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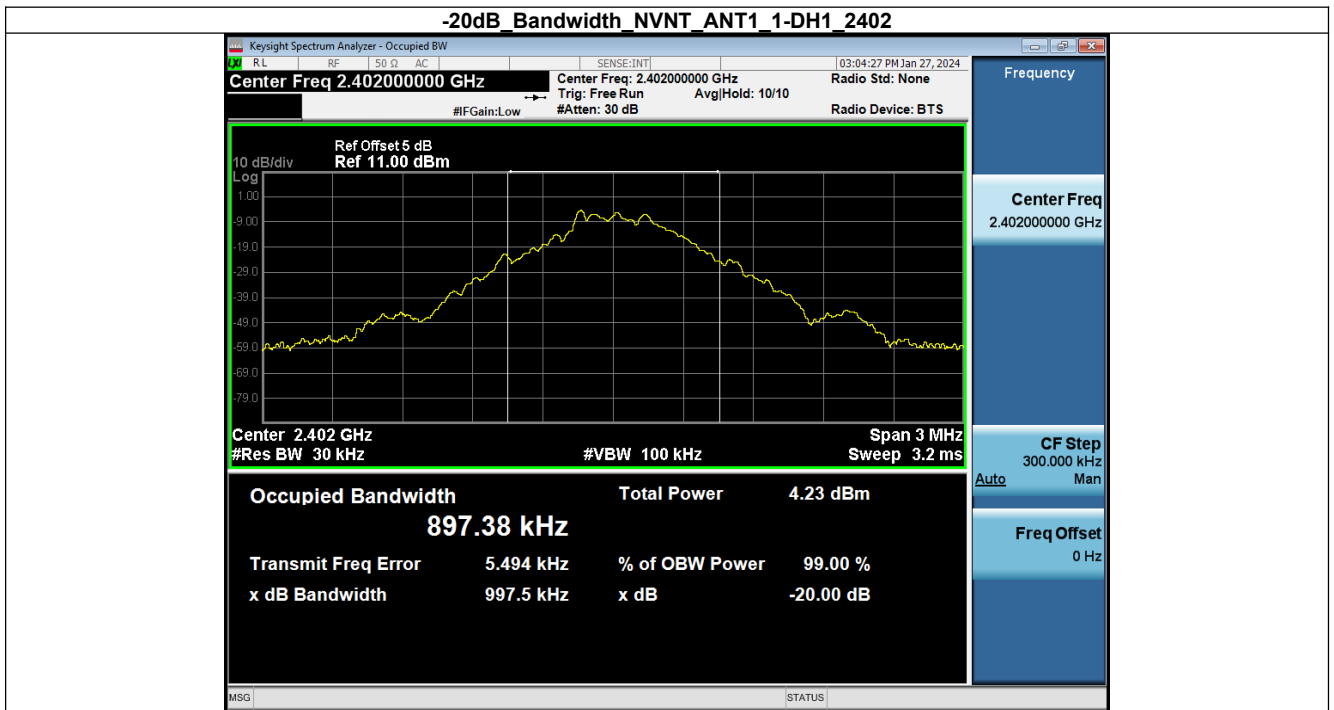
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# FCC ID:2BEQR-K-29

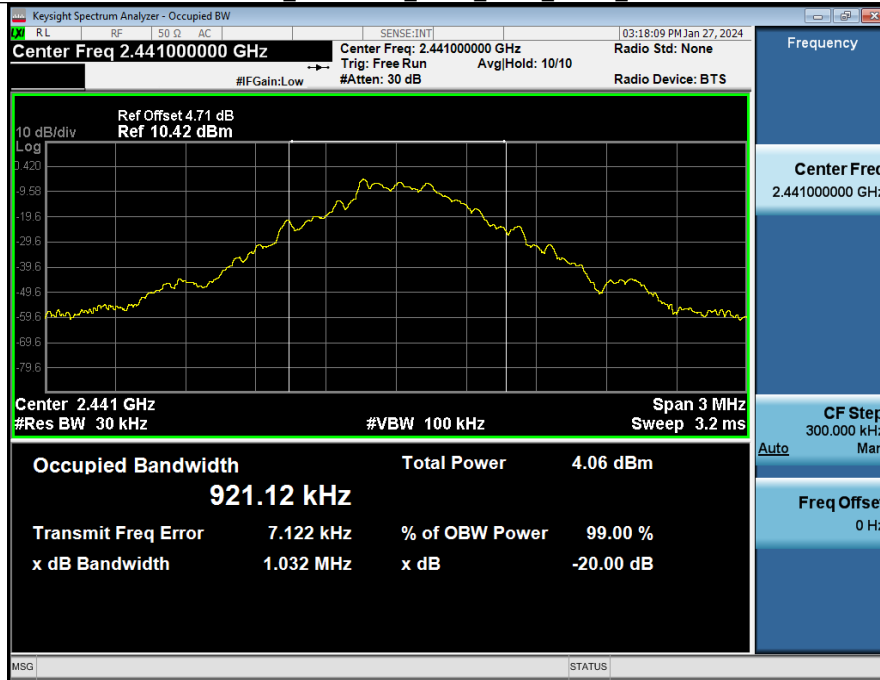
## FCC\_BT (Part15.247) Test Data

### 1. -20dB Bandwidth

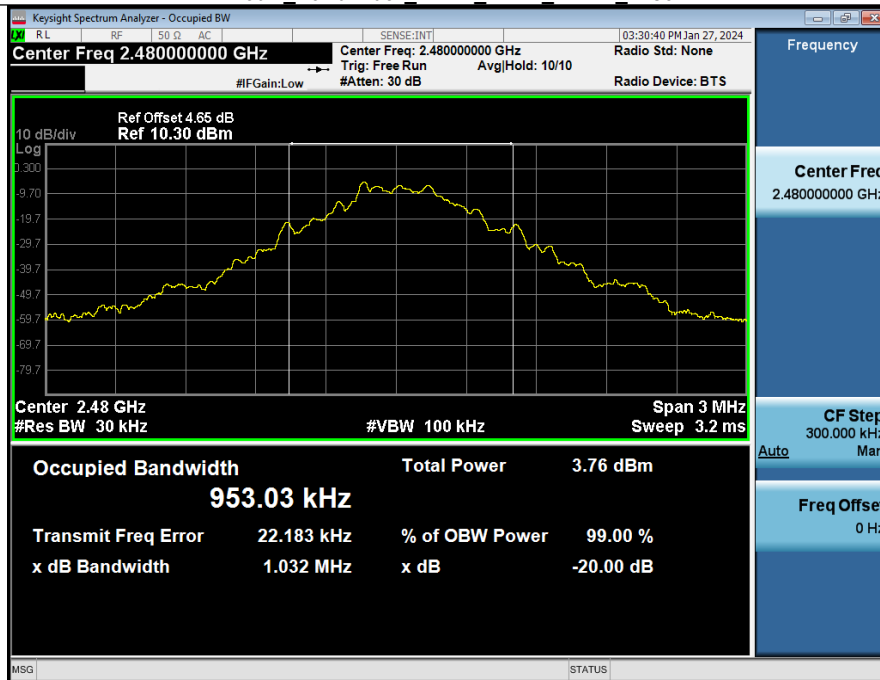
| Condition | Antenna | Modulation | Frequency (MHz) | -20dB BW(MHz) | if larger than CFS |
|-----------|---------|------------|-----------------|---------------|--------------------|
| NVNT      | ANT1    | 1-DH1      | 2402.00         | 0.997         | No                 |
| NVNT      | ANT1    | 1-DH1      | 2441.00         | 1.032         | Yes                |
| NVNT      | ANT1    | 1-DH1      | 2480.00         | 1.032         | Yes                |
| NVNT      | ANT1    | 2-DH1      | 2402.00         | 1.294         | Yes                |
| NVNT      | ANT1    | 2-DH1      | 2441.00         | 1.289         | Yes                |
| NVNT      | ANT1    | 2-DH1      | 2480.00         | 1.286         | Yes                |
| NVNT      | ANT1    | 3-DH1      | 2402.00         | 1.254         | Yes                |
| NVNT      | ANT1    | 3-DH1      | 2441.00         | 1.246         | Yes                |
| NVNT      | ANT1    | 3-DH1      | 2480.00         | 1.264         | Yes                |



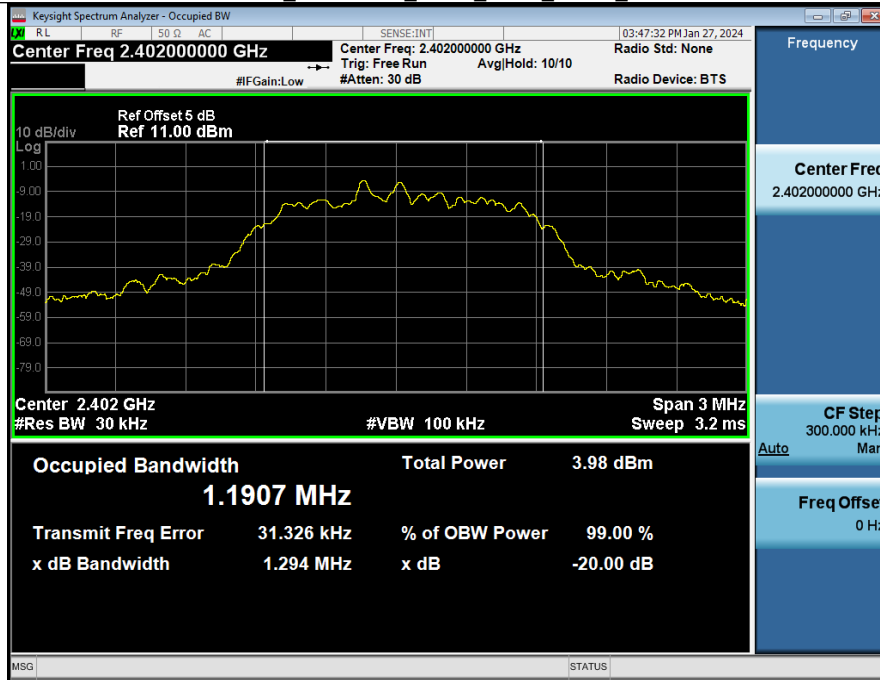
-20dB Bandwidth\_NVNT\_ANT1\_1-DH1\_2441



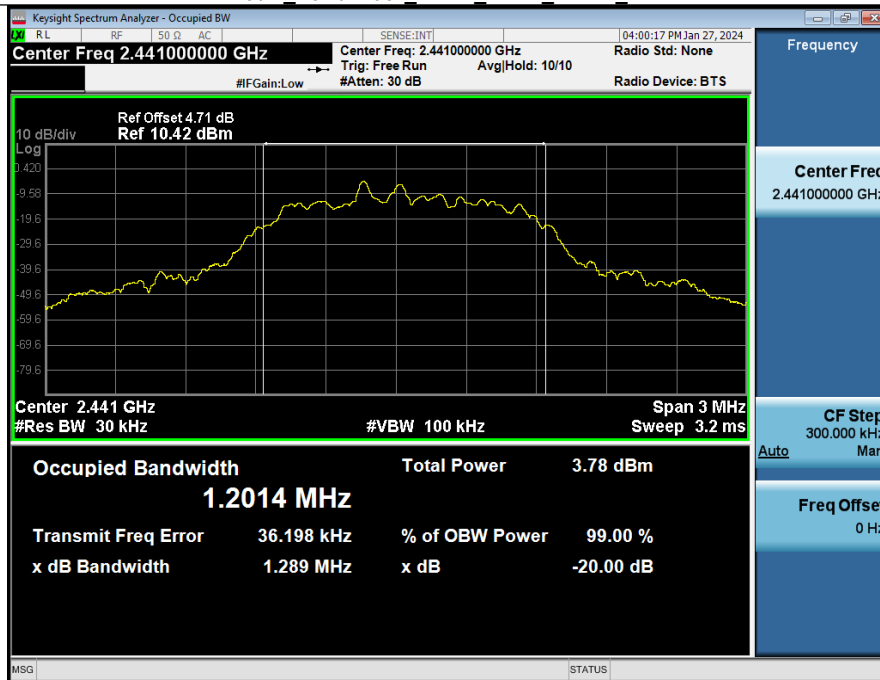
-20dB Bandwidth\_NVNT\_ANT1\_1-DH1\_2480



-20dB Bandwidth\_NVNT\_ANT1 2-DH1\_2402



-20dB Bandwidth\_NVNT\_ANT1 2-DH1\_2441



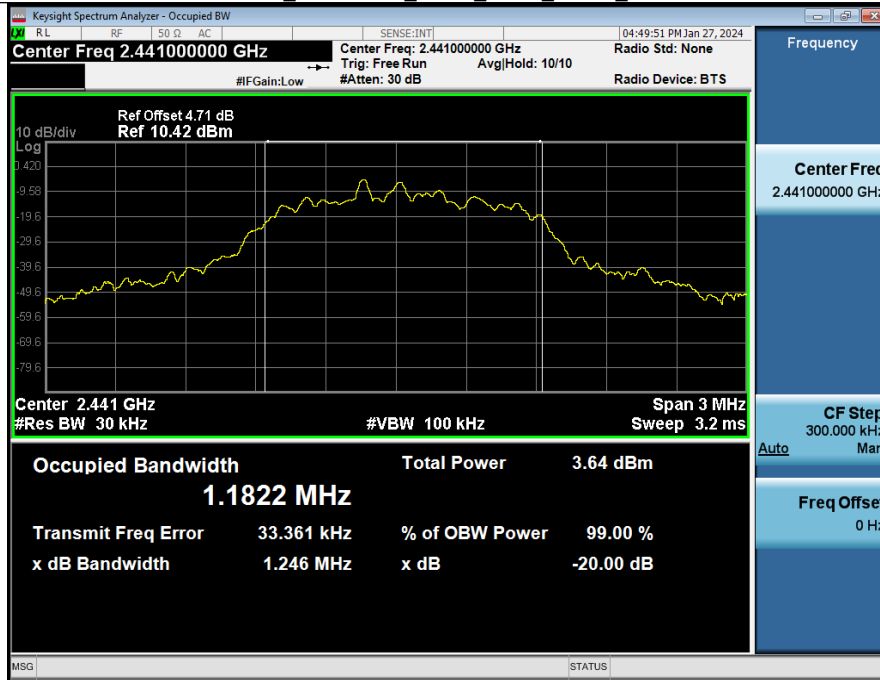
-20dB Bandwidth\_NVNT\_ANT1 2-DH1\_2480



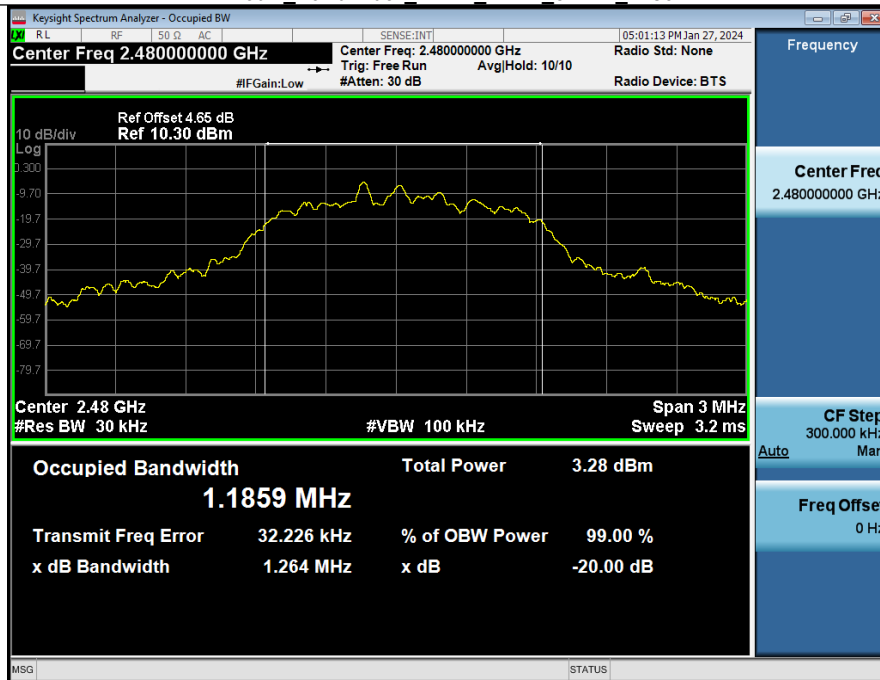
-20dB Bandwidth\_NVNT\_ANT1 3-DH1\_2402



-20dB Bandwidth\_NVNT\_ANT1\_3-DH1\_2441

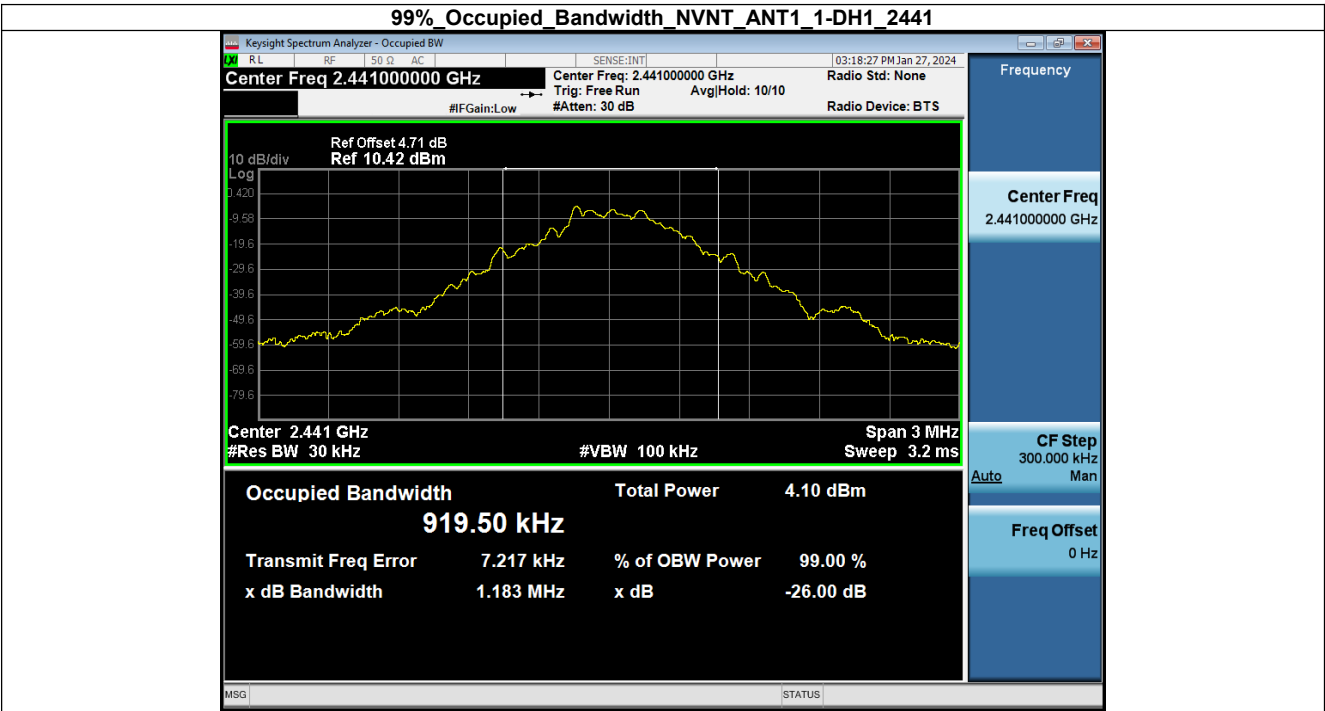
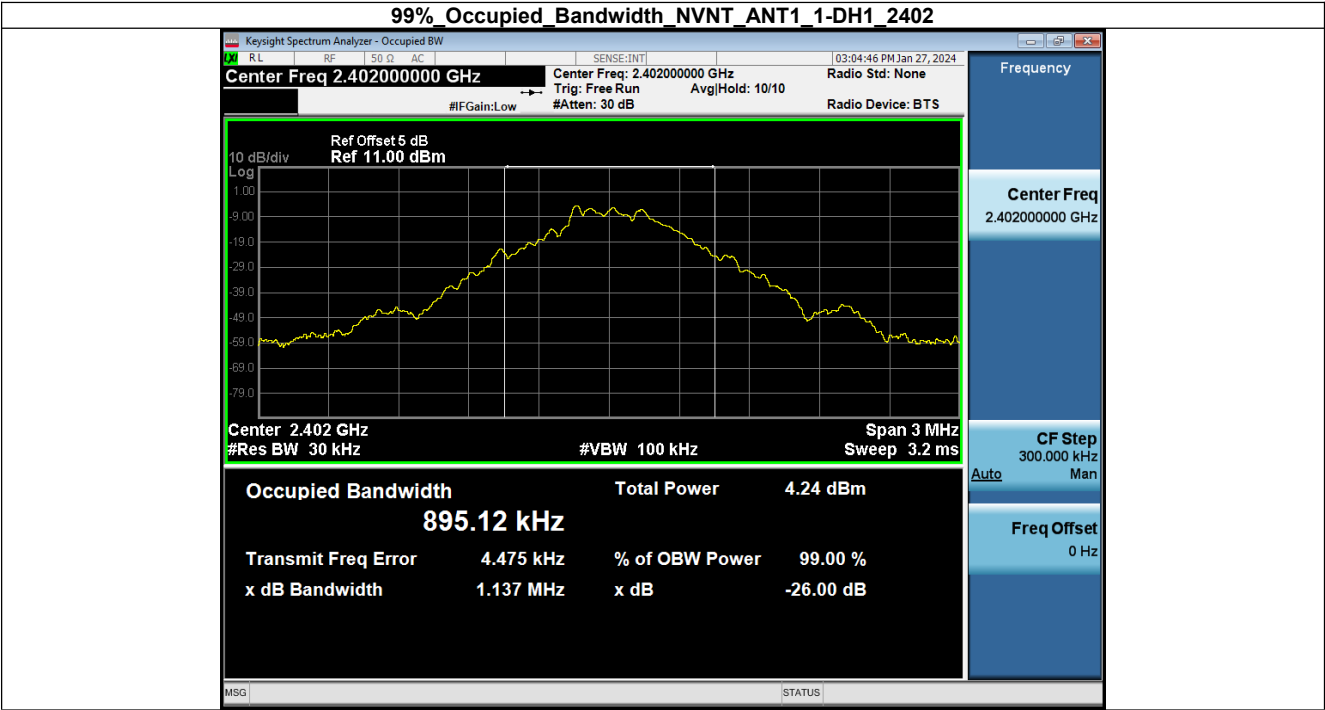


-20dB Bandwidth\_NVNT\_ANT1\_3-DH1\_2480



2. 99% Occupied Bandwidth

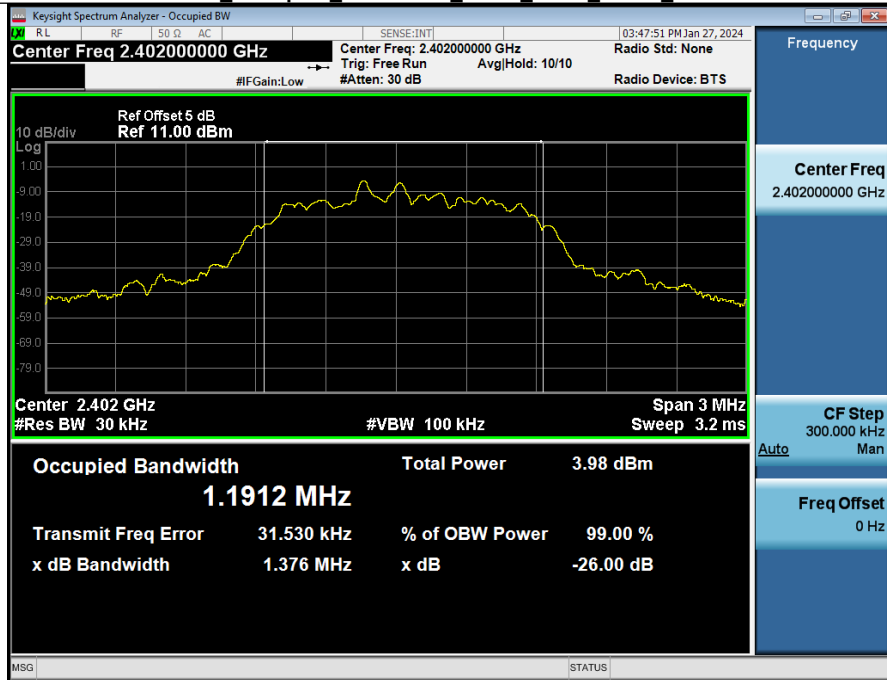
| Condition | Antenna | Modulation | Frequency (MHz) | 99%%BW(MHz) |
|-----------|---------|------------|-----------------|-------------|
| NVNT      | ANT1    | 1-DH1      | 2402.00         | 0.895       |
| NVNT      | ANT1    | 1-DH1      | 2441.00         | 0.919       |
| NVNT      | ANT1    | 1-DH1      | 2480.00         | 0.954       |
| NVNT      | ANT1    | 2-DH1      | 2402.00         | 1.191       |
| NVNT      | ANT1    | 2-DH1      | 2441.00         | 1.201       |
| NVNT      | ANT1    | 2-DH1      | 2480.00         | 1.203       |
| NVNT      | ANT1    | 3-DH1      | 2402.00         | 1.176       |
| NVNT      | ANT1    | 3-DH1      | 2441.00         | 1.183       |
| NVNT      | ANT1    | 3-DH1      | 2480.00         | 1.185       |



### 99% Occupied Bandwidth\_NVNT\_ANT1\_1-DH1\_2480



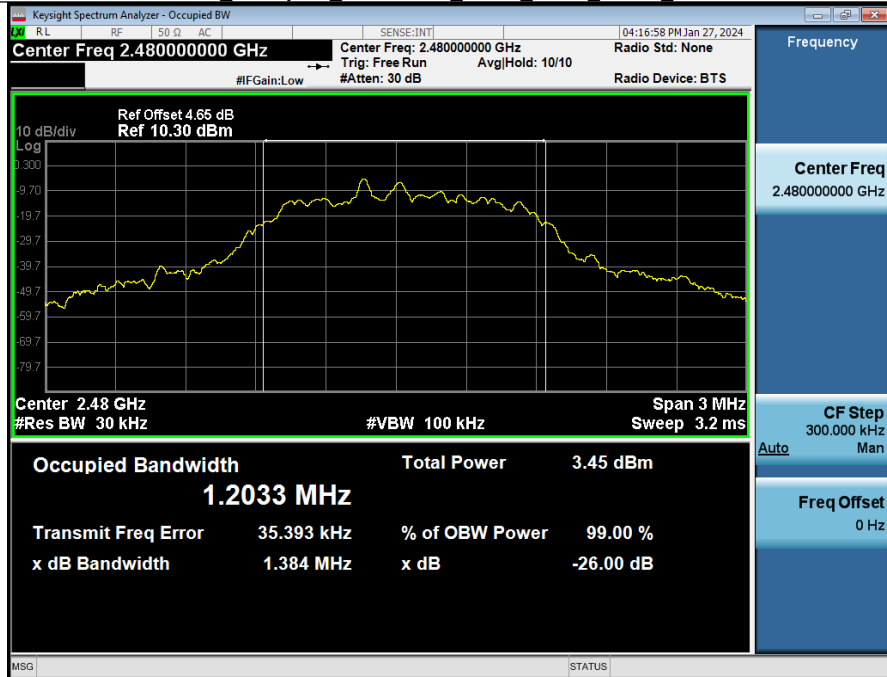
### 99% Occupied Bandwidth\_NVNT\_ANT1\_2-DH1\_2402



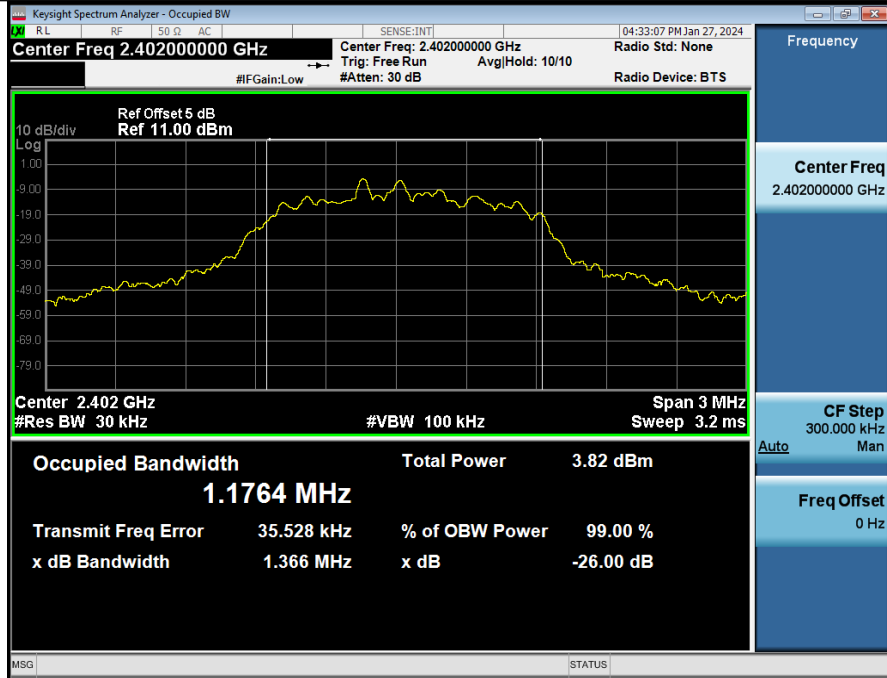
### 99% Occupied Bandwidth\_NVNT\_ANT1\_2-DH1\_2441



### 99% Occupied Bandwidth\_NVNT\_ANT1\_2-DH1\_2480



### 99% Occupied Bandwidth\_NVNT\_ANT1\_3-DH1\_2402



### 99% Occupied Bandwidth\_NVNT\_ANT1\_3-DH1\_2441

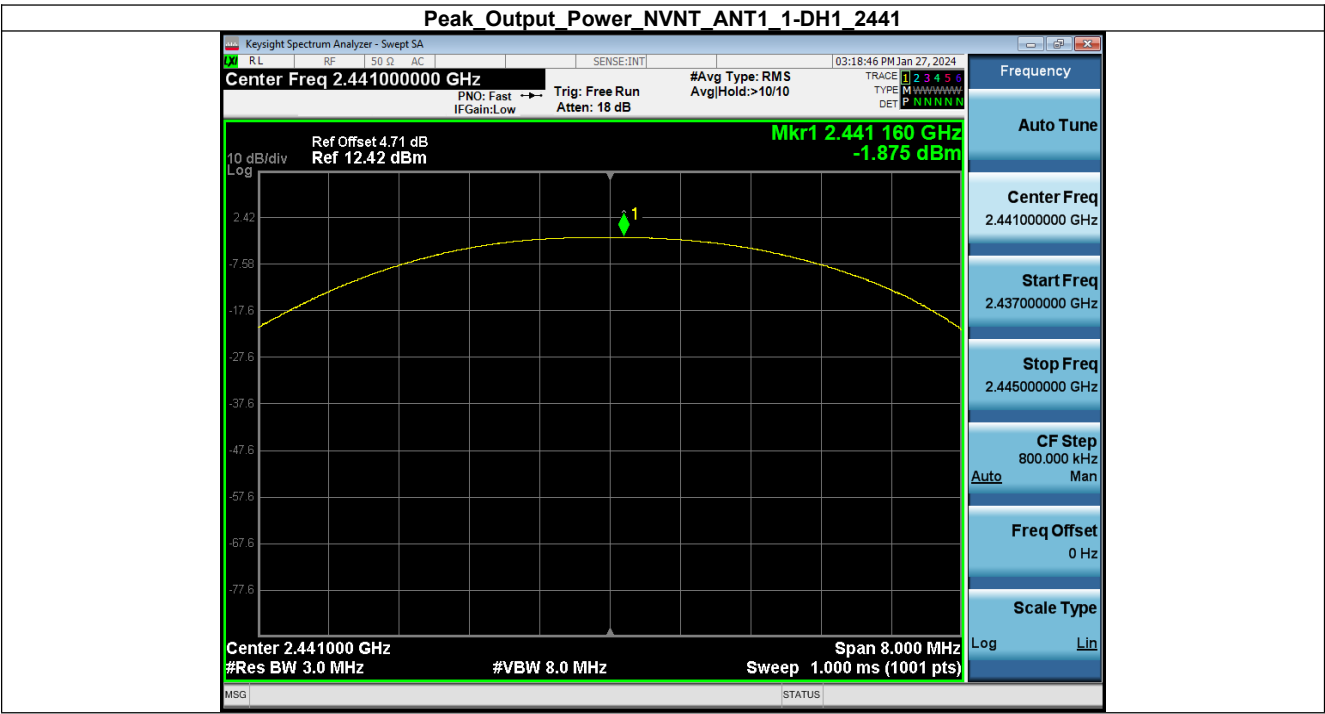
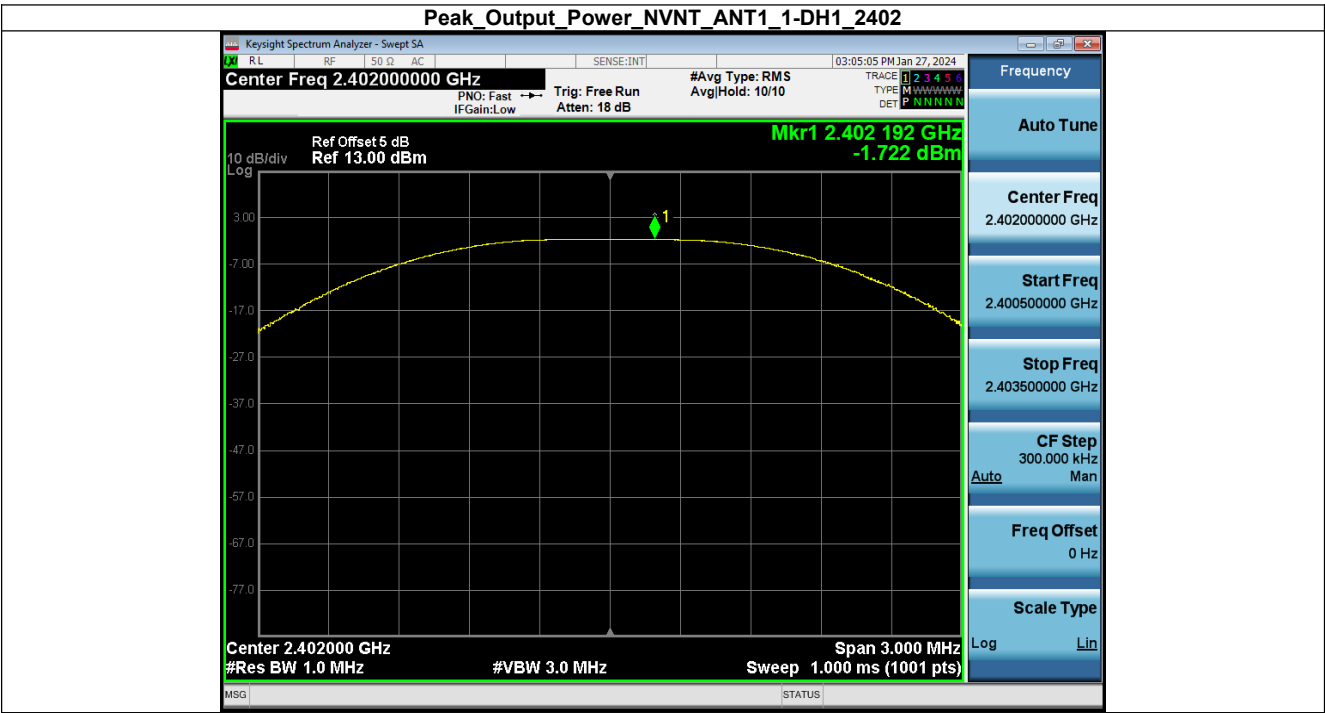


# 99% Occupied Bandwidth\_NVNT\_ANT1\_3-DH1\_2480

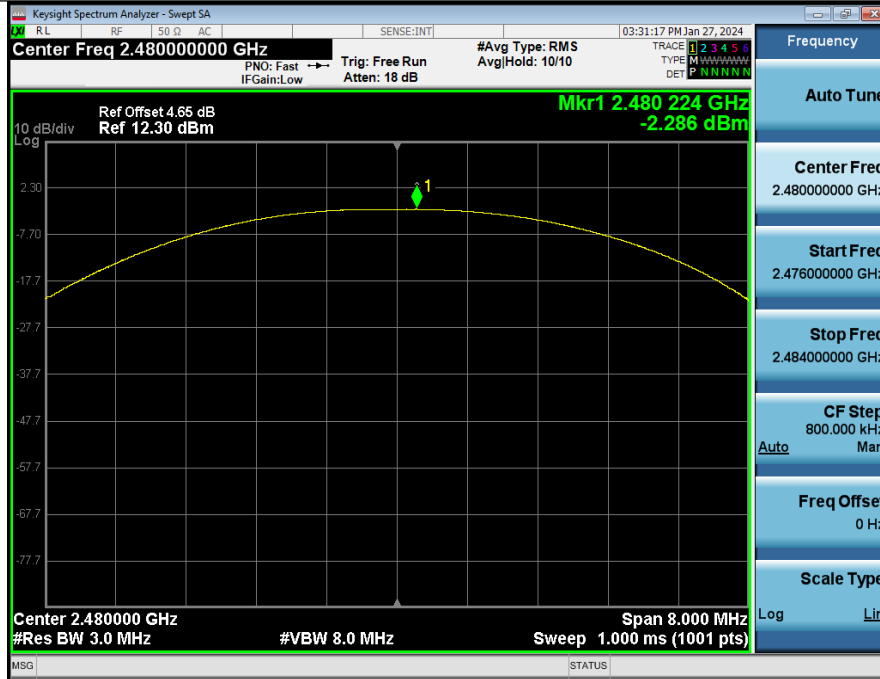


3. Peak Output Power

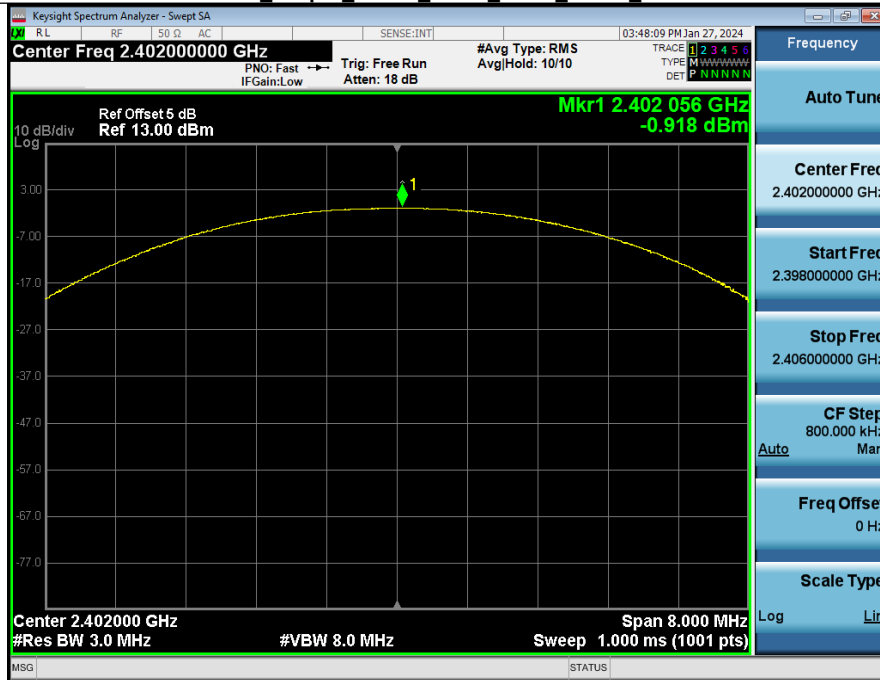
| Condition | Antenna | Modulation | Frequency (MHz) | Max. Conducted Power(dBm) | Max. Conducted Power(mW) | Limit(mW) | Result |
|-----------|---------|------------|-----------------|---------------------------|--------------------------|-----------|--------|
| NVNT      | ANT1    | 1-DH1      | 2402.00         | -1.72                     | 0.67                     | 1000      | Pass   |
| NVNT      | ANT1    | 1-DH1      | 2441.00         | -1.88                     | 0.65                     | 125       | Pass   |
| NVNT      | ANT1    | 1-DH1      | 2480.00         | -2.29                     | 0.59                     | 125       | Pass   |
| NVNT      | ANT1    | 2-DH1      | 2402.00         | -0.92                     | 0.81                     | 125       | Pass   |
| NVNT      | ANT1    | 2-DH1      | 2441.00         | -1.10                     | 0.78                     | 125       | Pass   |
| NVNT      | ANT1    | 2-DH1      | 2480.00         | -1.50                     | 0.71                     | 125       | Pass   |
| NVNT      | ANT1    | 3-DH1      | 2402.00         | -0.64                     | 0.86                     | 125       | Pass   |
| NVNT      | ANT1    | 3-DH1      | 2441.00         | -0.84                     | 0.82                     | 125       | Pass   |
| NVNT      | ANT1    | 3-DH1      | 2480.00         | -1.22                     | 0.76                     | 125       | Pass   |



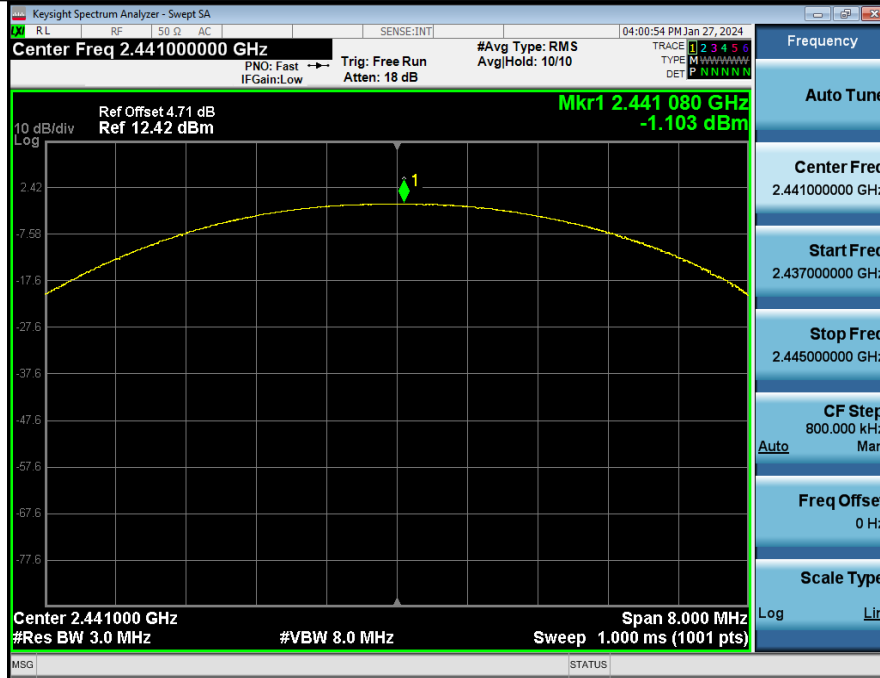
# Peak\_Output\_Power\_NVNT\_ANT1\_1-DH1\_2480



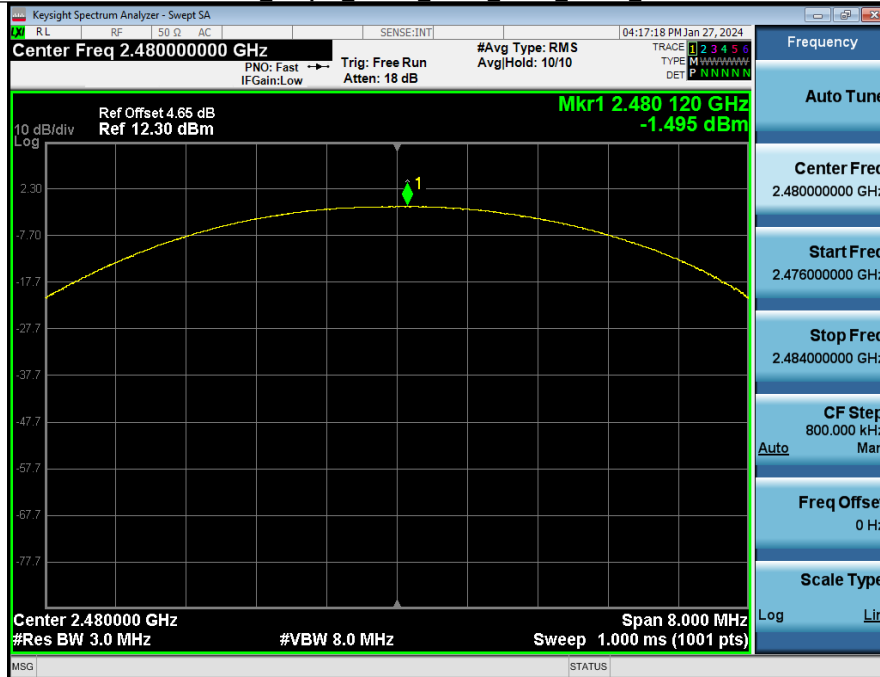
# Peak\_Output\_Power\_NVNT\_ANT1\_2-DH1\_2402



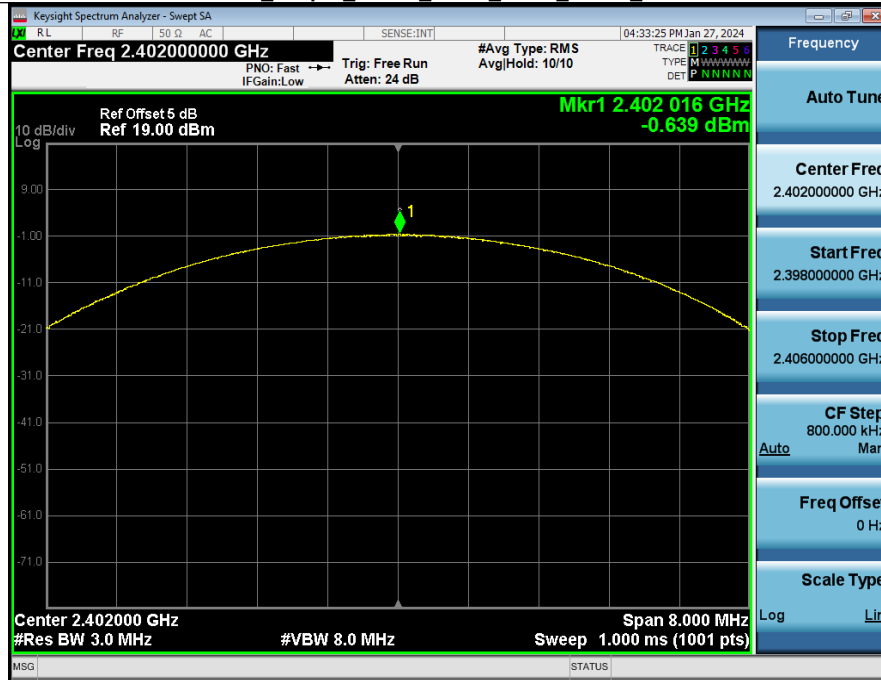
# Peak Output Power\_NVNT\_ANT1\_2-DH1\_2441



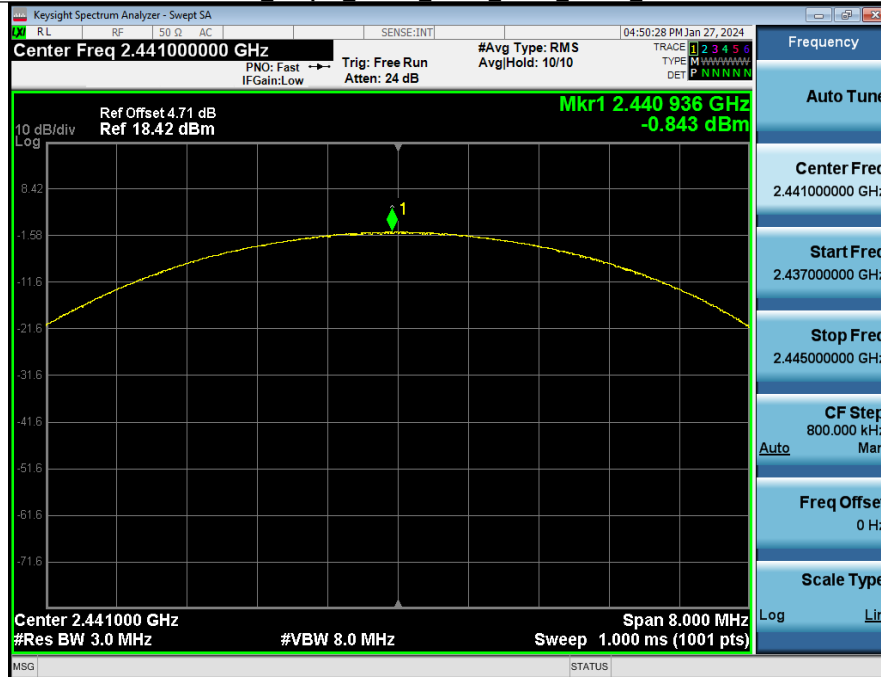
# Peak Output Power\_NVNT\_ANT1\_2-DH1\_2480



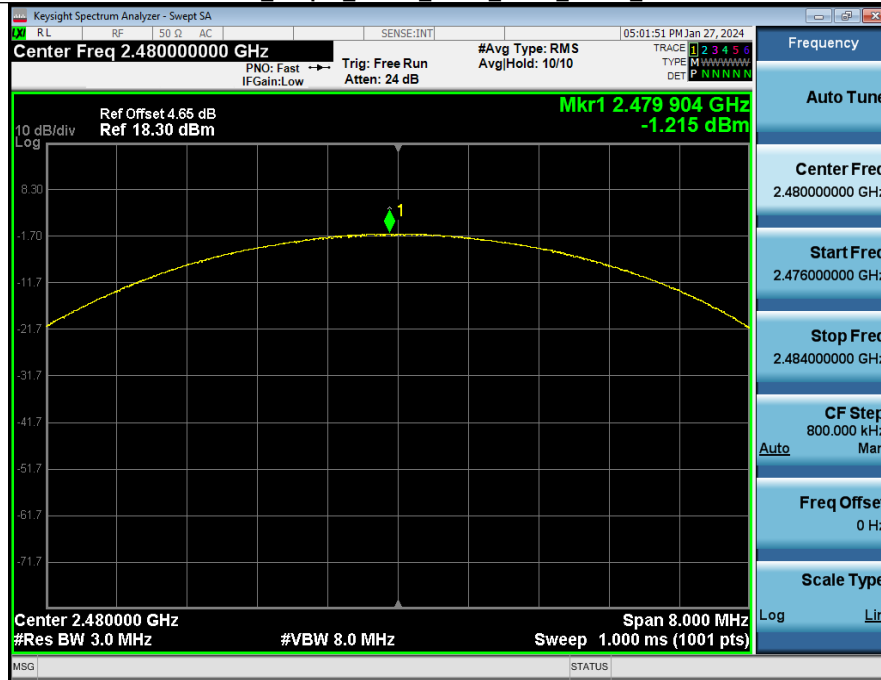
# Peak Output Power\_NVNT\_ANT1\_3-DH1\_2402



# Peak Output Power\_NVNT\_ANT1\_3-DH1\_2441

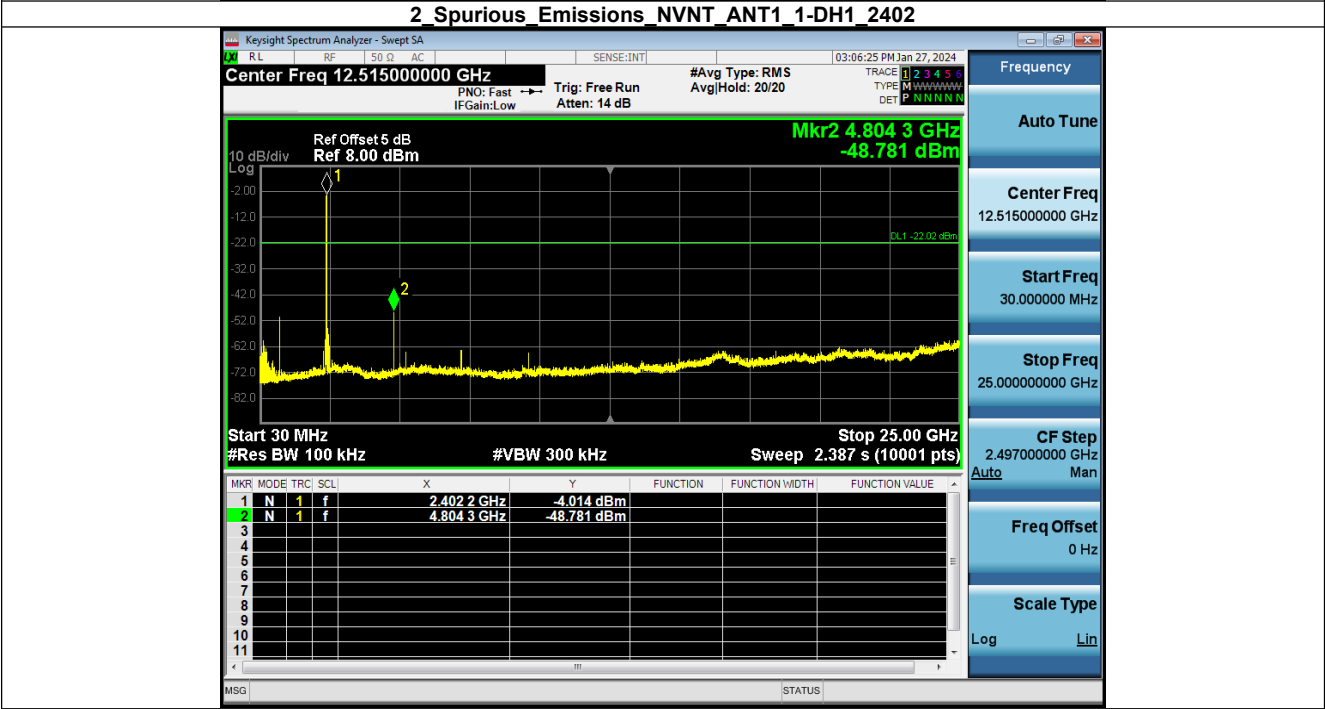
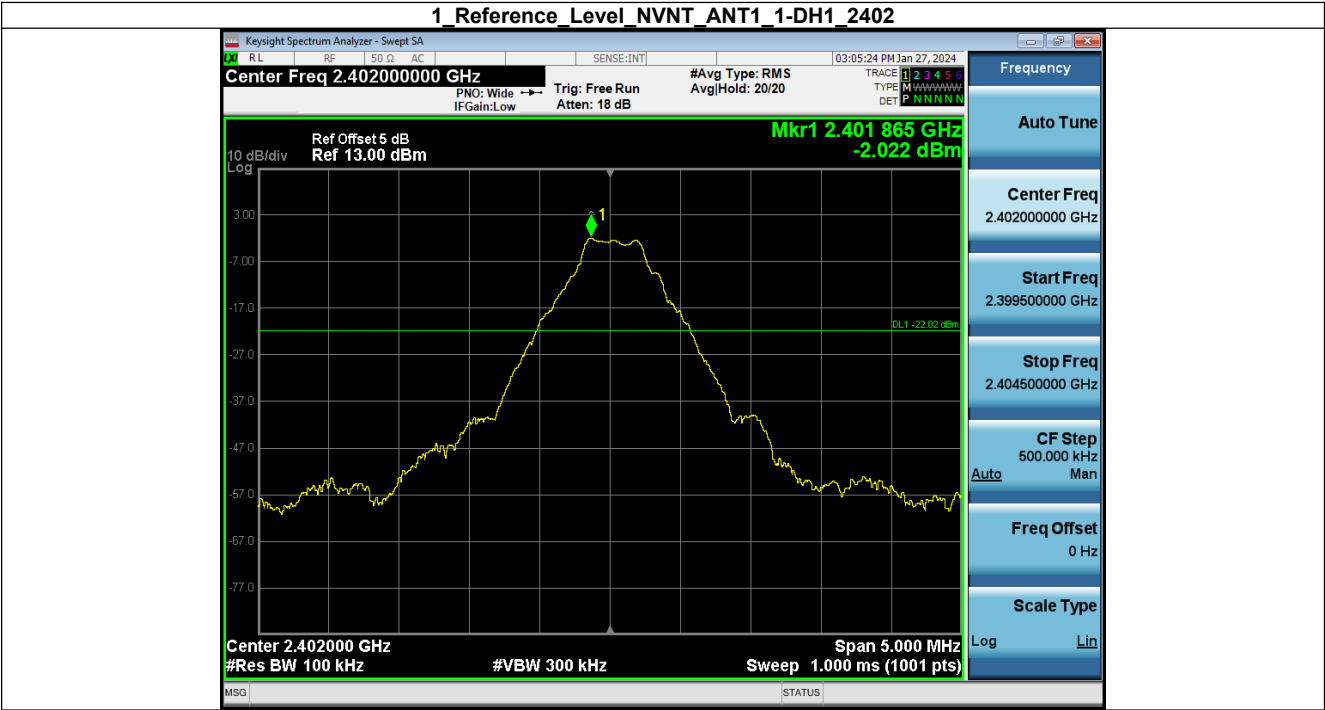


Peak\_Output\_Power\_NVNT\_ANT1\_3-DH1\_2480

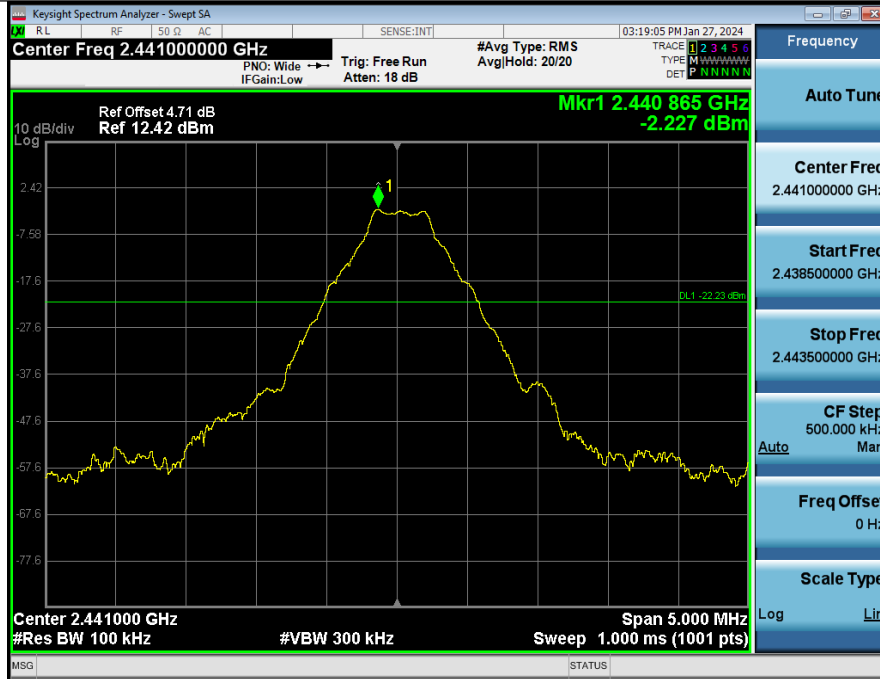


4. Spurious Emissions

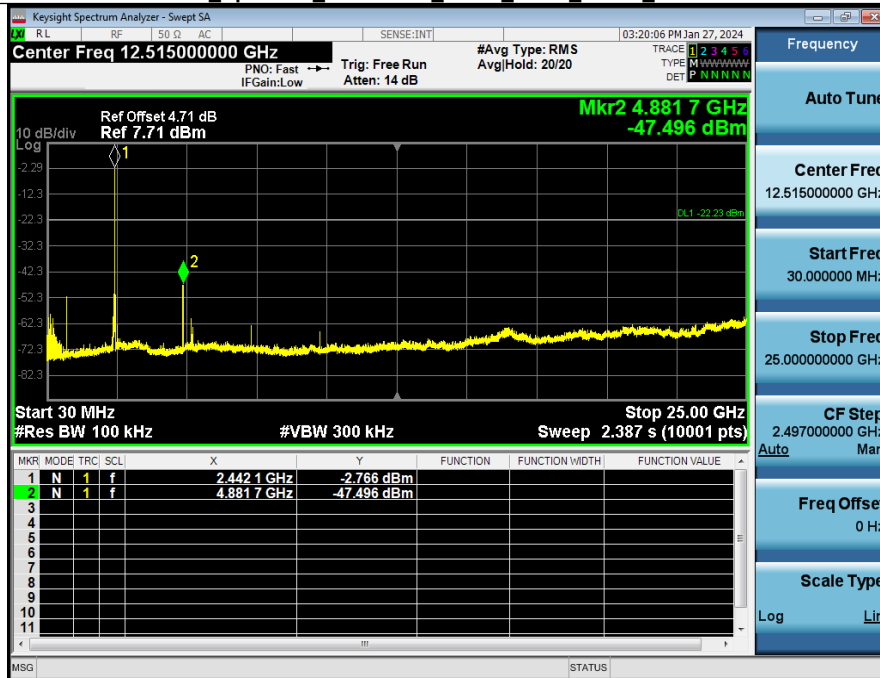
| Condition | Antenna | Modulation | TX Mode | Spurious MAX.Value(dBm) | Limit   | Result |
|-----------|---------|------------|---------|-------------------------|---------|--------|
| NVNT      | ANT1    | 1-DH1      | 2402.00 | -48.781                 | -22.022 | Pass   |
| NVNT      | ANT1    | 1-DH1      | 2441.00 | -47.496                 | -22.227 | Pass   |
| NVNT      | ANT1    | 1-DH1      | 2480.00 | -45.115                 | -23.501 | Pass   |
| NVNT      | ANT1    | 2-DH1      | 2402.00 | -48.956                 | -22.043 | Pass   |
| NVNT      | ANT1    | 2-DH1      | 2441.00 | -45.117                 | -22.253 | Pass   |
| NVNT      | ANT1    | 2-DH1      | 2480.00 | -49.430                 | -23.491 | Pass   |
| NVNT      | ANT1    | 3-DH1      | 2402.00 | -49.903                 | -22.053 | Pass   |
| NVNT      | ANT1    | 3-DH1      | 2441.00 | -43.380                 | -22.296 | Pass   |
| NVNT      | ANT1    | 3-DH1      | 2480.00 | -41.014                 | -23.514 | Pass   |



# 1\_Reference\_Level\_NVNT\_ANT1\_1-DH1\_2441



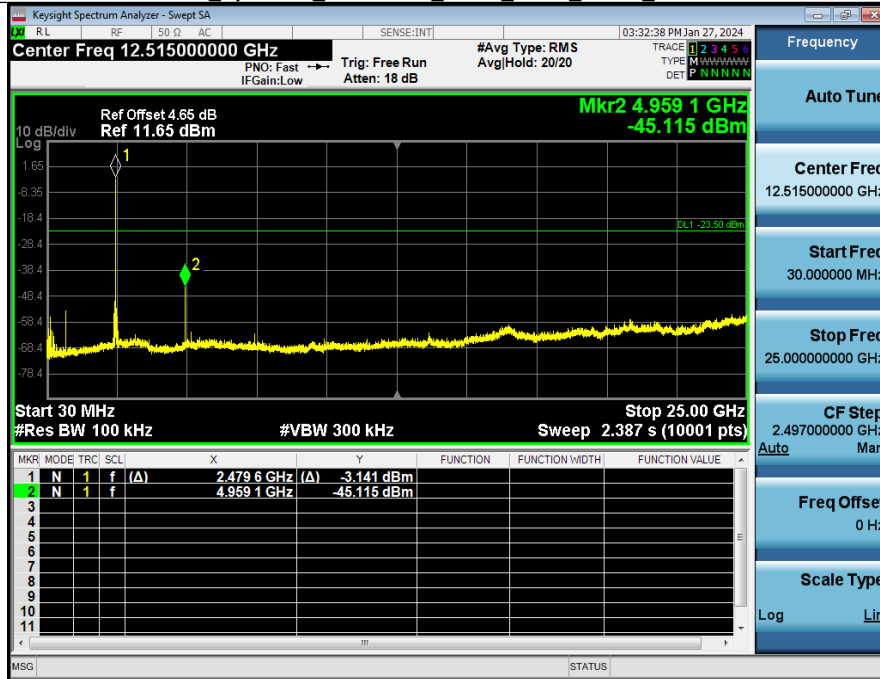
# 2\_Spurious\_Emissions\_NVNT\_ANT1\_1-DH1\_2441



# 1 Reference Level NVNT\_ANT1\_1-DH1\_2480



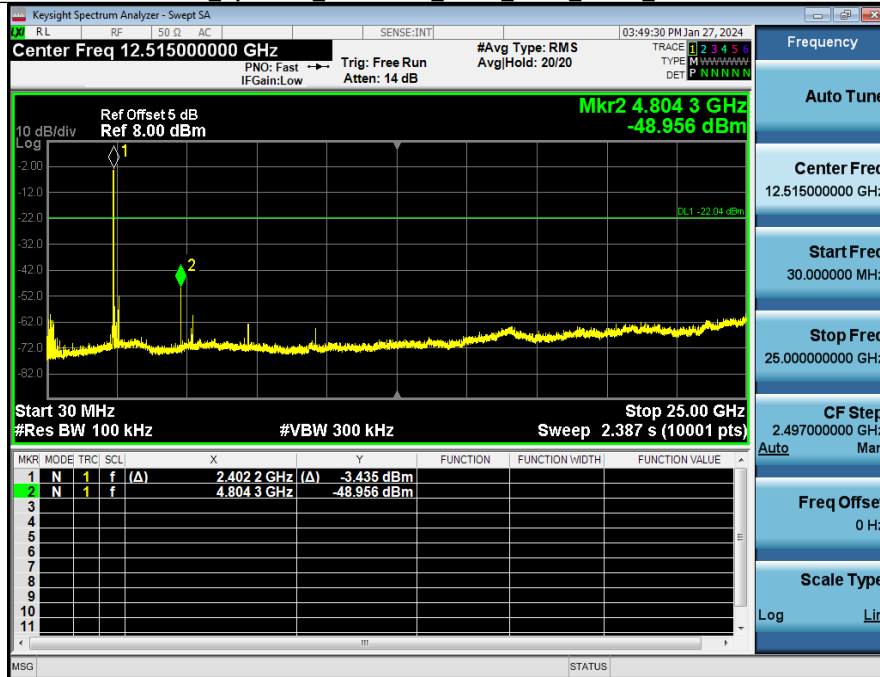
# 2 Spurious Emissions NVNT\_ANT1\_1-DH1\_2480



# 1\_Reference\_Level\_NVNT\_ANT1\_2-DH1\_2402



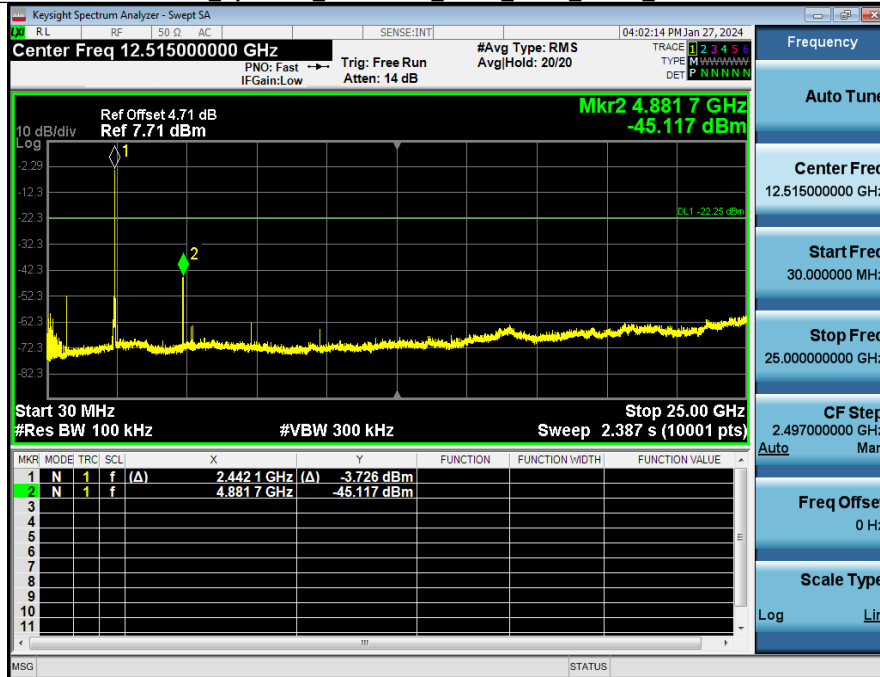
# 2\_Spurious\_Emissions\_NVNT\_ANT1\_2-DH1\_2402



# 1 Reference Level NVNT\_ANT1\_2-DH1\_2441



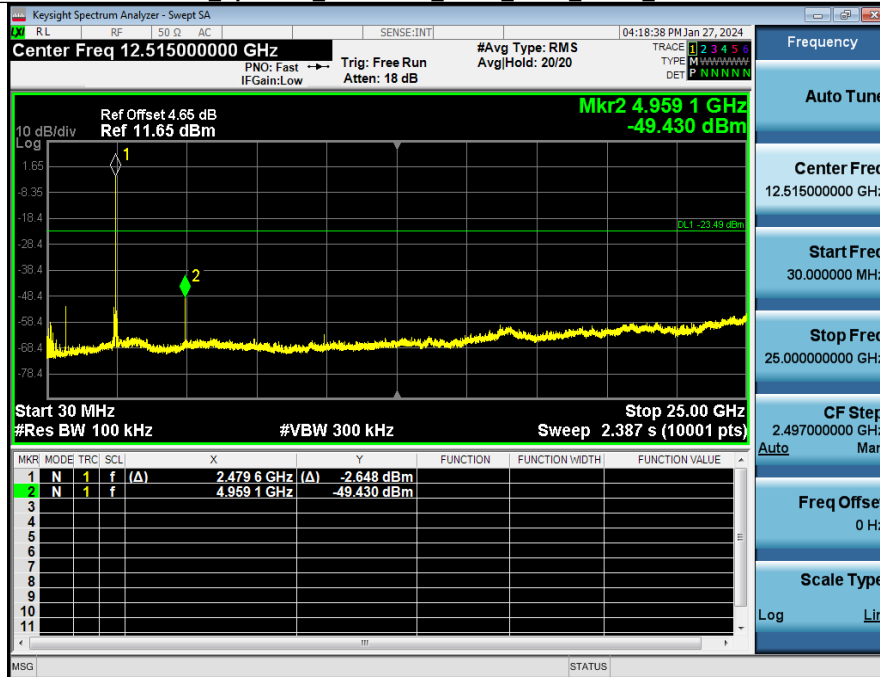
# 2 Spurious Emissions NVNT\_ANT1\_2-DH1\_2441



# 1 Reference Level NVNT\_ANT1\_2-DH1\_2480



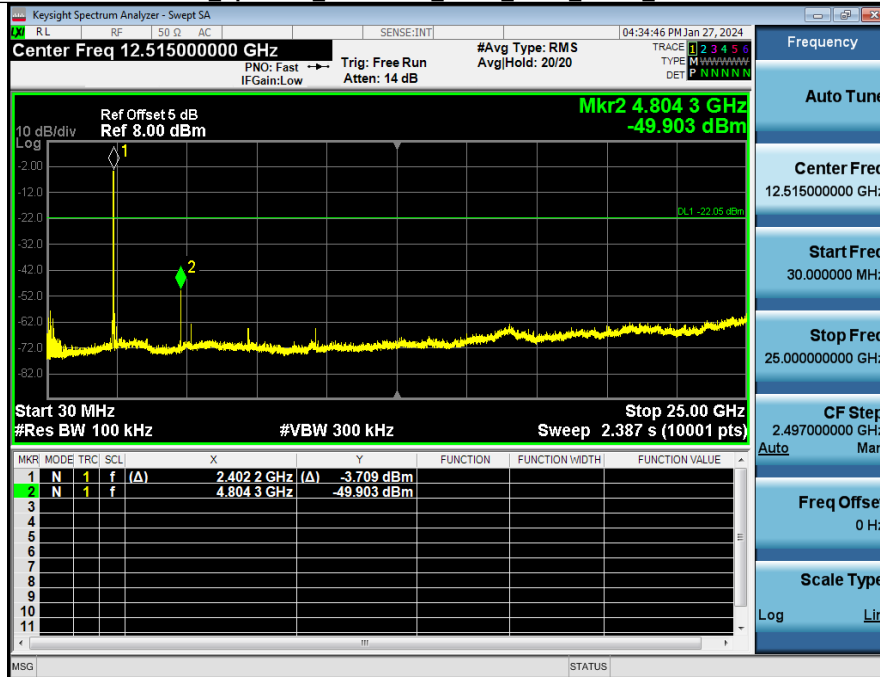
# 2 Spurious Emissions NVNT\_ANT1\_2-DH1\_2480



# 1 Reference Level NVNT\_ANT1\_3-DH1\_2402



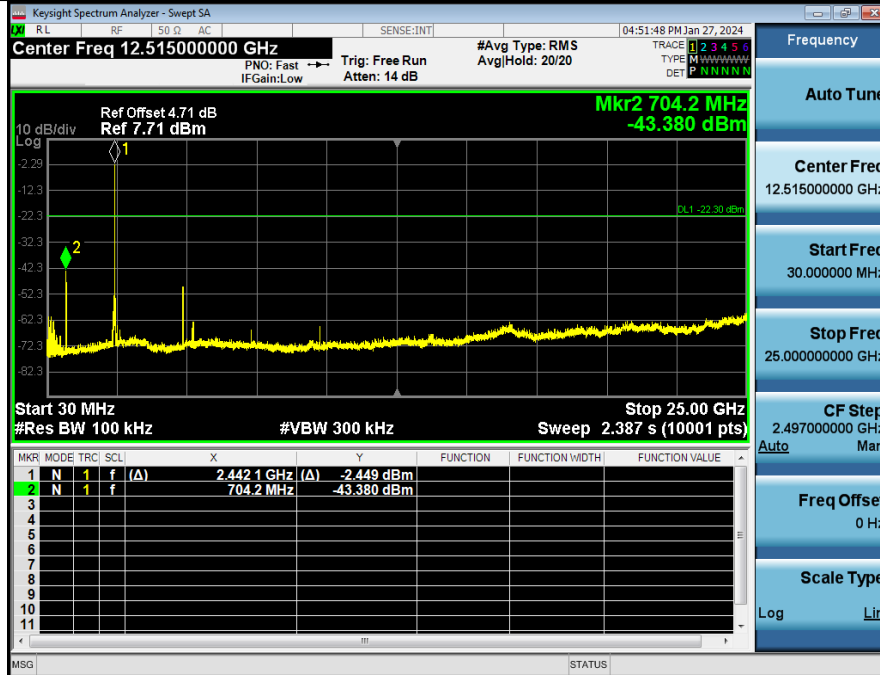
# 2 Spurious Emissions NVNT\_ANT1\_3-DH1\_2402



# 1 Reference Level NVNT\_ANT1\_3-DH1\_2441



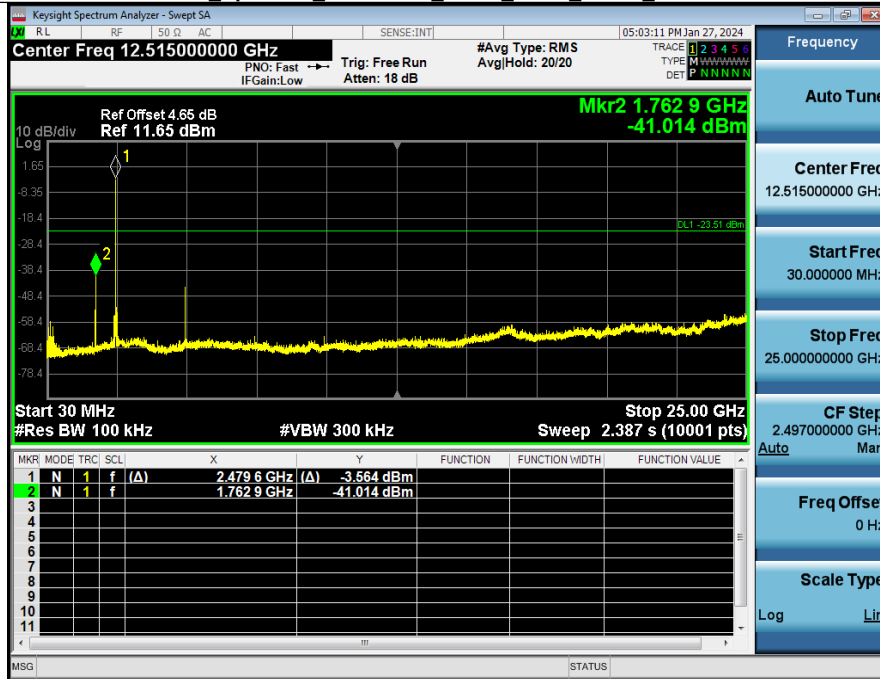
# 2 Spurious Emissions NVNT\_ANT1\_3-DH1\_2441



# 1 Reference Level NVNT\_ANT1\_3-DH1\_2480

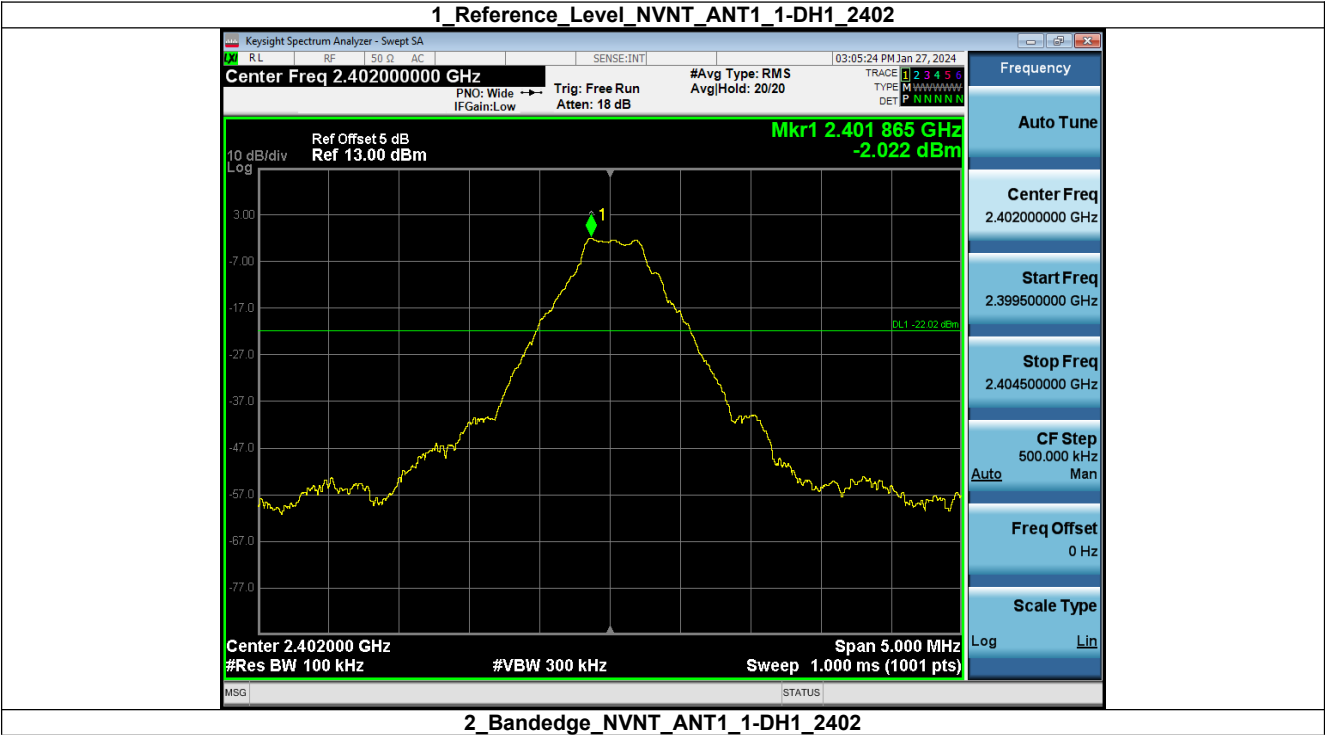


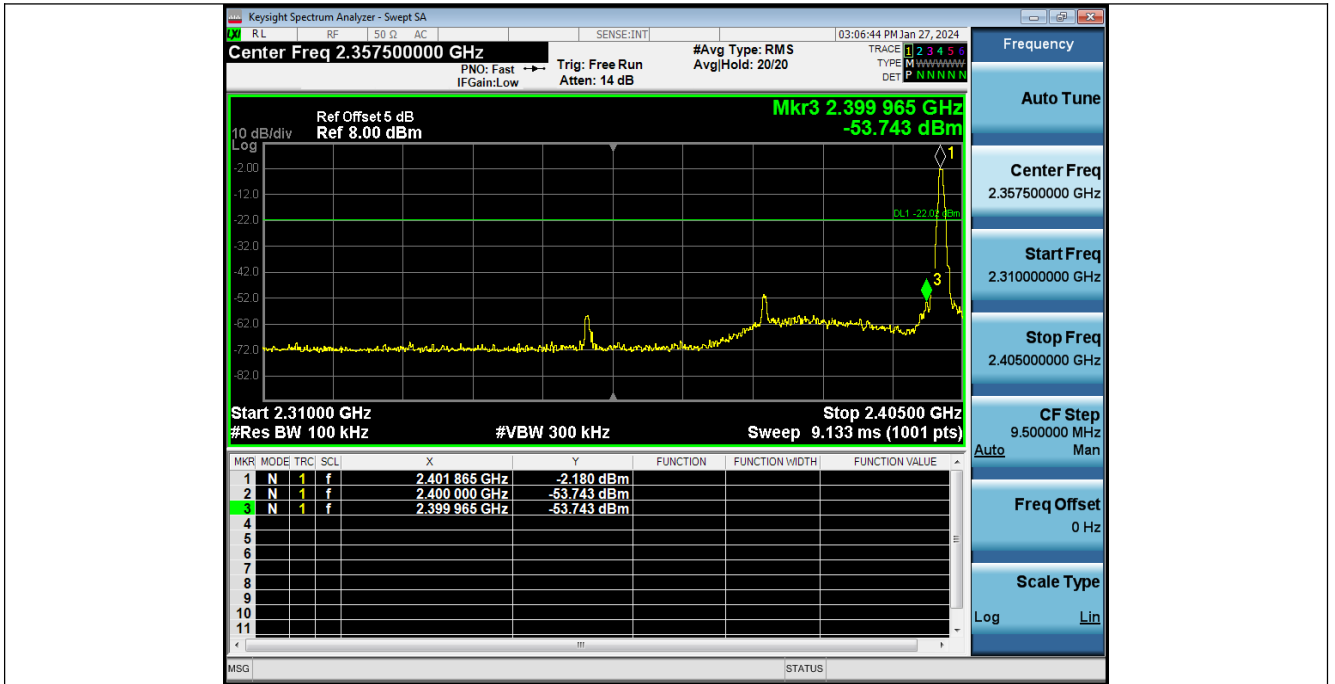
# 2 Spurious Emissions NVNT\_ANT1\_3-DH1\_2480



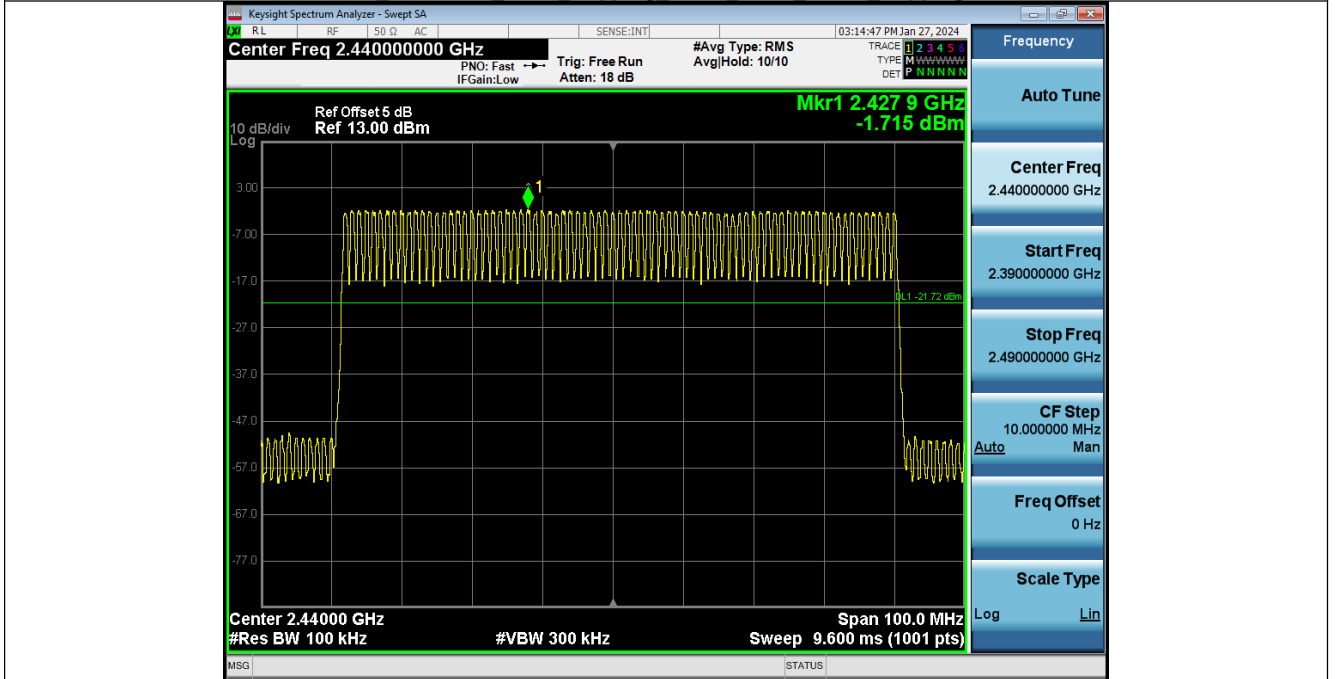
5. Bandedge

| Condition | Antenna | Modulation | TX Mode     | Bandedge MAX.Value | Limit   | Result |
|-----------|---------|------------|-------------|--------------------|---------|--------|
| NVNT      | ANT1    | 1-DH1      | 2402.00     | -53.743            | -22.022 | Pass   |
| NVNT      | ANT1    | 1-DH1      | Hopping_LCH | -50.886            | -21.715 | Pass   |
| NVNT      | ANT1    | 1-DH1      | 2480.00     | -56.451            | -23.501 | Pass   |
| NVNT      | ANT1    | 1-DH1      | Hopping_HCH | -51.358            | -22.069 | Pass   |
| NVNT      | ANT1    | 2-DH1      | 2402.00     | -53.334            | -22.043 | Pass   |
| NVNT      | ANT1    | 2-DH1      | Hopping_LCH | -50.133            | -21.704 | Pass   |
| NVNT      | ANT1    | 2-DH1      | 2480.00     | -58.844            | -23.491 | Pass   |
| NVNT      | ANT1    | 2-DH1      | Hopping_HCH | -51.519            | -22.078 | Pass   |
| NVNT      | ANT1    | 3-DH1      | 2402.00     | -54.746            | -22.053 | Pass   |
| NVNT      | ANT1    | 3-DH1      | Hopping_LCH | -50.640            | -21.742 | Pass   |
| NVNT      | ANT1    | 3-DH1      | 2480.00     | -57.944            | -23.514 | Pass   |
| NVNT      | ANT1    | 3-DH1      | Hopping_HCH | -52.271            | -22.142 | Pass   |

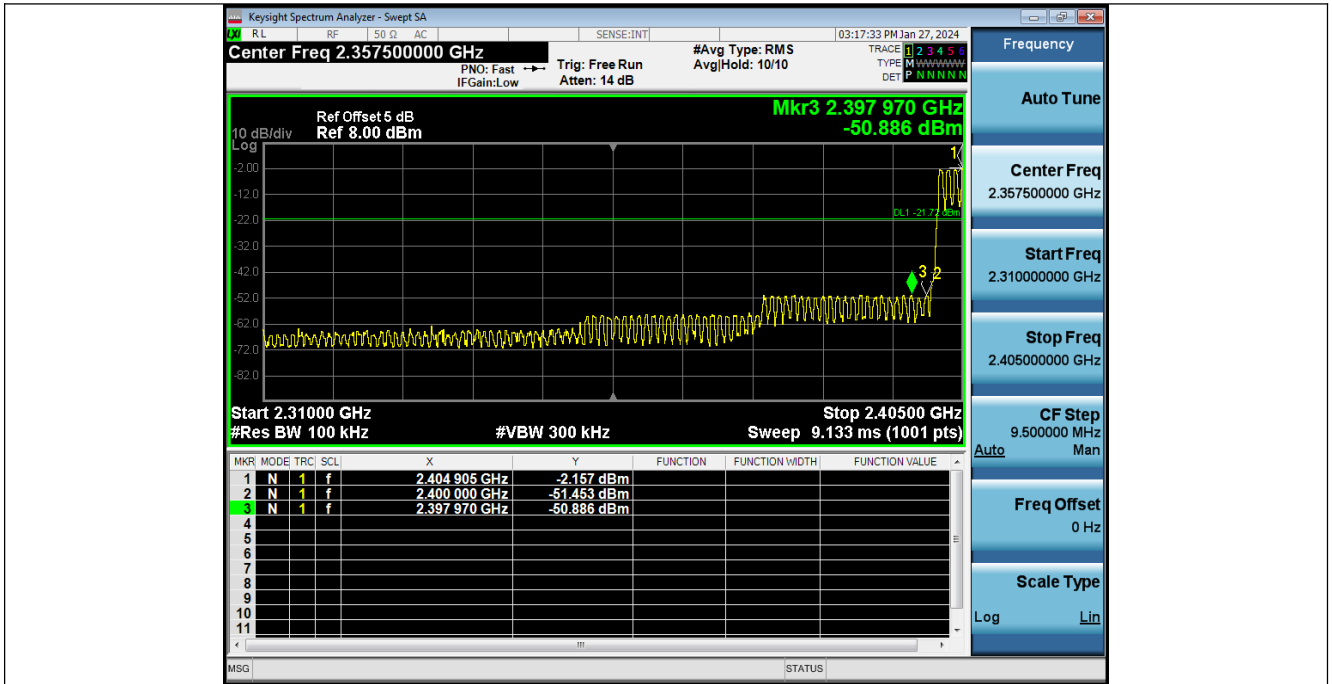




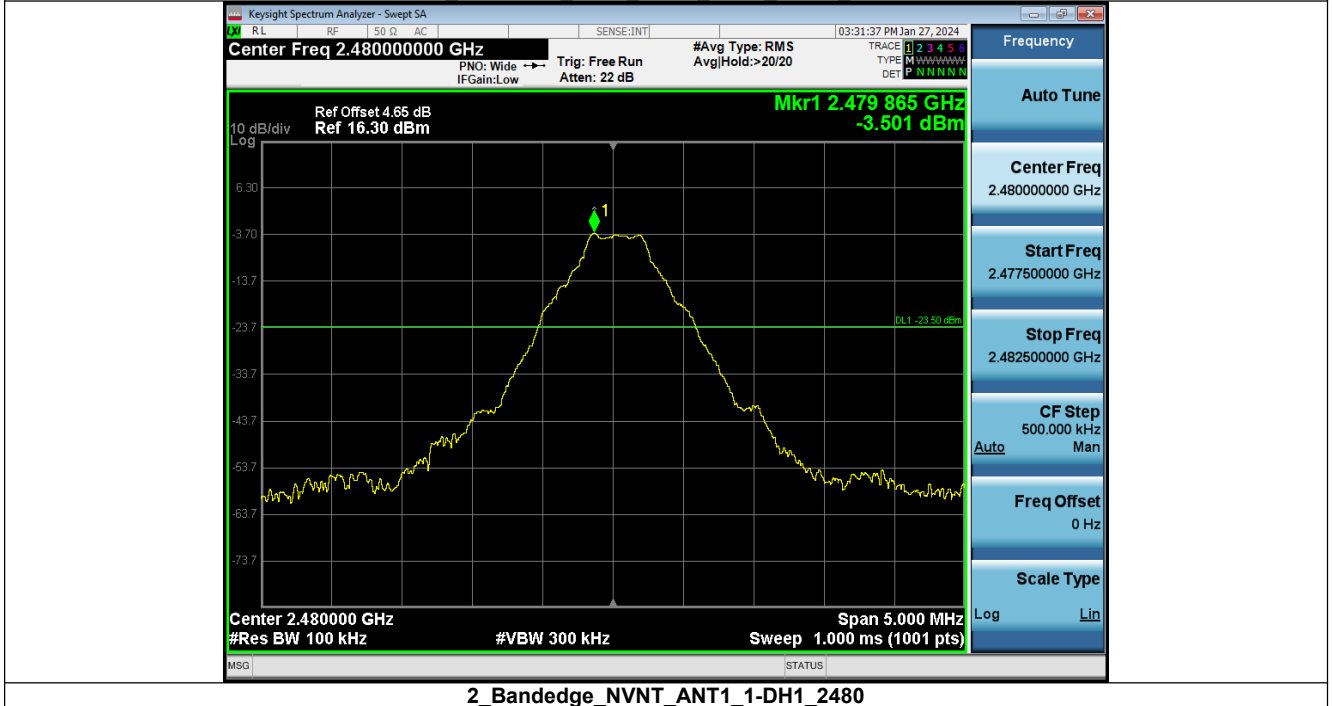
### 1 Reference\_Level\_Hopping\_NVNT\_ANT1\_1-DH1\_Hopping



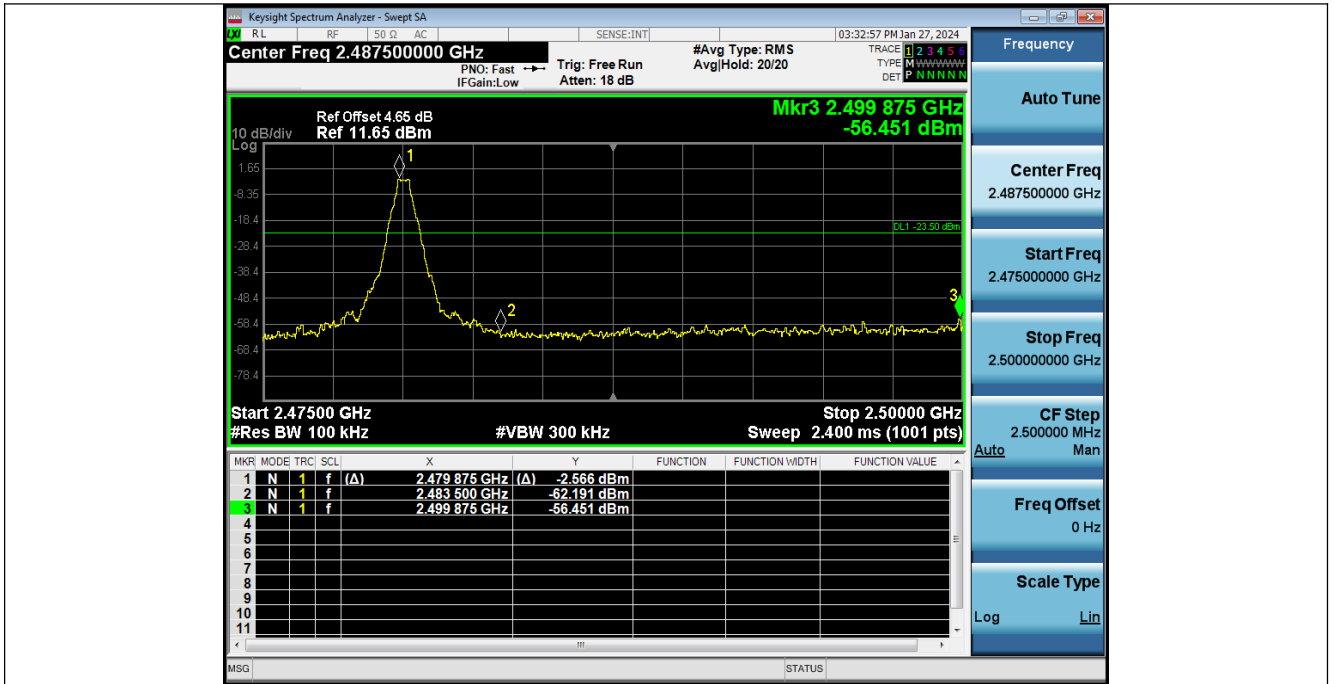
### 2\_Band\_Edge\_(Hopping)\_NVNT\_ANT1\_1-DH1\_Hopping



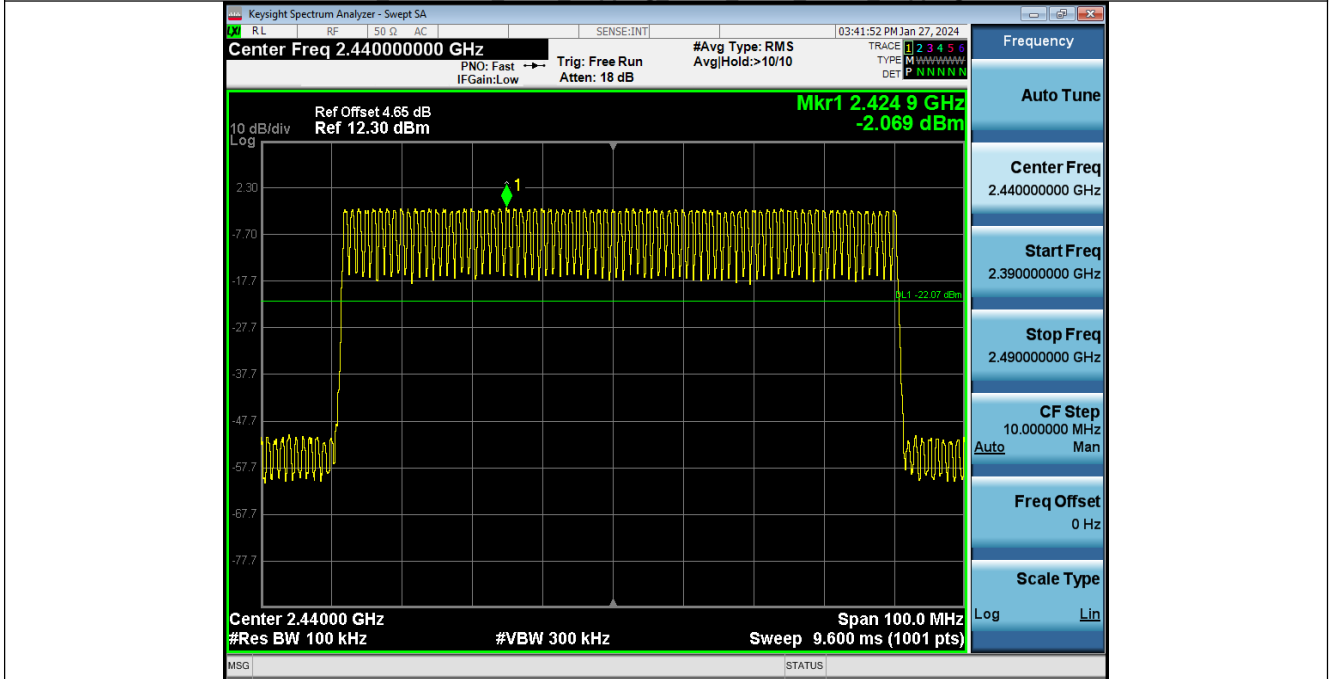
### 1\_Reference\_Level\_NVNT\_ANT1\_1-DH1\_2480



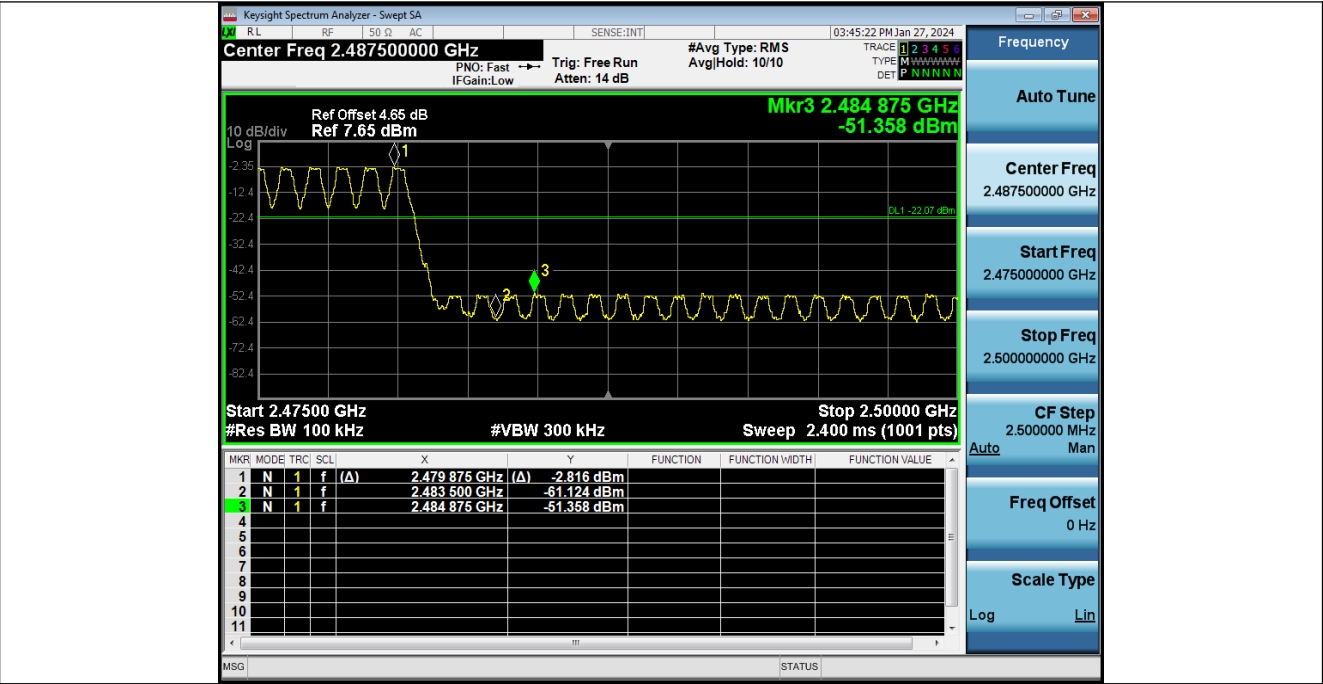
### 2\_Bandedge\_NVNT\_ANT1\_1-DH1\_2480



### 1 Reference\_Level\_Hopping\_NVNT\_ANT1\_1-DH1\_Hopping



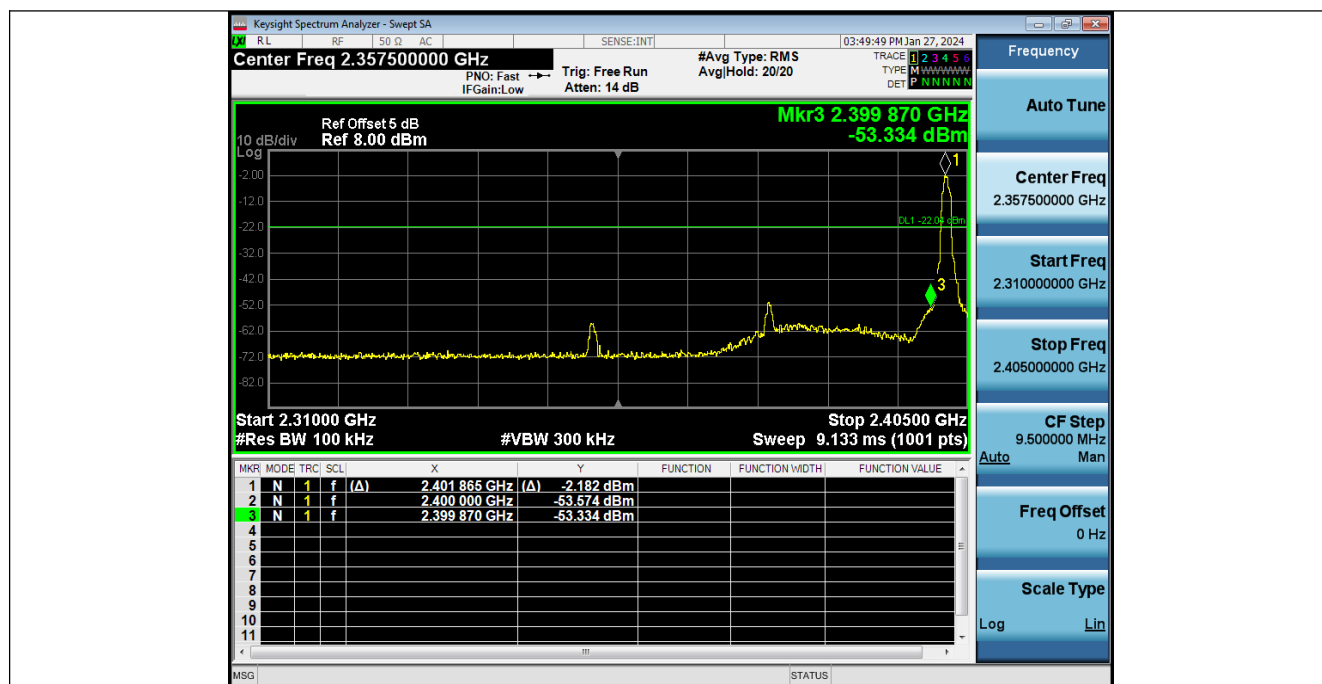
### 2\_Band\_Edge\_(Hopping)\_NVNT\_ANT1\_1-DH1\_Hopping



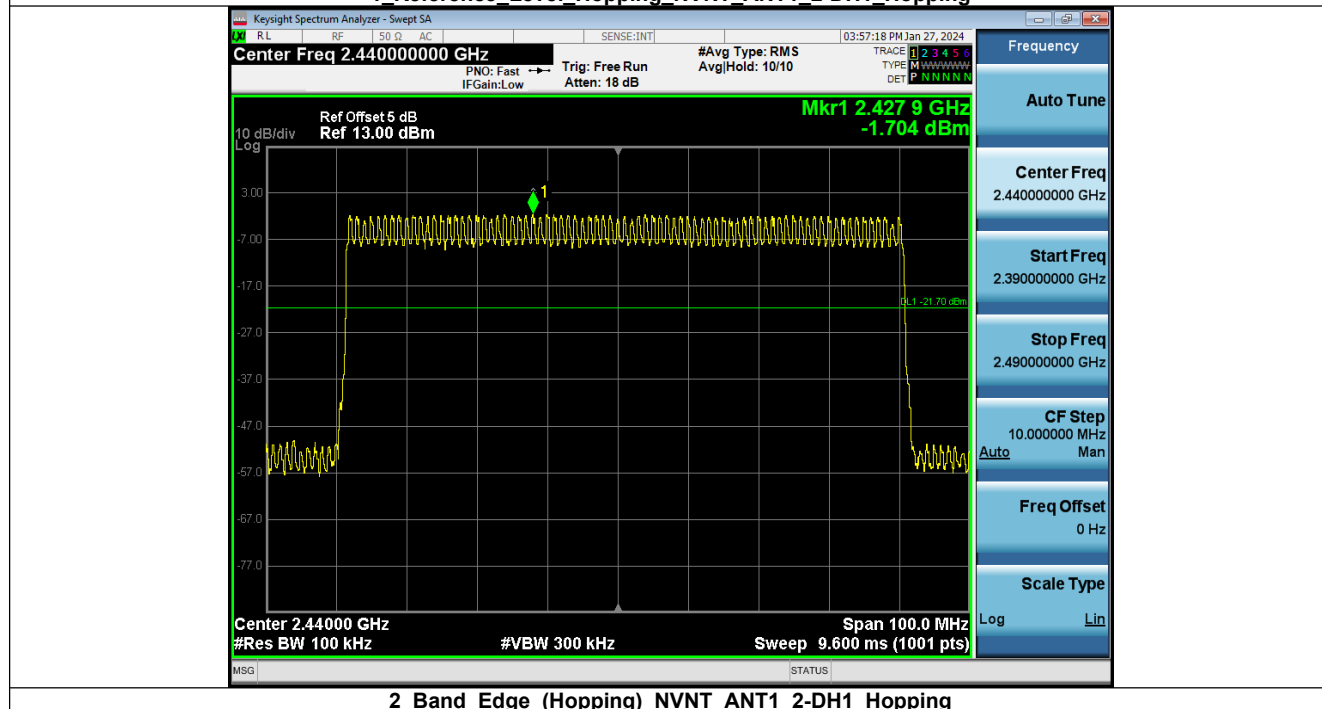
1 Reference\_Level\_NVNT\_ANT1\_2-DH1\_2402



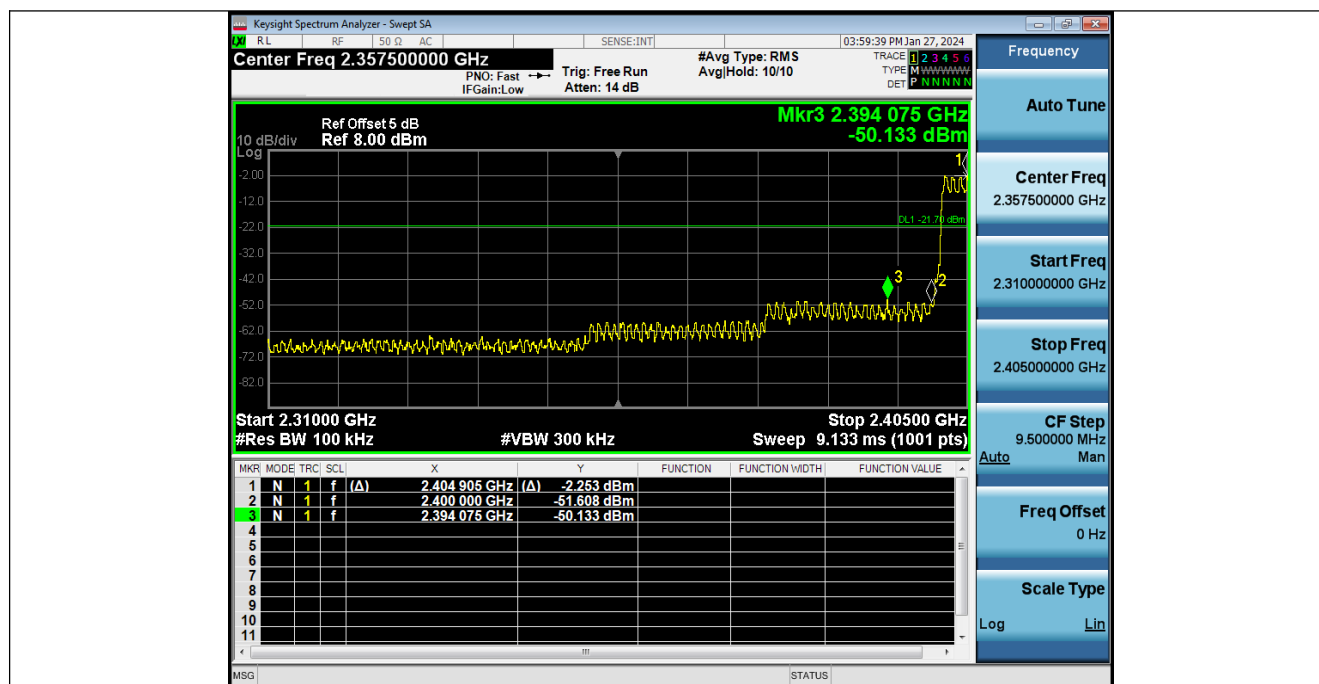
2\_Bandedge\_NVNT\_ANT1\_2-DH1\_2402



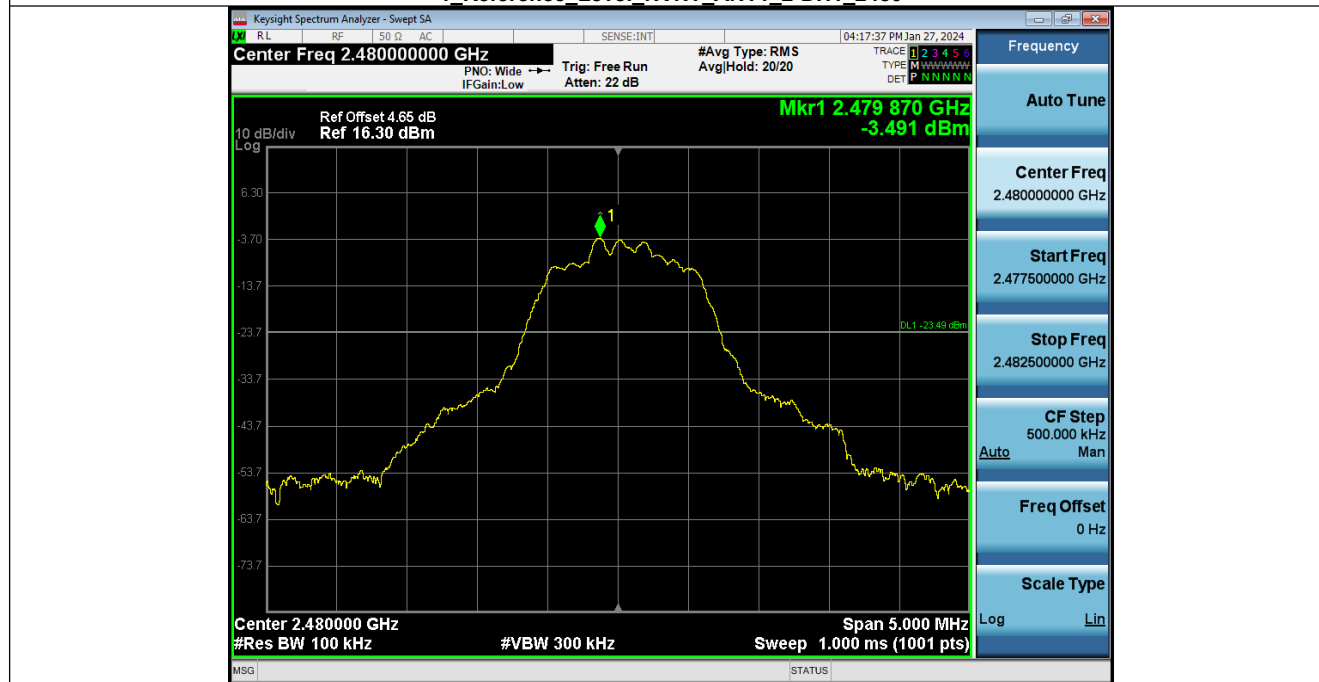
### 1 Reference\_Level\_Hopping\_NVNT\_ANT1\_2-DH1\_Hopping



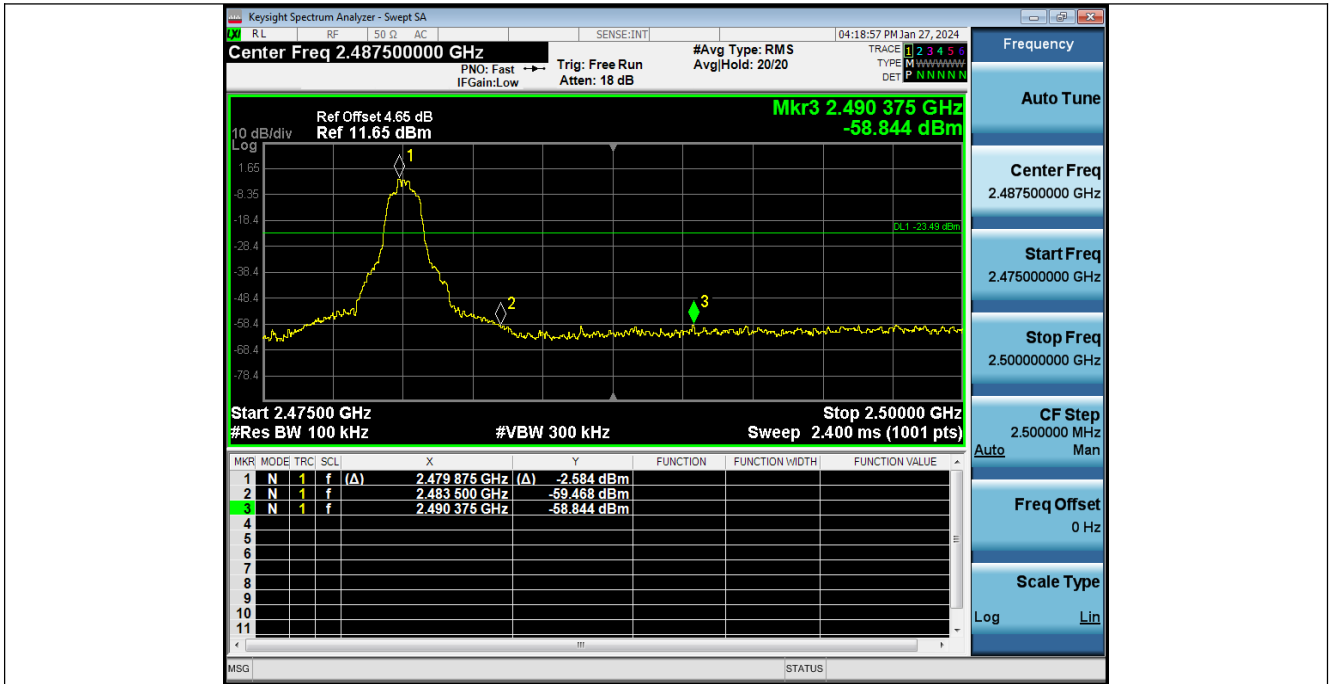
### 2\_Band\_Edge\_(Hopping)\_NVNT\_ANT1\_2-DH1\_Hopping



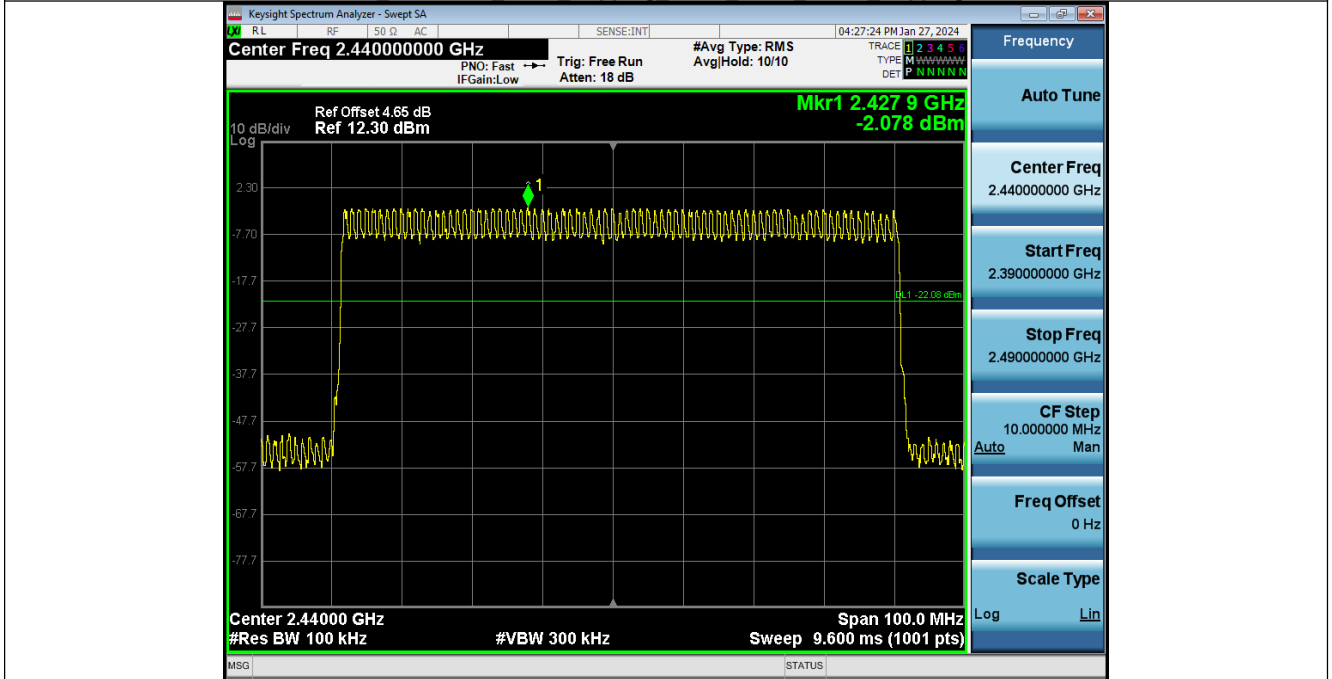
# 1 Reference\_Level\_NVNT\_ANT1\_2-DH1\_2480



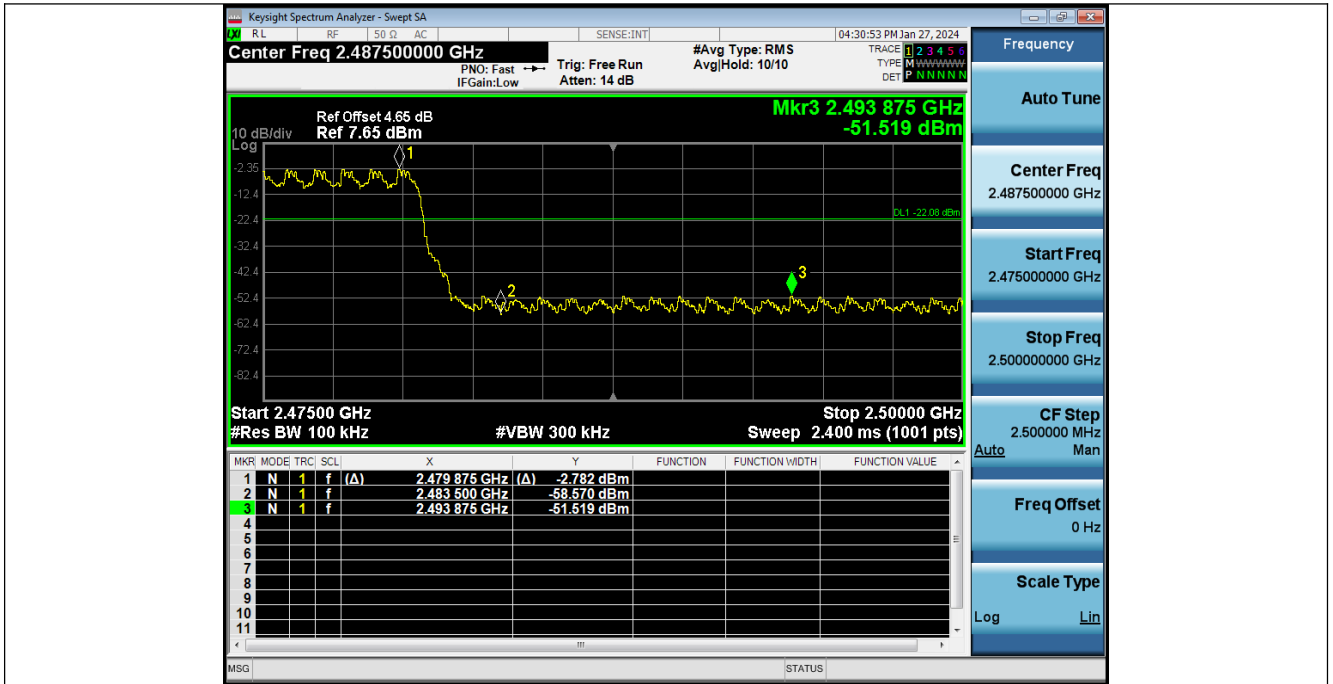
# 2\_Bandedge\_NVNT\_ANT1\_2-DH1\_2480



### 1 Reference\_Level\_Hopping\_NVNT\_ANT1\_2-DH1\_Hopping



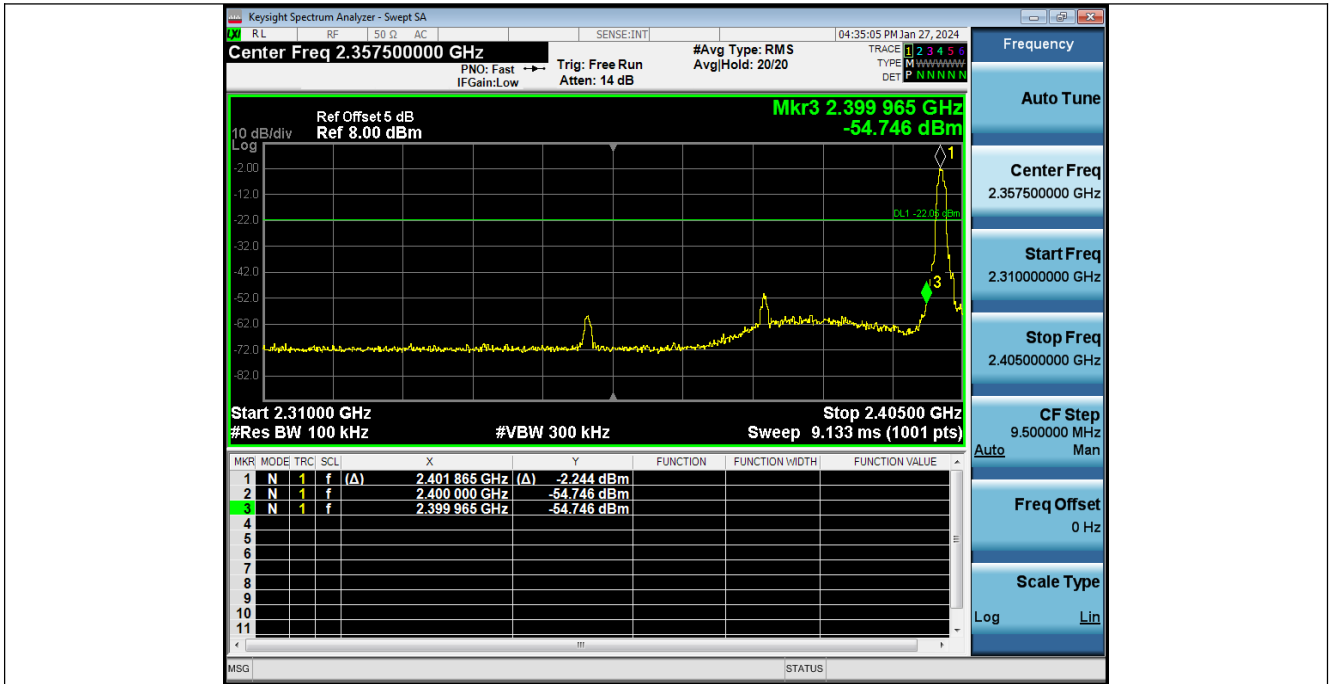
### 2\_Band\_Edge\_(Hopping)\_NVNT\_ANT1\_2-DH1\_Hopping



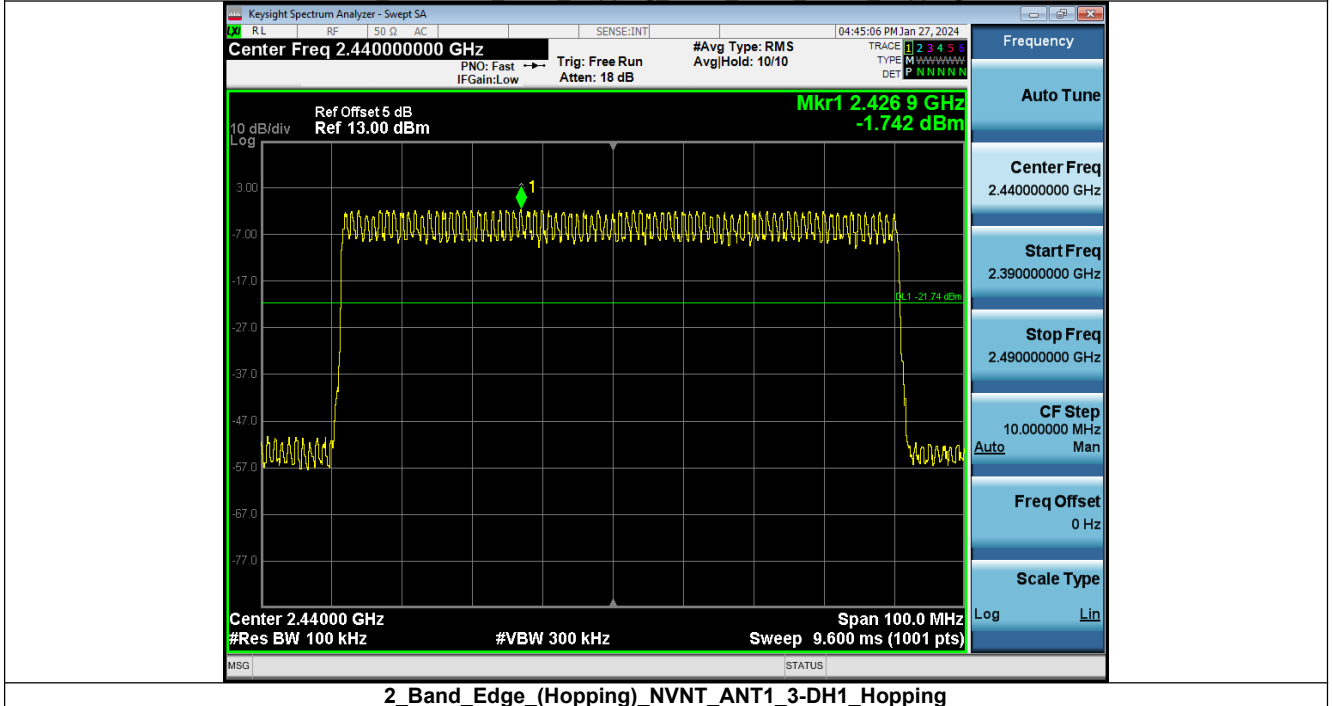
### 1\_Reference\_Level\_NVNT\_ANT1\_3-DH1\_2402



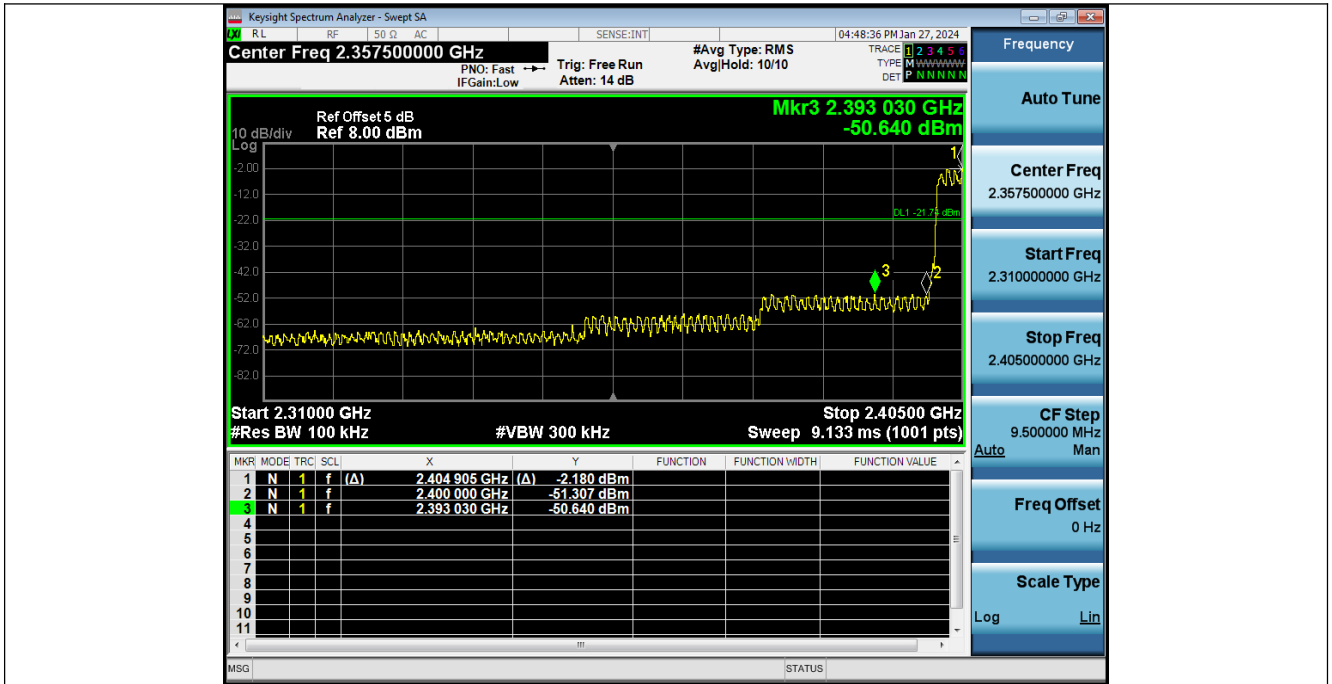
### 2\_Bandedge\_NVNT\_ANT1\_3-DH1\_2402



### 1 Reference\_Level\_Hopping\_NVNT\_ANT1\_3-DH1\_Hopping



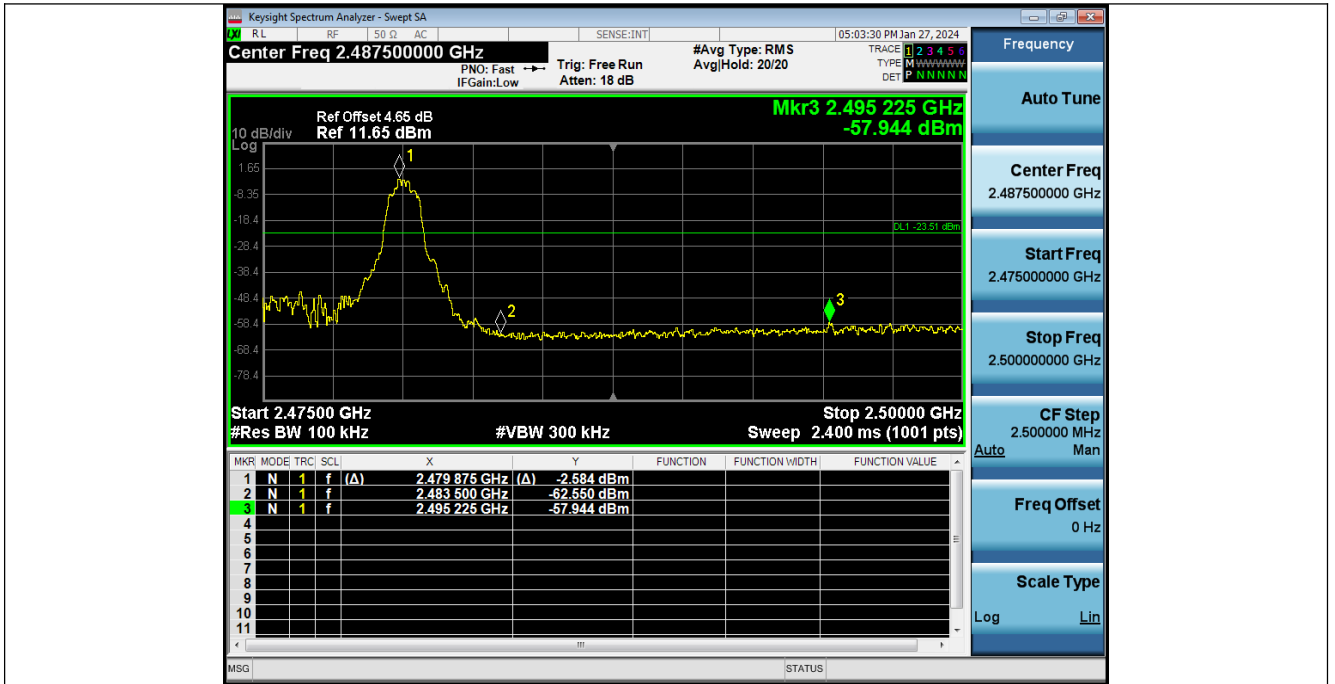
### 2\_Band\_Edge\_(Hopping)\_NVNT\_ANT1\_3-DH1\_Hopping



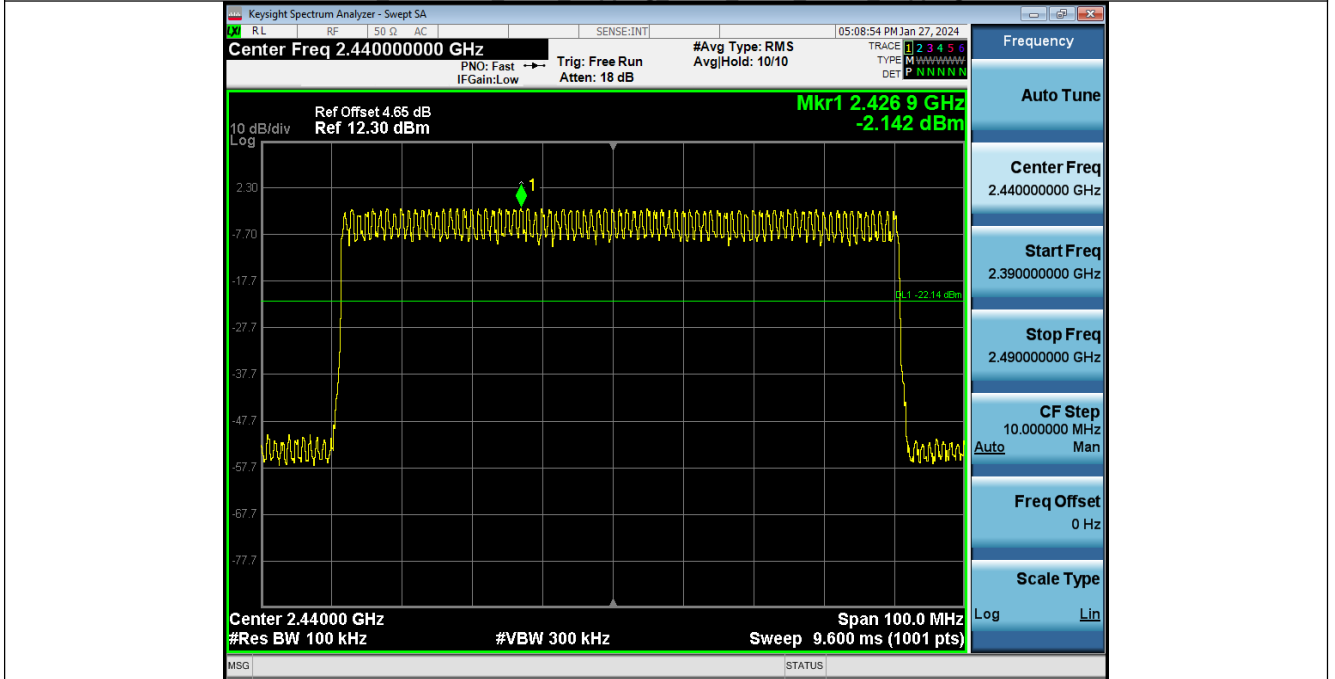
### 1 Reference\_Level\_NVNT\_ANT1\_3-DH1\_2480



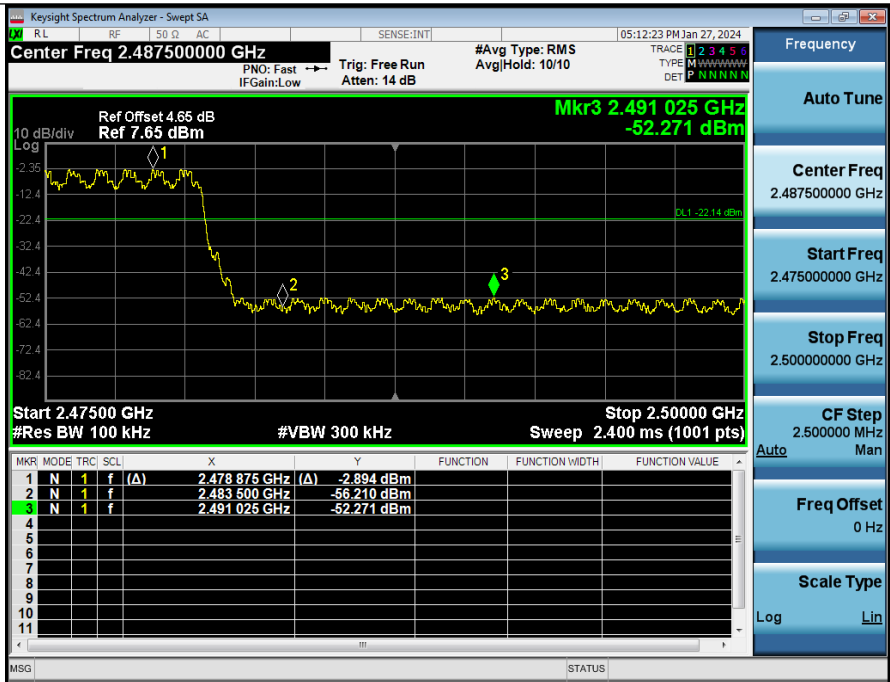
### 2\_Bandedge\_NVNT\_ANT1\_3-DH1\_2480



### 1 Reference\_Level\_Hopping\_NVNT\_ANT1\_3-DH1\_Hopping

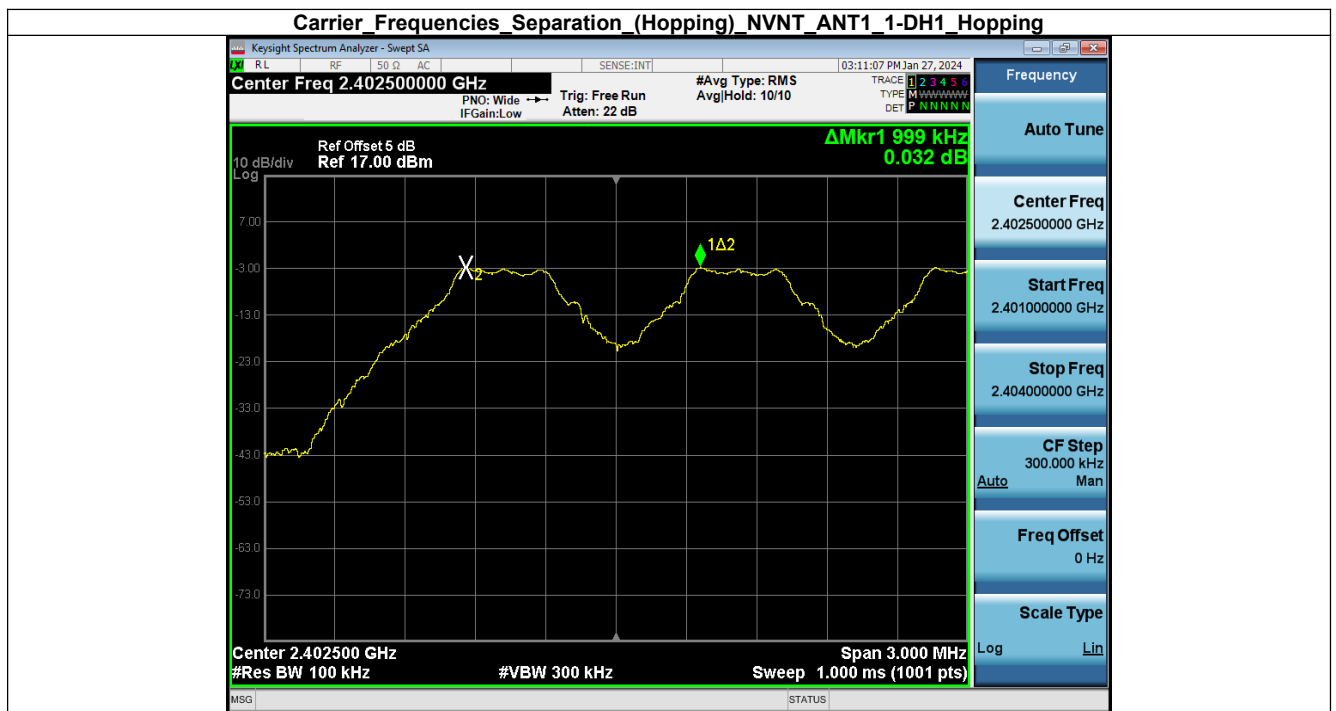


### 2\_Band\_Edge\_(Hopping)\_NVNT\_ANT1\_3-DH1\_Hopping

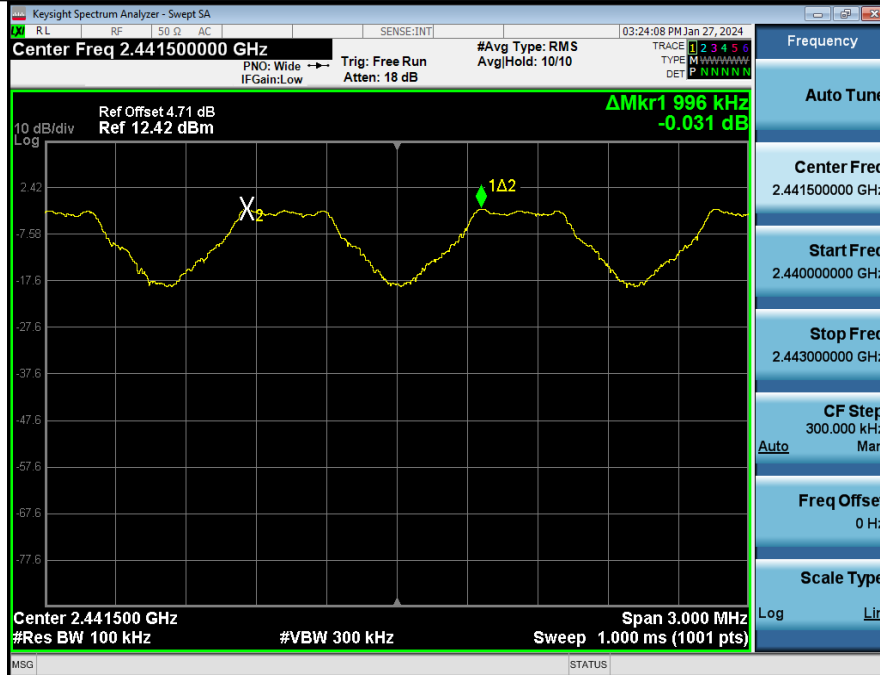


## 6. Carrier Frequencies Separation (Hopping)

| Condition | Antenna | Modulation | Frequency(MHz) | Hopping<br>NO.0<br>(MHz) | Hopping<br>NO.1<br>(MHz) | Carrier Frequencies<br>Separation(MHz) | Limit(MHz) | Result |
|-----------|---------|------------|----------------|--------------------------|--------------------------|----------------------------------------|------------|--------|
| NVNT      | ANT1    | 1-DH1      | 2402.00        | 2401.861                 | 2402.860                 | 1.00                                   | 0.997      | Pass   |
| NVNT      | ANT1    | 1-DH1      | 2441.00        | 2440.861                 | 2441.857                 | 1.00                                   | 0.688      | Pass   |
| NVNT      | ANT1    | 1-DH1      | 2480.00        | 2478.867                 | 2479.860                 | 0.99                                   | 0.688      | Pass   |
| NVNT      | ANT1    | 2-DH1      | 2402.00        | 2401.858                 | 2402.857                 | 1.00                                   | 0.863      | Pass   |
| NVNT      | ANT1    | 2-DH1      | 2441.00        | 2440.855                 | 2441.851                 | 1.00                                   | 0.859      | Pass   |
| NVNT      | ANT1    | 2-DH1      | 2480.00        | 2478.864                 | 2479.866                 | 1.00                                   | 0.857      | Pass   |
| NVNT      | ANT1    | 3-DH1      | 2402.00        | 2401.861                 | 2402.860                 | 1.00                                   | 0.836      | Pass   |
| NVNT      | ANT1    | 3-DH1      | 2441.00        | 2440.858                 | 2441.863                 | 1.00                                   | 0.831      | Pass   |
| NVNT      | ANT1    | 3-DH1      | 2480.00        | 2478.864                 | 2479.863                 | 1.00                                   | 0.843      | Pass   |



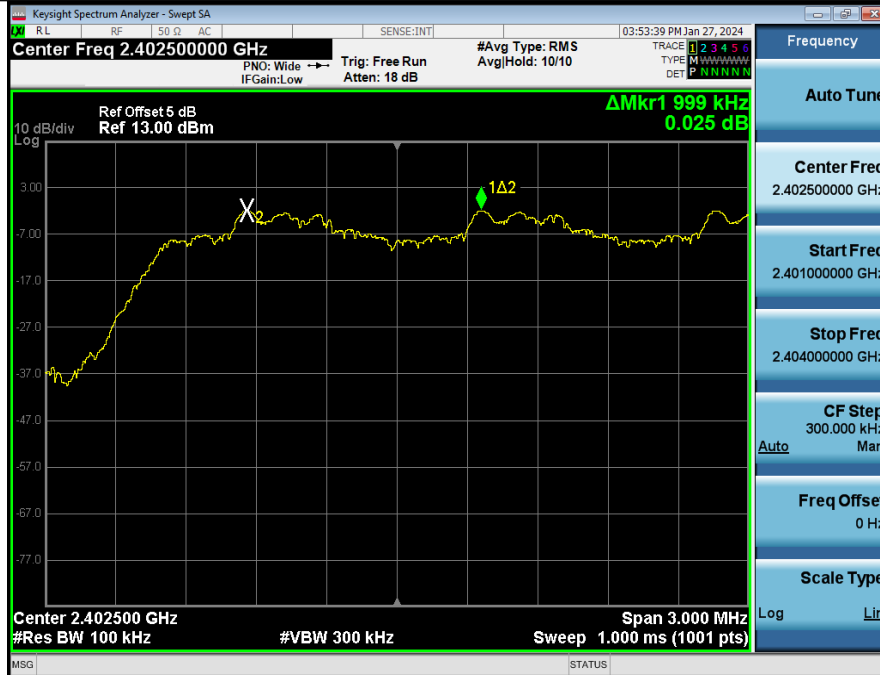
# Carrier Frequencies Separation (Hopping) NVNT\_ANT1\_1-DH1\_Hopping



# Carrier Frequencies Separation (Hopping) NVNT\_ANT1\_1-DH1\_Hopping



# Carrier Frequencies Separation (Hopping) NVNT\_ANT1 2-DH1 Hopping



# Carrier Frequencies Separation (Hopping) NVNT\_ANT1 2-DH1 Hopping



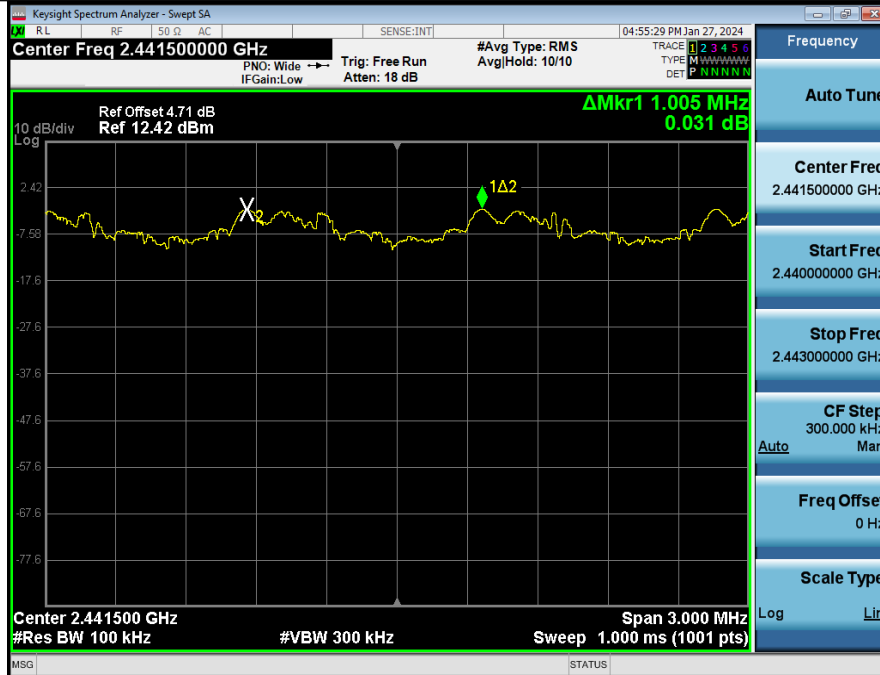
### Carrier Frequencies Separation (Hopping) NVNT\_ANT1 2-DH1 Hopping



### Carrier Frequencies Separation (Hopping) NVNT\_ANT1 3-DH1 Hopping



# Carrier Frequencies Separation (Hopping) NVNT\_ANT1 3-DH1 Hopping

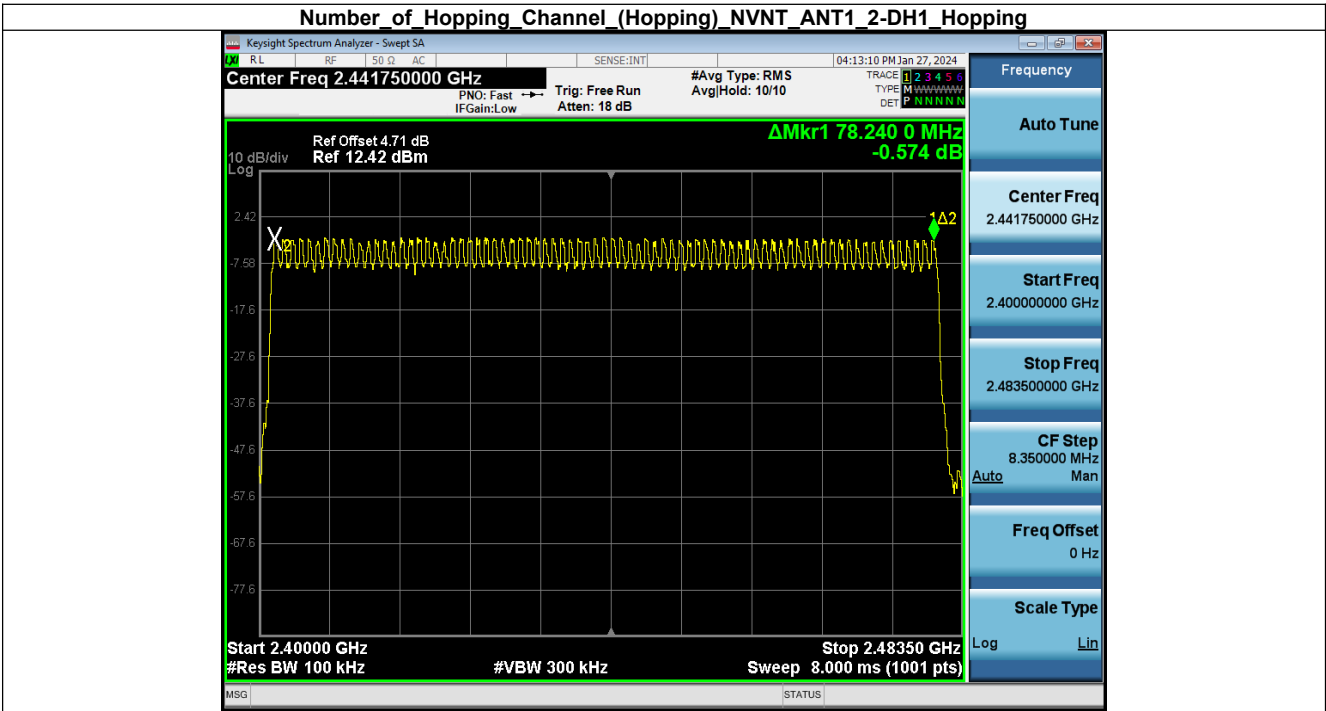
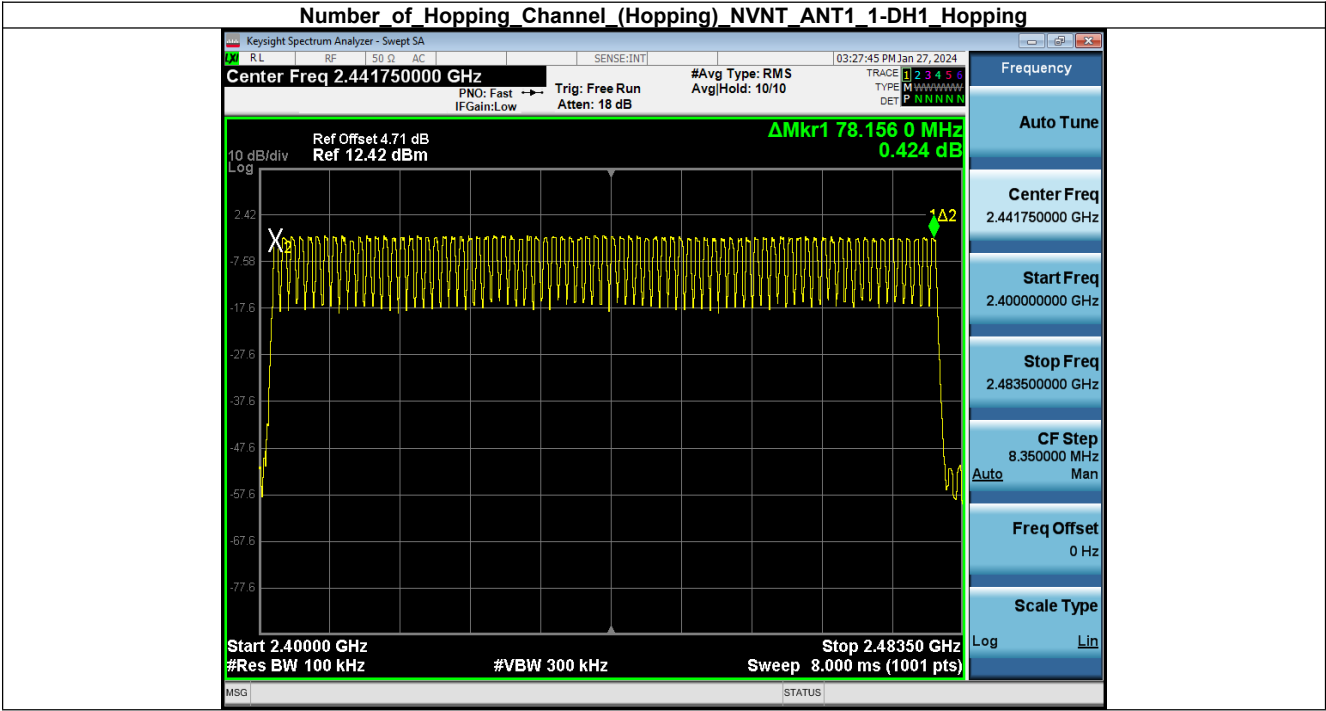


# Carrier Frequencies Separation (Hopping) NVNT\_ANT1 3-DH1 Hopping

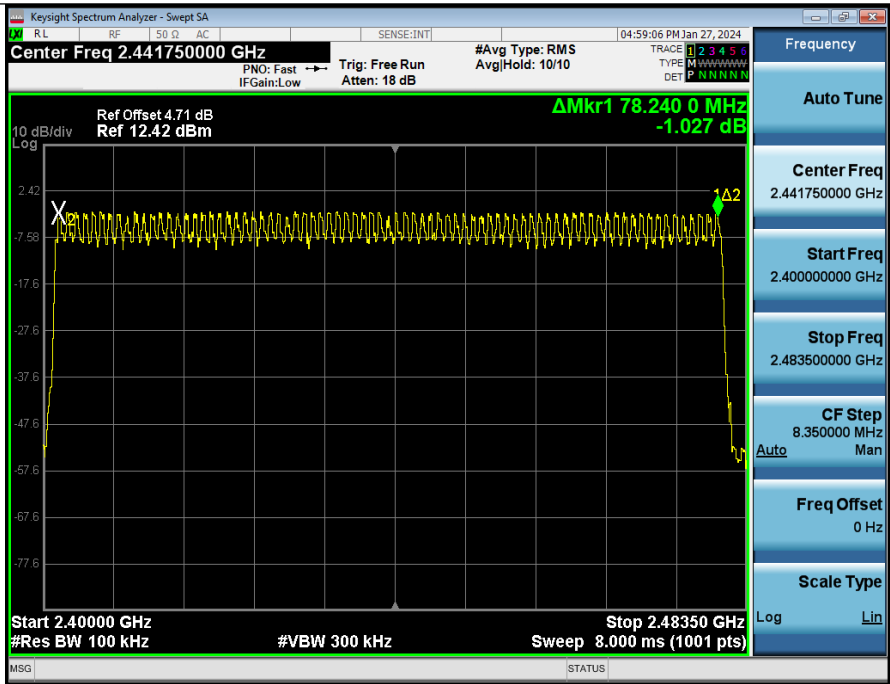


7. Number of Hopping Channel (Hopping)

| Condition | Antenna | Modulation | Hopping Num | Limit | Result |
|-----------|---------|------------|-------------|-------|--------|
| NVNT      | ANT1    | 1-DH1      | 79          | 15    | Pass   |
| NVNT      | ANT1    | 2-DH1      | 79          | 15    | Pass   |
| NVNT      | ANT1    | 3-DH1      | 79          | 15    | Pass   |

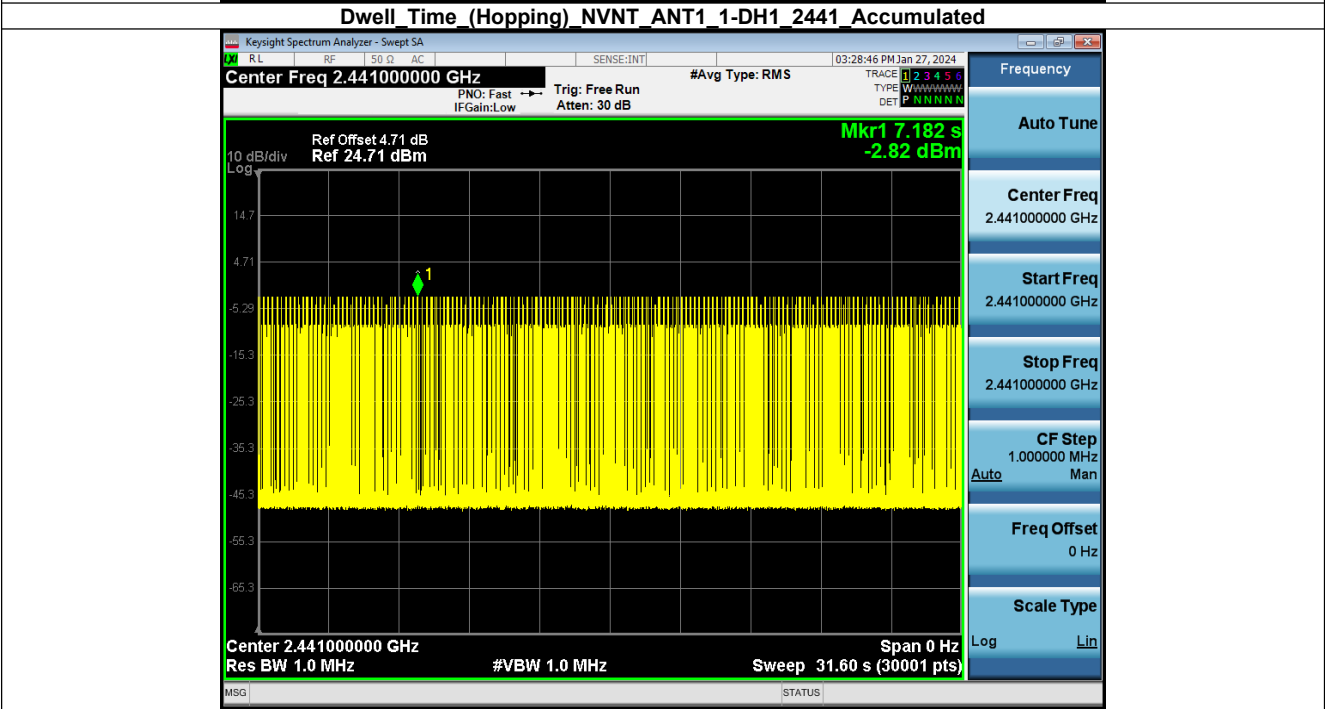
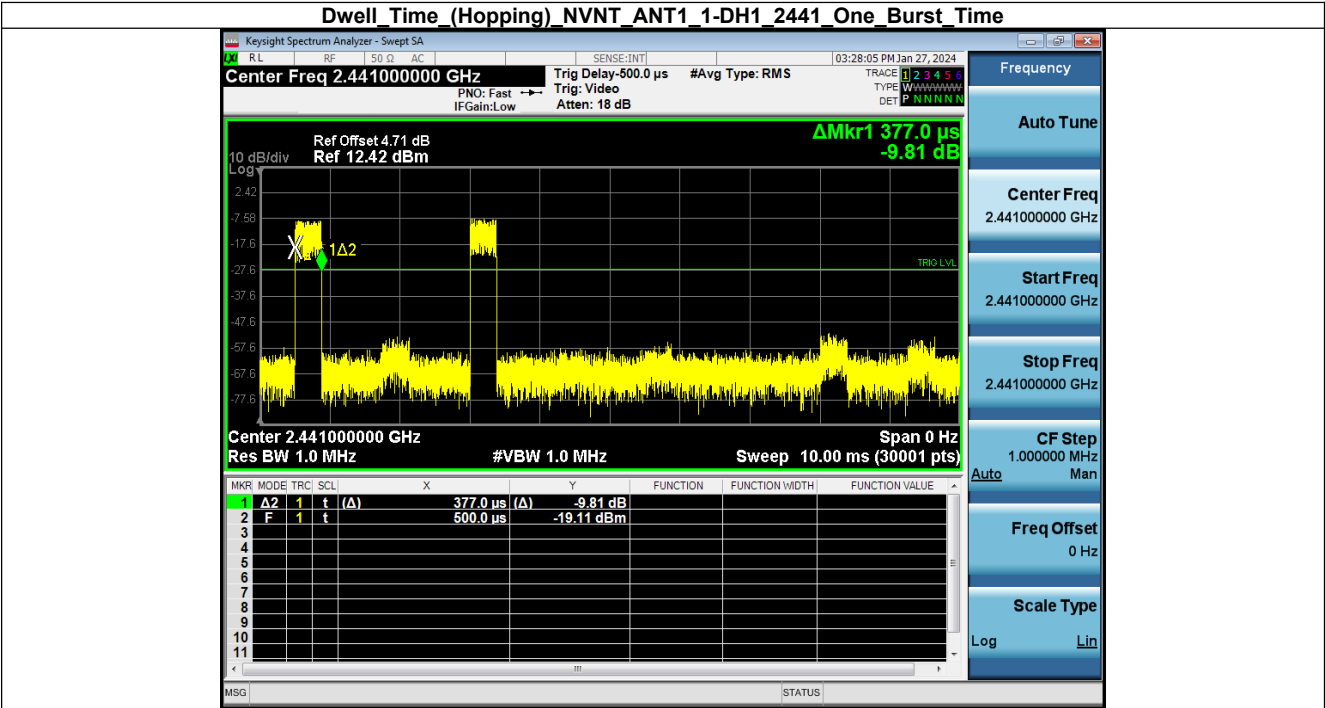


Number\_of\_Hopping\_Channel\_(Hopping)\_NVNT\_ANT1\_3-DH1\_Hopping

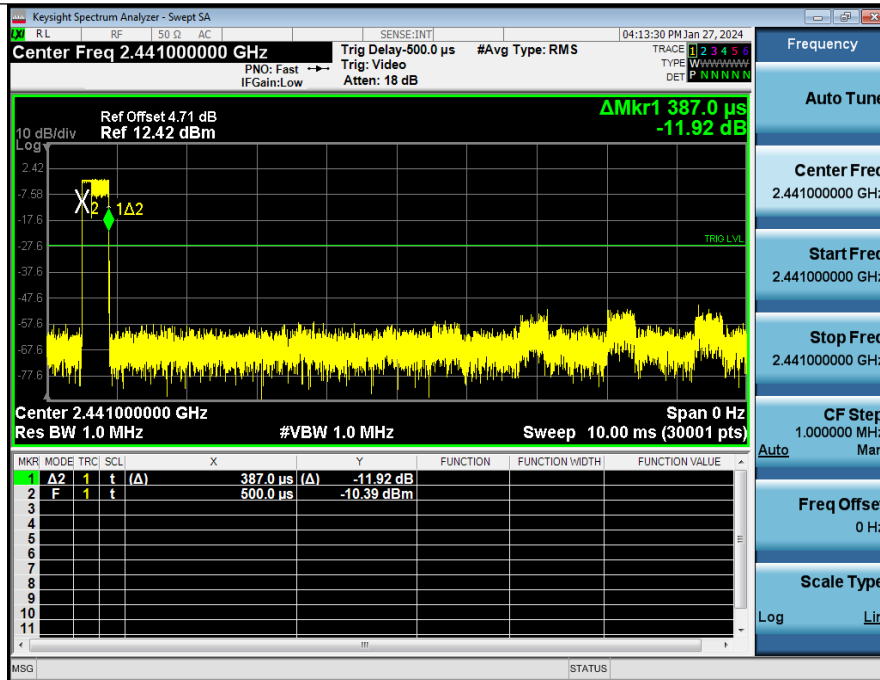


8. Dwell Time (Hopping)

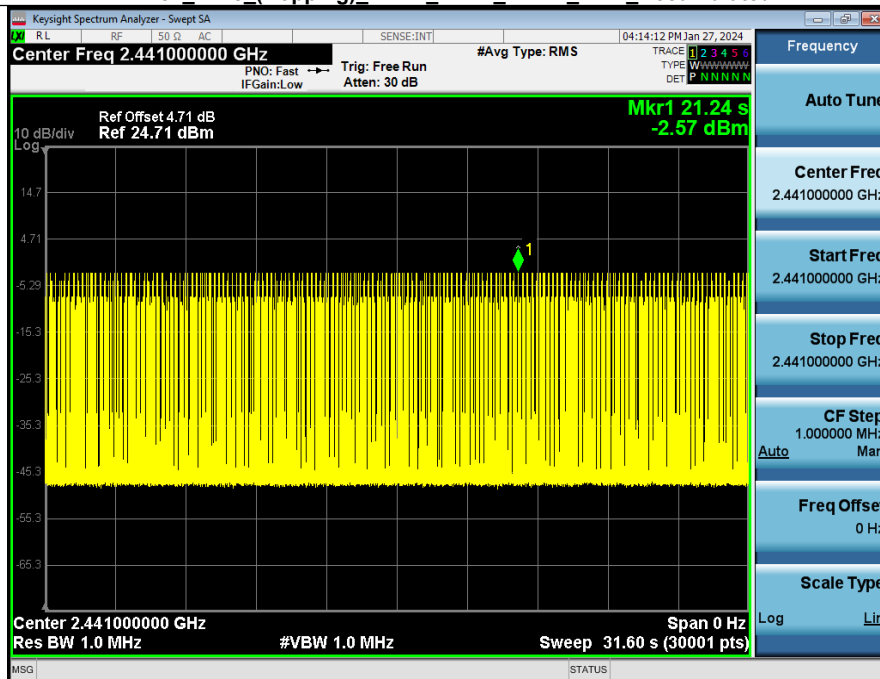
| Condition | Antenna | Packet Type | Pulse Time(ms) | Hops   | Dwell Time(ms) | Limit(s) | Result |
|-----------|---------|-------------|----------------|--------|----------------|----------|--------|
| NVNT      | ANT1    | 1-DH1       | 0.377          | 318.00 | 119.886        | 0.40     | Pass   |
| NVNT      | ANT1    | 2-DH1       | 0.387          | 319.00 | 123.453        | 0.40     | Pass   |
| NVNT      | ANT1    | 3-DH1       | 0.388          | 319.00 | 123.772        | 0.40     | Pass   |
| NVNT      | ANT1    | 1-DH3       | 1.634          | 155.00 | 253.270        | 0.40     | Pass   |
| NVNT      | ANT1    | 1-DH5       | 2.882          | 101.00 | 291.082        | 0.40     | Pass   |
| NVNT      | ANT1    | 2-DH3       | 1.639          | 163.00 | 267.157        | 0.40     | Pass   |
| NVNT      | ANT1    | 2-DH5       | 2.888          | 89.00  | 257.032        | 0.40     | Pass   |
| NVNT      | ANT1    | 3-DH3       | 1.638          | 161.00 | 263.718        | 0.40     | Pass   |
| NVNT      | ANT1    | 3-DH5       | 2.890          | 109.00 | 315.010        | 0.40     | Pass   |



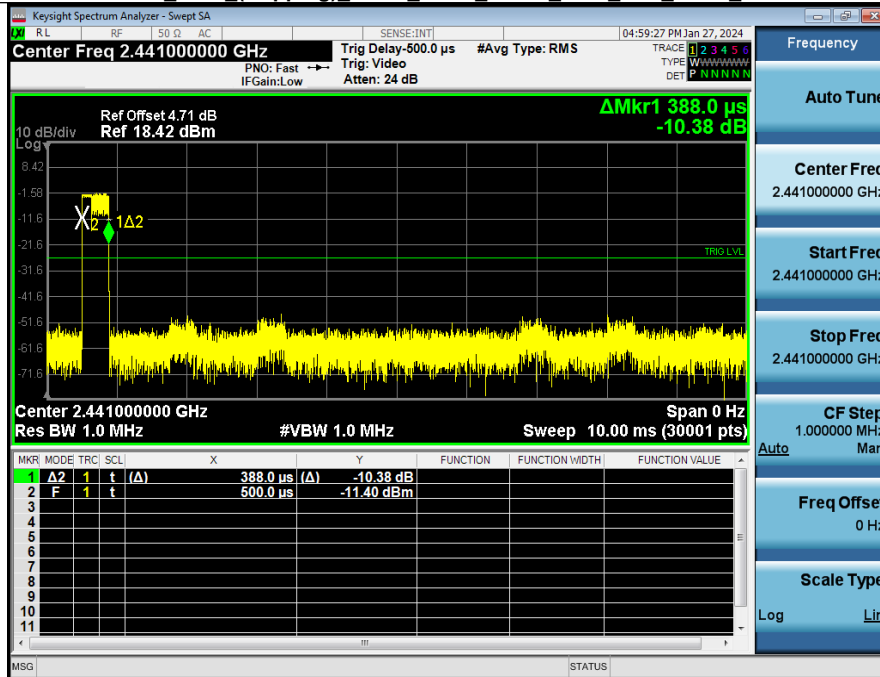
Dwell Time (Hopping) NVNT ANT1 2-DH1 2441 One Burst Time



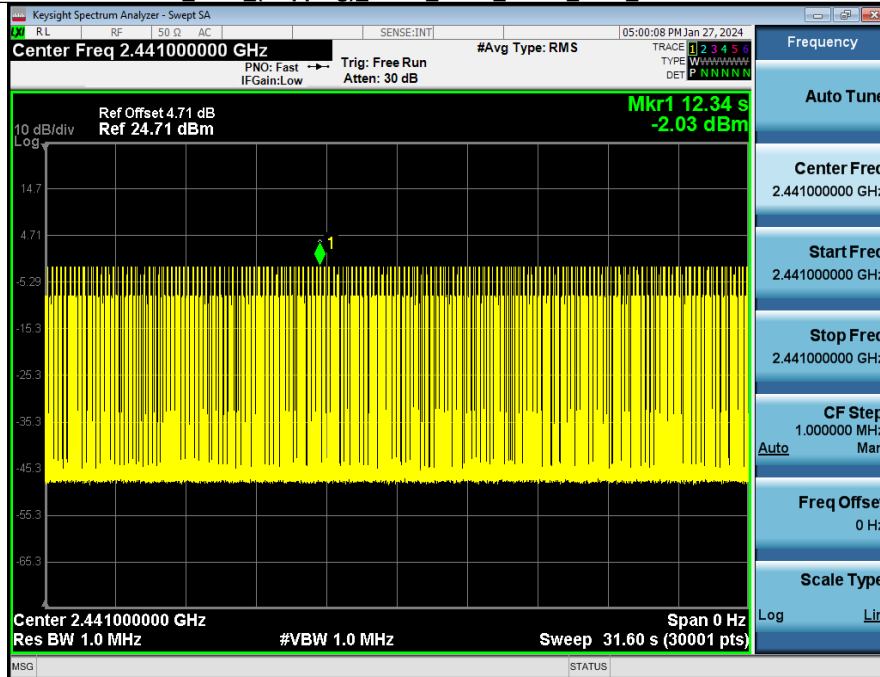
### Dwell Time (Hopping) NVNT\_ANT1\_2-DH1\_2441\_Accumulated



### Dwell Time (Hopping) NVNT\_ANT1\_3-DH1\_2441\_One Burst Time



### Dwell Time (Hopping) NVNT\_ANT1\_3-DH1\_2441\_Accumulated



[illegible]

Keysight Spectrum Analyzer - Swept SA

RL RF S0 D AC SENSE:INT 05:14:55 PM Jan 27, 2024

Center Freq 2.441000000 GHz #Avg Type: RMS

PNO: Fast Trig: Free Run TYPE W 1 2 3 4 5 6  
IFGain: Low Atten: 30 dB

Ref Offset 4.71 dB Mkr1 44.24 ms  
Ref 24.71 dBm -2.84 dBm

10 dB/div Log

Center 2.441000000 GHz Span 0 Hz  
Res BW 1.0 MHz #VBW 1.0 MHz Sweep 31.60 s (30001 pts)

MSG STATUS

Frequency Auto Tune

Center Freq 2.441000000 GHz

Start Freq 2.441000000 GHz

Stop Freq 2.441000000 GHz

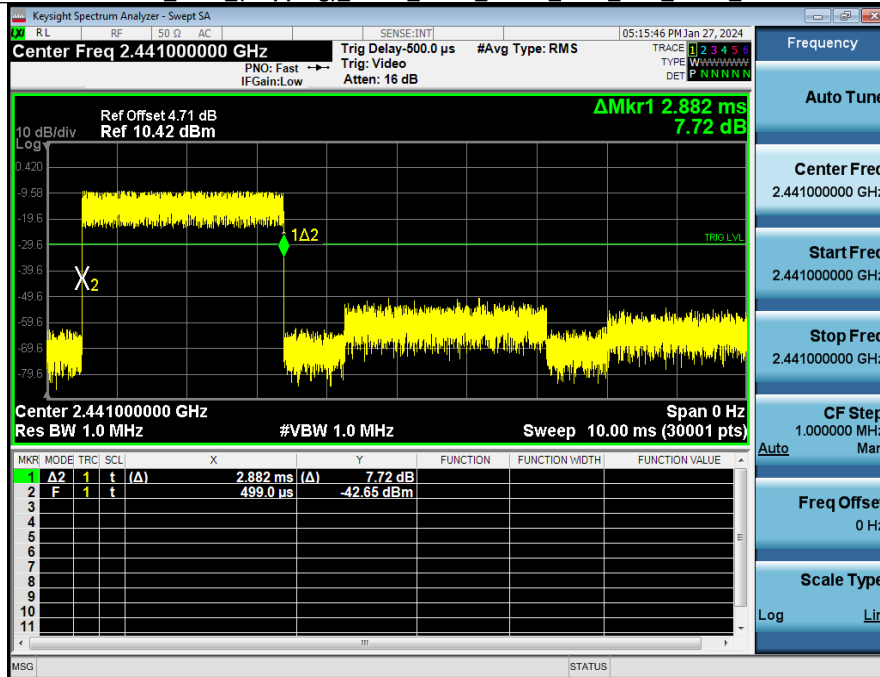
CF Step 1.000000 MHz

Auto Man

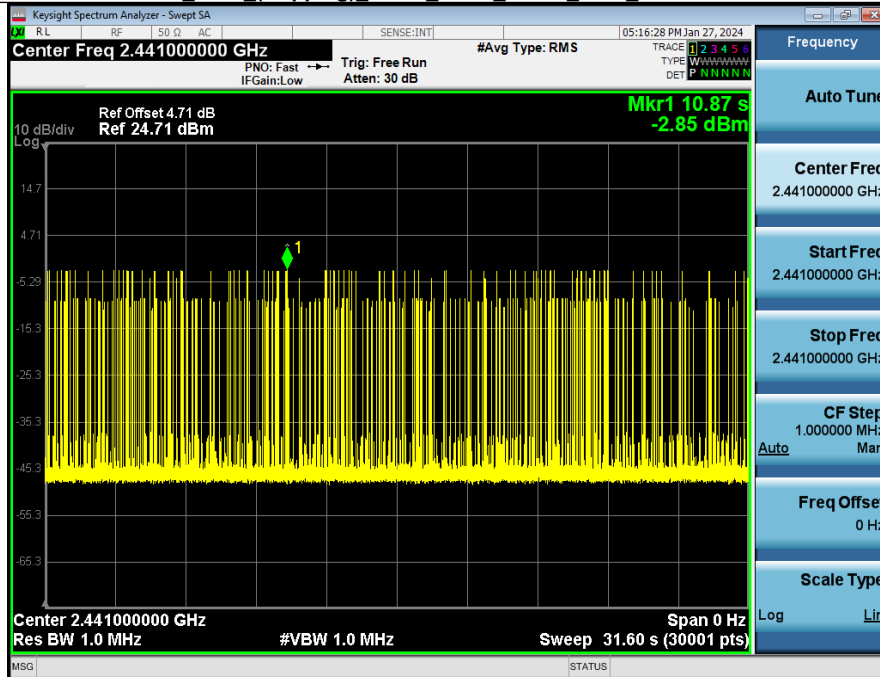
Freq Offset 0 Hz

Scale Type Log Lin

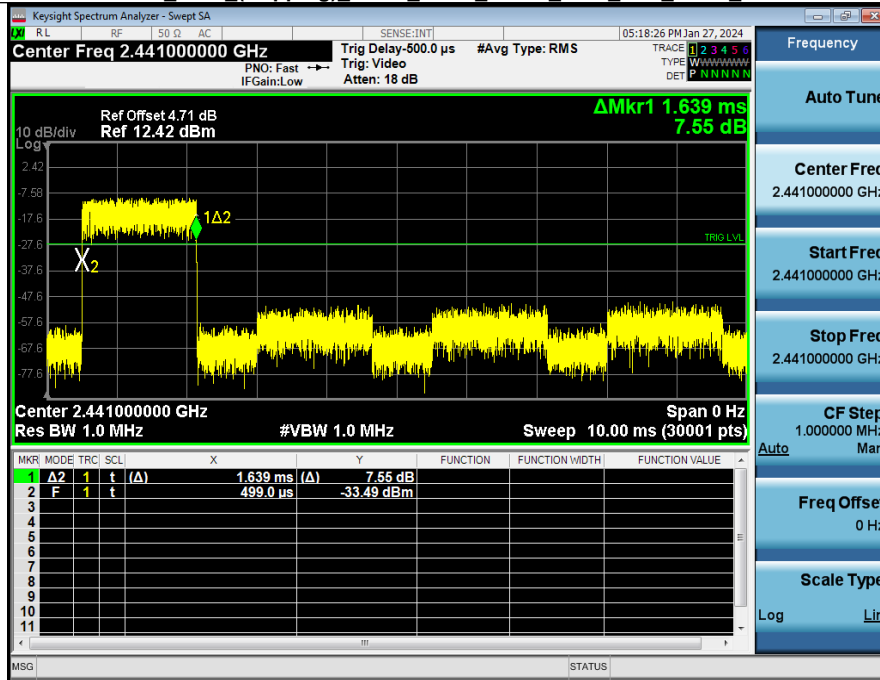
# Dwell Time (Hopping) NVNT\_ANT1\_1-DH5\_2441\_One\_Burst\_Time



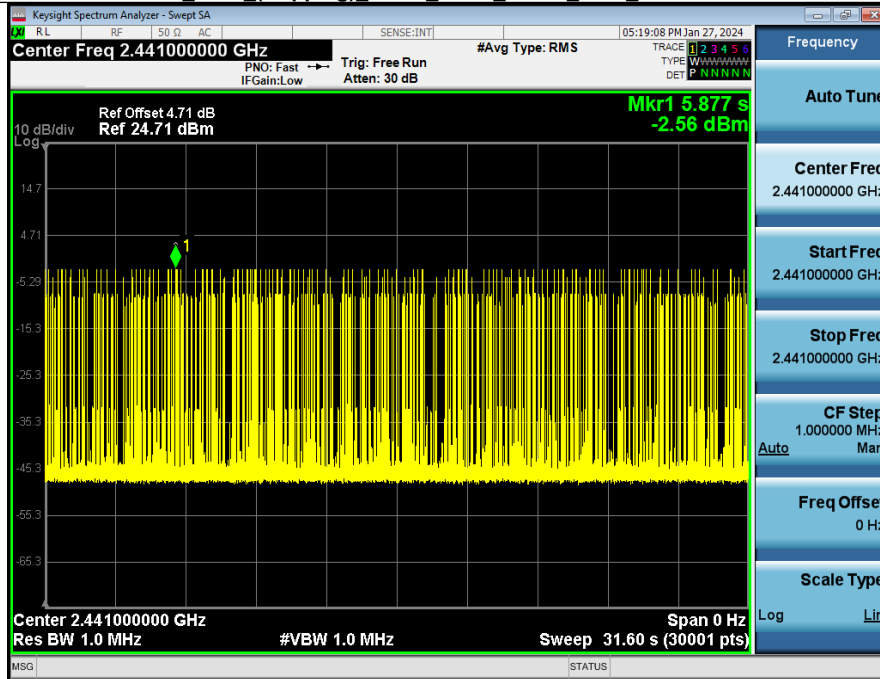
# Dwell Time (Hopping) NVNT\_ANT1\_1-DH5\_2441\_Accumulated



# Dwell Time (Hopping) NVNT\_ANT1\_2-DH3\_2441\_One\_Burst\_Time



# Dwell Time (Hopping) NVNT\_ANT1\_2-DH3\_2441\_Accumulated



Keysight Spectrum Analyzer - Sweep SA

RL RF 50.0 AC SENSE:INT 05:19:54 PM Jan 27, 2024

Center Freq 2.441000000 GHz Trig Delay: 500.0  $\mu$ s #Avg Type: RMS

PNO: Fast IF Gain: Low Trig: Video Atten: 18 dB

TRACE 1 2.3 4 5.6 TYPE WWWWWWW DET P NNNNNN

Ref Offset 4.71 dB  
Ref 12.42 dBm

$\Delta$ Mkr1 2.888 ms  
2.60 dB

10 dB/dlv  
Log

Center 2.441000000 GHz Span 0 Hz  
Res BW 1.0 MHz #VBW 1.0 MHz Sweep 10.00 ms (30001 pts)

| MKR | MODE       | TRC | SCN | X            | Y             | FUNCTION     | FUNCTION WIDTH | FUNCTION VALUE |
|-----|------------|-----|-----|--------------|---------------|--------------|----------------|----------------|
| 1   | $\Delta$ 2 | 1   | t   | ( $\Delta$ ) | 2.888 ms      | ( $\Delta$ ) |                | 2.60 dB        |
| 2   | F          | 1   | t   |              | 499.0 $\mu$ s |              |                | -37.41 dBm     |
| 3   |            |     |     |              |               |              |                |                |
| 4   |            |     |     |              |               |              |                |                |
| 5   |            |     |     |              |               |              |                |                |
| 6   |            |     |     |              |               |              |                |                |
| 7   |            |     |     |              |               |              |                |                |
| 8   |            |     |     |              |               |              |                |                |
| 9   |            |     |     |              |               |              |                |                |
| 10  |            |     |     |              |               |              |                |                |
| 11  |            |     |     |              |               |              |                |                |

MSG

STATUS

Frequency

Auto Tune

Center Freq 2.441000000 GHz

Start Freq 2.441000000 GHz

Stop Freq 2.441000000 GHz

CF Step 1.000000 MHz

Auto

Freq Offset 0 Hz

Scale Type

Log Lin

Keysight Spectrum Analyzer - Swept SA

05:20:36 PM Jan 27, 2024

Center Freq 2.441000000 GHz #Avg Type: RMS

Ref Offset 4.71 dB Ref 24.71 dBm

Trig: Free Run Atten: 30 dB

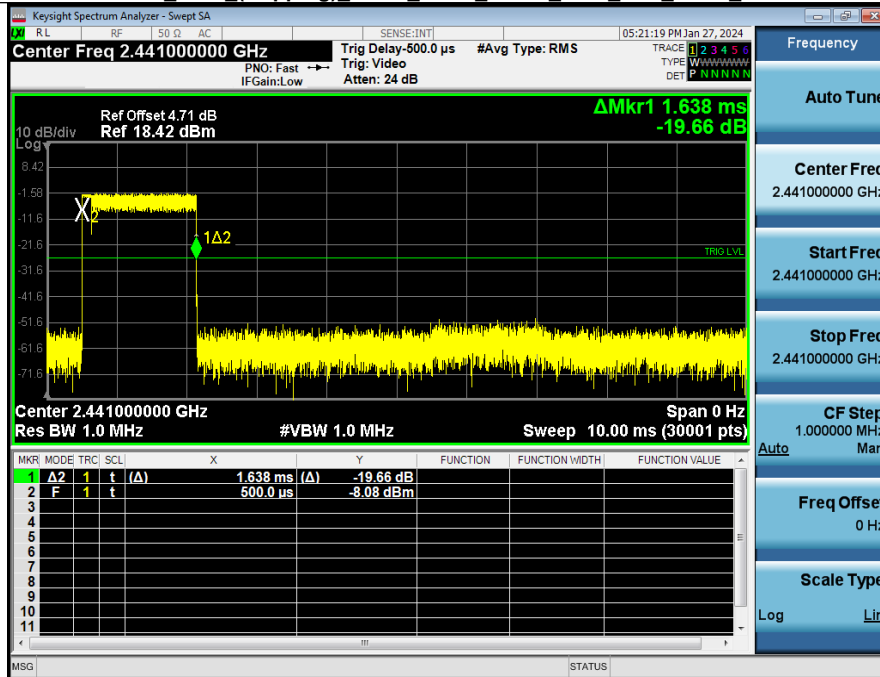
Mkr1 8.134 s -2.54 dBm

10 dB/div Log

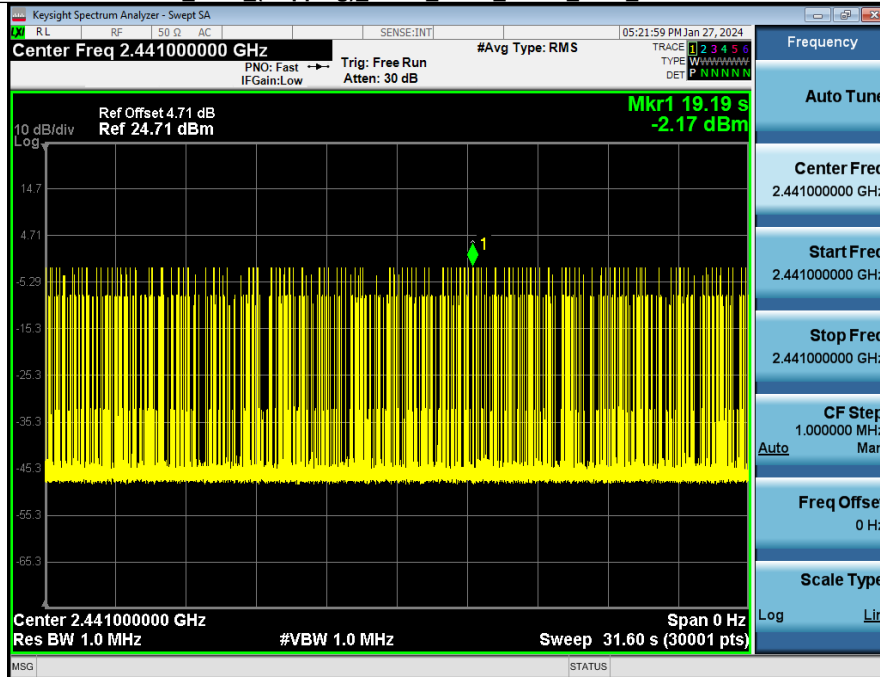
Center 2.441000000 GHz Res BW 1.0 MHz #VBW 1.0 MHz Span 0 Hz Sweep 31.60 s (30001 pts)

MSG STATUS

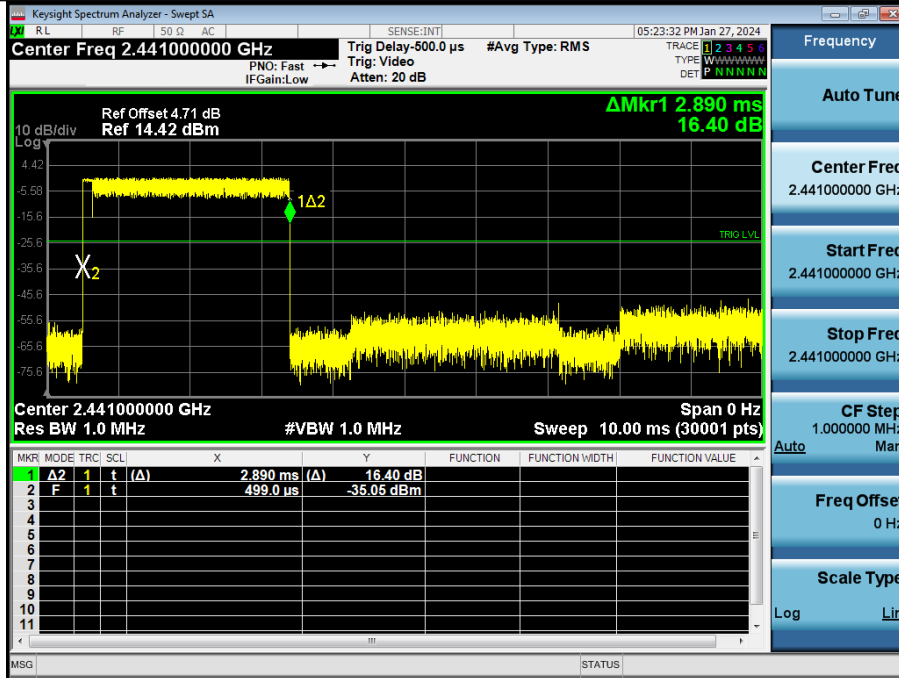
### Dwell Time (Hopping) NVNT\_ANT1\_3-DH3\_2441\_One\_Burst\_Time



### Dwell Time (Hopping) NVNT\_ANT1\_3-DH3\_2441\_Accumulated



# Dwell Time (Hopping) NVNT\_ANT1\_3-DH5\_2441\_One\_Burst\_Time



# Dwell Time (Hopping) NVNT\_ANT1\_3-DH5\_2441\_Accumulated

