

# ANNEX

## FCC Part 15C Test Report

### FCC ID: 2BBSA-WF105T

Applicant: BMY ELECTRONIC CO LTD.

Address: 4th Floor, Building 2, FuAn Third Industrial Park, FuYong, BaoAn, ShenZhen

Manufacturer: BMY ELECTRONIC CO LTD.

Address: 4th Floor, Building 2, FuAn Third Industrial Park, FuYong, BaoAn, ShenZhen

EUT: Digital photo frame

Trade Mark: N/A

Model Number: WF105T, WF705T, WF705TW, WF805T, WF805TW, WF106T, WF108T, WF109T, WF11T, WF12T, DPF101T, WF1562T

Date of Receipt: Jun. 10, 2023

Test Date: Jun. 10, 2023 – Jun. 17, 2023

Date of Report: Jun. 17, 2023

Prepared By: Shenzhen DL Testing Technology Co., Ltd.

Address: 101-201, Building C, Shuanghuan, No.8, Baoqing Road, Baolong Industrial Zone, Baolong Street, Longgang District, Shenzhen, Guangdong, China

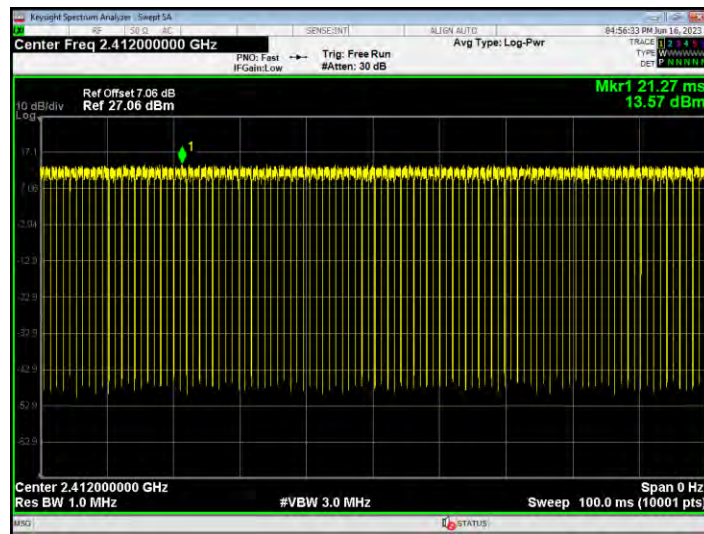
Applicable Standards: FCC PART 15 C 15.247  
ANSI C63.10:2013

Test Result: Pass

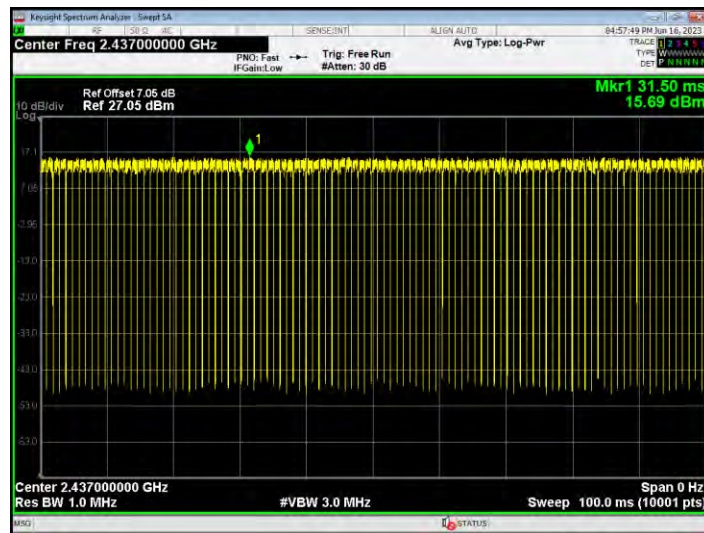
### Duty Cycle

| Condition | Mode | Frequency (MHz) | Antenna | Duty Cycle (%) | Correction Factor (dB) |
|-----------|------|-----------------|---------|----------------|------------------------|
| NVNT      | b    | 2412            | Ant1    | 97.27          | 0.12                   |
| NVNT      | b    | 2437            | Ant1    | 97.3           | 0.12                   |
| NVNT      | b    | 2462            | Ant1    | 97.27          | 0.12                   |
| NVNT      | g    | 2412            | Ant1    | 84.93          | 0.71                   |
| NVNT      | g    | 2437            | Ant1    | 85.21          | 0.7                    |
| NVNT      | g    | 2462            | Ant1    | 85.19          | 0.7                    |
| NVNT      | n20  | 2412            | Ant1    | 97.52          | 0.11                   |
| NVNT      | n20  | 2437            | Ant1    | 97.59          | 0.11                   |
| NVNT      | n20  | 2462            | Ant1    | 97.53          | 0.11                   |
| NVNT      | n40  | 2422            | Ant1    | 95.32          | 0.21                   |
| NVNT      | n40  | 2437            | Ant1    | 95.37          | 0.21                   |
| NVNT      | n40  | 2452            | Ant1    | 95.29          | 0.21                   |

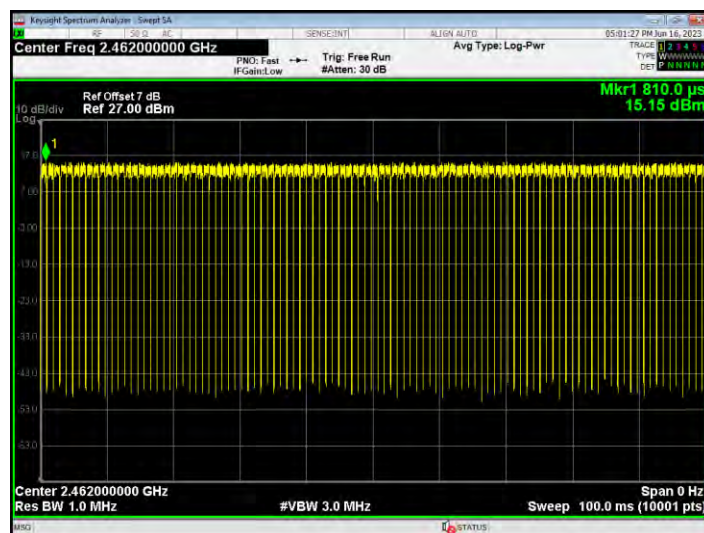
Duty Cycle NVNT b 2412MHz Ant1



Duty Cycle NVNT b 2437MHz Ant1



Duty Cycle NVNT b 2462MHz Ant1



Duty Cycle NVNT g 2412MHz Ant1



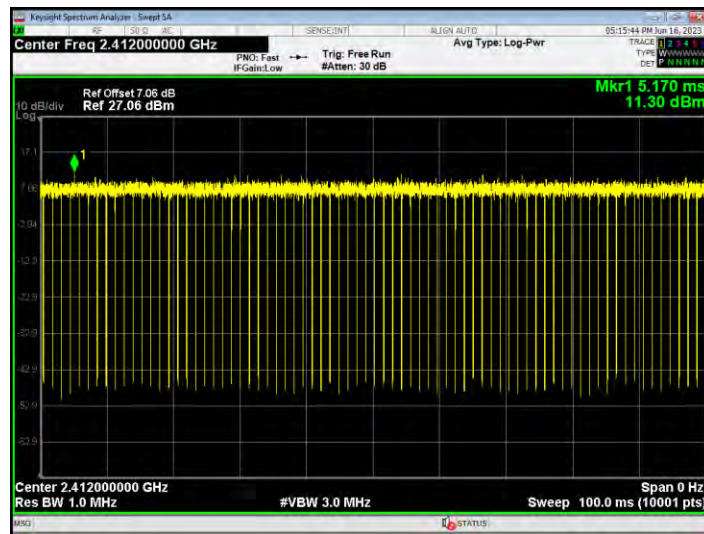
Duty Cycle NVNT g 2437MHz Ant1



Duty Cycle NVNT g 2462MHz Ant1



Duty Cycle NVNT n20 2412MHz Ant1



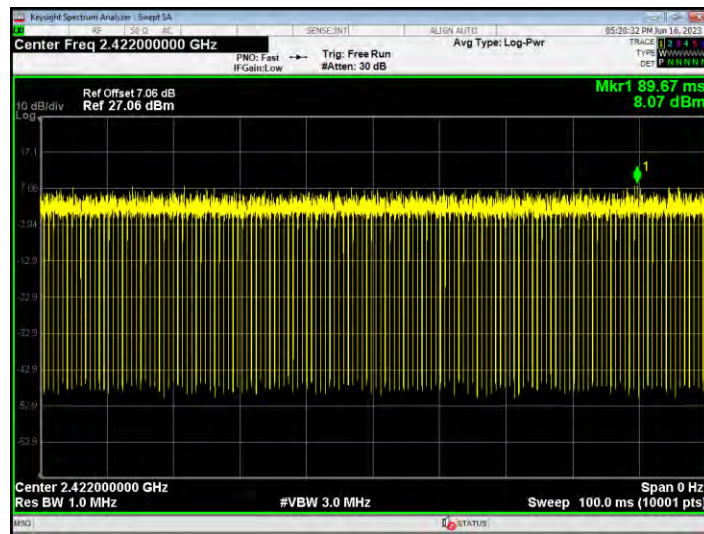
Duty Cycle NVNT n20 2437MHz Ant1



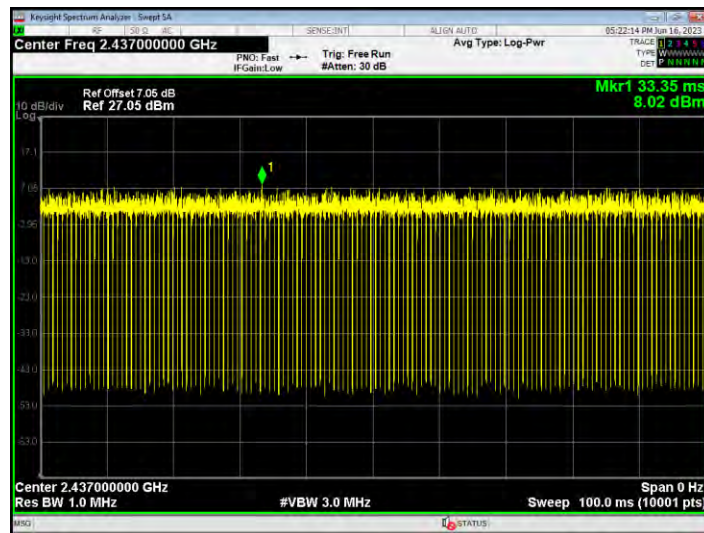
Duty Cycle NVNT n20 2462MHz Ant1



Duty Cycle NVNT n40 2422MHz Ant1



Duty Cycle NVNT n40 2437MHz Ant1



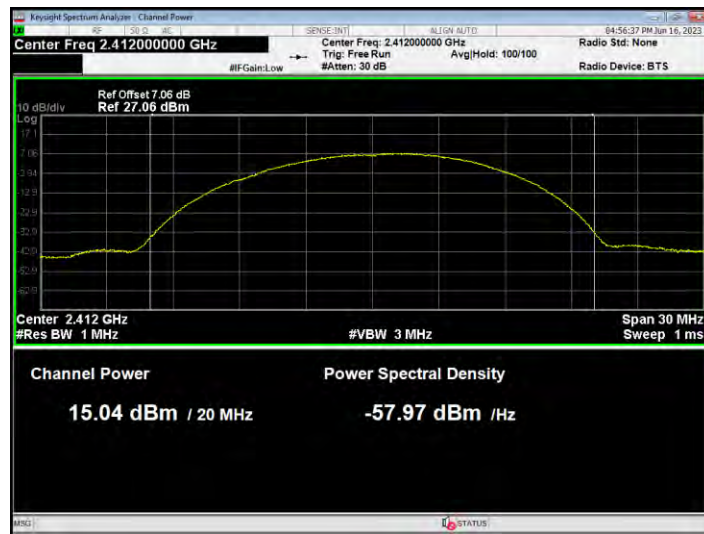
Duty Cycle NVNT n40 2452MHz Ant1



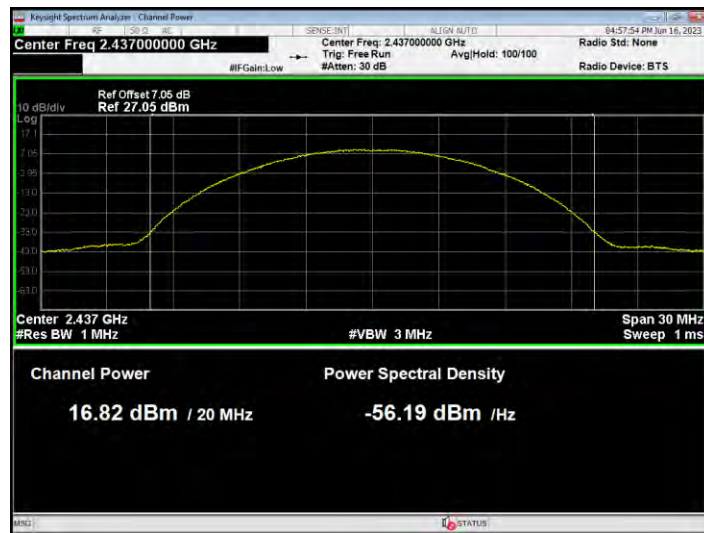
### Maximum Conducted Output Power

| Condition | Mode | Frequency<br>(MHz) | Antenna | Conducted Power<br>(dBm) | Duty Factor<br>(dB) | Total Power<br>(dBm) | Limit<br>(dBm) | Verdict |
|-----------|------|--------------------|---------|--------------------------|---------------------|----------------------|----------------|---------|
| NVNT      | b    | 2412               | Ant1    | 15.038                   | 0.12                | 15.158               | 30             | Pass    |
| NVNT      | b    | 2437               | Ant1    | 16.822                   | 0.12                | 16.942               | 30             | Pass    |
| NVNT      | b    | 2462               | Ant1    | 16.079                   | 0.12                | 16.199               | 30             | Pass    |
| NVNT      | g    | 2412               | Ant1    | 13.29                    | 0.71                | 14.00                | 30             | Pass    |
| NVNT      | g    | 2437               | Ant1    | 13.514                   | 0.7                 | 14.214               | 30             | Pass    |
| NVNT      | g    | 2462               | Ant1    | 12.681                   | 0.7                 | 13.381               | 30             | Pass    |
| NVNT      | n20  | 2412               | Ant1    | 14.28                    | 0.11                | 14.39                | 30             | Pass    |
| NVNT      | n20  | 2437               | Ant1    | 14.541                   | 0.11                | 14.651               | 30             | Pass    |
| NVNT      | n20  | 2462               | Ant1    | 13.651                   | 0.11                | 13.761               | 30             | Pass    |
| NVNT      | n40  | 2422               | Ant1    | 13.895                   | 0.21                | 14.105               | 30             | Pass    |
| NVNT      | n40  | 2437               | Ant1    | 13.989                   | 0.21                | 14.199               | 30             | Pass    |
| NVNT      | n40  | 2452               | Ant1    | 13.221                   | 0.21                | 13.431               | 30             | Pass    |

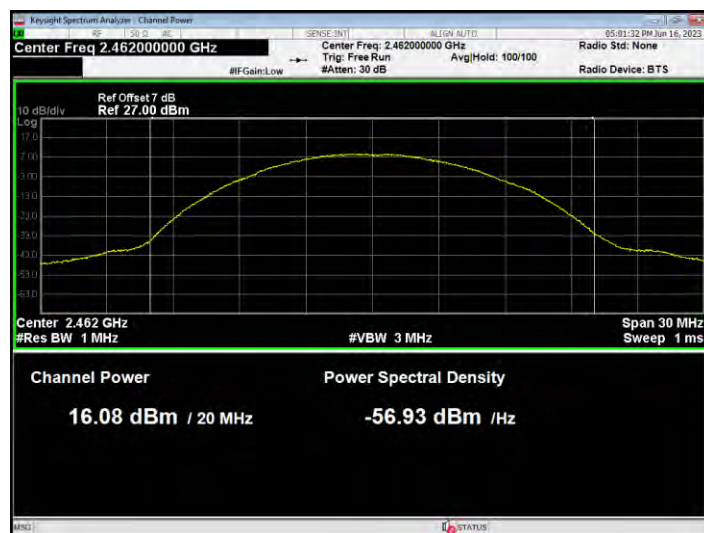
Power NVNT b 2412MHz Ant1



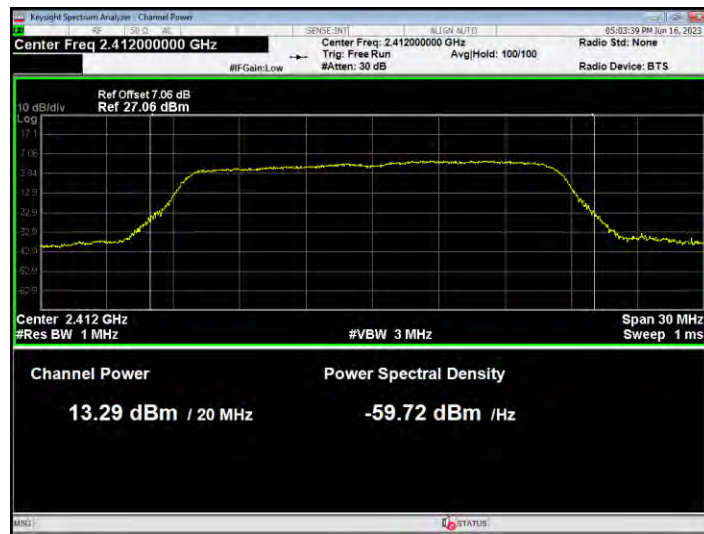
Power NVNT b 2437MHz Ant1



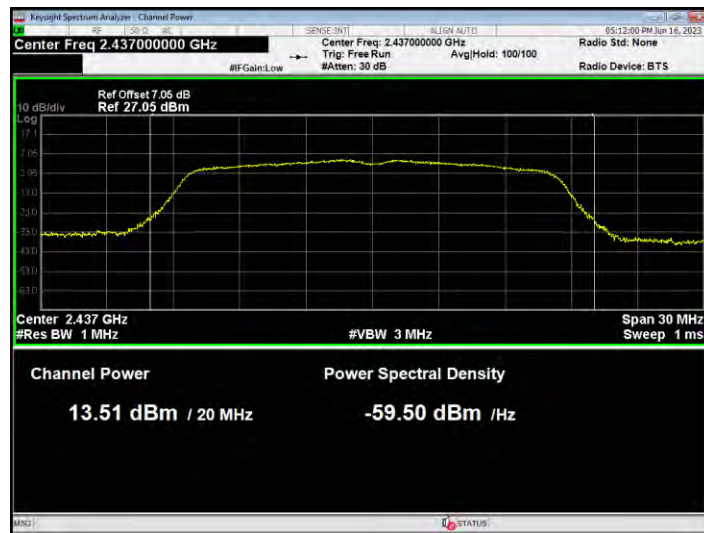
Power NVNT b 2462MHz Ant1



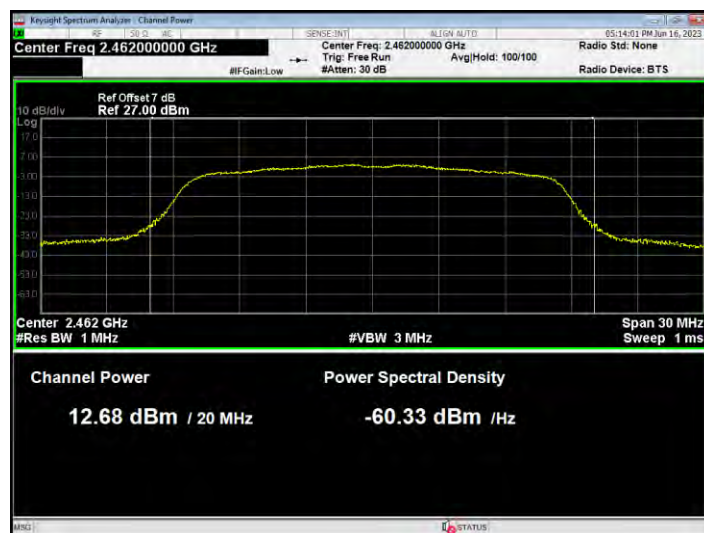
Power NVNT g 2412MHz Ant1



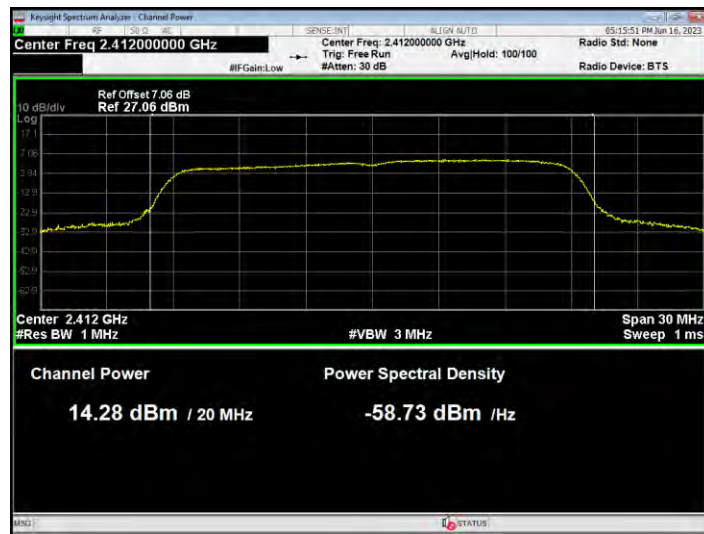
Power NVNT g 2437MHz Ant1



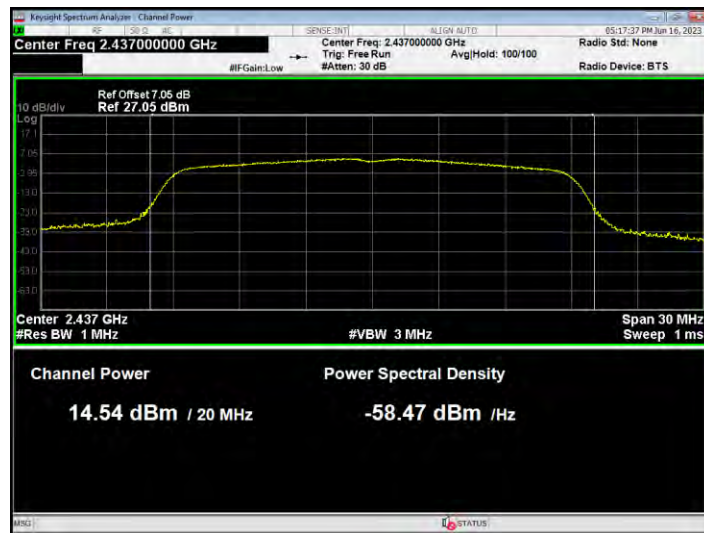
Power NVNT g 2462MHz Ant1



Power NVNT n20 2412MHz Ant1



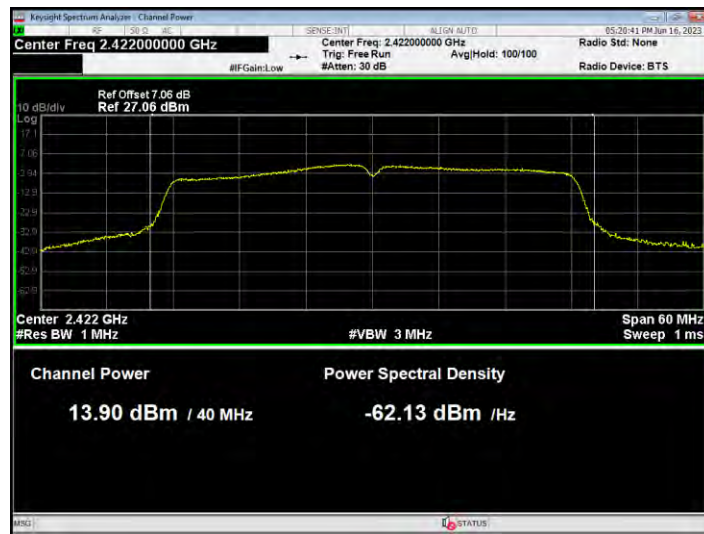
Power NVNT n20 2437MHz Ant1



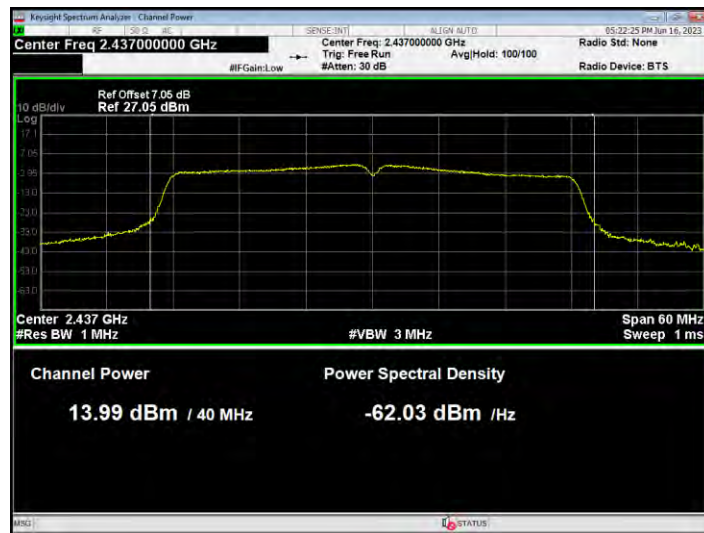
Power NVNT n20 2462MHz Ant1



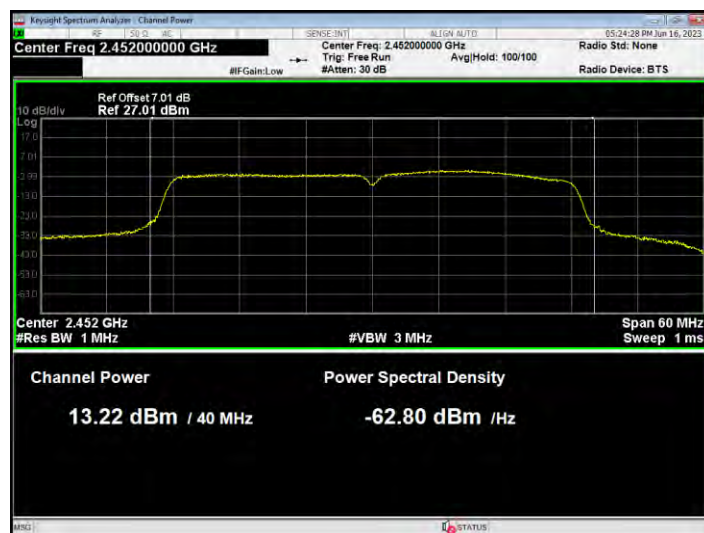
Power NVNT n40 2422MHz Ant1



Power NVNT n40 2437MHz Ant1



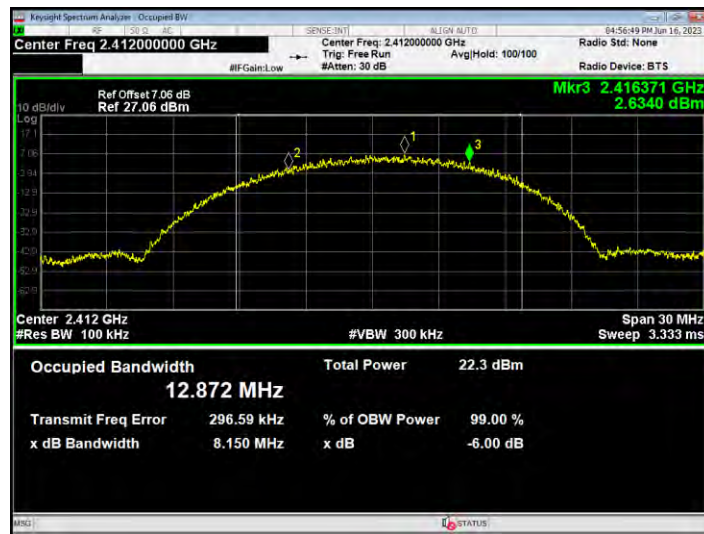
Power NVNT n40 2452MHz Ant1



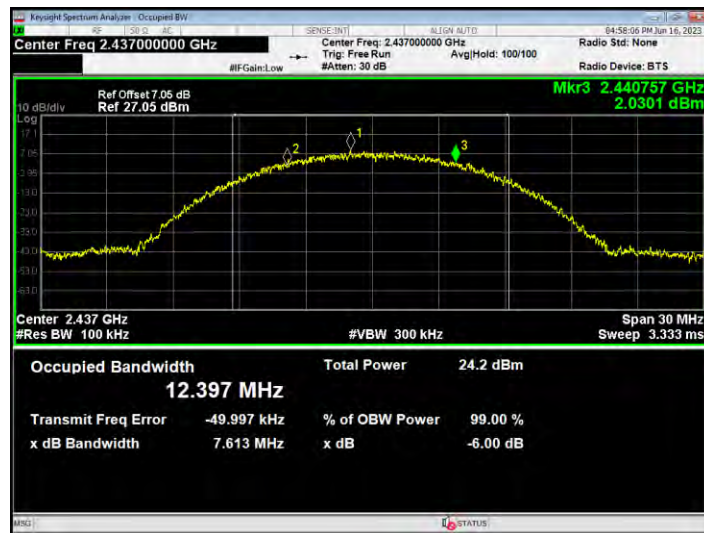
**-6dB Bandwidth**

| Condition | Mode | Frequency (MHz) | Antenna | -6 dB Bandwidth (MHz) | Limit -6 dB Bandwidth (MHz) | Verdict |
|-----------|------|-----------------|---------|-----------------------|-----------------------------|---------|
| NVNT      | b    | 2412            | Ant1    | 8.15                  | 0.5                         | Pass    |
| NVNT      | b    | 2437            | Ant1    | 7.613                 | 0.5                         | Pass    |
| NVNT      | b    | 2462            | Ant1    | 6.08                  | 0.5                         | Pass    |
| NVNT      | g    | 2412            | Ant1    | 15.76                 | 0.5                         | Pass    |
| NVNT      | g    | 2437            | Ant1    | 15.066                | 0.5                         | Pass    |
| NVNT      | g    | 2462            | Ant1    | 15.046                | 0.5                         | Pass    |
| NVNT      | n20  | 2412            | Ant1    | 15.075                | 0.5                         | Pass    |
| NVNT      | n20  | 2437            | Ant1    | 12.619                | 0.5                         | Pass    |
| NVNT      | n20  | 2462            | Ant1    | 15.033                | 0.5                         | Pass    |
| NVNT      | n40  | 2422            | Ant1    | 28.815                | 0.5                         | Pass    |
| NVNT      | n40  | 2437            | Ant1    | 35.006                | 0.5                         | Pass    |
| NVNT      | n40  | 2452            | Ant1    | 35.123                | 0.5                         | Pass    |

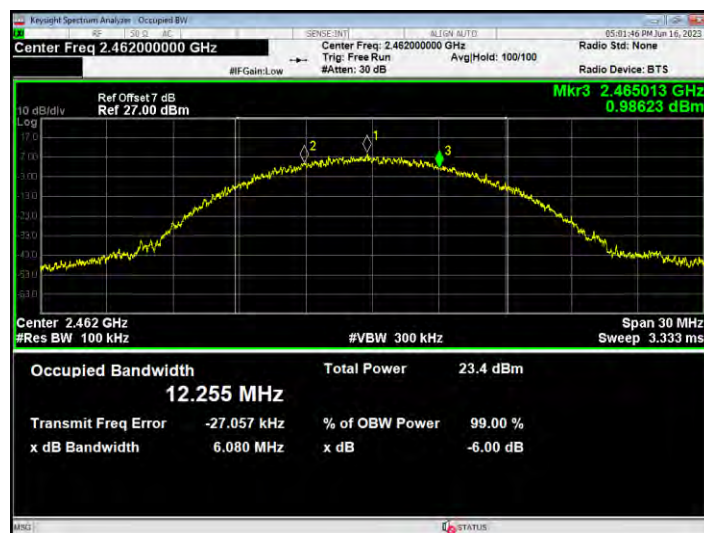
-6dB Bandwidth NVNT b 2412MHz Ant1



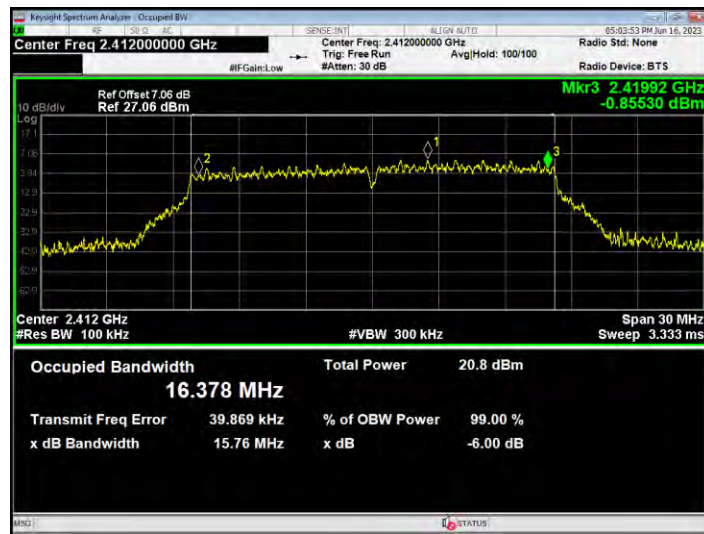
-6dB Bandwidth NVNT b 2437MHz Ant1



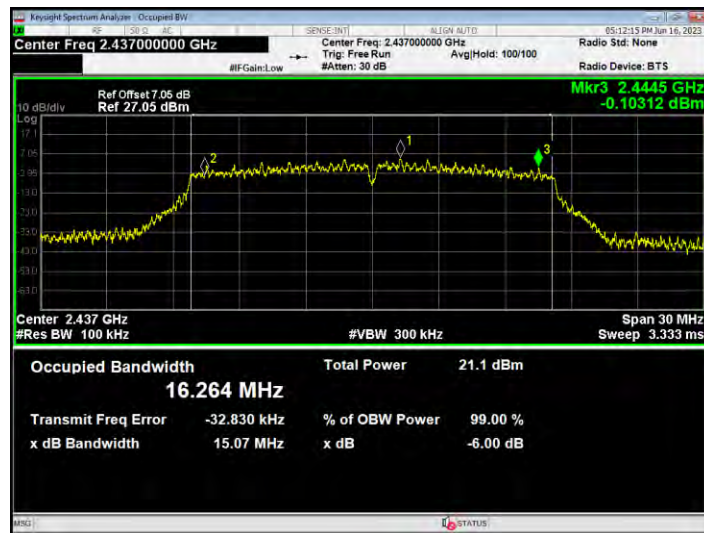
-6dB Bandwidth NVNT b 2462MHz Ant1



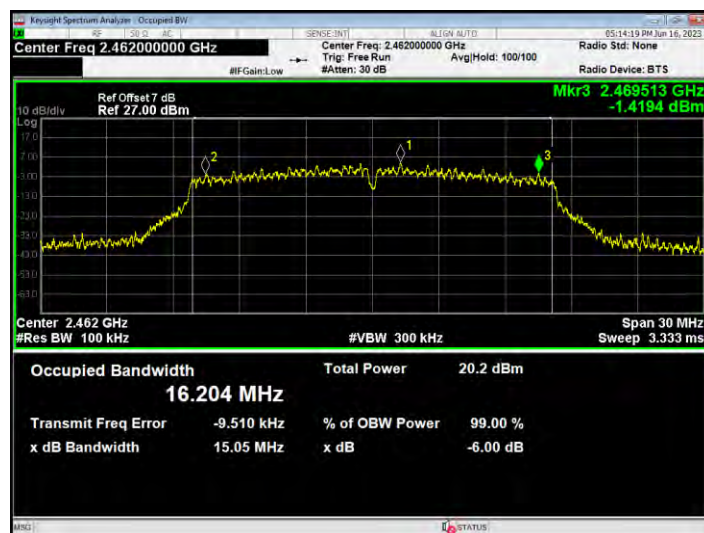
-6dB Bandwidth NVNT g 2412MHz Ant1



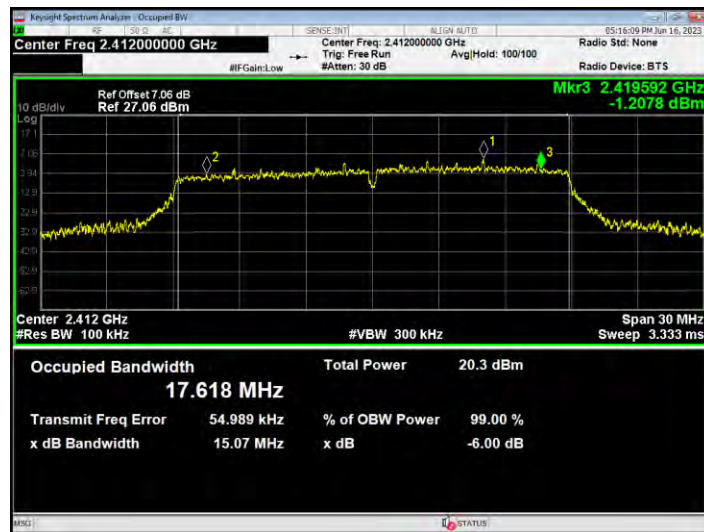
-6dB Bandwidth NVNT g 2437MHz Ant1



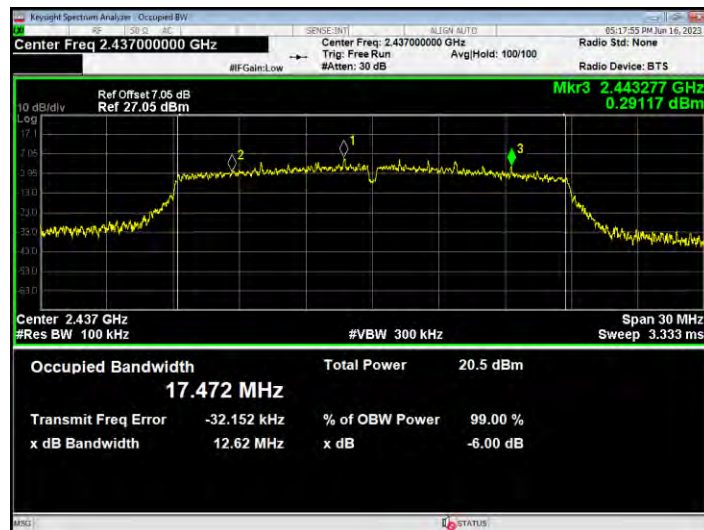
-6dB Bandwidth NVNT g 2462MHz Ant1



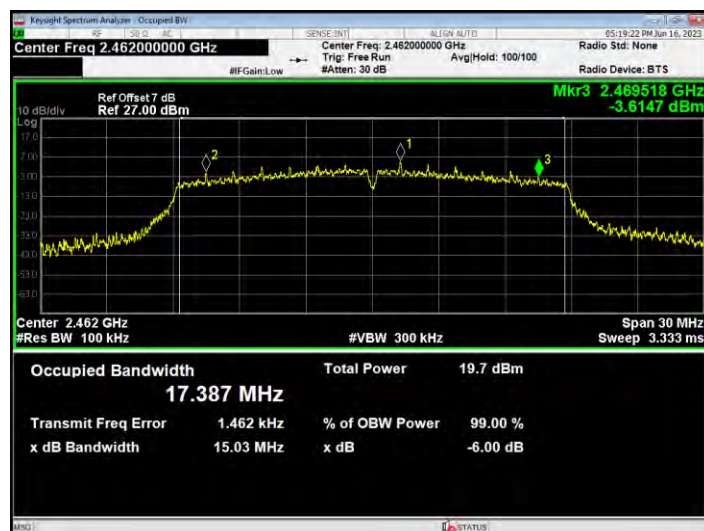
-6dB Bandwidth NVNT n20 2412MHz Ant1



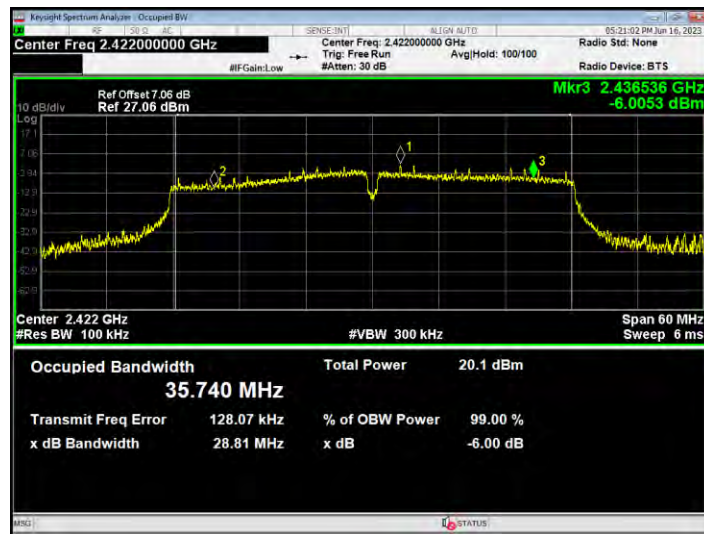
-6dB Bandwidth NVNT n20 2437MHz Ant1



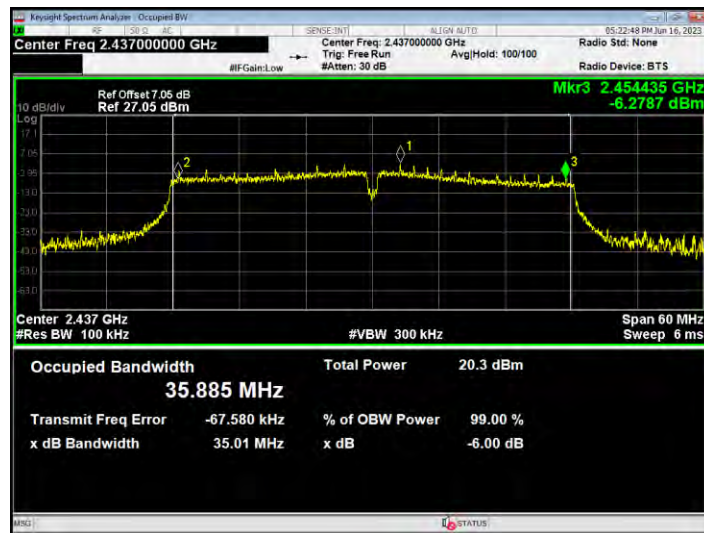
-6dB Bandwidth NVNT n20 2462MHz Ant1



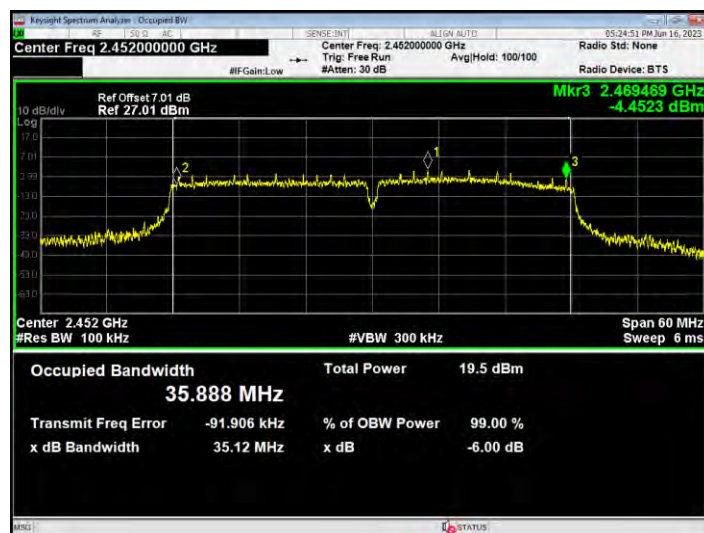
-6dB Bandwidth NVNT n40 2422MHz Ant1



-6dB Bandwidth NVNT n40 2437MHz Ant1



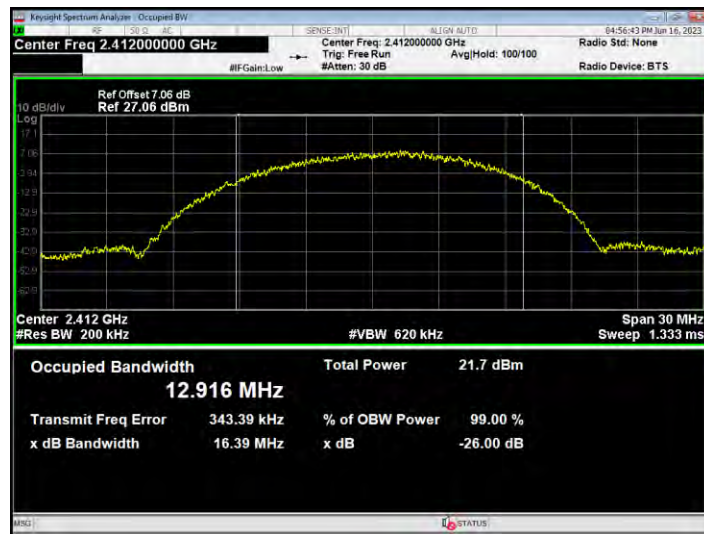
-6dB Bandwidth NVNT n40 2452MHz Ant1



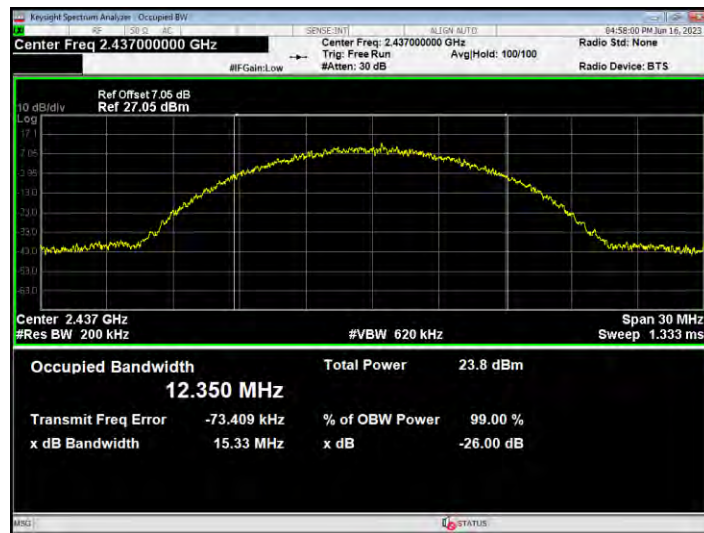
### Occupied Channel Bandwidth

| Condition | Mode | Frequency (MHz) | Antenna | 99% OBW (MHz) |
|-----------|------|-----------------|---------|---------------|
| NVNT      | b    | 2412            | Ant1    | 12.91646347   |
| NVNT      | b    | 2437            | Ant1    | 12.35005639   |
| NVNT      | b    | 2462            | Ant1    | 12.22282779   |
| NVNT      | g    | 2412            | Ant1    | 16.45856978   |
| NVNT      | g    | 2437            | Ant1    | 16.32633909   |
| NVNT      | g    | 2462            | Ant1    | 16.22429199   |
| NVNT      | n20  | 2412            | Ant1    | 17.65457532   |
| NVNT      | n20  | 2437            | Ant1    | 17.45461851   |
| NVNT      | n20  | 2462            | Ant1    | 17.37463498   |
| NVNT      | n40  | 2422            | Ant1    | 35.83294848   |
| NVNT      | n40  | 2437            | Ant1    | 36.09920402   |
| NVNT      | n40  | 2452            | Ant1    | 35.99094429   |

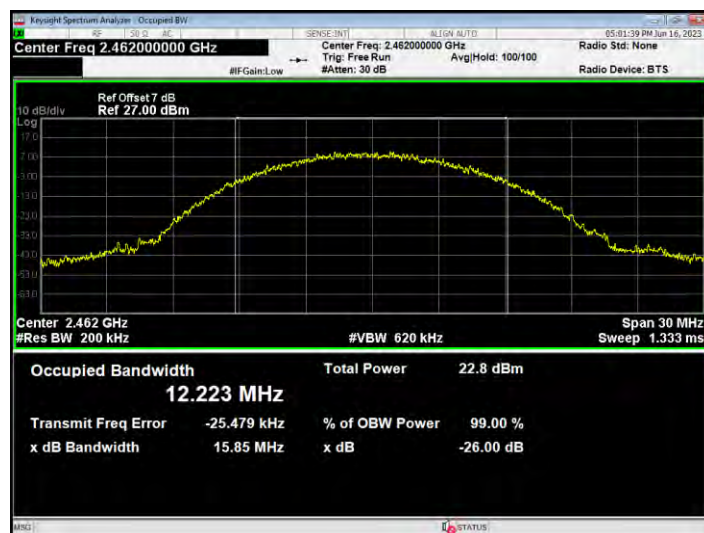
OBW NVNT b 2412MHz Ant1



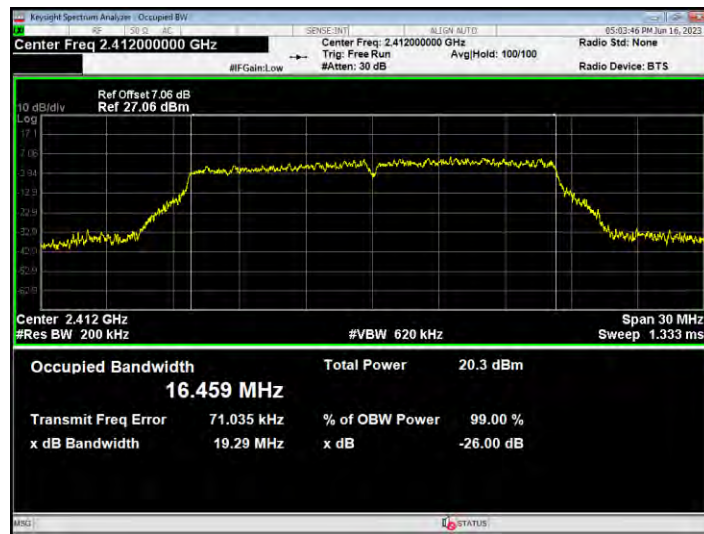
OBW NVNT b 2437MHz Ant1



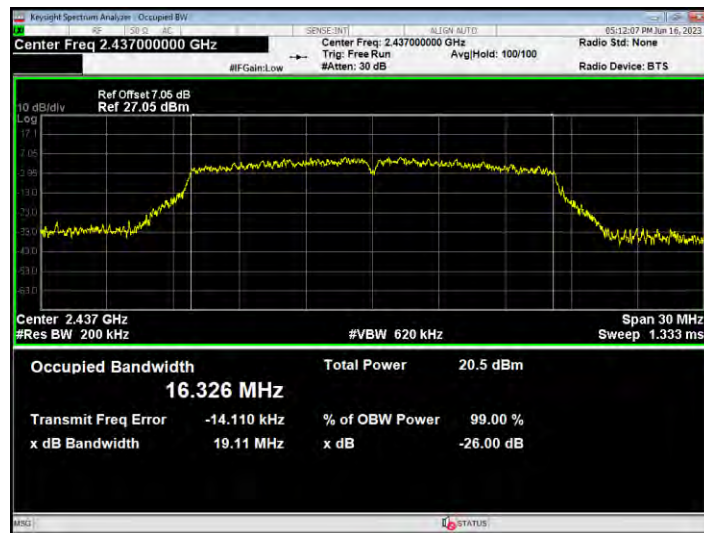
OBW NVNT b 2462MHz Ant1



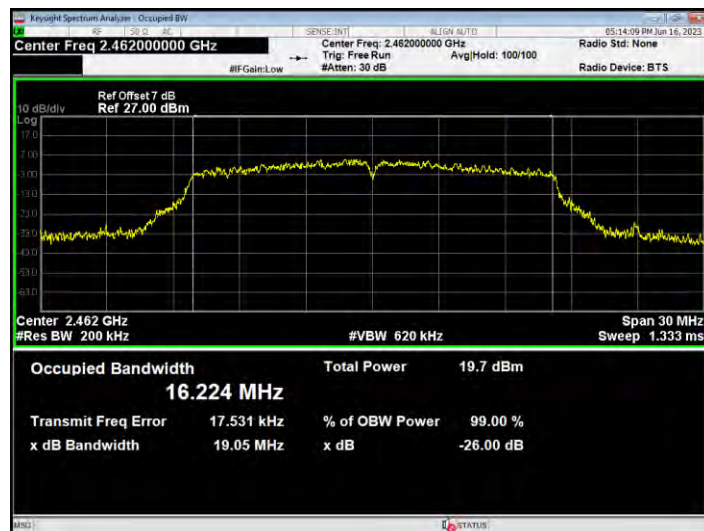
# OBW NVNT g 2412MHz Ant1



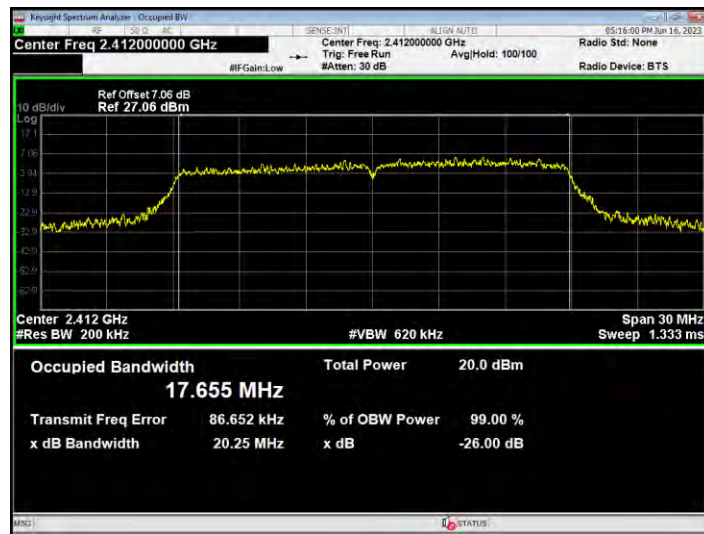
# OBW NVNT g 2437MHz Ant1



# OBW NVNT g 2462MHz Ant1



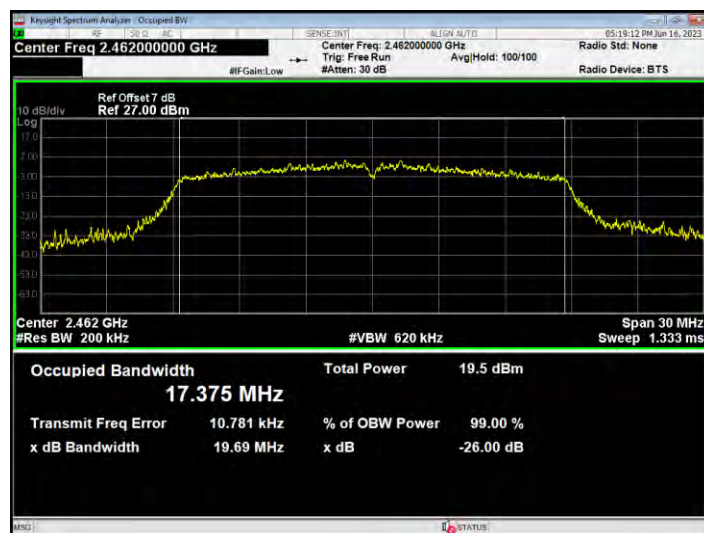
OBW NVNT n20 2412MHz Ant1



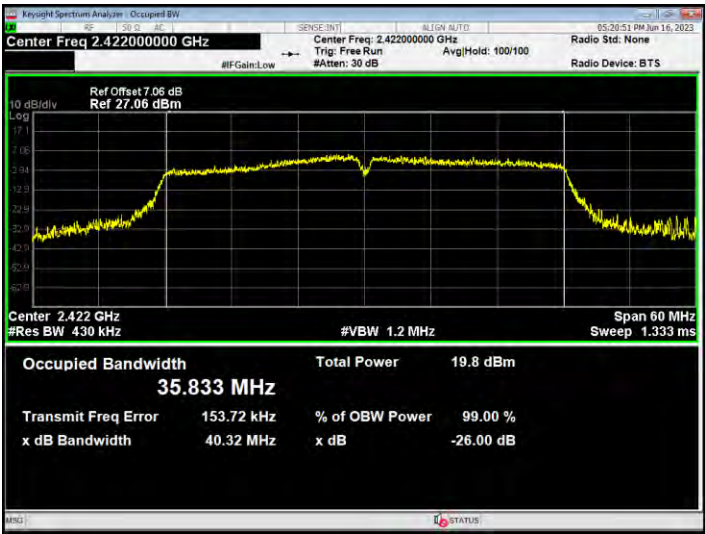
OBW NVNT n20 2437MHz Ant1



OBW NVNT n20 2462MHz Ant1



OBW NVNT n40 2422MHz Ant1



OBW NVNT n40 2437MHz Ant1



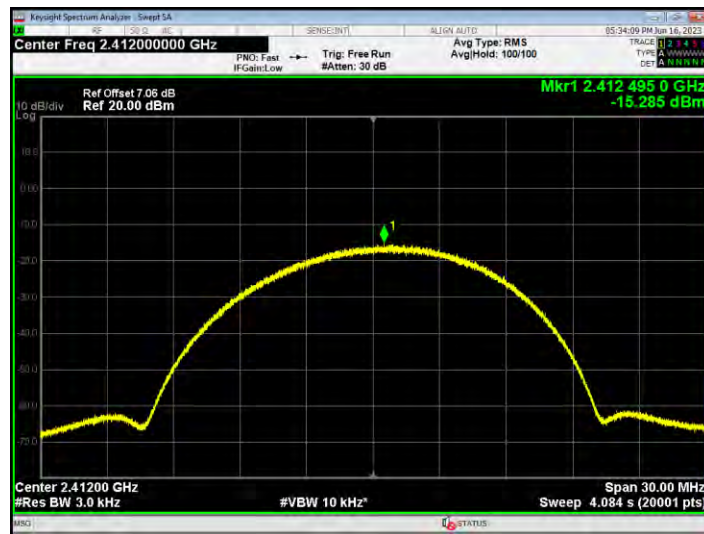
OBW NVNT n40 2452MHz Ant1



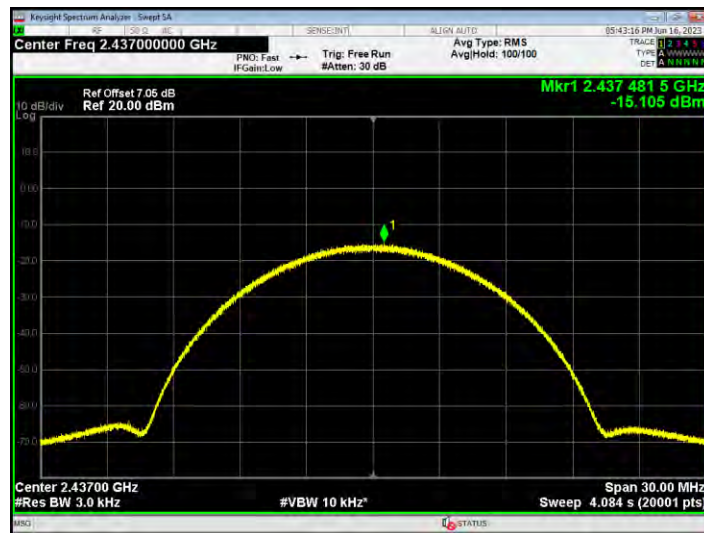
**Maximum Power Spectral Density Level**

| Condition | Mode | Frequency (MHz) | Antenna | Max PSD (dBm) | Limit (dBm) | Verdict |
|-----------|------|-----------------|---------|---------------|-------------|---------|
| NVNT      | b    | 2412            | Ant1    | -15.285       | 8           | Pass    |
| NVNT      | b    | 2437            | Ant1    | -15.105       | 8           | Pass    |
| NVNT      | b    | 2462            | Ant1    | -15.641       | 8           | Pass    |
| NVNT      | g    | 2412            | Ant1    | -19.177       | 8           | Pass    |
| NVNT      | g    | 2437            | Ant1    | -18.687       | 8           | Pass    |
| NVNT      | g    | 2462            | Ant1    | -19.547       | 8           | Pass    |
| NVNT      | n20  | 2412            | Ant1    | -19.543       | 8           | Pass    |
| NVNT      | n20  | 2437            | Ant1    | -18.848       | 8           | Pass    |
| NVNT      | n20  | 2462            | Ant1    | -19.175       | 8           | Pass    |
| NVNT      | n40  | 2422            | Ant1    | -20.178       | 8           | Pass    |
| NVNT      | n40  | 2437            | Ant1    | -19.958       | 8           | Pass    |
| NVNT      | n40  | 2452            | Ant1    | -21.192       | 8           | Pass    |

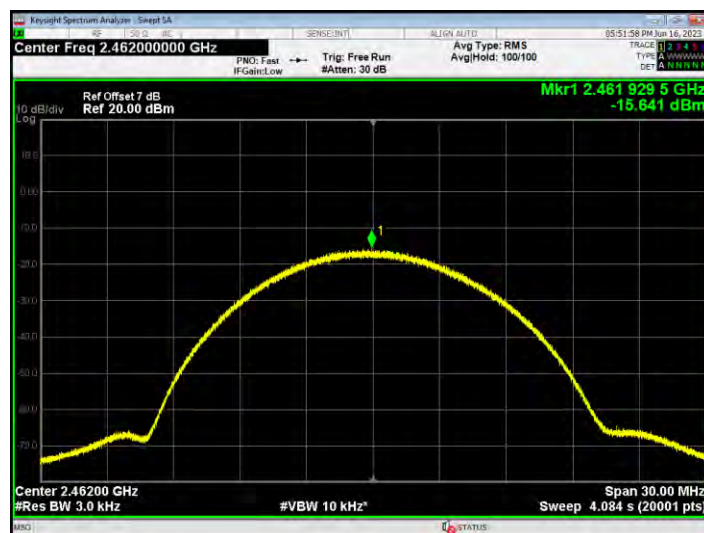
PSD NVNT b 2412MHz Ant1



PSD NVNT b 2437MHz Ant1



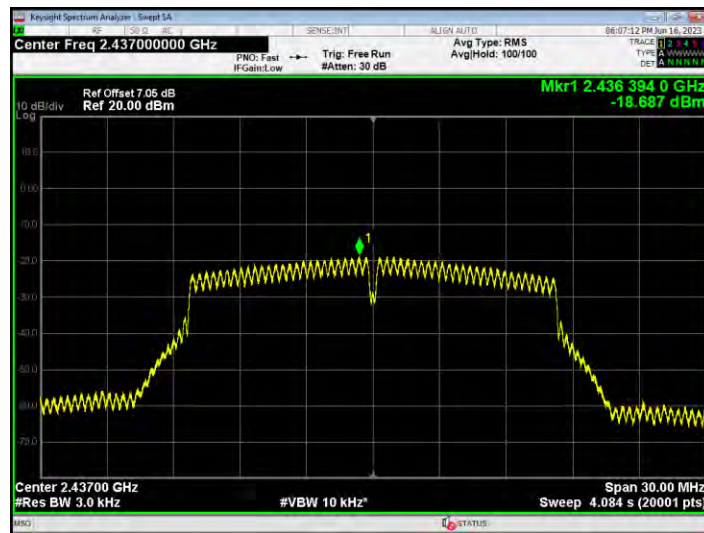
PSD NVNT b 2462MHz Ant1



PSD NVNT g 2412MHz Ant1



PSD NVNT g 2437MHz Ant1



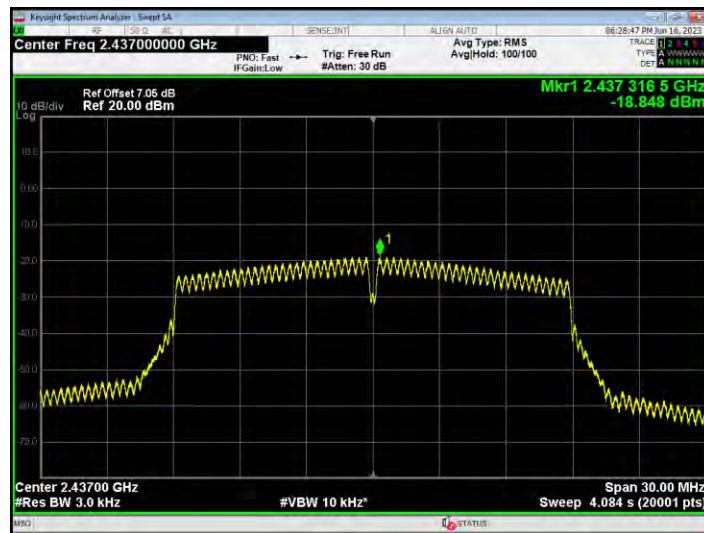
PSD NVNT g 2462MHz Ant1



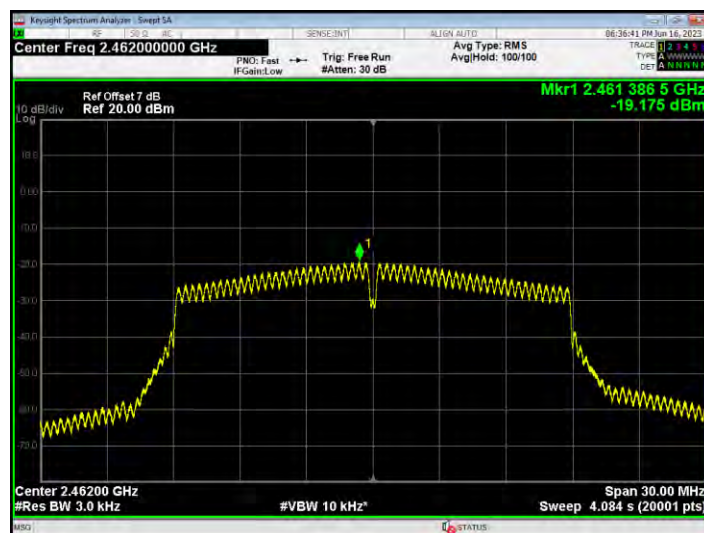
PSD NVNT n20 2412MHz Ant1



PSD NVNT n20 2437MHz Ant1



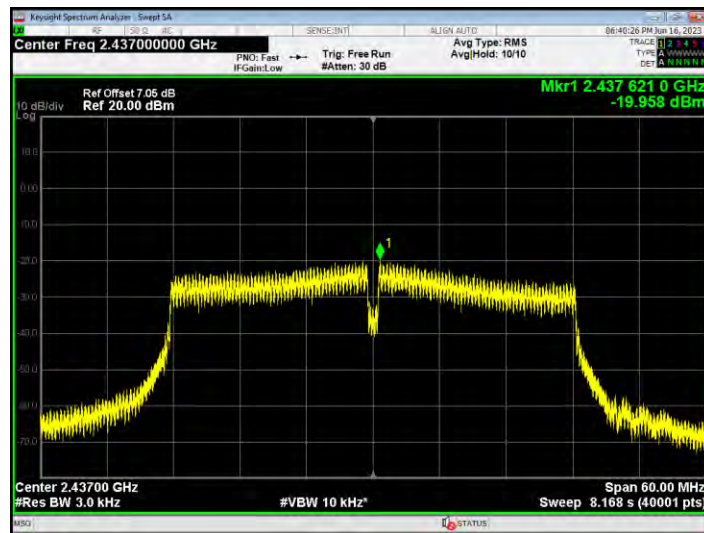
PSD NVNT n20 2462MHz Ant1



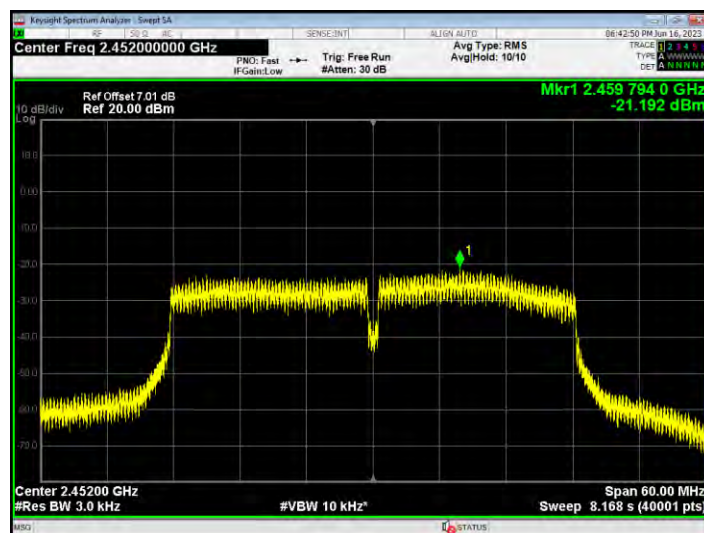
PSD NVNT n40 2422MHz Ant1



PSD NVNT n40 2437MHz Ant1



PSD NVNT n40 2452MHz Ant1



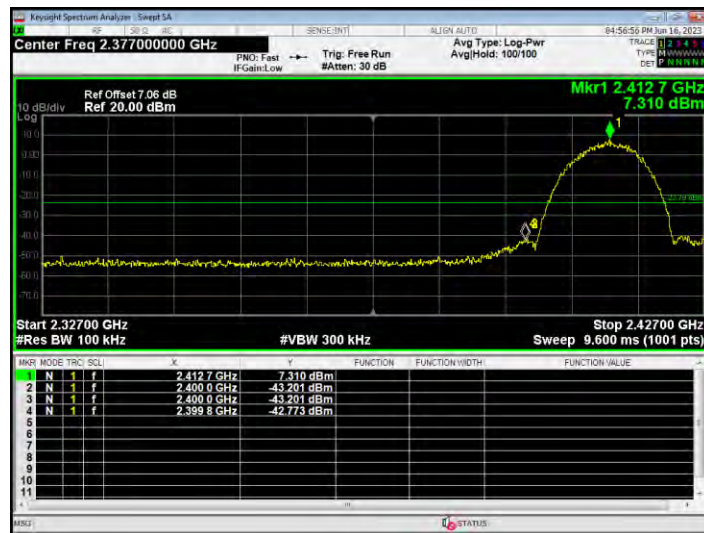
**Band Edge**

| Condition | Mode | Frequency (MHz) | Antenna | Max Value (dBc) | Limit (dBc) | Verdict |
|-----------|------|-----------------|---------|-----------------|-------------|---------|
| NVNT      | b    | 2412            | Ant1    | -48.99          | -30         | Pass    |
| NVNT      | b    | 2462            | Ant1    | -58.6           | -30         | Pass    |
| NVNT      | g    | 2412            | Ant1    | -39.69          | -30         | Pass    |
| NVNT      | g    | 2462            | Ant1    | -53.6           | -30         | Pass    |
| NVNT      | n20  | 2412            | Ant1    | -32.24          | -30         | Pass    |
| NVNT      | n20  | 2462            | Ant1    | -54.75          | -30         | Pass    |
| NVNT      | n40  | 2422            | Ant1    | -34.27          | -30         | Pass    |
| NVNT      | n40  | 2452            | Ant1    | -45.3           | -30         | Pass    |

Band Edge NVNT b 2412MHz Ant1 Ref



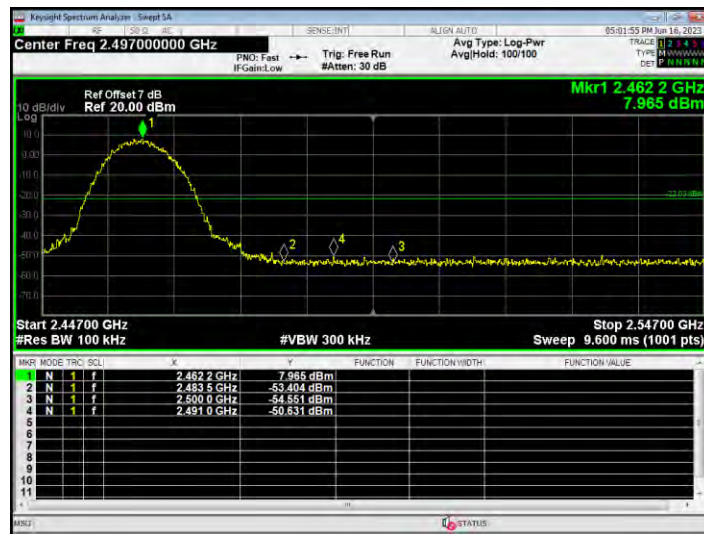
Band Edge NVNT b 2412MHz Ant1 Emission



Band Edge NVNT b 2462MHz Ant1 Ref



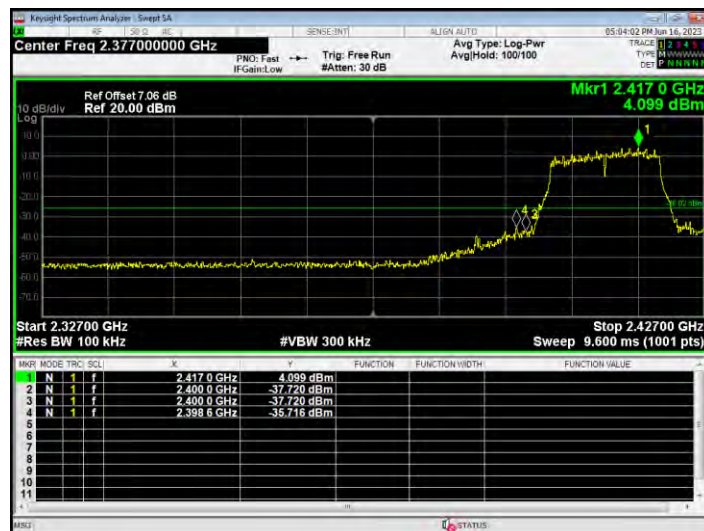
# Band Edge NVNT b 2462MHz Ant1 Emission



# Band Edge NVNT g 2412MHz Ant1 Ref



# Band Edge NVNT g 2412MHz Ant1 Emission



Band Edge NVNT g 2462MHz Ant1 Ref



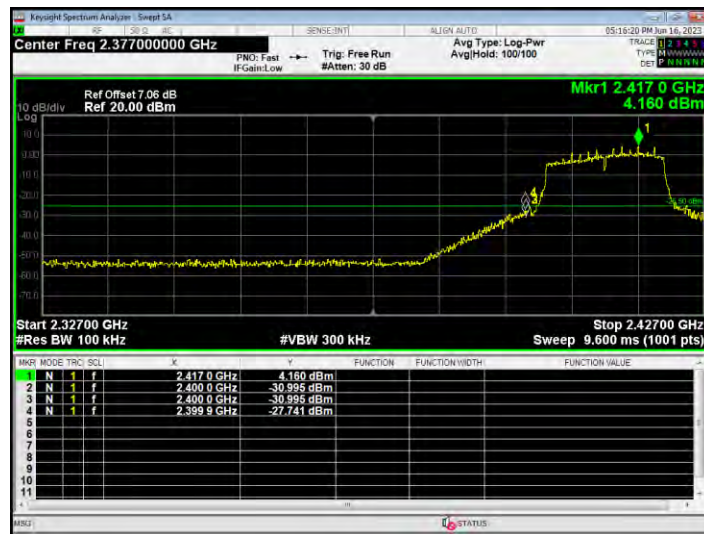
Band Edge NVNT g 2462MHz Ant1 Emission



Band Edge NVNT n20 2412MHz Ant1 Ref



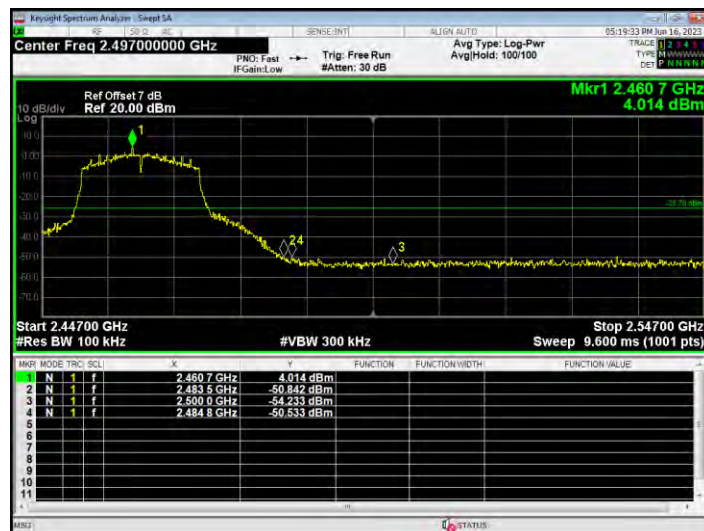
# Band Edge NVNT n20 2412MHz Ant1 Emission



# Band Edge NVNT n20 2462MHz Ant1 Ref



# Band Edge NVNT n20 2462MHz Ant1 Emission



Band Edge NVNT n40 2422MHz Ant1 Ref



Band Edge NVNT n40 2422MHz Ant1 Emission



Band Edge NVNT n40 2452MHz Ant1 Ref



# Band Edge NVNT n40 2452MHz Ant1 Emission



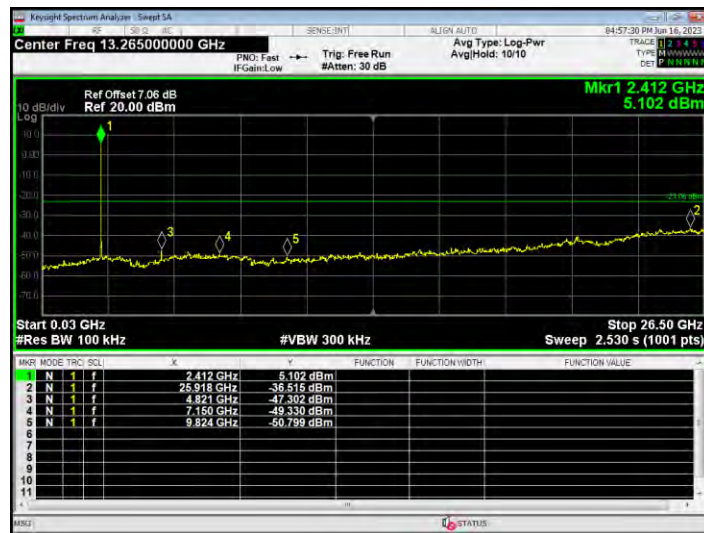
### Conducted RF Spurious Emission

| Condition | Mode | Frequency (MHz) | Antenna | Max Value (dBc) | Limit (dBc) | Verdict |
|-----------|------|-----------------|---------|-----------------|-------------|---------|
| NVNT      | b    | 2412            | Ant1    | -43.45          | -30         | Pass    |
| NVNT      | b    | 2437            | Ant1    | -45.06          | -30         | Pass    |
| NVNT      | b    | 2462            | Ant1    | -45.34          | -30         | Pass    |
| NVNT      | g    | 2412            | Ant1    | -40.93          | -30         | Pass    |
| NVNT      | g    | 2437            | Ant1    | -40.83          | -30         | Pass    |
| NVNT      | g    | 2462            | Ant1    | -40.76          | -30         | Pass    |
| NVNT      | n20  | 2412            | Ant1    | -40.77          | -30         | Pass    |
| NVNT      | n20  | 2437            | Ant1    | -41.57          | -30         | Pass    |
| NVNT      | n20  | 2462            | Ant1    | -41.16          | -30         | Pass    |
| NVNT      | n40  | 2422            | Ant1    | -38.18          | -30         | Pass    |
| NVNT      | n40  | 2437            | Ant1    | -38.44          | -30         | Pass    |
| NVNT      | n40  | 2452            | Ant1    | -35.65          | -30         | Pass    |

Tx. Spurious NVNT b 2412MHz Ant1 Ref



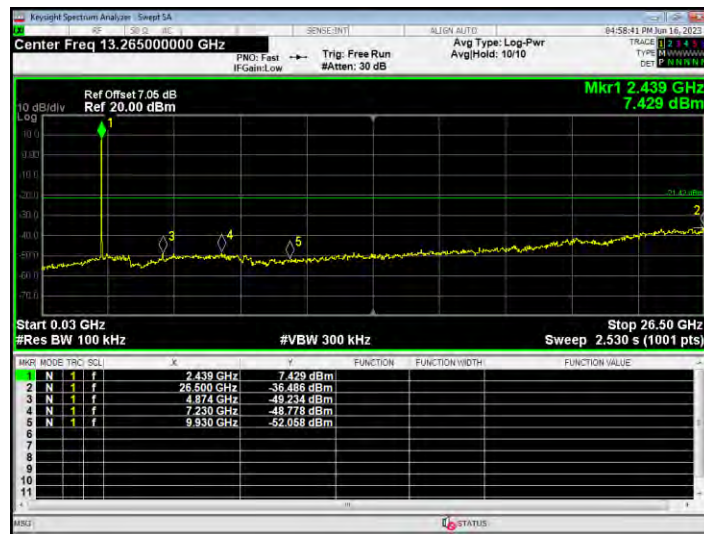
Tx. Spurious NVNT b 2412MHz Ant1 Emission



Tx. Spurious NVNT b 2437MHz Ant1 Ref



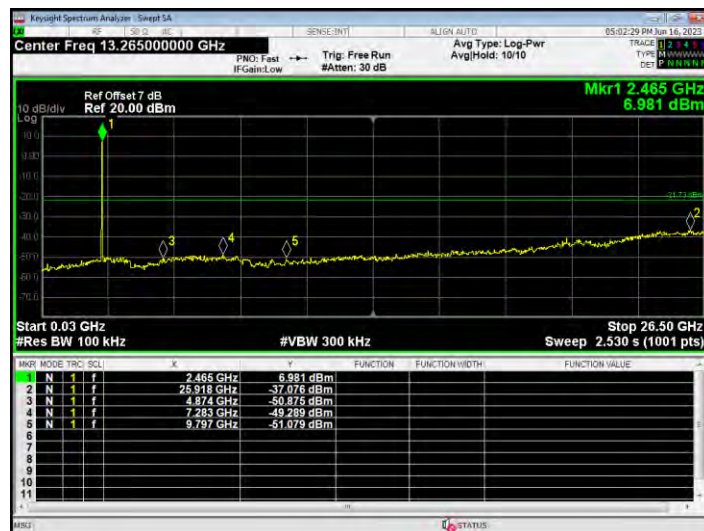
Tx. Spurious NVNT b 2437MHz Ant1 Emission



Tx. Spurious NVNT b 2462MHz Ant1 Ref



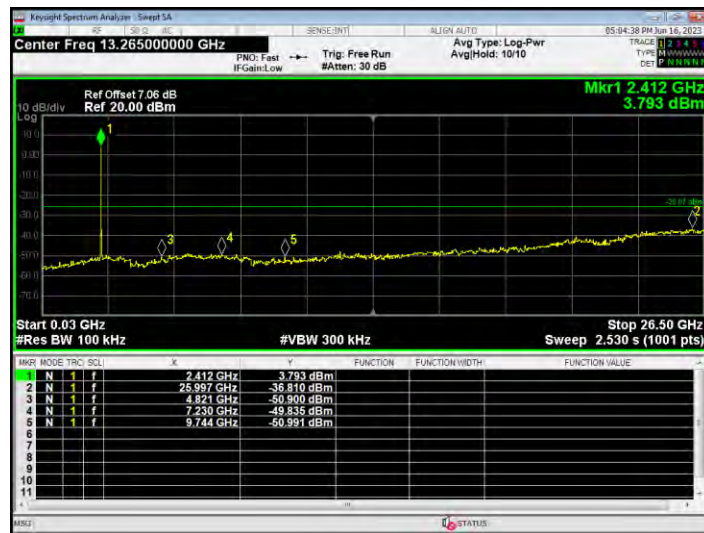
Tx. Spurious NVNT b 2462MHz Ant1 Emission



Tx. Spurious NVNT g 2412MHz Ant1 Ref



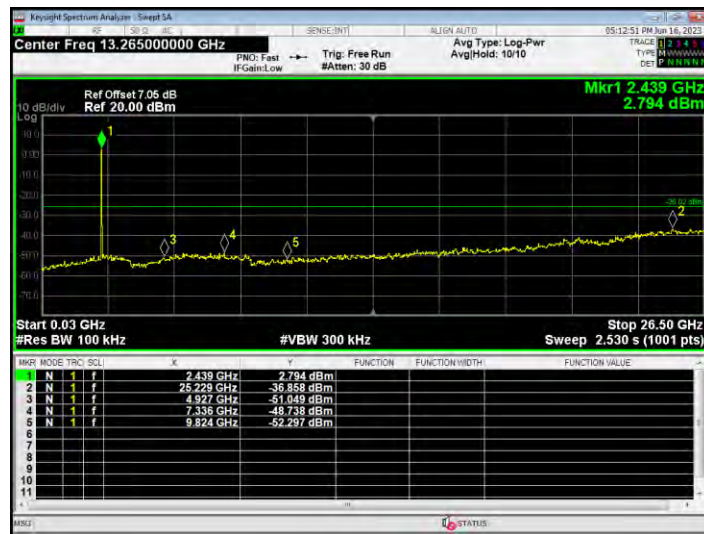
Tx. Spurious NVNT g 2412MHz Ant1 Emission



Tx. Spurious NVNT g 2437MHz Ant1 Ref



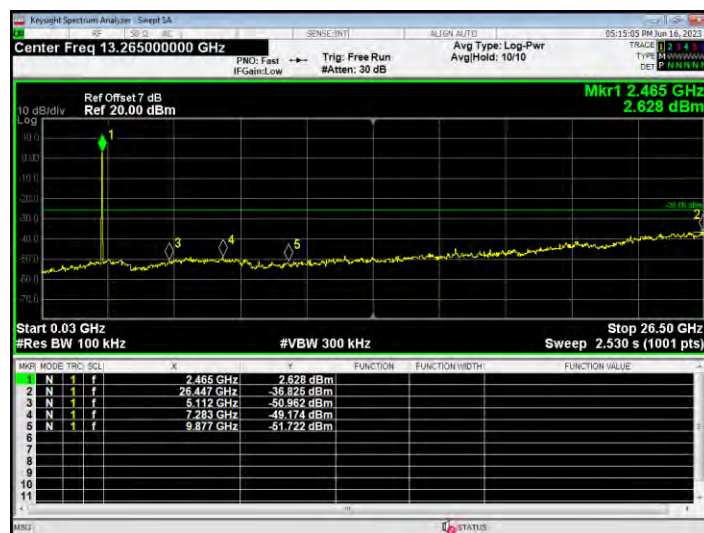
Tx. Spurious NVNT g 2437MHz Ant1 Emission



Tx. Spurious NVNT g 2462MHz Ant1 Ref



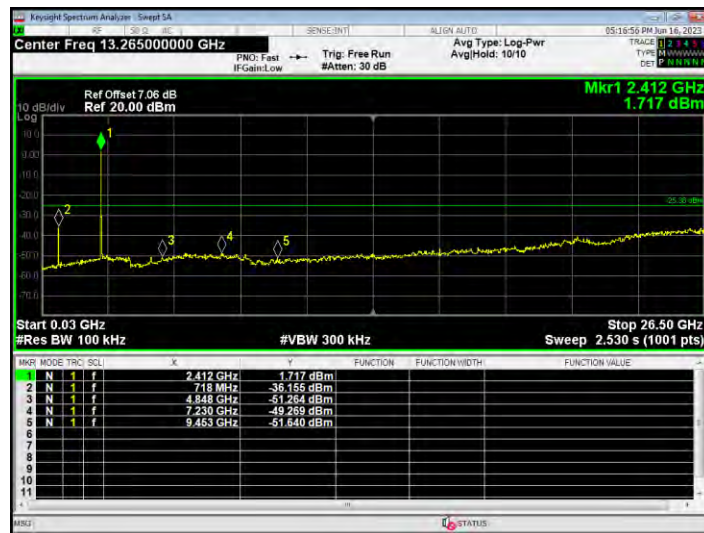
Tx. Spurious NVNT g 2462MHz Ant1 Emission



Tx. Spurious NVNT n20 2412MHz Ant1 Ref



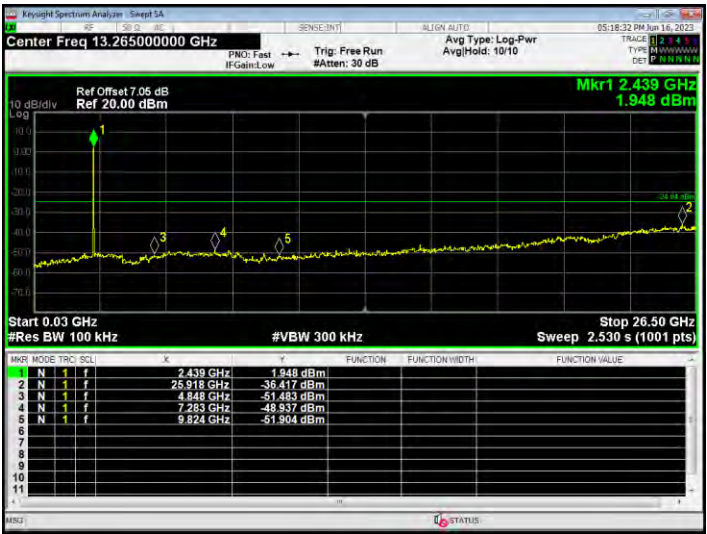
Tx. Spurious NVNT n20 2412MHz Ant1 Emission



Tx. Spurious NVNT n20 2437MHz Ant1 Ref



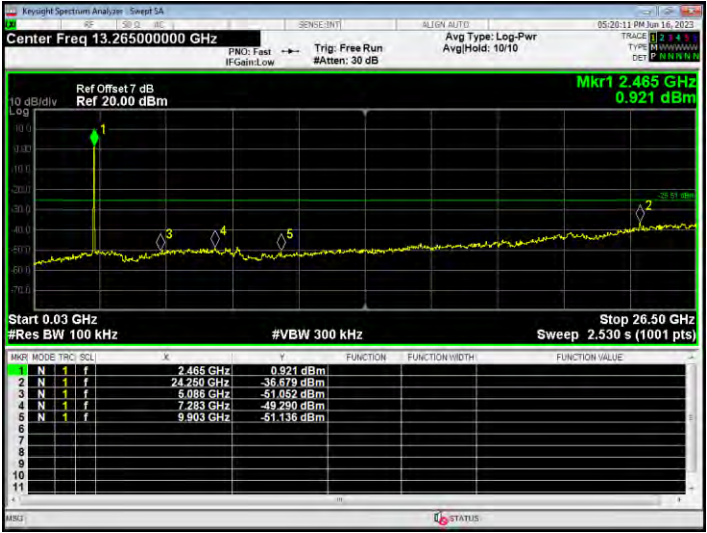
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Tx. Spurious NVNT n20 2462MHz Ant1 Ref



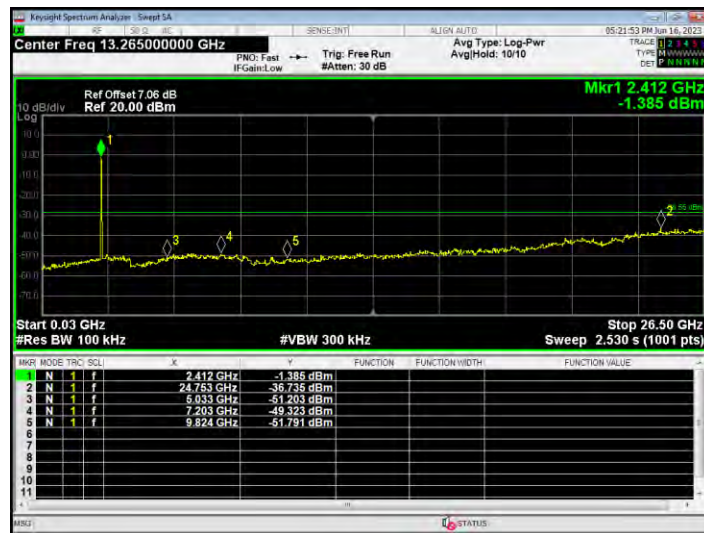
Tx. Spurious NVNT n20 2462MHz Ant1 Emission



Tx. Spurious NVNT n40 2422MHz Ant1 Ref



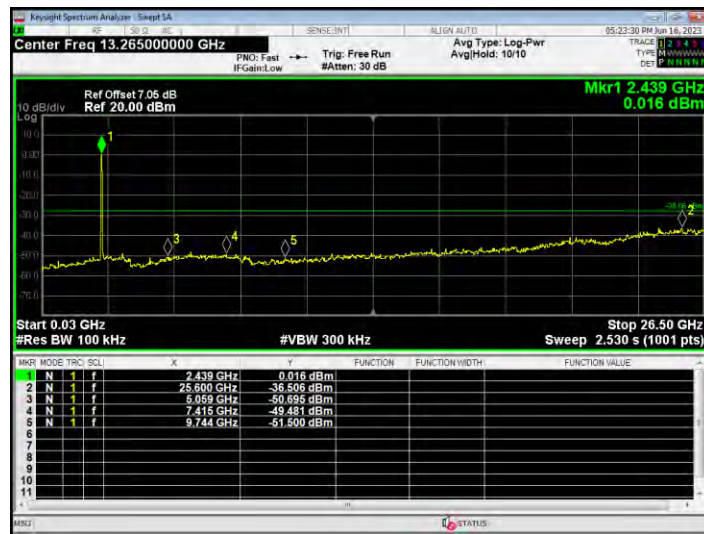
Tx. Spurious NVNT n40 2422MHz Ant1 Emission



Tx. Spurious NVNT n40 2437MHz Ant1 Ref



Tx. Spurious NVNT n40 2437MHz Ant1 Emission



Tx. Spurious NVNT n40 2452MHz Ant1 Ref



Tx. Spurious NVNT n40 2452MHz Ant1 Emission

