

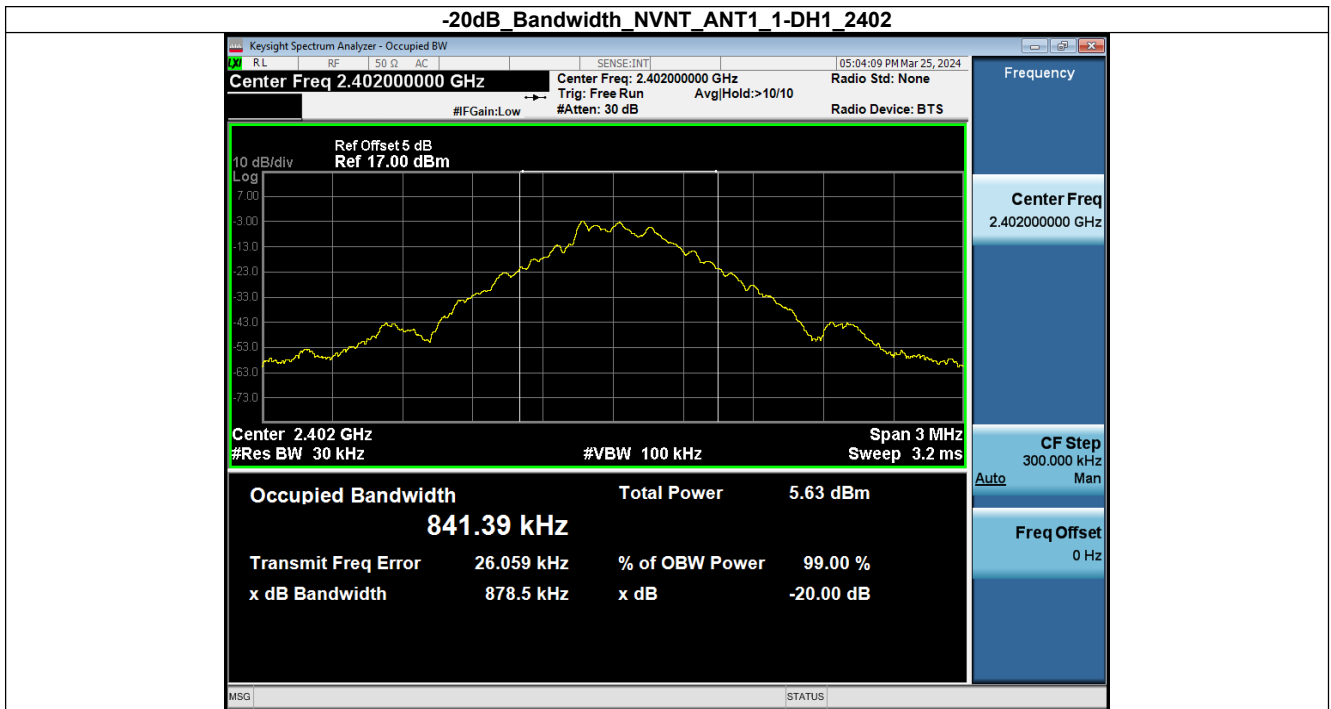
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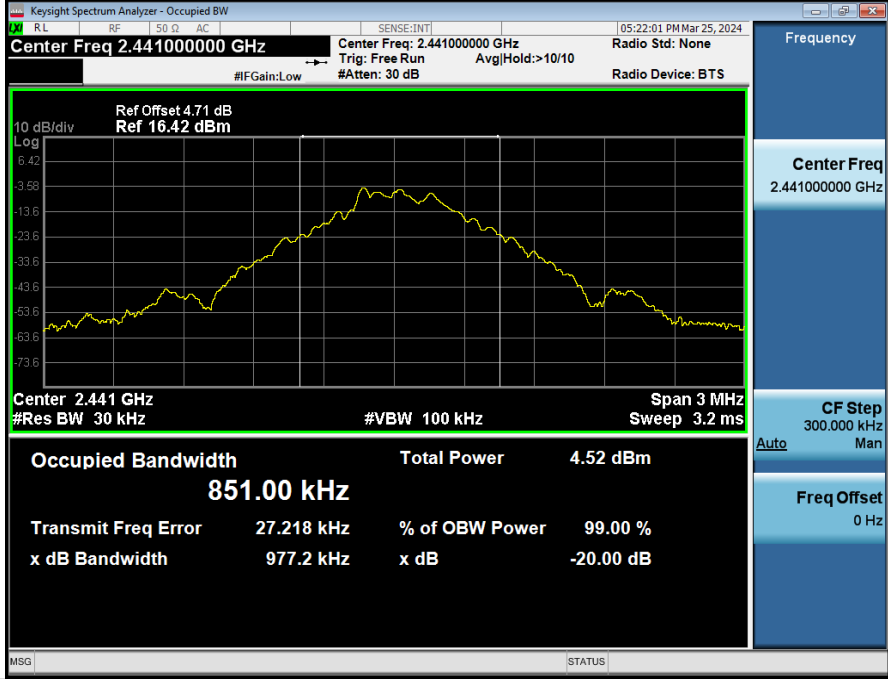
# FCC ID:2ANSM-E1MINI FCC\_BT (Part15.247) Test Data

## 1. -20dB Bandwidth

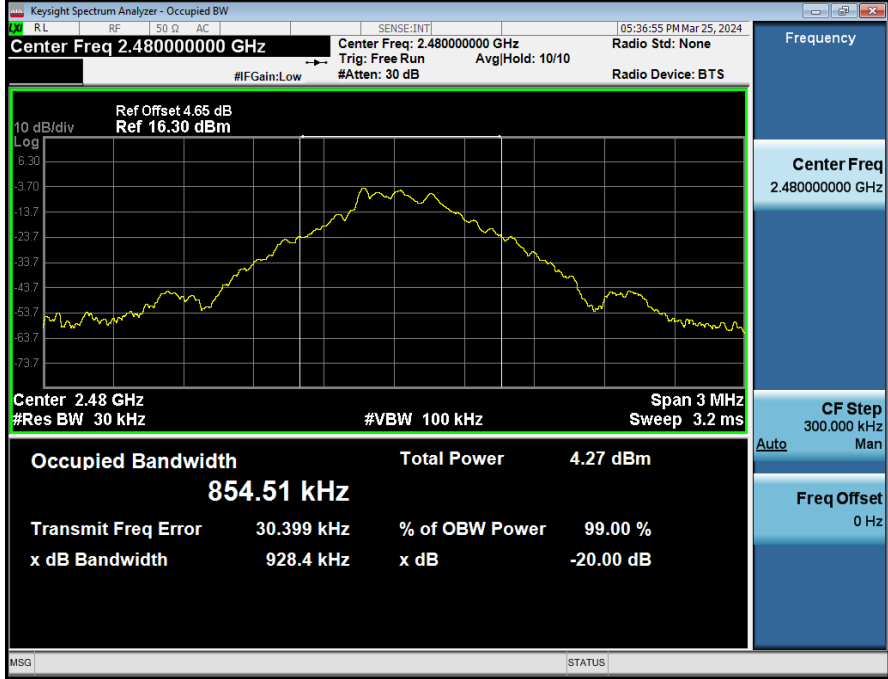
Condition	Antenna	Modulation	Frequency (MHz)	-20dB BW(MHz)	if larger than CFS
NVNT	ANT1	1-DH1	2402	0.879	No
NVNT	ANT1	1-DH1	2441.00	0.977	No
NVNT	ANT1	1-DH1	2480	0.928	No
NVNT	ANT1	2-DH1	2402	1.274	Yes
NVNT	ANT1	2-DH1	2441.00	1.278	Yes
NVNT	ANT1	2-DH1	2480	1.272	Yes



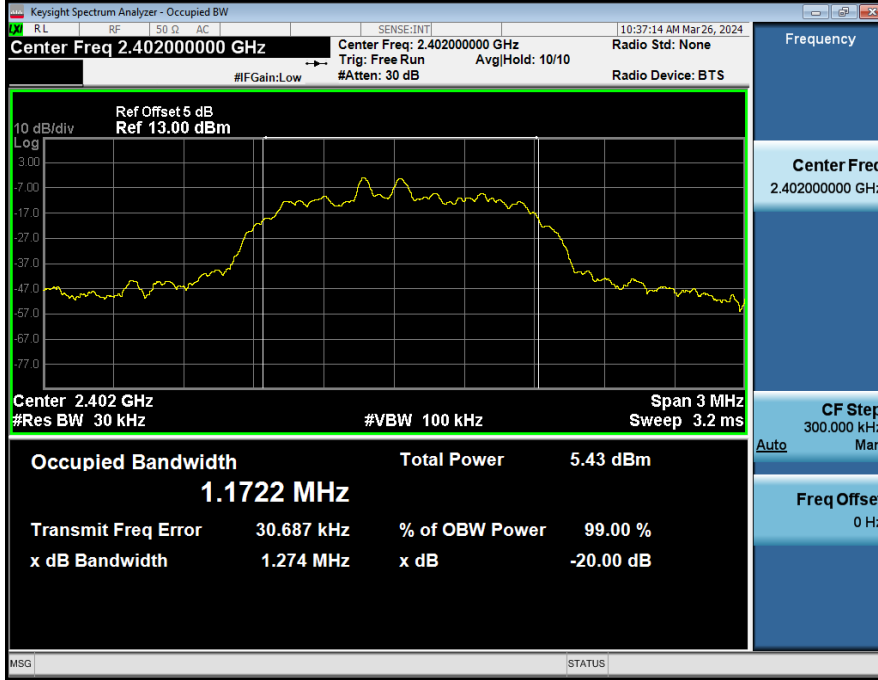
**-20dB Bandwidth\_NVNT\_ANT1\_1-DH1\_2441**



**-20dB Bandwidth\_NVNT ANT1\_1-DH1\_2480**



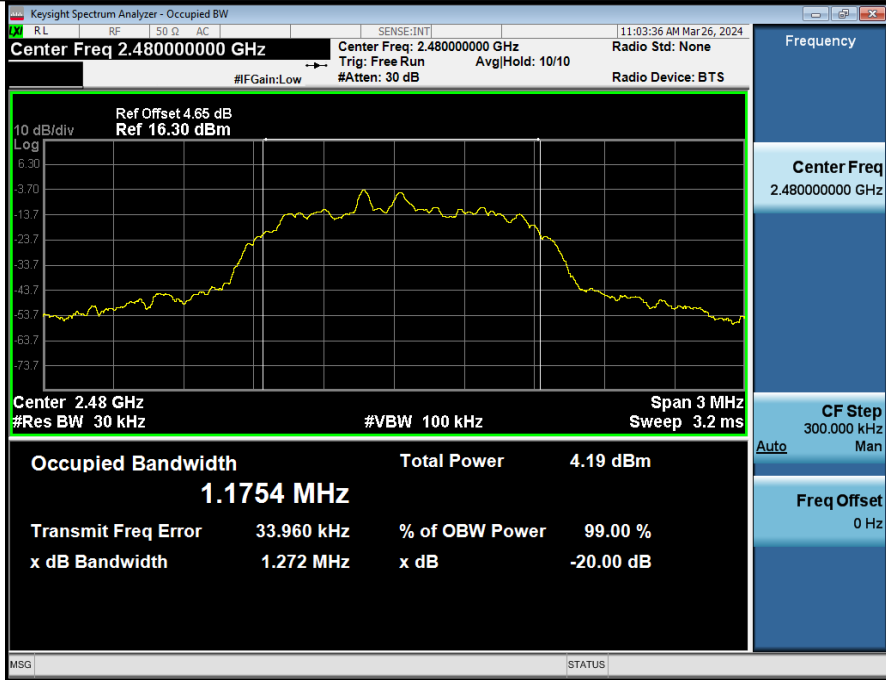
**-20dB Bandwidth\_NVNT\_ANT1\_2-DH1\_2402**



**-20dB Bandwidth\_NVNT\_ANT1\_2-DH1\_2441**

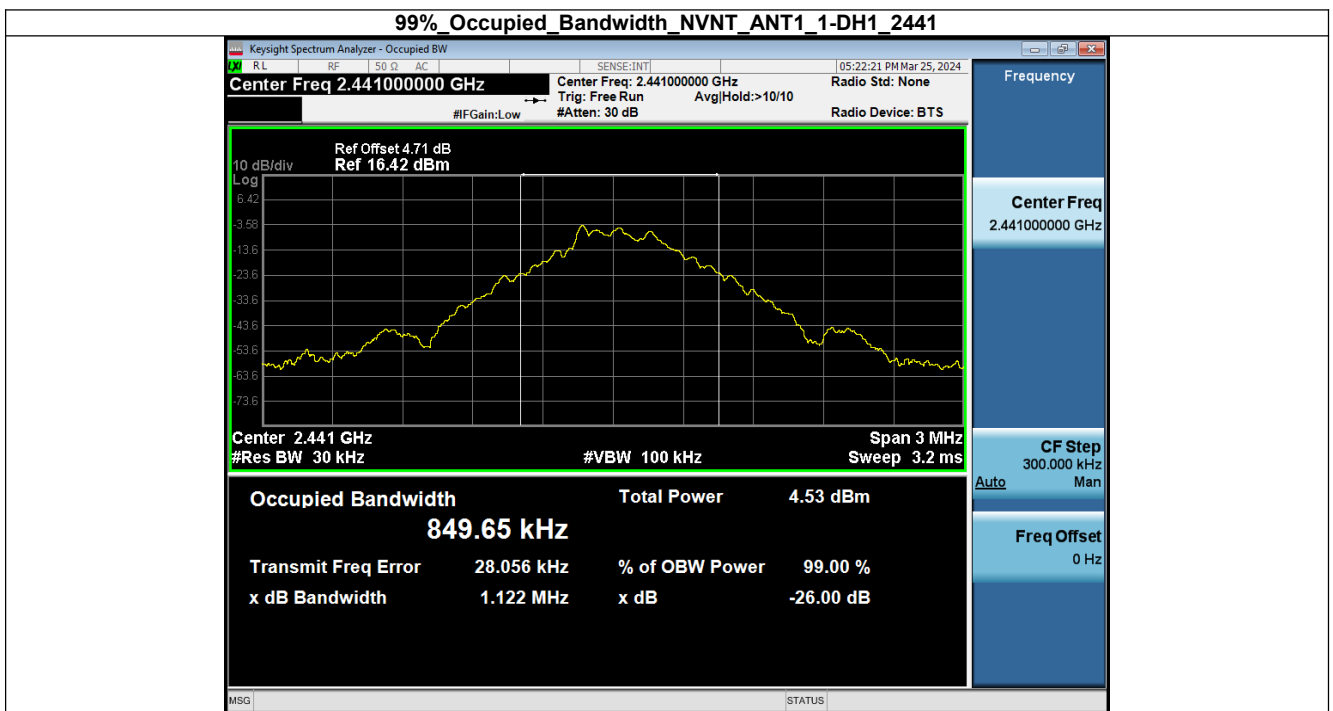
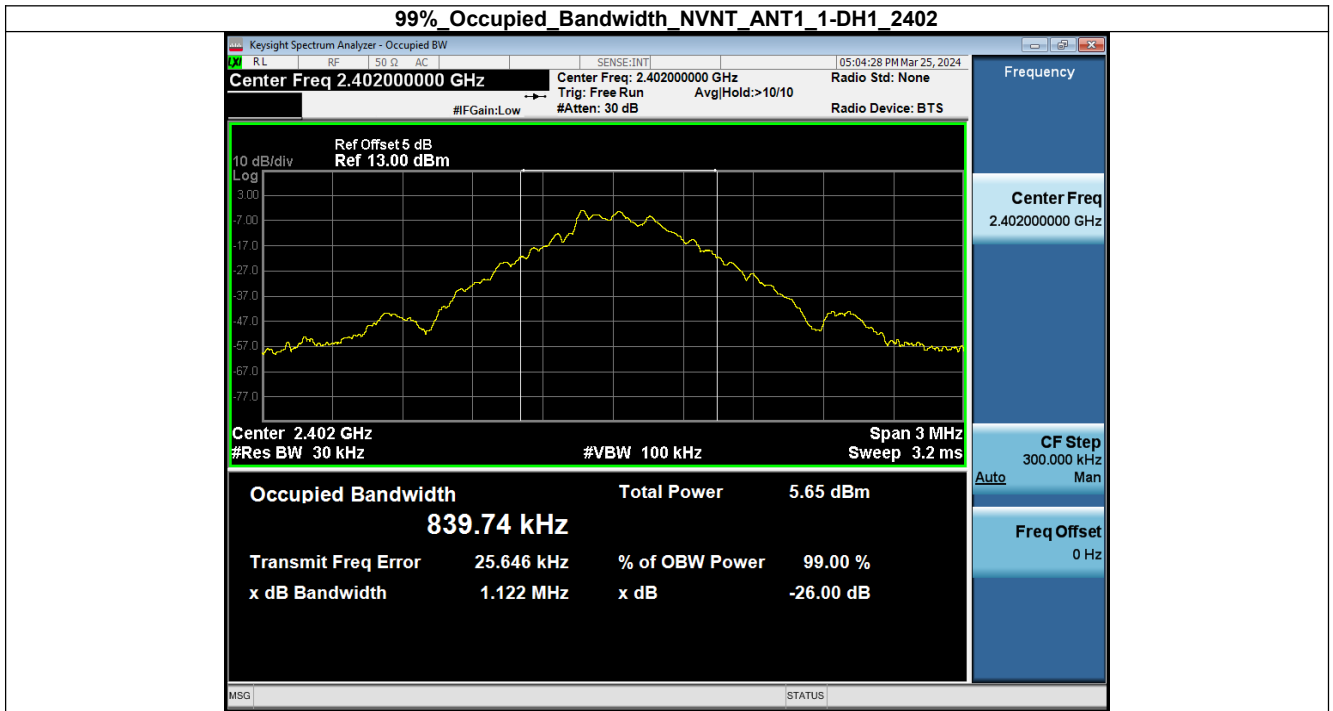


**-20dB Bandwidth\_NVNT\_ANT1\_2-DH1\_2480**

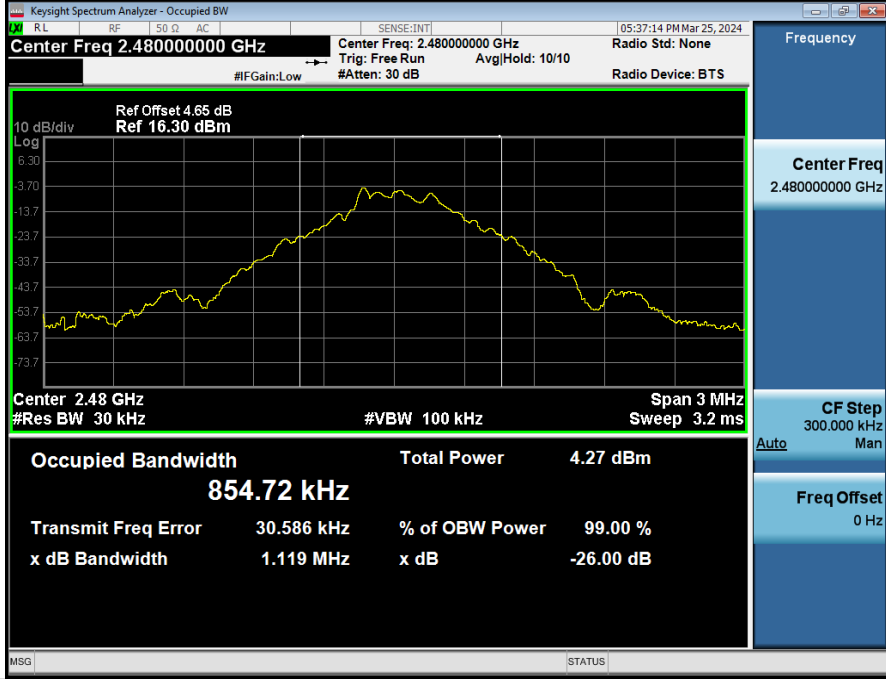


## 2. 99% Occupied Bandwidth

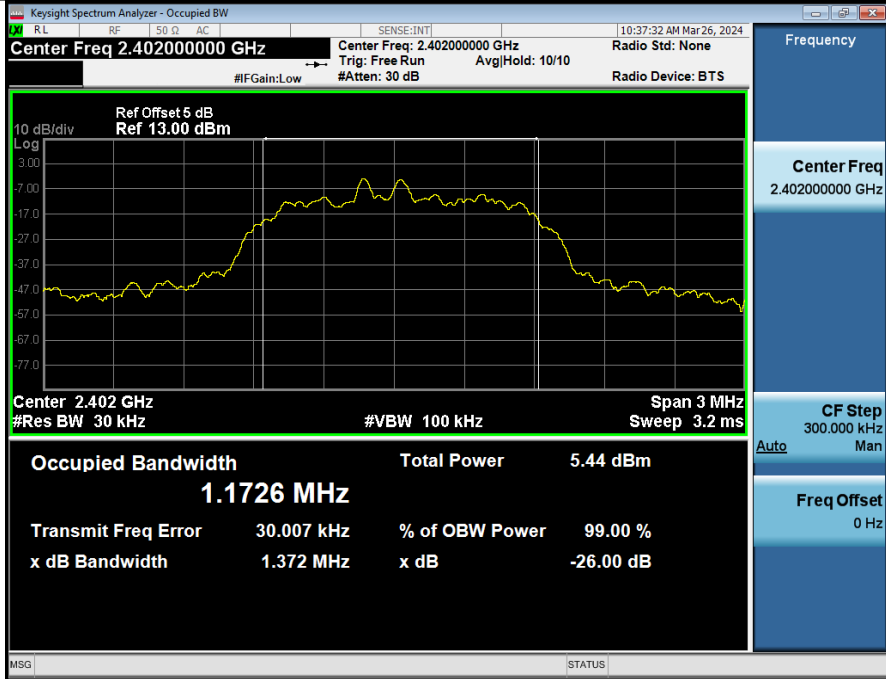
Condition	Antenna	Modulation	Frequency (MHz)	99% BW (MHz)
NVNT	ANT1	1-DH1	2402	0.840
NVNT	ANT1	1-DH1	2441.00	0.850
NVNT	ANT1	1-DH1	2480	0.855
NVNT	ANT1	2-DH1	2402	1.173
NVNT	ANT1	2-DH1	2441.00	1.175
NVNT	ANT1	2-DH1	2480	1.176



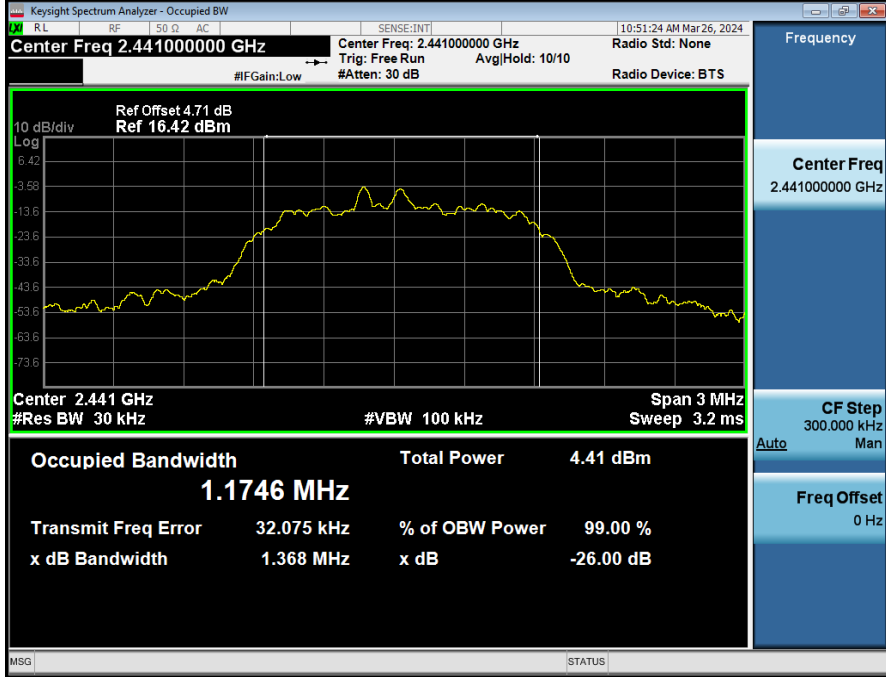
99% Occupied Bandwidth NVNT\_ANT1\_1-DH1\_2480



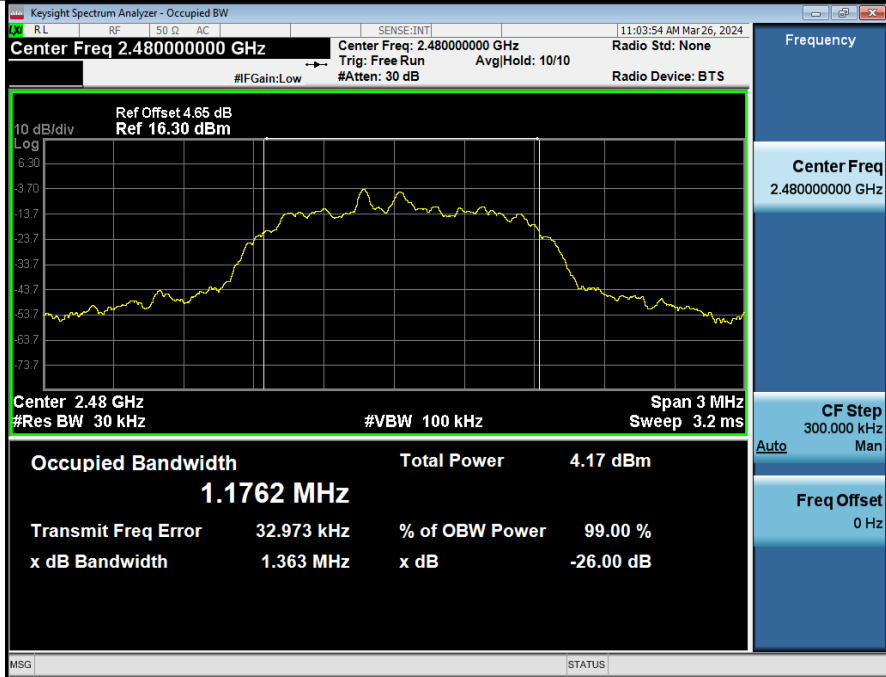
99% Occupied Bandwidth NVNT\_ANT1\_2-DH1\_2402



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



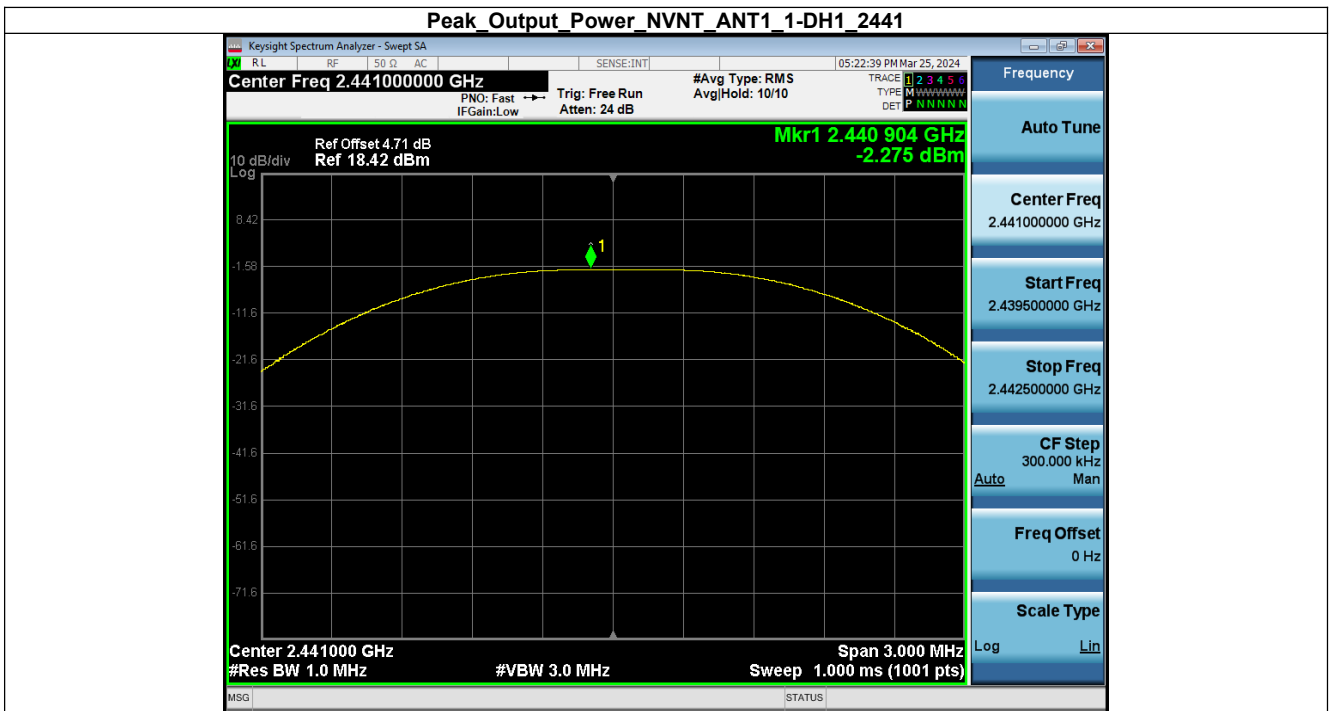
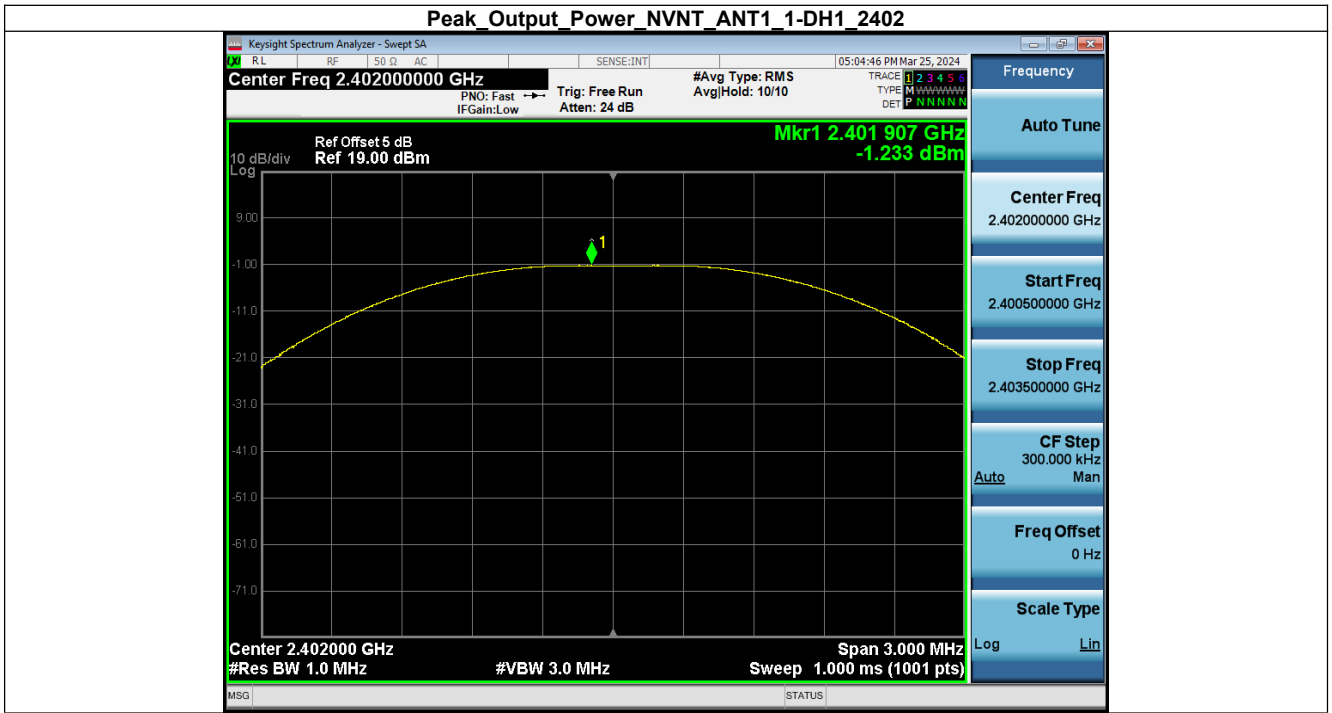
99% Occupied Bandwidth NVNT\_ANT1\_2-DH1\_2480



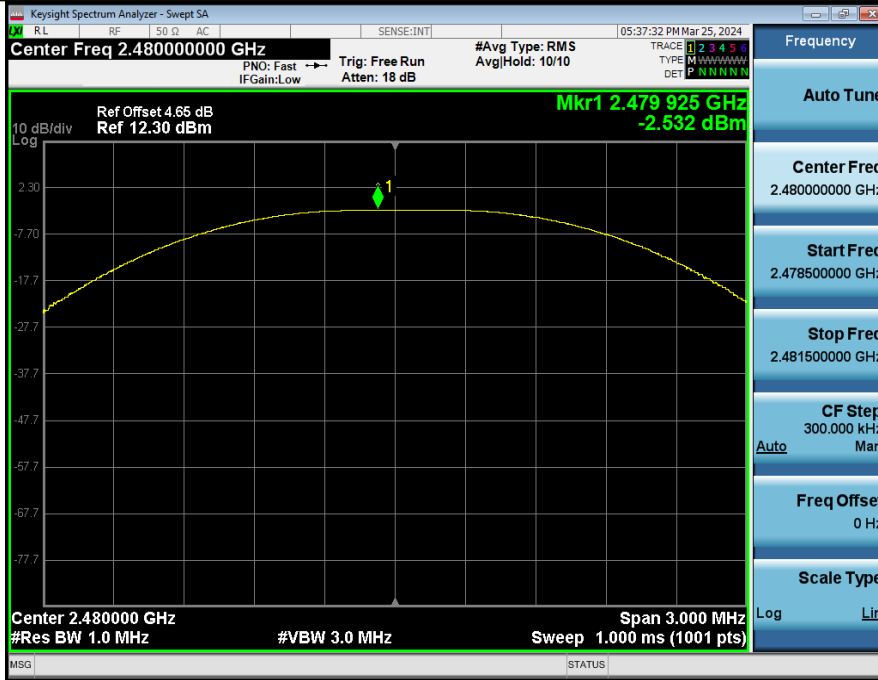


### 3. Peak Output Power

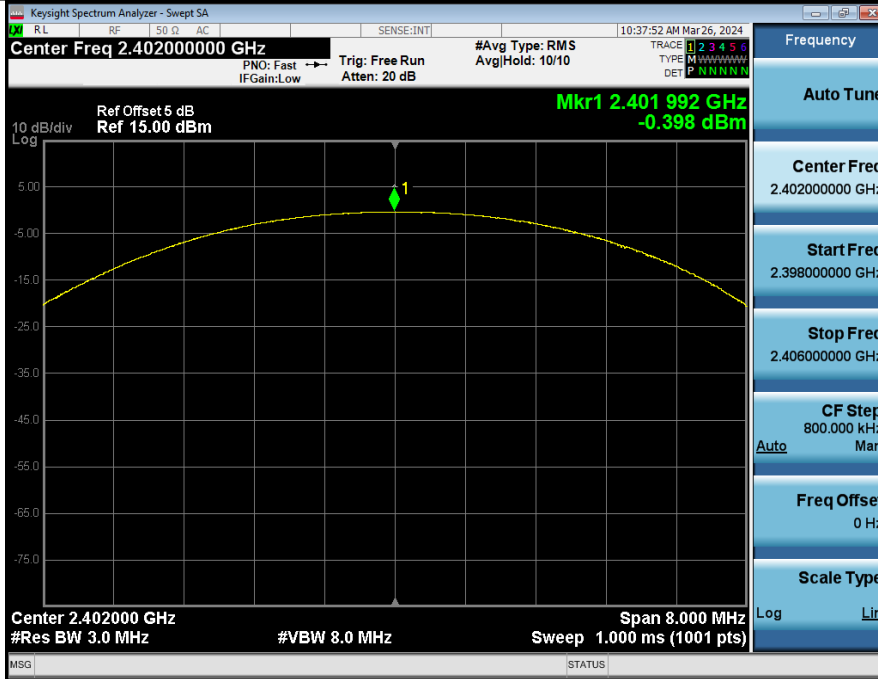
Condition	Antenna	Modulation	Frequency (MHz)	Max. Conducted Power(dBm)	Max. Conducted Power(mW)	Limit(mW)	Result
NVNT	ANT1	1-DH1	2402	-1.23	0.75	1000	Pass
NVNT	ANT1	1-DH1	2441.00	-2.27	0.59	1000	Pass
NVNT	ANT1	1-DH1	2480	-2.53	0.56	1000	Pass
NVNT	ANT1	2-DH1	2402	-0.40	0.91	125	Pass
NVNT	ANT1	2-DH1	2441.00	-1.33	0.74	125	Pass
NVNT	ANT1	2-DH1	2480	-1.54	0.70	125	Pass



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



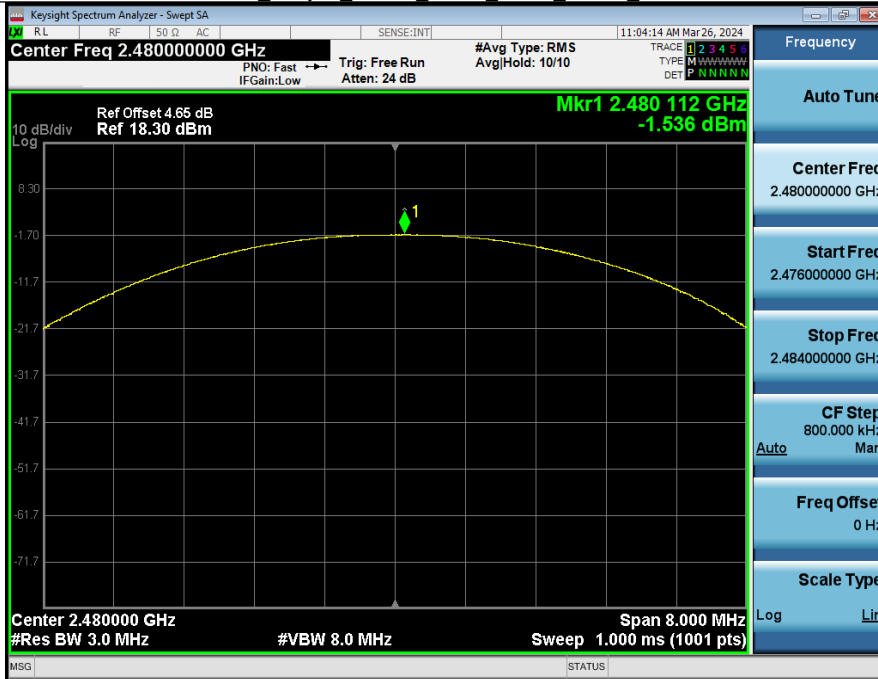
Peak Output Power\_NVNT\_ANT1\_2-DH1\_2402



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



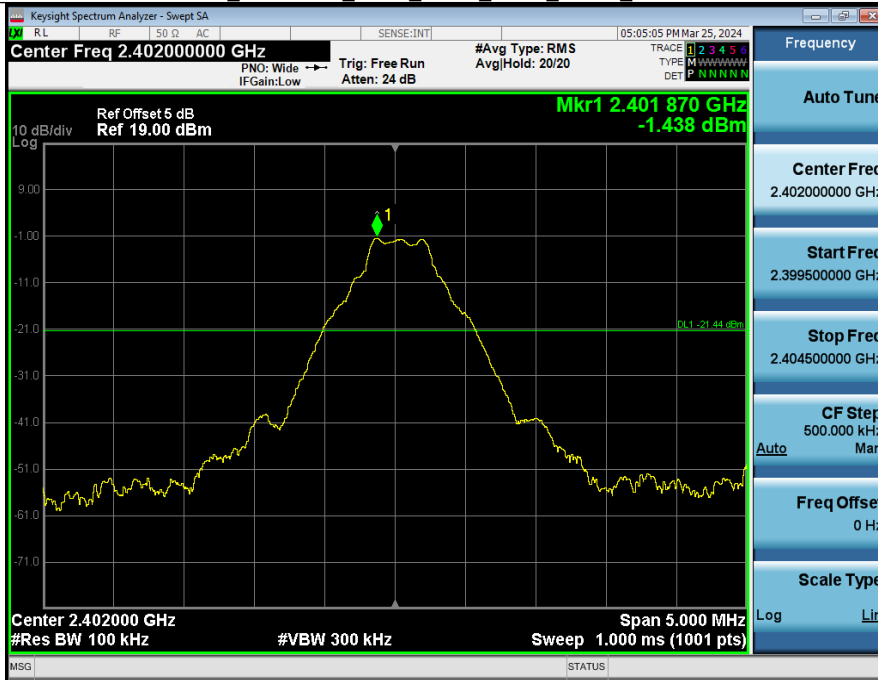
Peak Output Power\_NVNT\_ANT1\_2-DH1\_2480



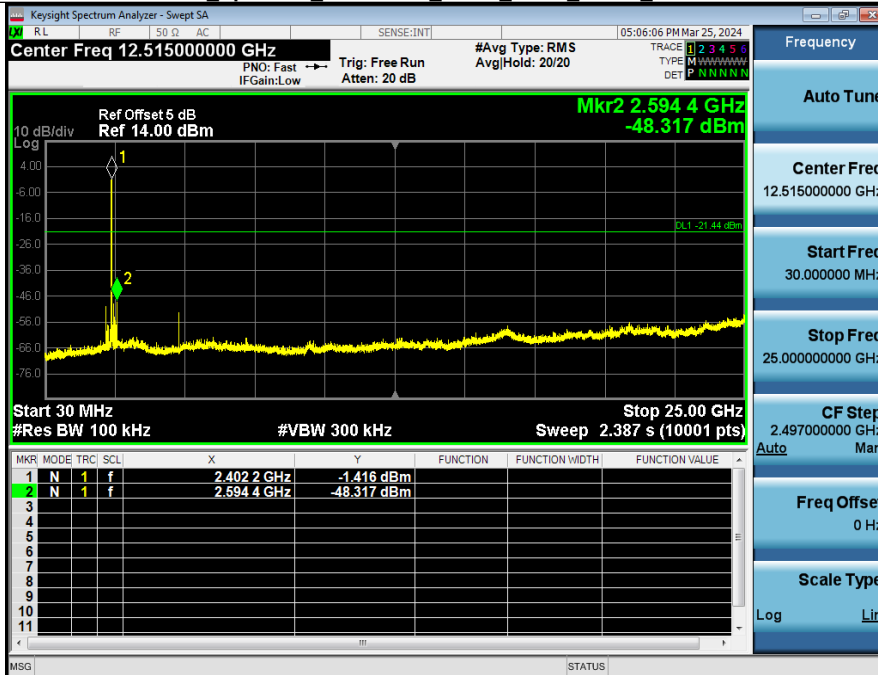
## 4. Spurious Emissions

Condition	Antenna	Modulation	TX Mode	Spurious MAX.Value(dBm)	Limit	Result
NVNT	ANT1	1-DH1	2402	-48.317	-21.438	Pass
NVNT	ANT1	1-DH1	2441.00	-48.654	-22.473	Pass
NVNT	ANT1	1-DH1	2480	-47.364	-22.734	Pass
NVNT	ANT1	2-DH1	2402	-49.738	-21.296	Pass
NVNT	ANT1	2-DH1	2441.00	-47.715	-22.336	Pass
NVNT	ANT1	2-DH1	2480	-45.571	-22.563	Pass

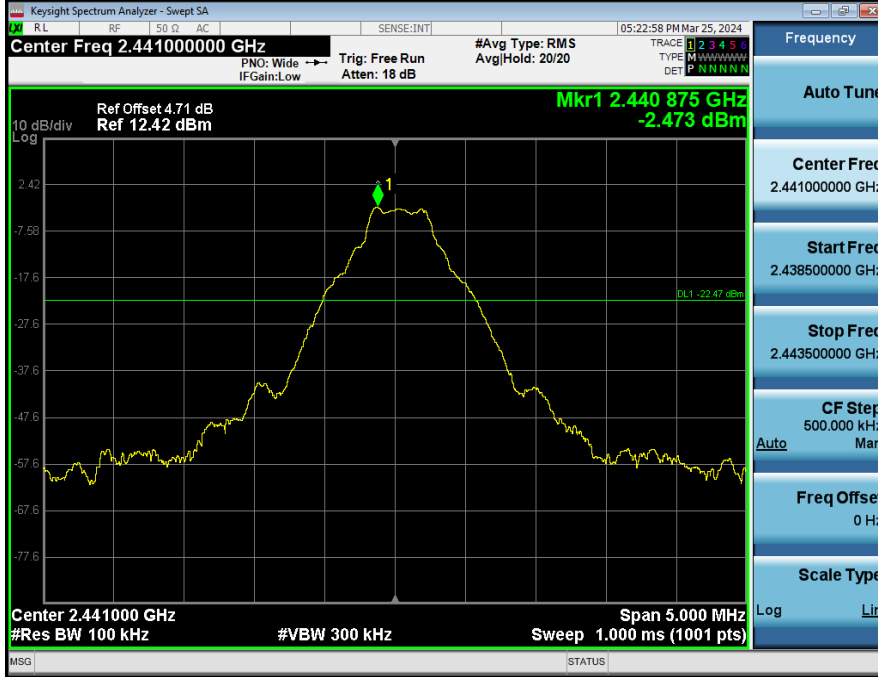
1 Reference Level NVNT ANT1 1-DH1 2402



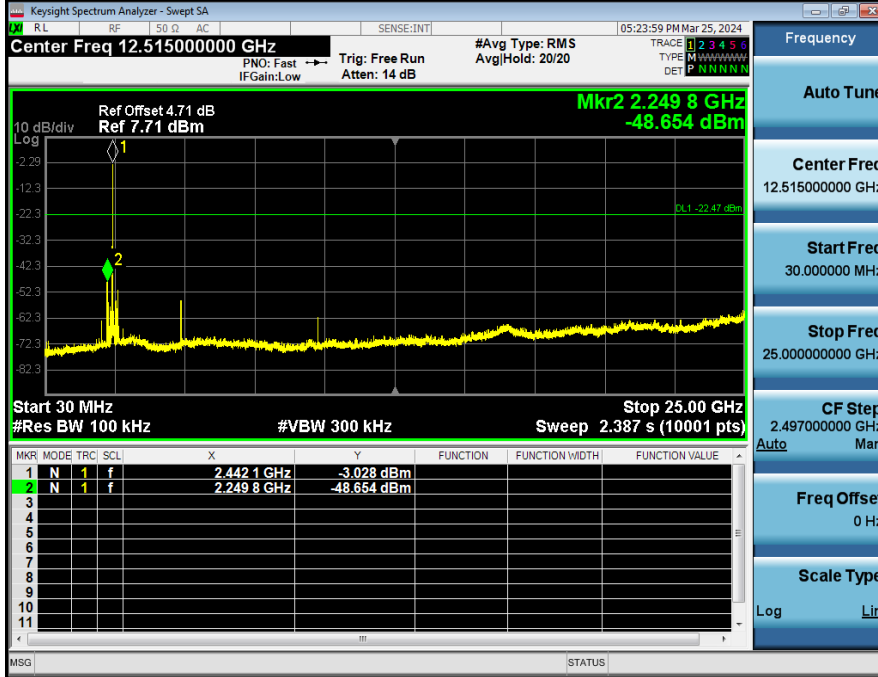
2 Spurious Emissions NVNT ANT1 1-DH1 2402



### 1 Reference Level\_NVNT\_ANT1\_1-DH1\_2441



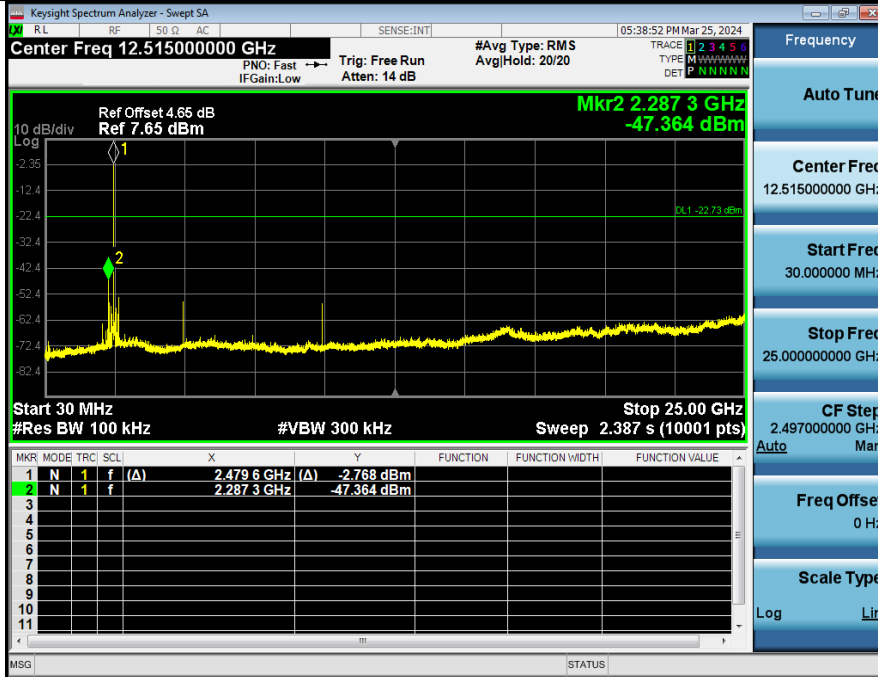
### 2 Spurious Emissions\_NVNT\_ANT1\_1-DH1\_2441



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



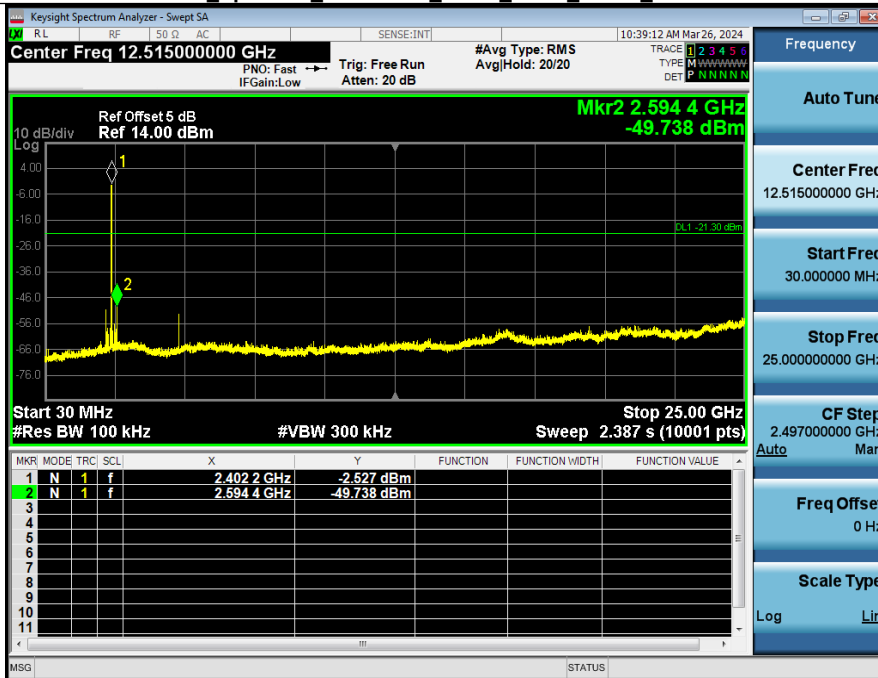
### 2 Spurious Emissions\_NVNT\_ANT1\_1-DH1\_2480



### 1 Reference Level\_NVNT\_ANT1\_2-DH1\_2402



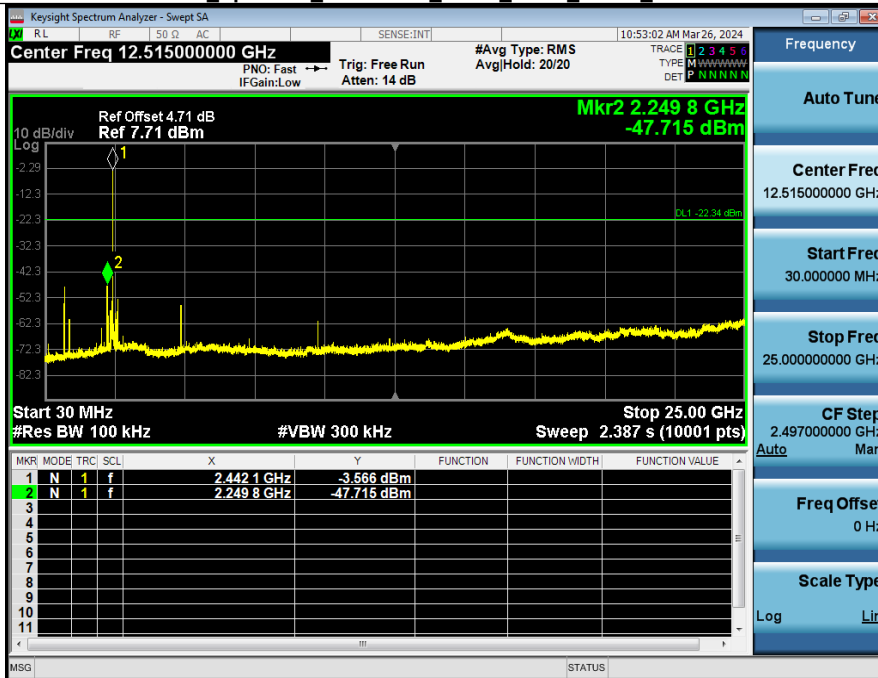
### 2 Spurious Emissions\_NVNT\_ANT1\_2-DH1\_2402



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

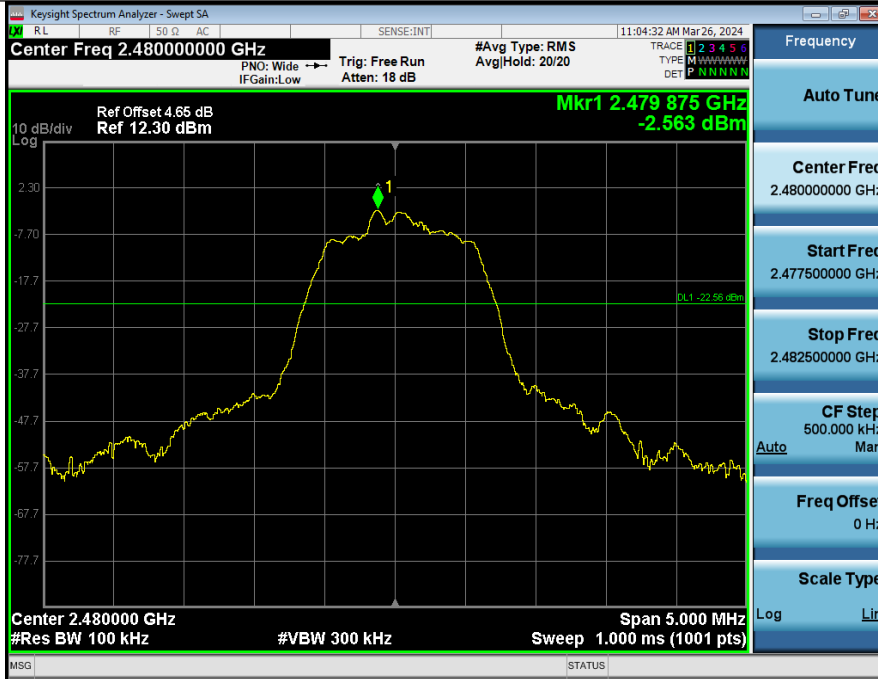


### 2 Spurious Emissions NVNT\_ANT1\_2-DH1\_2441

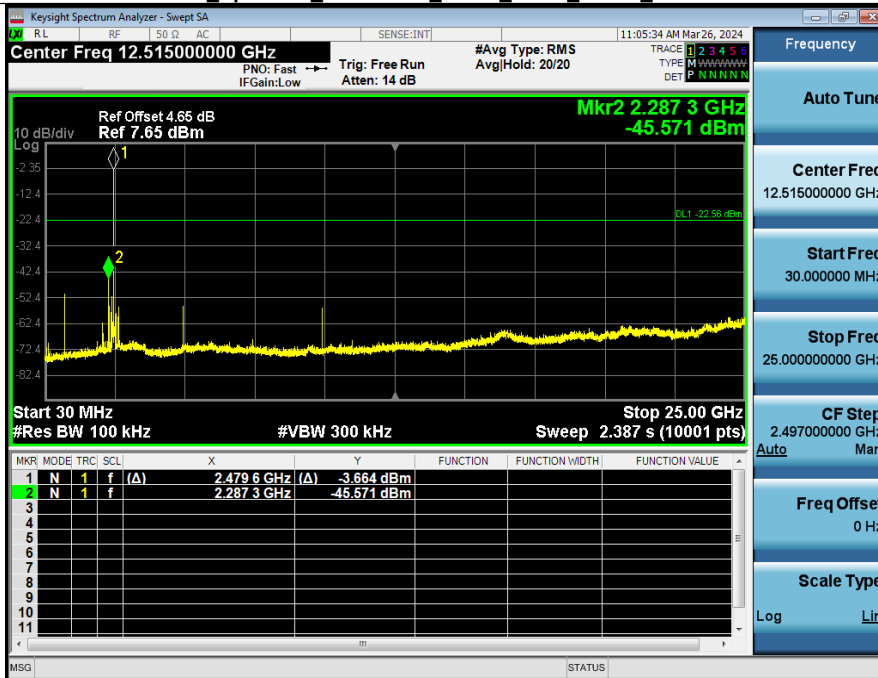




### 1 Reference Level NVNT\_ANT1\_2-DH1\_2480

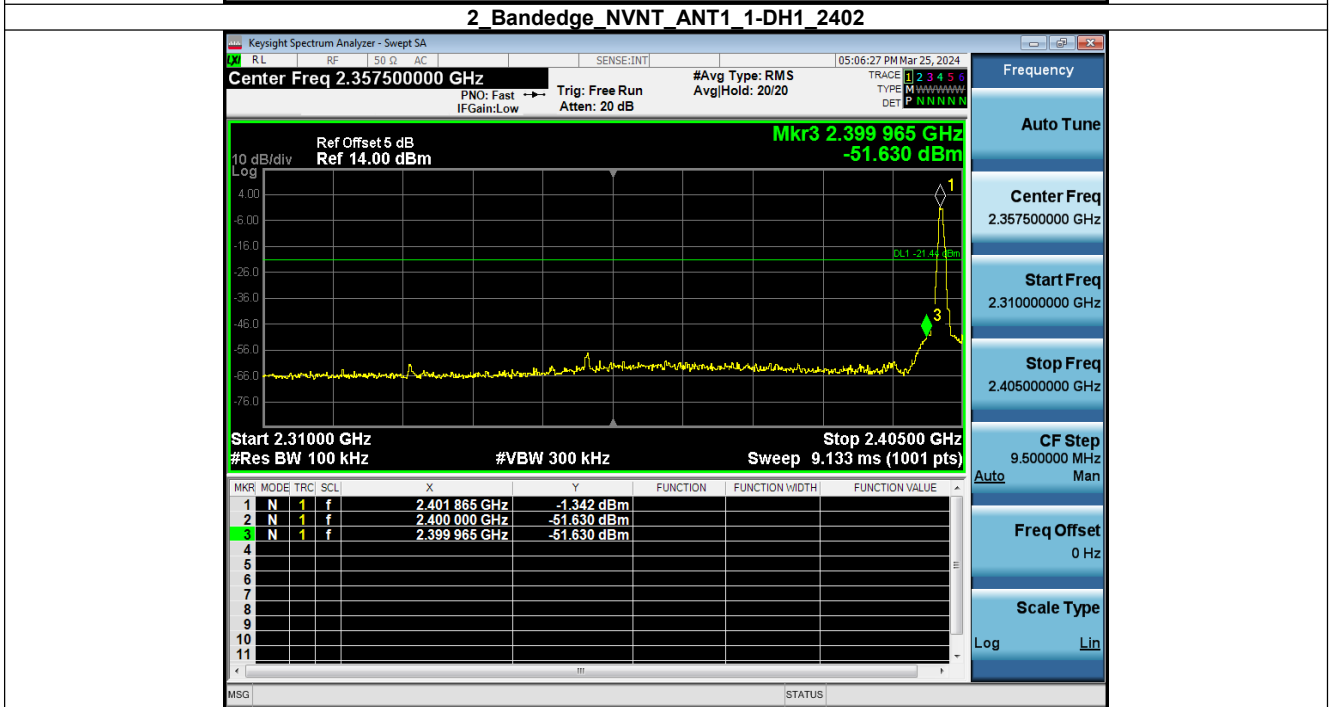
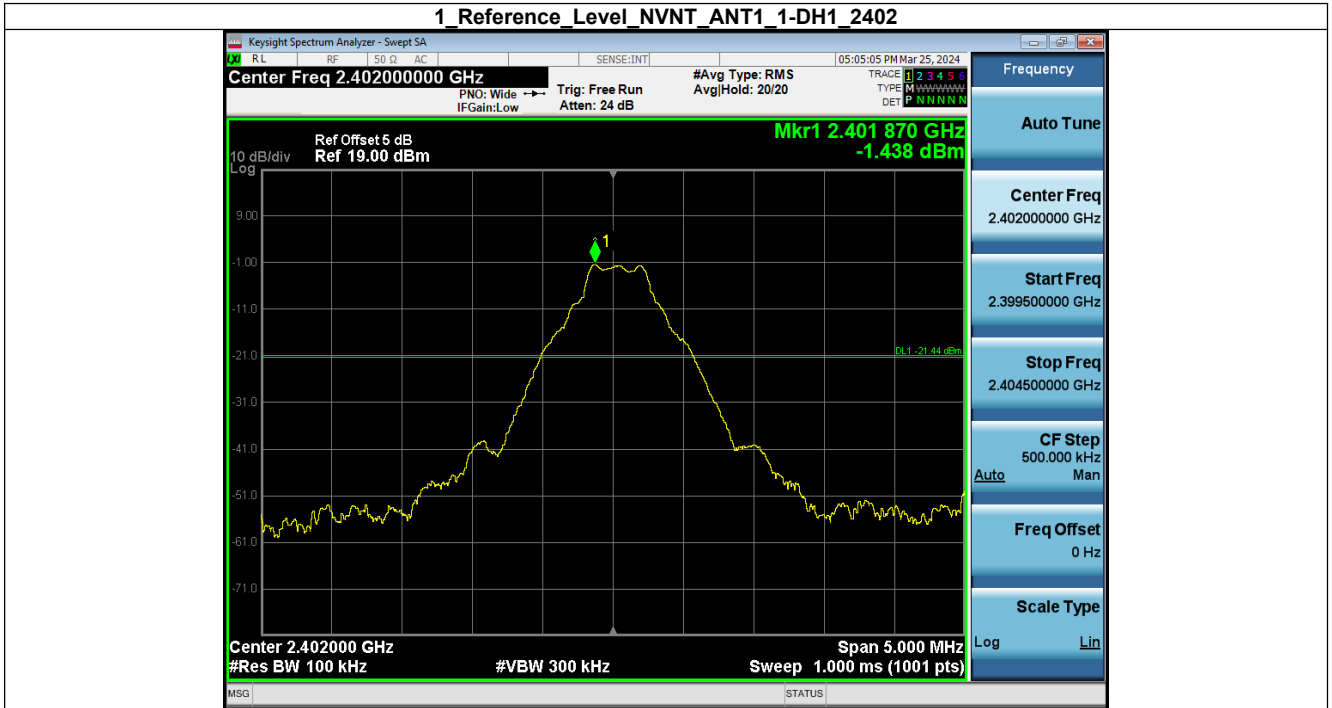


### 2 Spurious Emissions NVNT\_ANT1\_2-DH1\_2480

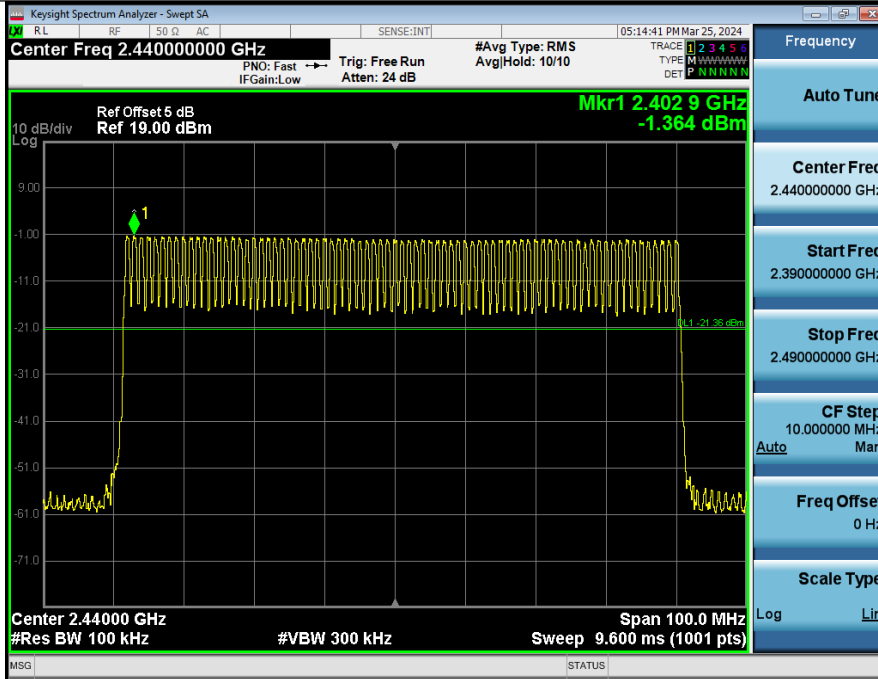


## 5. Bandedge

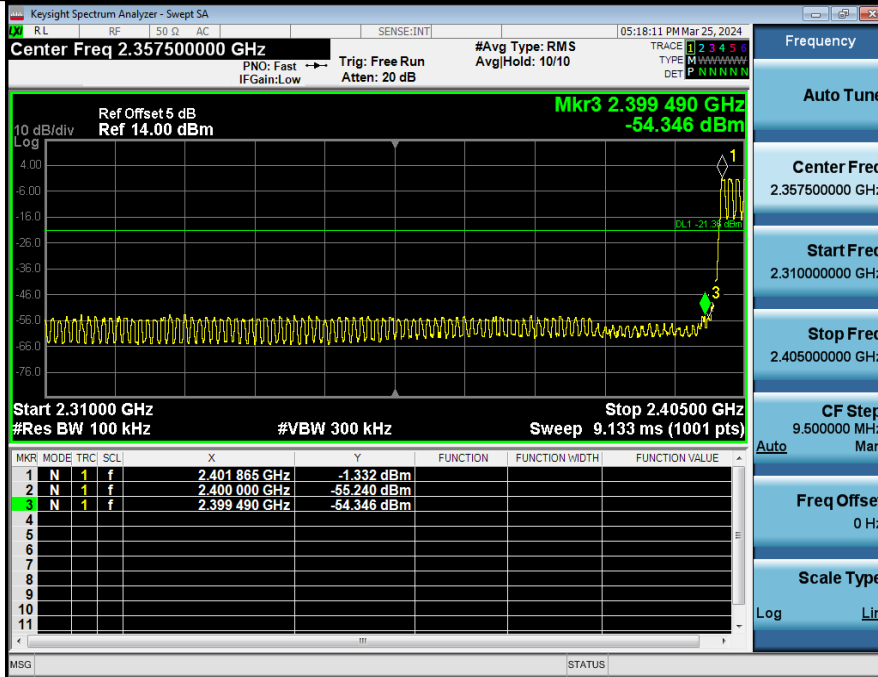
Condition	Antenna	Modulation	TX Mode	Bandedge MAX.Value	Limit	Result
NVNT	ANT1	1-DH1	2402	-51.630	-21.438	Pass
NVNT	ANT1	1-DH1	Hopping_LCH	-54.346	-21.364	Pass
NVNT	ANT1	1-DH1	2480	-64.247	-22.734	Pass
NVNT	ANT1	1-DH1	Hopping_HCH	-54.670	-21.703	Pass
NVNT	ANT1	2-DH1	2402	-51.341	-21.296	Pass
NVNT	ANT1	2-DH1	Hopping_LCH	-51.956	-21.320	Pass
NVNT	ANT1	2-DH1	2480	-64.672	-22.563	Pass
NVNT	ANT1	2-DH1	Hopping_HCH	-53.558	-21.658	Pass



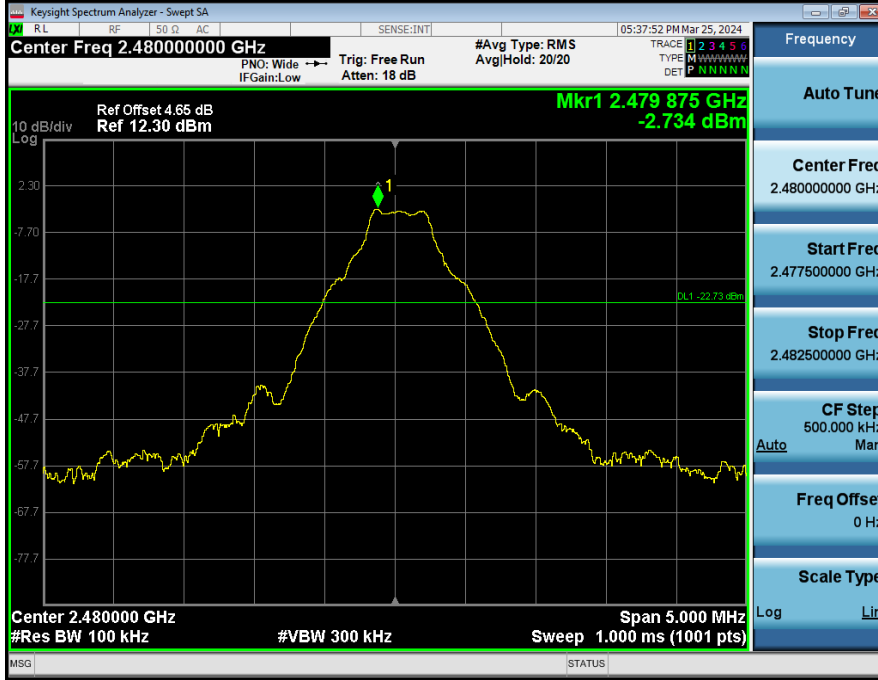
### 1 Reference Level Hopping NVNT\_ANT1\_1-DH1\_Hopping



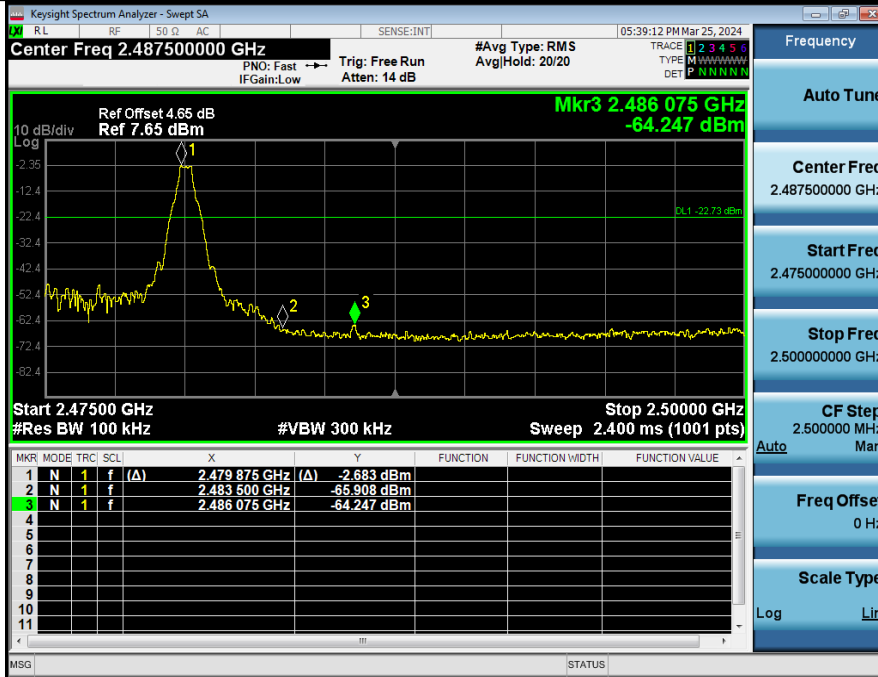
### 2 Band Edge (Hopping) NVNT\_ANT1\_1-DH1\_Hopping



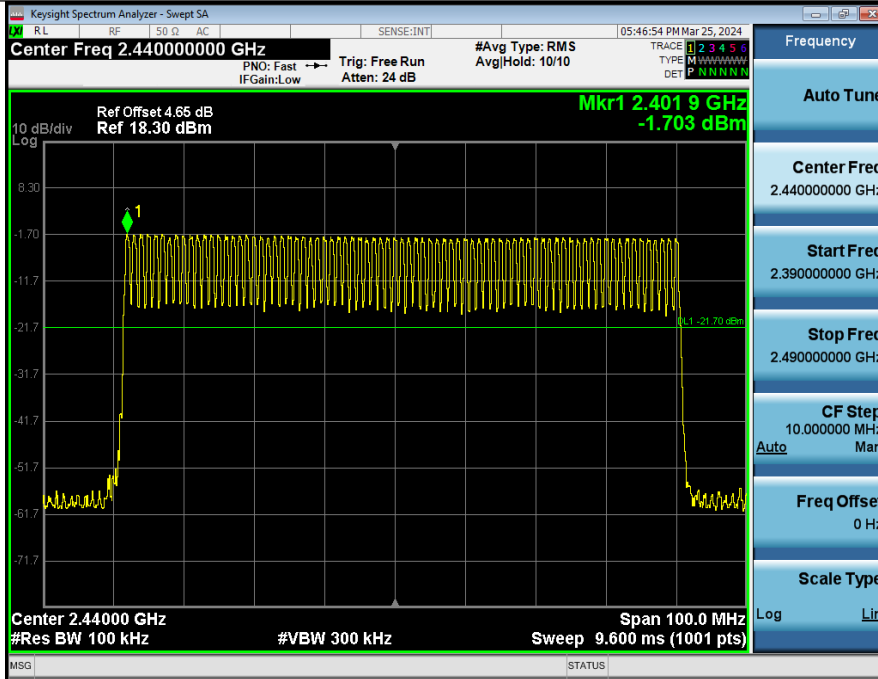
### 1 Reference Level NVNT\_ANT1\_1-DH1\_2480



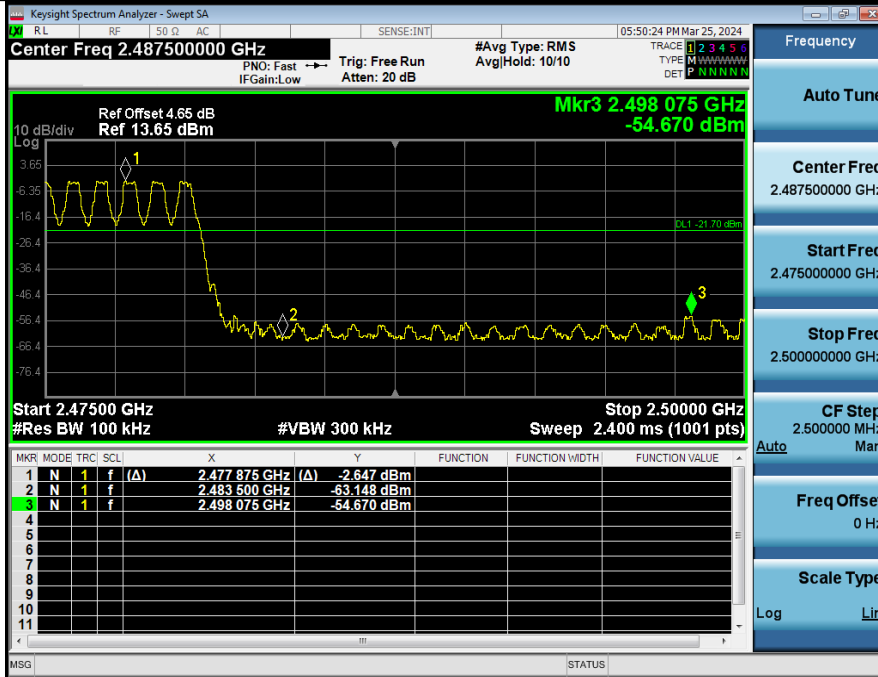
### 2 Bandedge NVNT\_ANT1\_1-DH1\_2480



### 1 Reference Level Hopping NVNT\_ANT1\_1-DH1\_Hopping



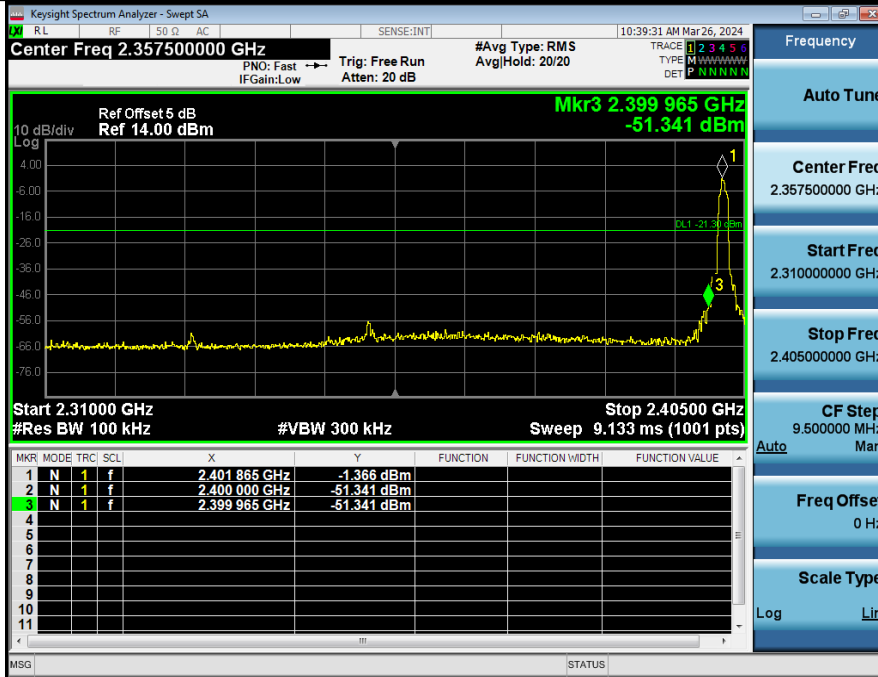
### 2 Band Edge (Hopping) NVNT\_ANT1\_1-DH1\_Hopping



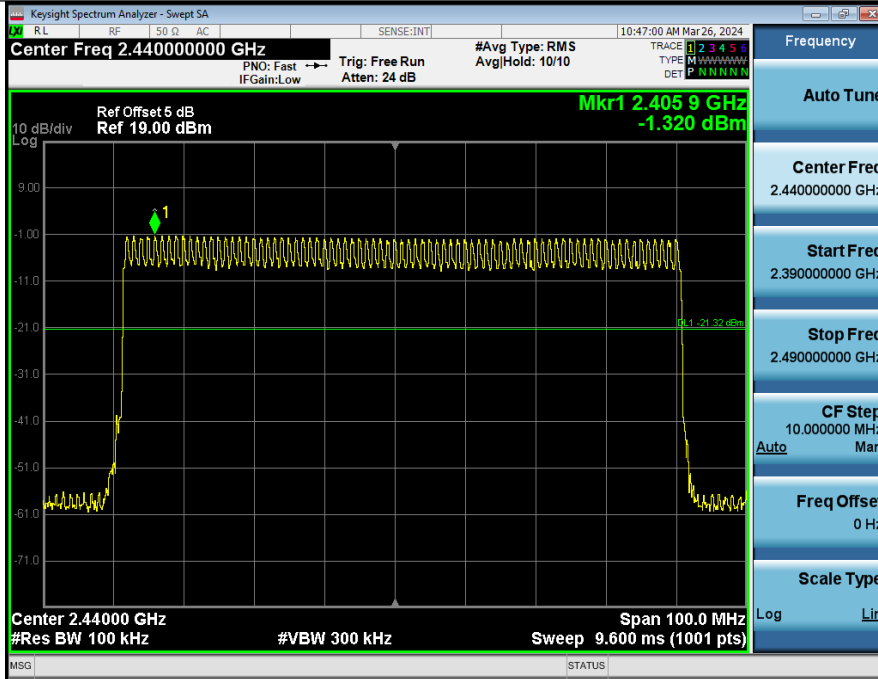
### 1 Reference Level NVNT\_ANT1\_2-DH1\_2402



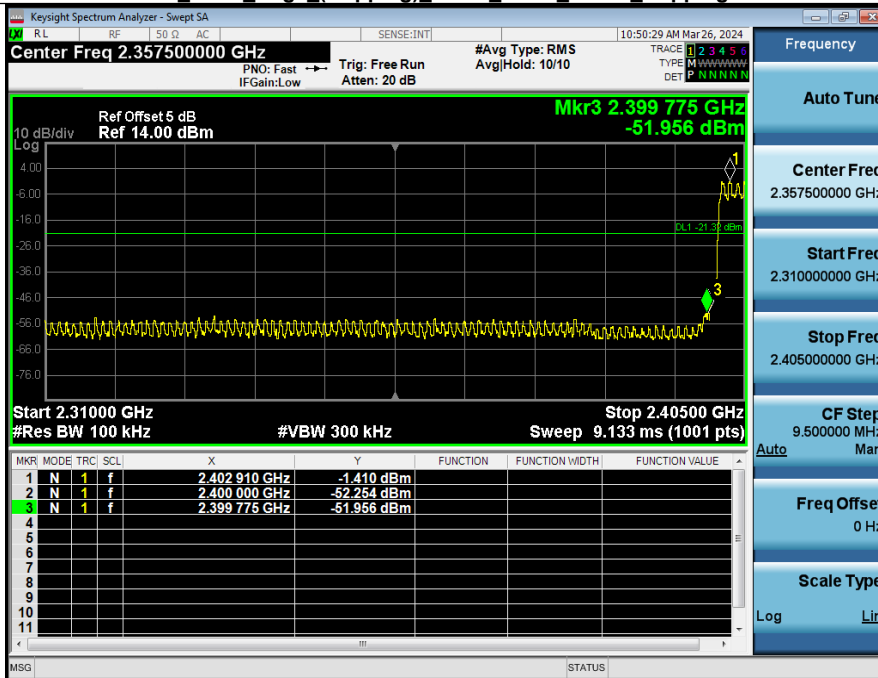
### 2 Bandedge NVNT\_ANT1\_2-DH1\_2402



### 1 Reference Level Hopping NVNT ANT1 2-DH1 Hopping



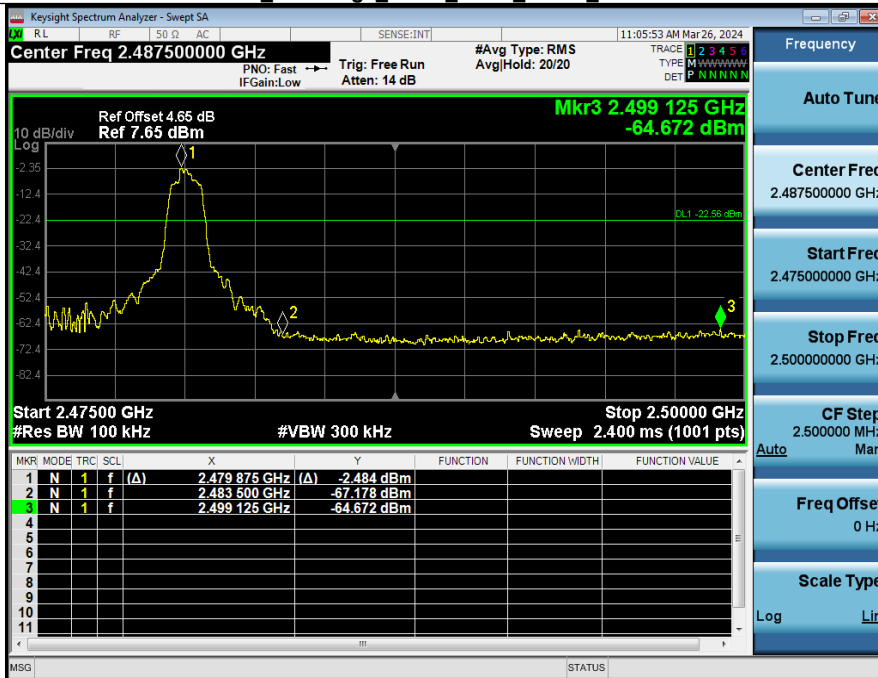
### 2 Band Edge (Hopping) NVNT ANT1 2-DH1 Hopping



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

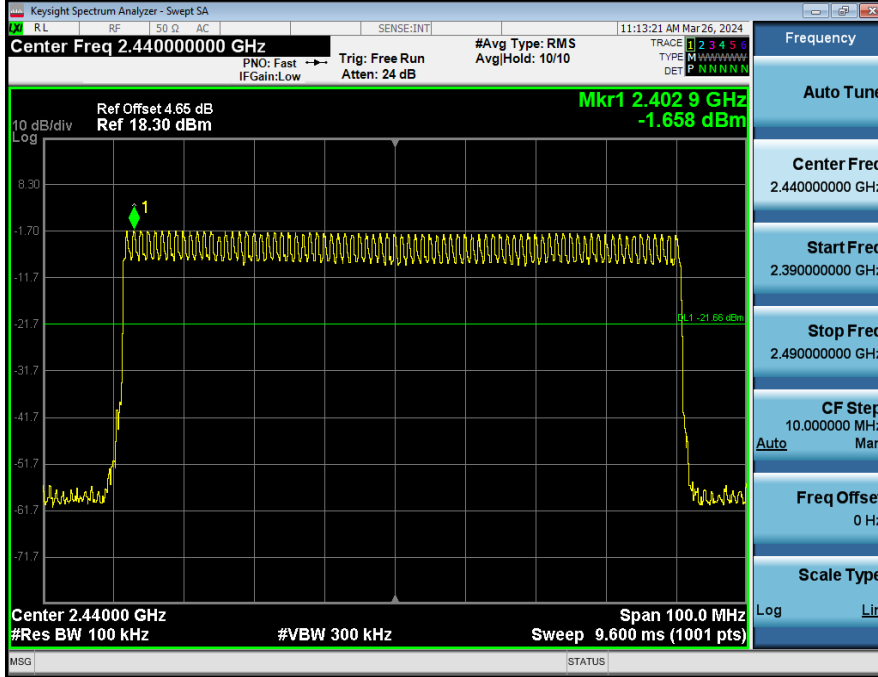


### 2 Bandedge NVNT\_ANT1\_2-DH1\_2480

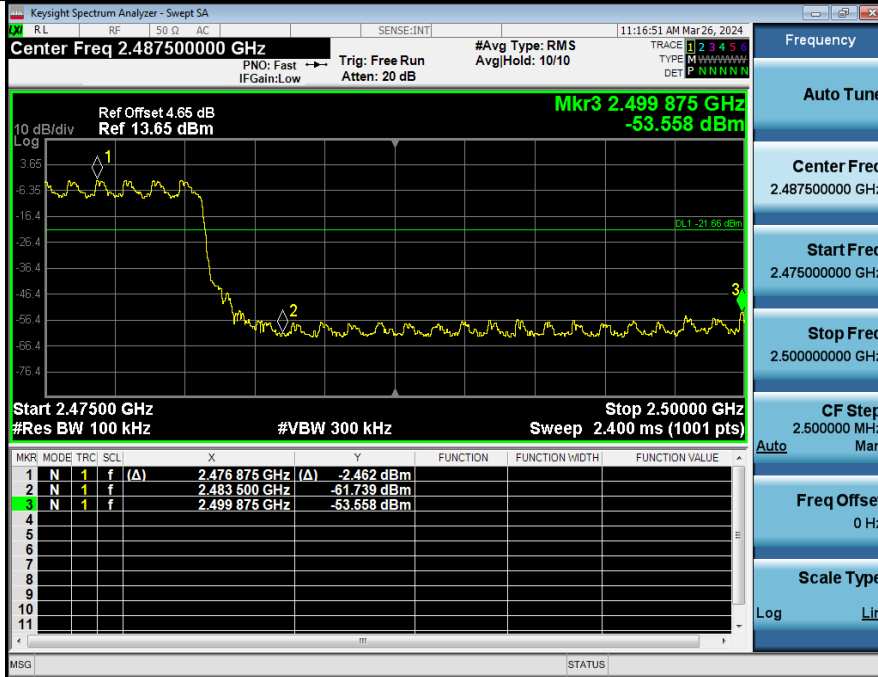




### 1 Reference Level Hopping NVNT ANT1 2-DH1 Hopping

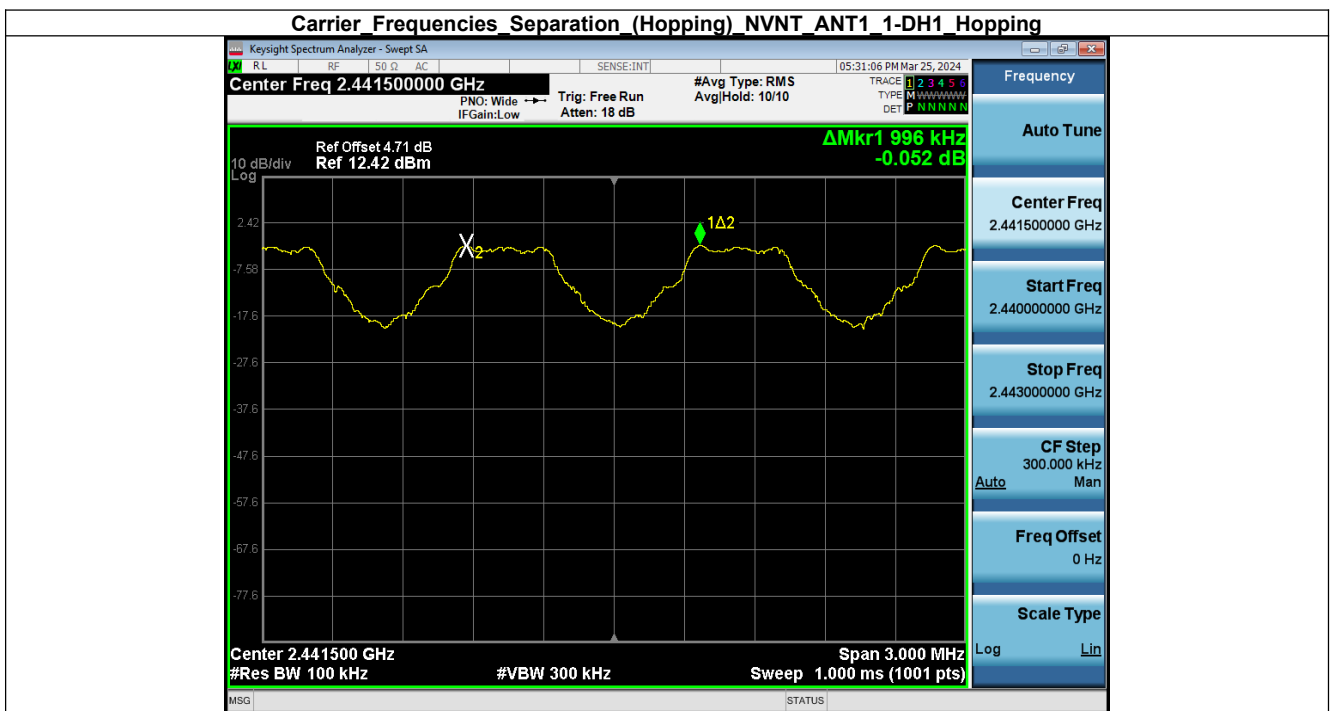
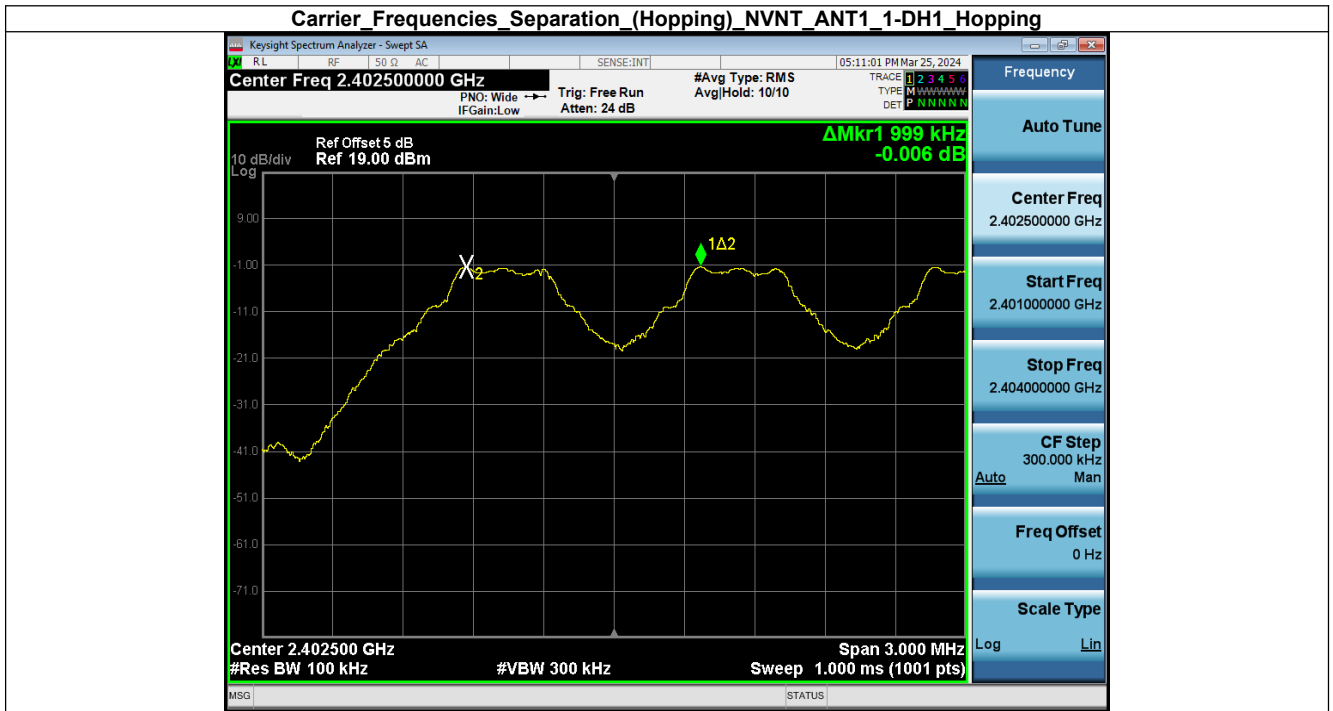


### 2 Band Edge (Hopping) NVNT ANT1 2-DH1 Hopping

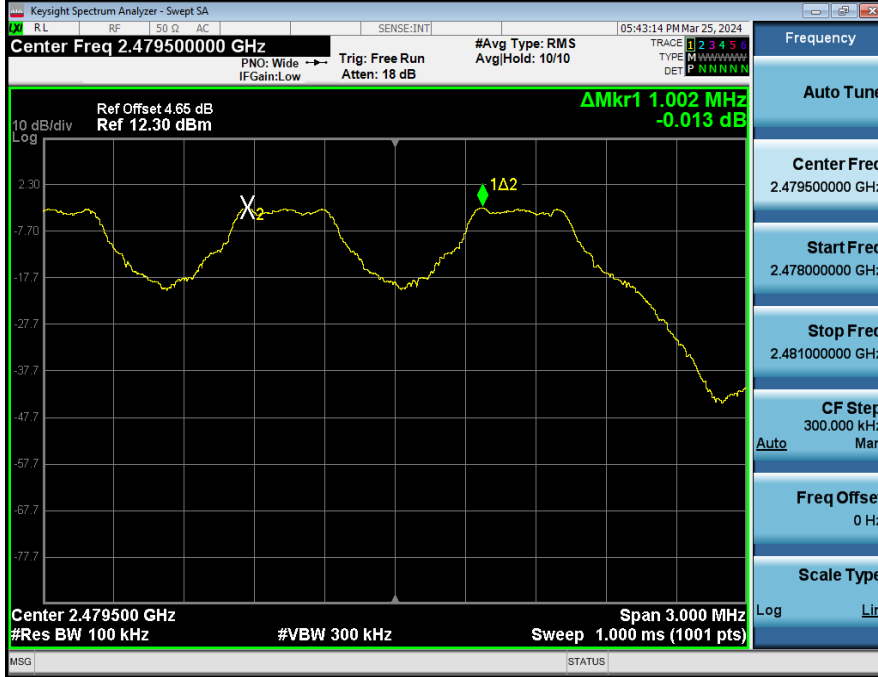


## 6. Carrier Frequencies Separation (Hopping)

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	2401.870	2402.869	1.00	0.879	Pass
NVNT	ANT1	1-DH1	2441.00	2440.870	2441.866	1.00	0.977	Pass
NVNT	ANT1	1-DH1	2480	2478.870	2479.872	1.00	0.928	Pass
NVNT	ANT1	2-DH1	2402	2401.870	2402.872	1.00	0.849	Pass
NVNT	ANT1	2-DH1	2441.00	2440.873	2441.872	1.00	0.852	Pass
NVNT	ANT1	2-DH1	2480	2478.870	2479.872	1.00	0.848	Pass



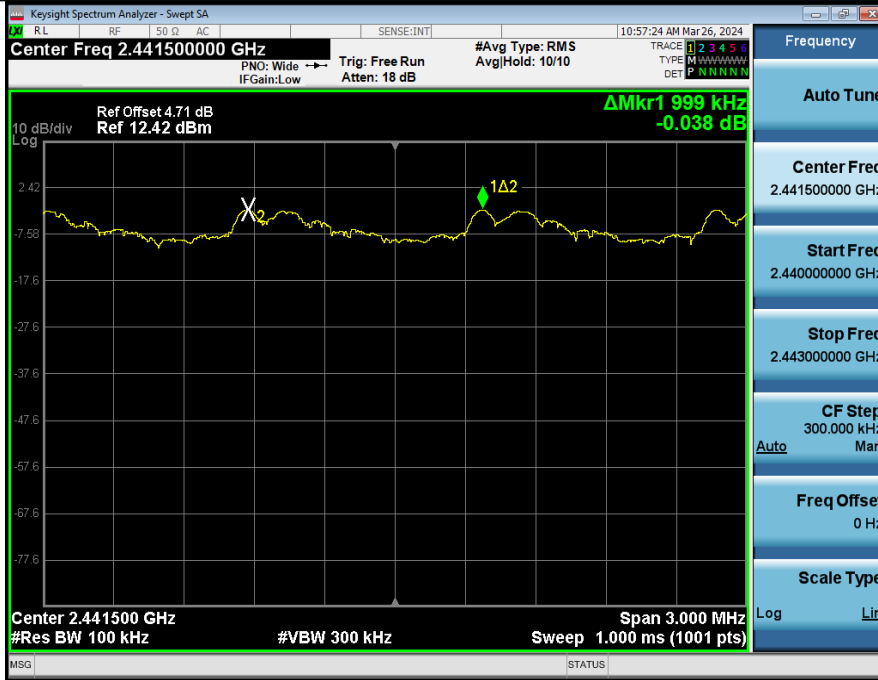
### Carrier Frequencies Separation (Hopping) NVNT\_ANT1 1-DH1 Hopping



### Carrier Frequencies Separation (Hopping) NVNT ANT1 2-DH1 Hopping



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

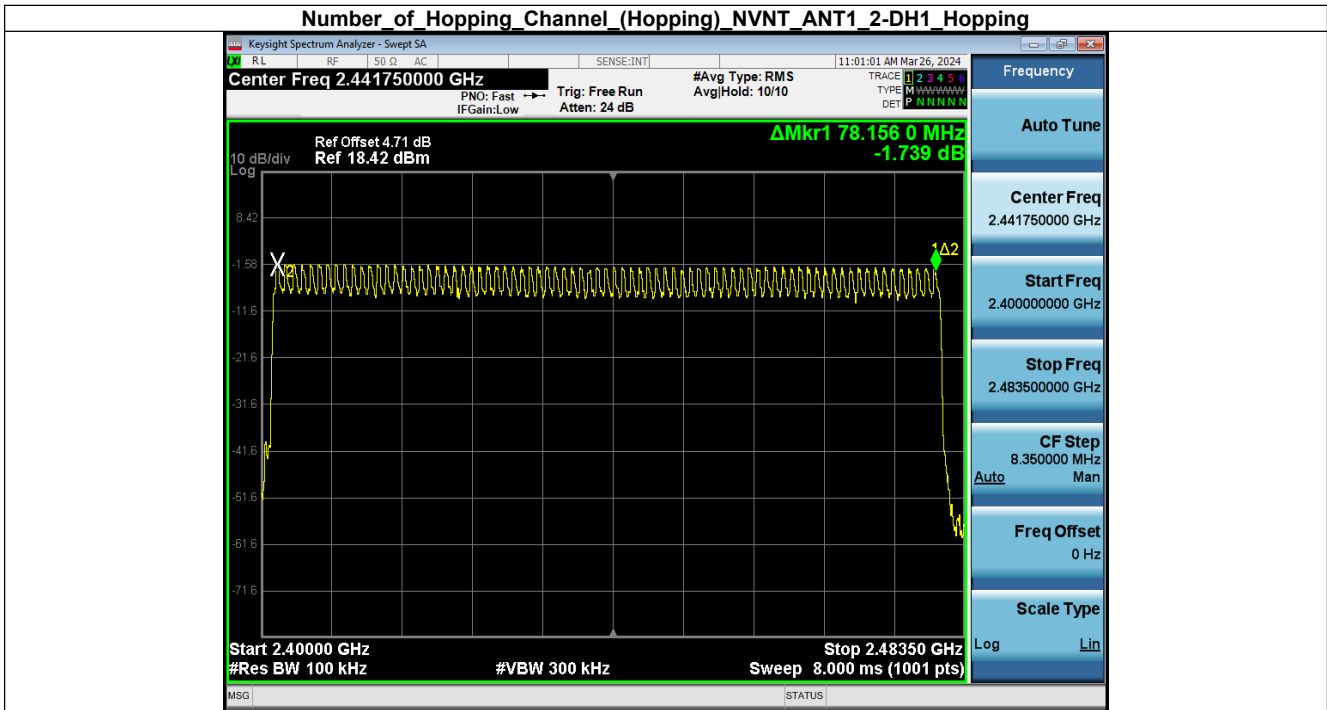
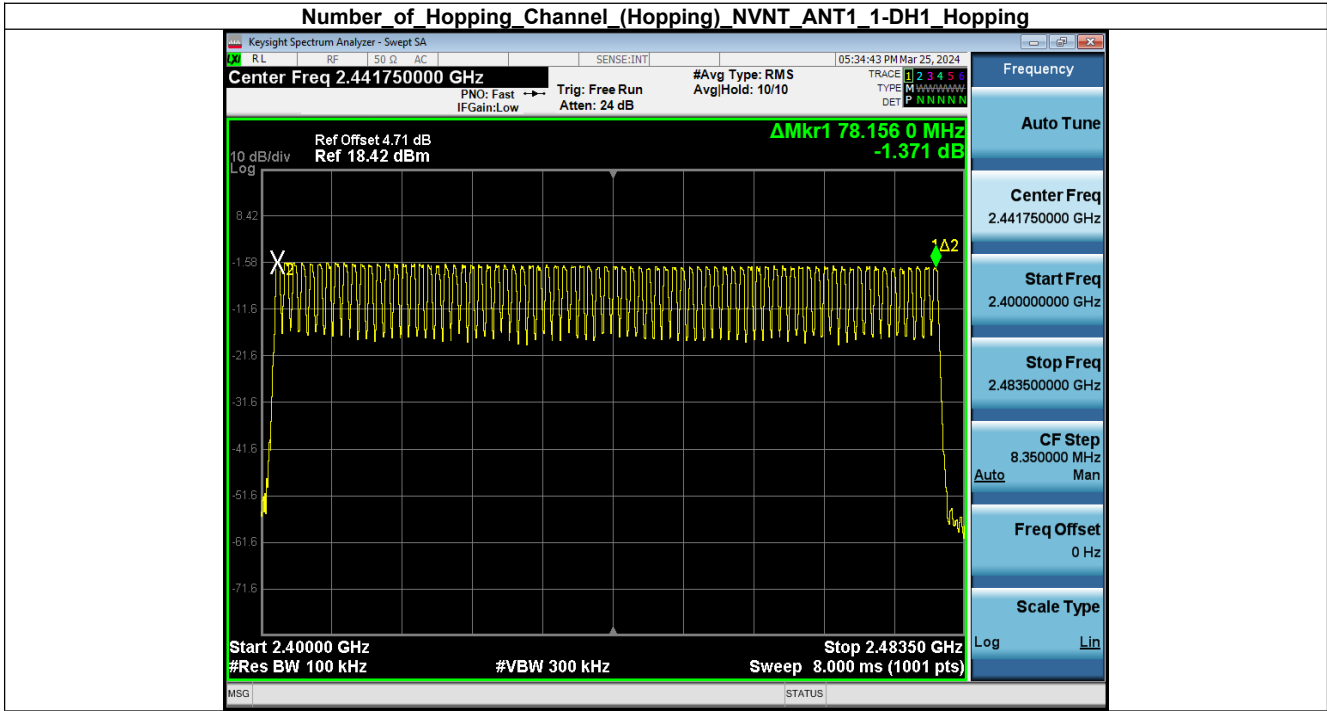


### Carrier Frequencies Separation (Hopping) NVNT ANT1 2-DH1 Hopping



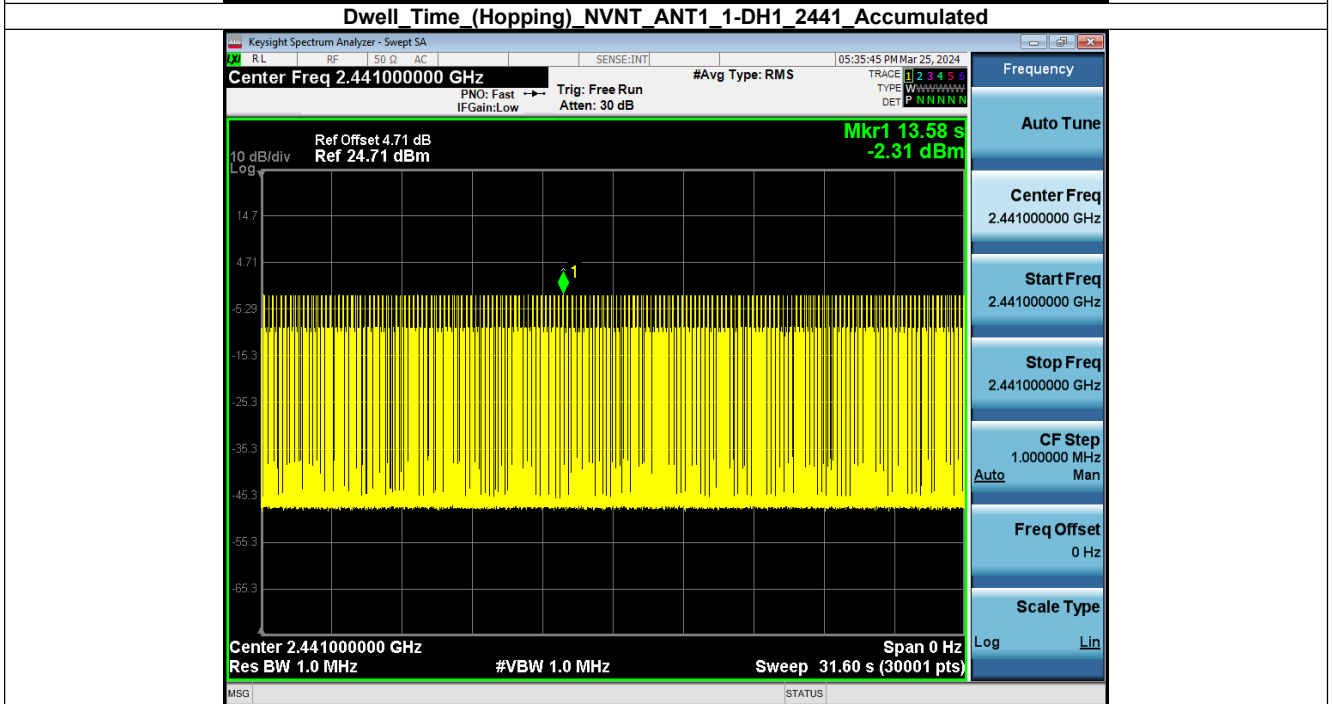
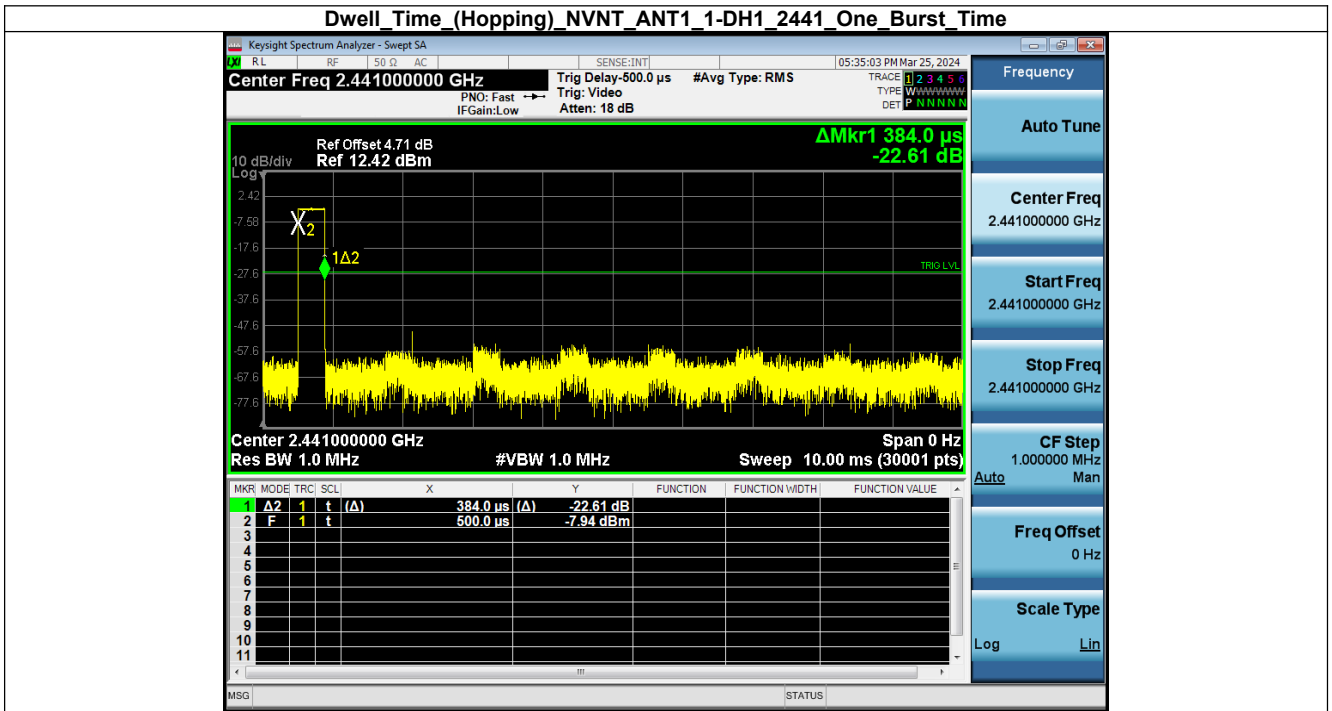
# 7. Number of Hopping Channel (Hopping)

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

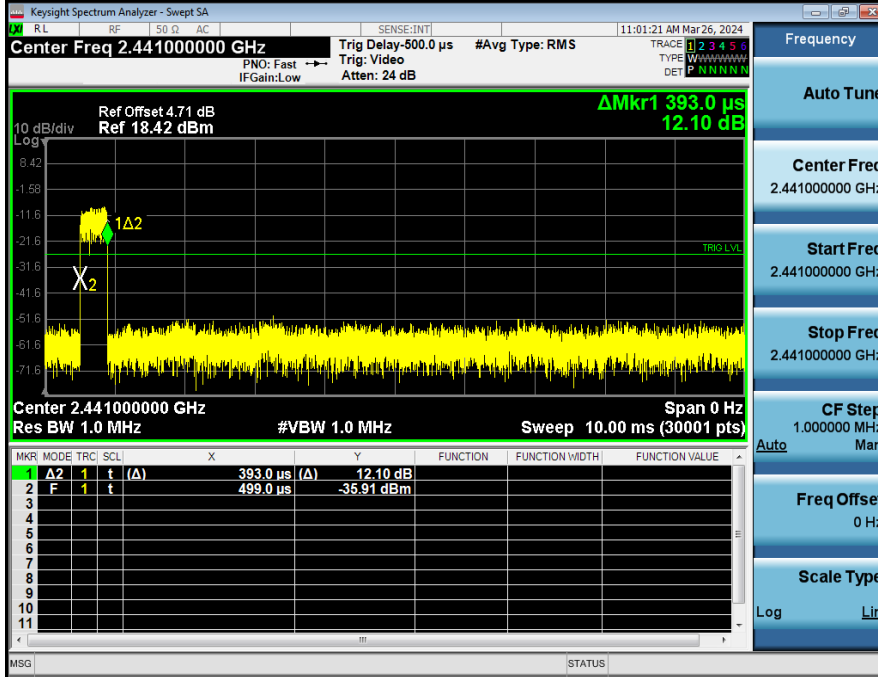


## 8. Dwell Time (Hopping)

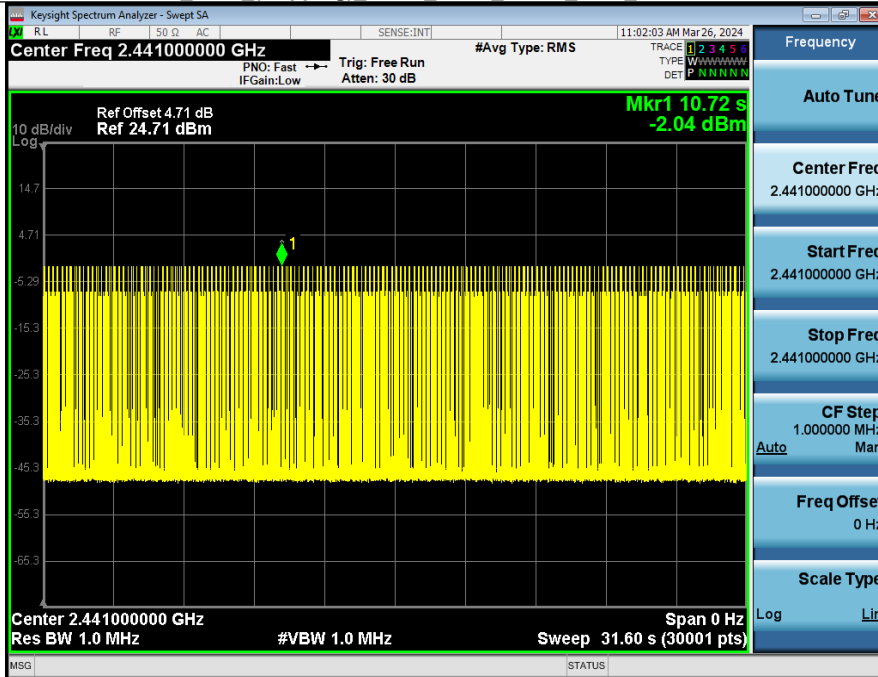
Condition	Antenna	Packet Type	Pulse Time(ms)	Hops	Dwell Time(ms)	Limit(s)	Result
NVNT	ANT1	1-DH1	0.384	320.00	122.880	0.40	Pass
NVNT	ANT1	2-DH1	0.393	317.00	124.581	0.40	Pass
NVNT	ANT1	1-DH3	1.640	159.00	260.760	0.40	Pass
NVNT	ANT1	1-DH5	2.889	91.00	262.899	0.40	Pass
NVNT	ANT1	2-DH3	1.645	167.00	274.715	0.40	Pass
NVNT	ANT1	2-DH5	2.893	107.00	309.551	0.40	Pass



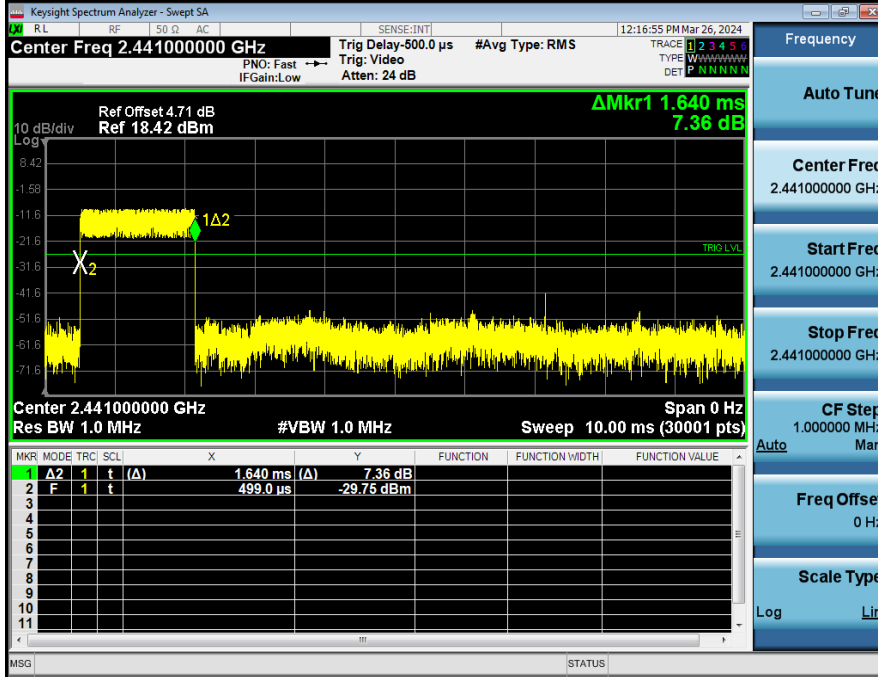
Dwell Time (Hopping) NVNT\_ANT1\_2-DH1\_2441\_One Burst Time



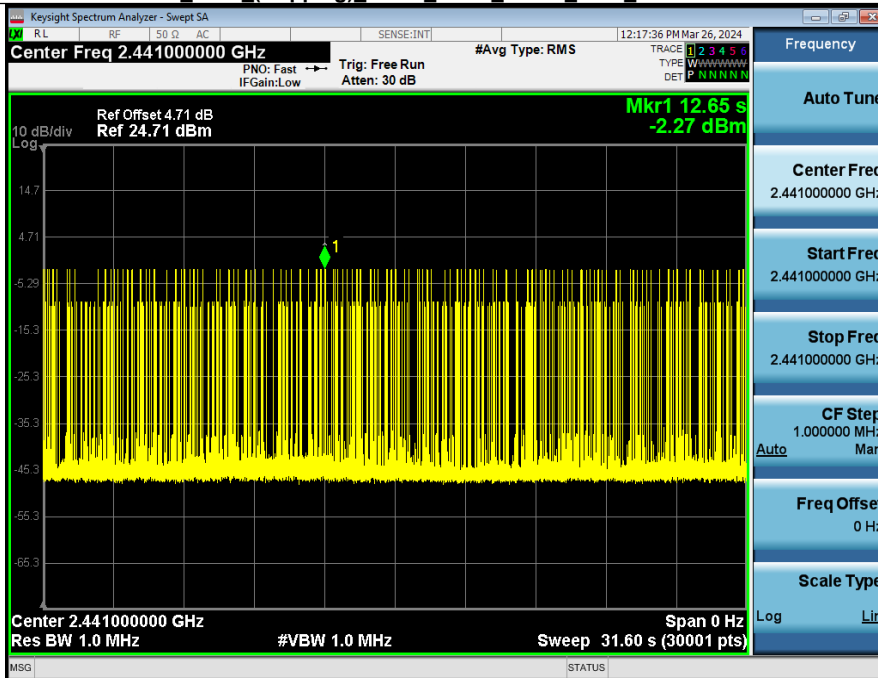
Dwell Time (Hopping) NVNT\_ANT1\_2-DH1\_2441\_Accumulated



Dwell Time (Hopping) NVNT\_ANT1\_1-DH3\_2441\_One Burst Time

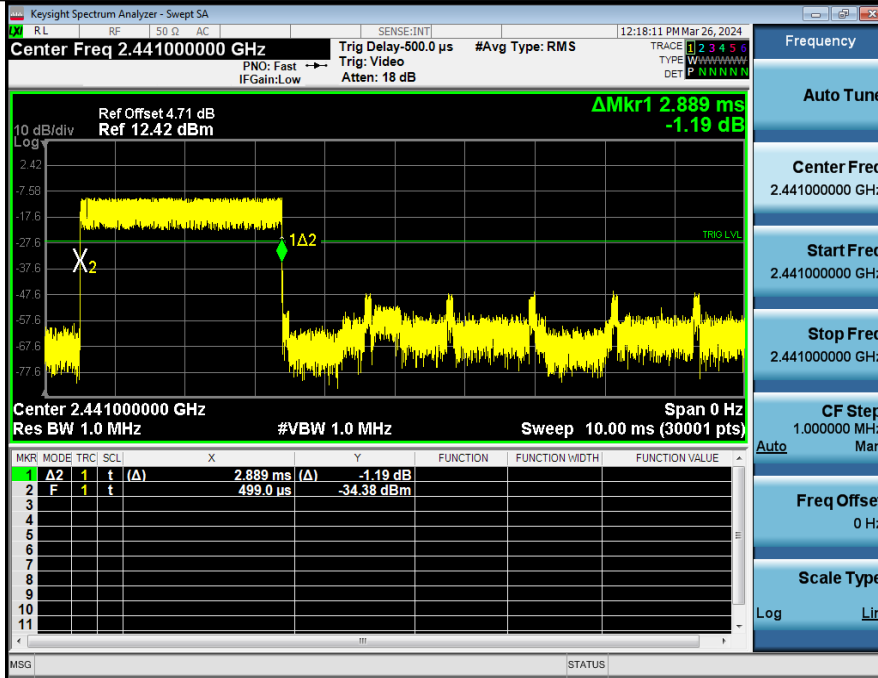


Dwell Time (Hopping) NVNT\_ANT1\_1-DH3\_2441\_Accumulated

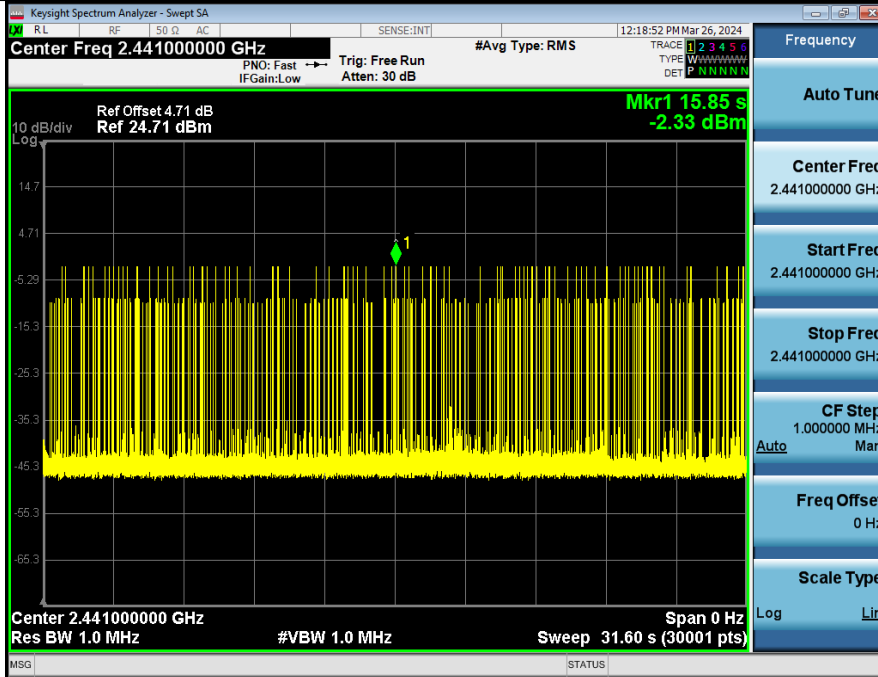




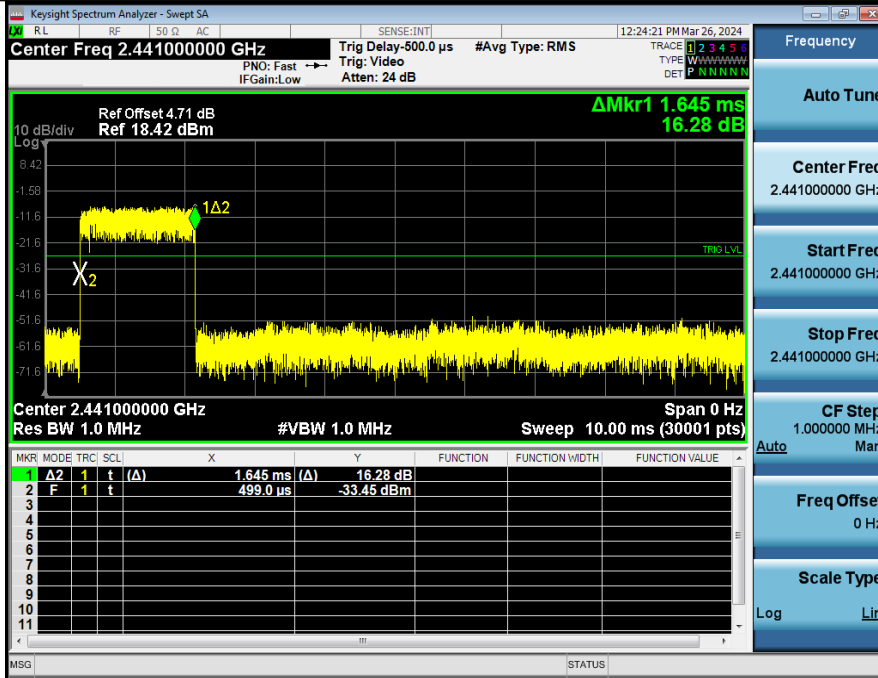
Dwell Time (Hopping) NVNT\_ANT1\_1-DH5\_2441\_One Burst Time



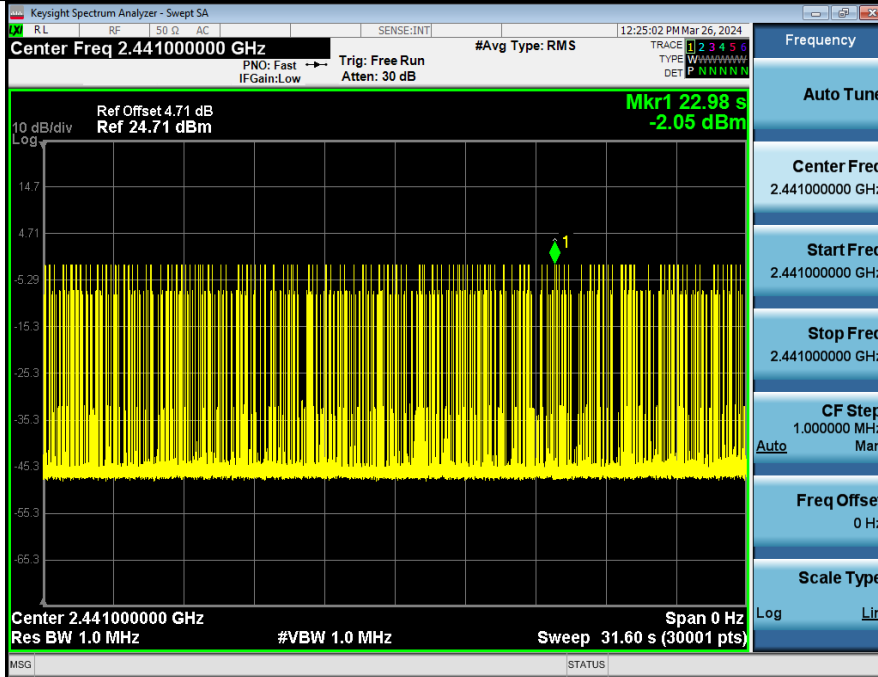
Dwell Time (Hopping) NVNT\_ANT1\_1-DH5\_2441\_Accumulated



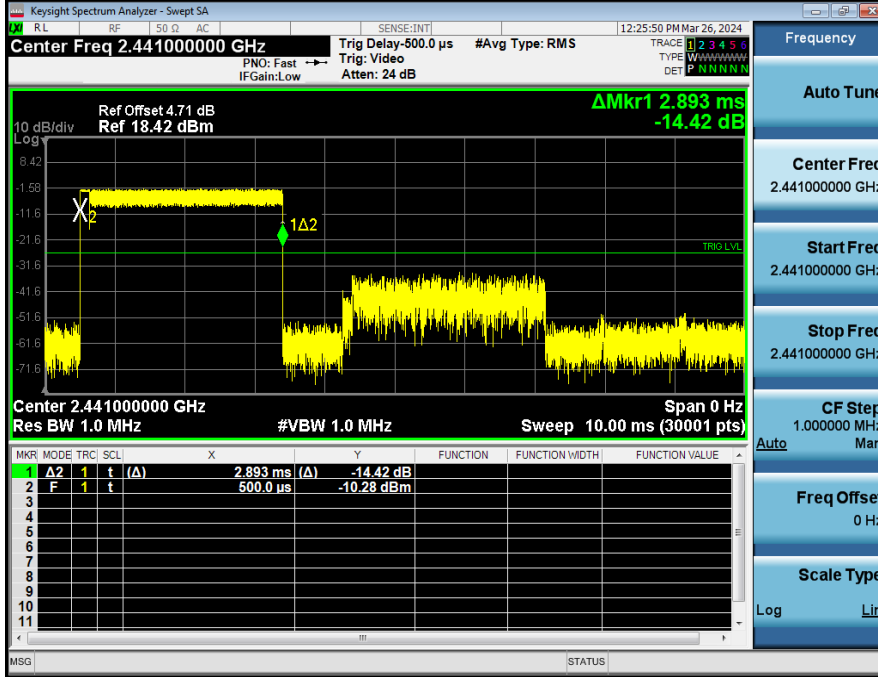
Dwell Time (Hopping) NVNT\_ANT1\_2-DH3\_2441\_One Burst Time



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



Dwell Time (Hopping) NVNT\_ANT1\_2-DH5\_2441\_One Burst Time



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

