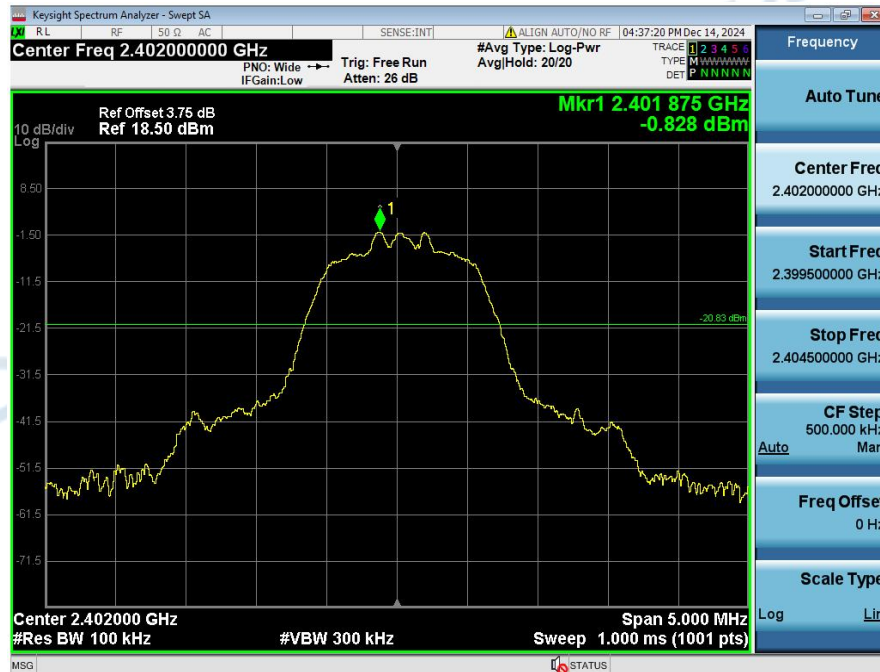
## 1\_Reference\_Level\_Hopping\_NVNT\_ANT1\_1-DH5\_Hopping



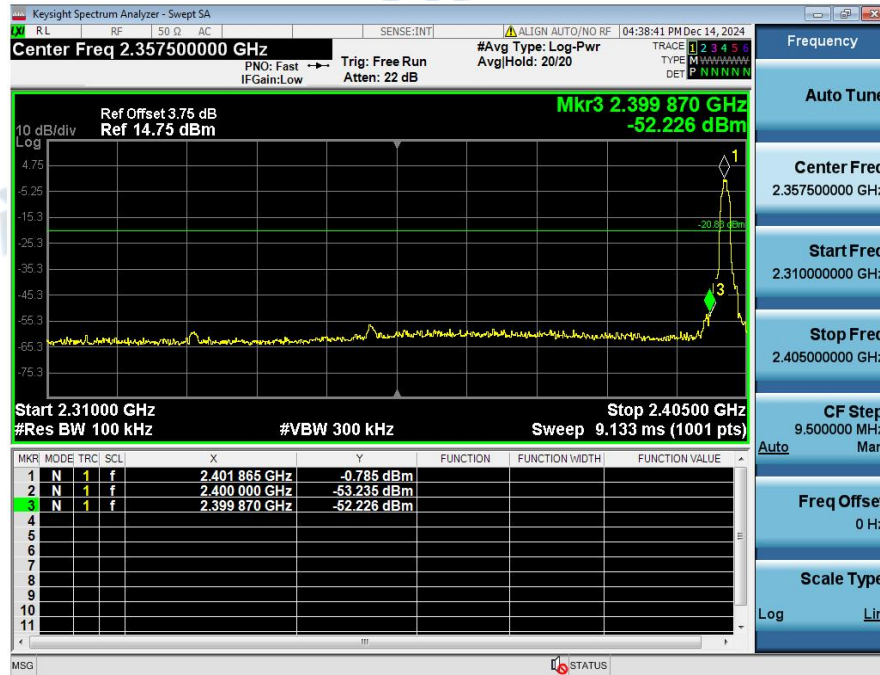
## 2\_Band\_Edge\_(Hopping)\_NVNT\_ANT1\_1-DH5\_Hopping



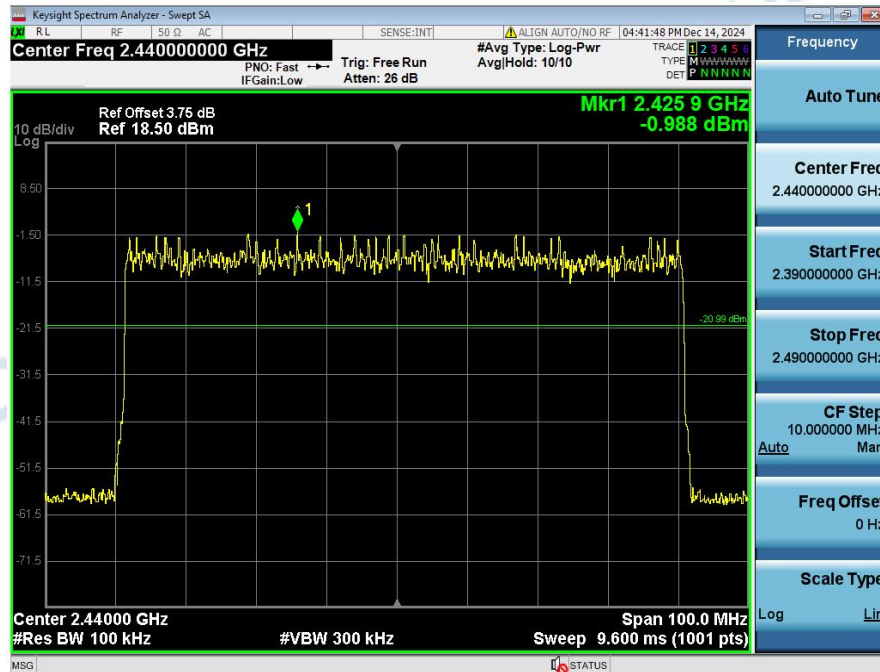
## 1\_Reference\_Level\_NVNT\_ANT1\_2-DH5\_2402\_00



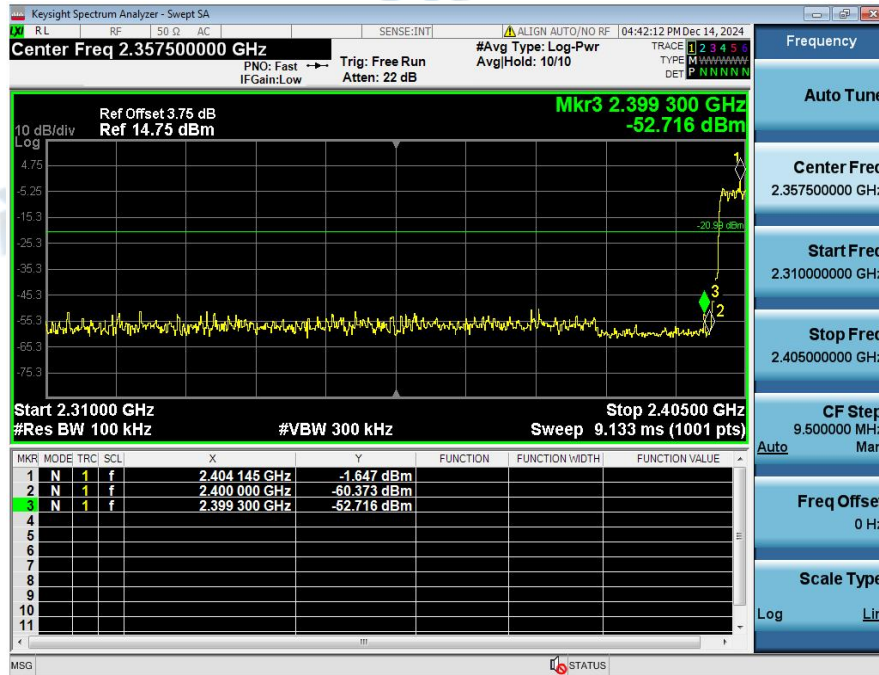
## 2\_Bandedge\_NVNT\_ANT1\_2-DH5\_2402\_00



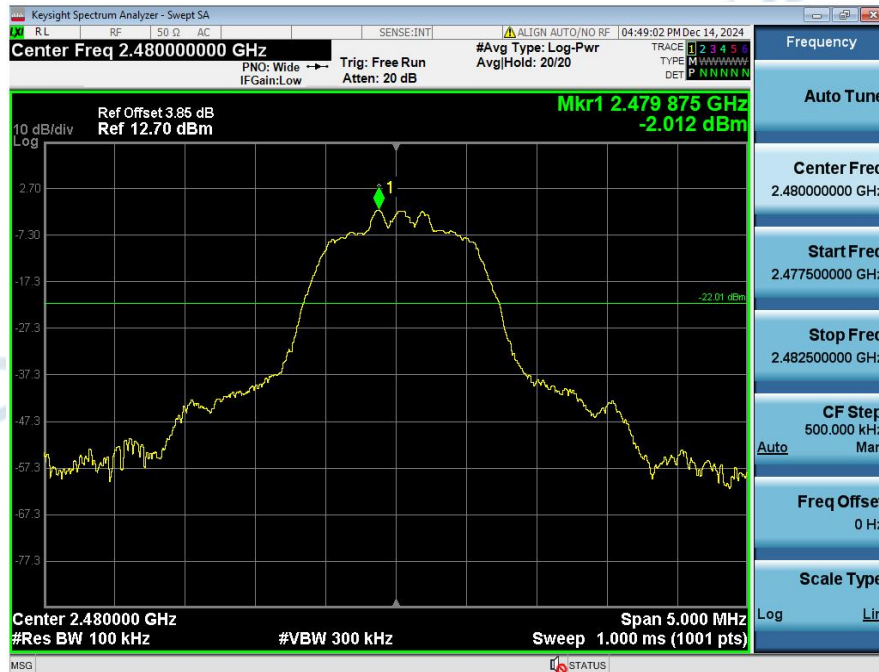
## 1\_Reference\_Level\_Hopping\_NVNT\_ANT1\_2-DH5\_Hopping



## 2\_Band\_Edge\_(Hopping)\_NVNT\_ANT1\_2-DH5\_Hopping

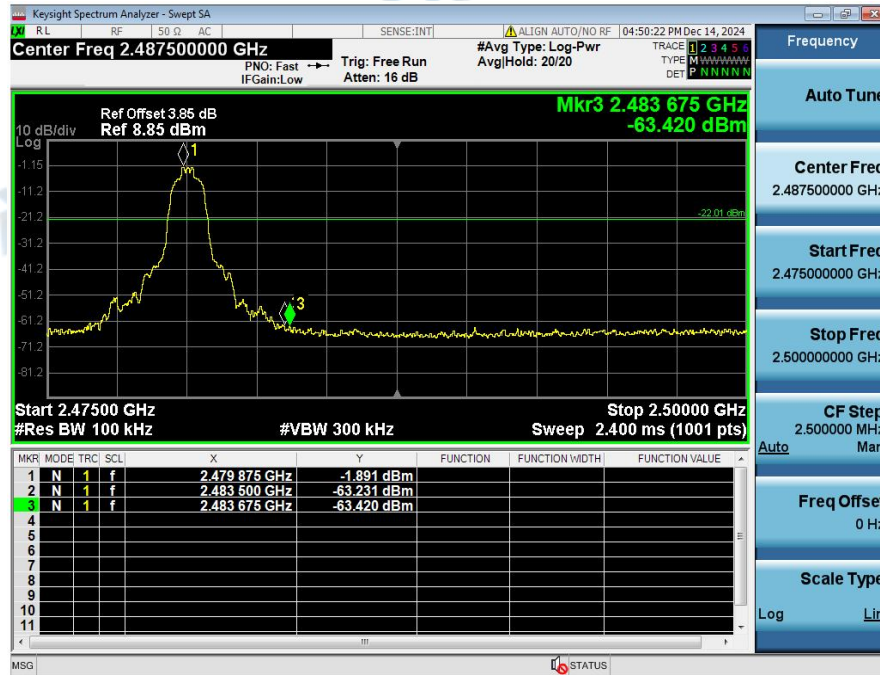


## 1\_Reference\_Level\_NVNT\_ANT1\_2-DH5\_2480\_00

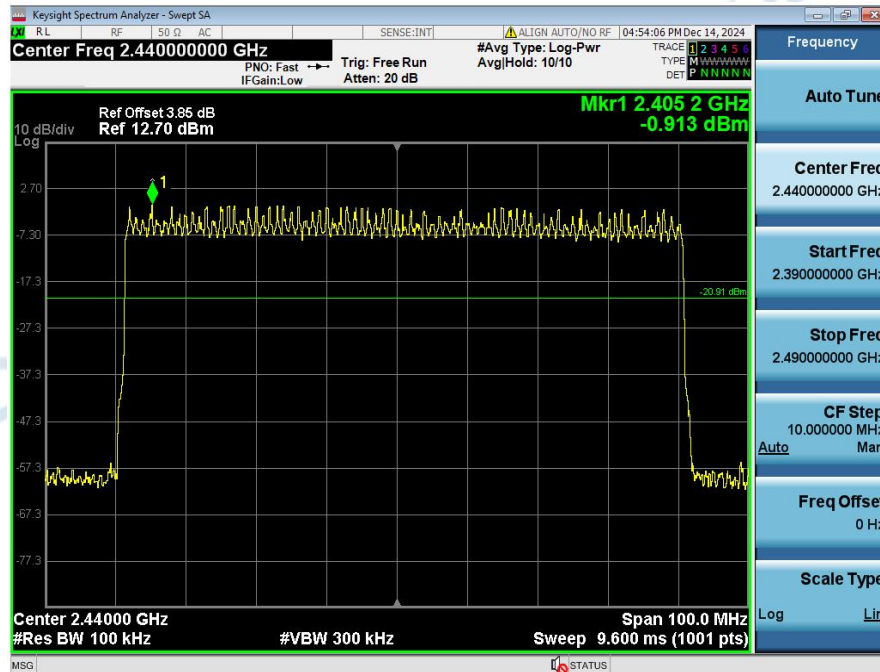




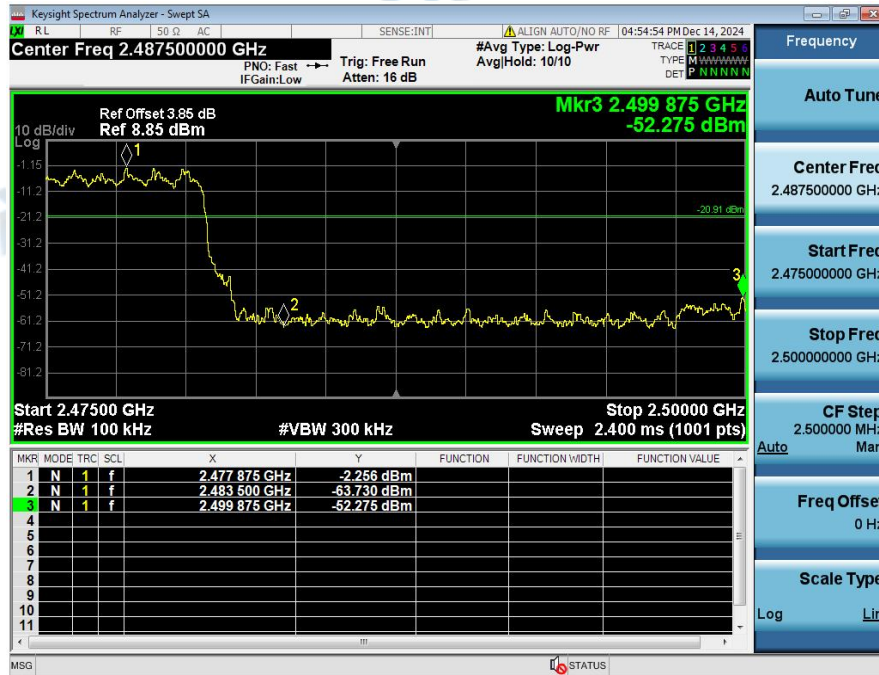
## 2\_Bandedge\_NVNT\_ANT1\_2-DH5\_2480\_00



## 1\_Reference\_Level\_Hopping\_NVNT\_ANT1\_2-DH5\_Hopping



## 2\_Band\_Edge\_(Hopping)\_NVNT\_ANT1\_2-DH5\_Hopping



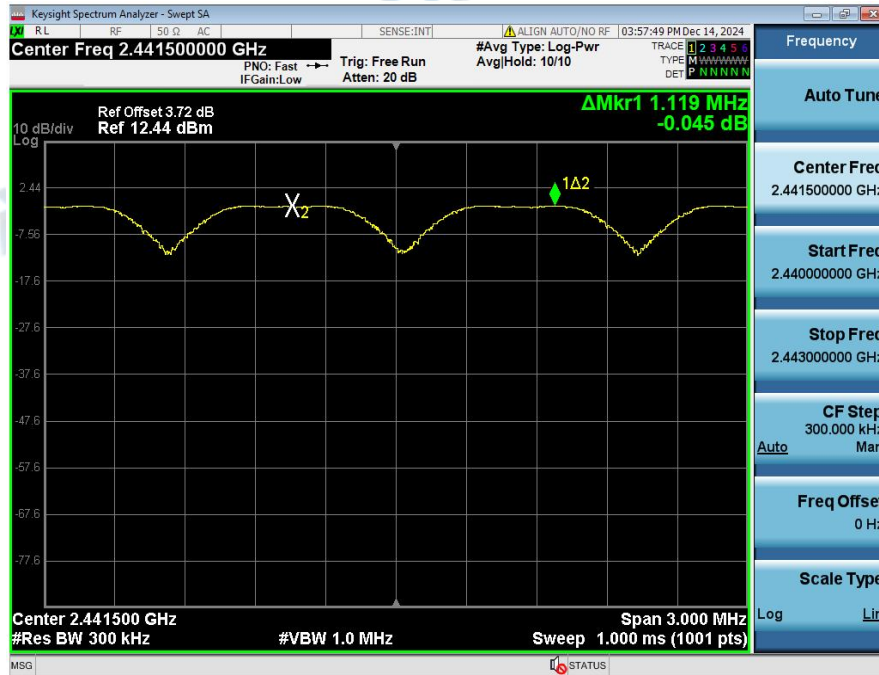
## 7. Carrier Frequencies Separation (Hopping)

| Condition | Antenna | Modulation | Frequency(MHz) | Hopping NO.0 (MHz) | Hopping NO.1 (MHz) | Carrier Frequencies Separation(MHz) | Limit(MHz) | Result |
|-----------|---------|------------|----------------|--------------------|--------------------|-------------------------------------|------------|--------|
| NVNT      | ANT1    | 1-DH5      | 2402.00        | 2402.068           | 2403.031           | 0.96                                | 0.685      | Pass   |
| NVNT      | ANT1    | 1-DH5      | 2441.00        | 2441.059           | 2442.178           | 1.12                                | 0.689      | Pass   |
| NVNT      | ANT1    | 1-DH5      | 2480.00        | 2478.879           | 2480.046           | 1.17                                | 0.687      | Pass   |
| NVNT      | ANT1    | 2-DH5      | 2402.00        | 2402.050           | 2403.052           | 1.00                                | 0.874      | Pass   |
| NVNT      | ANT1    | 2-DH5      | 2441.00        | 2440.891           | 2442.064           | 1.17                                | 0.877      | Pass   |
| NVNT      | ANT1    | 2-DH5      | 2480.00        | 2479.062           | 2480.184           | 1.12                                | 0.878      | Pass   |

Carrier\_Frequencies\_Separation\_(Hopping)\_NVNT\_ANT1\_1-DH5\_Hopping



## Carrier\_Frequencies\_Separation\_(Hopping)\_NVNT\_ANT1\_1-DH5\_Hopping

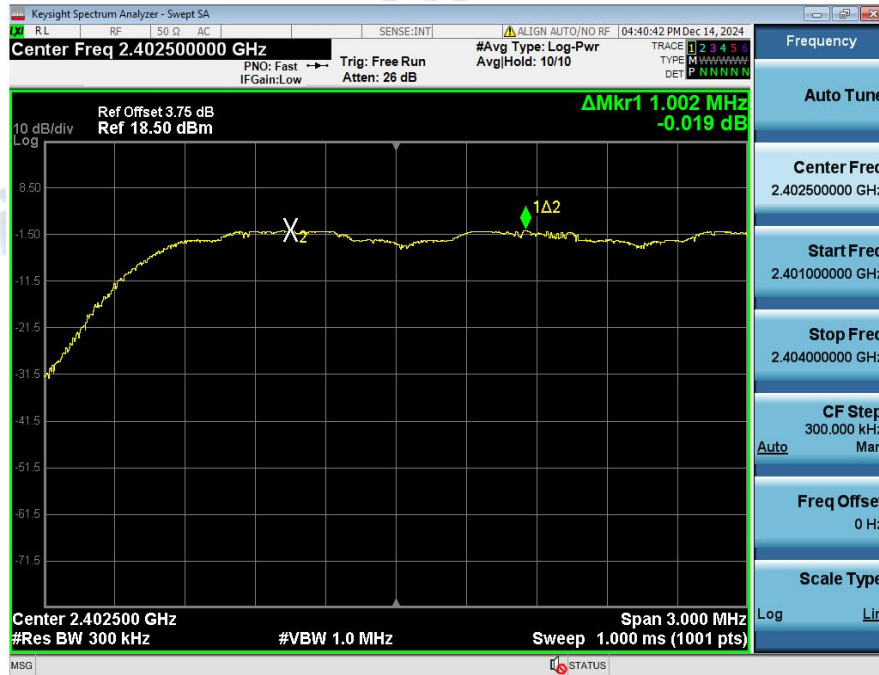


## Carrier\_Frequencies\_Separation\_(Hopping)\_NVNT\_ANT1\_1-DH5\_Hopping

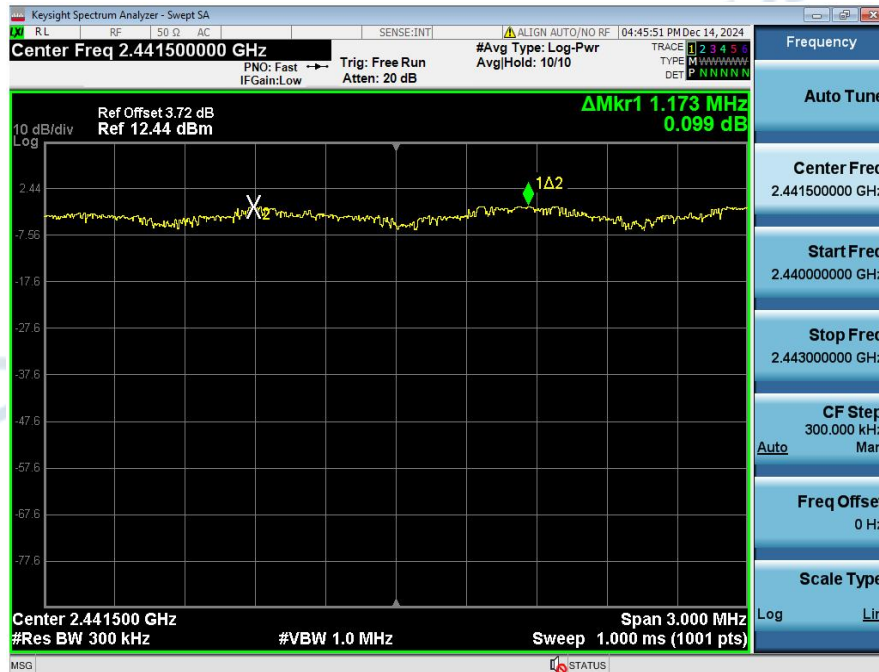




### Carrier\_Frequencies\_Separation\_(Hopping)\_NVNT\_ANT1\_2-DH5\_Hopping



### Carrier\_Frequencies\_Separation\_(Hopping)\_NVNT\_ANT1\_2-DH5\_Hopping

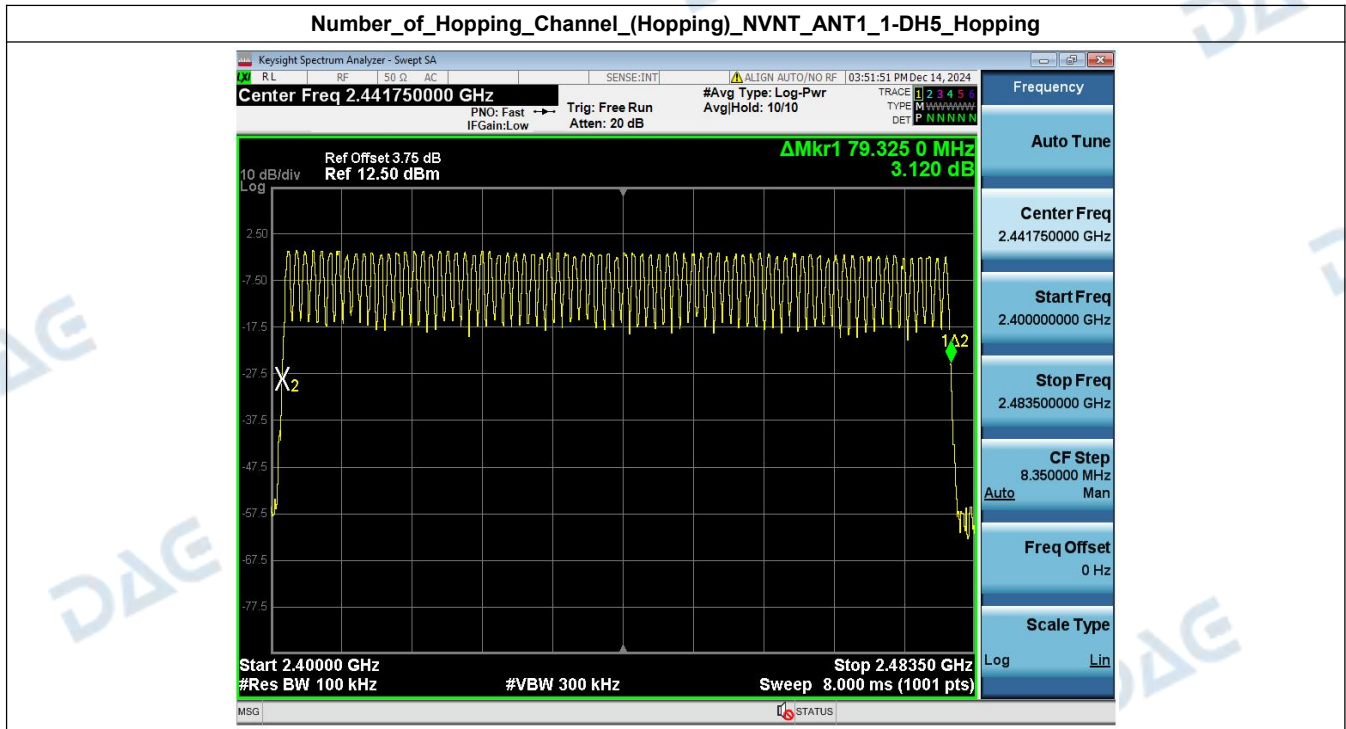


# Carrier\_Frequencies\_Separation\_(Hopping)\_NVNT\_ANT1\_2-DH5\_Hopping

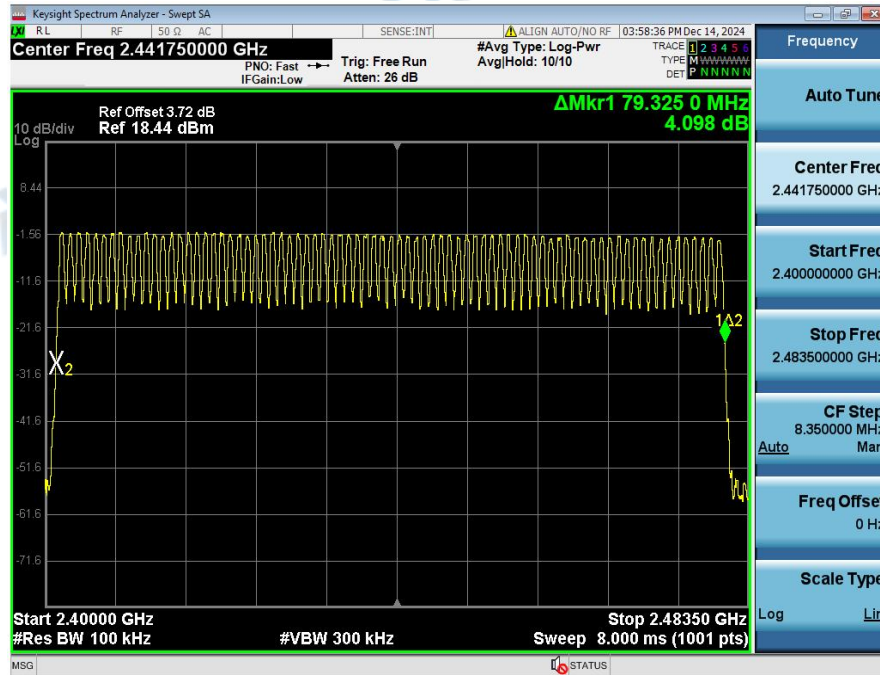


## 8. Number of Hopping Channel (Hopping)

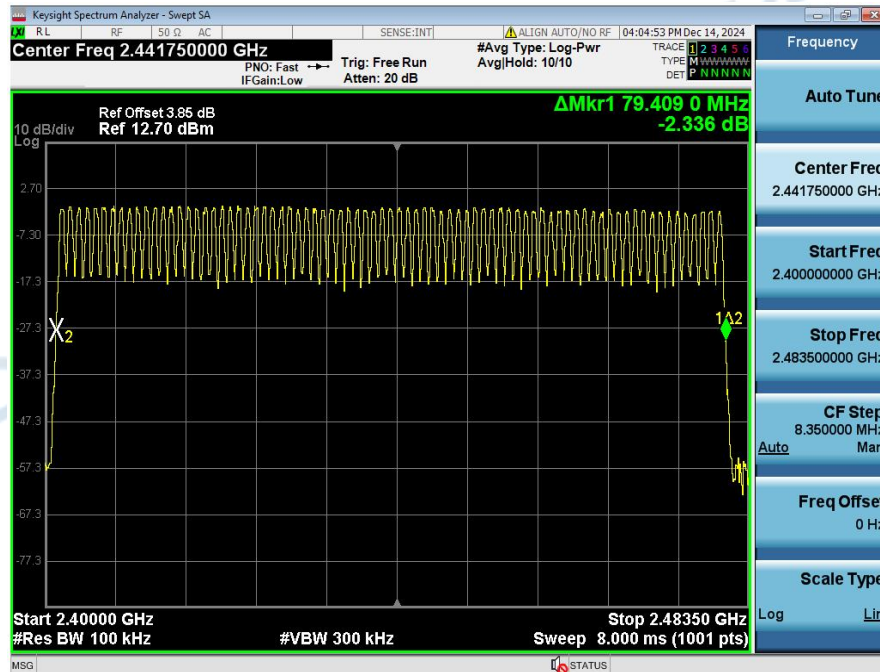
| Condition | Antenna | Modulation | Hopping Num | Limit | Result |
|-----------|---------|------------|-------------|-------|--------|
| NVNT      | ANT1    | 1-DH5      | 79          | 15    | Pass   |
| NVNT      | ANT1    | 1-DH5      | 79          | 15    | Pass   |
| NVNT      | ANT1    | 1-DH5      | 79          | 15    | Pass   |
| NVNT      | ANT1    | 2-DH5      | 79          | 15    | Pass   |
| NVNT      | ANT1    | 2-DH5      | 79          | 15    | Pass   |
| NVNT      | ANT1    | 2-DH5      | 79          | 15    | Pass   |



## Number\_of\_Hopping\_Channel\_(Hopping)\_NVNT\_ANT1\_1-DH5\_Hopping

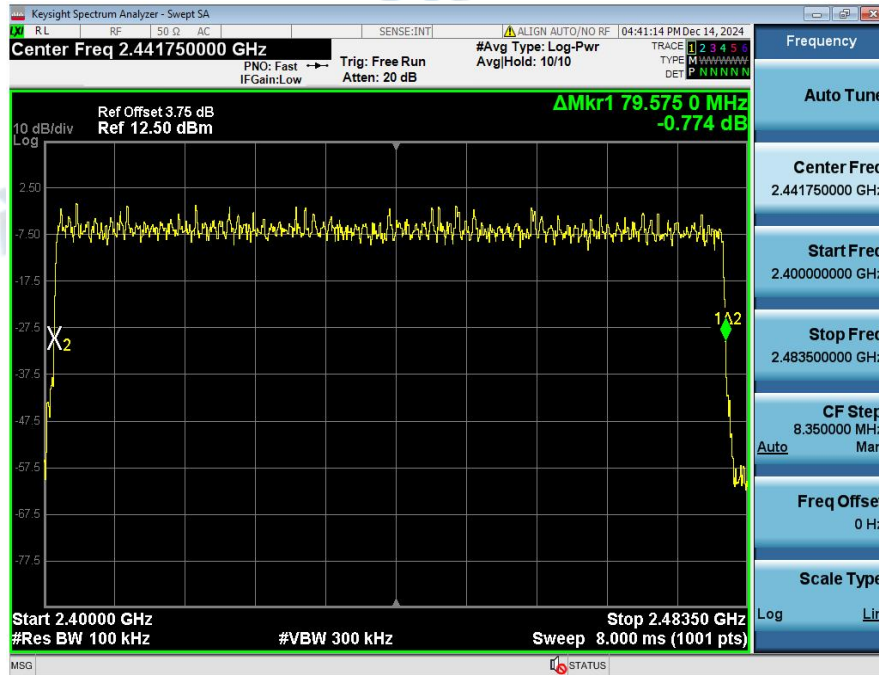


## Number\_of\_Hopping\_Channel\_(Hopping)\_NVNT\_ANT1\_1-DH5\_Hopping

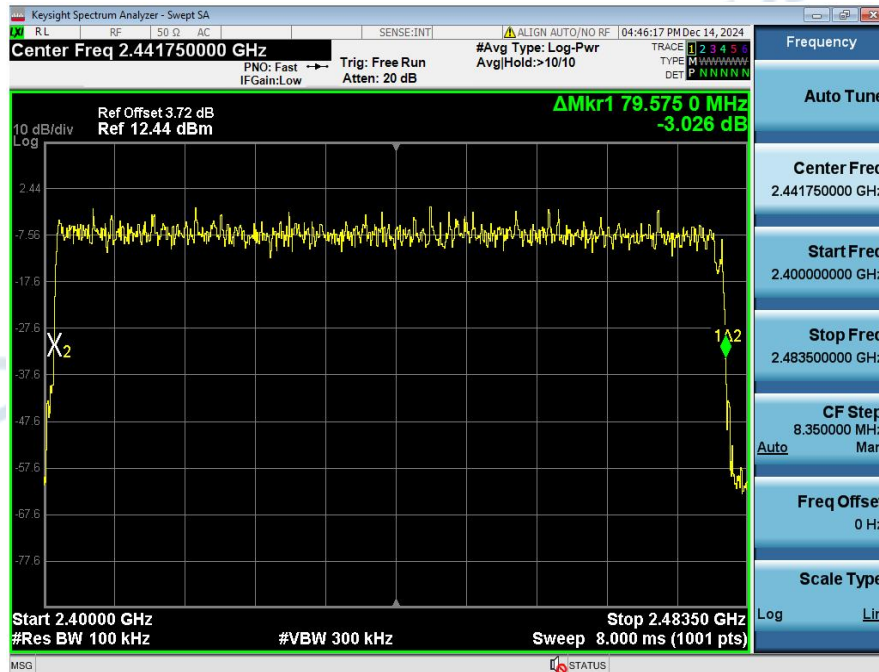




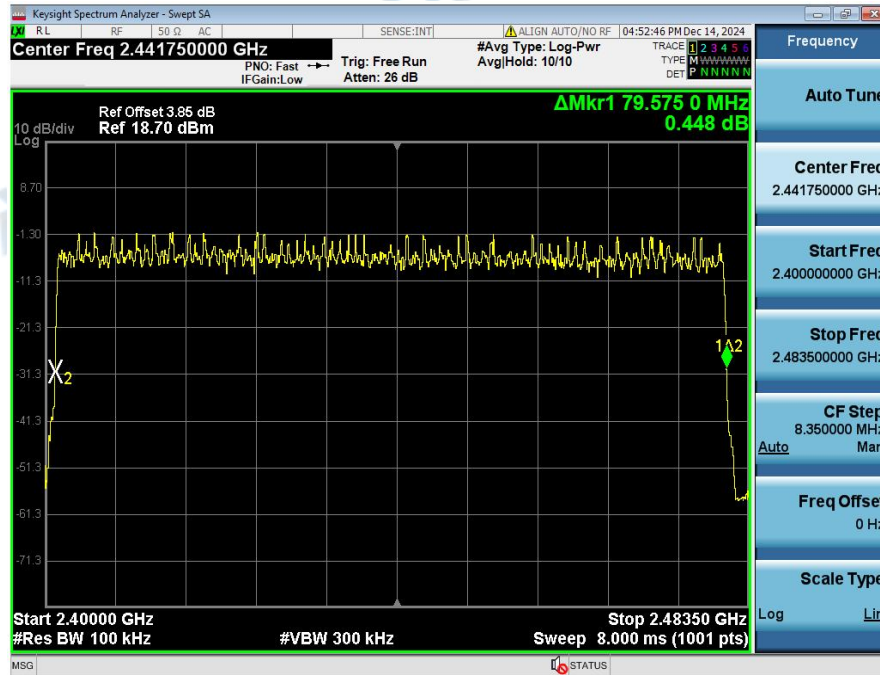
Number\_of\_Hopping\_Channel\_(Hopping)\_NVNT\_ANT1\_2-DH5\_Hopping



Number\_of\_Hopping\_Channel\_(Hopping)\_NVNT\_ANT1\_2-DH5\_Hopping



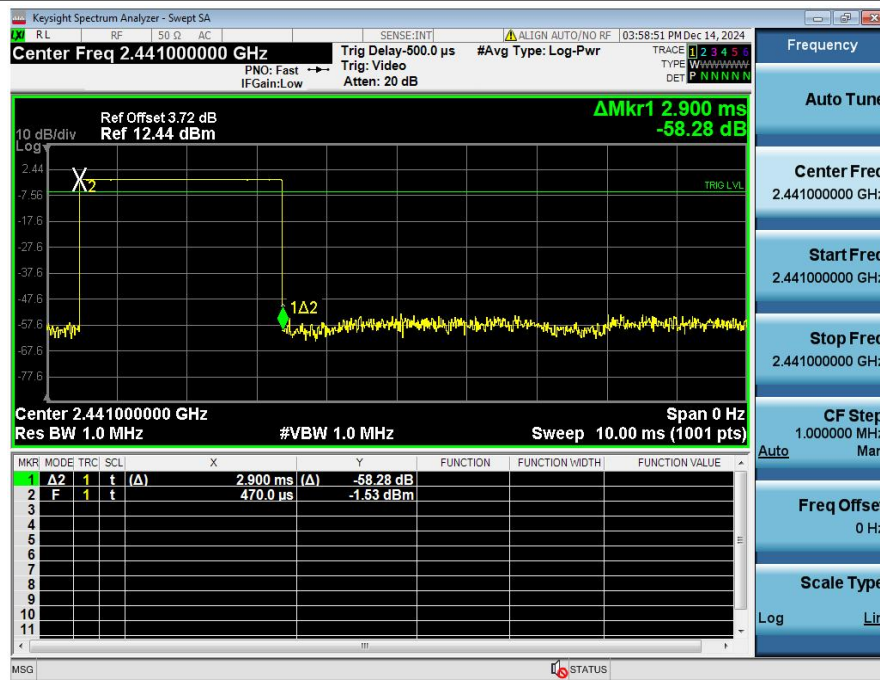
Number\_of\_Hopping\_Channel\_(Hopping)\_NVNT\_ANT1\_2-DH5\_Hopping



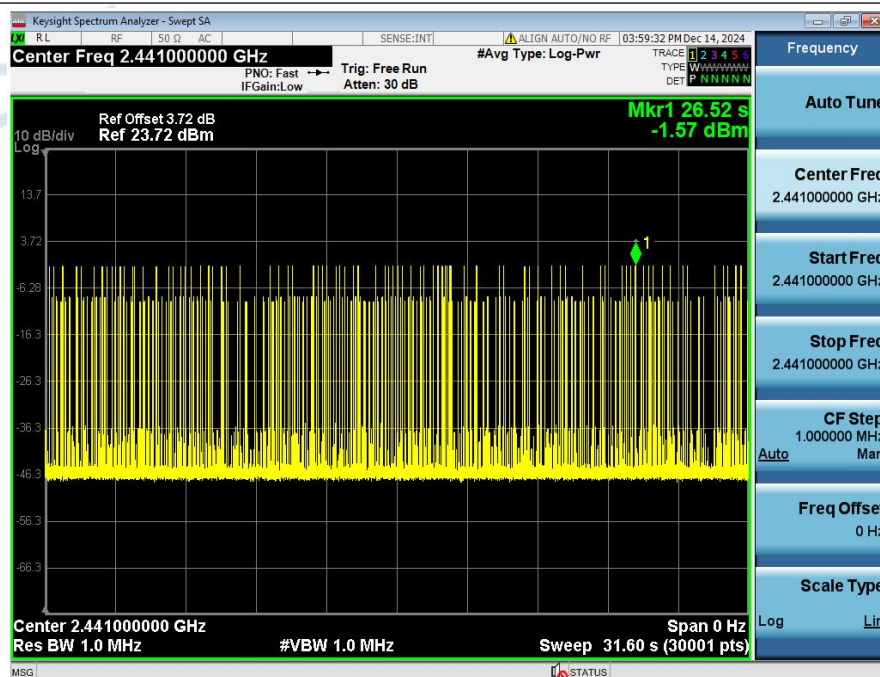
## 9. Dwell Time (Hopping)

| Condition | Antenna | Packet Type | Pulse Time(ms) | Hops   | Dwell Time(ms) | Limit(s) | Result |
|-----------|---------|-------------|----------------|--------|----------------|----------|--------|
| NVNT      | ANT1    | 1-DH5       | 2.900          | 96.00  | 278.400        | 0.40     | Pass   |
| NVNT      | ANT1    | 2-DH5       | 2.900          | 102.00 | 295.800        | 0.40     | Pass   |
| NVNT      | ANT1    | 1-DH1       | 0.390          | 320.00 | 124.800        | 0.40     | Pass   |
| NVNT      | ANT1    | 1-DH3       | 1.650          | 156.00 | 257.400        | 0.40     | Pass   |
| NVNT      | ANT1    | 2-DH1       | 0.400          | 319.00 | 127.600        | 0.40     | Pass   |
| NVNT      | ANT1    | 2-DH3       | 1.660          | 162.00 | 268.920        | 0.40     | Pass   |

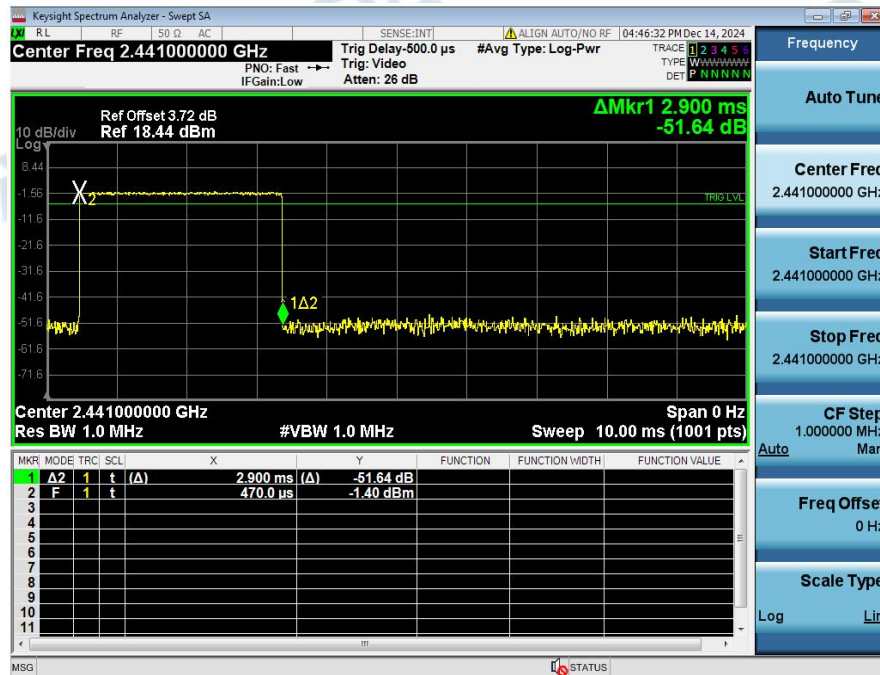
Dwell\_Time\_(Hopping)\_NVNT\_ANT1\_1-DH5\_2441\_00\_One\_Burst\_Time



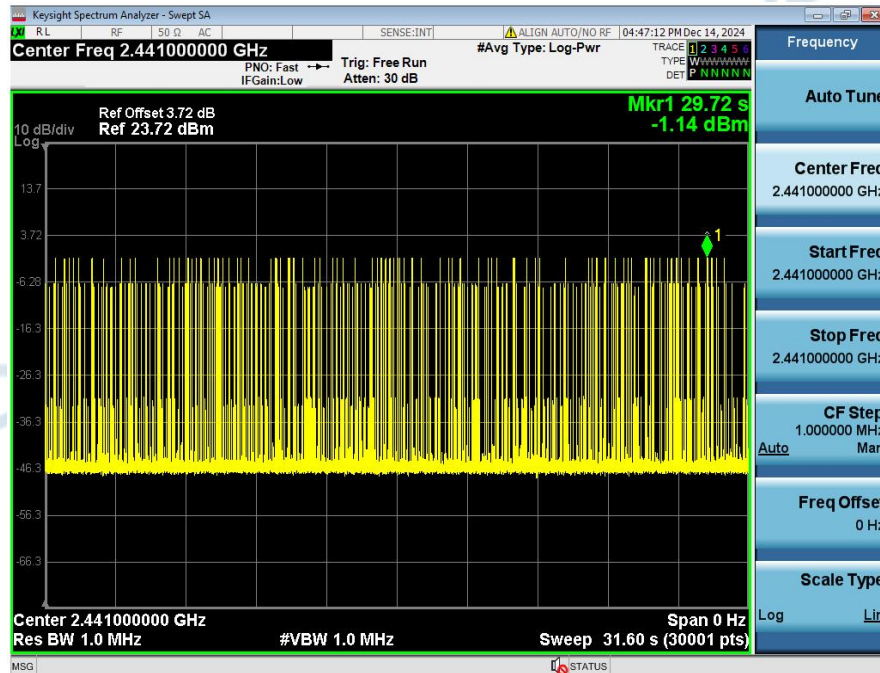
Dwell\_Time\_(Hopping)\_NVNT\_ANT1\_1-DH5\_2441\_00\_Accumulated



## Dwell\_Time\_(Hopping)\_NVNT\_ANT1\_2-DH5\_2441\_00\_One\_Burst\_Time

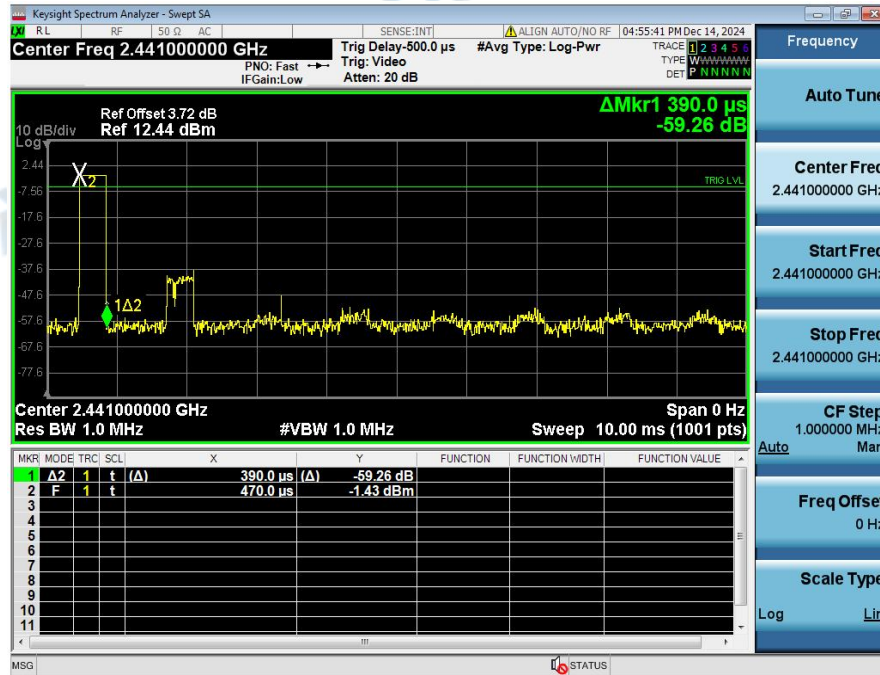


## Dwell\_Time\_(Hopping)\_NVNT\_ANT1\_2-DH5\_2441\_00\_Accumulated

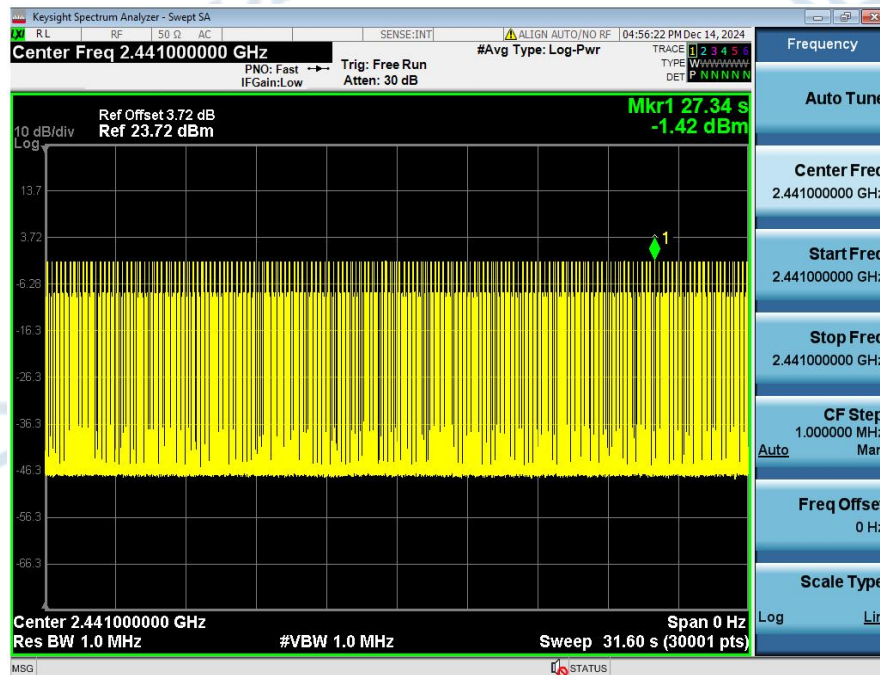




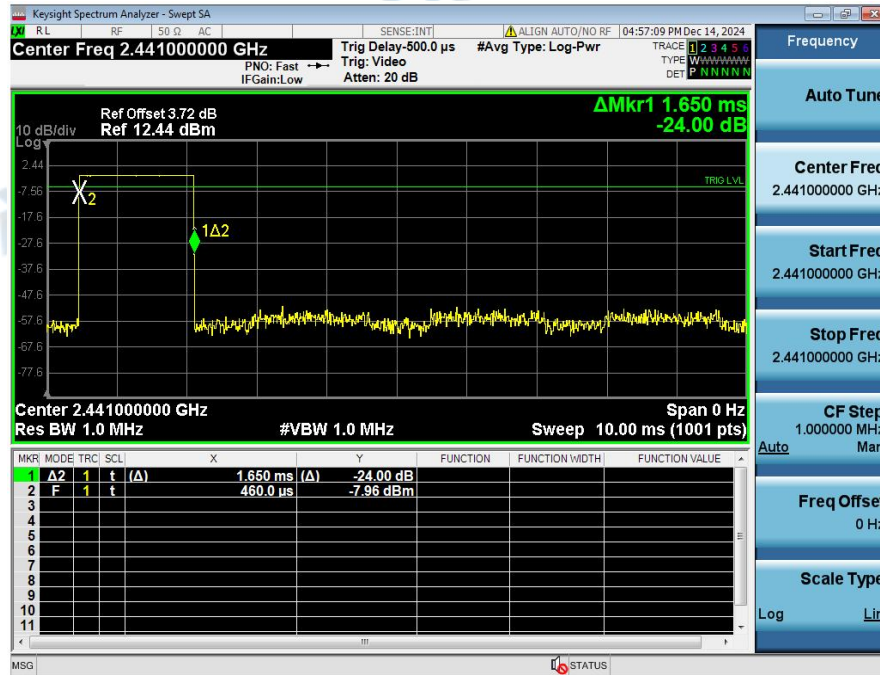
### Dwell\_Time\_(Hopping)\_NVNT\_ANT1\_1-DH1\_2441\_00\_One\_Burst\_Time



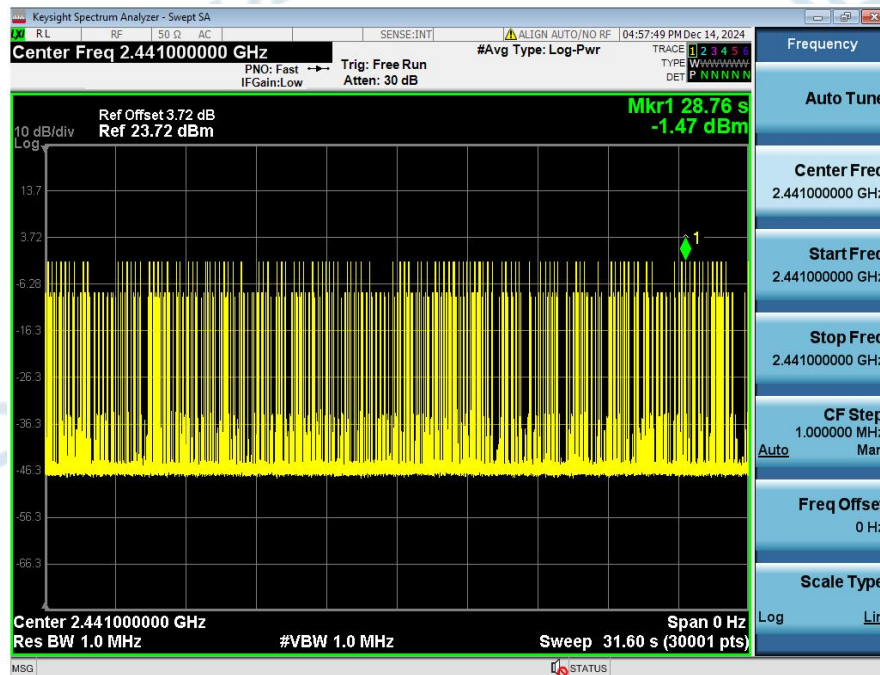
### Dwell\_Time\_(Hopping)\_NVNT\_ANT1\_1-DH1\_2441\_00\_Accumulated



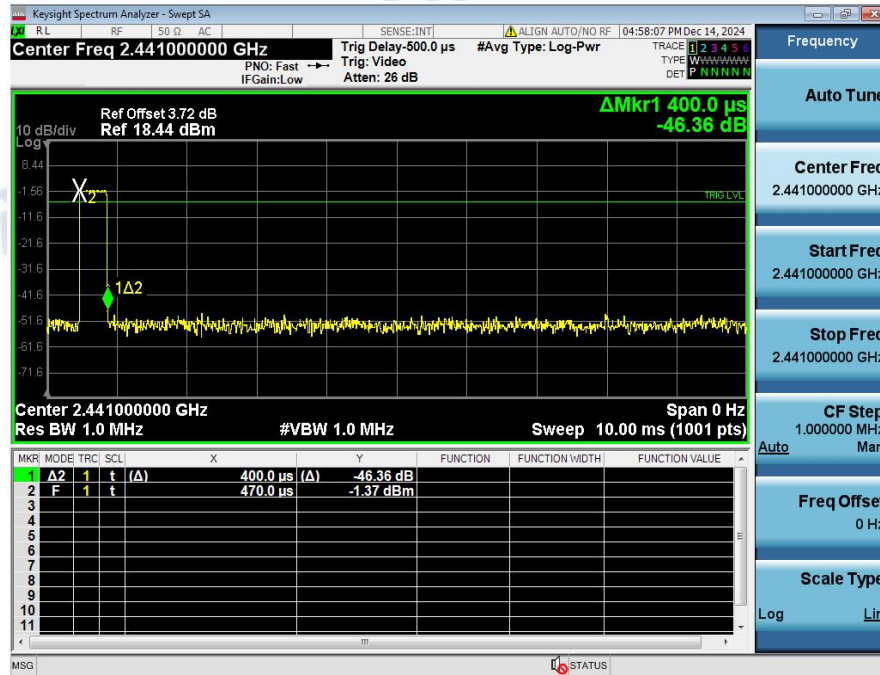
### Dwell\_Time\_(Hopping)\_NVNT\_ANT1\_1-DH3\_2441\_00\_One\_Burst\_Time



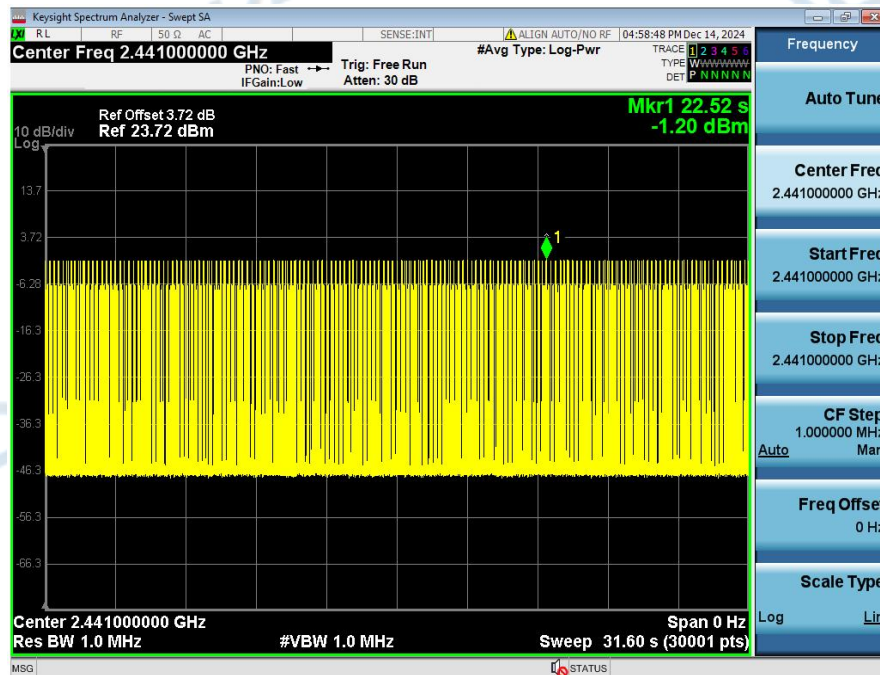
### Dwell\_Time\_(Hopping)\_NVNT\_ANT1\_1-DH3\_2441\_00\_Accumulated



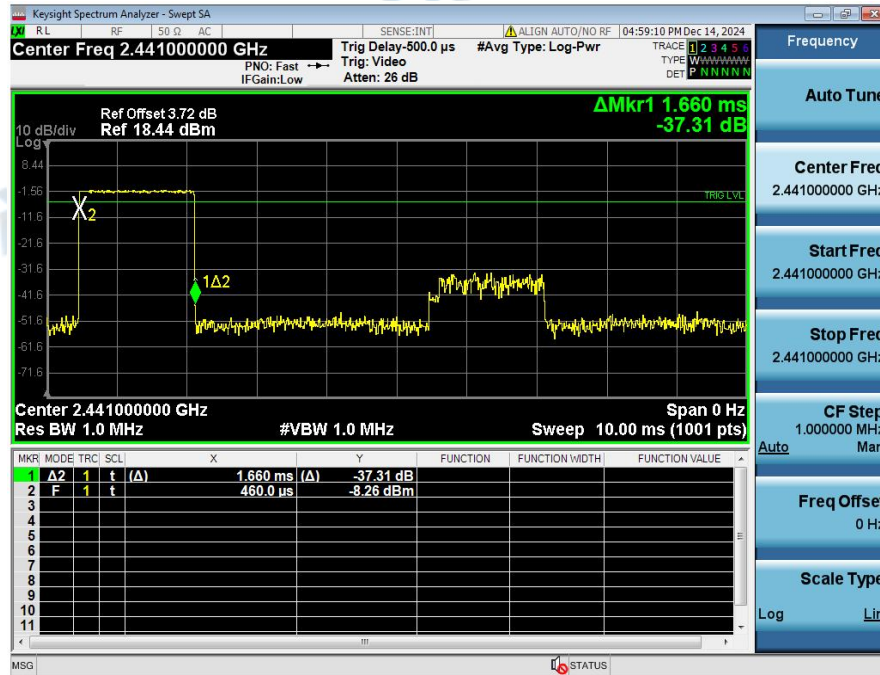
### Dwell\_Time\_(Hopping)\_NVNT\_ANT1\_2-DH1\_2441\_00\_One\_Burst\_Time



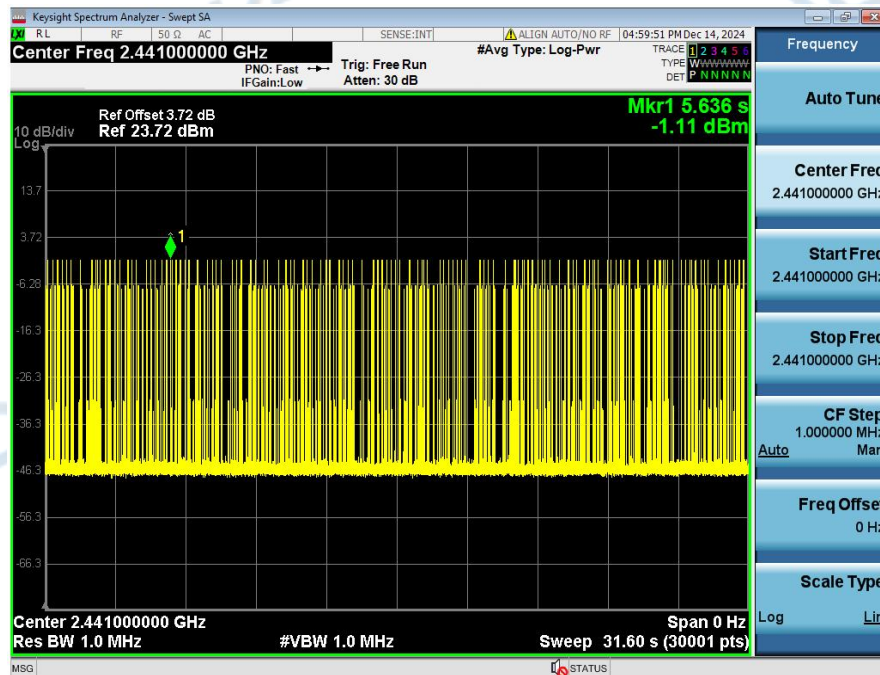
### Dwell\_Time\_(Hopping)\_NVNT\_ANT1\_2-DH1\_2441\_00\_Accumulated



### Dwell\_Time\_(Hopping)\_NVNT\_ANT1\_2-DH3\_2441\_00\_One\_Burst\_Time



### Dwell\_Time\_(Hopping)\_NVNT\_ANT1\_2-DH3\_2441\_00\_Accumulated



\*\*\*\*\* End of Report \*\*\*\*\*