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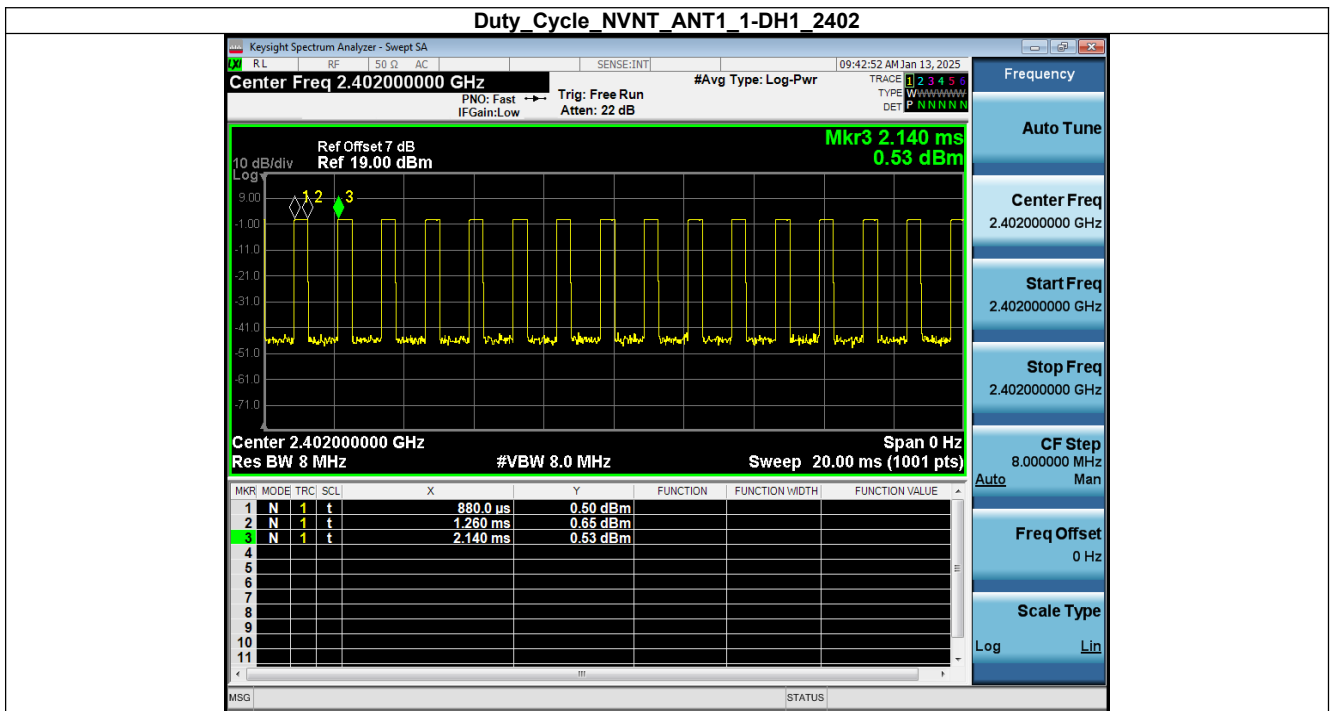
# Report No.:NCT24051452E1-2

## FCC ID:2BMXP-BTW055PRO

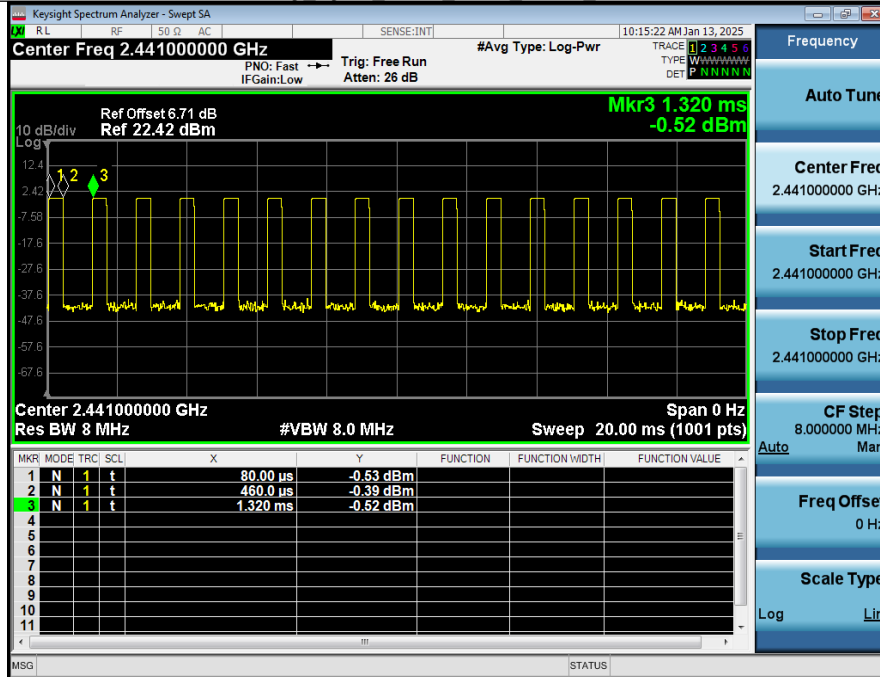
### FCC\_BT (Part15.247) Test Data

#### 1. Duty Cycle

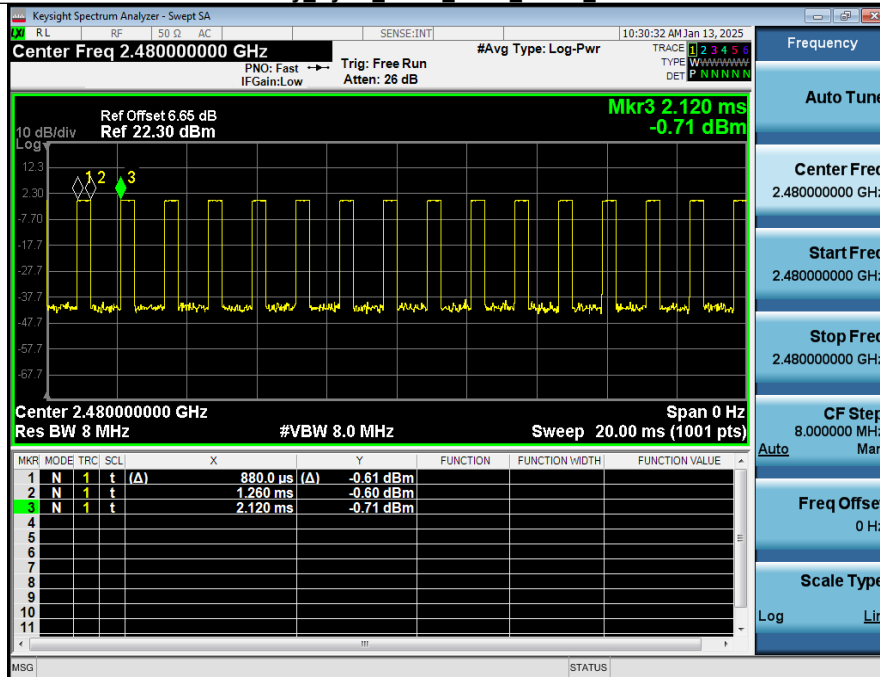
| Condition | Antenna | Rate  | Frequency (MHz) | Dutycycle(%) | Duty_factor |
|-----------|---------|-------|-----------------|--------------|-------------|
| NVNT      | ANT1    | 1-DH1 | 2402.00         | 31.75        | 4.98        |
| NVNT      | ANT1    | 1-DH1 | 2441.00         | 30.65        | 5.14        |
| NVNT      | ANT1    | 1-DH1 | 2480.00         | 32.26        | 4.91        |
| NVNT      | ANT1    | 2-DH1 | 2402.00         | 33.33        | 4.77        |
| NVNT      | ANT1    | 2-DH1 | 2441.00         | 33.87        | 4.70        |
| NVNT      | ANT1    | 2-DH1 | 2480.00         | 31.75        | 4.98        |
| NVNT      | ANT1    | 3-DH1 | 2402.00         | 32.26        | 4.91        |
| NVNT      | ANT1    | 3-DH1 | 2441.00         | 32.26        | 4.91        |
| NVNT      | ANT1    | 3-DH1 | 2480.00         | 31.75        | 4.98        |



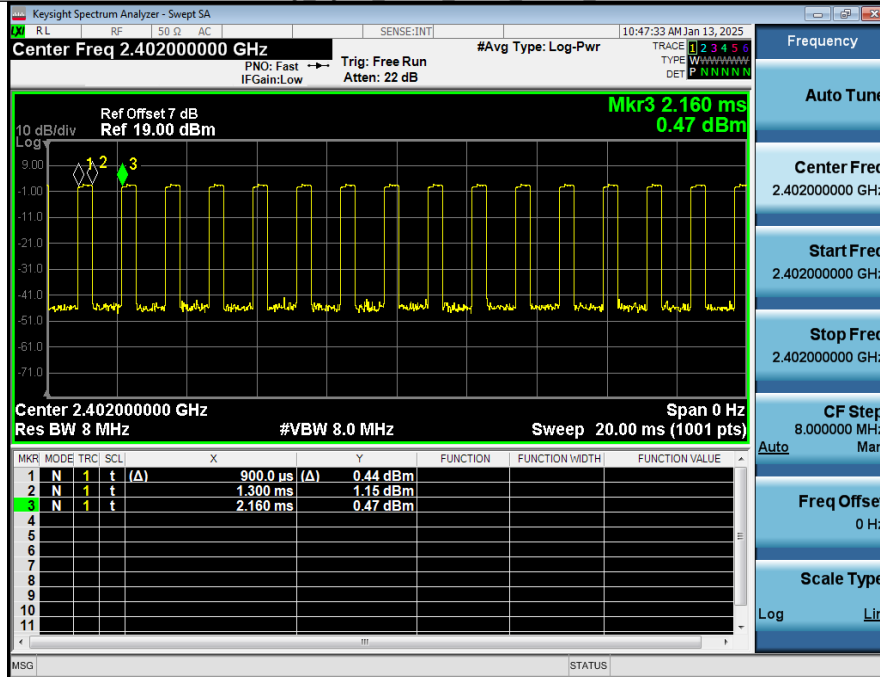
### Duty Cycle\_NVNT\_ANT1\_1-DH1\_2441



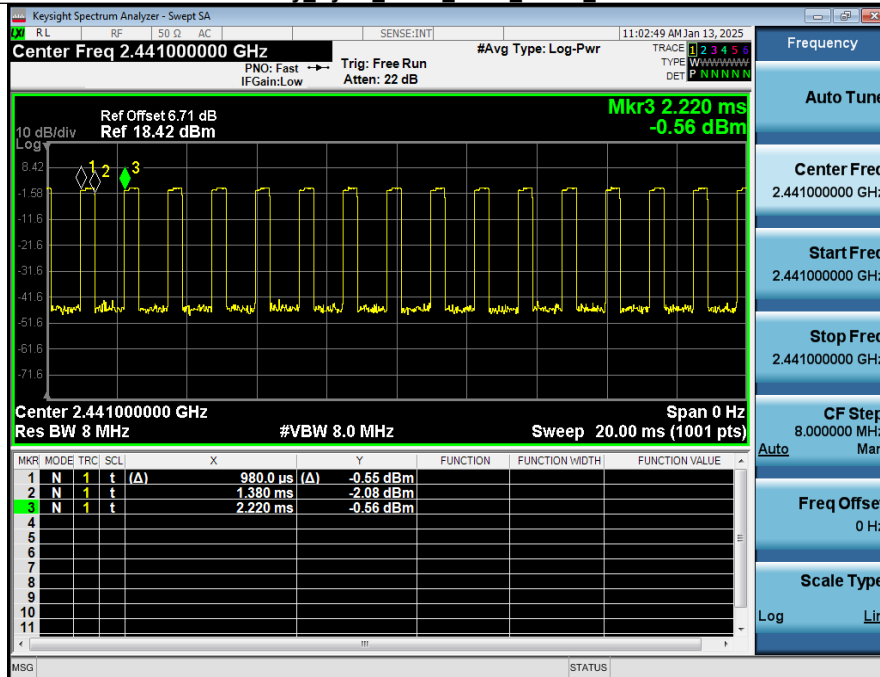
### Duty Cycle\_NVNT\_ANT1\_1-DH1\_2480



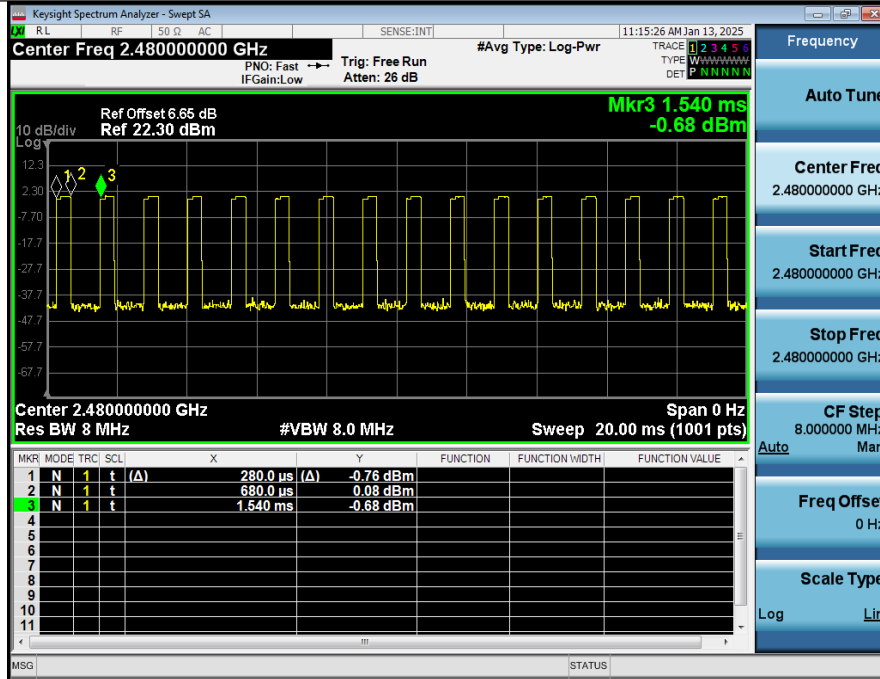
### Duty Cycle\_NVNT\_ANT1\_2-DH1\_2402



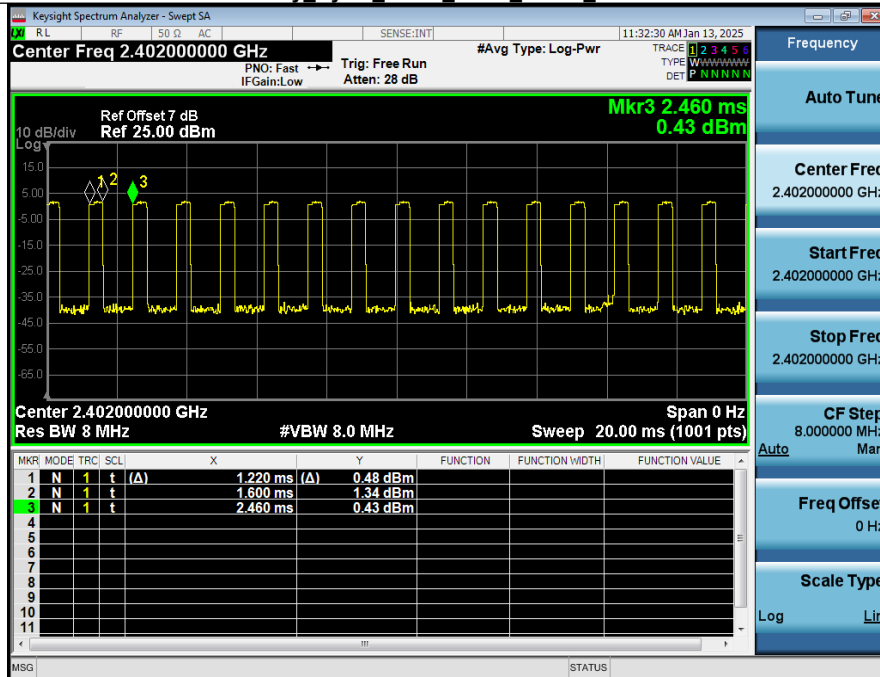
### Duty Cycle\_NVNT\_ANT1\_2-DH1\_2441



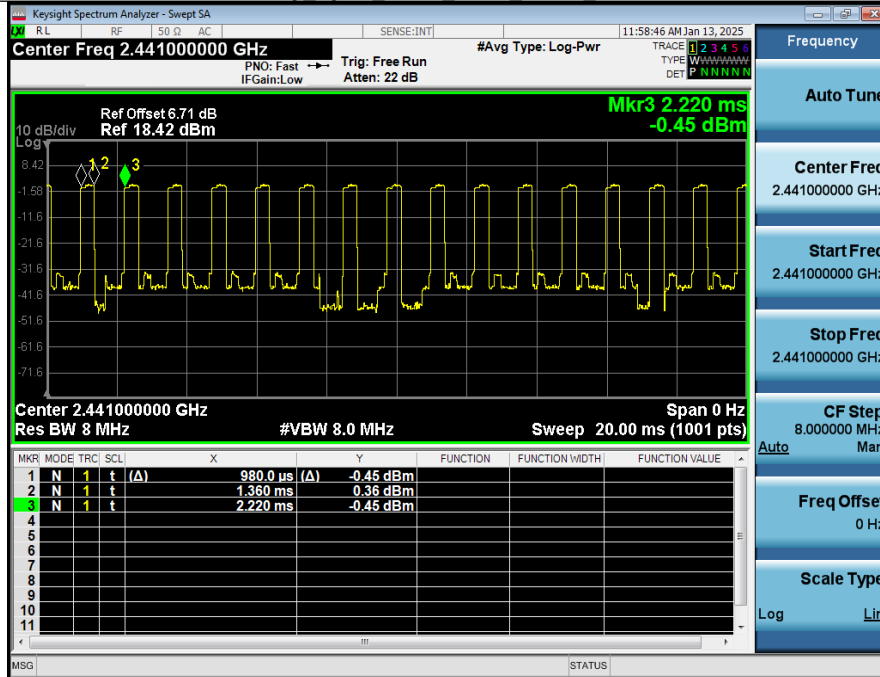
### Duty Cycle NVNT\_ANT1\_2-DH1\_2480



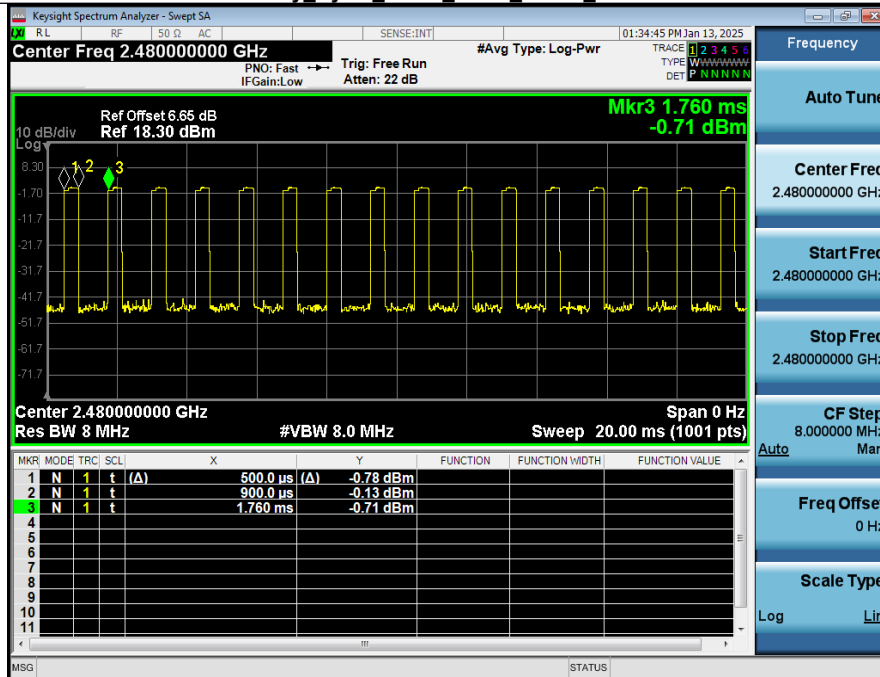
### Duty Cycle NVNT\_ANT1\_3-DH1\_2402



### Duty Cycle\_NVNT\_ANT1\_3-DH1\_2441

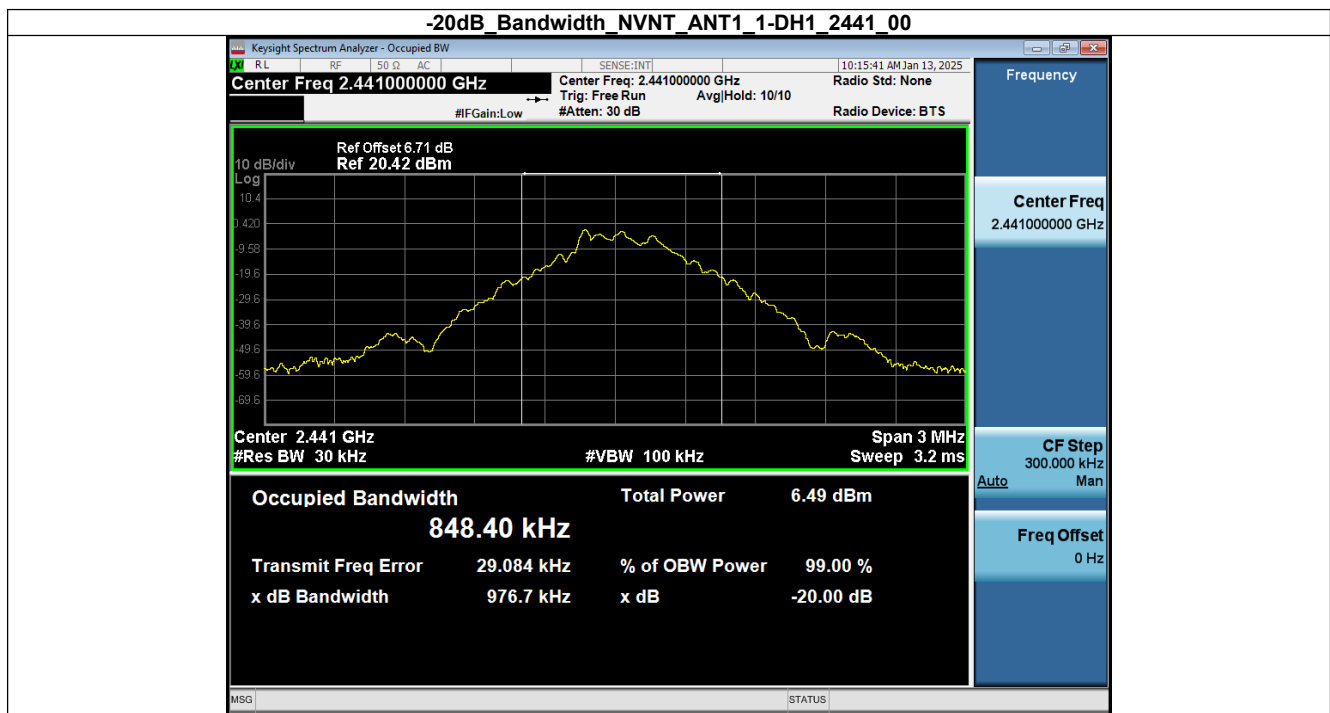
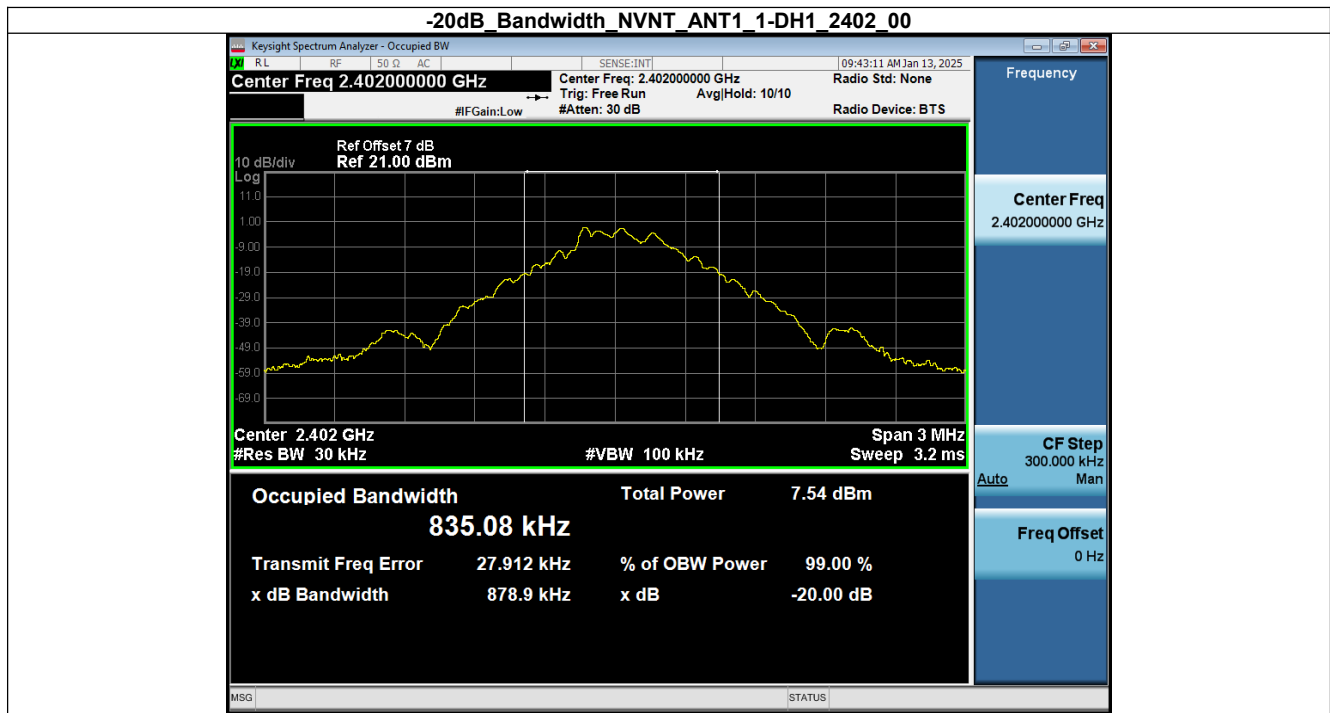


### Duty Cycle\_NVNT\_ANT1\_3-DH1\_2480

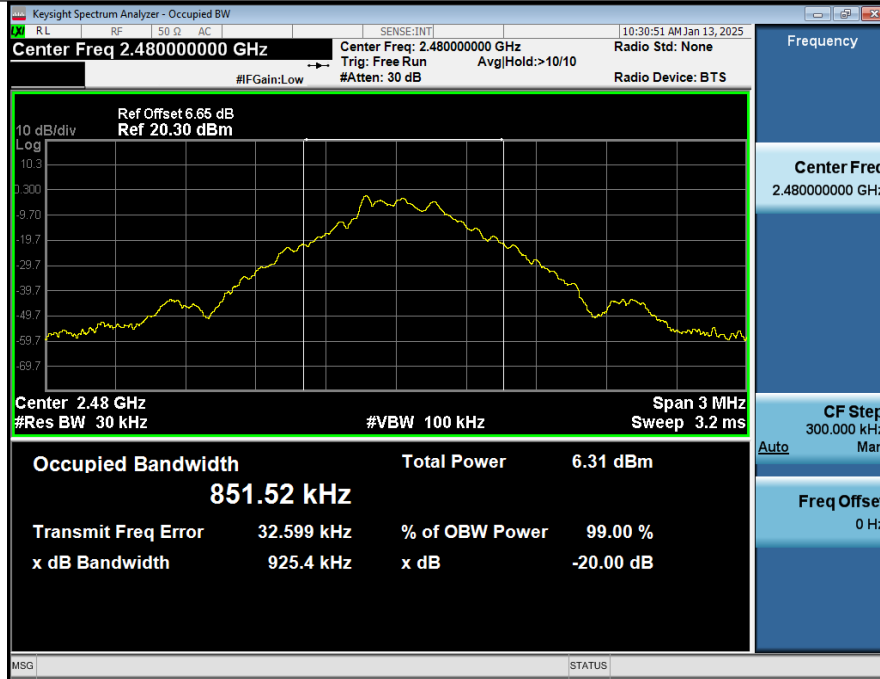


2. -20dB Bandwidth

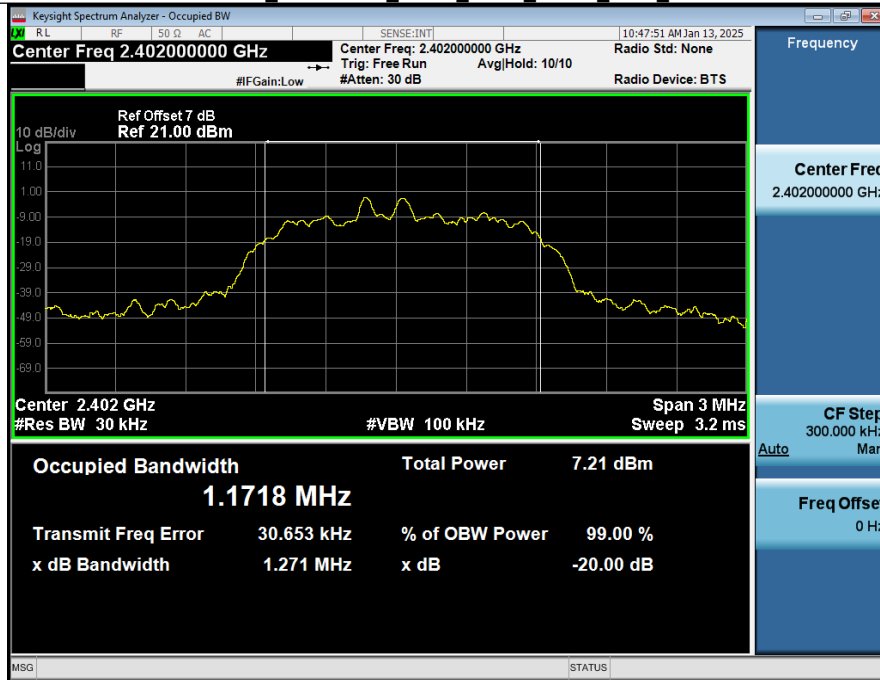
| Condition | Antenna | Modulation | Frequency (MHz) | -20dB BW(MHz) | if larger than CFS |
|-----------|---------|------------|-----------------|---------------|--------------------|
| NVNT      | ANT1    | 1-DH1      | 2402.00         | 0.879         | No                 |
| NVNT      | ANT1    | 1-DH1      | 2441.00         | 0.977         | No                 |
| NVNT      | ANT1    | 1-DH1      | 2480.00         | 0.925         | No                 |
| NVNT      | ANT1    | 2-DH1      | 2402.00         | 1.271         | Yes                |
| NVNT      | ANT1    | 2-DH1      | 2441.00         | 1.277         | Yes                |
| NVNT      | ANT1    | 2-DH1      | 2480.00         | 1.272         | Yes                |
| NVNT      | ANT1    | 3-DH1      | 2402.00         | 1.225         | Yes                |
| NVNT      | ANT1    | 3-DH1      | 2441.00         | 1.225         | Yes                |
| NVNT      | ANT1    | 3-DH1      | 2480.00         | 1.247         | Yes                |



-20dB\_Bandwidth\_NVNT\_ANT1\_1-DH1\_2480\_00

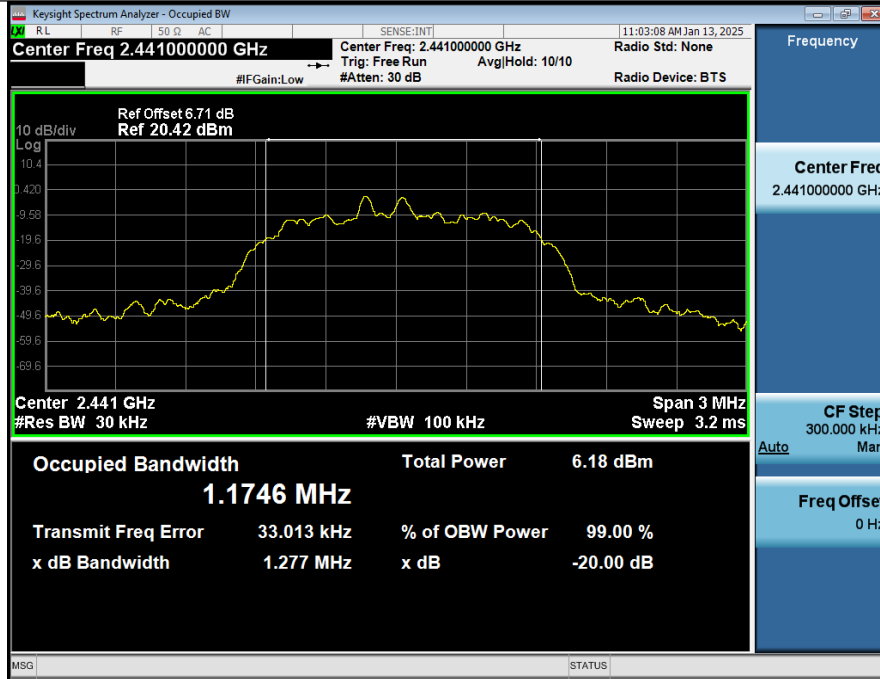


-20dB\_Bandwidth\_NVNT\_ANT1\_2-DH1\_2402\_00

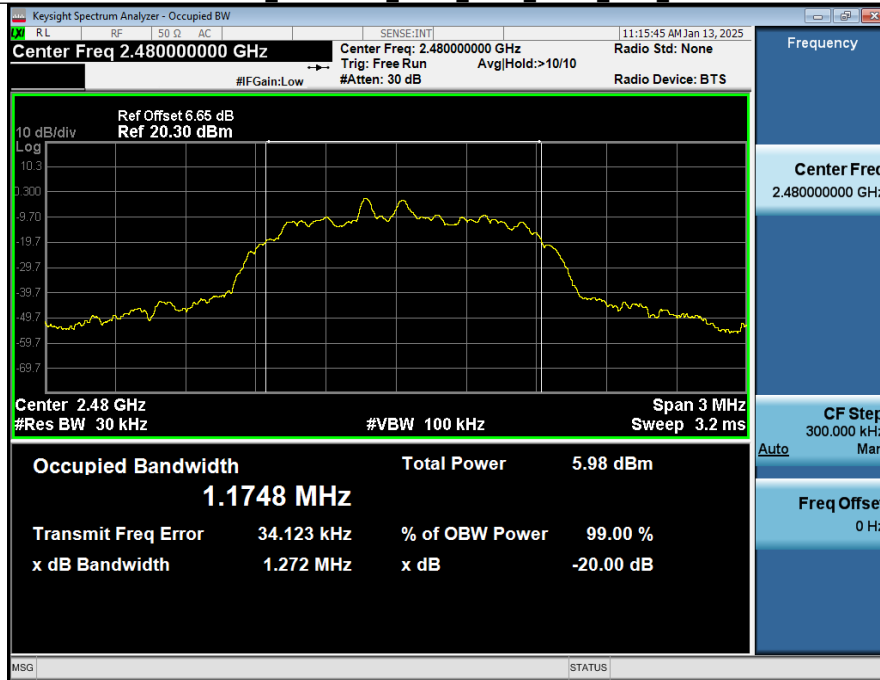




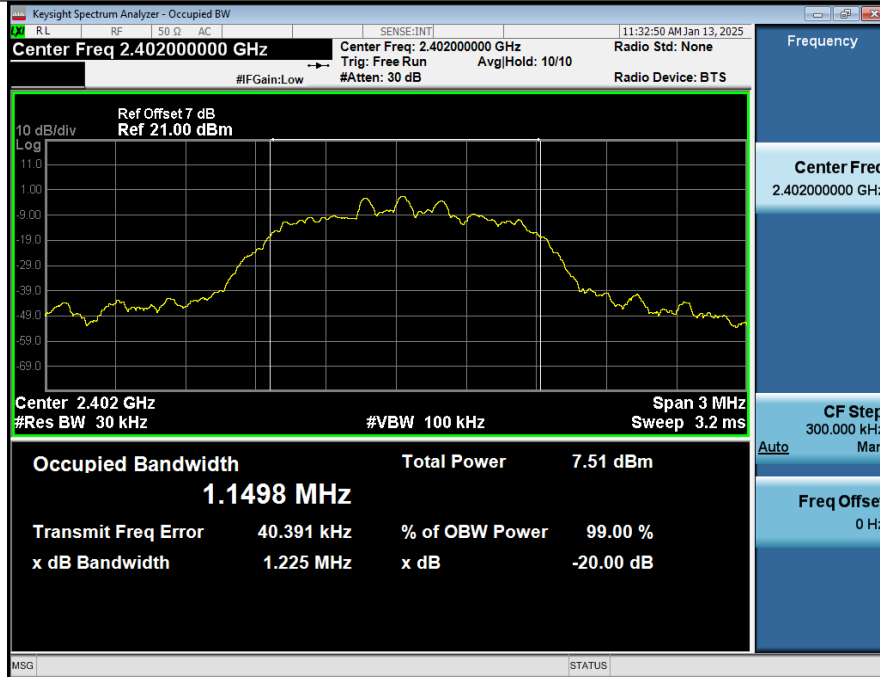
-20dB\_Bandwidth\_NVNT\_ANT1\_2-DH1\_2441\_00



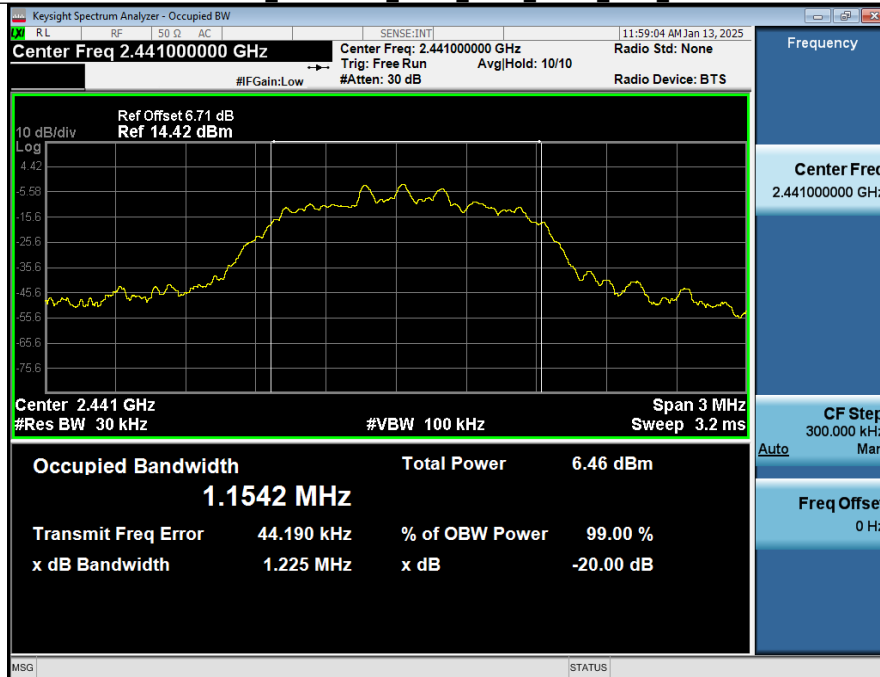
-20dB\_Bandwidth\_NVNT\_ANT1\_2-DH1\_2480\_00



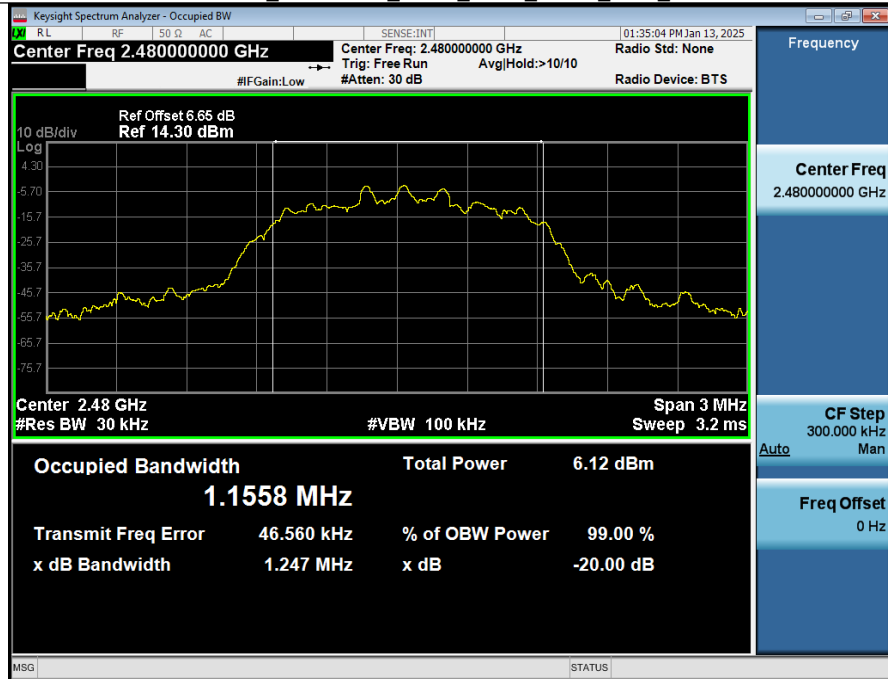
-20dB\_Bandwidth\_NVNT\_ANT1\_3-DH1\_2402\_00



-20dB\_Bandwidth\_NVNT\_ANT1\_3-DH1\_2441\_00

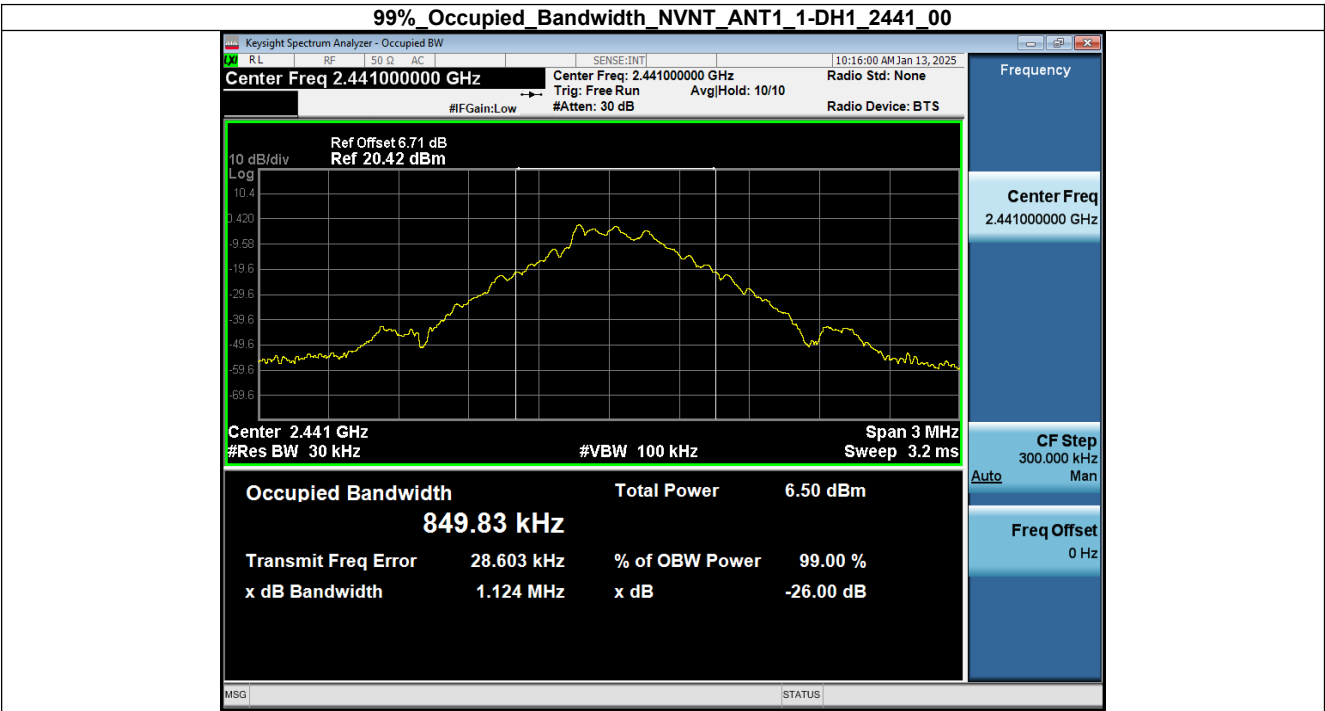
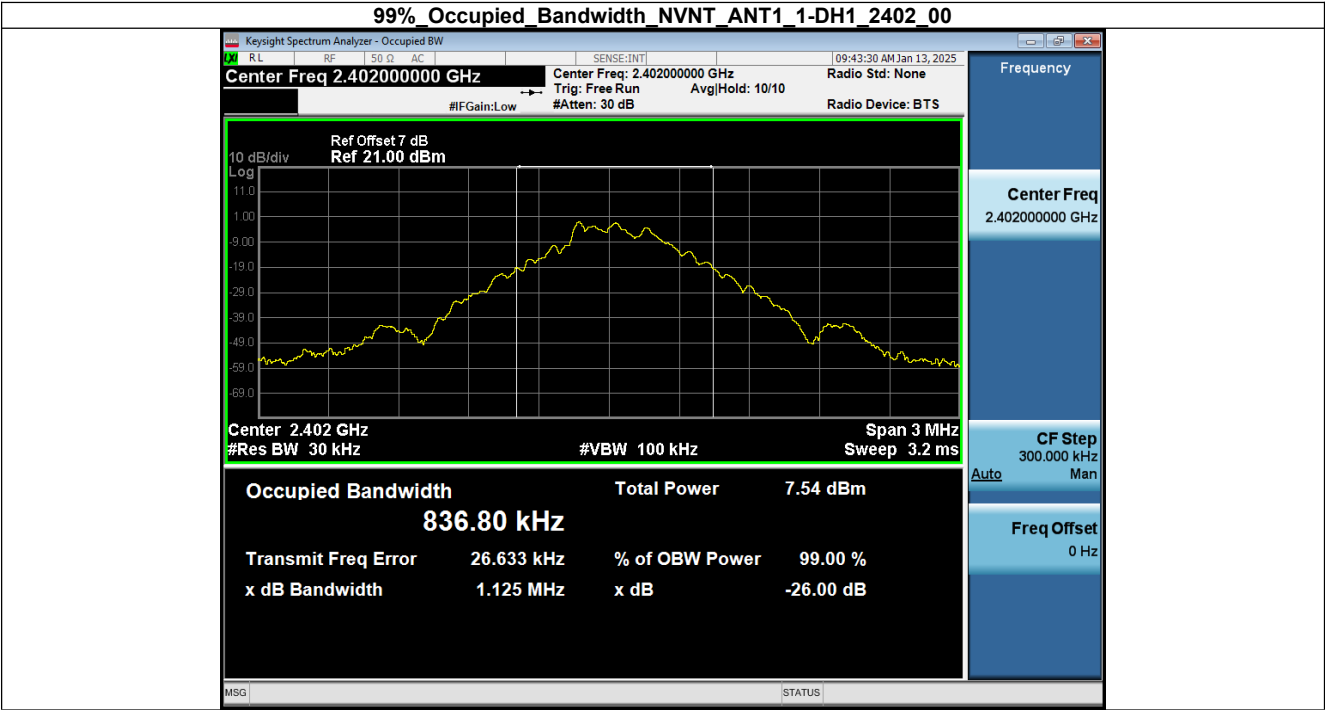


-20dB\_Bandwidth\_NVNT\_ANT1\_3-DH1\_2480\_00

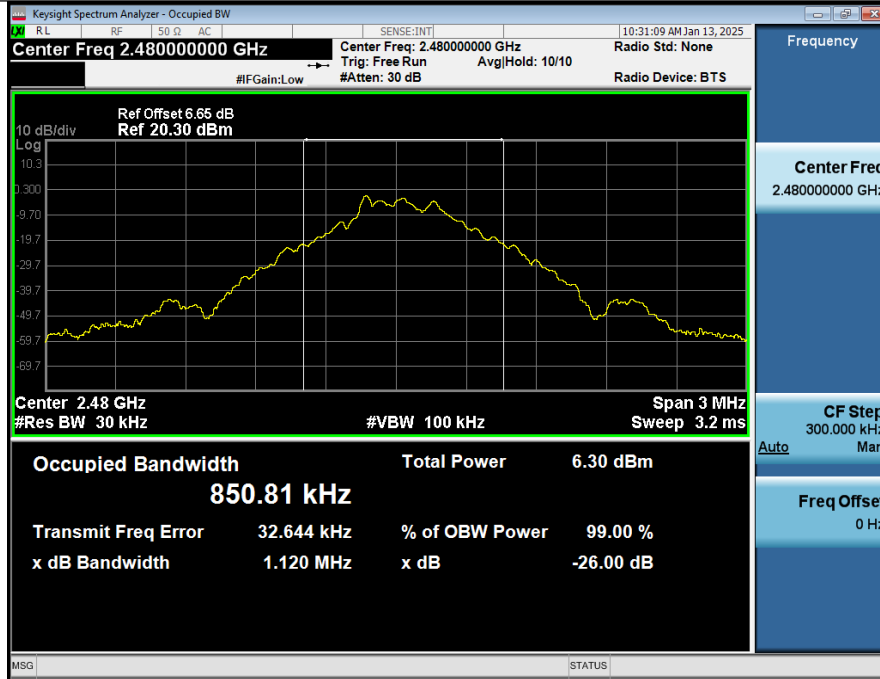


3. 99% Occupied Bandwidth

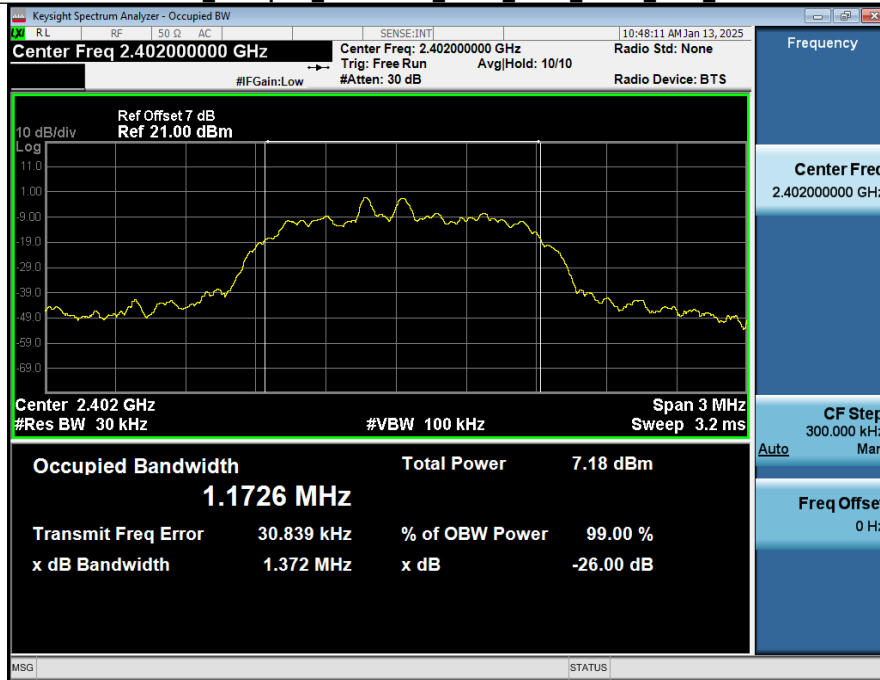
| Condition | Antenna | Modulation | Frequency (MHz) | 99% BW(MHz) |
|-----------|---------|------------|-----------------|-------------|
| NVNT      | ANT1    | 1-DH1      | 2402.00         | 0.837       |
| NVNT      | ANT1    | 1-DH1      | 2441.00         | 0.850       |
| NVNT      | ANT1    | 1-DH1      | 2480.00         | 0.851       |
| NVNT      | ANT1    | 2-DH1      | 2402.00         | 1.173       |
| NVNT      | ANT1    | 2-DH1      | 2441.00         | 1.174       |
| NVNT      | ANT1    | 2-DH1      | 2480.00         | 1.174       |
| NVNT      | ANT1    | 3-DH1      | 2402.00         | 1.148       |
| NVNT      | ANT1    | 3-DH1      | 2441.00         | 1.156       |
| NVNT      | ANT1    | 3-DH1      | 2480.00         | 1.155       |



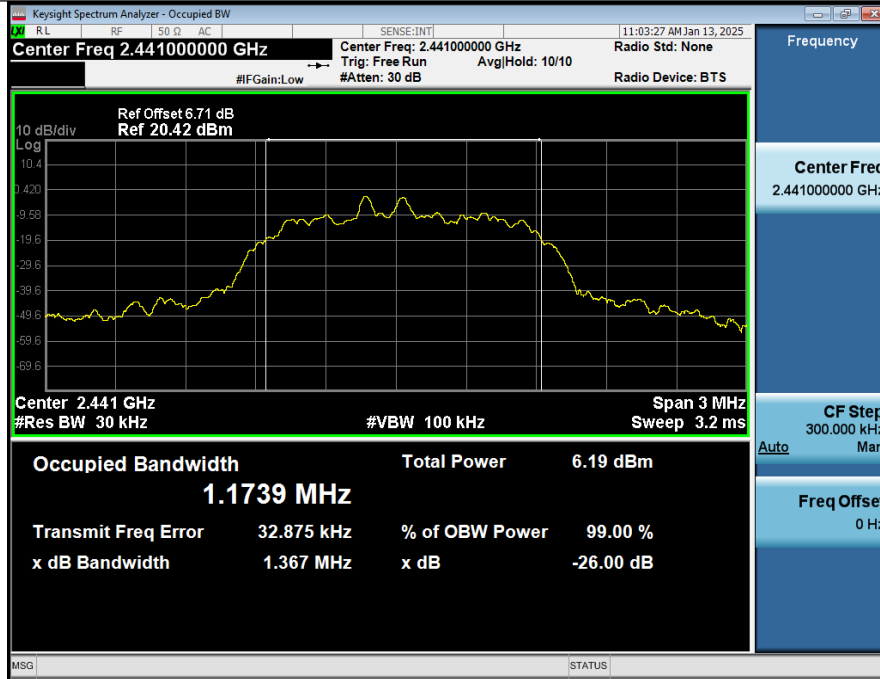
# 99% Occupied Bandwidth NVNT\_ANT1\_1-DH1\_2480\_00



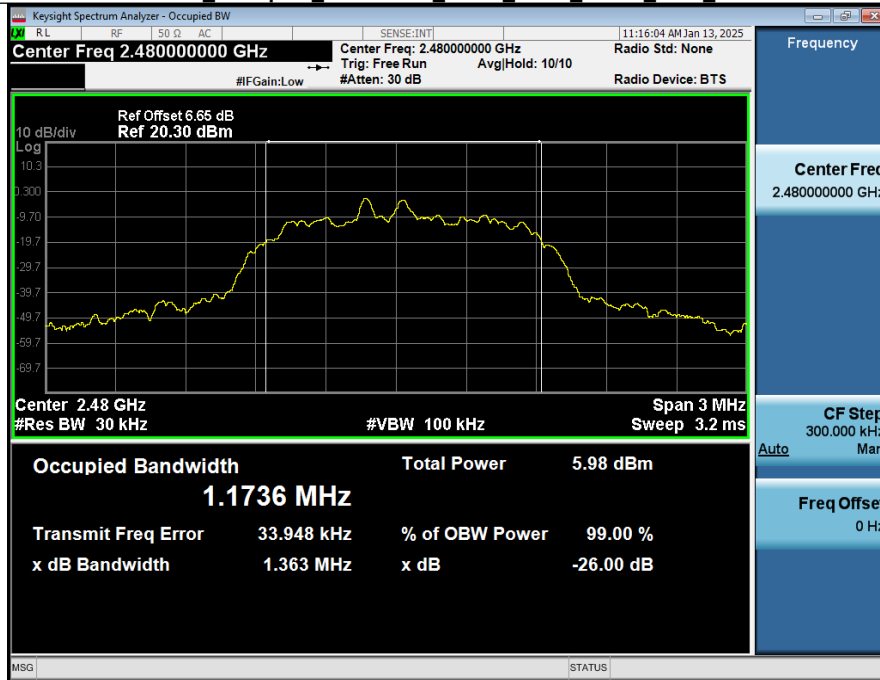
# 99% Occupied Bandwidth NVNT\_ANT1\_2-DH1\_2402\_00



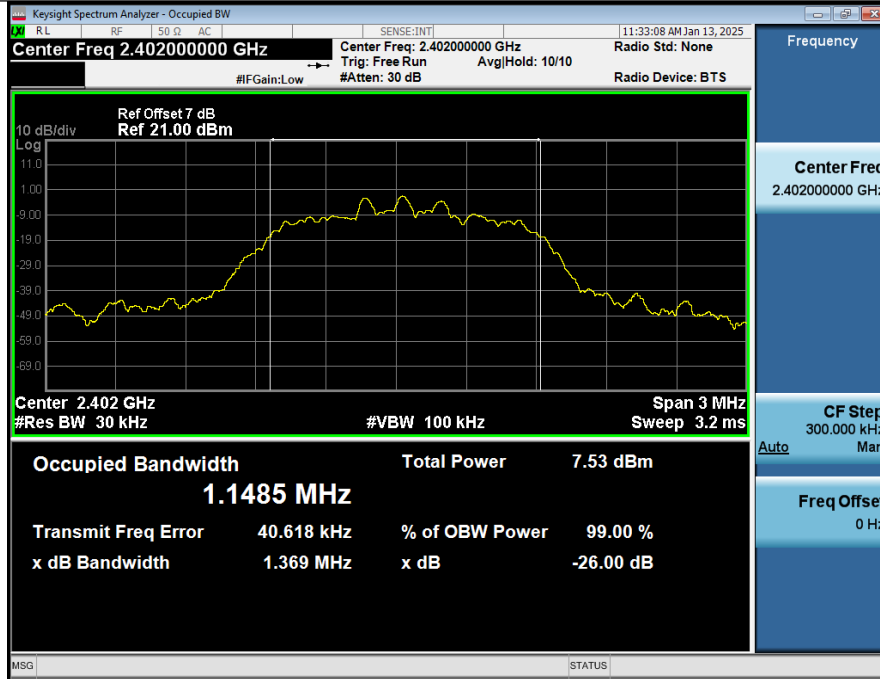
# 99% Occupied Bandwidth NVNT\_ANT1\_2-DH1\_2441\_00



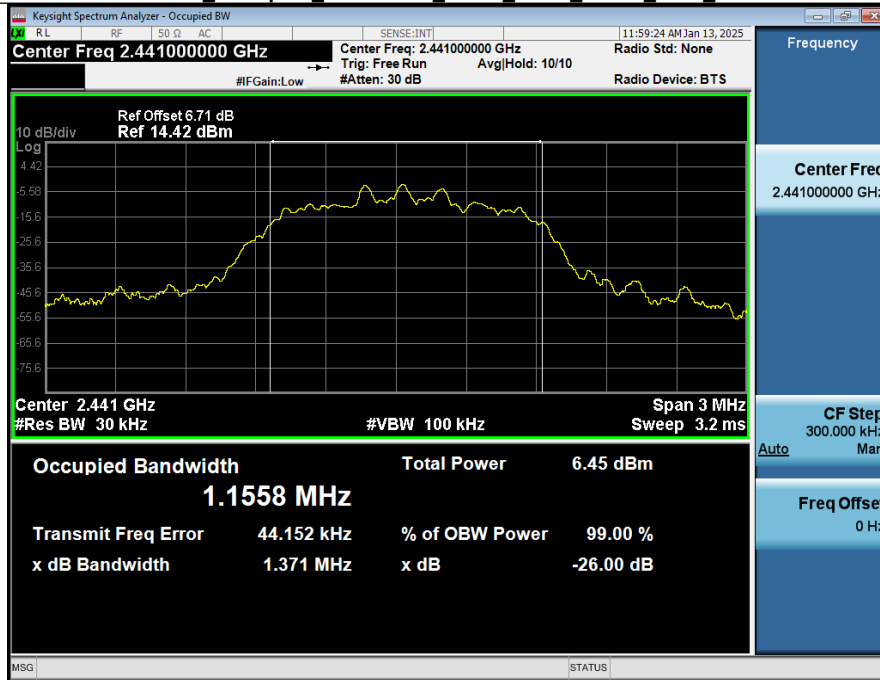
# 99% Occupied Bandwidth NVNT\_ANT1\_2-DH1\_2480\_00



# 99% Occupied Bandwidth NVNT\_ANT1\_3-DH1\_2402\_00



# 99% Occupied Bandwidth NVNT\_ANT1\_3-DH1\_2441\_00



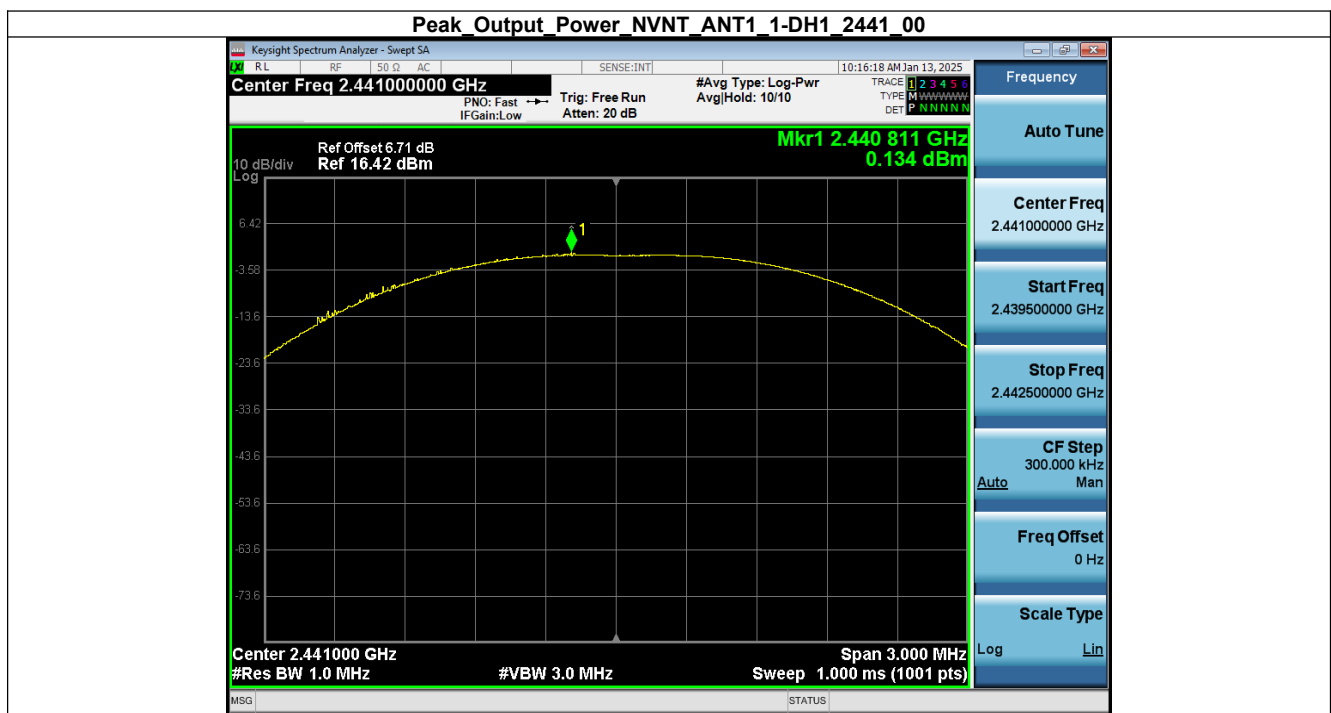
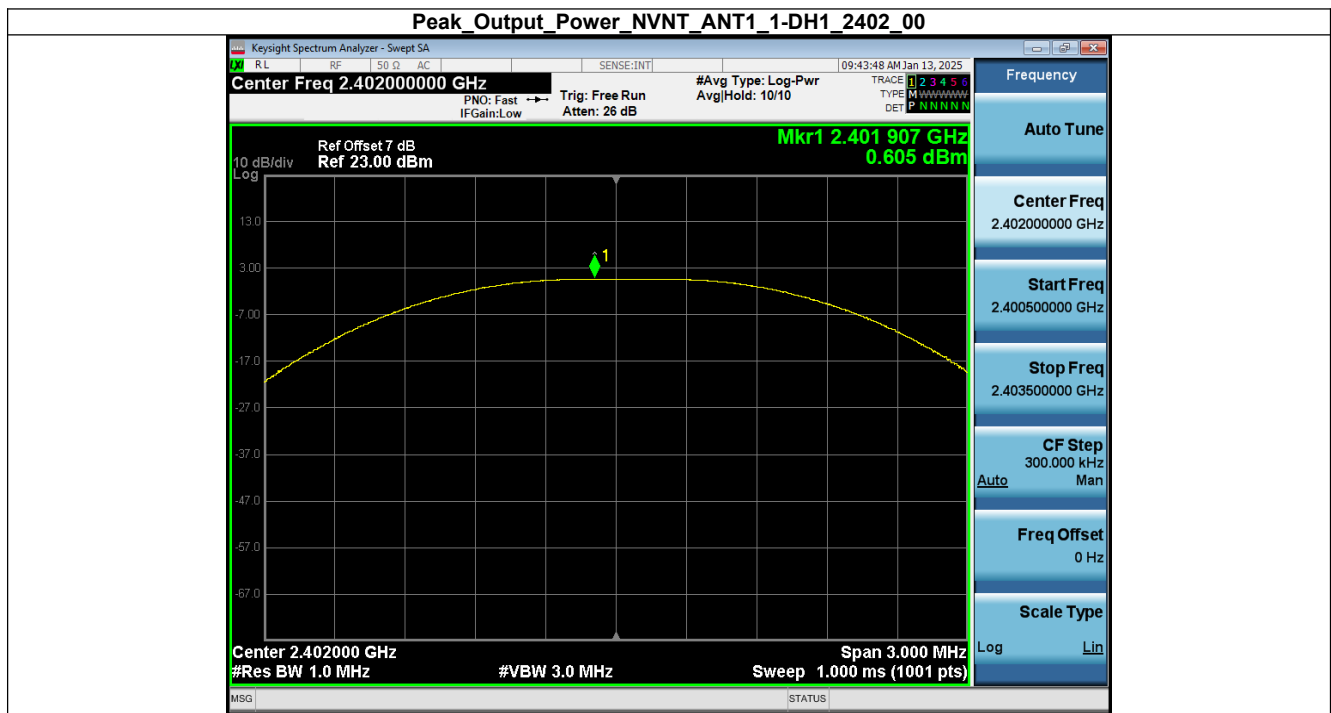
# 99% Occupied Bandwidth NVNT\_ANT1\_3-DH1\_2480\_00



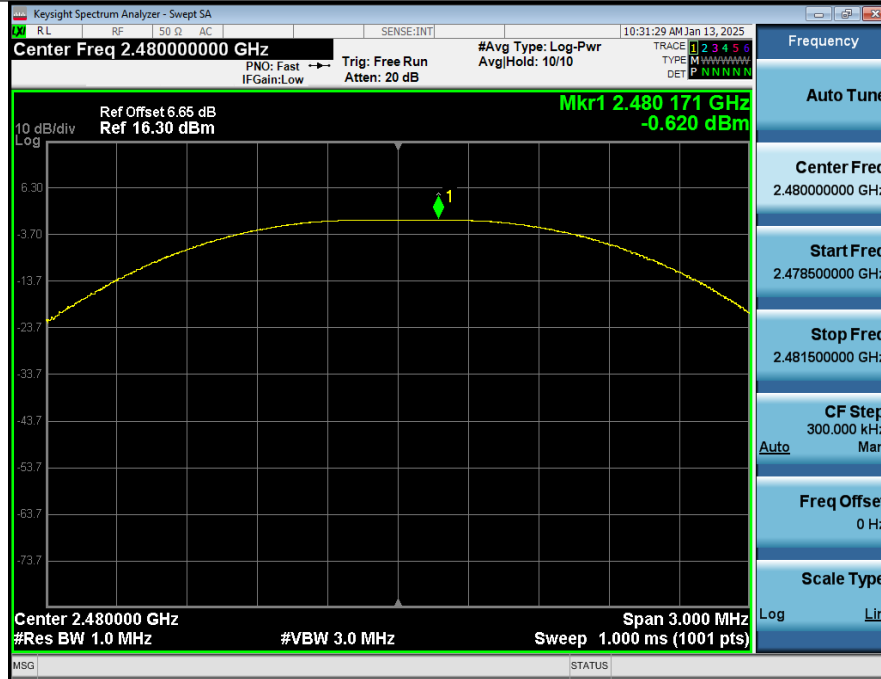


## 4. Peak Output Power

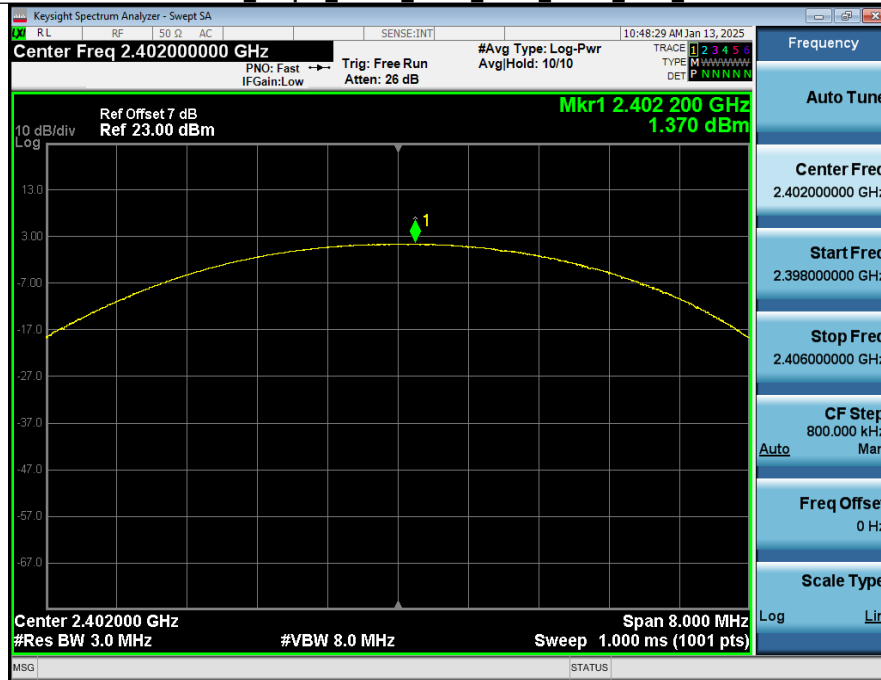
| Condition | Antenna | Modulation | Frequency (MHz) | Max. Conducted Power(dBm) | Max. Conducted Power(mW) | Limit(mW) | Result |
|-----------|---------|------------|-----------------|---------------------------|--------------------------|-----------|--------|
| NVNT      | ANT1    | 1-DH1      | 2402.00         | 0.60                      | 1.15                     | 1000      | Pass   |
| NVNT      | ANT1    | 1-DH1      | 2441.00         | 0.13                      | 1.03                     | 1000      | Pass   |
| NVNT      | ANT1    | 1-DH1      | 2480.00         | -0.62                     | 0.87                     | 1000      | Pass   |
| NVNT      | ANT1    | 2-DH1      | 2402.00         | 1.37                      | 1.37                     | 125       | Pass   |
| NVNT      | ANT1    | 2-DH1      | 2441.00         | 0.43                      | 1.10                     | 125       | Pass   |
| NVNT      | ANT1    | 2-DH1      | 2480.00         | 0.25                      | 1.06                     | 125       | Pass   |
| NVNT      | ANT1    | 3-DH1      | 2402.00         | 1.91                      | 1.55                     | 125       | Pass   |
| NVNT      | ANT1    | 3-DH1      | 2441.00         | 1.01                      | 1.26                     | 125       | Pass   |
| NVNT      | ANT1    | 3-DH1      | 2480.00         | 0.83                      | 1.21                     | 125       | Pass   |



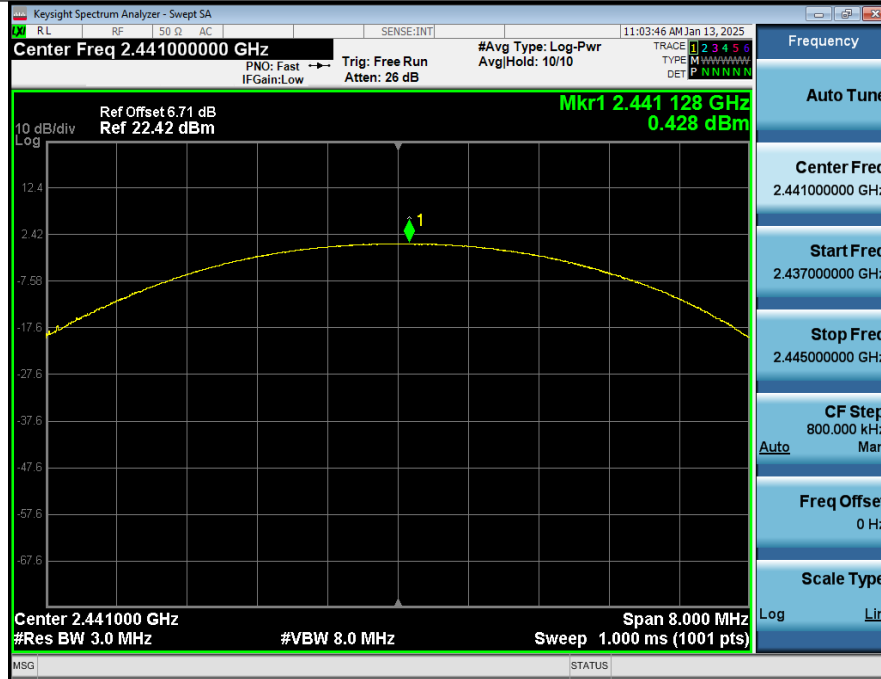
# Peak Output Power\_NVNT\_ANT1\_1-DH1\_2480\_00



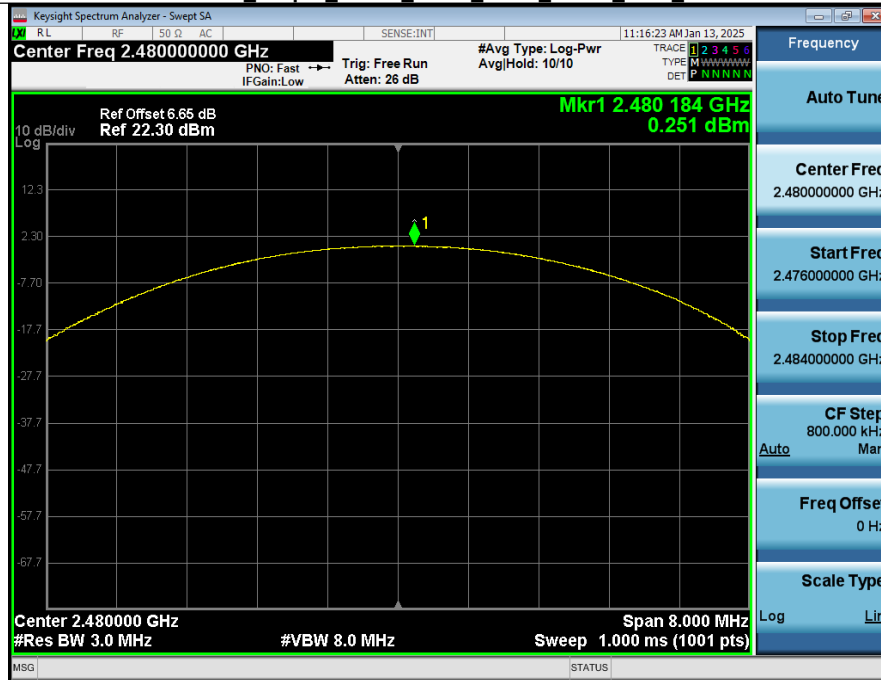
# Peak Output Power\_NVNT\_ANT1\_2-DH1\_2402\_00



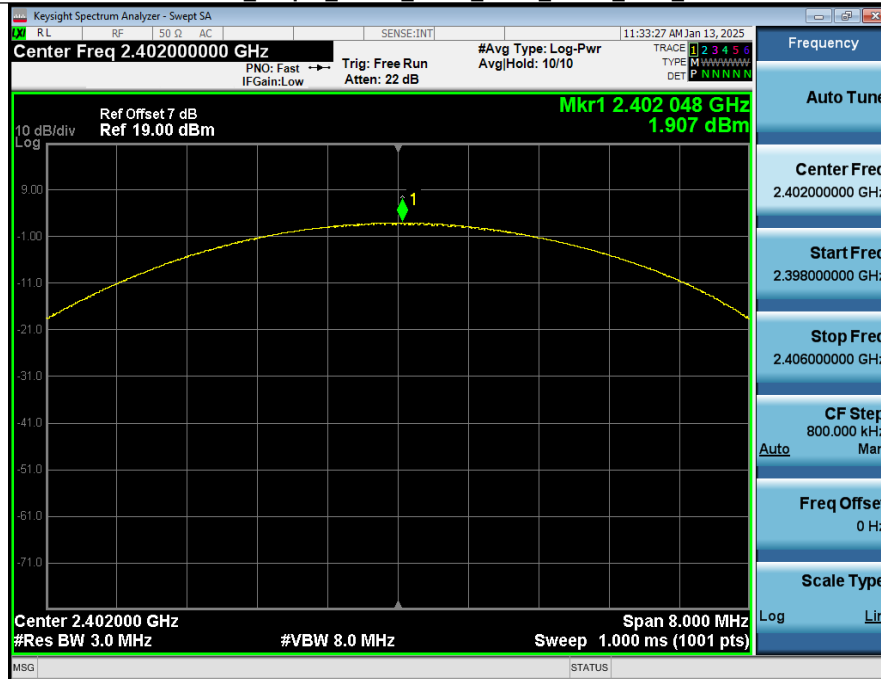
# Peak Output Power\_NVNT\_ANT1\_2-DH1\_2441\_00



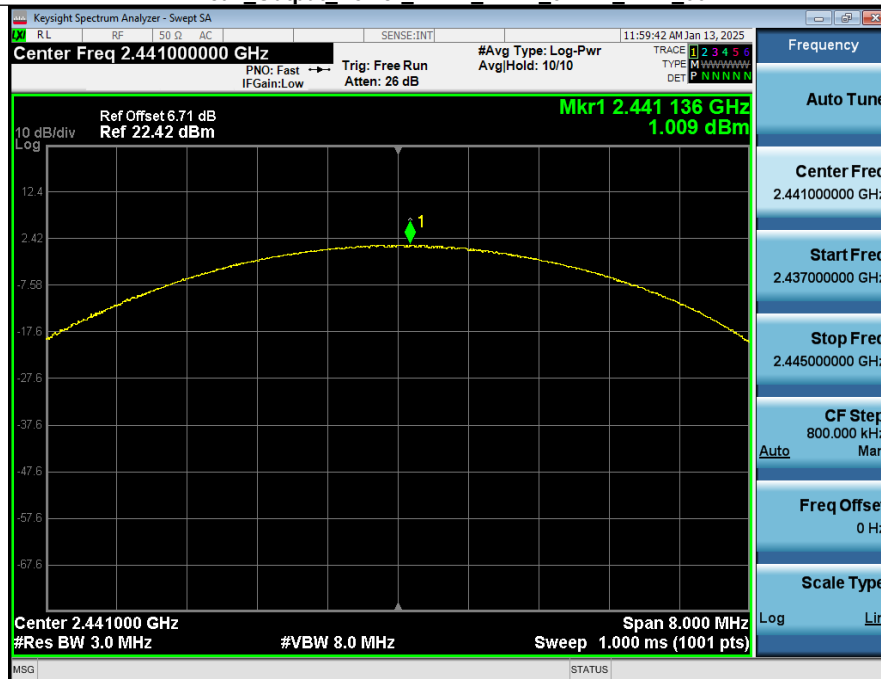
# Peak Output Power\_NVNT\_ANT1\_2-DH1\_2480\_00



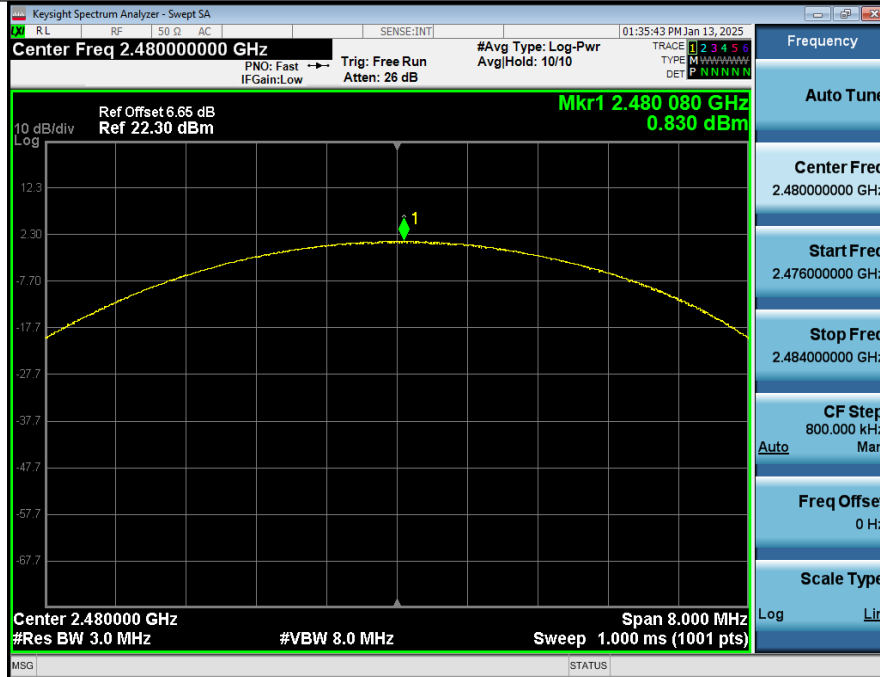
# Peak Output Power\_NVNT\_ANT1\_3-DH1\_2402\_00



# Peak Output Power\_NVNT\_ANT1\_3-DH1\_2441\_00

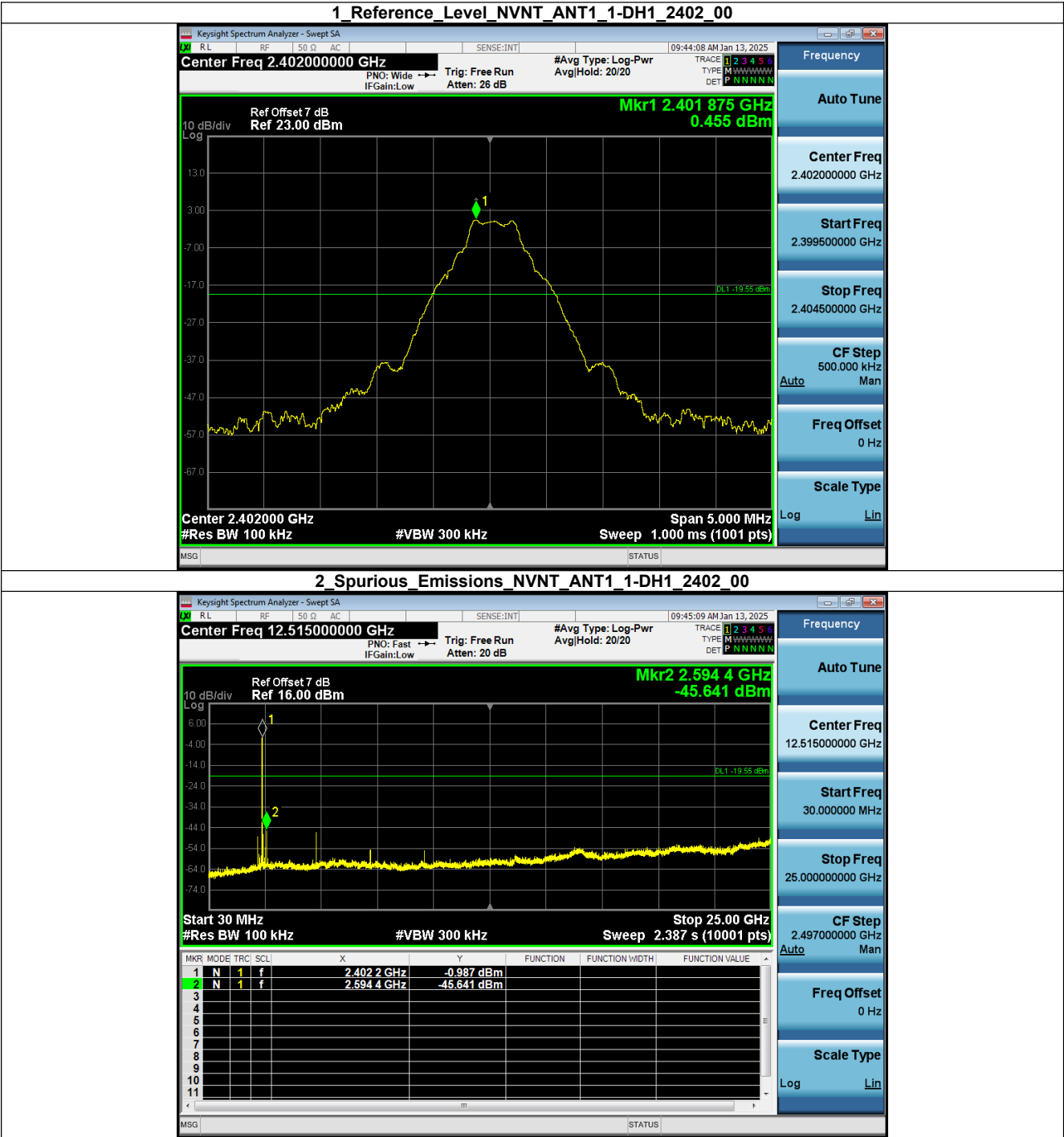


# Peak Output Power\_NVNT\_ANT1\_3-DH1\_2480\_00

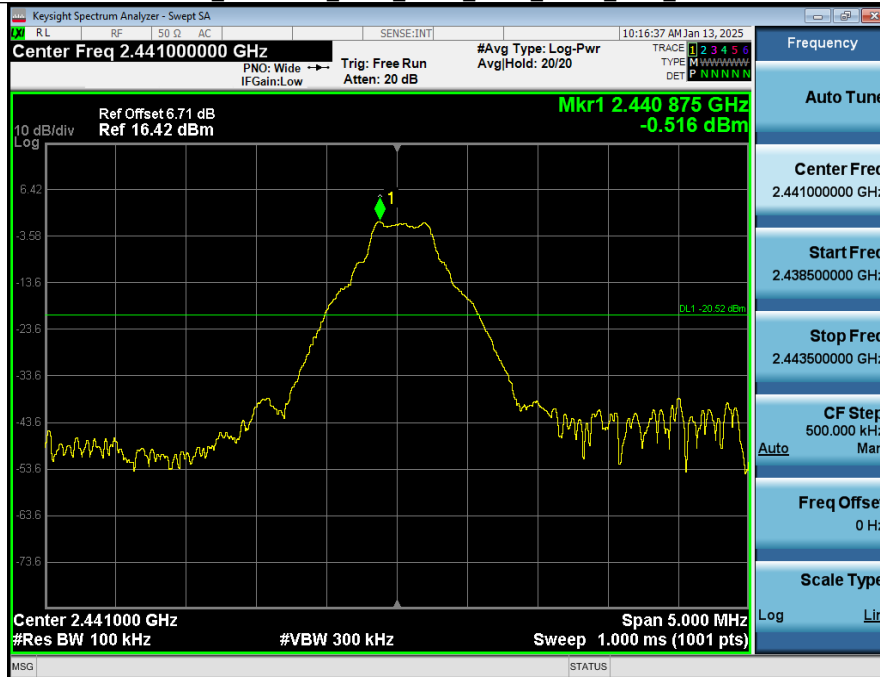


5. Spurious Emissions

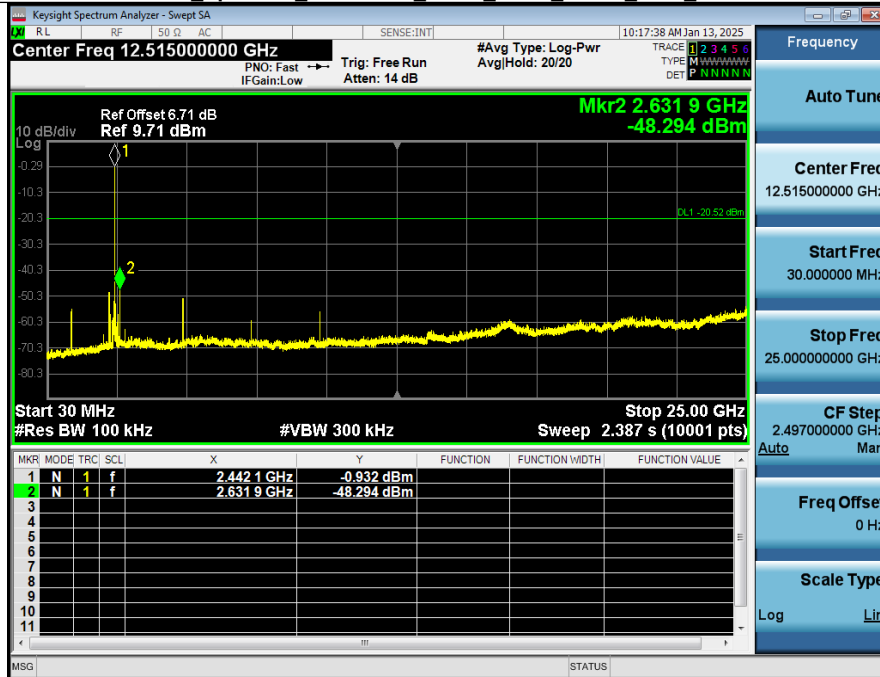
| Condition | Antenna | Modulation | TX Mode | Ref_level(dBm) | Spurious<br>MAX.Value(dBm) | Limit   | Result |
|-----------|---------|------------|---------|----------------|----------------------------|---------|--------|
| NVNT      | ANT1    | 1-DH1      | 2402.00 | 0.455          | -45.641                    | -19.545 | Pass   |
| NVNT      | ANT1    | 1-DH1      | 2441.00 | -0.516         | -48.294                    | -20.516 | Pass   |
| NVNT      | ANT1    | 1-DH1      | 2480.00 | -0.731         | -44.773                    | -20.731 | Pass   |
| NVNT      | ANT1    | 2-DH1      | 2402.00 | 0.361          | -47.442                    | -19.639 | Pass   |
| NVNT      | ANT1    | 2-DH1      | 2441.00 | -0.569         | -48.126                    | -20.569 | Pass   |
| NVNT      | ANT1    | 2-DH1      | 2480.00 | -0.790         | -46.750                    | -20.790 | Pass   |
| NVNT      | ANT1    | 3-DH1      | 2402.00 | 0.379          | -44.919                    | -19.621 | Pass   |
| NVNT      | ANT1    | 3-DH1      | 2441.00 | -0.556         | -47.889                    | -20.556 | Pass   |
| NVNT      | ANT1    | 3-DH1      | 2480.00 | -0.787         | -45.688                    | -20.787 | Pass   |



# 1 Reference\_Level\_NVNT\_ANT1\_1-DH1\_2441\_00



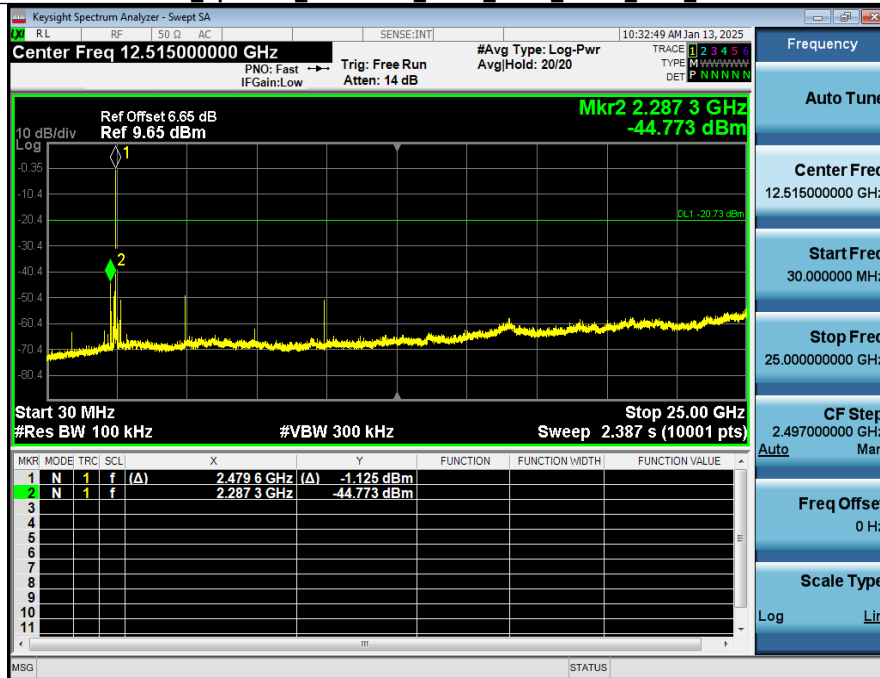
# 2 Spurious\_Emissions\_NVNT\_ANT1\_1-DH1\_2441\_00



# 1 Reference\_Level\_NVNT\_ANT1\_1-DH1\_2480\_00



# 2 Spurious\_Emissions\_NVNT\_ANT1\_1-DH1\_2480\_00

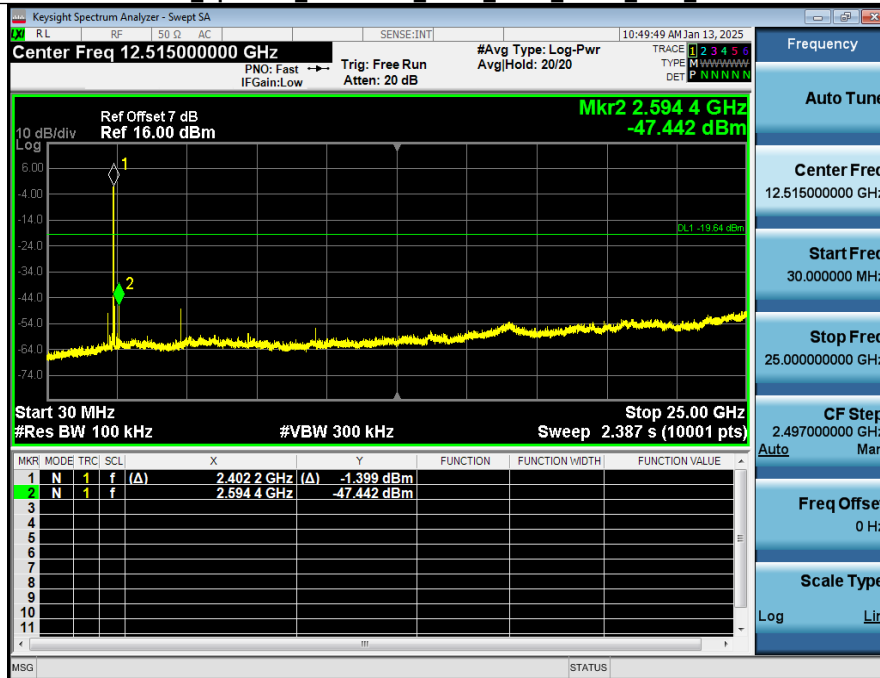




# 1 Reference\_Level\_NVNT\_ANT1\_2-DH1\_2402\_00



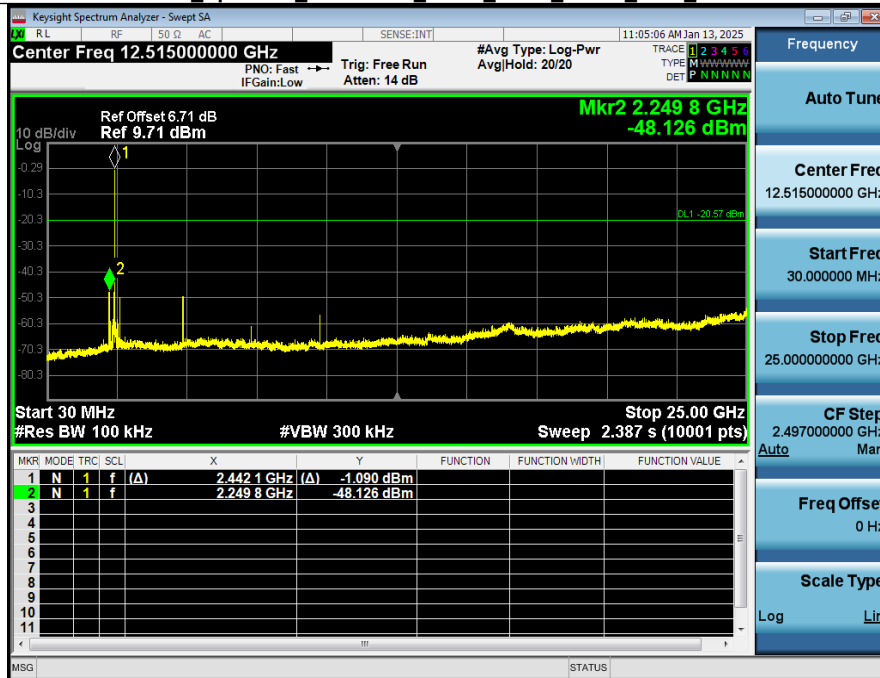
# 2 Spurious\_Emissions\_NVNT\_ANT1\_2-DH1\_2402\_00



# 1\_Reference\_Level\_NVNT\_ANT1\_2-DH1\_2441\_00



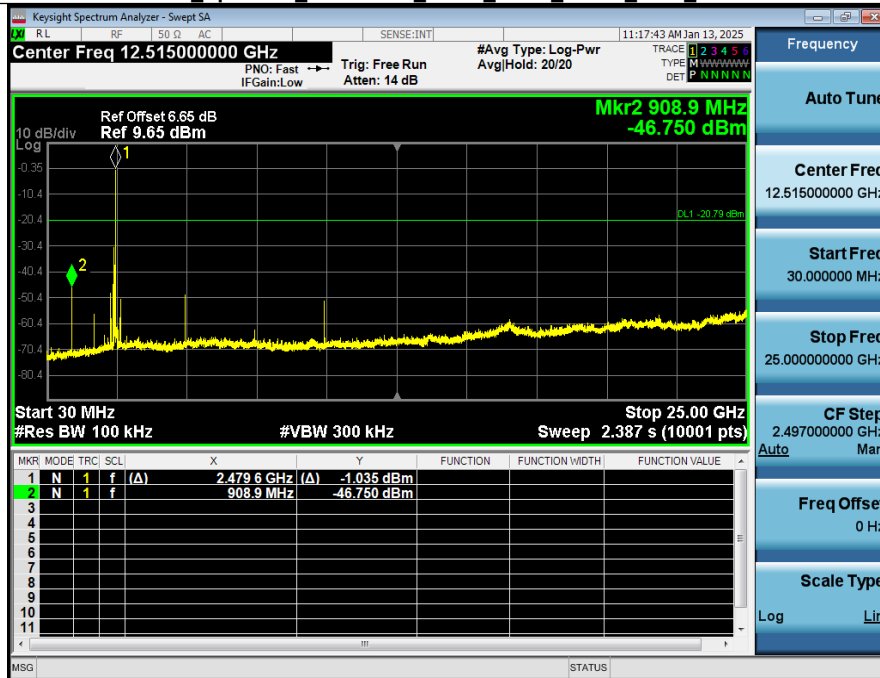
# 2\_Spurious\_Emissions\_NVNT\_ANT1\_2-DH1\_2441\_00



# 1 Reference\_Level\_NVNT\_ANT1\_2-DH1\_2480\_00



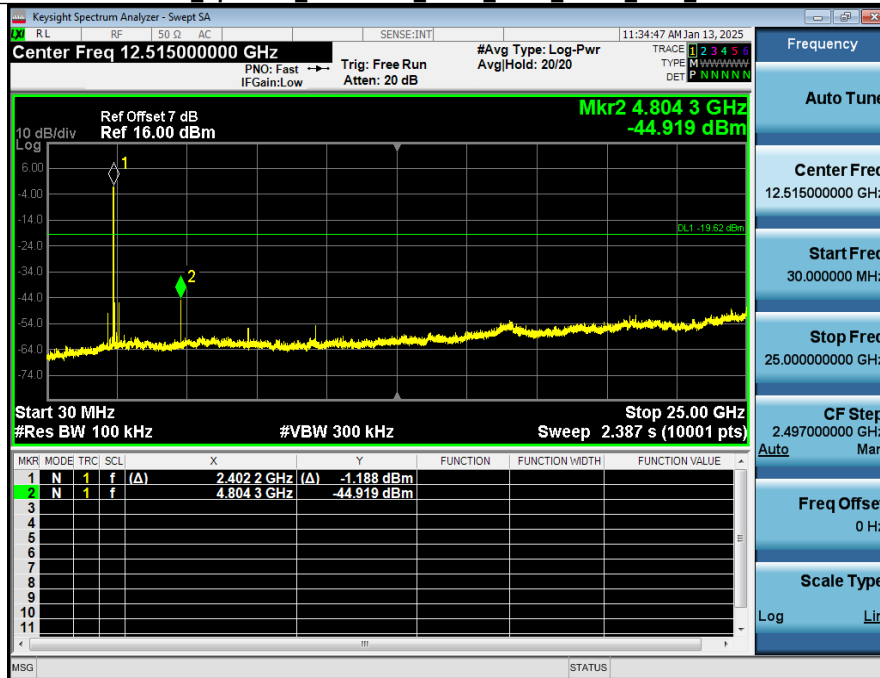
# 2 Spurious\_Emissions\_NVNT\_ANT1\_2-DH1\_2480\_00



# 1 Reference\_Level\_NVNT\_ANT1\_3-DH1\_2402\_00



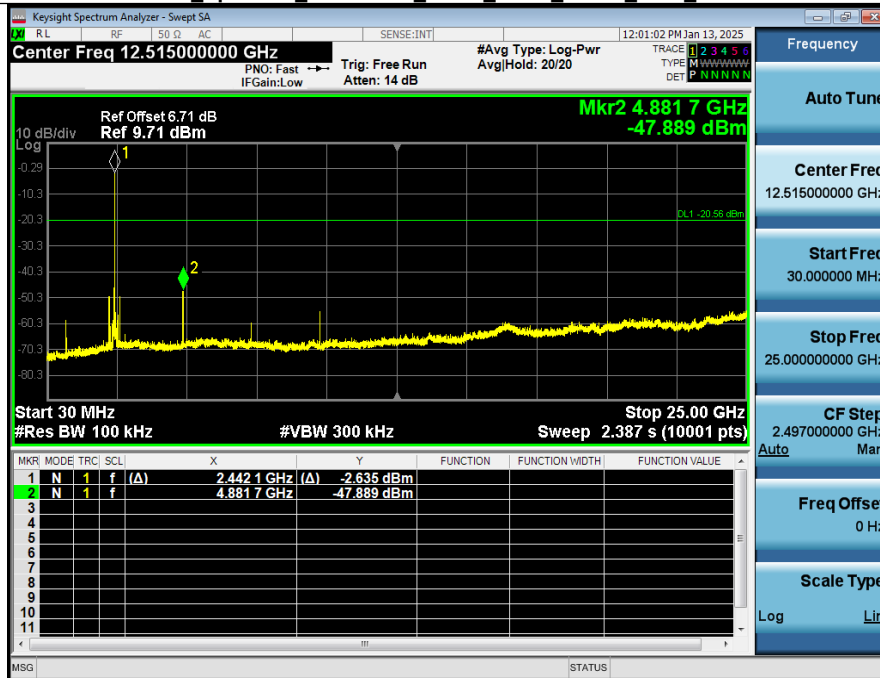
# 2 Spurious\_Emissions\_NVNT\_ANT1\_3-DH1\_2402\_00



# 1\_Reference\_Level\_NVNT\_ANT1\_3-DH1\_2441\_00



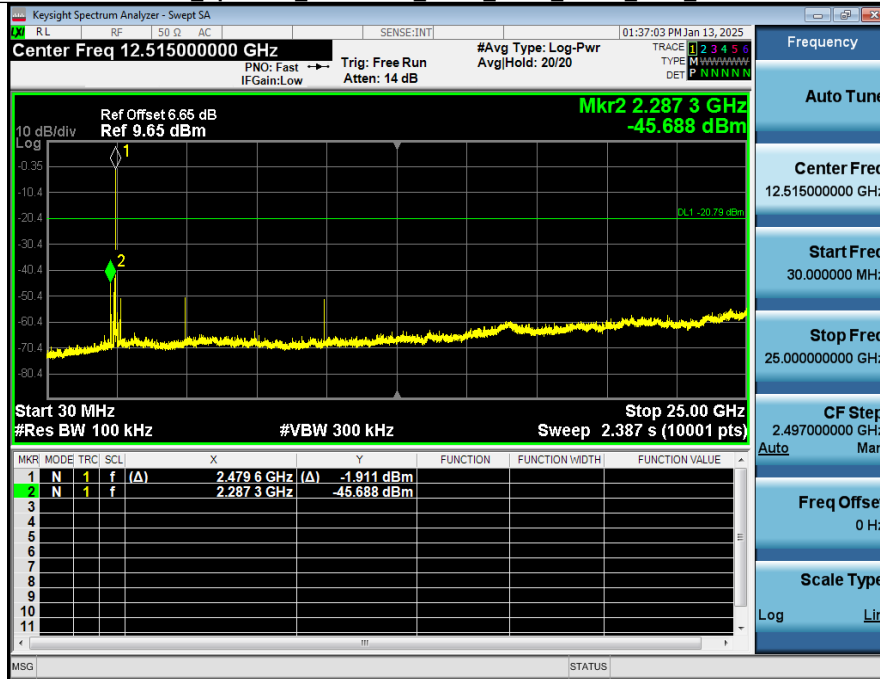
# 2\_Spurious\_Emissions\_NVNT\_ANT1\_3-DH1\_2441\_00



# 1 Reference\_Level\_NVNT\_ANT1\_3-DH1\_2480\_00

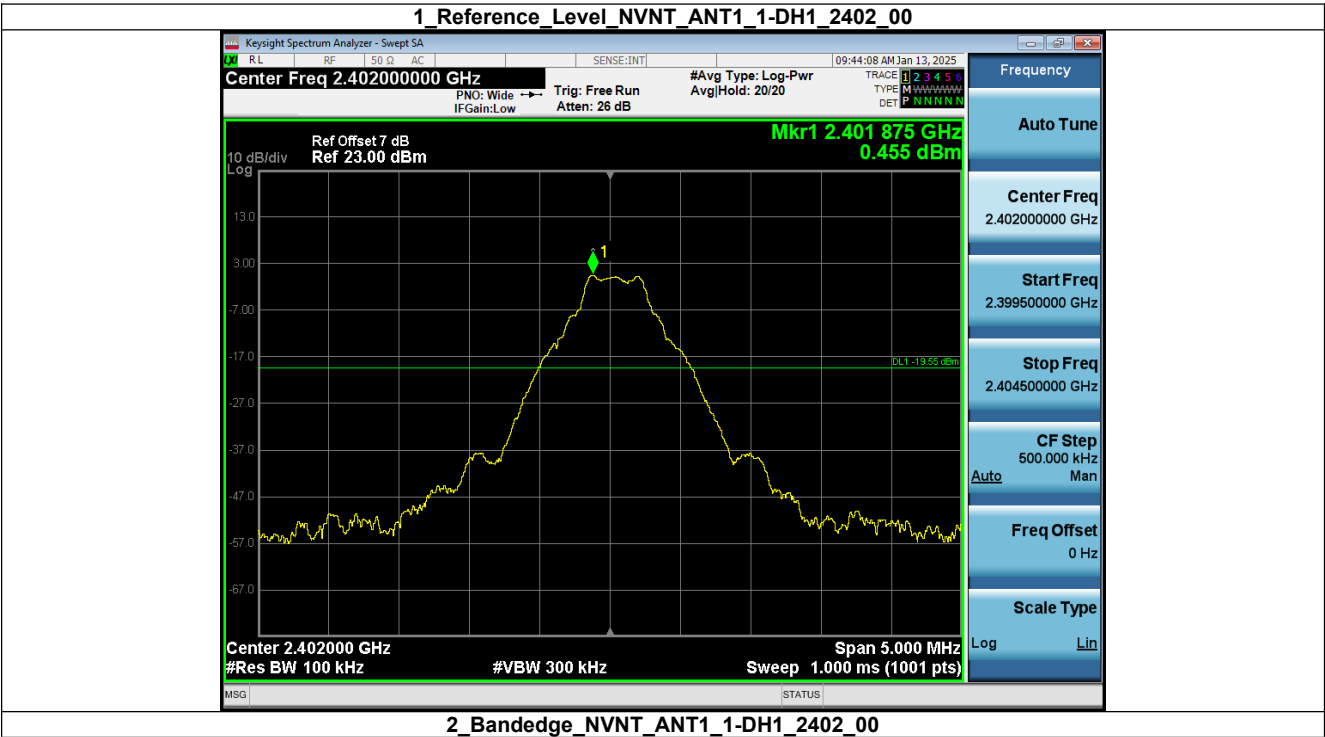


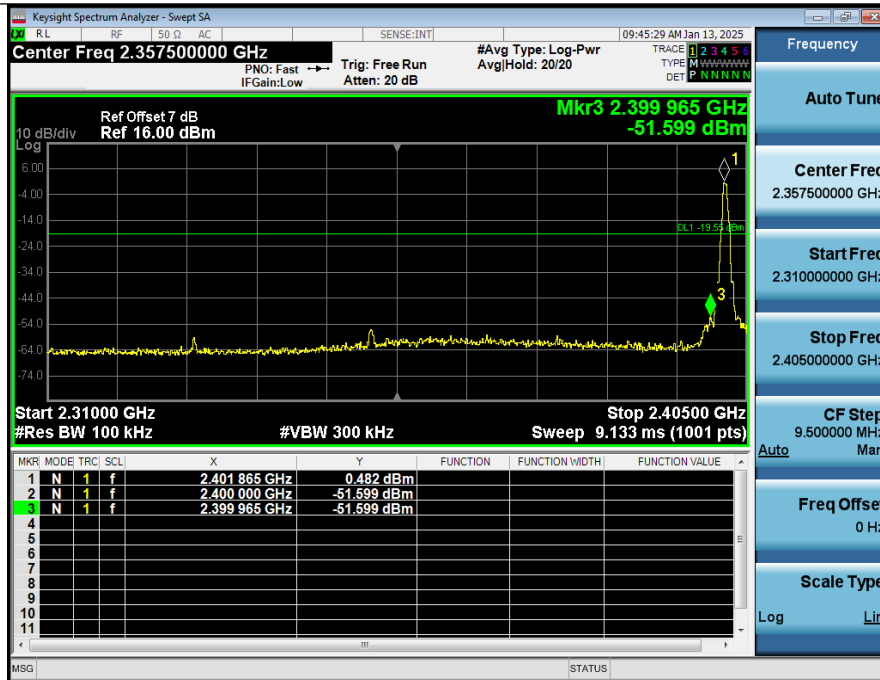
# 2 Spurious\_Emissions\_NVNT\_ANT1\_3-DH1\_2480\_00



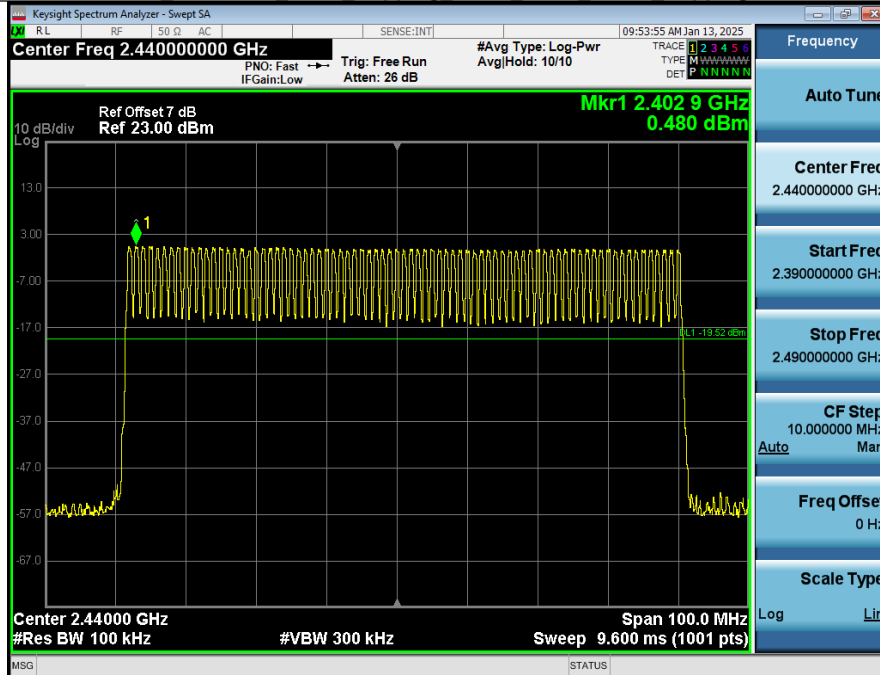
6. Bandedge

| Condition | Antenna | Modulation | TX Mode     | Ref_level(dBm) | Bandedge MAX.Value | Limit   | Result |
|-----------|---------|------------|-------------|----------------|--------------------|---------|--------|
| NVNT      | ANT1    | 1-DH1      | 2402.00     | 0.455          | -51.599            | -19.545 | Pass   |
| NVNT      | ANT1    | 1-DH1      | Hopping_LCH | 0.480          | -52.038            | -19.520 | Pass   |
| NVNT      | ANT1    | 1-DH1      | 2480.00     | -0.731         | -62.649            | -20.731 | Pass   |
| NVNT      | ANT1    | 1-DH1      | Hopping_HCH | 0.138          | -54.080            | -19.862 | Pass   |
| NVNT      | ANT1    | 2-DH1      | 2402.00     | 0.361          | -50.224            | -19.639 | Pass   |
| NVNT      | ANT1    | 2-DH1      | Hopping_LCH | 0.414          | -50.024            | -19.586 | Pass   |
| NVNT      | ANT1    | 2-DH1      | 2480.00     | -0.790         | -62.472            | -20.790 | Pass   |
| NVNT      | ANT1    | 2-DH1      | Hopping_HCH | 0.075          | -55.864            | -19.925 | Pass   |
| NVNT      | ANT1    | 3-DH1      | 2402.00     | 0.379          | -48.379            | -19.621 | Pass   |
| NVNT      | ANT1    | 3-DH1      | Hopping_LCH | 0.516          | -50.627            | -19.484 | Pass   |
| NVNT      | ANT1    | 3-DH1      | 2480.00     | -0.787         | -62.832            | -20.787 | Pass   |
| NVNT      | ANT1    | 3-DH1      | Hopping_HCH | 0.040          | -54.500            | -19.960 | Pass   |



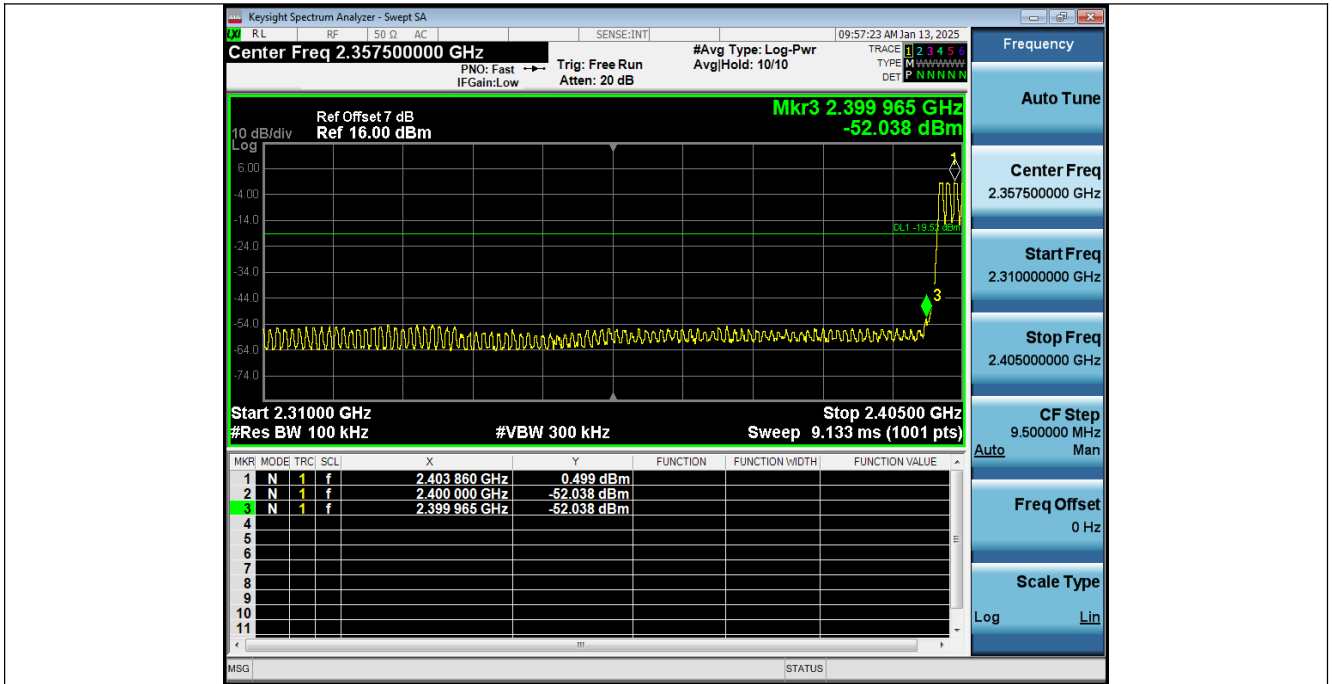


### 1 Reference\_Level\_Hopping\_NVNT\_ANT1\_1-DH1\_Hopping

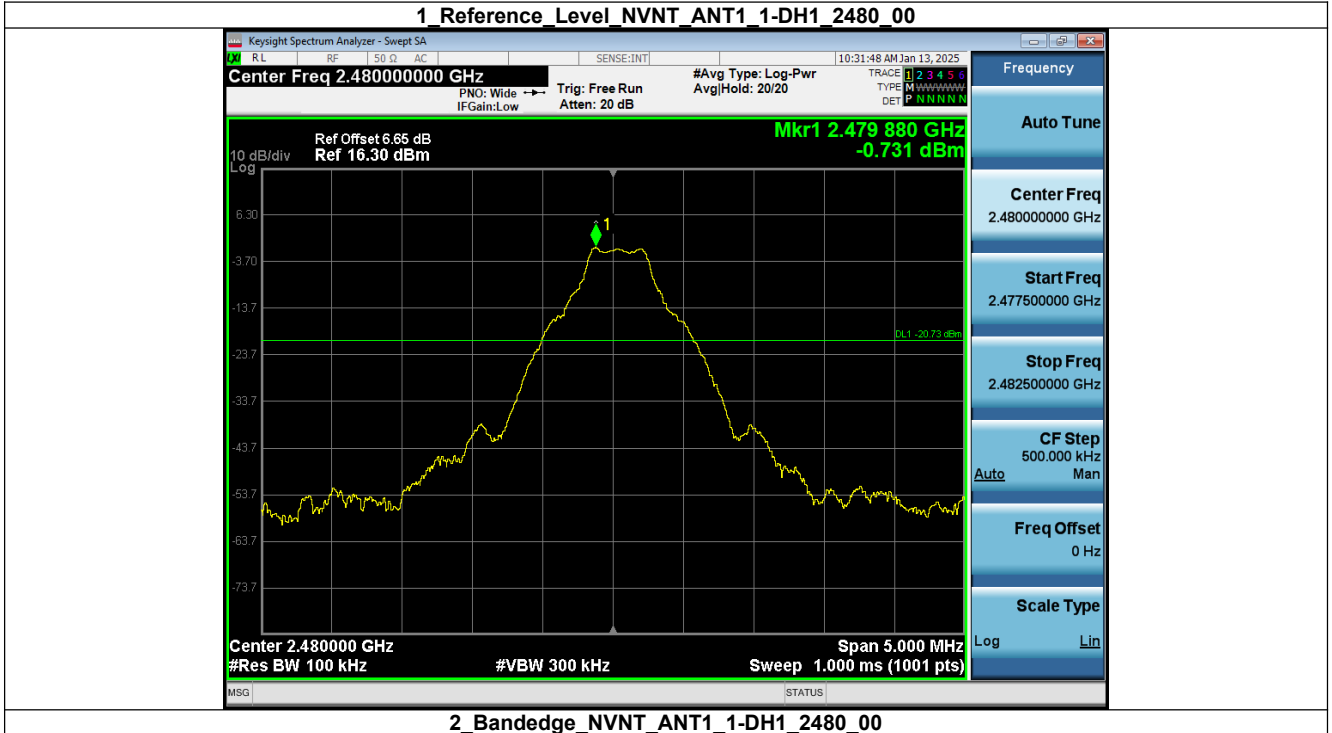


### 2\_Band\_Edge\_(Hopping)\_NVNT\_ANT1\_1-DH1\_Hopping

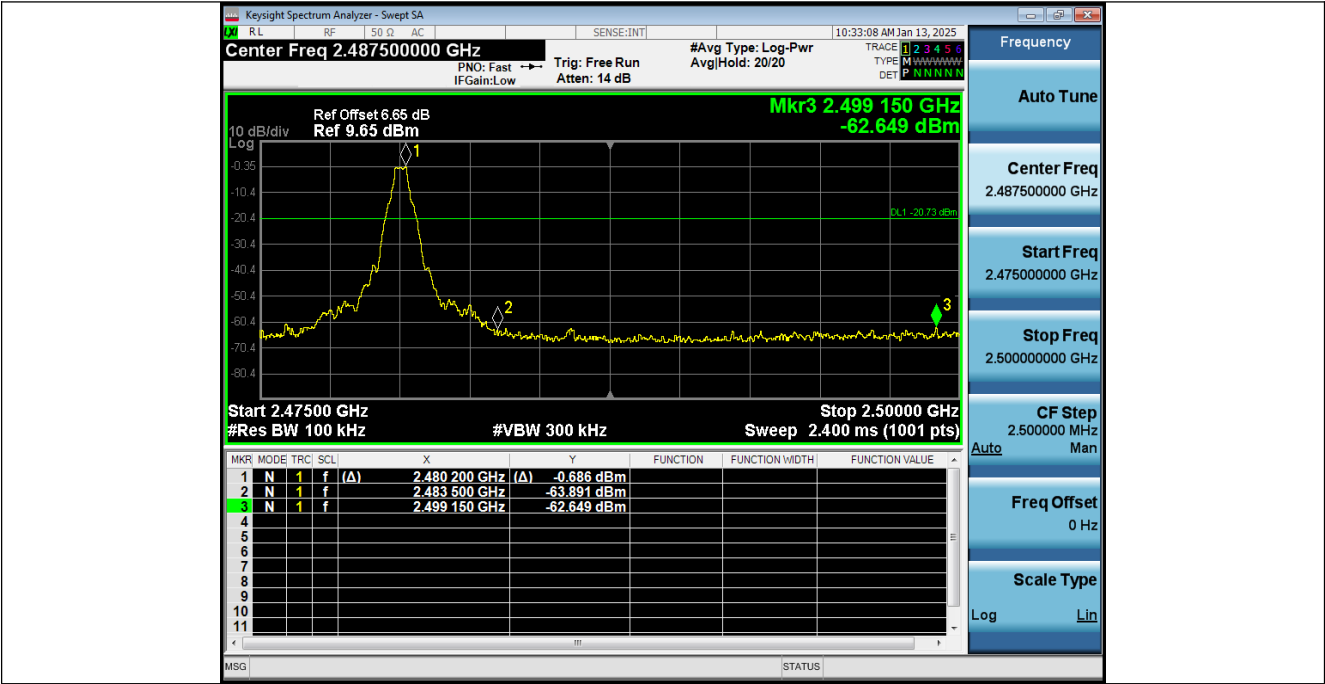




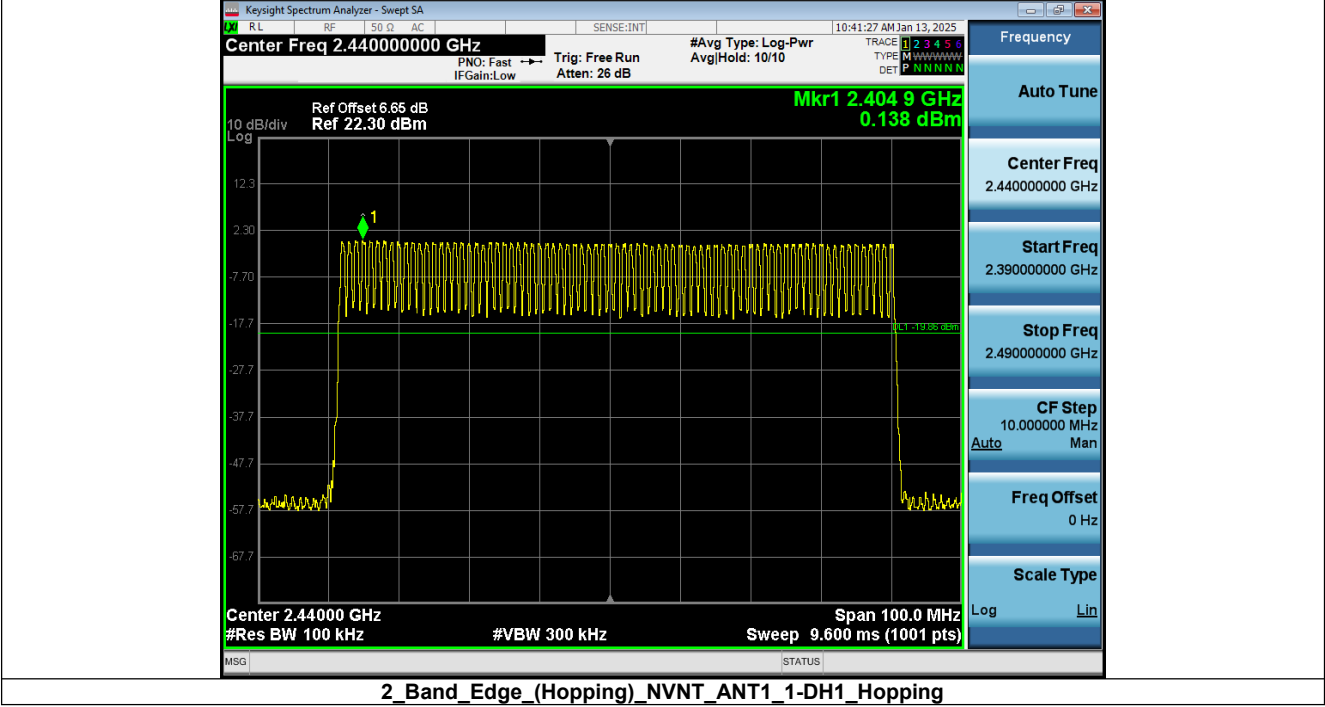
### 1\_Reference\_Level\_NVNT\_ANT1\_1-DH1\_2480\_00



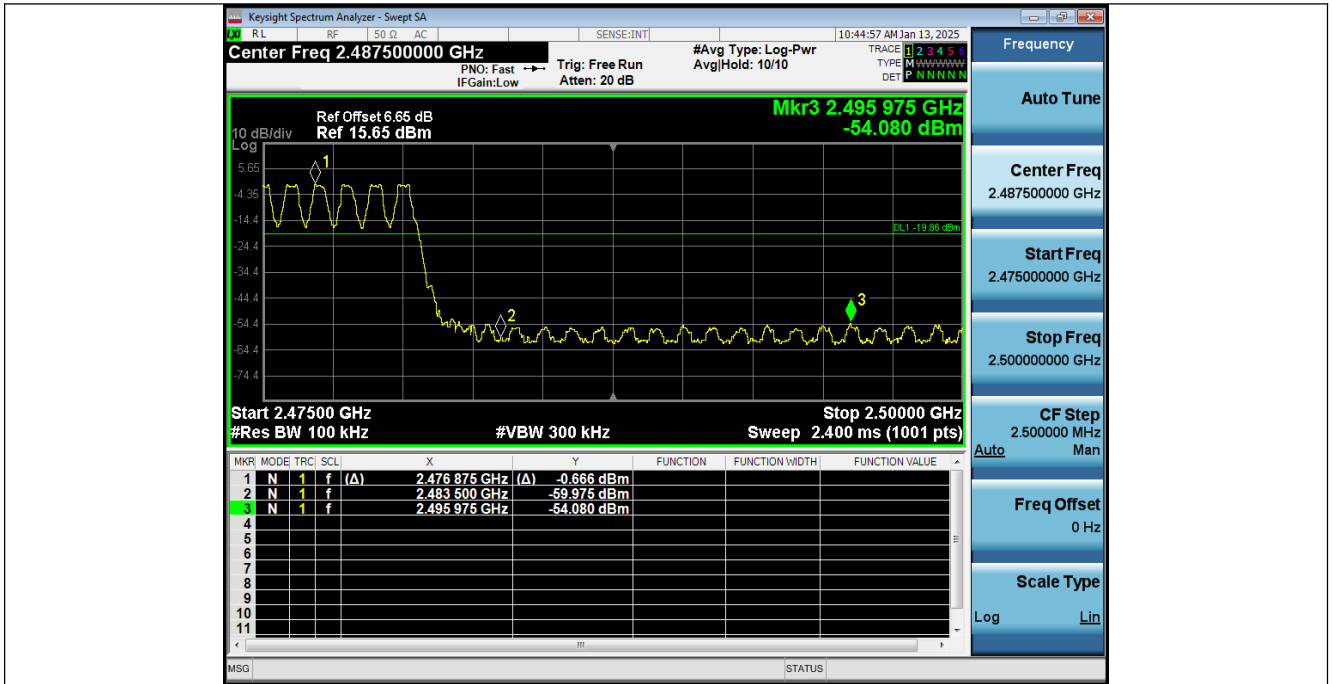
### 2\_Bandedge\_NVNT\_ANT1\_1-DH1\_2480\_00



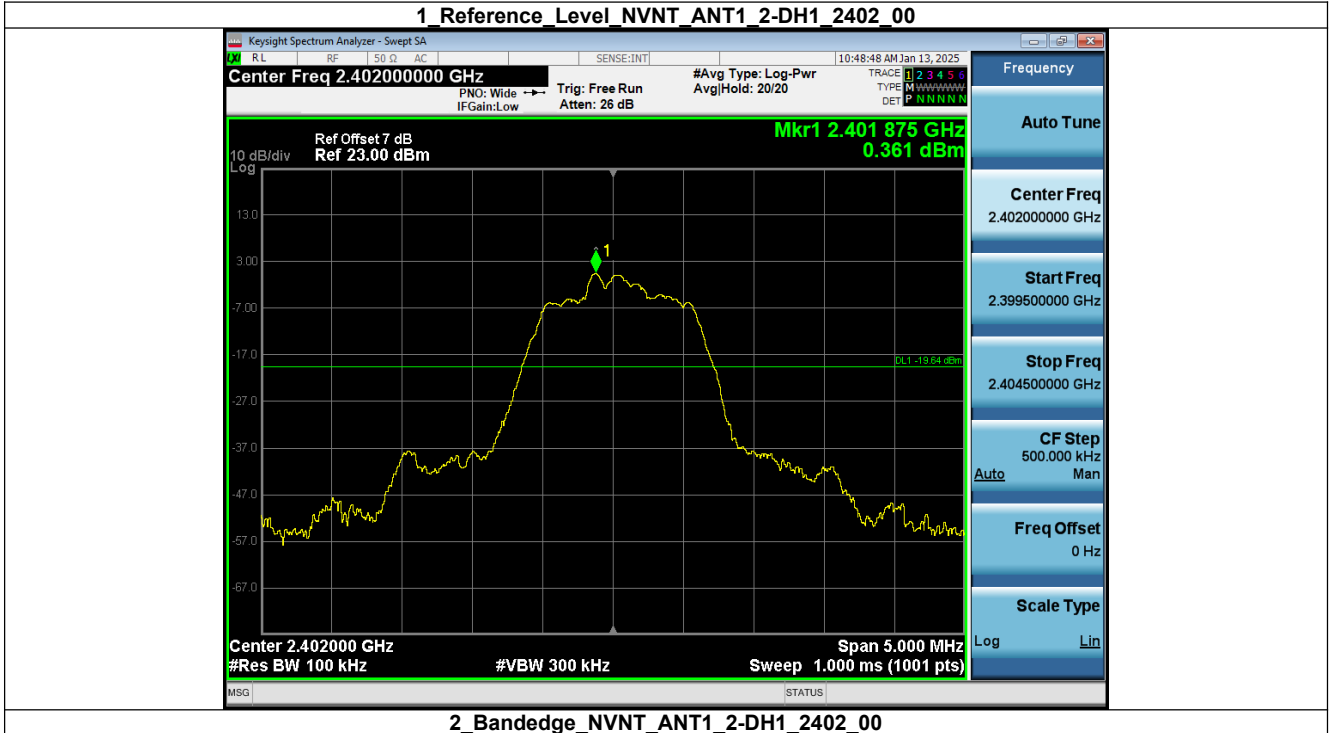
1 Reference\_Level\_Hopping\_NVNT\_ANT1\_1-DH1\_Hopping



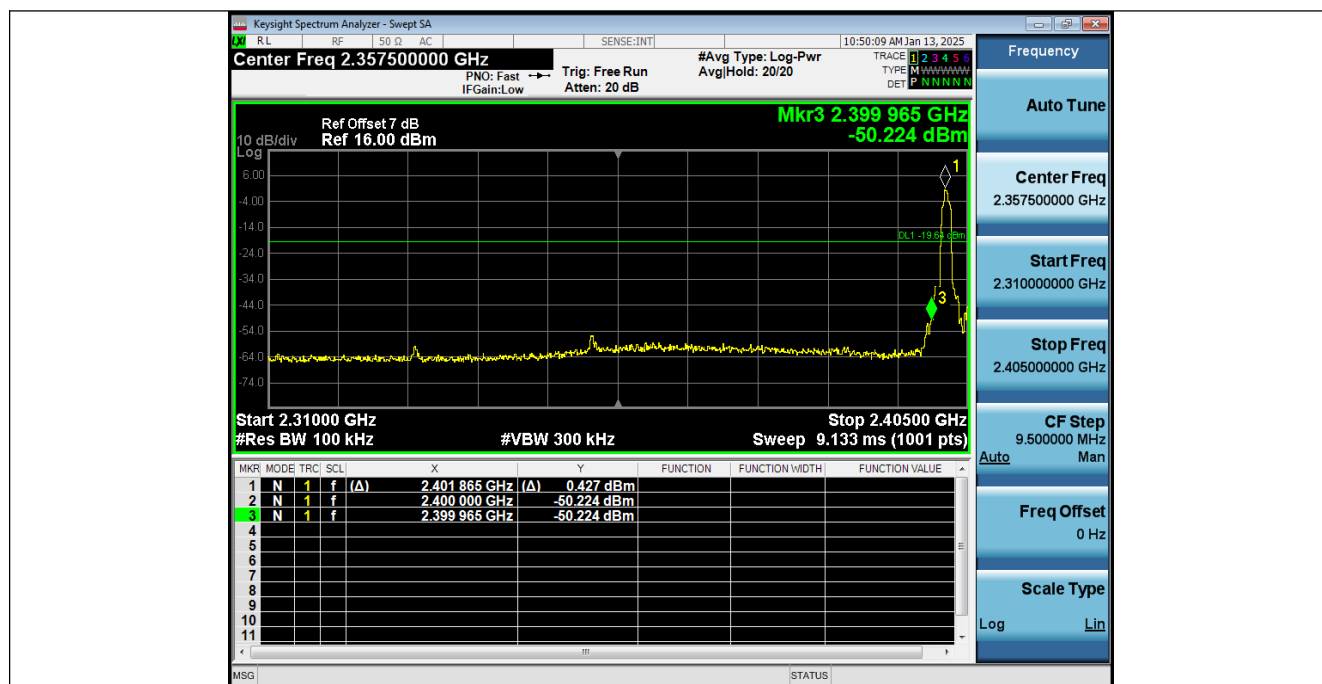
2\_Band\_Edge\_(Hopping)\_NVNT\_ANT1\_1-DH1\_Hopping



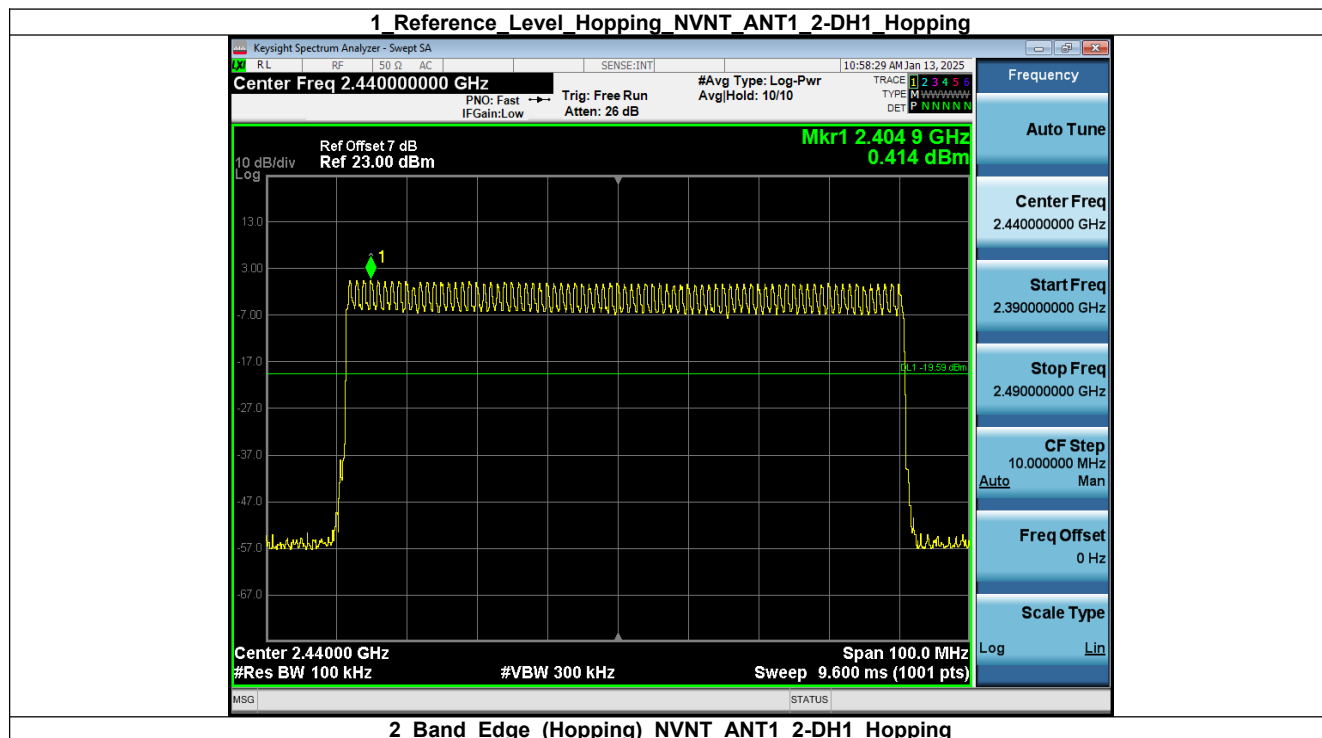
### 1\_Reference\_Level\_NVNT\_ANT1\_2-DH1\_2402\_00



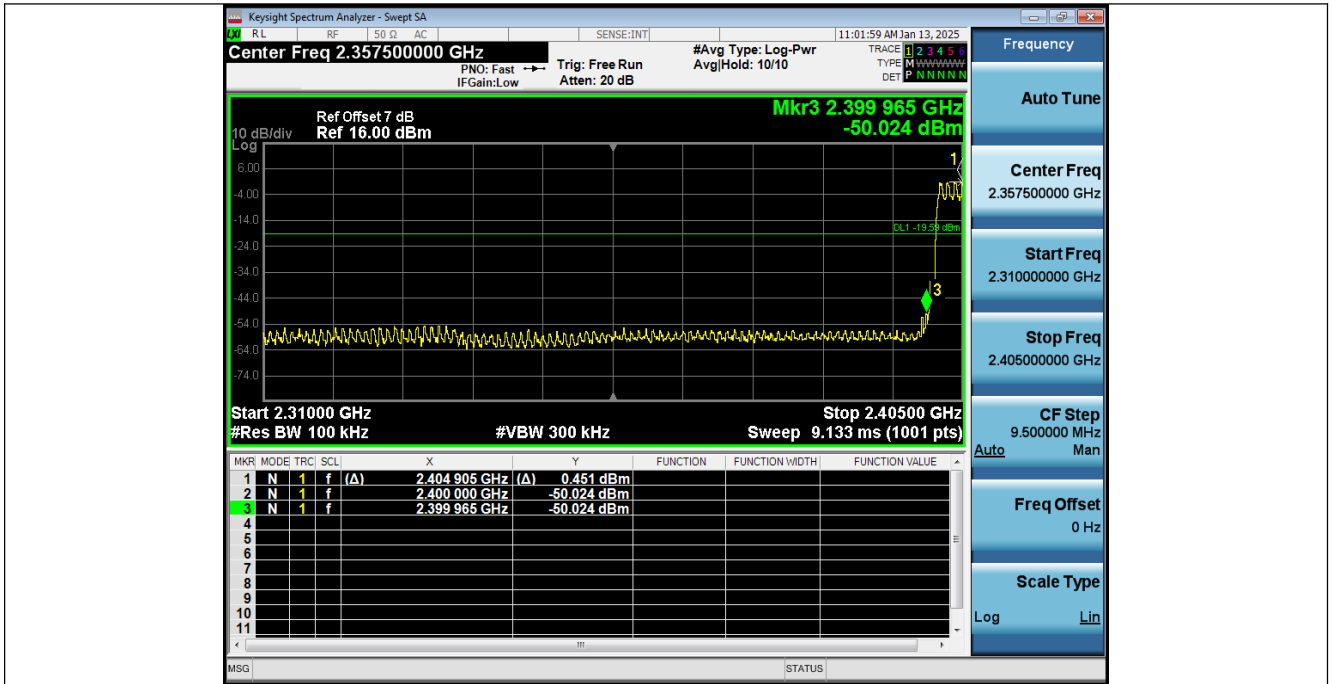
### 2\_Bandedge\_NVNT\_ANT1\_2-DH1\_2402\_00



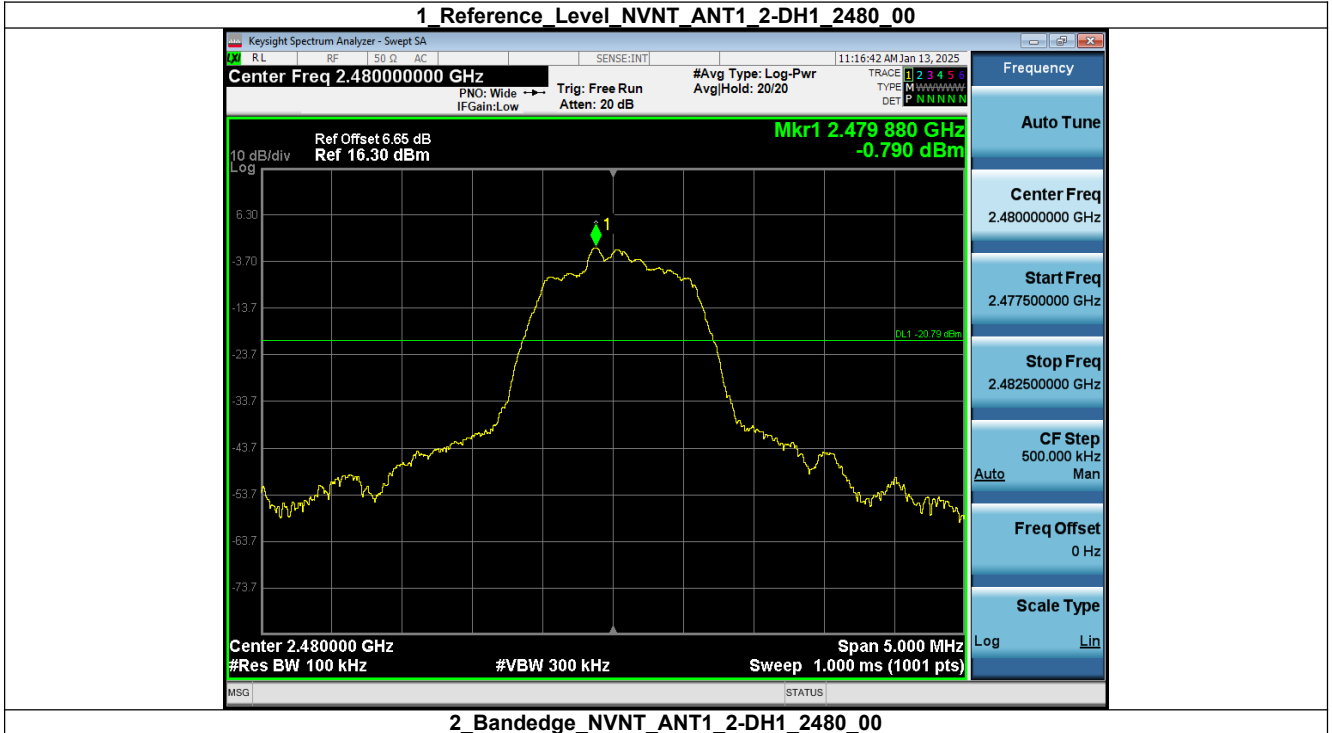
### 1 Reference\_Level\_Hopping\_NVNT\_ANT1\_2-DH1\_Hopping



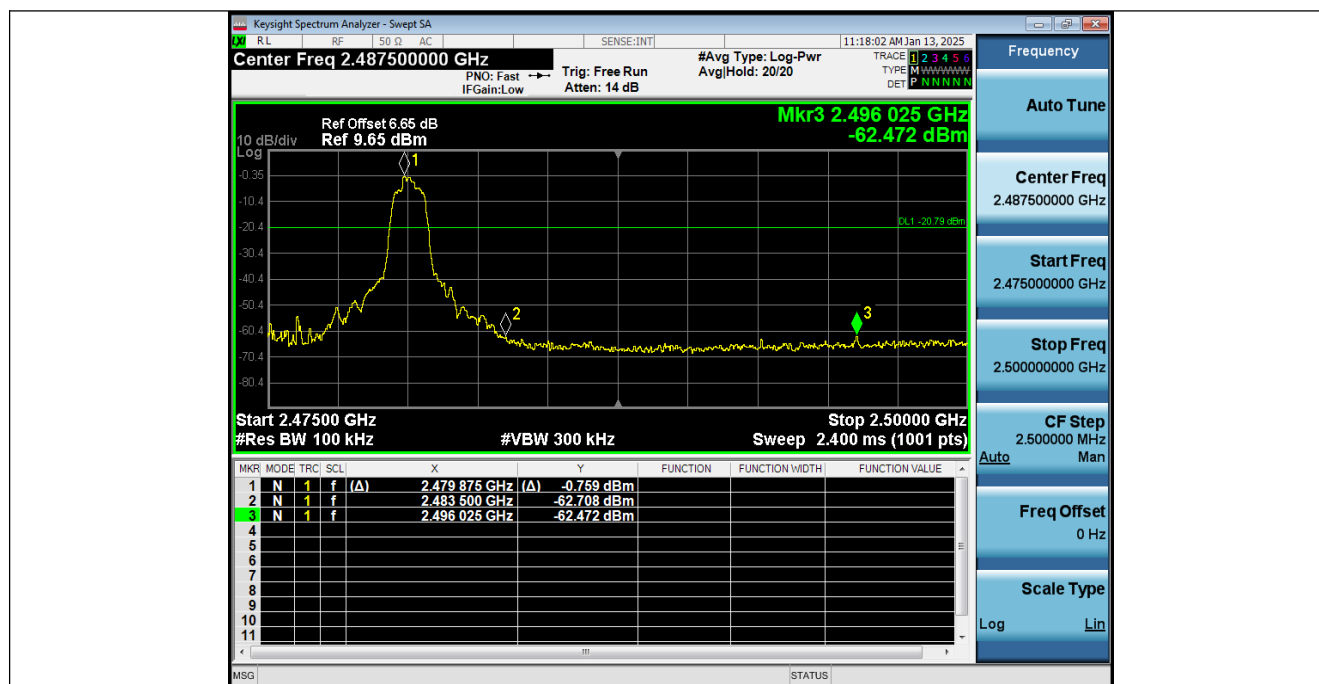
### 2\_Band\_Edge\_(Hopping)\_NVNT\_ANT1\_2-DH1\_Hopping



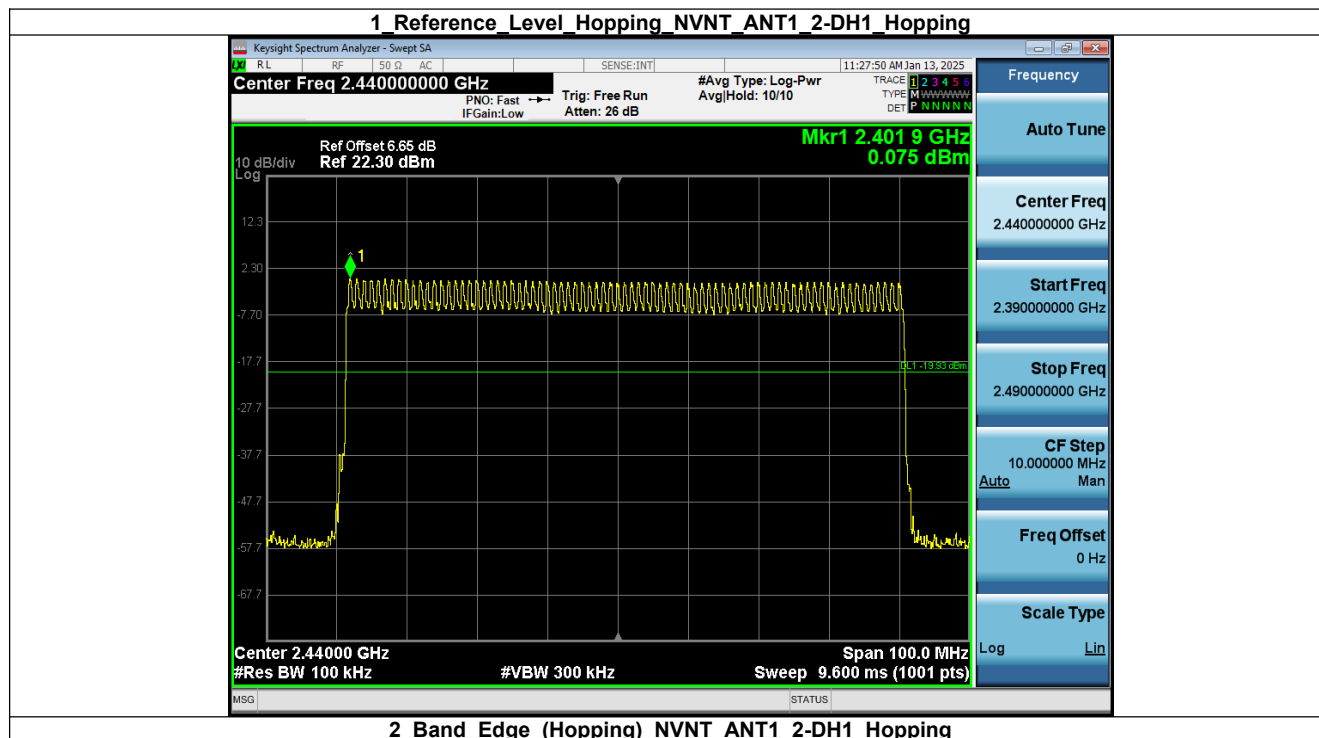
### 1\_Reference\_Level\_NVNT\_ANT1\_2-DH1\_2480\_00



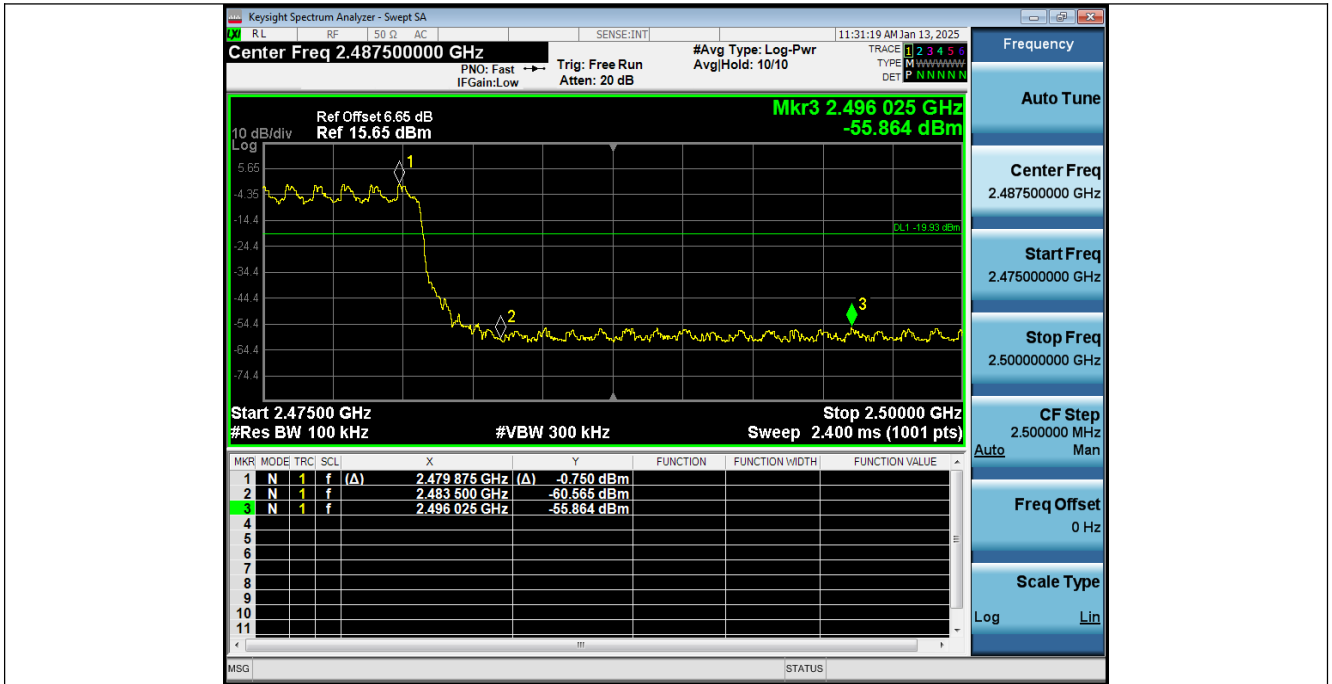
### 2\_Bandedge\_NVNT\_ANT1\_2-DH1\_2480\_00



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



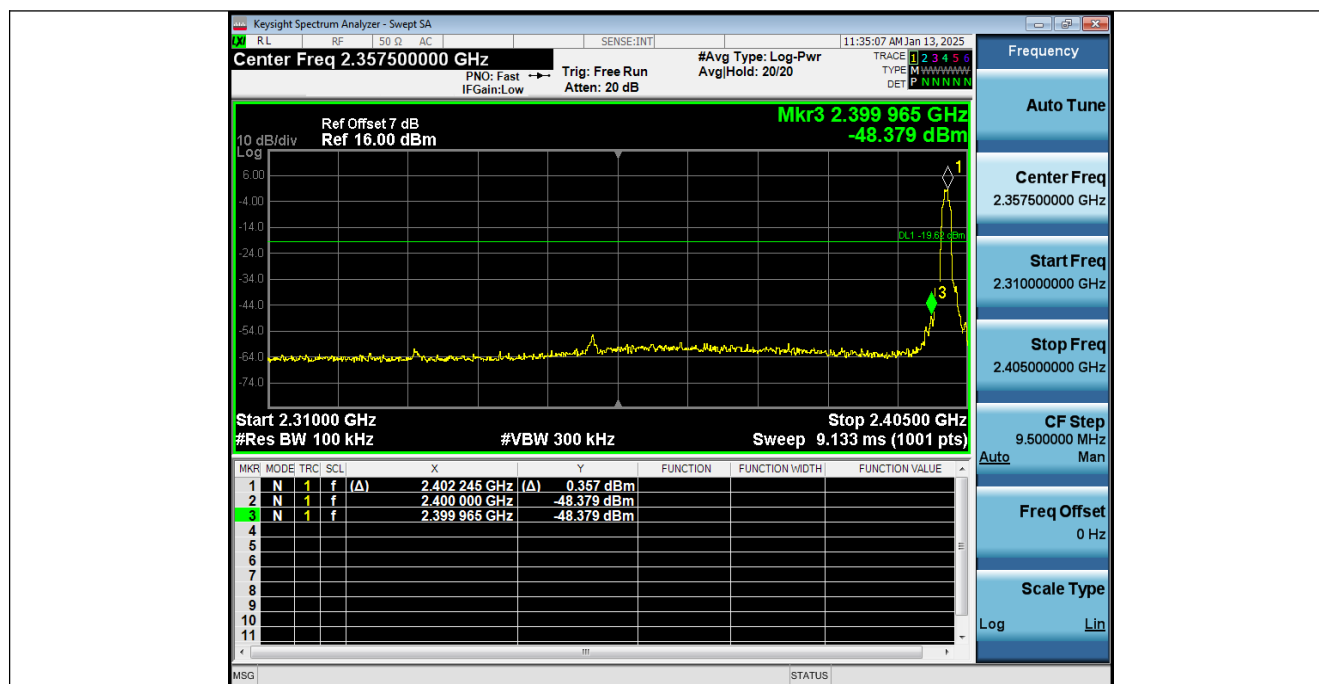
### 2\_Band\_Edge\_(Hopping)\_NVNT\_ANT1\_2-DH1\_Hopping



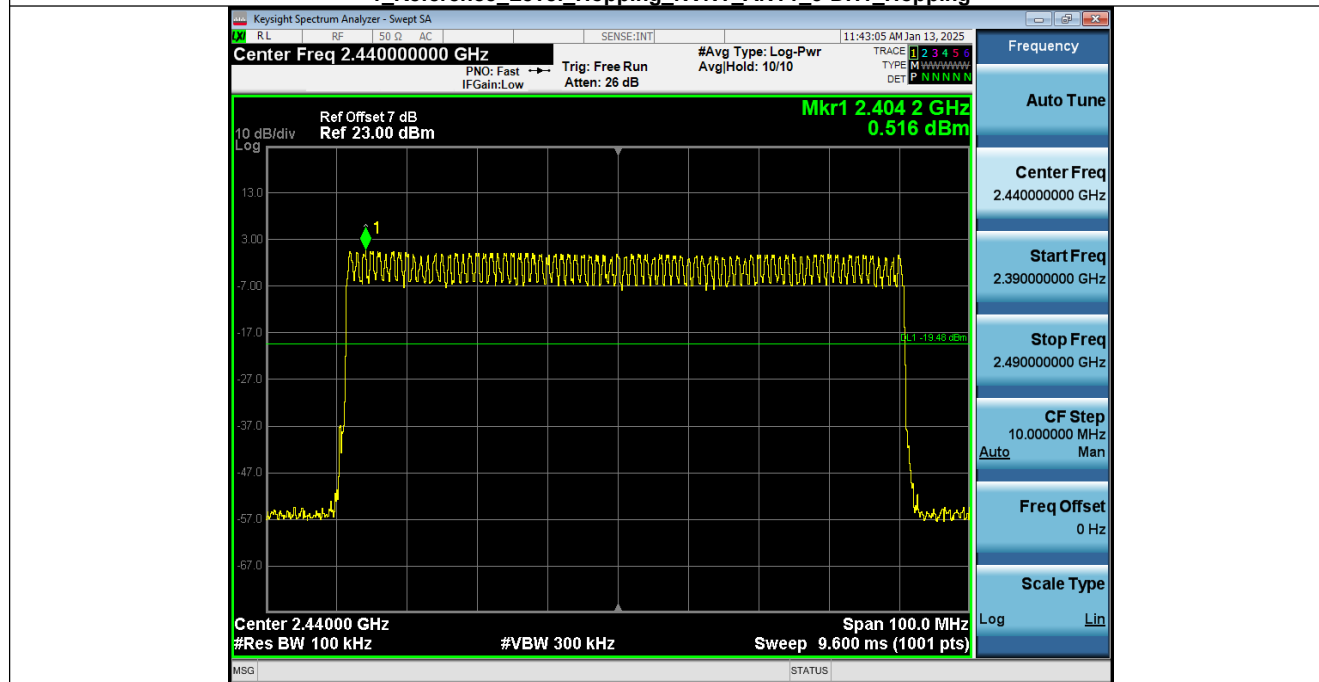
### 1\_Reference\_Level\_NVNT\_ANT1\_3-DH1\_2402\_00



### 2\_Bandedge\_NVNT\_ANT1\_3-DH1\_2402\_00

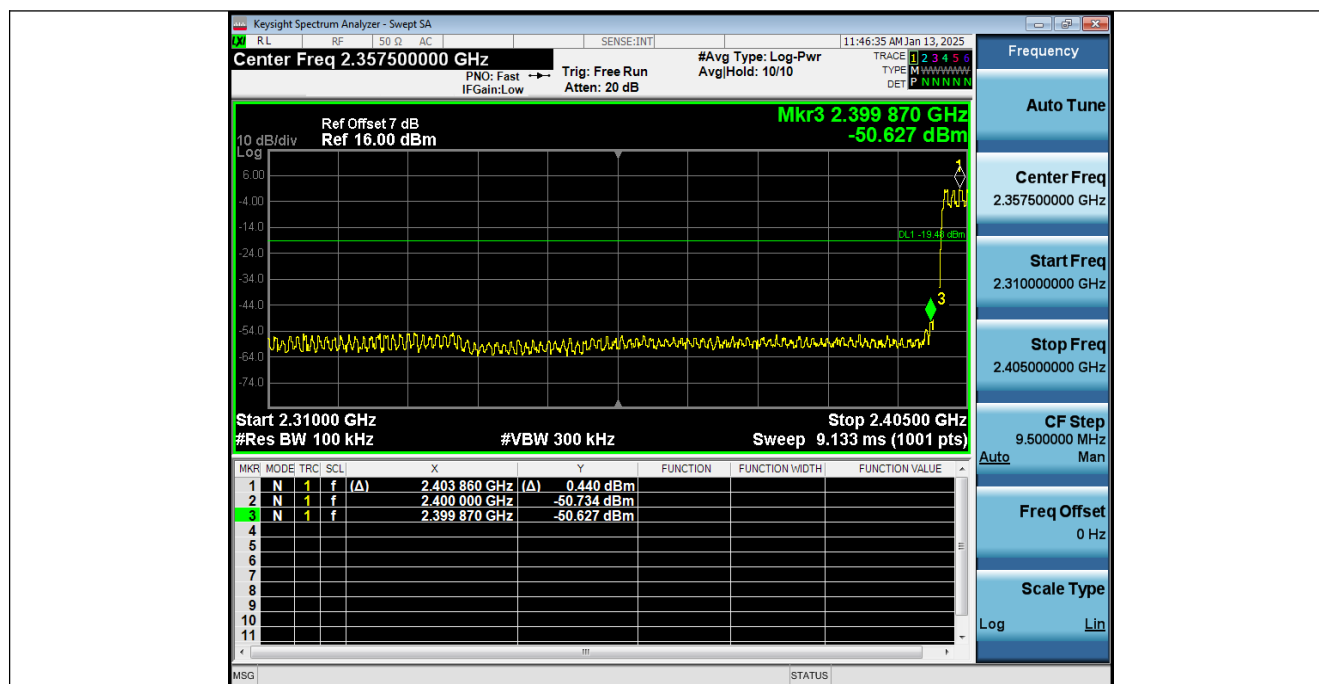


### 1 Reference\_Level\_Hopping\_NVNT\_ANT1\_3-DH1\_Hopping



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

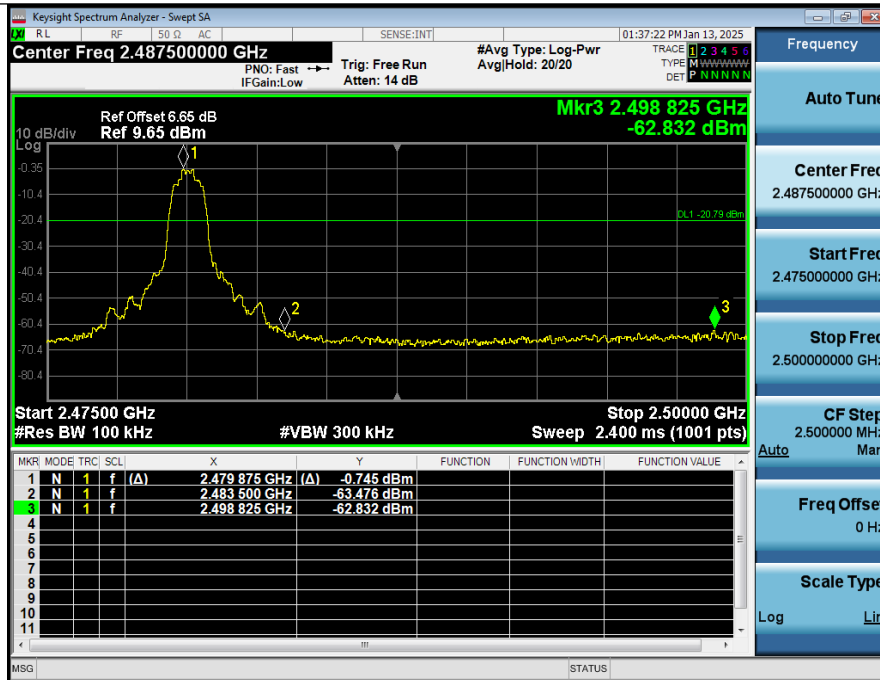




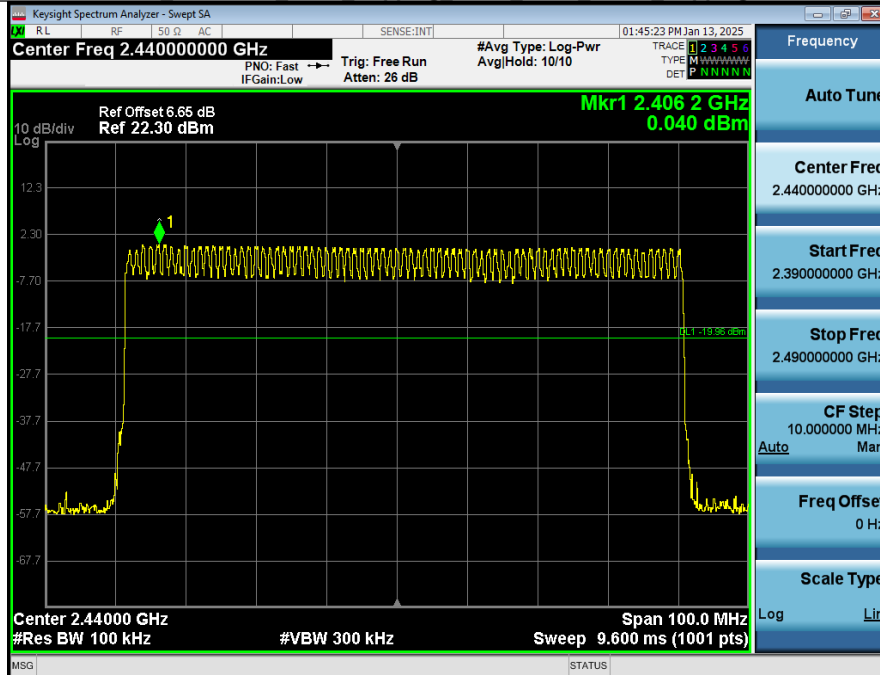
### 1\_Reference\_Level\_NVNT\_ANT1\_3-DH1\_2480\_00



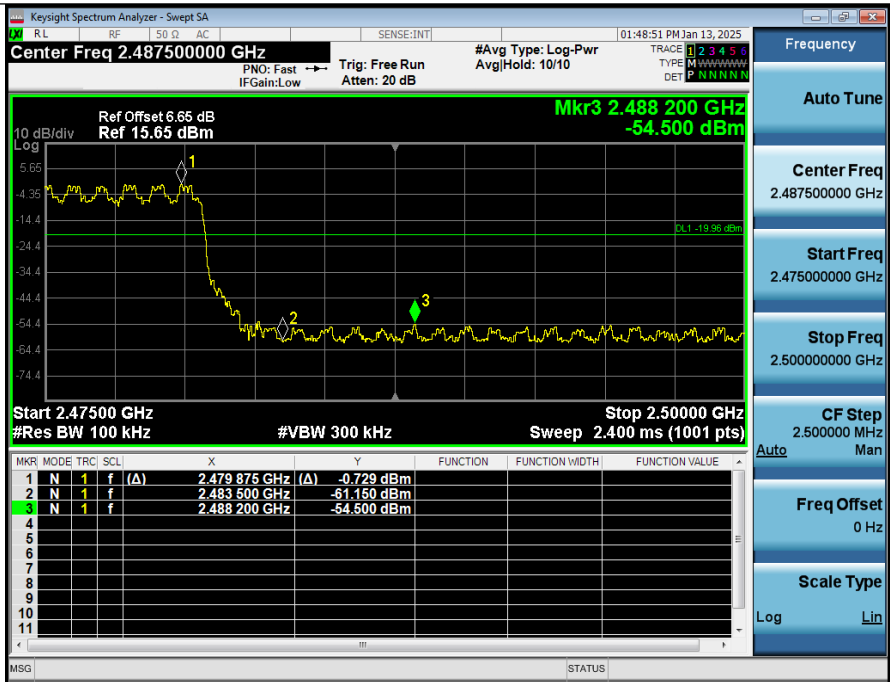
### 2\_Bandedge\_NVNT\_ANT1\_3-DH1\_2480\_00



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

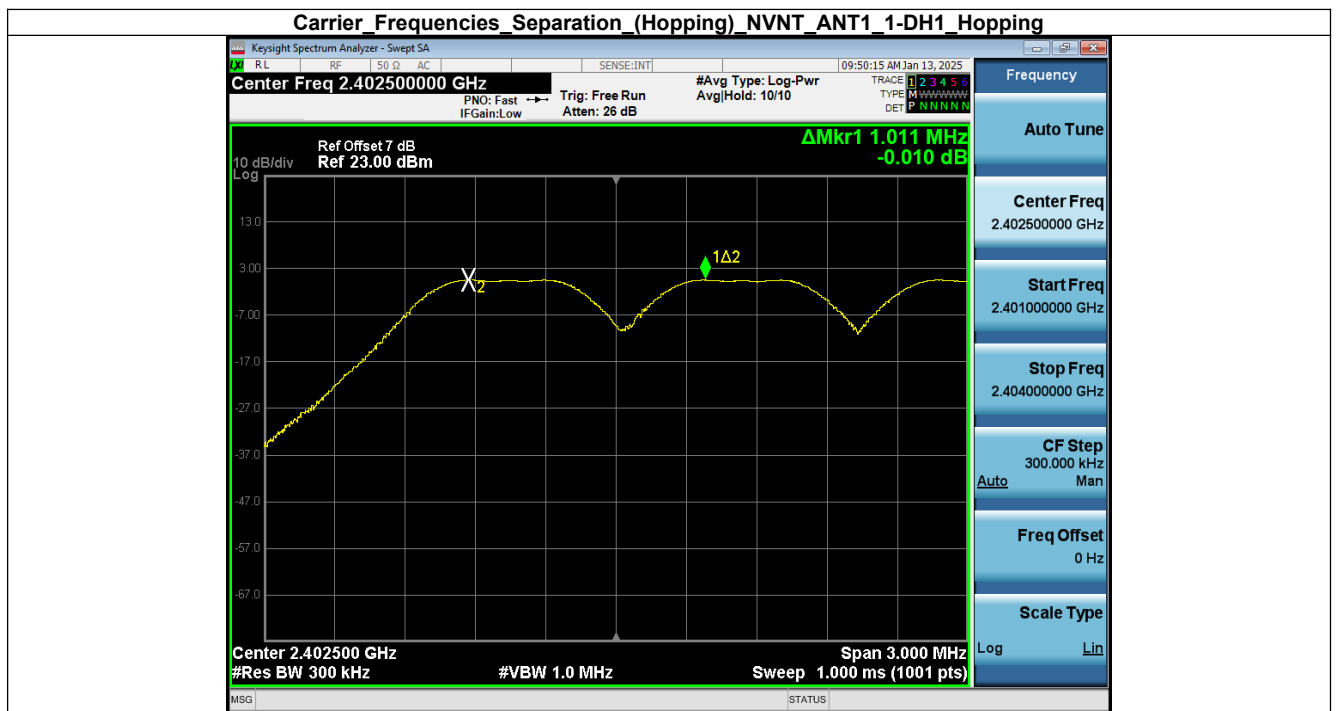


### 2\_Band\_Edge\_(Hopping)\_NVNT\_ANT1\_3-DH1\_Hopping

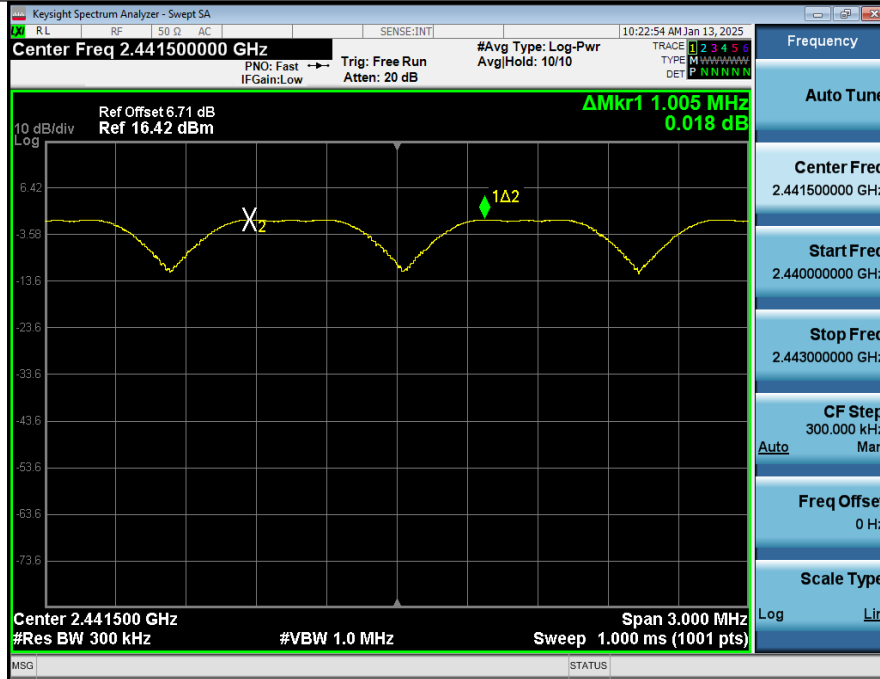


## 7. Carrier Frequencies Separation (Hopping)

| Condition | Antenna | Modulation | Frequency(MHz) | Hopping NO.0 (MHz) | Hopping NO.1 (MHz) | Carrier Frequencies Separation(MHz) | Limit(MHz) | Result |
|-----------|---------|------------|----------------|--------------------|--------------------|-------------------------------------|------------|--------|
| NVNT      | ANT1    | 1-DH1      | 2402.00        | 2401.870           | 2402.881           | 1.01                                | 0.879      | Pass   |
| NVNT      | ANT1    | 1-DH1      | 2441.00        | 2440.870           | 2441.875           | 1.00                                | 0.977      | Pass   |
| NVNT      | ANT1    | 1-DH1      | 2480.00        | 2478.861           | 2480.187           | 1.33                                | 0.925      | Pass   |
| NVNT      | ANT1    | 2-DH1      | 2402.00        | 2401.879           | 2402.866           | 0.99                                | 0.847      | Pass   |
| NVNT      | ANT1    | 2-DH1      | 2441.00        | 2440.861           | 2441.863           | 1.00                                | 0.851      | Pass   |
| NVNT      | ANT1    | 2-DH1      | 2480.00        | 2478.864           | 2479.866           | 1.00                                | 0.848      | Pass   |
| NVNT      | ANT1    | 3-DH1      | 2402.00        | 2402.203           | 2403.205           | 1.00                                | 0.817      | Pass   |
| NVNT      | ANT1    | 3-DH1      | 2441.00        | 2440.867           | 2442.181           | 1.31                                | 0.817      | Pass   |
| NVNT      | ANT1    | 3-DH1      | 2480.00        | 2478.870           | 2480.184           | 1.31                                | 0.831      | Pass   |



### Carrier\_Frequencies\_Separation\_(Hopping)\_NVNT\_ANT1\_1-DH1\_Hopping



### Carrier\_Frequencies\_Separation\_(Hopping)\_NVNT\_ANT1\_1-DH1\_Hopping





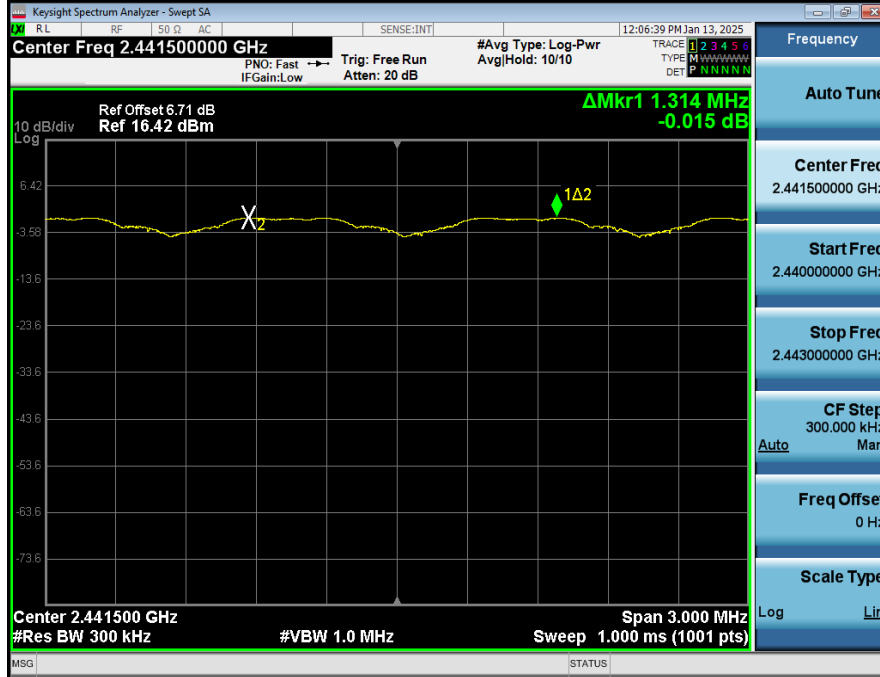
### Carrier\_Frequencies\_Separation\_(Hopping)\_NVNT\_ANT1\_2-DH1\_Hopping



### Carrier\_Frequencies\_Separation\_(Hopping)\_NVNT\_ANT1\_3-DH1\_Hopping



### Carrier\_Frequencies\_Separation\_(Hopping)\_NVNT\_ANT1\_3-DH1\_Hopping



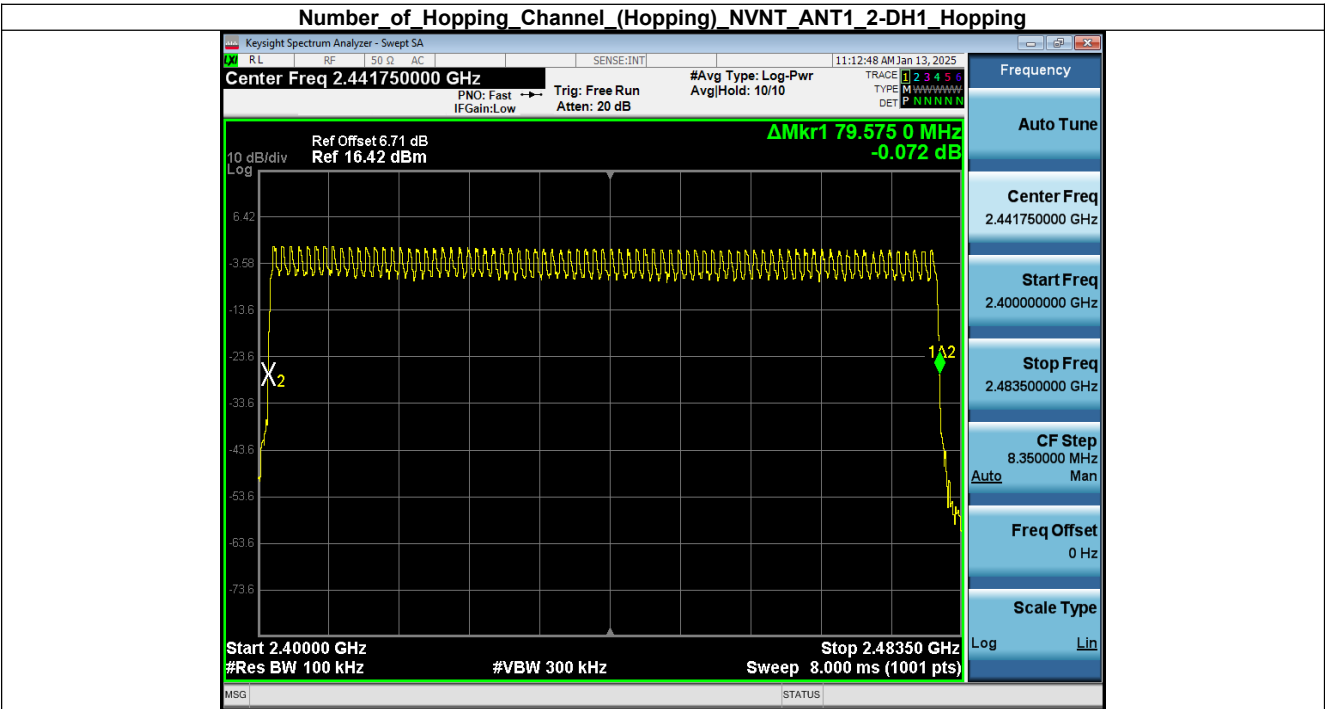
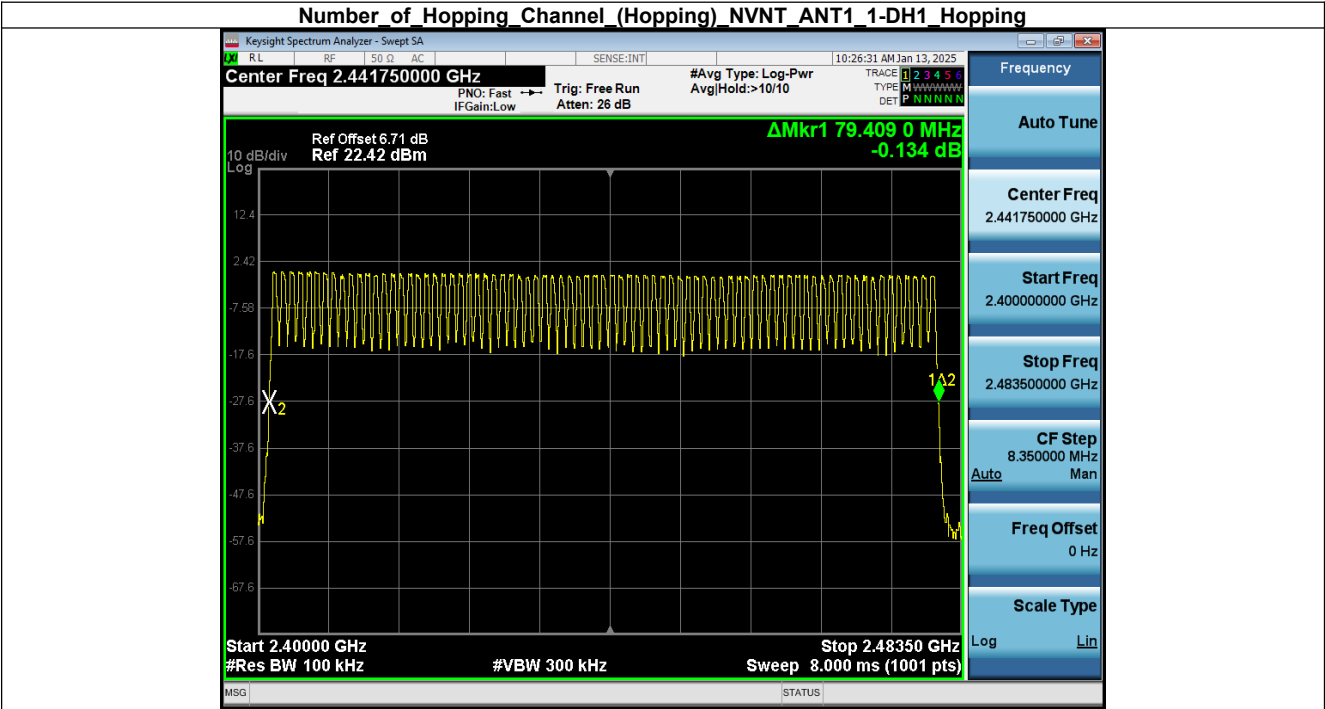
### Carrier\_Frequencies\_Separation\_(Hopping)\_NVNT\_ANT1\_3-DH1\_Hopping



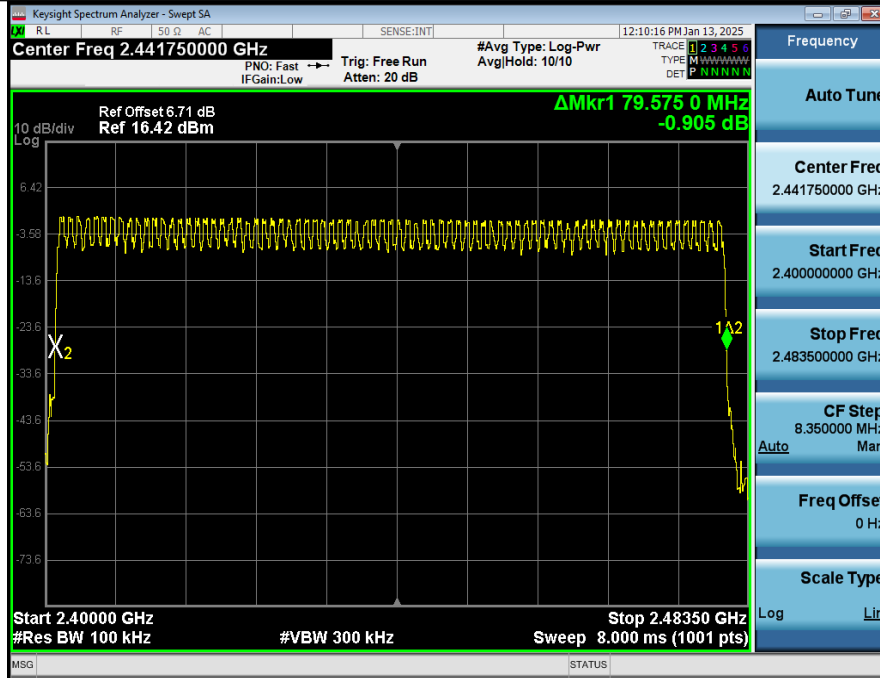


8. Number of Hopping Channel (Hopping)

| 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   |

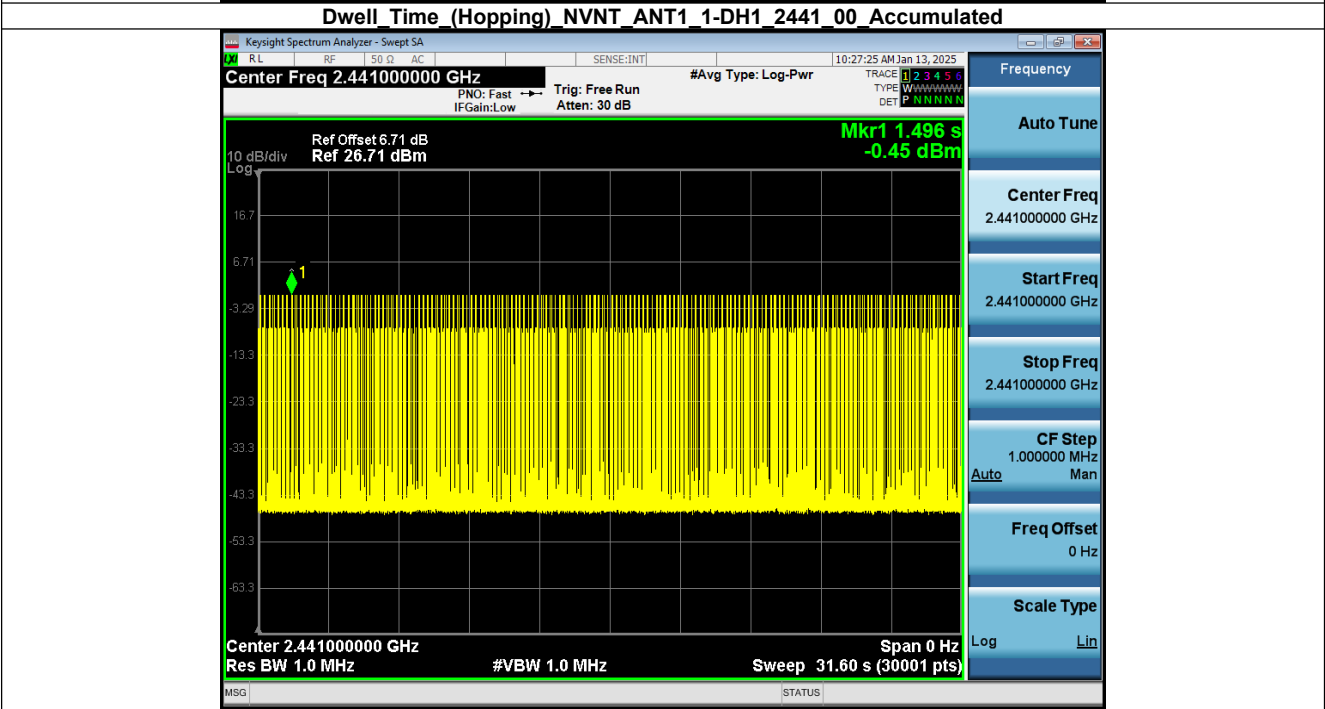
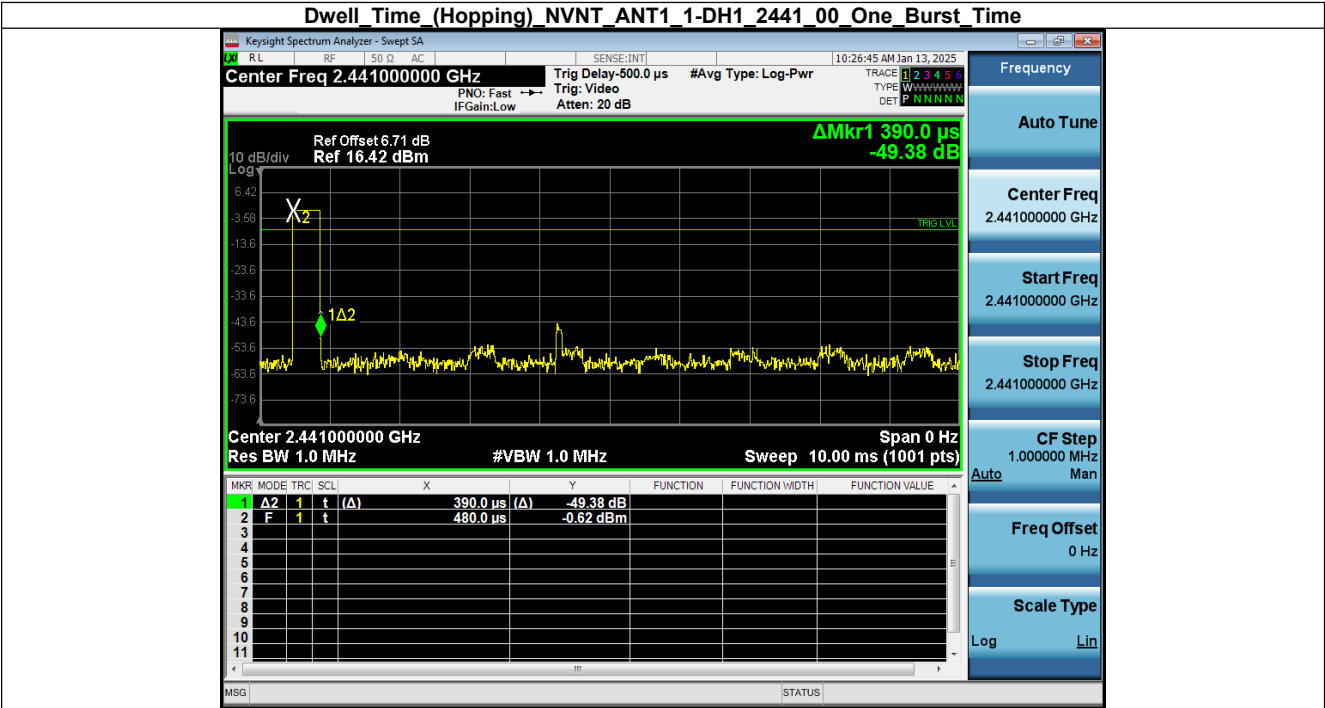


# Number\_of\_Hopping\_Channel\_(Hopping)\_NVNT\_ANT1\_3-DH1\_Hopping

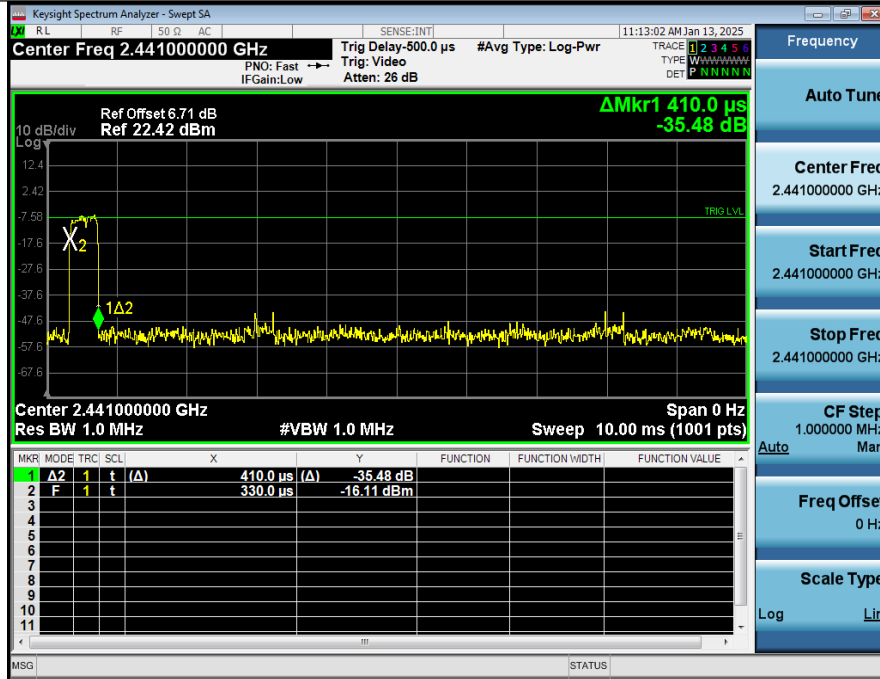


9. Dwell Time (Hopping)

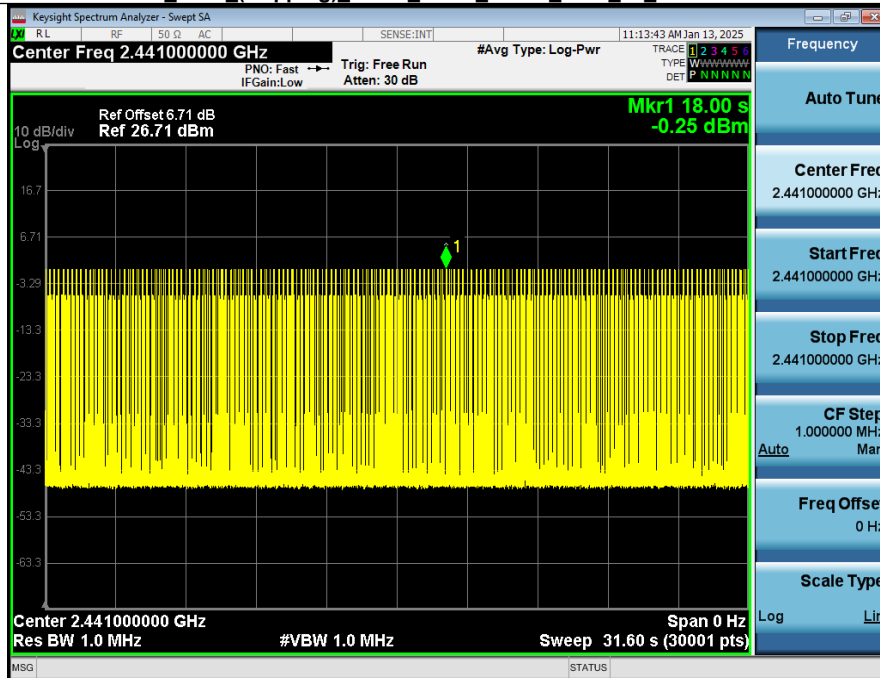
| Condition | Antenna | Packet Type | Pulse Time(ms) | Hops   | Dwell Time(ms) | Limit(s) | Result |
|-----------|---------|-------------|----------------|--------|----------------|----------|--------|
| NVNT      | ANT1    | 1-DH1       | 0.390          | 320.00 | 124.800        | 0.40     | Pass   |
| NVNT      | ANT1    | 2-DH1       | 0.410          | 320.00 | 131.200        | 0.40     | Pass   |
| NVNT      | ANT1    | 3-DH1       | 0.400          | 319.00 | 127.600        | 0.40     | Pass   |
| NVNT      | ANT1    | 1-DH5       | 1.650          | 150.00 | 247.500        | 0.40     | Pass   |
| NVNT      | ANT1    | 2-DH3       | 2.900          | 99.00  | 287.100        | 0.40     | Pass   |
| NVNT      | ANT1    | 2-DH5       | 1.650          | 153.00 | 252.450        | 0.40     | Pass   |
| NVNT      | ANT1    | 2-DH5       | 2.900          | 108.00 | 313.200        | 0.40     | Pass   |
| NVNT      | ANT1    | 3-DH3       | 1.650          | 164.00 | 270.600        | 0.40     | Pass   |
| NVNT      | ANT1    | 3-DH5       | 2.900          | 114.00 | 330.600        | 0.40     | Pass   |



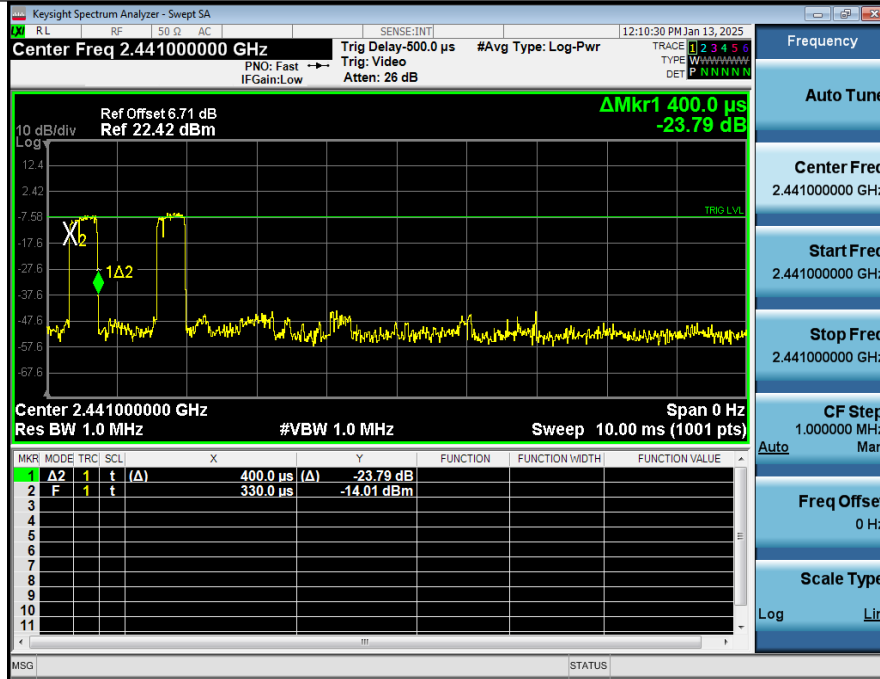
### Dwell Time (Hopping) NVNT\_ANT1\_2-DH1\_2441\_00\_One\_Burst\_Time



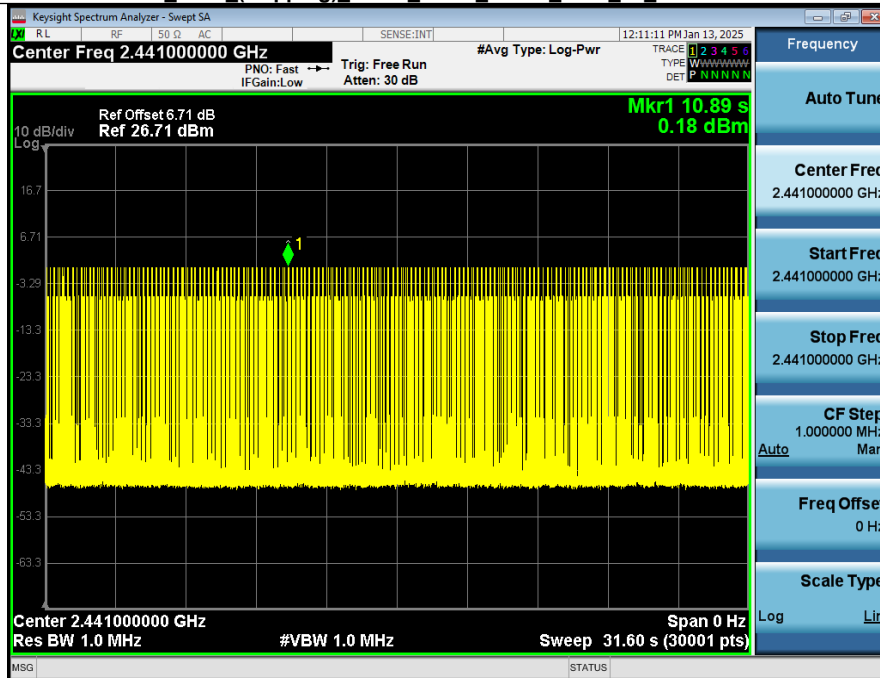
### Dwell Time (Hopping) NVNT\_ANT1\_2-DH1\_2441\_00\_Accumulated



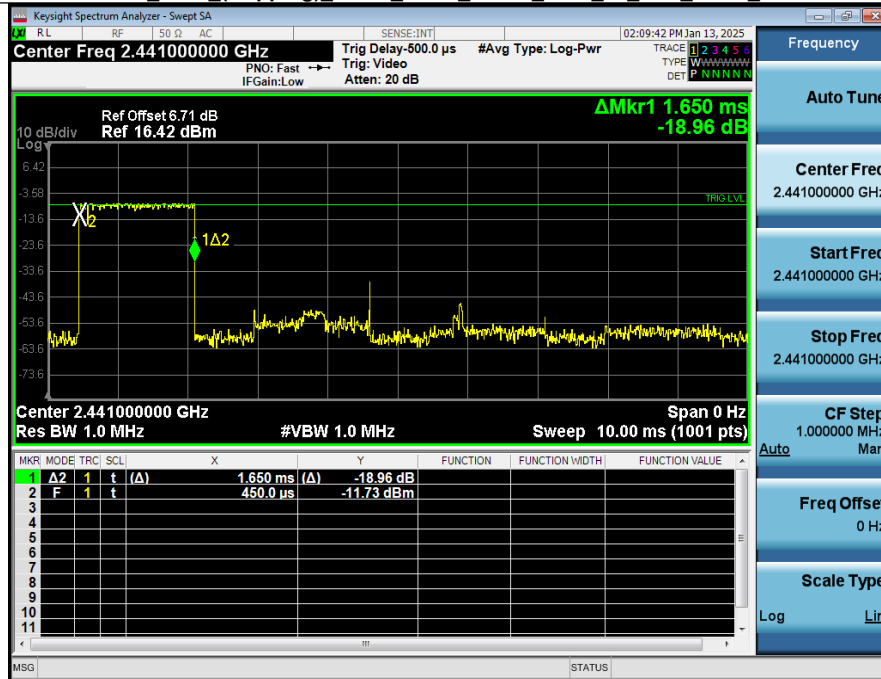
### Dwell Time (Hopping) NVNT\_ANT1\_3-DH1\_2441\_00\_One\_Burst\_Time



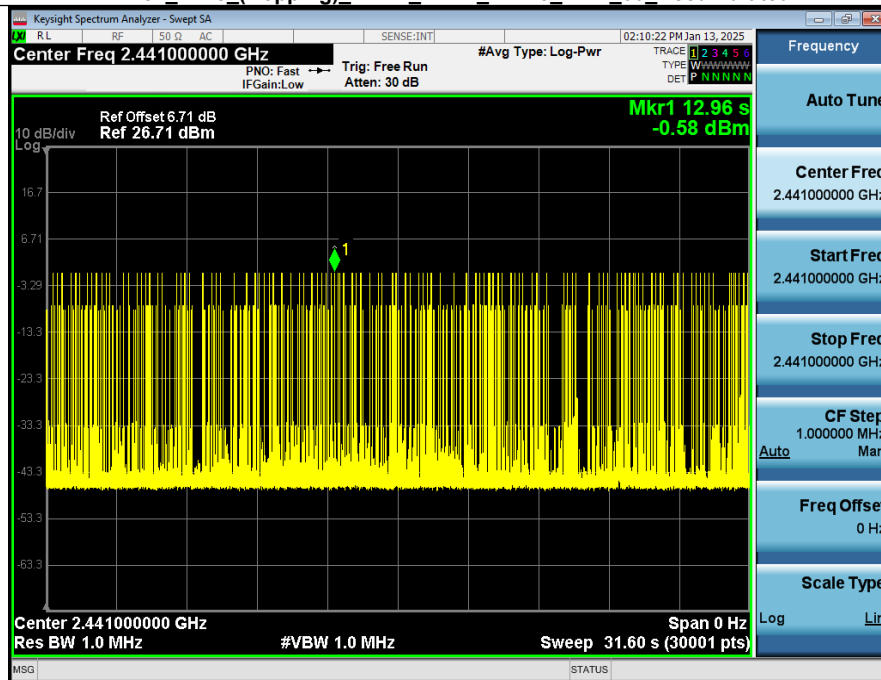
### Dwell Time (Hopping) NVNT\_ANT1\_3-DH1\_2441\_00\_Accumulated



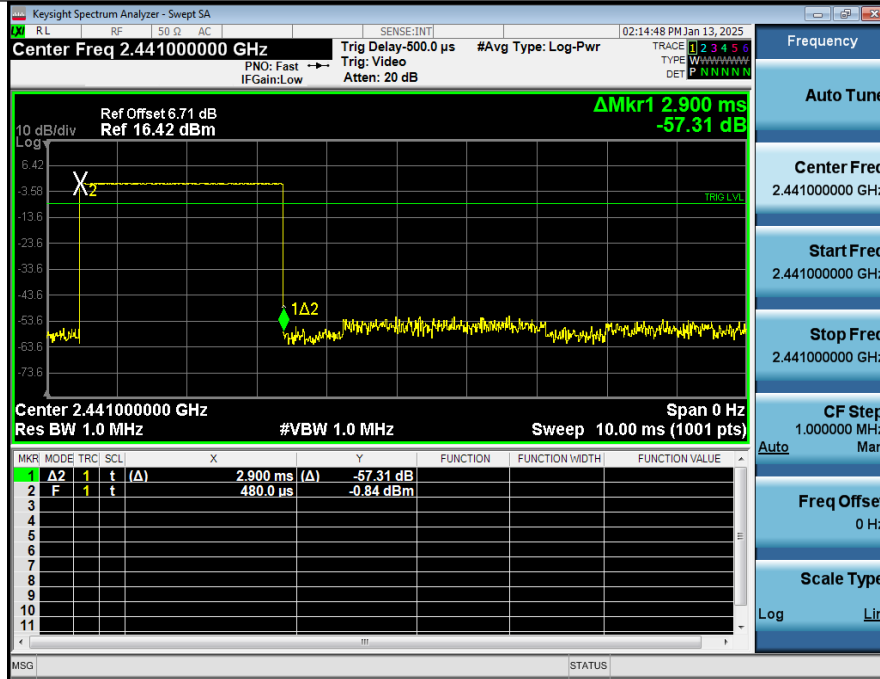
# Dwell Time (Hopping) NVNT\_ANT1\_1-DH3\_2441\_00\_One\_Burst Time



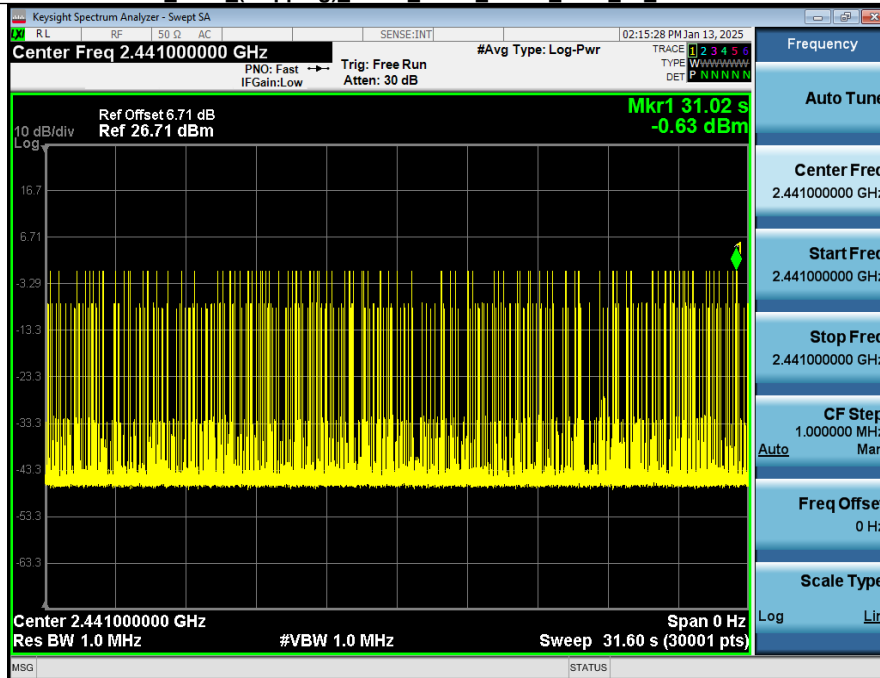
# Dwell Time (Hopping) NVNT\_ANT1\_1-DH3\_2441\_00\_Accumulated



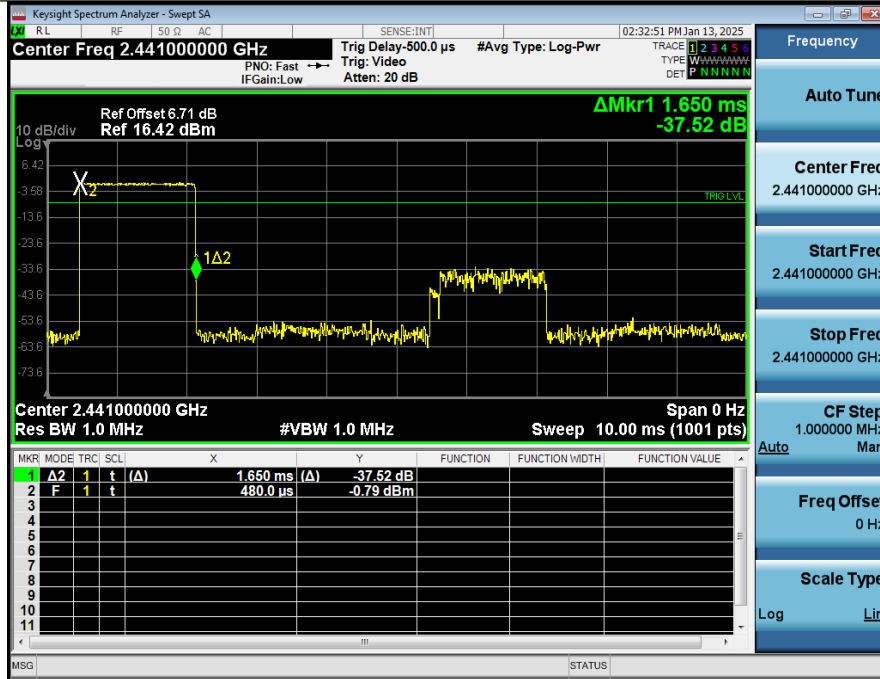
### Dwell Time (Hopping) NVNT\_ANT1\_1-DH5\_2441\_00\_One\_Burst Time



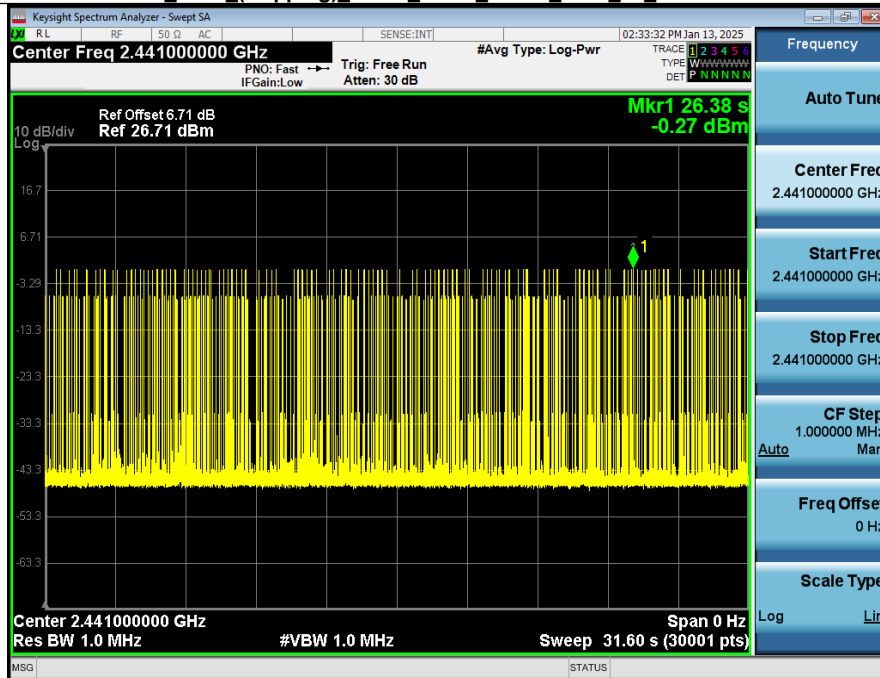
### Dwell Time (Hopping) NVNT\_ANT1\_1-DH5\_2441\_00\_Accumulated



### Dwell Time (Hopping) NVNT\_ANT1\_2-DH3\_2441\_00\_One\_Burst\_Time

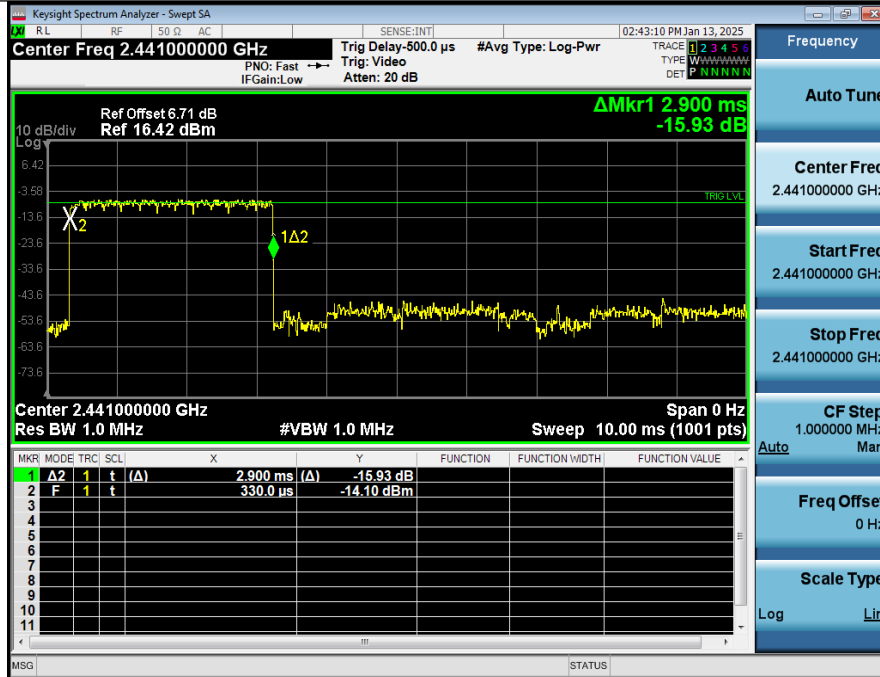


### Dwell Time (Hopping) NVNT\_ANT1\_2-DH3\_2441\_00\_Accumulated

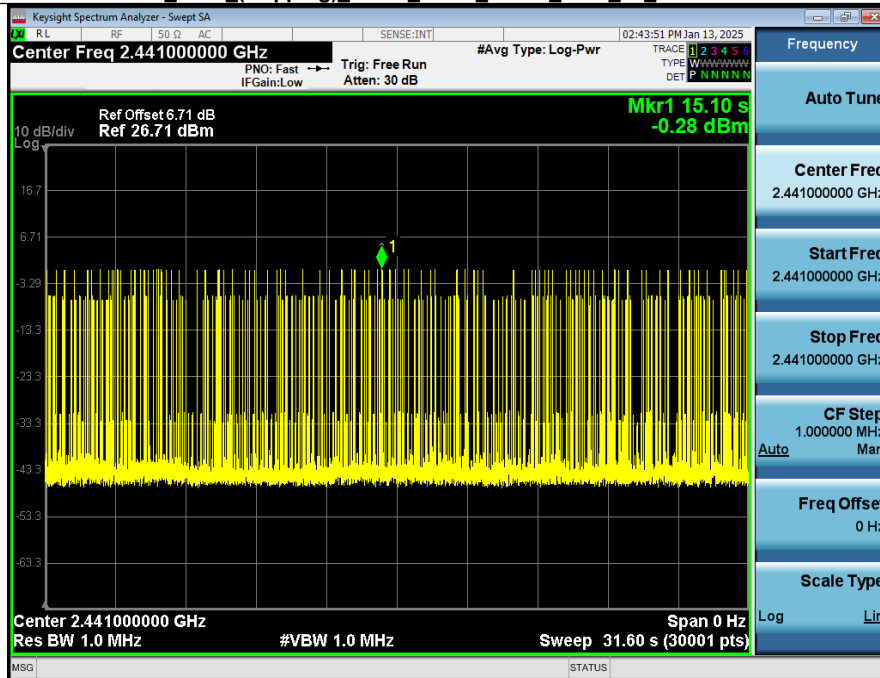




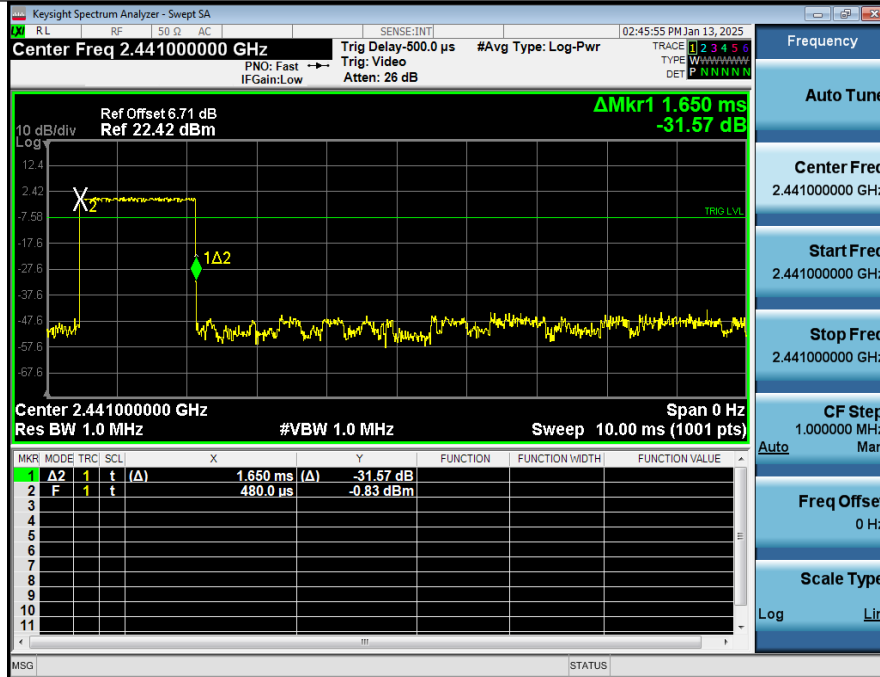
### Dwell Time (Hopping) NVNT\_ANT1\_2-DH5\_2441\_00\_One\_Burst\_Time



### Dwell Time (Hopping) NVNT\_ANT1\_2-DH5\_2441\_00\_Accumulated



### Dwell Time (Hopping) NVNT\_ANT1\_3-DH3\_2441\_00\_One\_Burst\_Time



### Dwell Time (Hopping) NVNT\_ANT1\_3-DH3\_2441\_00\_Accumulated

