

## FCC Appendix RF Test Data for BT

Product Name: Smart Diagnostic System

Test Model: P805

### Environmental Conditions

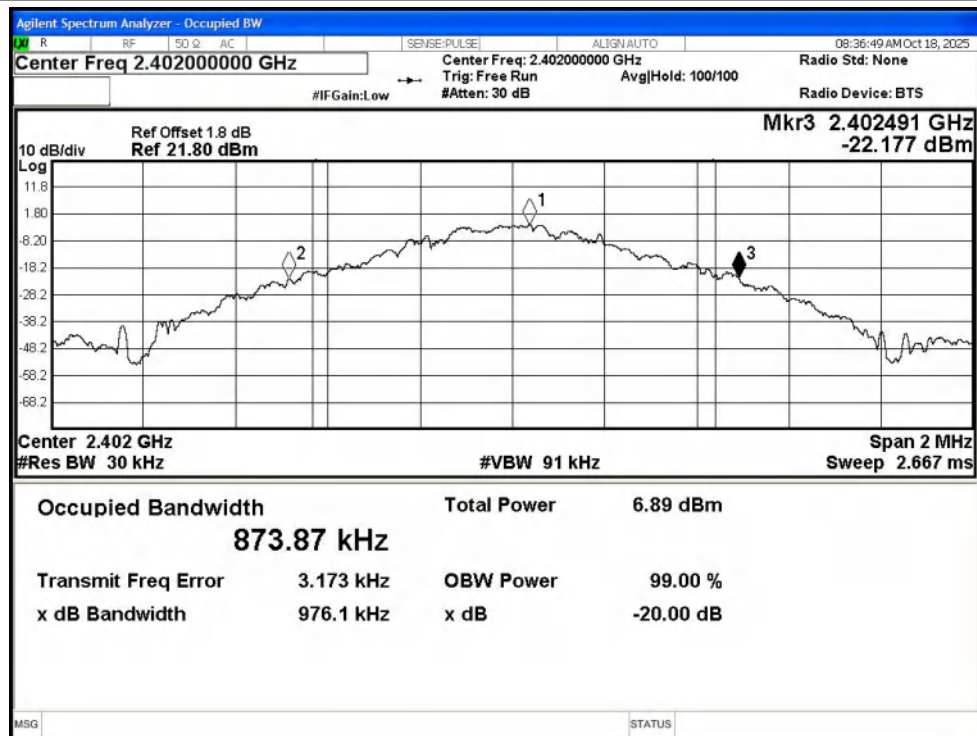
|                    |           |
|--------------------|-----------|
| Temperature:       | 23.8° C   |
| Relative Humidity: | 52.1%     |
| ATM Pressure:      | 100.0 kPa |
| Test Engineer:     | Zoey Cao  |
| Supervised by:     | Eric Wang |

## 1. -20dB Bandwidth

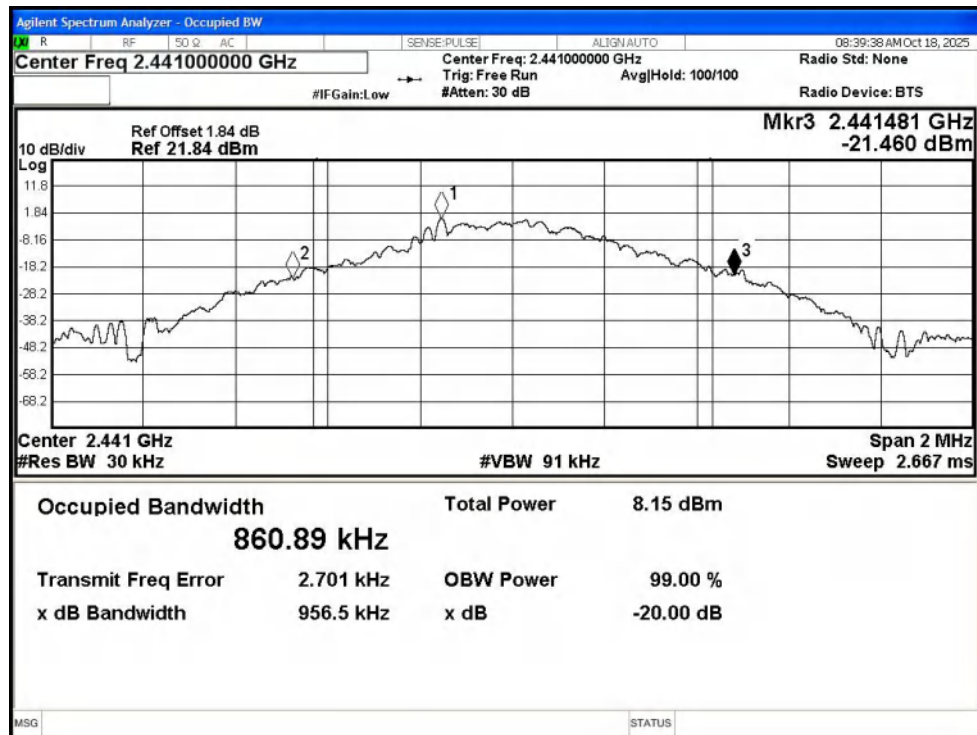
| Condition | Mode  | Frequency (MHz) | Antenna | -20 dB Bandwidth (MHz) | Limit -20 dB Bandwidth (MHz) | Verdict |
|-----------|-------|-----------------|---------|------------------------|------------------------------|---------|
| NVNT      | 1-DH5 | 2402            | Ant1    | 0.976                  | N/A                          | Pass    |
| NVNT      | 1-DH5 | 2441            | Ant1    | 0.957                  | N/A                          | Pass    |
| NVNT      | 1-DH5 | 2480            | Ant1    | 1.009                  | N/A                          | Pass    |
| NVNT      | 2-DH5 | 2402            | Ant1    | 1.28                   | N/A                          | Pass    |
| NVNT      | 2-DH5 | 2441            | Ant1    | 1.284                  | N/A                          | Pass    |
| NVNT      | 2-DH5 | 2480            | Ant1    | 1.266                  | N/A                          | Pass    |
| NVNT      | 3-DH5 | 2402            | Ant1    | 1.285                  | N/A                          | Pass    |
| NVNT      | 3-DH5 | 2441            | Ant1    | 1.297                  | N/A                          | Pass    |
| NVNT      | 3-DH5 | 2480            | Ant1    | 1.282                  | N/A                          | Pass    |

## Test Graphs

-20dB Bandwidth NVNT 1-DH5 2402MHz Ant1



-20dB Bandwidth NVNT 1-DH5 2441MHz Ant1



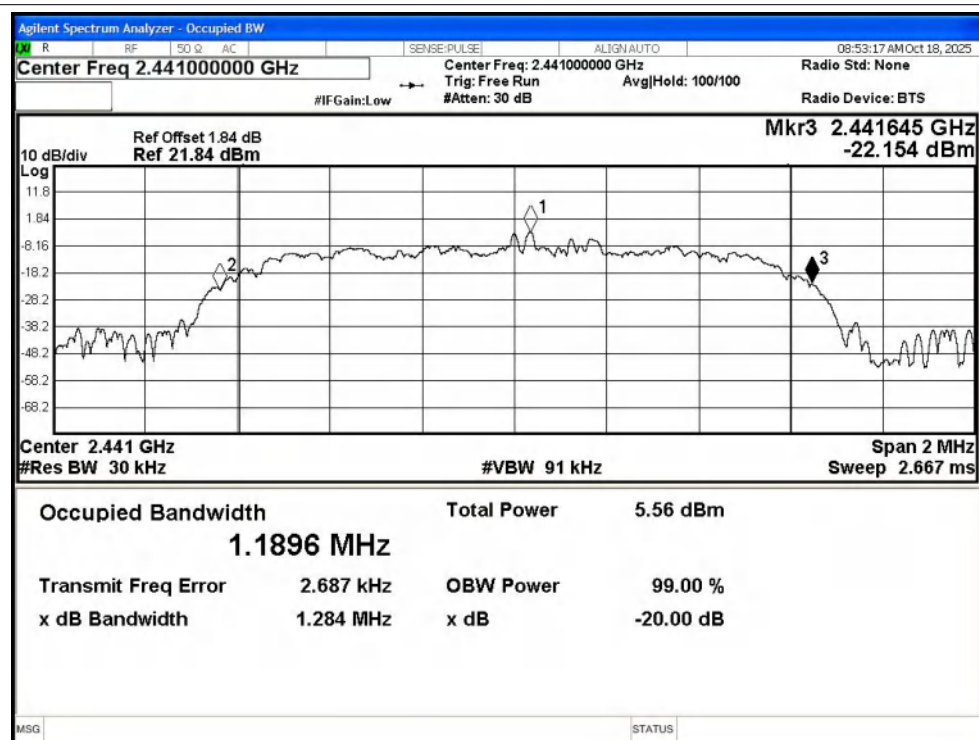
## -20dB Bandwidth NVNT 1-DH5 2480MHz Ant1



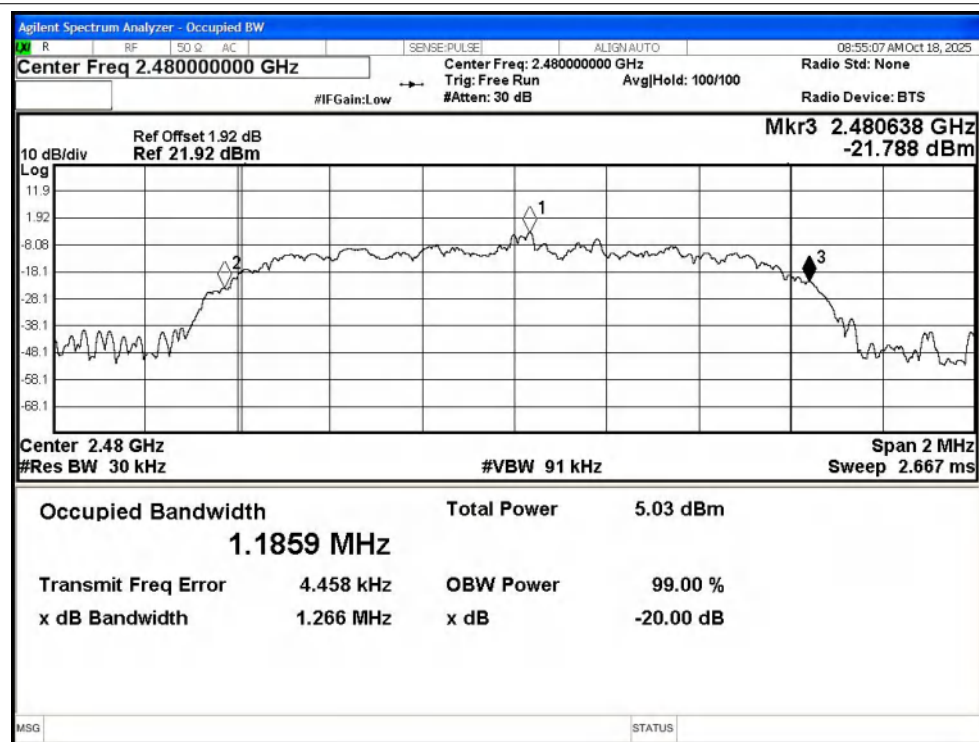
## -20dB Bandwidth NVNT 2-DH5 2402MHz Ant1



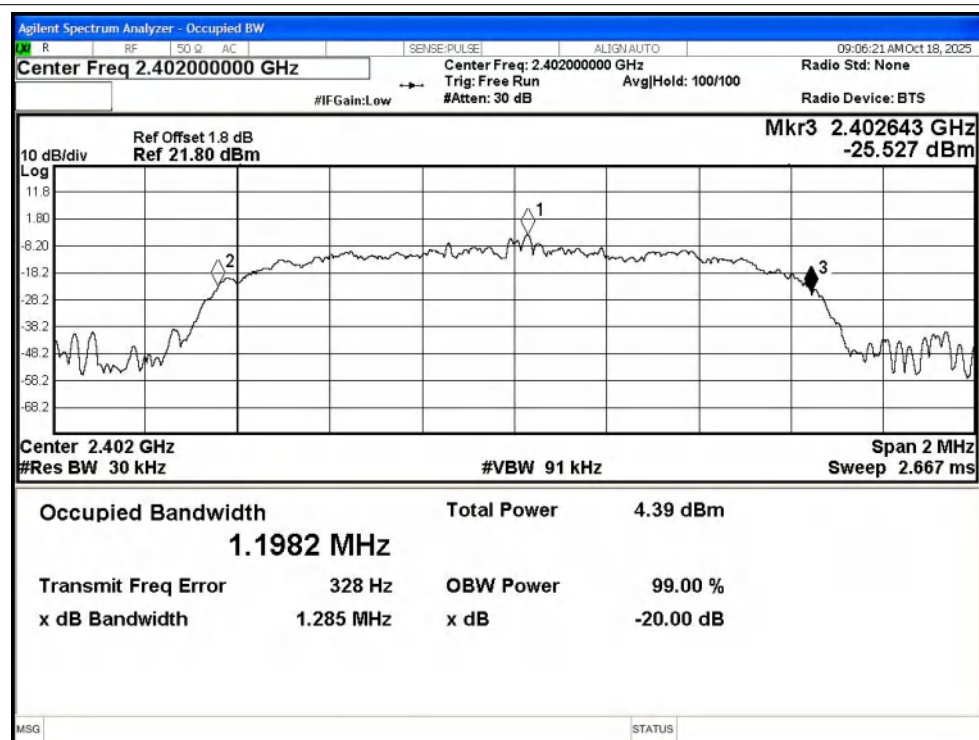
## -20dB Bandwidth NVNT 2-DH5 2441MHz Ant1



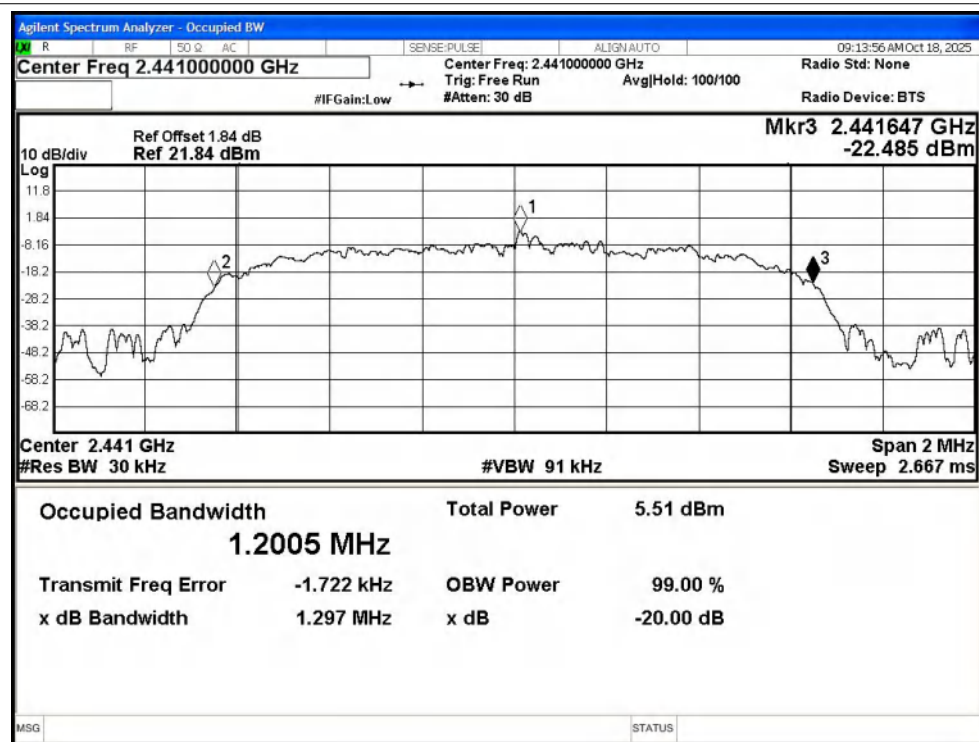
## -20dB Bandwidth NVNT 2-DH5 2480MHz Ant1



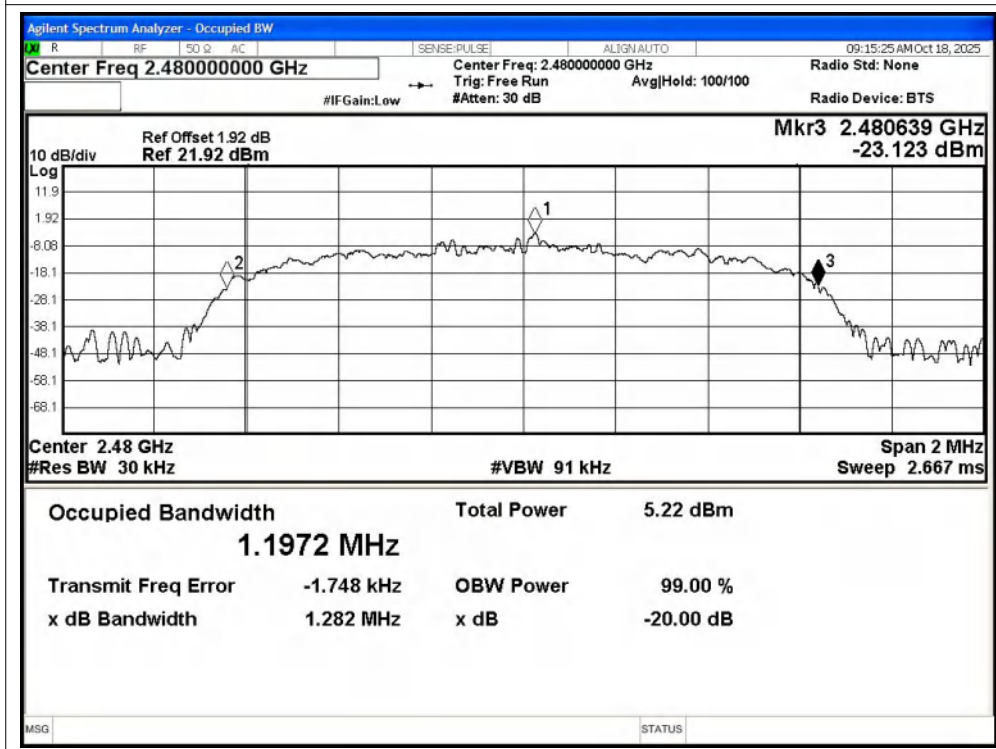
## -20dB Bandwidth NVNT 3-DH5 2402MHz Ant1



## -20dB Bandwidth NVNT 3-DH5 2441MHz Ant1



-20dB Bandwidth NVNT 3-DH5 2480MHz Ant1



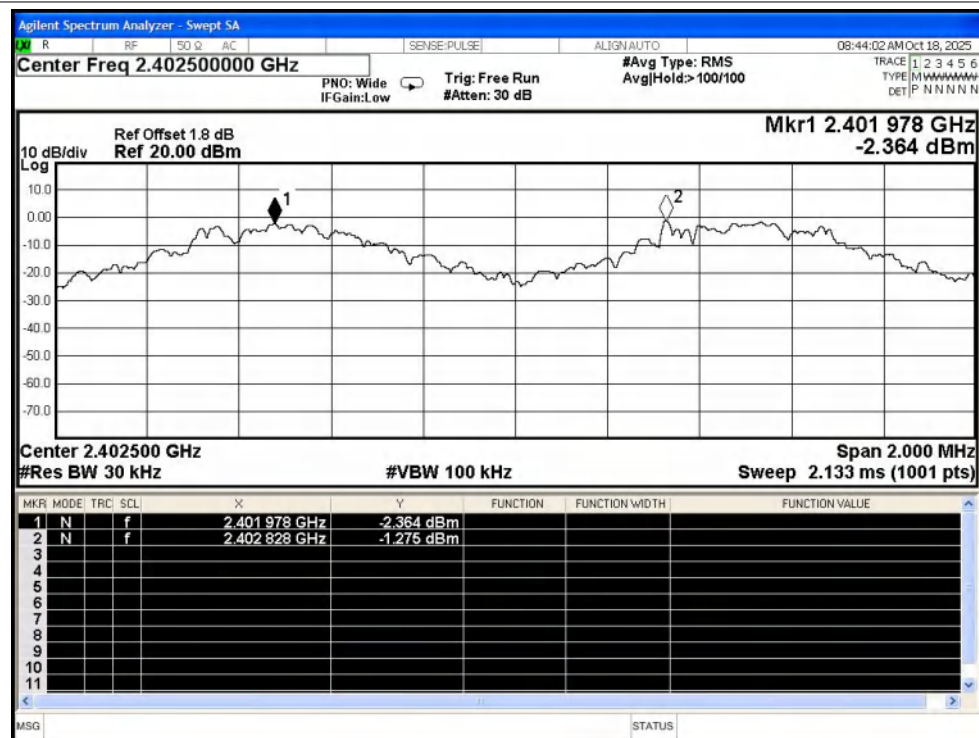
## 2. Maximum Peak Conducted Output Power

| Condition | Mode  | Frequency (MHz) | Antenna | Conducted Power (dBm) | Limit (dBm) | Verdict |
|-----------|-------|-----------------|---------|-----------------------|-------------|---------|
| NVNT      | 1-DH5 | 2402            | Ant1    | 0.78                  | 21          | Pass    |
| NVNT      | 1-DH5 | 2441            | Ant1    | 1.86                  | 21          | Pass    |
| NVNT      | 1-DH5 | 2480            | Ant1    | 1.12                  | 21          | Pass    |
| NVNT      | 2-DH5 | 2402            | Ant1    | -0.10                 | 21          | Pass    |
| NVNT      | 2-DH5 | 2441            | Ant1    | 1.13                  | 21          | Pass    |
| NVNT      | 2-DH5 | 2480            | Ant1    | 0.36                  | 21          | Pass    |
| NVNT      | 3-DH5 | 2402            | Ant1    | 0.19                  | 21          | Pass    |
| NVNT      | 3-DH5 | 2441            | Ant1    | 1.39                  | 21          | Pass    |
| NVNT      | 3-DH5 | 2480            | Ant1    | 0.53                  | 21          | Pass    |

### 3. Carrier Frequencies Separation

| Condition | Mode  | Antenna | Hopping Freq1 (MHz) | Hopping Freq2 (MHz) | HFS (MHz) | Limit (MHz) | Verdict |
|-----------|-------|---------|---------------------|---------------------|-----------|-------------|---------|
| NVNT      | 1-DH5 | Ant1    | 2401.978            | 2402.828            | 0.85      | 0.651       | Pass    |
| NVNT      | 2-DH5 | Ant1    | 2402.032            | 2403.012            | 0.98      | 0.853       | Pass    |
| NVNT      | 3-DH5 | Ant1    | 2401.926            | 2403.102            | 1.176     | 0.857       | Pass    |

## CFS NVNT 1-DH5 2402MHz Ant1



Agilent Spectrum Analyzer - Swept SA

08:59:36 AM Oct 18, 2025

Center Freq 2.40250000 GHz

PNO: Wide IF Gain: Low

Trig: Free Run #Atten: 30 dB

#Avg Type: RMS Avg/Hold: >100/100

TRACE 1 2 3 4 5 6  
TYPE M W W W W W W W  
DET P N N N N N N

Ref Offset 1.8 dB  
Ref 20.00 dBm

Mkr1 2.402 032 GHz  
-3.965 dBm

10 dB/div  
Log

Center 2.402500 GHz

#Res BW 30 kHz

#VBW 100 kHz

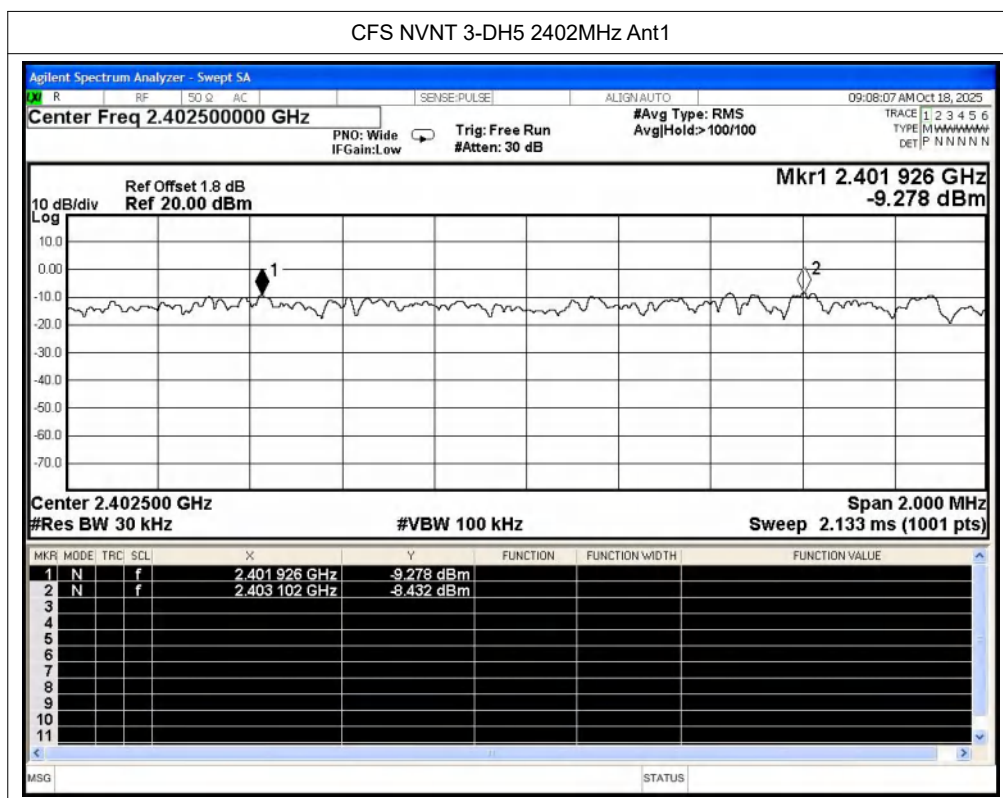
Span 2.000 MHz

Sweep 2.133 ms (1001 pts)

| MRK | MODE | TRG | SCL | X             | Y          | FUNCTION | FUNCTION WIDTH | FUNCTION VALUE |
|-----|------|-----|-----|---------------|------------|----------|----------------|----------------|
| 1   | N    | f   |     | 2.402 032 GHz | -3.965 dBm |          |                |                |
| 2   | N    | f   |     | 2.403 012 GHz | -4.095 dBm |          |                |                |
| 3   |      |     |     |               |            |          |                |                |
| 4   |      |     |     |               |            |          |                |                |
| 5   |      |     |     |               |            |          |                |                |
| 6   |      |     |     |               |            |          |                |                |
| 7   |      |     |     |               |            |          |                |                |
| 8   |      |     |     |               |            |          |                |                |
| 9   |      |     |     |               |            |          |                |                |
| 10  |      |     |     |               |            |          |                |                |
| 11  |      |     |     |               |            |          |                |                |

MSG

STATUS

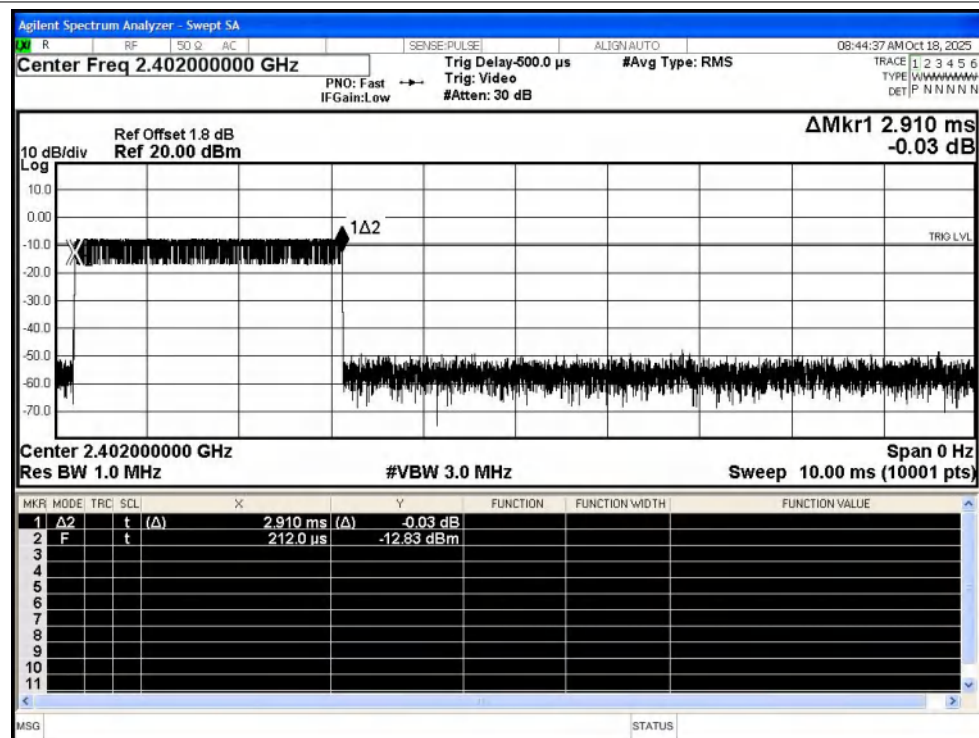


## 4. Dwell Time

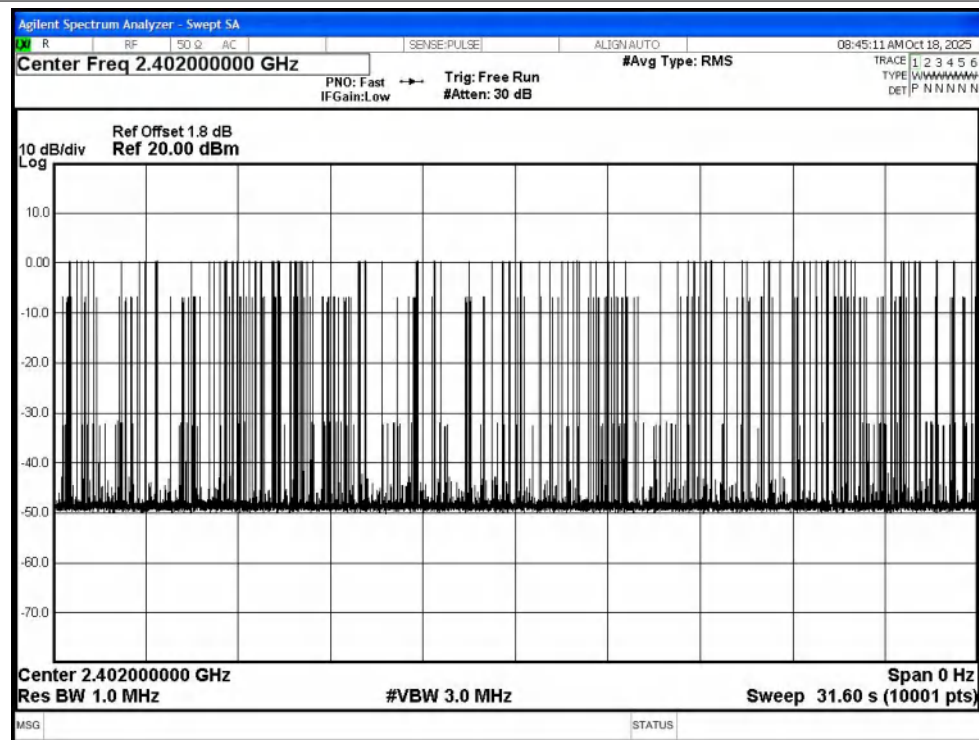
| Condition | Mode  | Frequency<br>(MHz) | Antenna | Pulse Time<br>(ms) | Total Dwell Time<br>(ms) | Burst<br>Count | Period Time<br>(ms) | Limit<br>(ms) | Verdict |
|-----------|-------|--------------------|---------|--------------------|--------------------------|----------------|---------------------|---------------|---------|
| NVNT      | 1-DH5 | 2402               | Ant1    | 2.91               | 323.01                   | 111            | 31600               | 400           | Pass    |
| NVNT      | 2-DH5 | 2402               | Ant1    | 2.898              | 315.882                  | 109            | 31600               | 400           | Pass    |
| NVNT      | 3-DH5 | 2402               | Ant1    | 2.897              | 312.876                  | 108            | 31600               | 400           | Pass    |

## Test Graphs

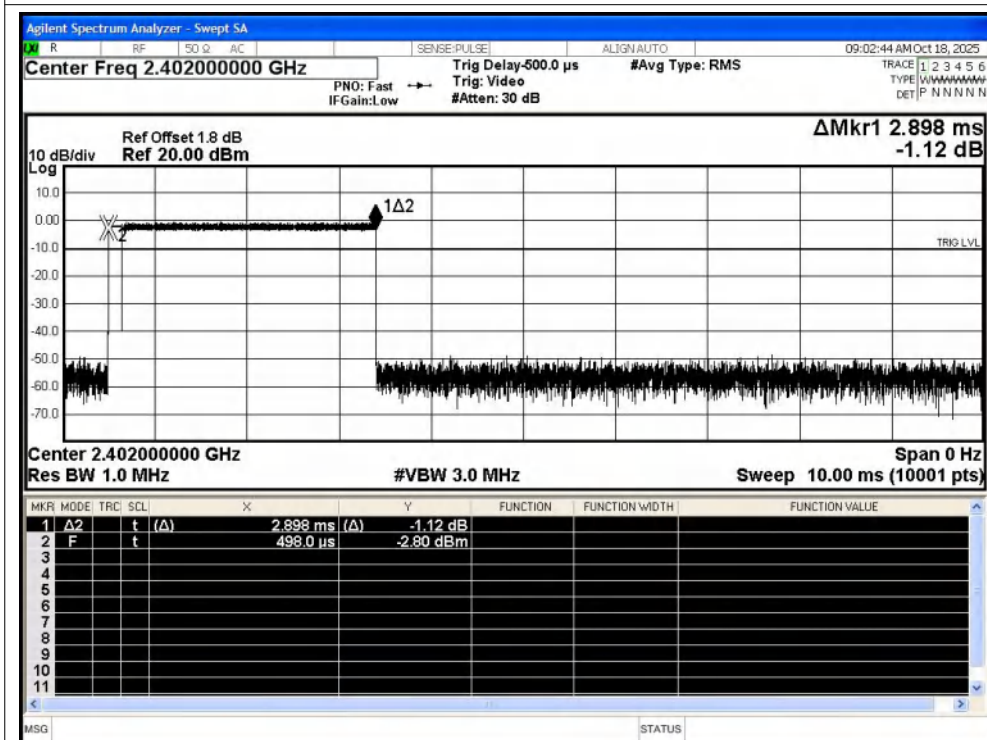
Dwell NVNT 1-DH5 2402MHz Ant1 One Burst



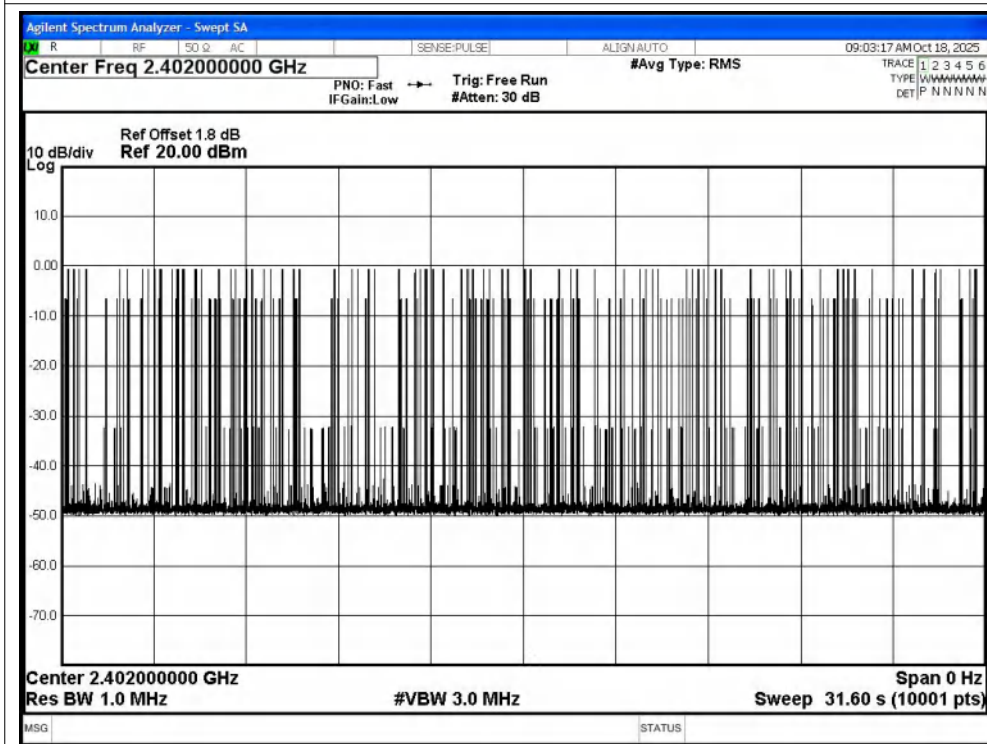
Dwell NVNT 1-DH5 2402MHz Ant1 Accumulated



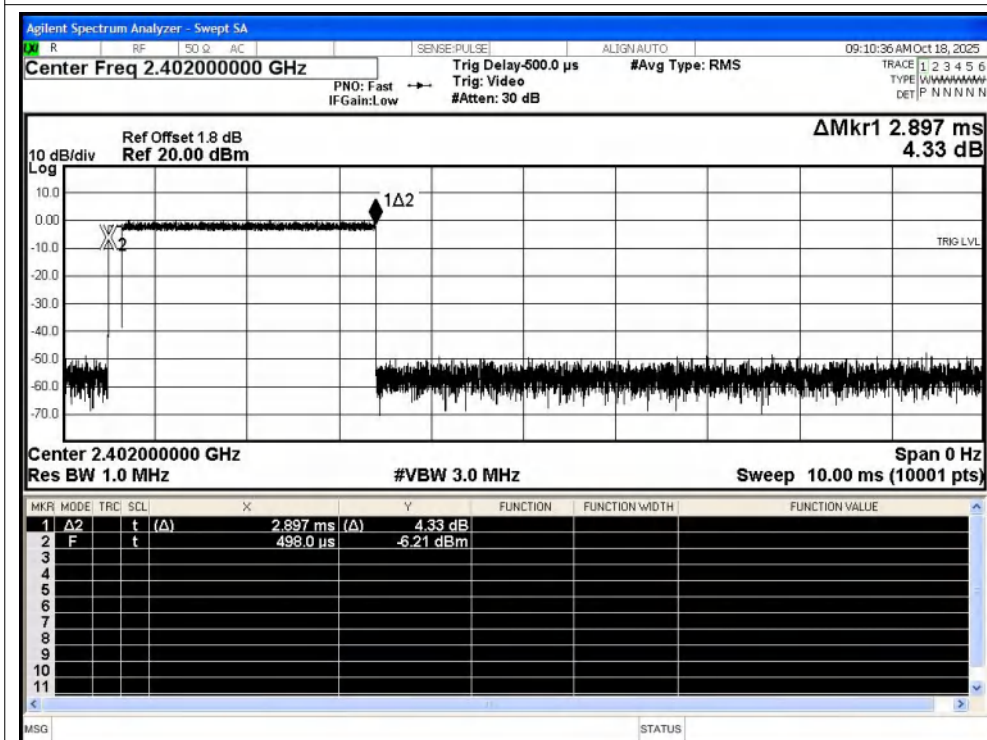
## Dwell NVNT 2-DH5 2402MHz Ant1 One Burst



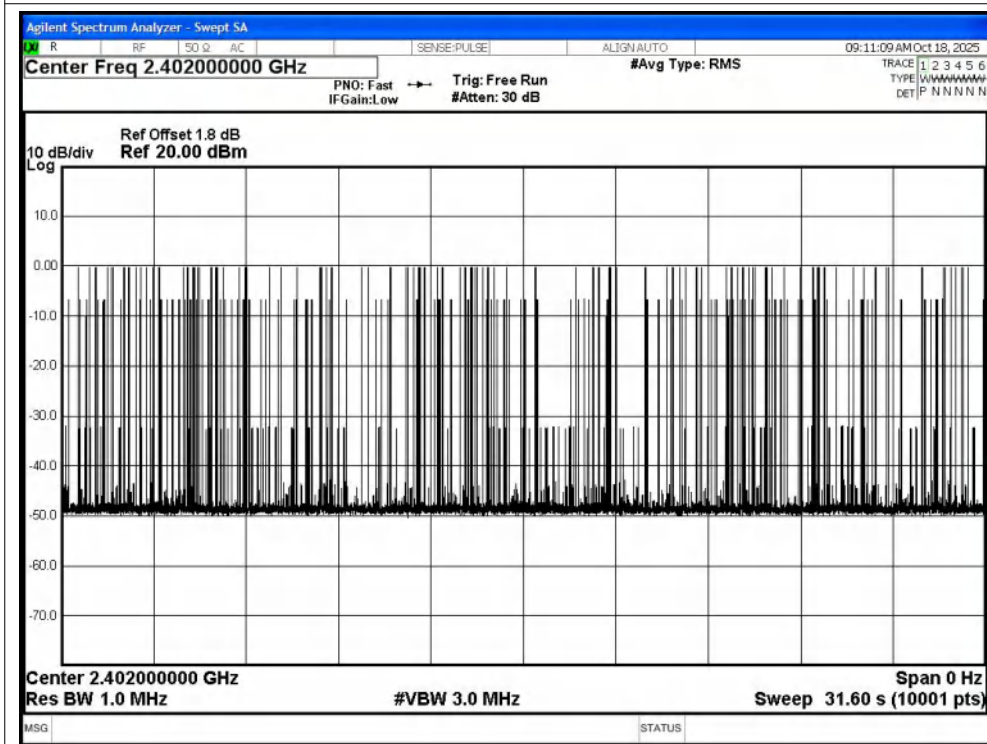
## Dwell NVNT 2-DH5 2402MHz Ant1 Accumulated



## Dwell NVNT 3-DH5 2402MHz Ant1 One Burst



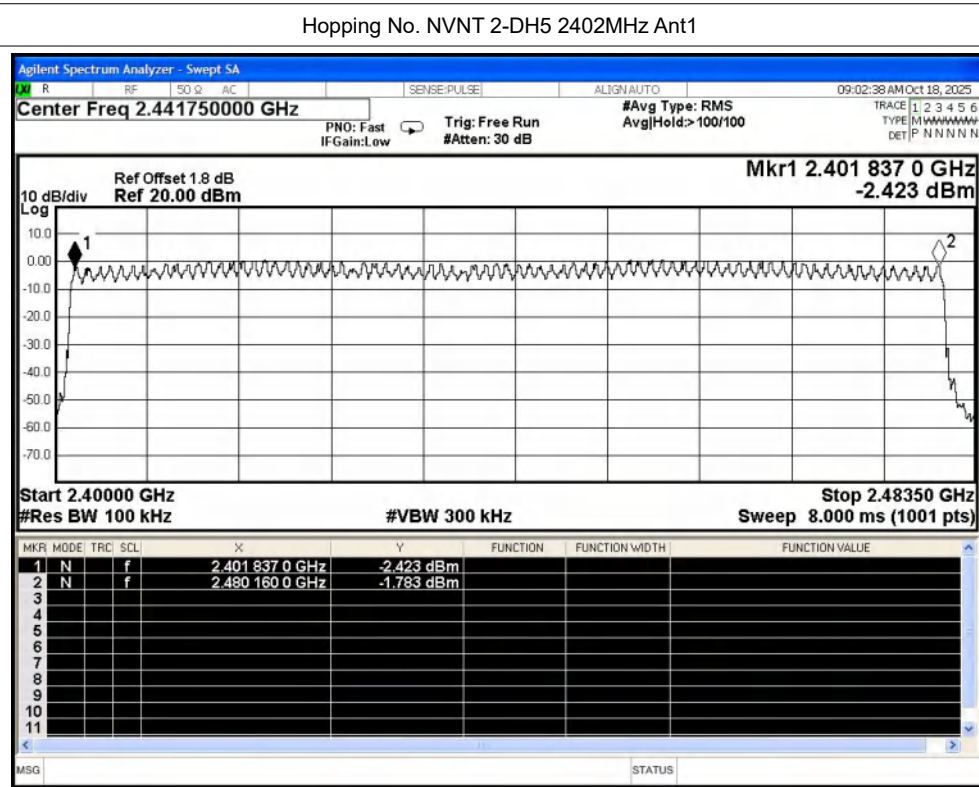
## Dwell NVNT 3-DH5 2402MHz Ant1 Accumulated



## 5. Number of Hopping Channel

| Condition | Mode  | Antenna | Hopping Number | Limit | Verdict |
|-----------|-------|---------|----------------|-------|---------|
| NVNT      | 1-DH5 | Ant1    | 79             | 15    | Pass    |
| NVNT      | 2-DH5 | Ant1    | 79             | 15    | Pass    |
| NVNT      | 3-DH5 | Ant1    | 79             | 15    | Pass    |

Hopping No. NVNT 1-DH5 2402MHz Ant1



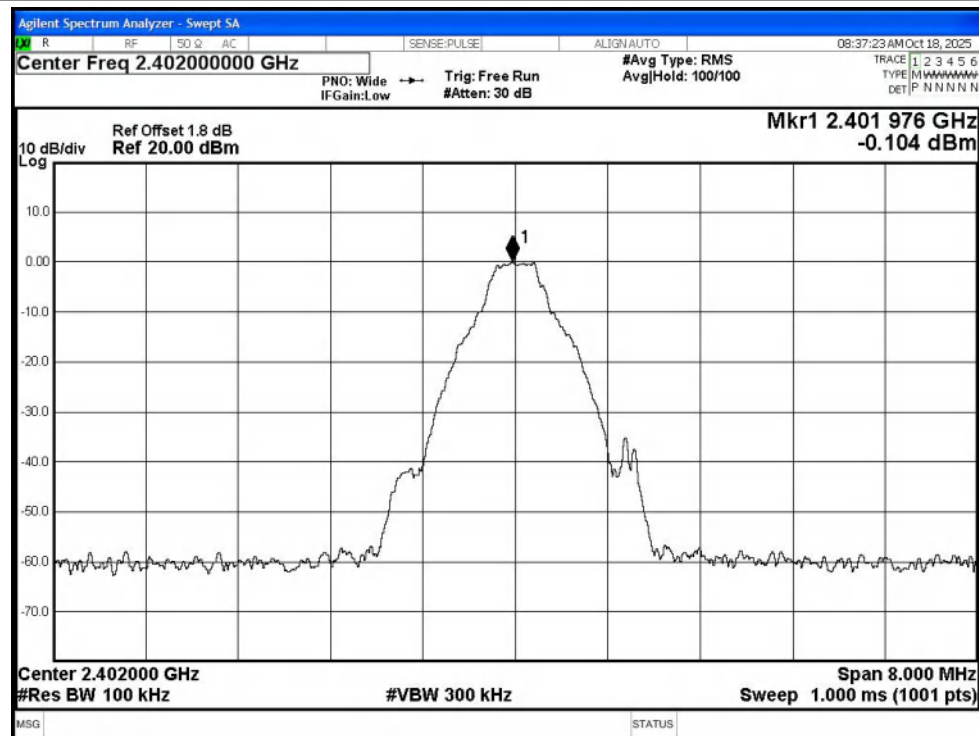
[illegible]

## 6. Band Edge

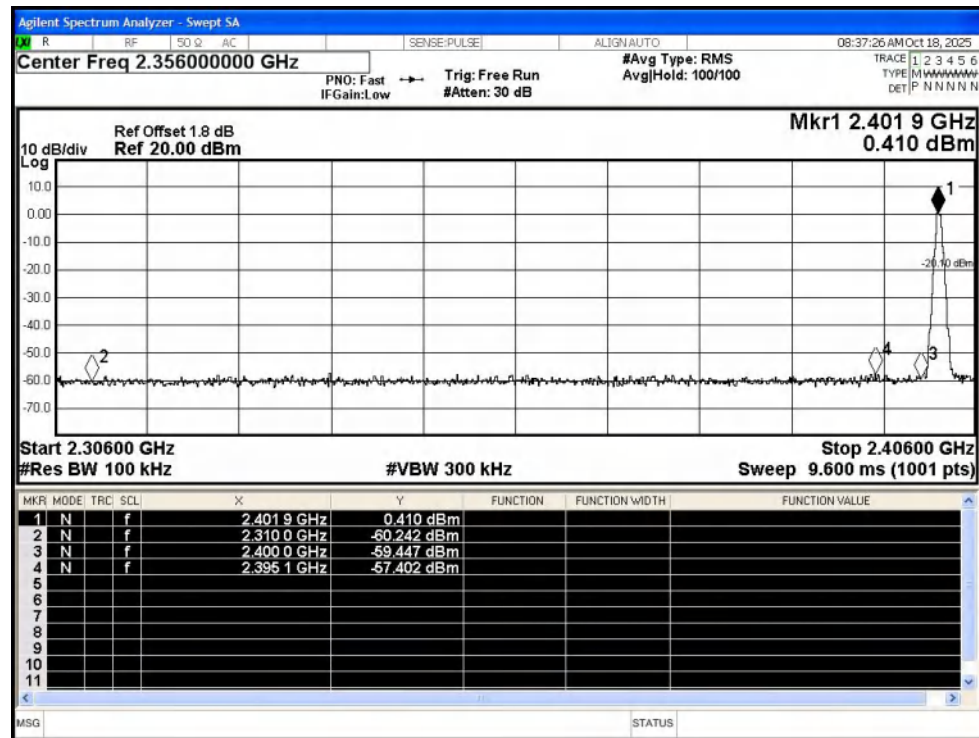
| Condition | Mode  | Frequency (MHz) | Antenna | Hopping Mode | Max Value (dBc) | Limit (dBc) | Verdict |
|-----------|-------|-----------------|---------|--------------|-----------------|-------------|---------|
| NVNT      | 1-DH5 | 2402            | Ant1    | No-Hopping   | -57.3           | -20         | Pass    |
| NVNT      | 1-DH5 | 2480            | Ant1    | No-Hopping   | -57.58          | -20         | Pass    |
| NVNT      | 2-DH5 | 2402            | Ant1    | No-Hopping   | -50.82          | -20         | Pass    |
| NVNT      | 2-DH5 | 2480            | Ant1    | No-Hopping   | -54.95          | -20         | Pass    |
| NVNT      | 3-DH5 | 2402            | Ant1    | No-Hopping   | -52.87          | -20         | Pass    |
| NVNT      | 3-DH5 | 2480            | Ant1    | No-Hopping   | -53.98          | -20         | Pass    |

## Test Graphs

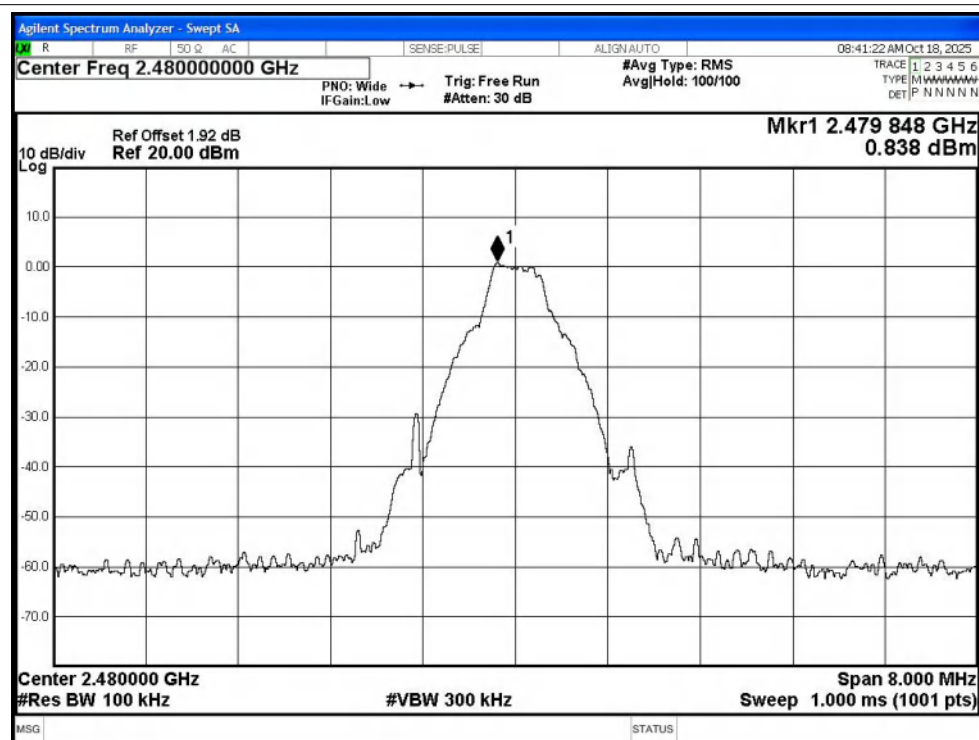
## Band Edge NVNT 1-DH5 2402MHz Ant1 No-Hopping Ref



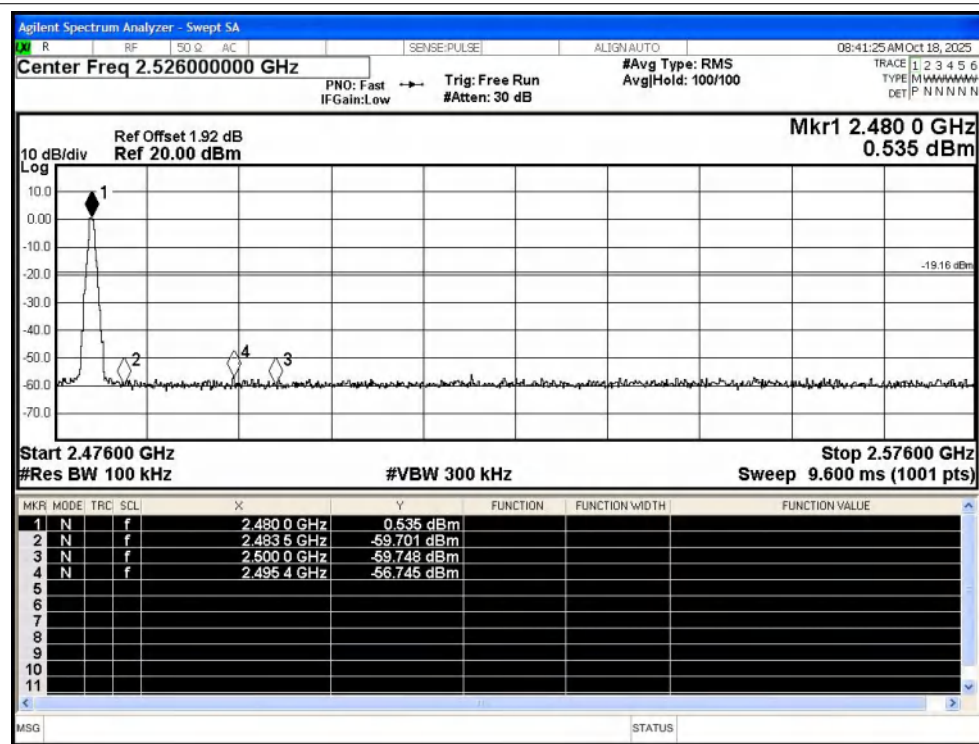
## Band Edge NVNT 1-DH5 2402MHz Ant1 No-Hopping Emission



Band Edge NVNT 1-DH5 2480MHz Ant1 No-Hopping Ref



Band Edge NVNT 1-DH5 2480MHz Ant1 No-Hopping Emission



Agilent Spectrum Analyzer - Swept SA

R RF 50 Q AC SENSE:PULSE ALIGN:AUTO 08:51:29 AM Oct 18, 2025

Center Freq 2.402000000 GHz PNO: Wide IFGain:Low Trig: Free Run #Atten: 30 dB #Avg Type: RMS Avg|Hold: 100/100

TRACE 1 2 3 4 5 6  
TYPE: M W W W W W W W W W  
DET: P N N N N N N

Ref Offset 1.8 dB  
Ref 20.00 dBm

Mkr1 2.402 016 GHz  
-5.039 dBm

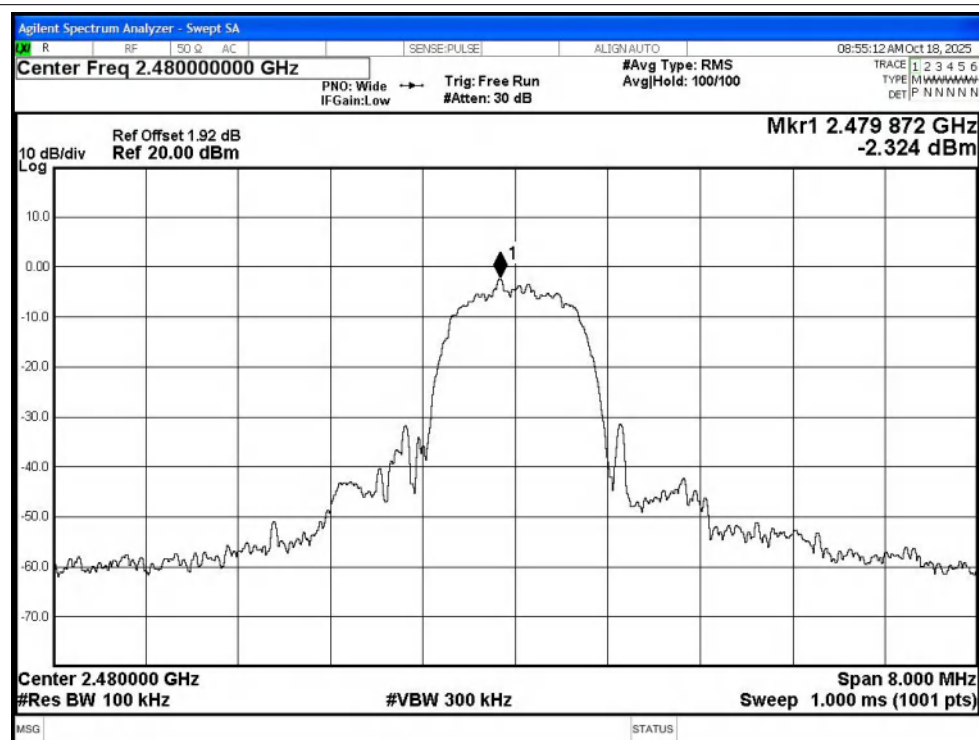
10 dB/div  
Log

The screenshot displays a spectrum analyzer interface. The main plot area shows a signal centered at 2.402 GHz with a peak level of approximately -5 dBm. The y-axis is labeled '10 dB/div Log' and ranges from -70.0 to 10.0. The x-axis is labeled 'Center 2.402000 GHz' and ranges from 2.400 GHz to 2.404 GHz. The signal is marked with a peak marker '1' at 2.402 016 GHz. The plot shows a noisy signal with a clear peak. The background is a grid. The top of the screen shows the instrument name 'Agilent Spectrum Analyzer - Swept SA' and various settings like 'R', 'RF', '50 Q', 'AC', 'SENSE:PULSE', 'ALIGN:AUTO', and the date '08:51:29 AM Oct 18, 2025'. Below the plot, there are labels for 'Center 2.402000 GHz', '#Res BW 100 kHz', '#VBW 300 kHz', 'Span 8.000 MHz', and 'Sweep 1.000 ms (1001 pts)'. There are also labels for 'Ref Offset 1.8 dB' and 'Ref 20.00 dBm'. A marker 'Mkr1 2.402 016 GHz -5.039 dBm' is shown in the top right corner of the plot area. The plot itself shows a signal that is relatively flat around -60 dBm, then rises to a peak of about -5 dBm at 2.402 GHz, and then falls back to the noise floor. The signal has some noise and a slight ripple on the peak.

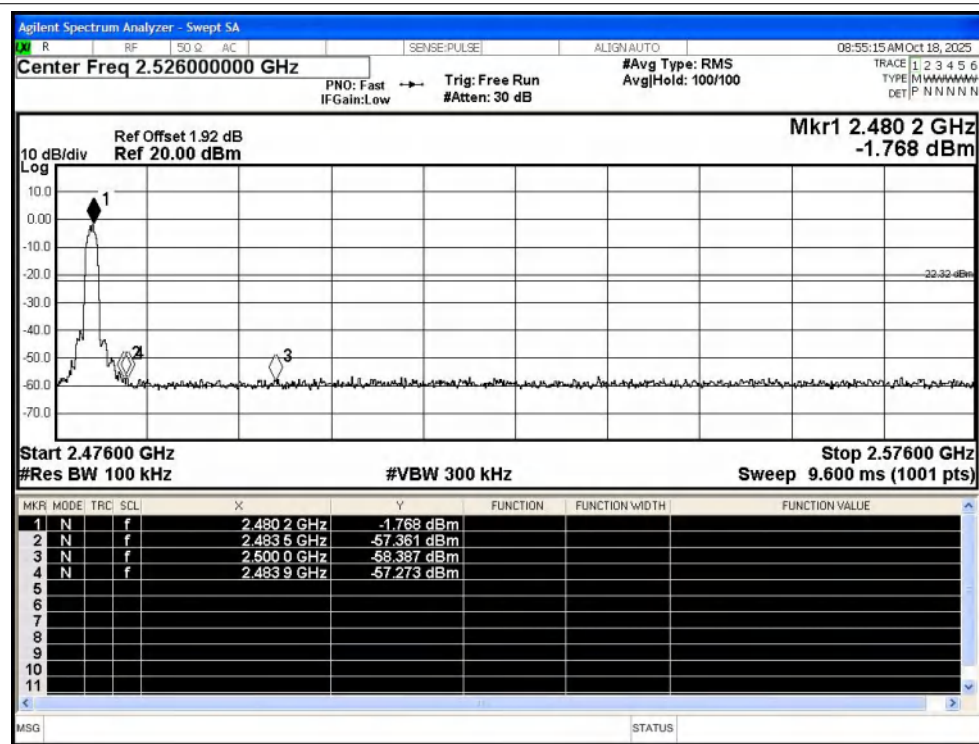
Center 2.402000 GHz #Res BW 100 kHz #VBW 300 kHz Span 8.000 MHz Sweep 1.000 ms (1001 pts)

[illegible]

## Band Edge NVNT 2-DH5 2480MHz Ant1 No-Hopping Ref



## Band Edge NVNT 2-DH5 2480MHz Ant1 No-Hopping Emission



Agilent Spectrum Analyzer - Swept SA

09:06:26 AM Oct 18, 2025

Center Freq 2.402000000 GHz

PN0: Wide IFGain: Low Trig: Free Run #Atten: 30 dB #Avg Type: RMS AvgHold: 100/100

Ref Offset 1.8 dB Ref 20.00 dBm

Mkr1 2.402 000 GHz -2.144 dBm

10 dB/div Log

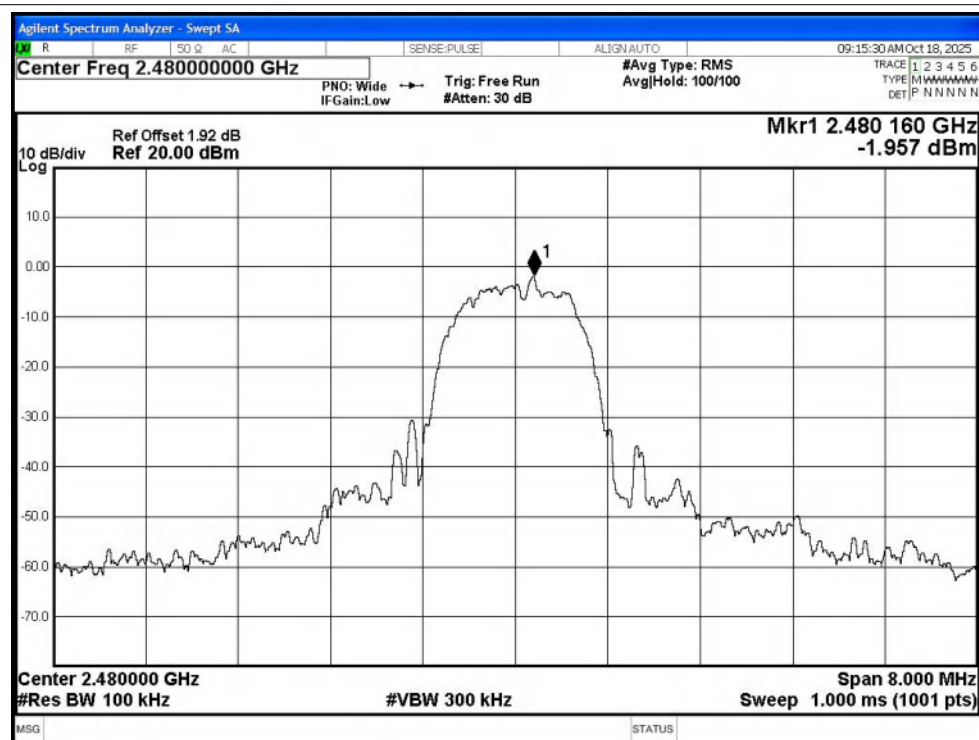
Center 2.402000 GHz #Res BW 100 kHz #VBW 300 kHz Span 8.000 MHz Sweep 1.000 ms (1001 pts)

MSG STATUS

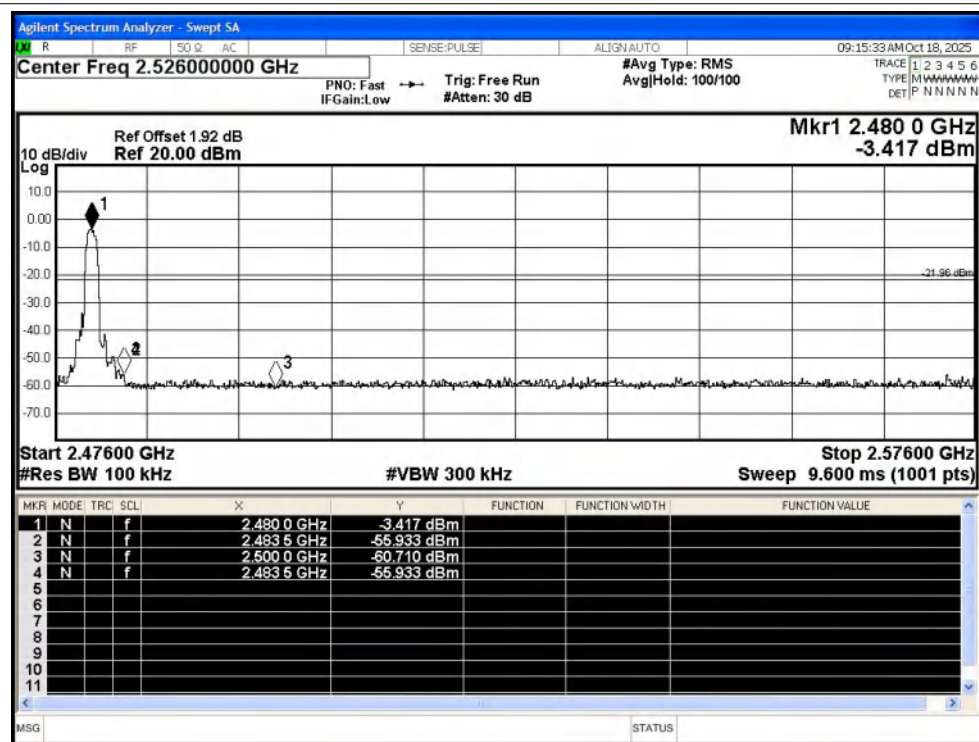
Detailed description: This is a screenshot of an Agilent Spectrum Analyzer. The main display is a log-linear plot of power spectral density. The horizontal axis represents frequency, centered at 2.402000 GHz with a span of 8.000 MHz. The vertical axis represents power in dBm, ranging from -70.0 to 10.0 dBm, with a resolution of 10 dB/div. A signal is visible as a noisy trace. A specific peak is identified with a marker labeled '1' at a frequency of 2.402 000 GHz and a power level of -2.144 dBm. The reference level is set to 20.00 dBm with a 1.8 dB offset. The analyzer is configured with a 100 kHz resolution bandwidth, 300 kHz video bandwidth, and 30 dB of attenuation. The sweep time is 1.000 ms. The top of the screen shows the date and time as 09:06:26 AM on Oct 18, 2025. The bottom status bar shows 'MSG' and 'STATUS' indicators.

[illegible]

## Band Edge NVNT 3-DH5 2480MHz Ant1 No-Hopping Ref



## Band Edge NVNT 3-DH5 2480MHz Ant1 No-Hopping Emission

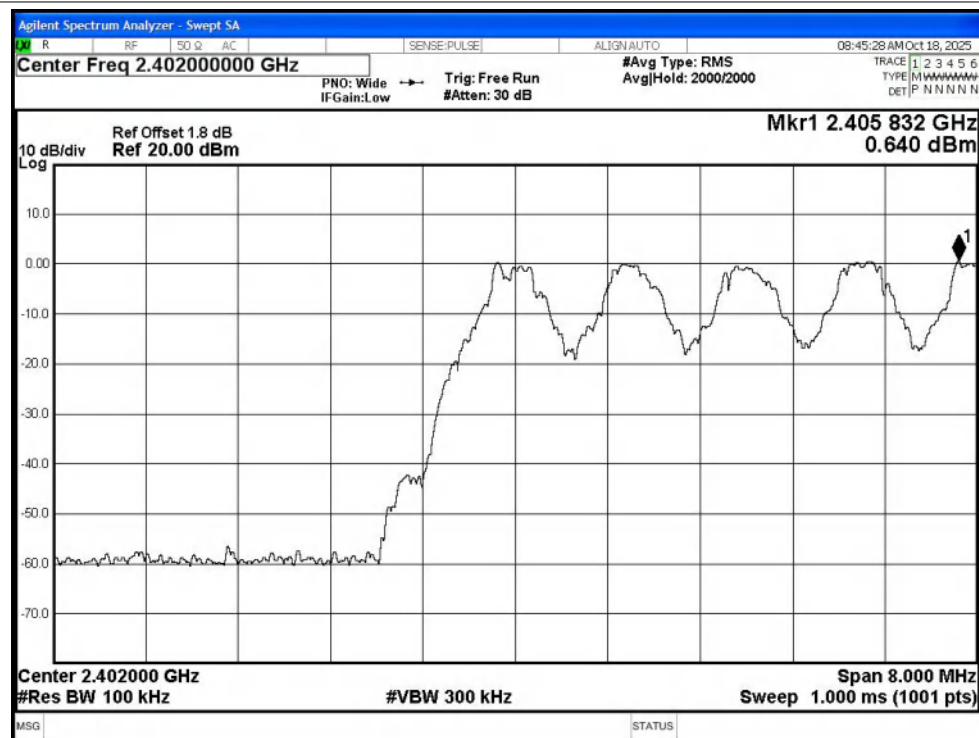


**(Hopping)**

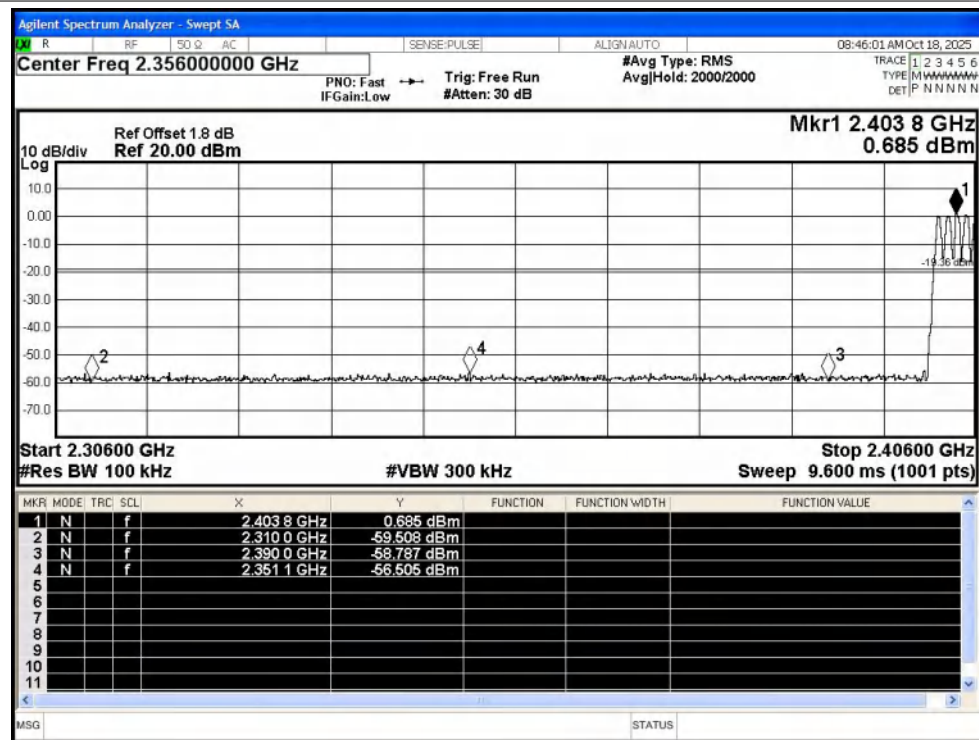
| Condition | Mode  | Frequency (MHz) | Antenna | Hopping Mode | Max Value (dBc) | Limit (dBc) | Verdict |
|-----------|-------|-----------------|---------|--------------|-----------------|-------------|---------|
| NVNT      | 1-DH5 | 2402            | Ant1    | Hopping      | -57.15          | -20         | Pass    |
| NVNT      | 1-DH5 | 2480            | Ant1    | Hopping      | -56.25          | -20         | Pass    |
| NVNT      | 2-DH5 | 2402            | Ant1    | Hopping      | -53.48          | -20         | Pass    |
| NVNT      | 2-DH5 | 2480            | Ant1    | Hopping      | -54.51          | -20         | Pass    |
| NVNT      | 3-DH5 | 2402            | Ant1    | Hopping      | -54.8           | -20         | Pass    |
| NVNT      | 3-DH5 | 2480            | Ant1    | Hopping      | -55.31          | -20         | Pass    |

## Test Graphs

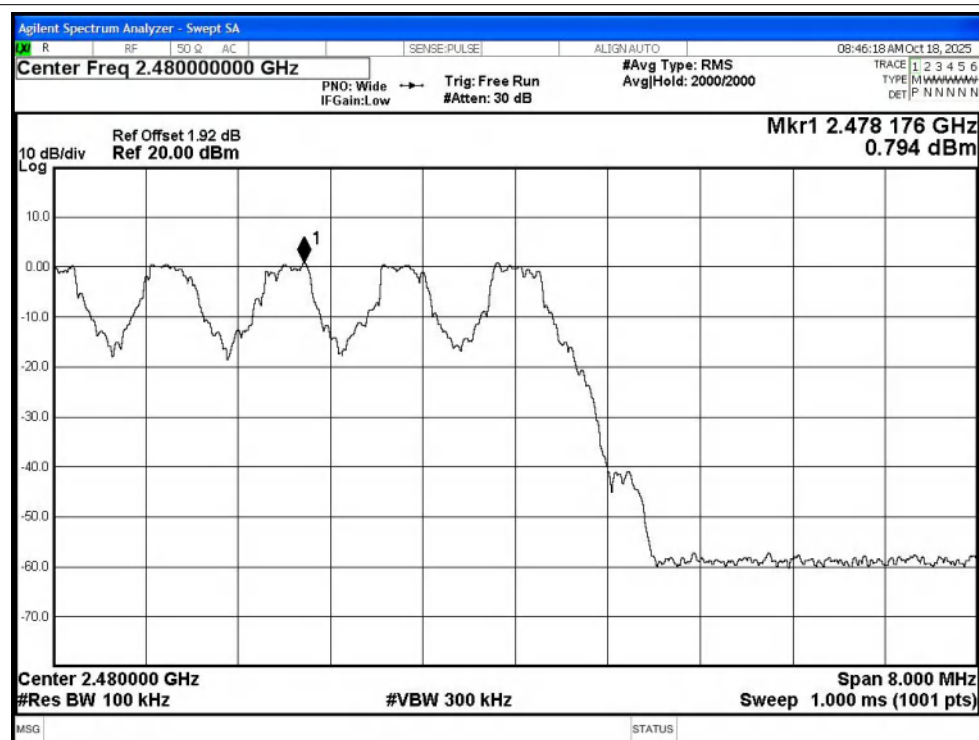
Band Edge(Hopping) NVNT 1-DH5 2402MHz Ant1 Hopping Ref



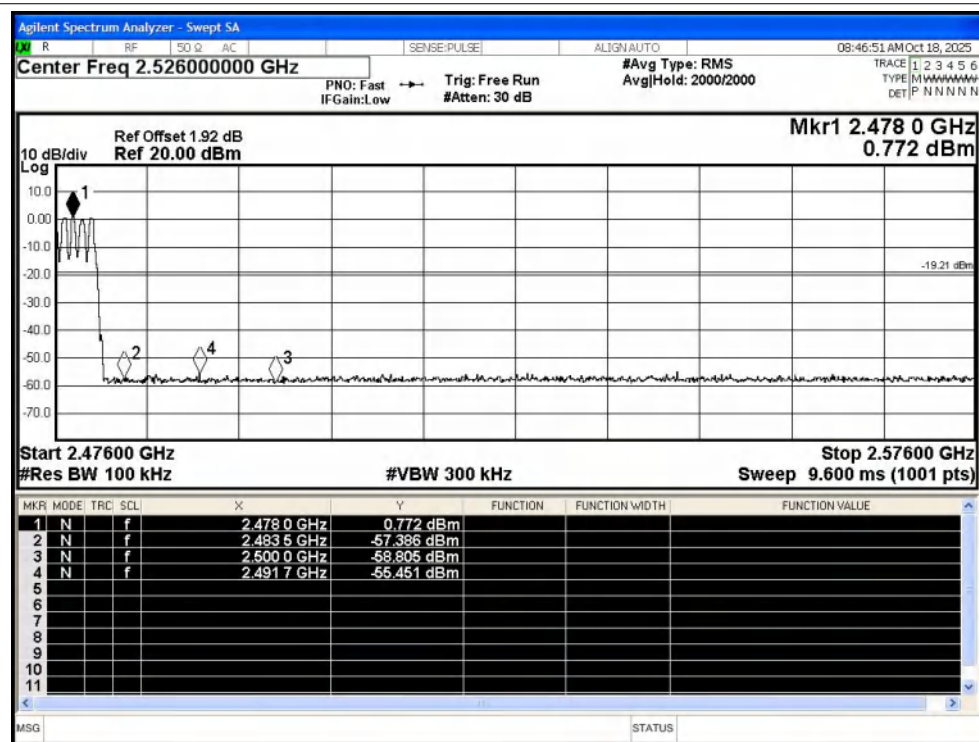
Band Edge(Hopping) NVNT 1-DH5 2402MHz Ant1 Hopping Emission



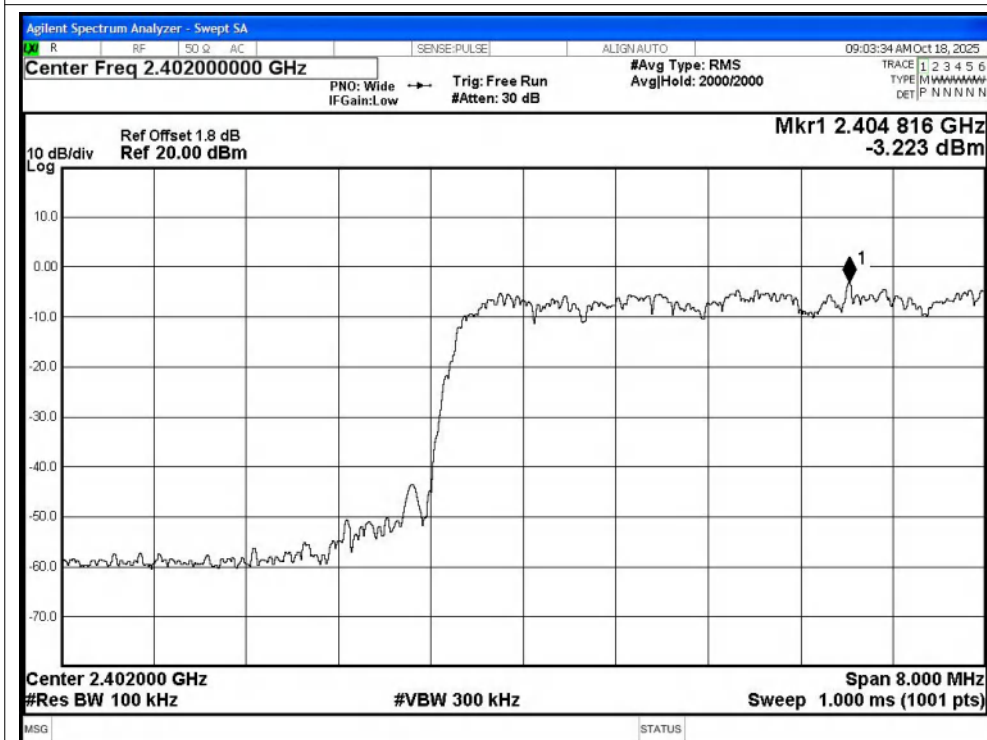
## Band Edge(Hopping) NVNT 1-DH5 2480MHz Ant1 Hopping Ref



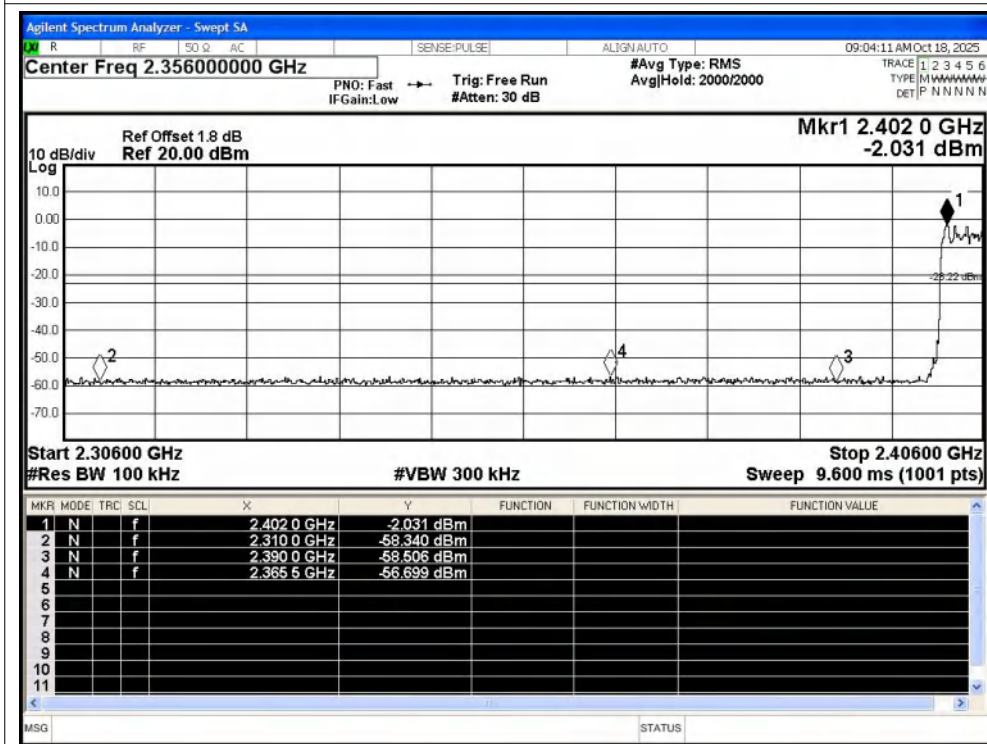
## Band Edge(Hopping) NVNT 1-DH5 2480MHz Ant1 Hopping Emission

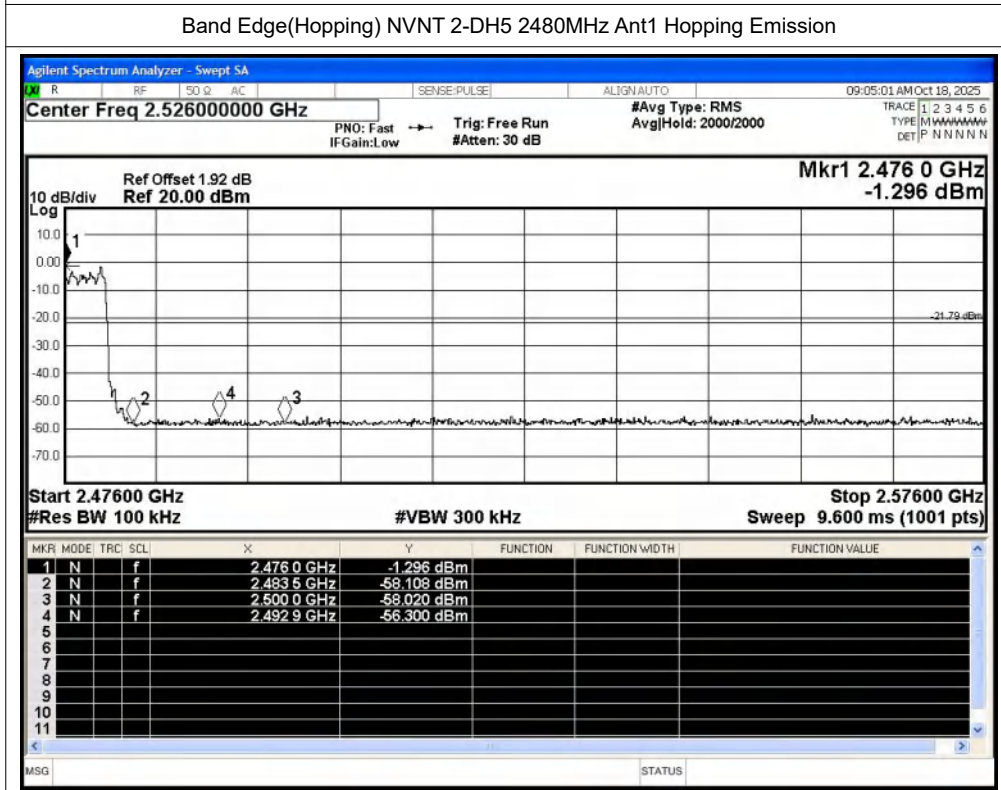


## Band Edge(Hopping) NVNT 2-DH5 2402MHz Ant1 Hopping Ref

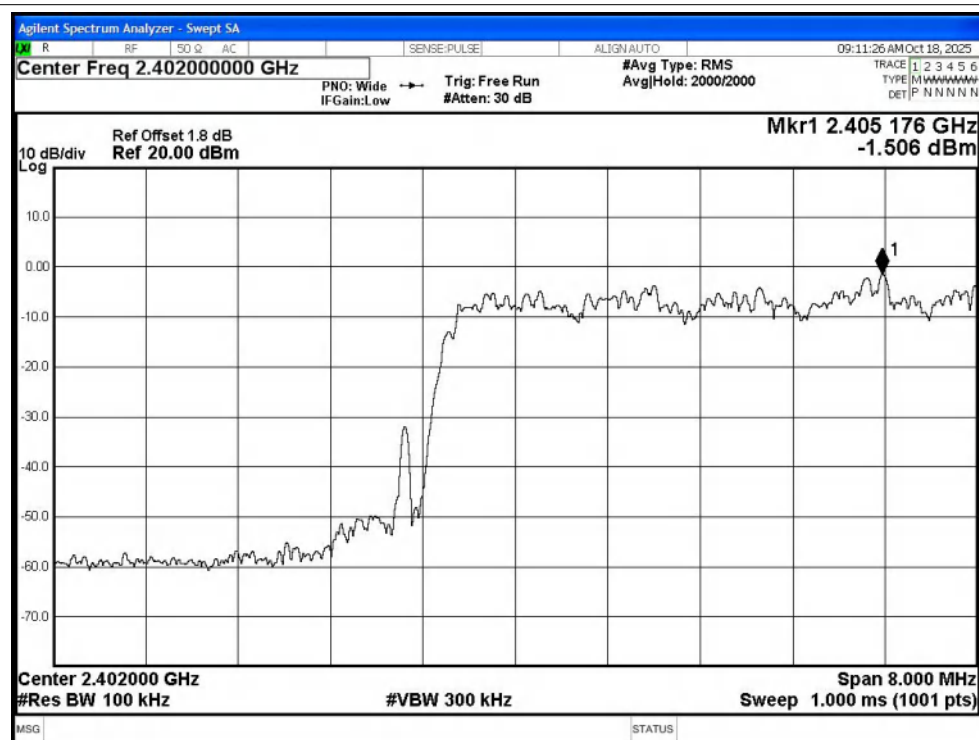


## Band Edge(Hopping) NVNT 2-DH5 2402MHz Ant1 Hopping Emission

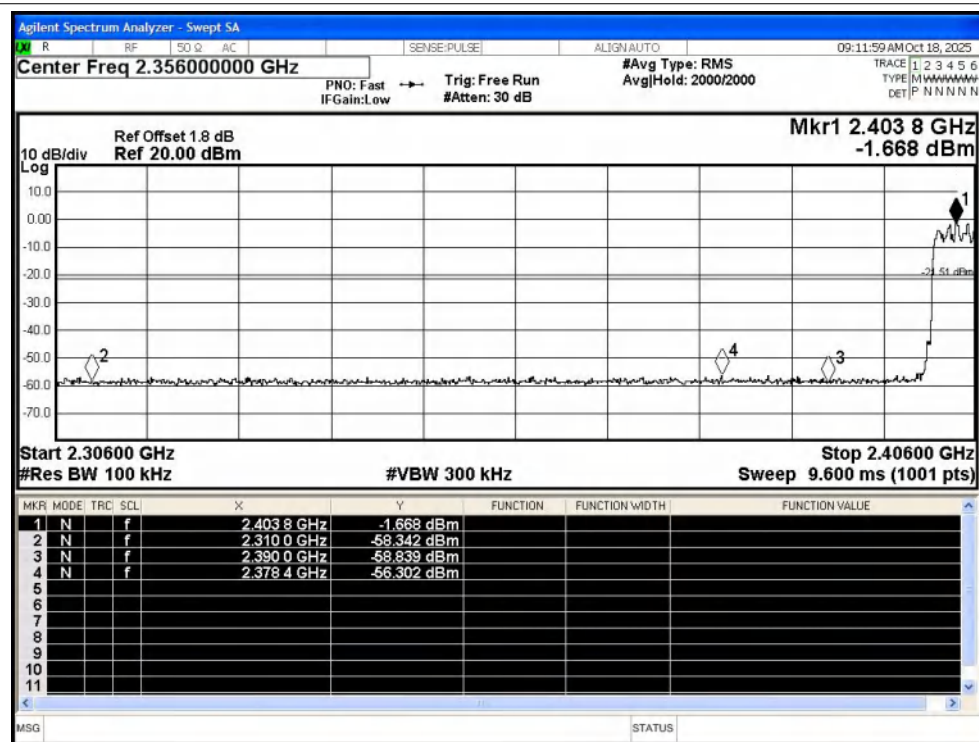




## Band Edge(Hopping) NVNT 3-DH5 2402MHz Ant1 Hopping Ref



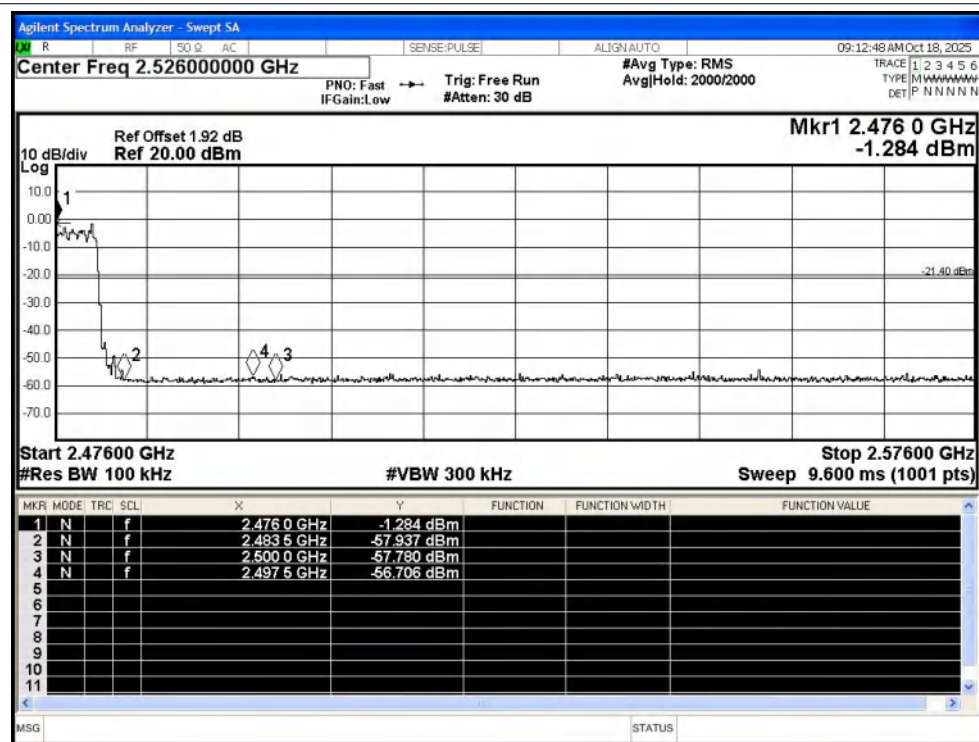
## Band Edge(Hopping) NVNT 3-DH5 2402MHz Ant1 Hopping Emission



## Band Edge(Hopping) NVNT 3-DH5 2480MHz Ant1 Hopping Ref



## Band Edge(Hopping) NVNT 3-DH5 2480MHz Ant1 Hopping Emission

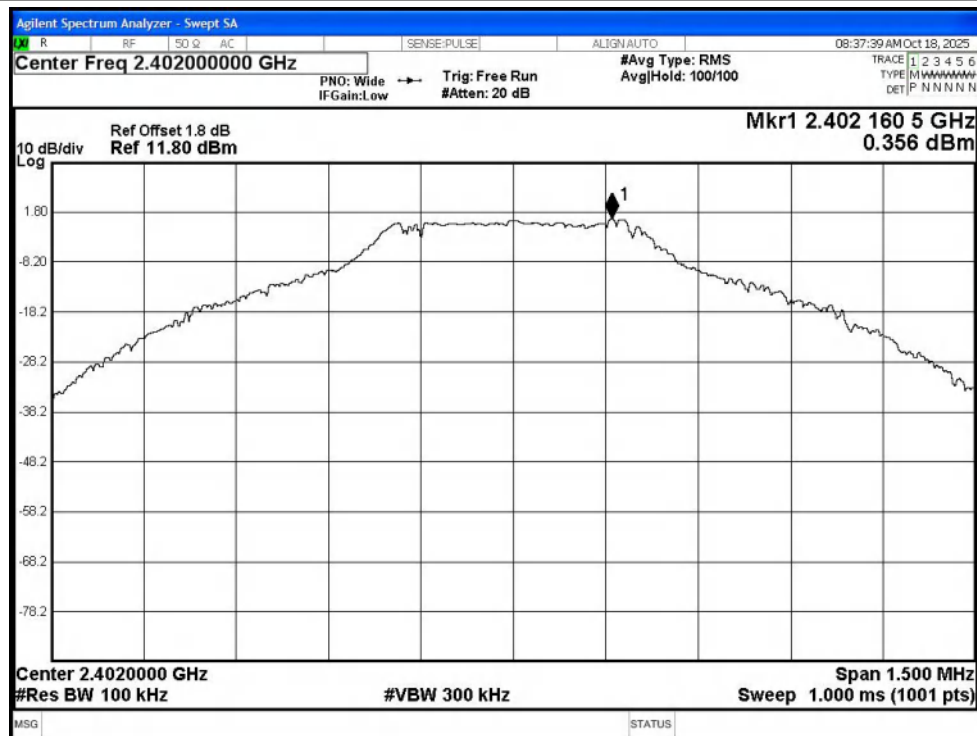


## 7. Conducted RF Spurious Emission

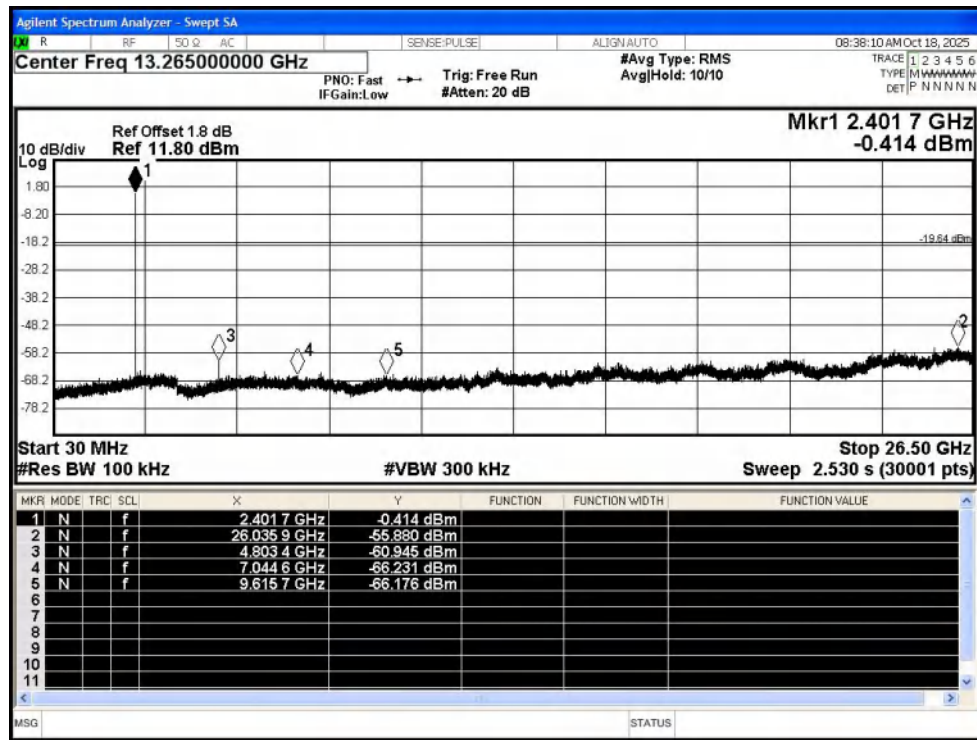
| Condition | Mode  | Frequency (MHz) | Antenna | Max Value (dBc) | Limit (dBc) | Verdict |
|-----------|-------|-----------------|---------|-----------------|-------------|---------|
| NVNT      | 1-DH5 | 2402            | Ant1    | -56.24          | -20         | Pass    |
| NVNT      | 1-DH5 | 2441            | Ant1    | -56.78          | -20         | Pass    |
| NVNT      | 1-DH5 | 2480            | Ant1    | -55.81          | -20         | Pass    |
| NVNT      | 2-DH5 | 2402            | Ant1    | -52.8           | -20         | Pass    |
| NVNT      | 2-DH5 | 2441            | Ant1    | -52.89          | -20         | Pass    |
| NVNT      | 2-DH5 | 2480            | Ant1    | -53.88          | -20         | Pass    |
| NVNT      | 3-DH5 | 2402            | Ant1    | -53.16          | -20         | Pass    |
| NVNT      | 3-DH5 | 2441            | Ant1    | -54.65          | -20         | Pass    |
| NVNT      | 3-DH5 | 2480            | Ant1    | -54.44          | -20         | Pass    |

## Test Graphs

Tx. Spurious NVNT 1-DH5 2402MHz Ant1 Ref



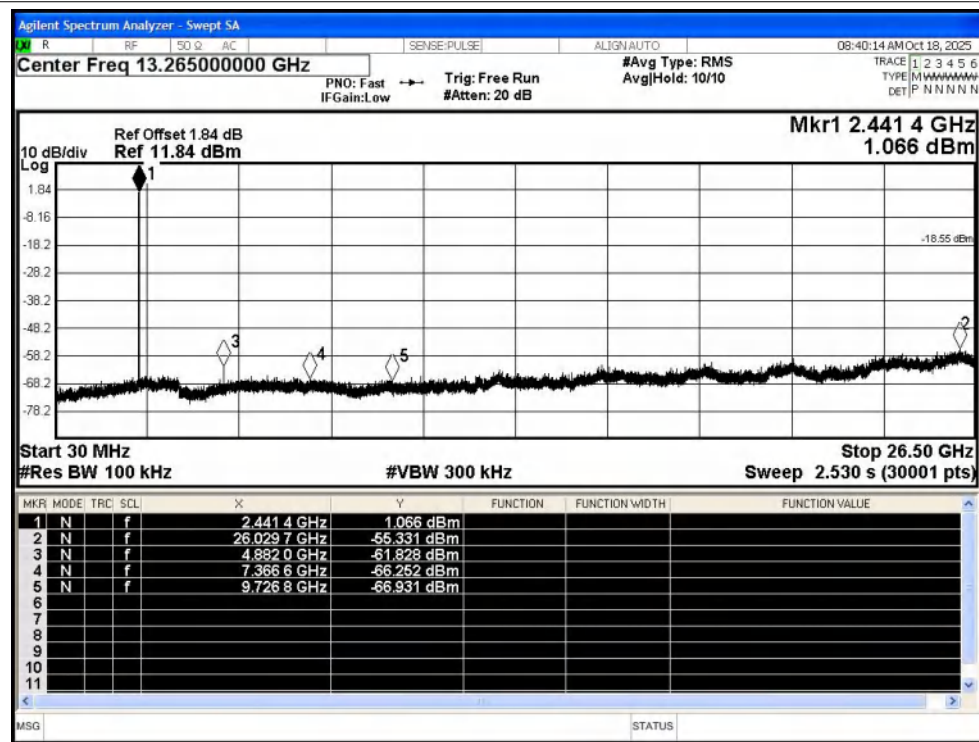
Tx. Spurious NVNT 1-DH5 2402MHz Ant1 Emission



## Tx. Spurious NVNT 1-DH5 2441MHz Ant1 Ref

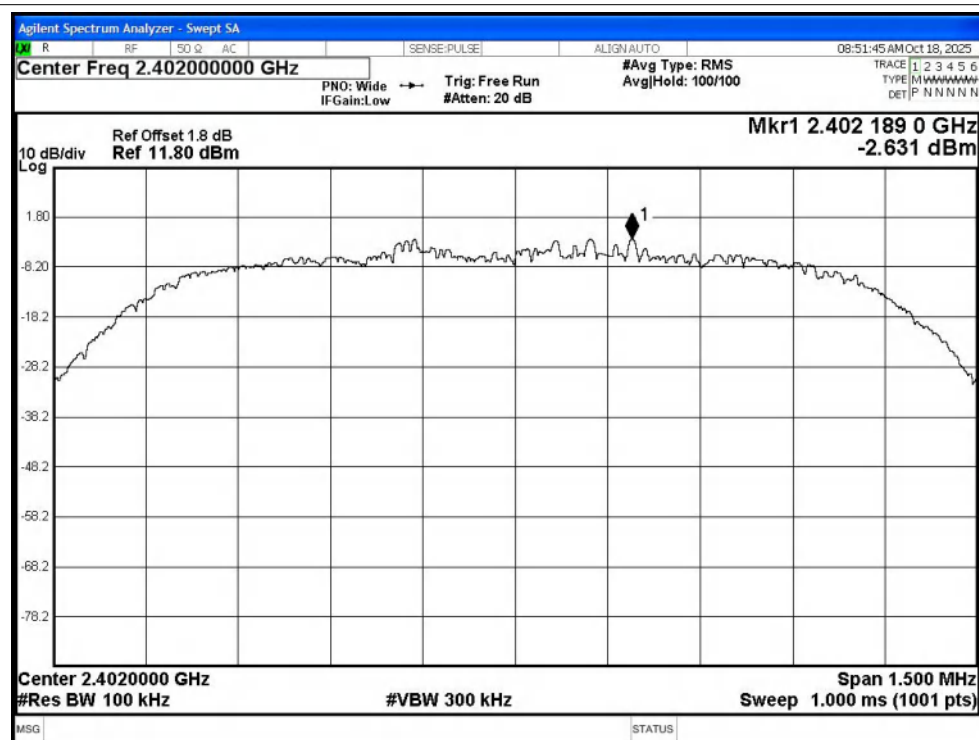


## Tx. Spurious NVNT 1-DH5 2441MHz Ant1 Emission

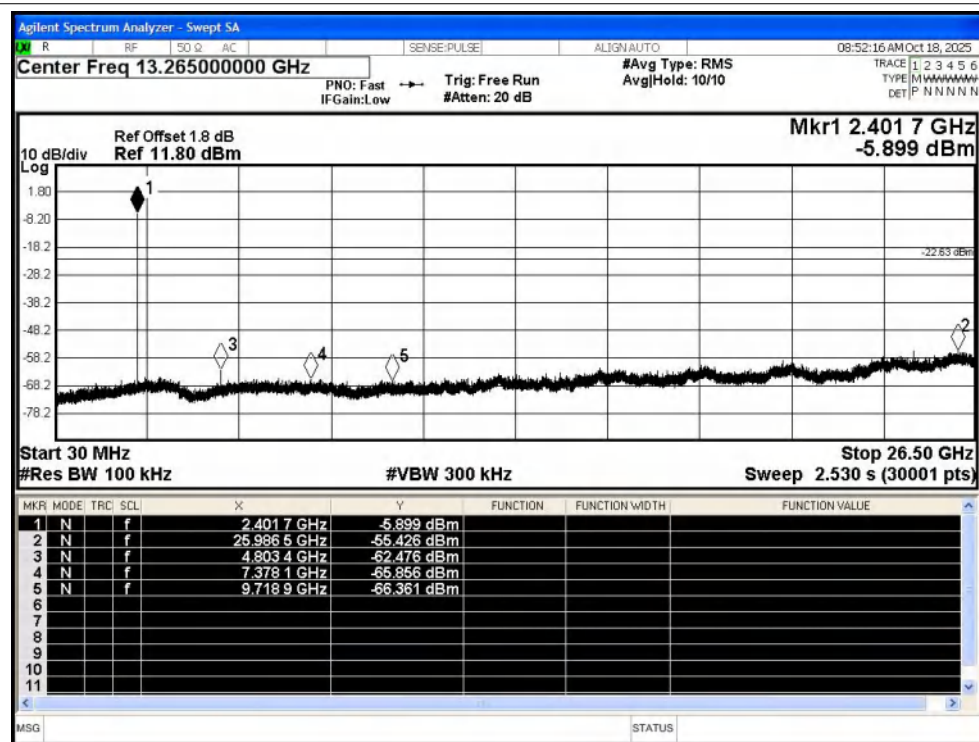




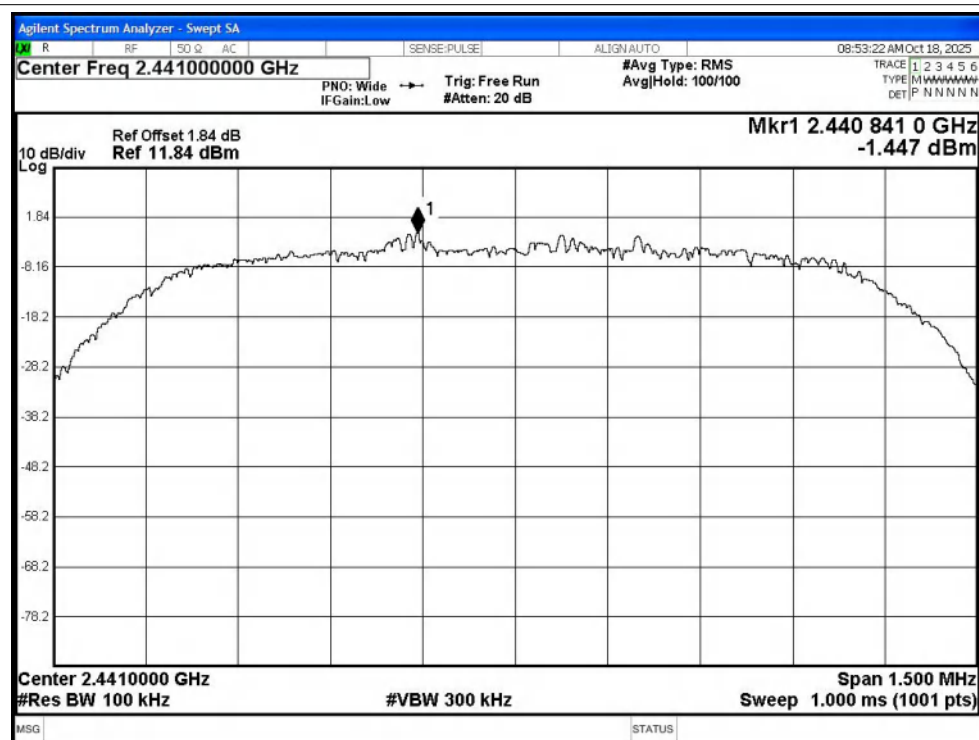
Tx. Spurious NVNT 2-DH5 2402MHz Ant1 Ref



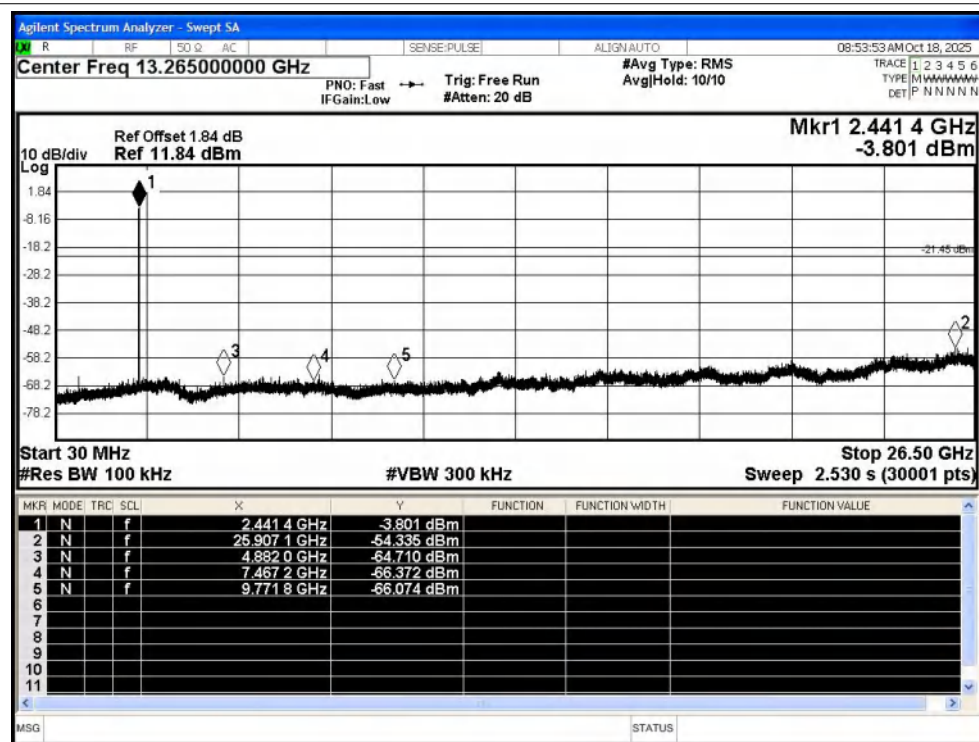
Tx. Spurious NVNT 2-DH5 2402MHz Ant1 Emission



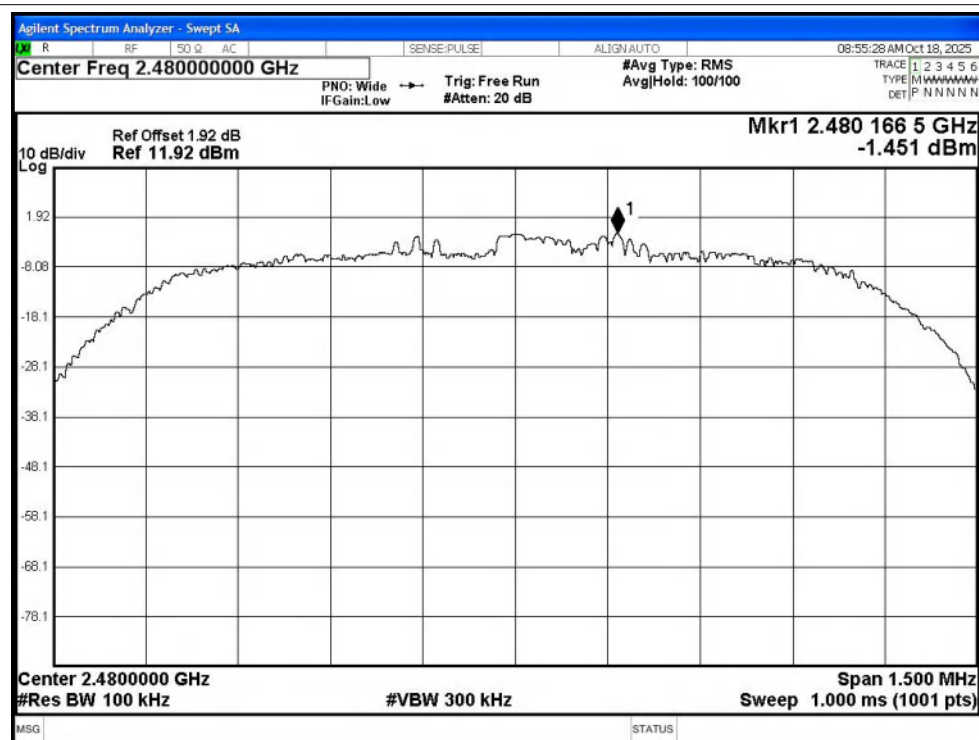
## Tx. Spurious NVNT 2-DH5 2441MHz Ant1 Ref



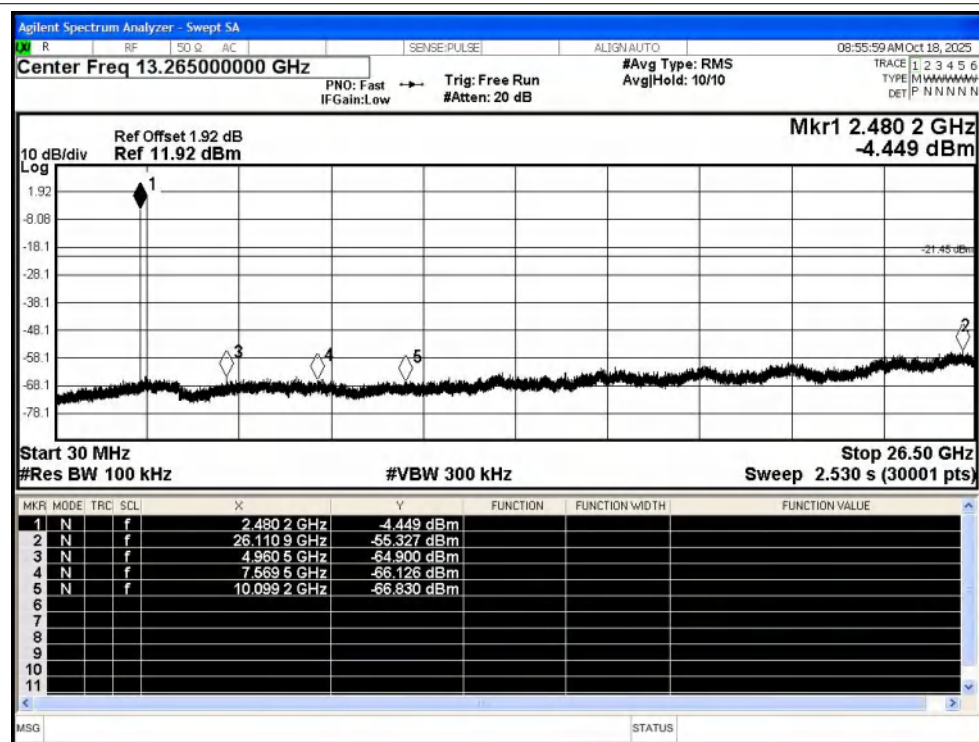
## Tx. Spurious NVNT 2-DH5 2441MHz Ant1 Emission

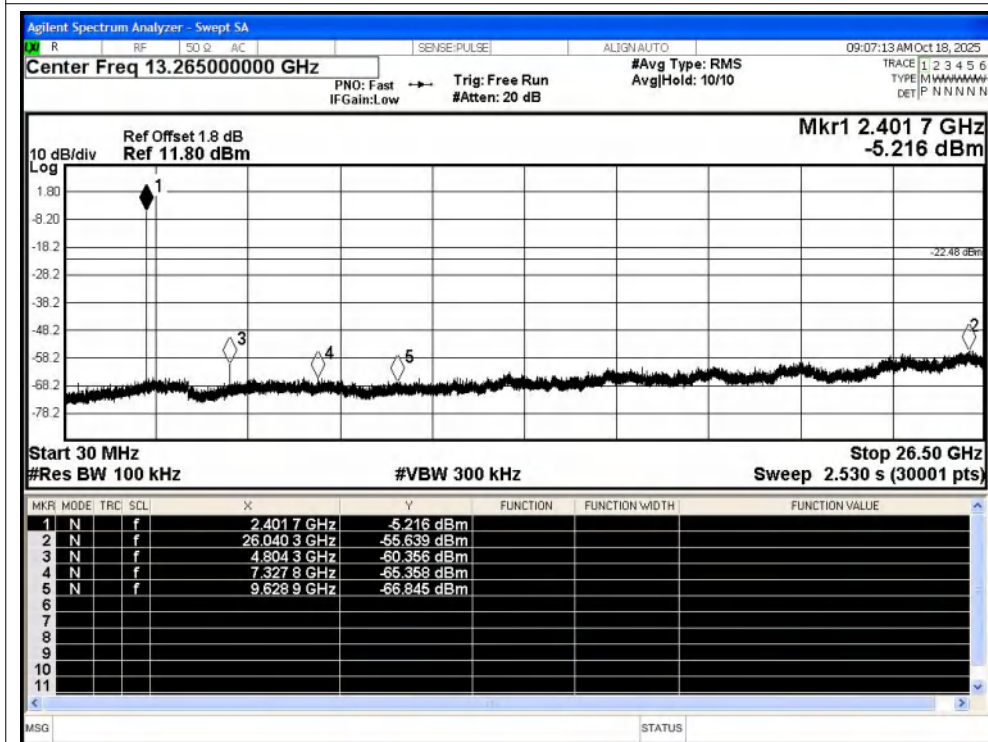


## Tx. Spurious NVNT 2-DH5 2480MHz Ant1 Ref

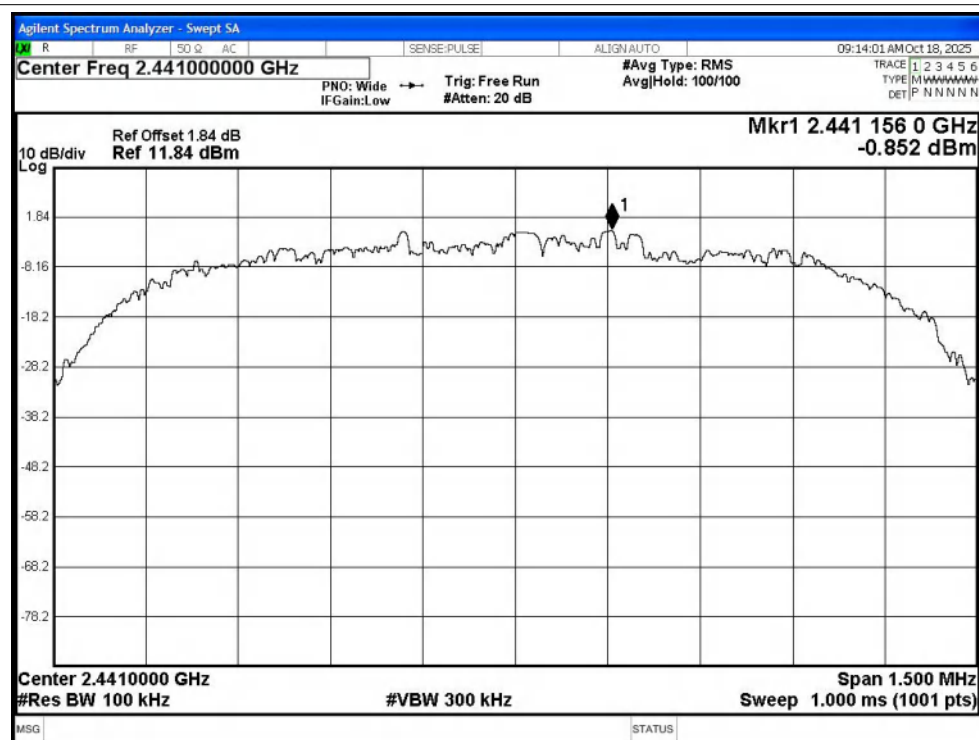


## Tx. Spurious NVNT 2-DH5 2480MHz Ant1 Emission

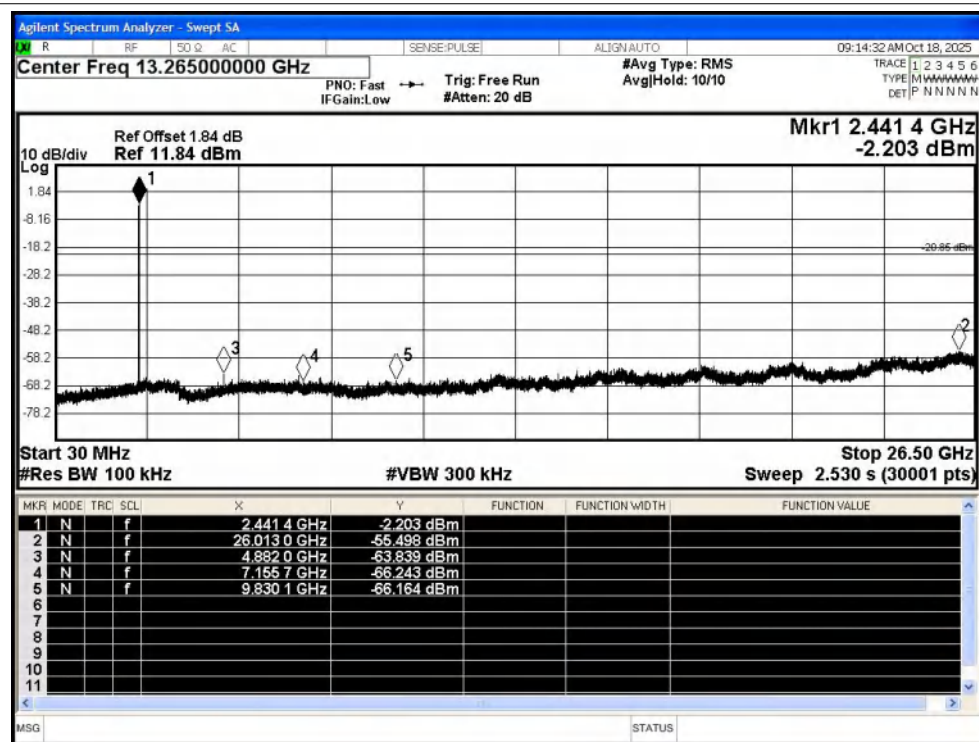




## Tx. Spurious NVNT 3-DH5 2441MHz Ant1 Ref



## Tx. Spurious NVNT 3-DH5 2441MHz Ant1 Emission

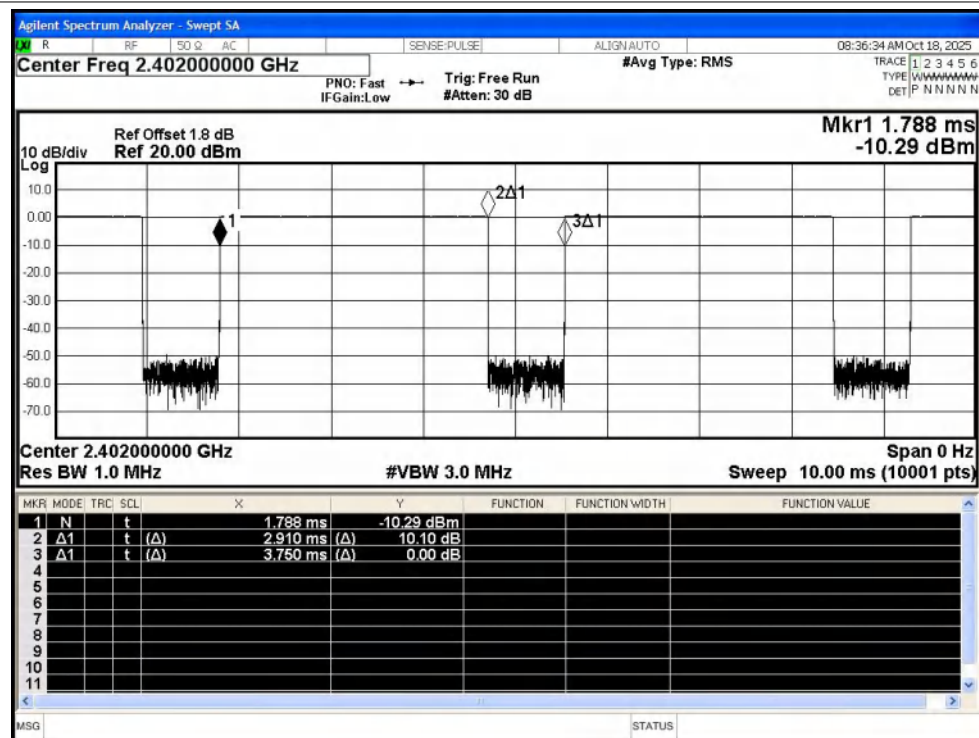




## 8. Duty Cycle

| Condition | Mode  | Frequency (MHz) | Antenna | Duty Cycle (%) | Correction Factor (dB) | 1/T (kHz) |
|-----------|-------|-----------------|---------|----------------|------------------------|-----------|
| NVNT      | 1-DH5 | 2402            | Ant1    | 77.6           | 1.1                    | 0.34      |
| NVNT      | 1-DH5 | 2441            | Ant1    | 77.63          | 1.1                    | 0.34      |
| NVNT      | 1-DH5 | 2480            | Ant1    | 77.6           | 1.1                    | 0.34      |
| NVNT      | 2-DH5 | 2402            | Ant1    | 77.33          | 1.12                   | 0.34      |
| NVNT      | 2-DH5 | 2441            | Ant1    | 77.33          | 1.12                   | 0.34      |
| NVNT      | 2-DH5 | 2480            | Ant1    | 77.33          | 1.12                   | 0.34      |
| NVNT      | 3-DH5 | 2402            | Ant1    | 77.28          | 1.12                   | 0.35      |
| NVNT      | 3-DH5 | 2441            | Ant1    | 77.28          | 1.12                   | 0.35      |
| NVNT      | 3-DH5 | 2480            | Ant1    | 77.28          | 1.12                   | 0.35      |

## Duty Cycle NVNT 1-DH5 2402MHz Ant1



Agilent Spectrum Analyzer - Swept SA

X R RF SQ AC SENSE/PULSE ALIGN AUTO #Avg Type: RMS

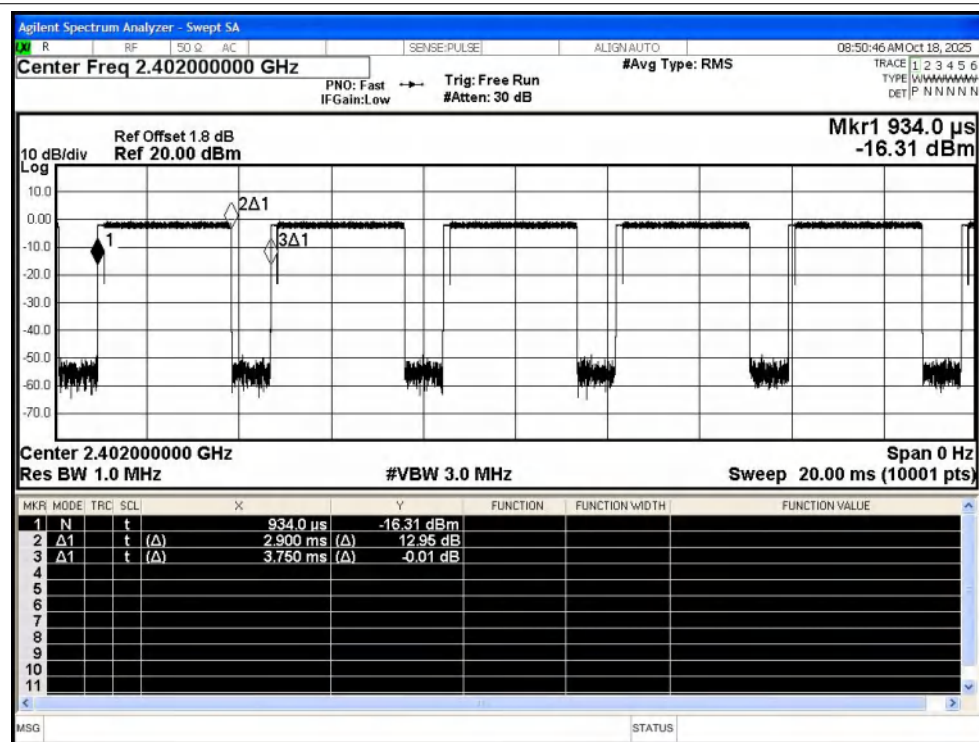
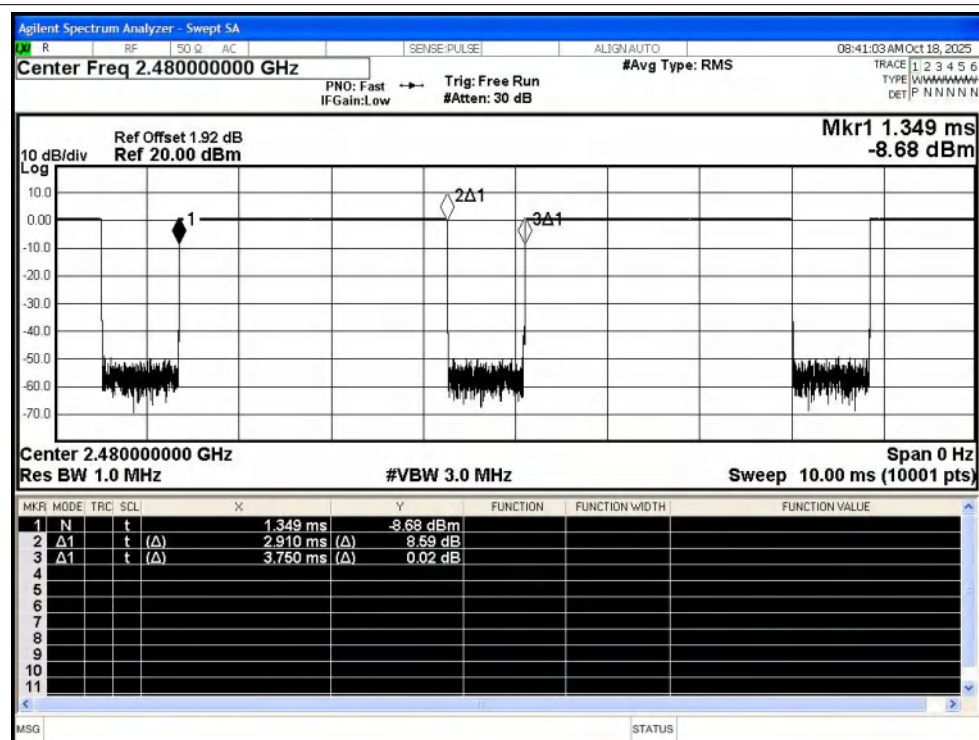
Center Freq 2.44100000 GHz PNO: Fast IFGain: Low Trig: Free Run #Atten: 30 dB

Ref Offset 1.84 dB Ref 20.00 dBm Mkr1 4.073 ms -23.06 dBm

10 dB/div Log

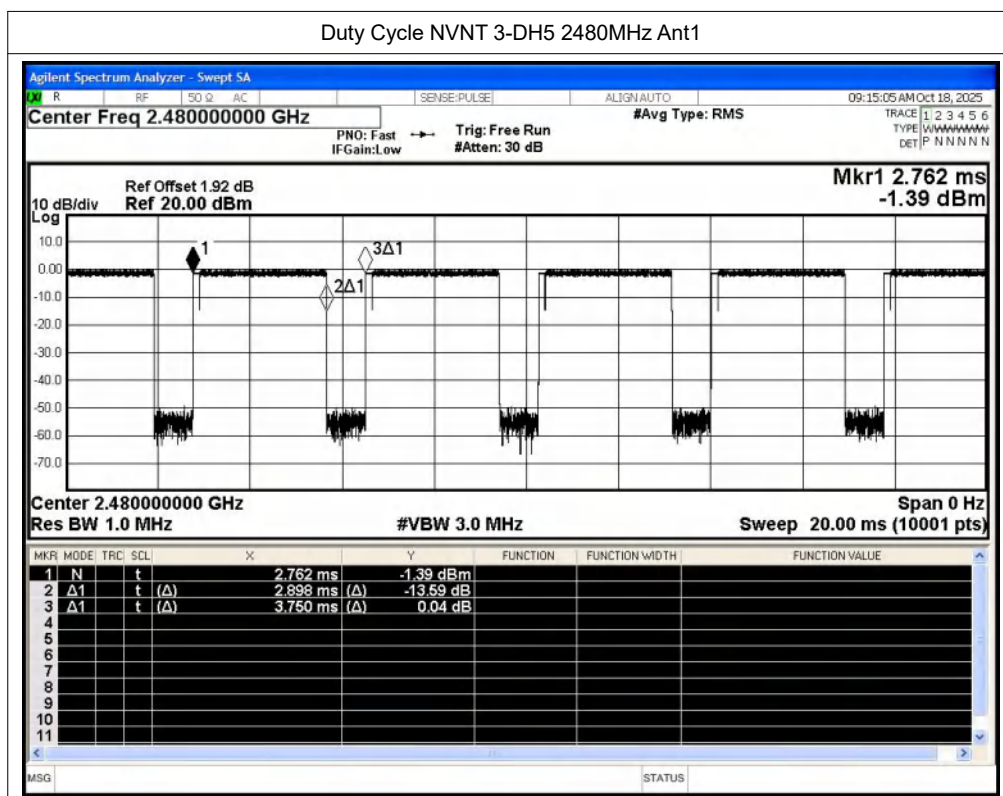
Center 2.44100000 GHz Res BW 1.0 MHz #VBW 3.0 MHz Span 0 Hz Sweep 10.00 ms (10001 pts)

| MKR | MODE | TRG | SCL | X        | Y          | FUNCTION | FUNCTION WIDTH | FUNCTION VALUE |
|-----|------|-----|-----|----------|------------|----------|----------------|----------------|
| 1   | N    | t   | (Δ) | 4.073 ms | -23.06 dBm |          |                |                |
| 2   | Δ1   | t   | (Δ) | 2.911 ms | 16.74 dB   |          |                |                |
| 3   | Δ1   | t   | (Δ) | 3.750 ms | -0.15 dB   |          |                |                |



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[illegible][illegible]

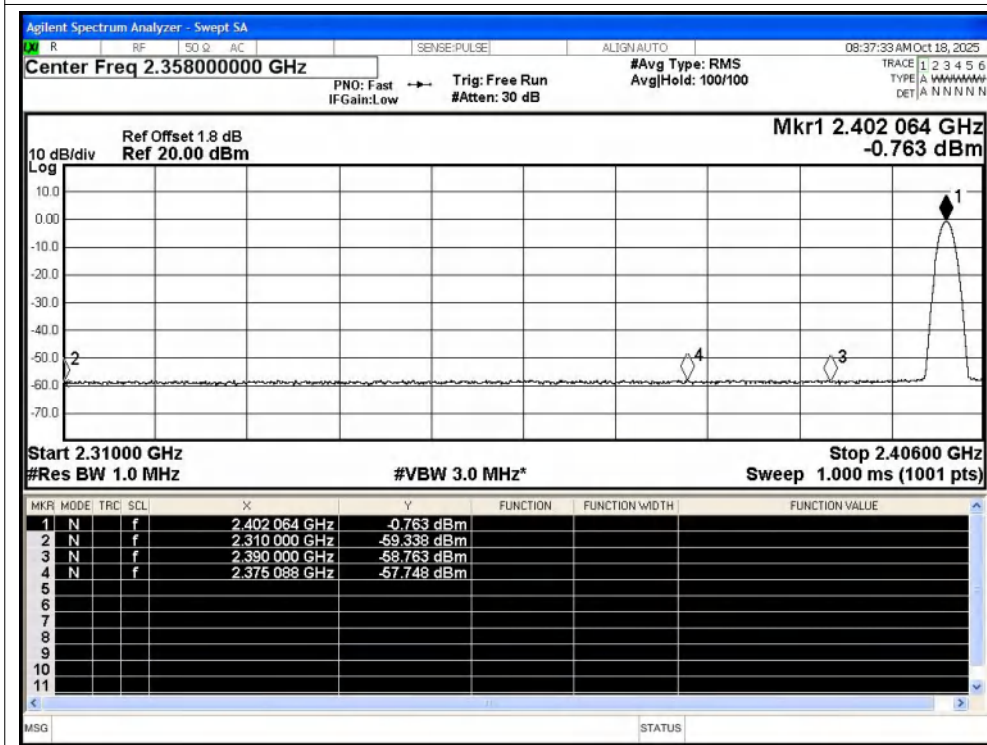
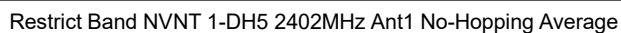


## 9. Restrict Band

| Condition | Mode  | Frequency (MHz) | Antenna | Hopping Mode | Spur Freq (MHz) | Power (dBm) | Gain (dBi) | Duty Factor (dB) | E (dBuV/m) | Detector | Limit (dBuV/m) | Verdict |
|-----------|-------|-----------------|---------|--------------|-----------------|-------------|------------|------------------|------------|----------|----------------|---------|
| NVNT      | 1-DH5 | 2402            | Ant1    | No-Hopping   | 2310            | -50.51      | 4.91       | -                | 49.66      | Peak     | 74             | Pass    |
| NVNT      | 1-DH5 | 2402            | Ant1    | No-Hopping   | 2310            | -59.34      | 4.91       | 1.1              | 41.93      | Average  | 54             | Pass    |
| NVNT      | 1-DH5 | 2402            | Ant1    | No-Hopping   | 2370.672        | -47.51      | 4.91       | -                | 52.66      | Peak     | 74             | Pass    |
| NVNT      | 1-DH5 | 2402            | Ant1    | No-Hopping   | 2375.088        | -57.75      | 4.91       | 1.1              | 43.52      | Average  | 54             | Pass    |
| NVNT      | 1-DH5 | 2402            | Ant1    | No-Hopping   | 2390            | -52.01      | 4.91       | -                | 48.16      | Peak     | 74             | Pass    |
| NVNT      | 1-DH5 | 2402            | Ant1    | No-Hopping   | 2390            | -58.76      | 4.91       | 1.1              | 42.51      | Average  | 54             | Pass    |
| NVNT      | 1-DH5 | 2480            | Ant1    | No-Hopping   | 2483.5          | -48.84      | 4.91       | -                | 51.33      | Peak     | 74             | Pass    |
| NVNT      | 1-DH5 | 2480            | Ant1    | No-Hopping   | 2483.5          | -57.76      | 4.91       | 1.1              | 43.51      | Average  | 54             | Pass    |
| NVNT      | 1-DH5 | 2480            | Ant1    | No-Hopping   | 2483.752        | -42.22      | 4.91       | -                | 57.95      | Peak     | 74             | Pass    |
| NVNT      | 1-DH5 | 2480            | Ant1    | No-Hopping   | 2483.728        | -57.26      | 4.91       | 1.1              | 44.01      | Average  | 54             | Pass    |
| NVNT      | 1-DH5 | 2480            | Ant1    | No-Hopping   | 2500            | -52.07      | 4.91       | -                | 48.10      | Peak     | 74             | Pass    |
| NVNT      | 1-DH5 | 2480            | Ant1    | No-Hopping   | 2500            | -58.53      | 4.91       | 1.1              | 42.74      | Average  | 54             | Pass    |
| NVNT      | 2-DH5 | 2402            | Ant1    | No-Hopping   | 2310            | -50.99      | 4.91       | -                | 49.18      | Peak     | 74             | Pass    |
| NVNT      | 2-DH5 | 2402            | Ant1    | No-Hopping   | 2310            | -58.81      | 4.91       | 1.12             | 42.48      | Average  | 54             | Pass    |
| NVNT      | 2-DH5 | 2402            | Ant1    | No-Hopping   | 2316.24         | -47.37      | 4.91       | -                | 52.80      | Peak     | 74             | Pass    |
| NVNT      | 2-DH5 | 2402            | Ant1    | No-Hopping   | 2351.472        | -57.85      | 4.91       | 1.12             | 43.44      | Average  | 54             | Pass    |
| NVNT      | 2-DH5 | 2402            | Ant1    | No-Hopping   | 2390            | -49.54      | 4.91       | -                | 50.63      | Peak     | 74             | Pass    |
| NVNT      | 2-DH5 | 2402            | Ant1    | No-Hopping   | 2390            | -59.39      | 4.91       | 1.12             | 41.90      | Average  | 54             | Pass    |
| NVNT      | 2-DH5 | 2480            | Ant1    | No-Hopping   | 2483.5          | -46.88      | 4.91       | -                | 53.29      | Peak     | 74             | Pass    |
| NVNT      | 2-DH5 | 2480            | Ant1    | No-Hopping   | 2483.5          | -56.51      | 4.91       | 1.12             | 44.78      | Average  | 54             | Pass    |
| NVNT      | 2-DH5 | 2480            | Ant1    | No-Hopping   | 2485.456        | -44.43      | 4.91       | -                | 55.74      | Peak     | 74             | Pass    |
| NVNT      | 2-DH5 | 2480            | Ant1    | No-Hopping   | 2483.512        | -56.51      | 4.91       | 1.12             | 44.78      | Average  | 54             | Pass    |
| NVNT      | 2-DH5 | 2480            | Ant1    | No-Hopping   | 2500            | -50.81      | 4.91       | -                | 49.36      | Peak     | 74             | Pass    |
| NVNT      | 2-DH5 | 2480            | Ant1    | No-Hopping   | 2500            | -58.83      | 4.91       | 1.12             | 42.46      | Average  | 54             | Pass    |
| NVNT      | 3-DH5 | 2402            | Ant1    | No-Hopping   | 2310            | -51.34      | 4.91       | -                | 48.83      | Peak     | 74             | Pass    |
| NVNT      | 3-DH5 | 2402            | Ant1    | No-Hopping   | 2310            | -58.72      | 4.91       | 1.12             | 42.57      | Average  | 54             | Pass    |
| NVNT      | 3-DH5 | 2402            | Ant1    | No-Hopping   | 2376.816        | -47.35      | 4.91       | -                | 52.82      | Peak     | 74             | Pass    |
| NVNT      | 3-DH5 | 2402            | Ant1    | No-Hopping   | 2382.288        | -57.75      | 4.91       | 1.12             | 43.54      | Average  | 54             | Pass    |
| NVNT      | 3-DH5 | 2402            | Ant1    | No-Hopping   | 2390            | -50.66      | 4.91       | -                | 49.51      | Peak     | 74             | Pass    |
| NVNT      | 3-DH5 | 2402            | Ant1    | No-Hopping   | 2390            | -58.57      | 4.91       | 1.12             | 42.72      | Average  | 54             | Pass    |
| NVNT      | 3-DH5 | 2480            | Ant1    | No-Hopping   | 2483.5          | -44.7       | 4.91       | -                | 55.47      | Peak     | 74             | Pass    |
| NVNT      | 3-DH5 | 2480            | Ant1    | No-Hopping   | 2483.5          | -56.84      | 4.91       | 1.12             | 44.45      | Average  | 54             | Pass    |
| NVNT      | 3-DH5 | 2480            | Ant1    | No-Hopping   | 2483.584        | -43.92      | 4.91       | -                | 56.25      | Peak     | 74             | Pass    |
| NVNT      | 3-DH5 | 2480            | Ant1    | No-Hopping   | 2483.608        | -56.52      | 4.91       | 1.12             | 44.77      | Average  | 54             | Pass    |
| NVNT      | 3-DH5 | 2480            | Ant1    | No-Hopping   | 2500            | -51.32      | 4.91       | -                | 48.85      | Peak     | 74             | Pass    |
| NVNT      | 3-DH5 | 2480            | Ant1    | No-Hopping   | 2500            | -58.13      | 4.91       | 1.12             | 43.16      | Average  | 54             | Pass    |

Test Graphs

Restrict Band NVNT 1-DH5 2402MHz Ant1 No-Hopping Peak



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Center Freq 2.488000000 GHz

Ref Offset 1.92 dB  
Ref 20.00 dBm

Mkr1 2.479 864 GHz  
0.936 dBm

Start 2.47600 GHz  
#Res BW 1.0 MHz

Stop 2.50000 GHz  
Sweep 1.000 ms (1001 pts)

#VBW 3.0 MHz

Trig: Free Run  
#Atten: 30 dB

#Avg Type: RMS  
Avg|Hold: 100/100

PN0: Fast IF Gain: Low

08:42:02 AM Oct 18, 2025

TRACE 1 2 3 4 5 6  
TYPE M W W W W W W W  
DET P N N N N N N

| MKR | MODE | TRC | SCL | X             | Y           | FUNCTION | FUNCTION WIDTH | FUNCTION VALUE |
|-----|------|-----|-----|---------------|-------------|----------|----------------|----------------|
| 1   | N    |     | f   | 2.479 864 GHz | 0.936 dBm   |          |                |                |
| 2   | N    |     | f   | 2.483 500 GHz | -48.835 dBm |          |                |                |
| 3   | N    |     | f   | 2.500 000 GHz | -52.067 dBm |          |                |                |
| 4   | N    |     | f   | 2.483 752 GHz | -42.224 dBm |          |                |                |

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[illegible][illegible]

[illegible][illegible]

[illegible]

Agilent Spectrum Analyzer - Sweep SA

R RF SQ AC SENSE-PULSE ALIGN AUTO 09:06:36 AM Oct 18, 2025

Center Freq 2.358000000 GHz

PNO: Fast IF Gain: Low Trig: Free Run #Atten: 30 dB

#Avg Type: RMS Avg/Hold: 100/100

TRACE 1 2 3 4 5 6  
TYPE A W W W W W W W  
DET A N N N N N N

Ref Offset 1.8 dB  
Ref 20.00 dBm

Mkr1 2.402 160 GHz  
-4.548 dBm

10 dB/div  
Log

Start 2.31000 GHz  
#Res BW 1.0 MHz

#VBW 3.0 MHz\*

Stop 2.40600 GHz  
Sweep 1.000 ms (1001 pts)

| MRK | MODE | TRC | SCL | X             | Y           | FUNCTION | FUNCTION WIDTH | FUNCTION VALUE |
|-----|------|-----|-----|---------------|-------------|----------|----------------|----------------|
| 1   | N    |     | f   | 2.402 160 GHz | -4.548 dBm  |          |                |                |
| 2   | N    |     | f   | 2.310 000 GHz | -58.718 dBm |          |                |                |
| 3   | N    |     | f   | 2.390 000 GHz | -58.568 dBm |          |                |                |
| 4   | N    |     | f   | 2.382 288 GHz | -57.754 dBm |          |                |                |
| 5   |      |     |     |               |             |          |                |                |
| 6   |      |     |     |               |             |          |                |                |
| 7   |      |     |     |               |             |          |                |                |
| 8   |      |     |     |               |             |          |                |                |
| 9   |      |     |     |               |             |          |                |                |
| 10  |      |     |     |               |             |          |                |                |
| 11  |      |     |     |               |             |          |                |                |

MSG

FUNCTION

