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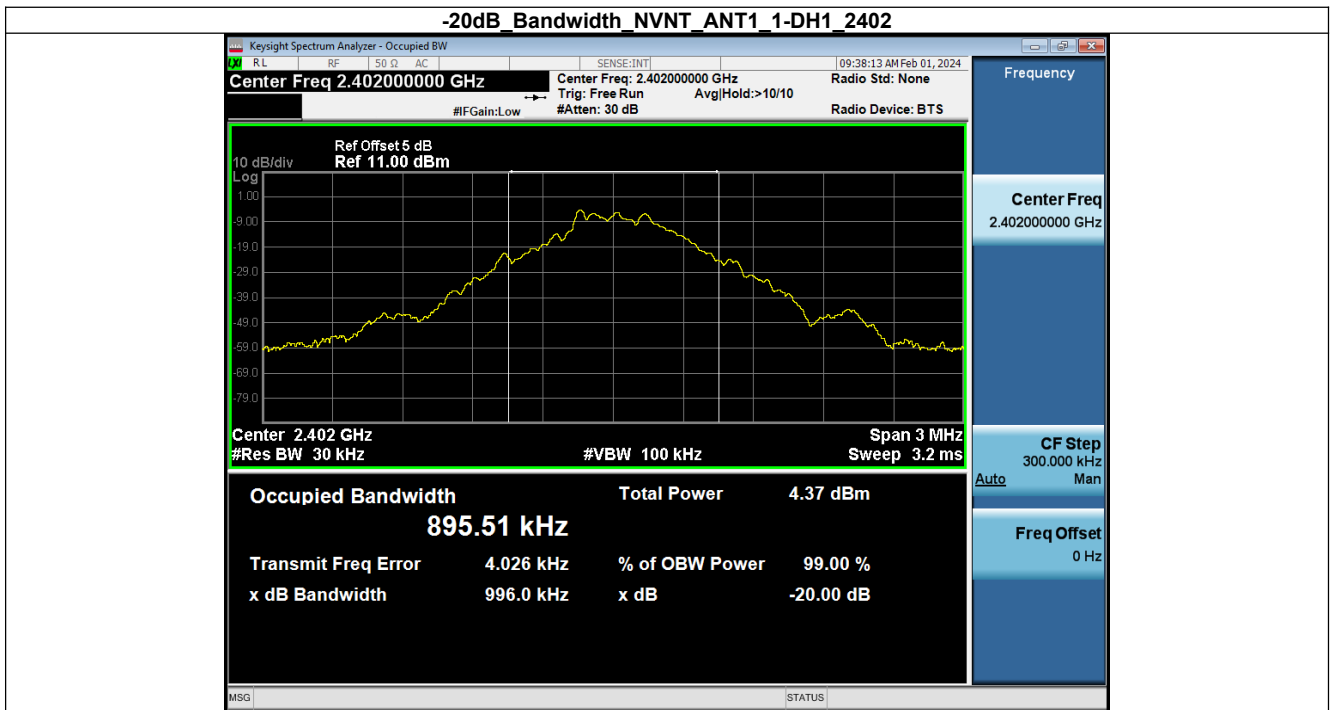
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FCC ID EDR

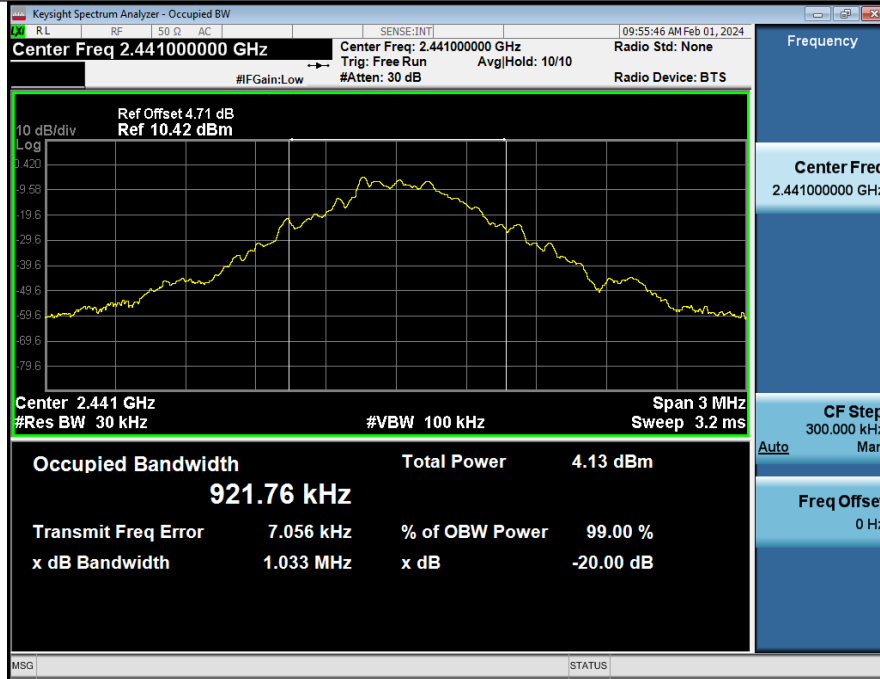
FCC_BT (Part15.247) Test Data

1. -20dB Bandwidth

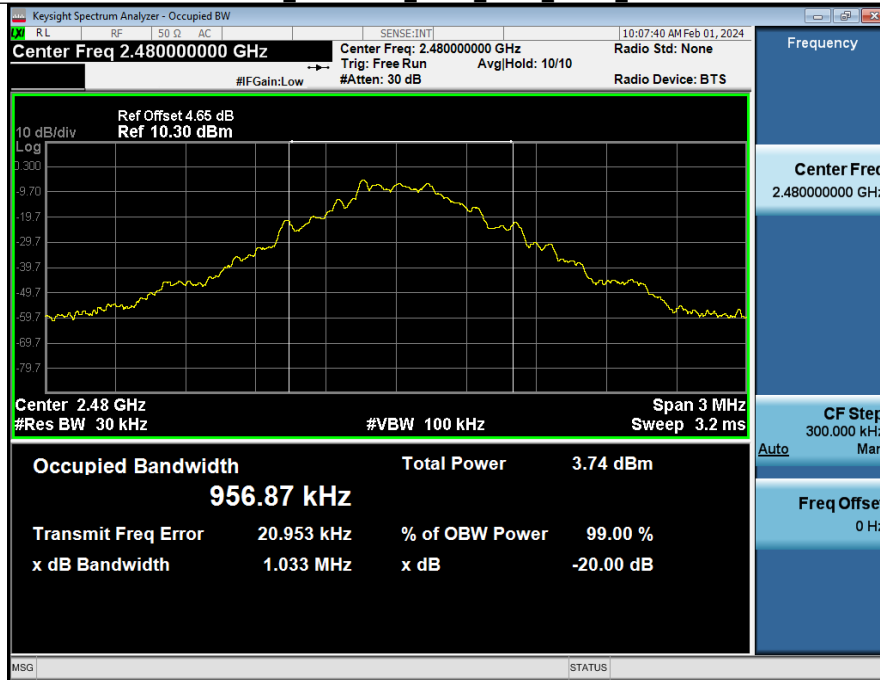
Condition	Antenna	Modulation	Frequency (MHz)	-20dB BW(MHz)	if larger than CFS
NVNT	ANT1	1-DH1	2402.00	0.996	No
NVNT	ANT1	1-DH1	2441.00	1.033	Yes
NVNT	ANT1	1-DH1	2480.00	1.033	Yes
NVNT	ANT1	2-DH1	2402.00	1.293	Yes
NVNT	ANT1	2-DH1	2441.00	1.291	Yes
NVNT	ANT1	2-DH1	2480.00	1.285	Yes
NVNT	ANT1	3-DH1	2402.00	1.257	Yes
NVNT	ANT1	3-DH1	2441.00	1.254	Yes
NVNT	ANT1	3-DH1	2480.00	1.265	Yes



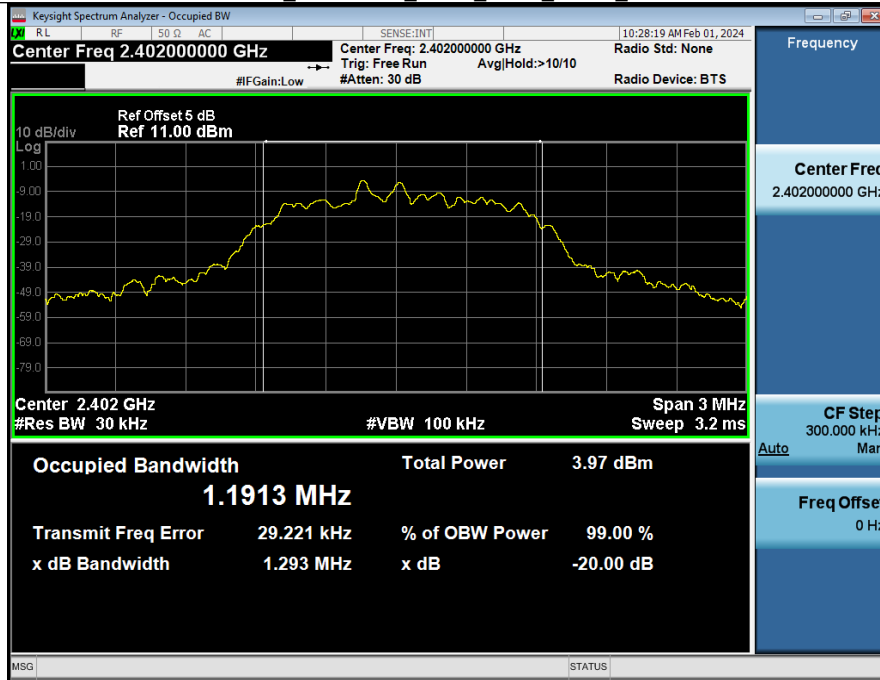
-20dB Bandwidth_NVNT_ANT1_1-DH1_2441



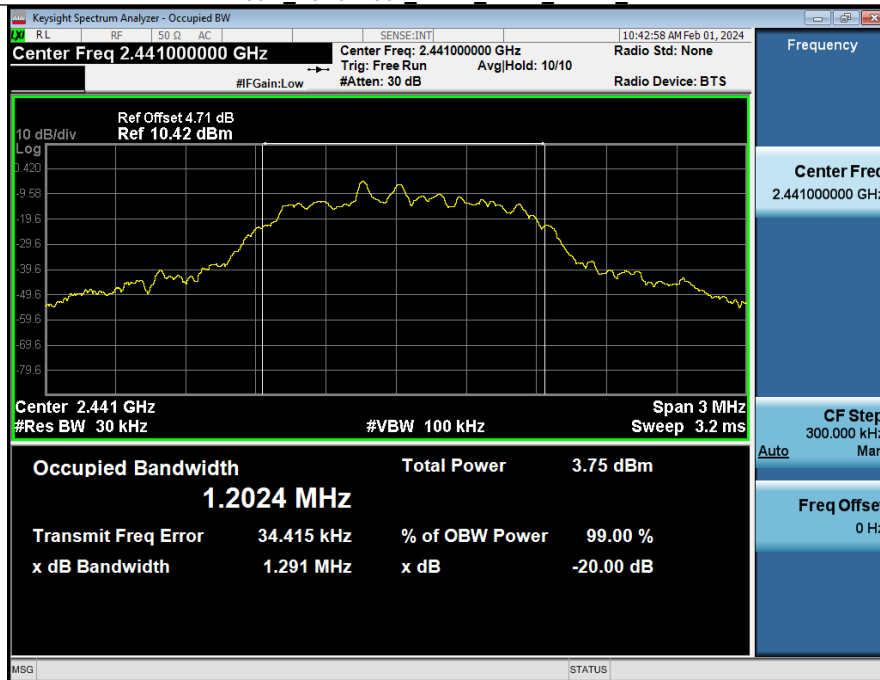
-20dB Bandwidth_NVNT_ANT1_1-DH1_2480



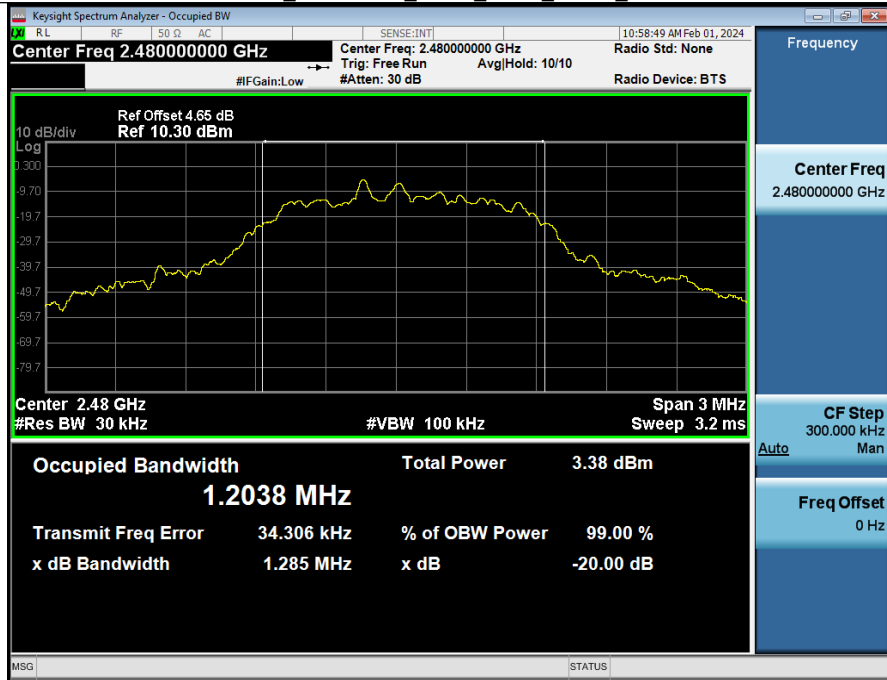
-20dB Bandwidth_NVNT_ANT1 2-DH1_2402



-20dB Bandwidth_NVNT_ANT1 2-DH1_2441



-20dB Bandwidth_NVNT_ANT1 2-DH1_2480



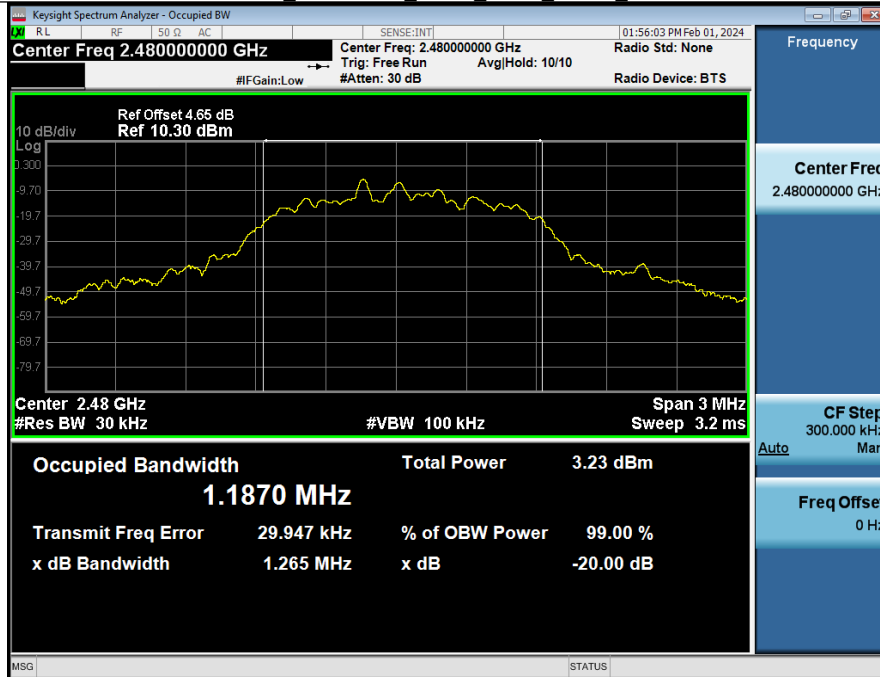
-20dB Bandwidth_NVNT_ANT1 3-DH1_2402



-20dB Bandwidth_NVNT_ANT1_3-DH1_2441

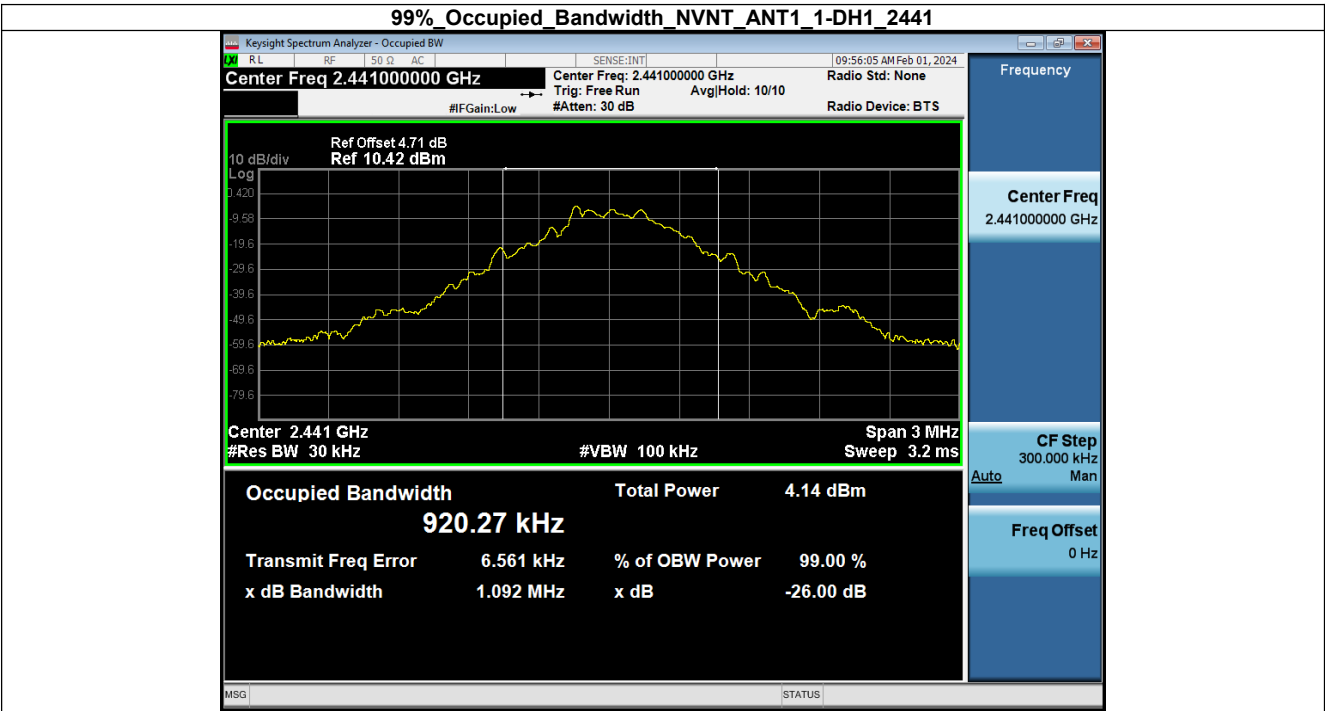
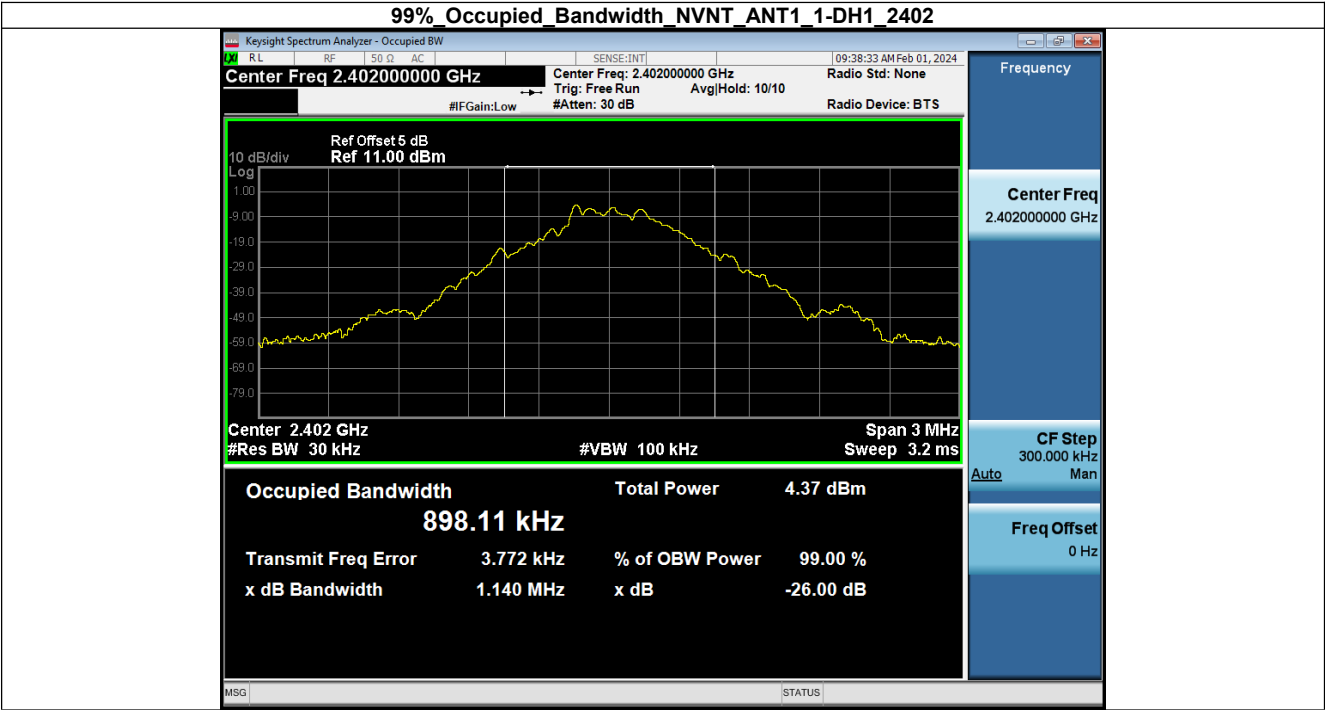


-20dB Bandwidth_NVNT_ANT1_3-DH1_2480



2. 99% Occupied Bandwidth

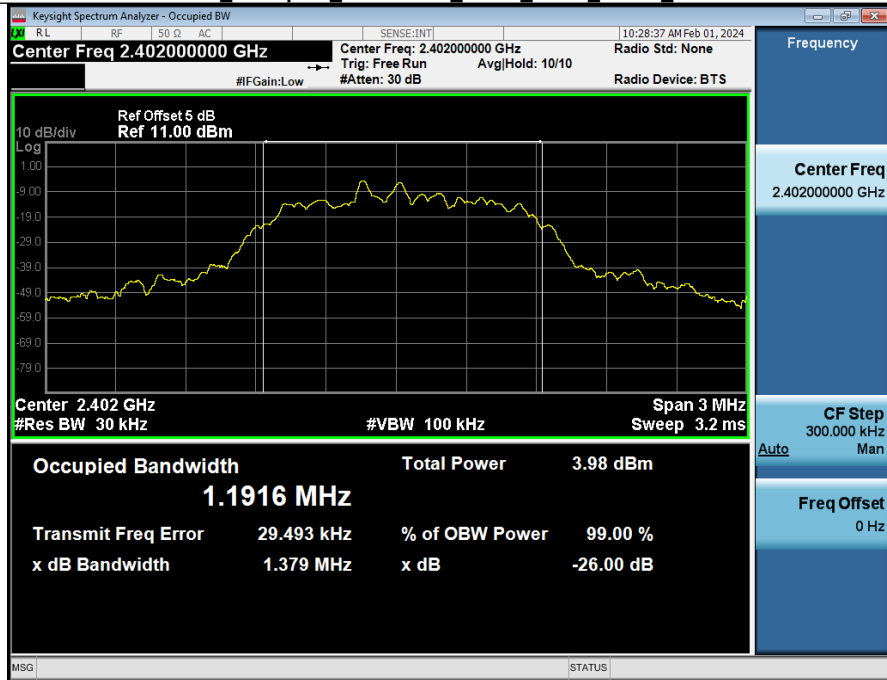
Condition	Antenna	Modulation	Frequency (MHz)	99%%BW(MHz)
NVNT	ANT1	1-DH1	2402.00	0.898
NVNT	ANT1	1-DH1	2441.00	0.920
NVNT	ANT1	1-DH1	2480.00	0.957
NVNT	ANT1	2-DH1	2402.00	1.192
NVNT	ANT1	2-DH1	2441.00	1.201
NVNT	ANT1	2-DH1	2480.00	1.204
NVNT	ANT1	3-DH1	2402.00	1.176
NVNT	ANT1	3-DH1	2441.00	1.183
NVNT	ANT1	3-DH1	2480.00	1.187



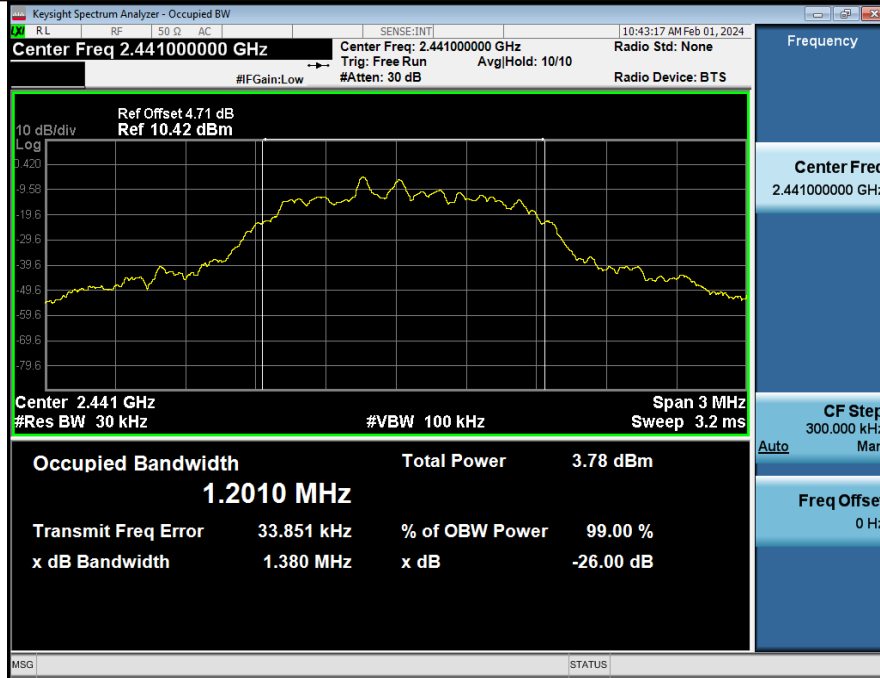
99% Occupied Bandwidth_NVNT_ANT1_1-DH1_2480



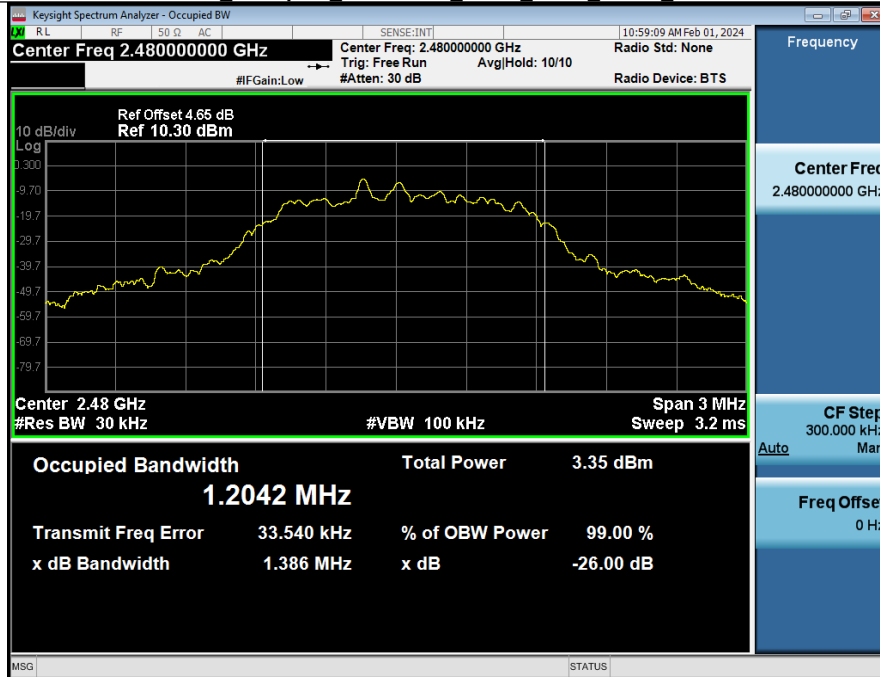
99% Occupied Bandwidth_NVNT_ANT1_2-DH1_2402



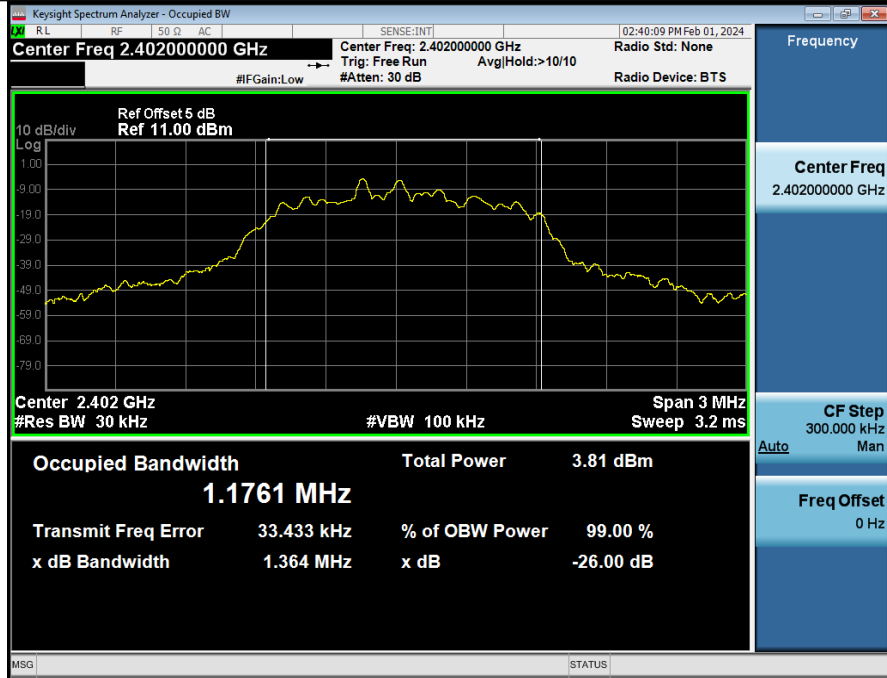
99% Occupied Bandwidth_NVNT_ANT1_2-DH1_2441



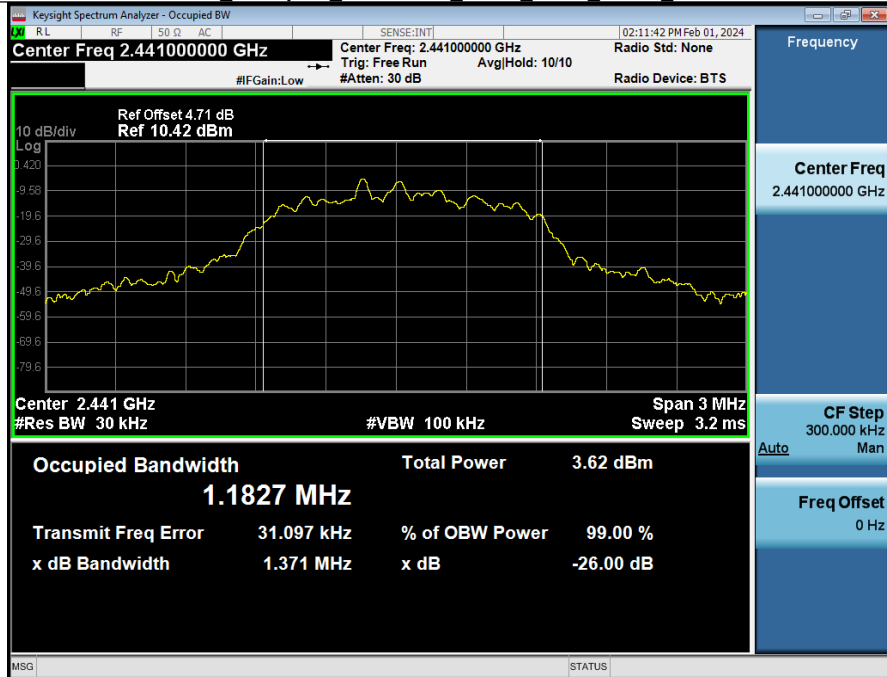
99% Occupied Bandwidth_NVNT_ANT1_2-DH1_2480



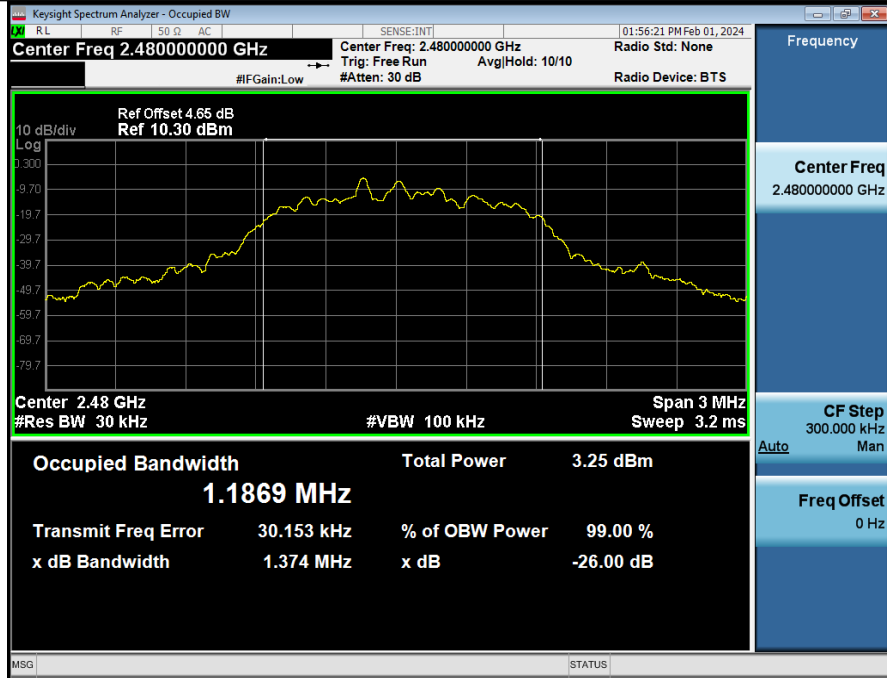
99% Occupied Bandwidth_NVNT_ANT1_3-DH1_2402



99% Occupied Bandwidth_NVNT_ANT1_3-DH1_2441

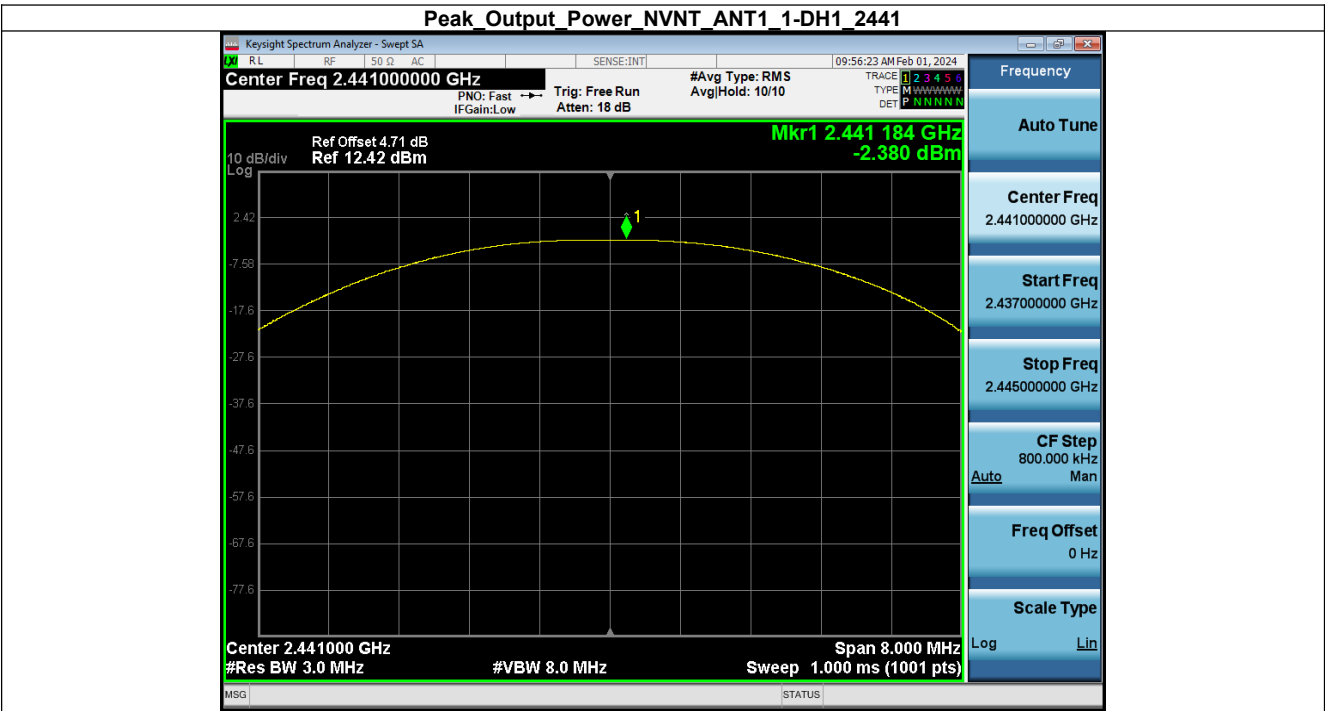
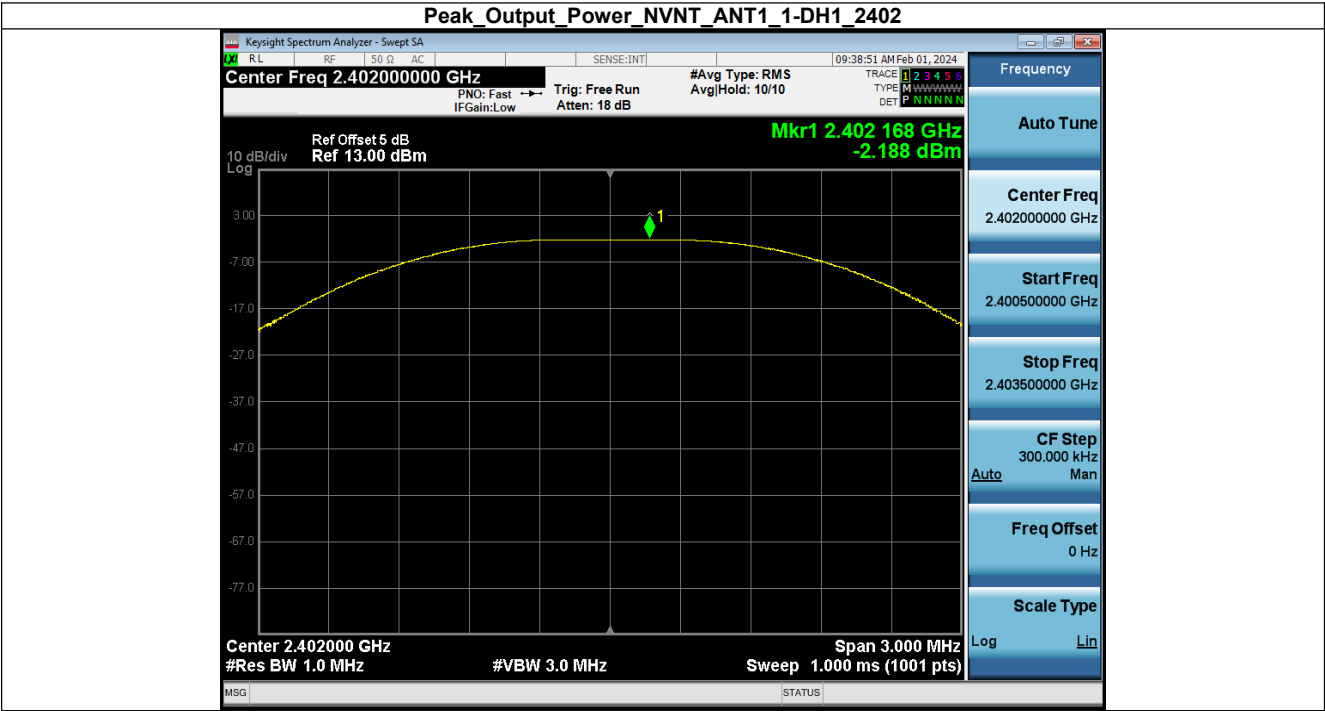


99% Occupied Bandwidth_NVNT_ANT1_3-DH1_2480

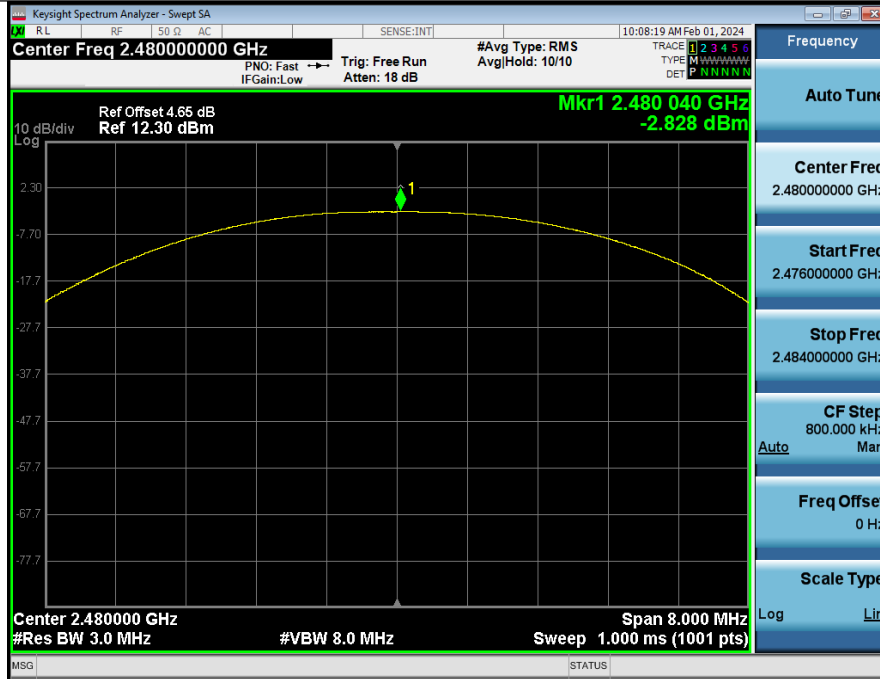


3. Peak Output Power

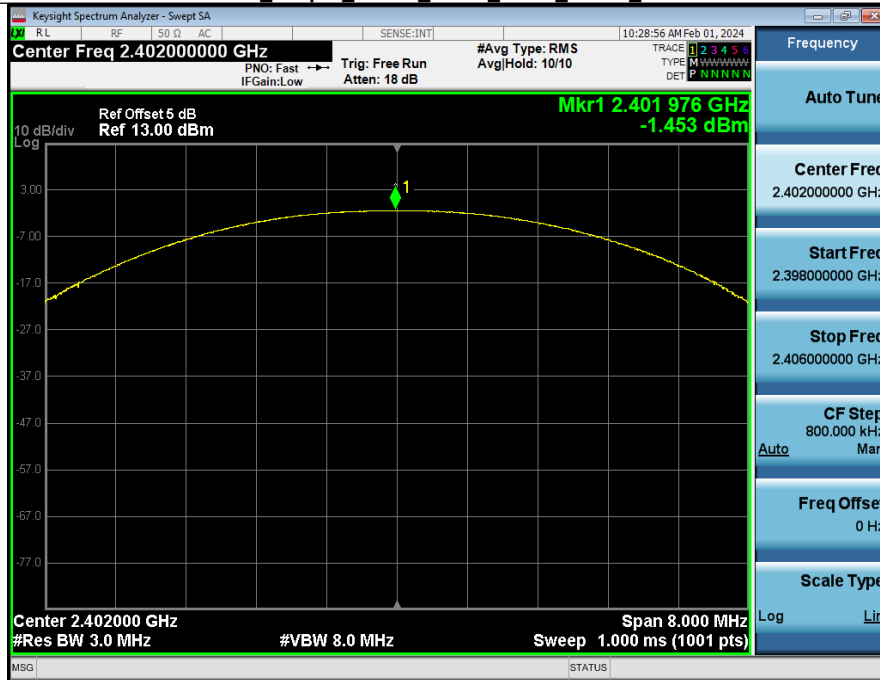
Condition	Antenna	Modulation	Frequency (MHz)	Max. Conducted Power(dBm)	Max. Conducted Power(mW)	Limit(mW)	Result
NVNT	ANT1	1-DH1	2402.00	-2.19	0.60	1000	Pass
NVNT	ANT1	1-DH1	2441.00	-2.38	0.58	125	Pass
NVNT	ANT1	1-DH1	2480.00	-2.83	0.52	125	Pass
NVNT	ANT1	2-DH1	2402.00	-1.45	0.72	125	Pass
NVNT	ANT1	2-DH1	2441.00	-1.64	0.69	125	Pass
NVNT	ANT1	2-DH1	2480.00	-2.04	0.62	125	Pass
NVNT	ANT1	3-DH1	2402.00	-0.49	0.89	125	Pass
NVNT	ANT1	3-DH1	2441.00	-0.66	0.86	125	Pass
NVNT	ANT1	3-DH1	2480.00	-1.45	0.72	125	Pass



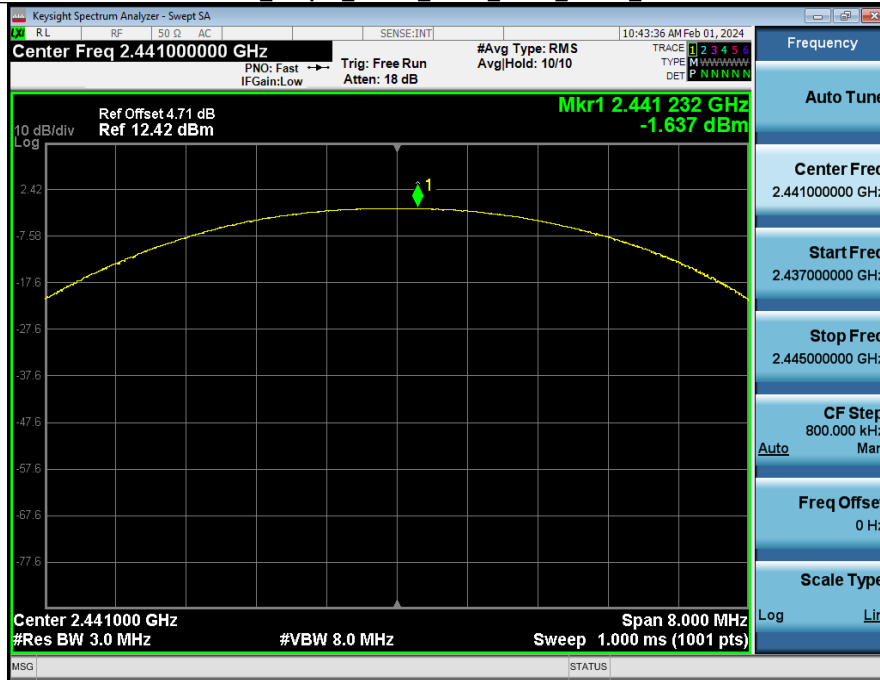
Peak Output Power_NVNT_ANT1_1-DH1_2480



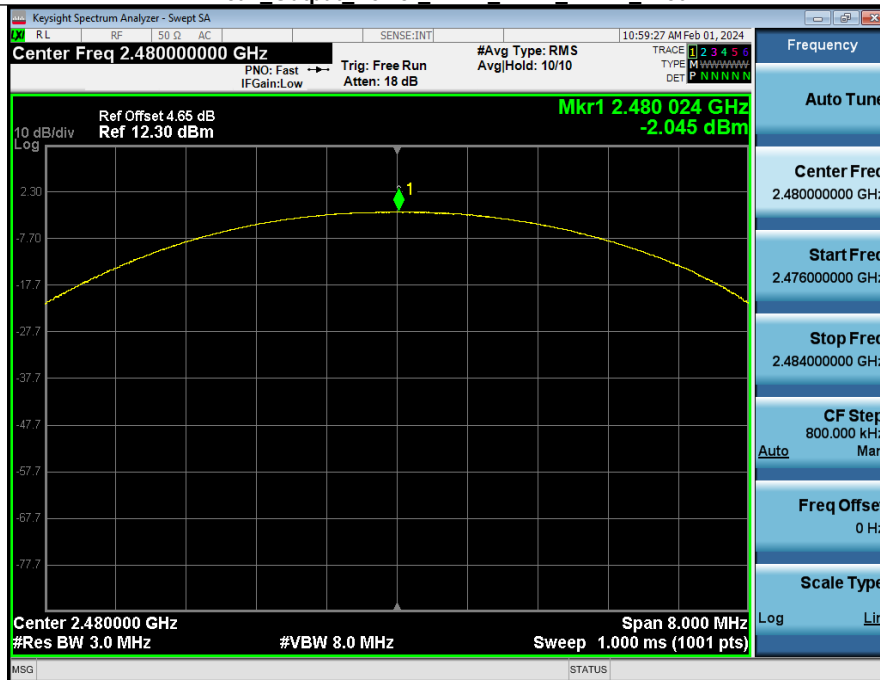
Peak Output Power_NVNT_ANT1_2-DH1_2402



Peak Output Power_NVNT_ANT1_2-DH1_2441



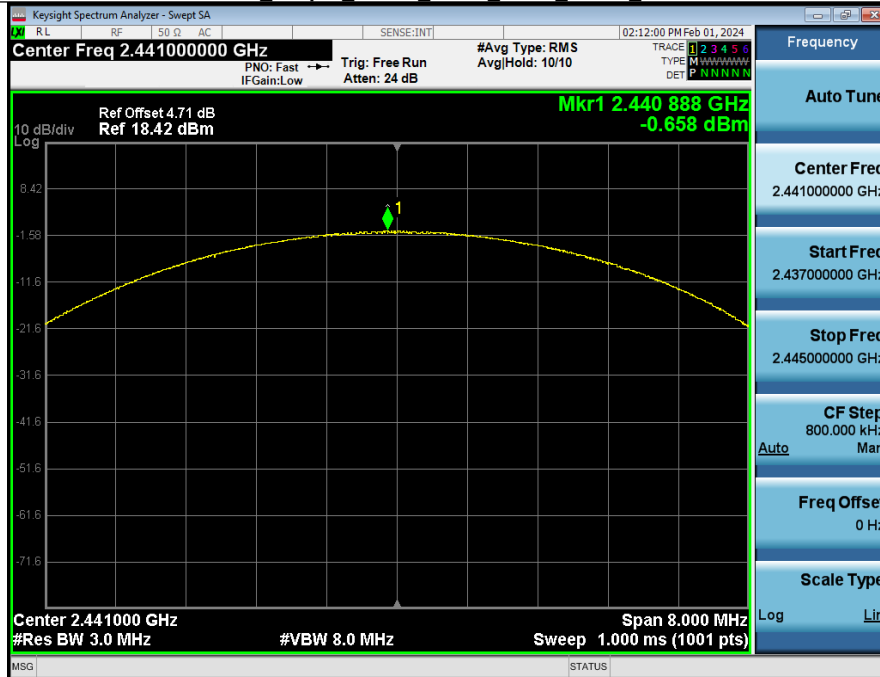
Peak Output Power_NVNT_ANT1_2-DH1_2480



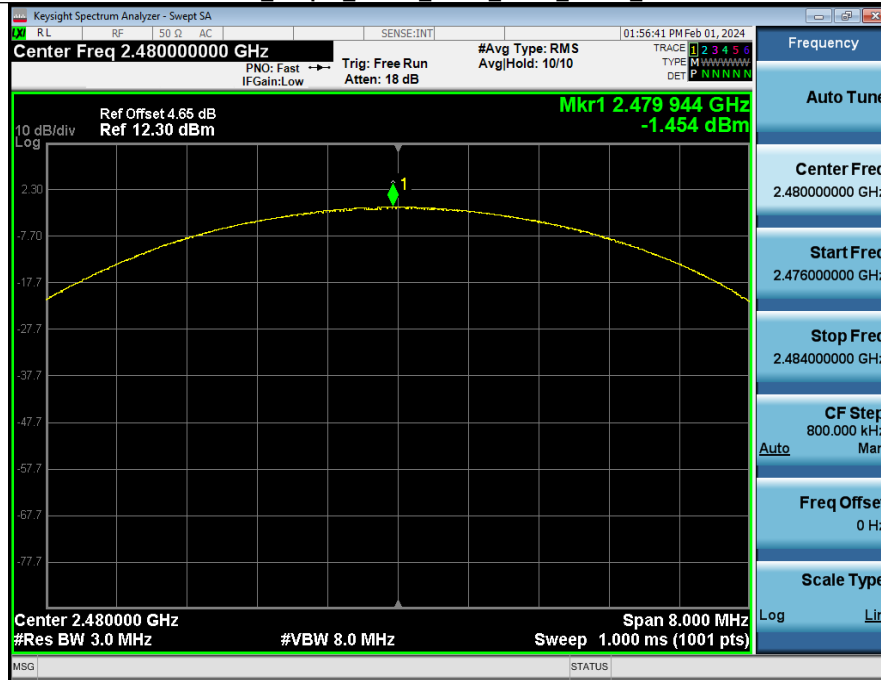
Peak Output Power_NVNT_ANT1_3-DH1_2402



Peak Output Power_NVNT_ANT1_3-DH1_2441



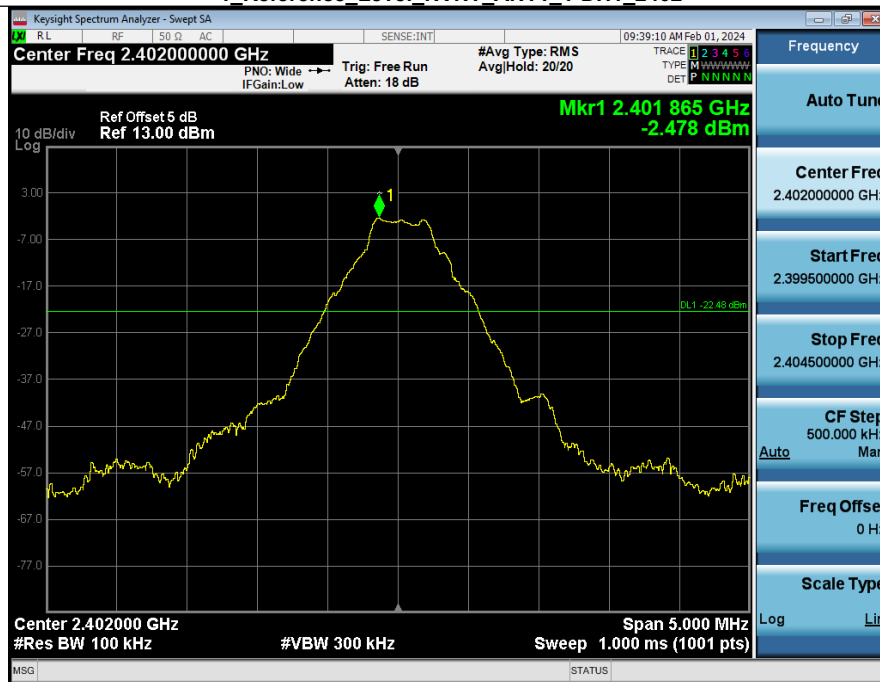
Peak Output Power_NVNT_ANT1_3-DH1_2480



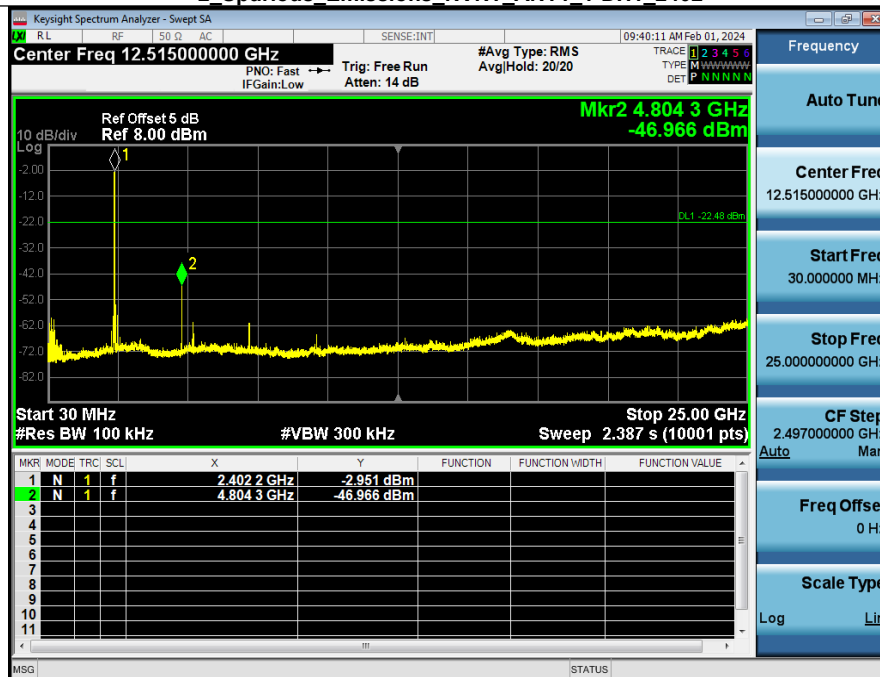
4. Spurious Emissions

Condition	Antenna	Modulation	TX Mode	Spurious MAX.Value(dBm)	Limit	Result
NVNT	ANT1	1-DH1	2402.00	-46.966	-22.478	Pass
NVNT	ANT1	1-DH1	2441.00	-48.007	-22.754	Pass
NVNT	ANT1	1-DH1	2480.00	-45.317	-23.567	Pass
NVNT	ANT1	2-DH1	2402.00	-49.645	-22.885	Pass
NVNT	ANT1	2-DH1	2441.00	-47.432	-22.808	Pass
NVNT	ANT1	2-DH1	2480.00	-46.424	-23.628	Pass
NVNT	ANT1	3-DH1	2402.00	-49.368	-22.933	Pass
NVNT	ANT1	3-DH1	2441.00	-47.203	-22.840	Pass
NVNT	ANT1	3-DH1	2480.00	-46.913	-23.599	Pass

1 Reference Level NVNT ANT1 1-DH1 2402



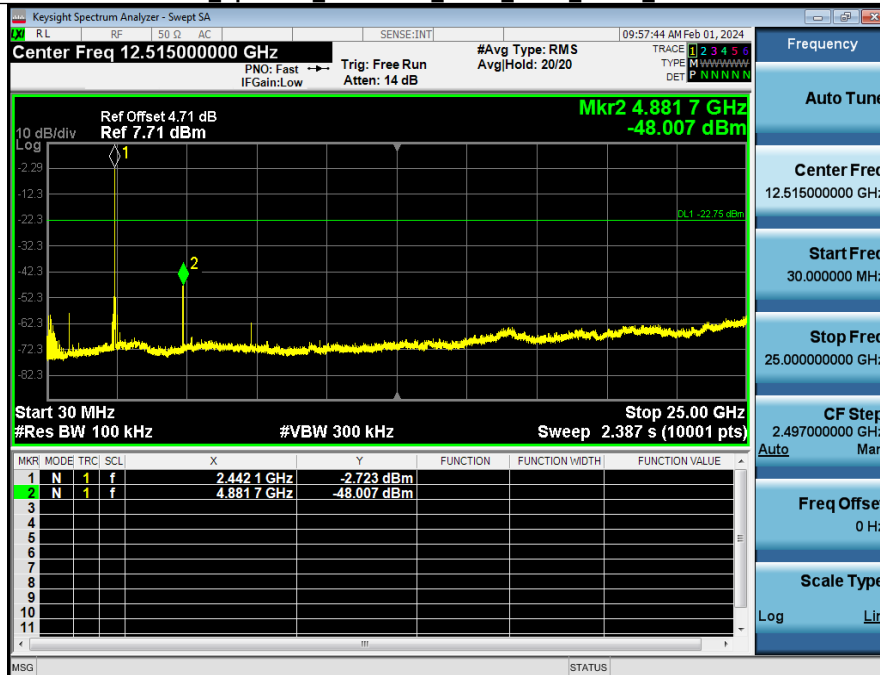
2 Spurious Emissions NVNT ANT1 1-DH1 2402



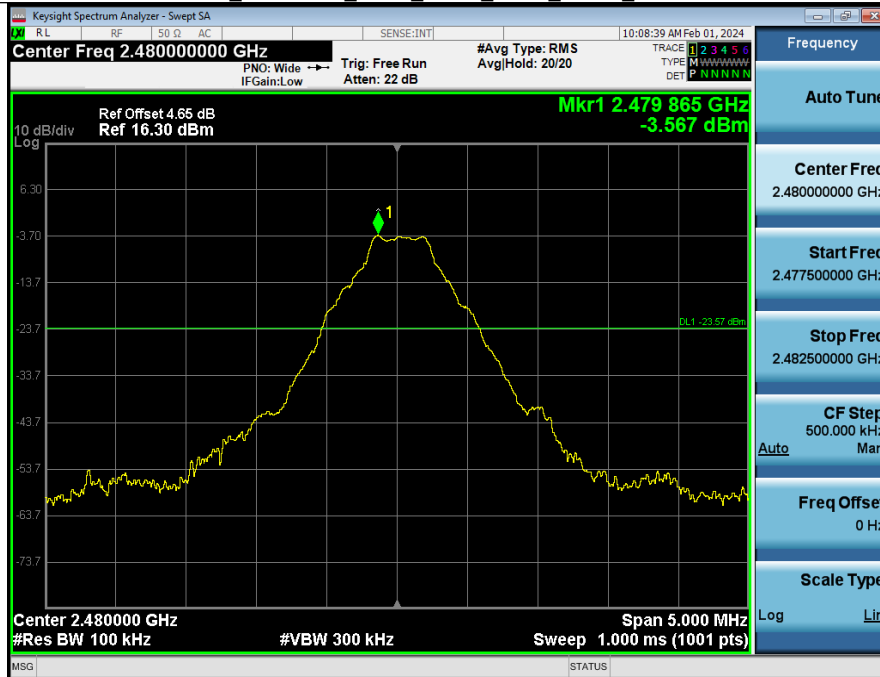
1_Reference_Level_NVNT_ANT1_1-DH1_2441



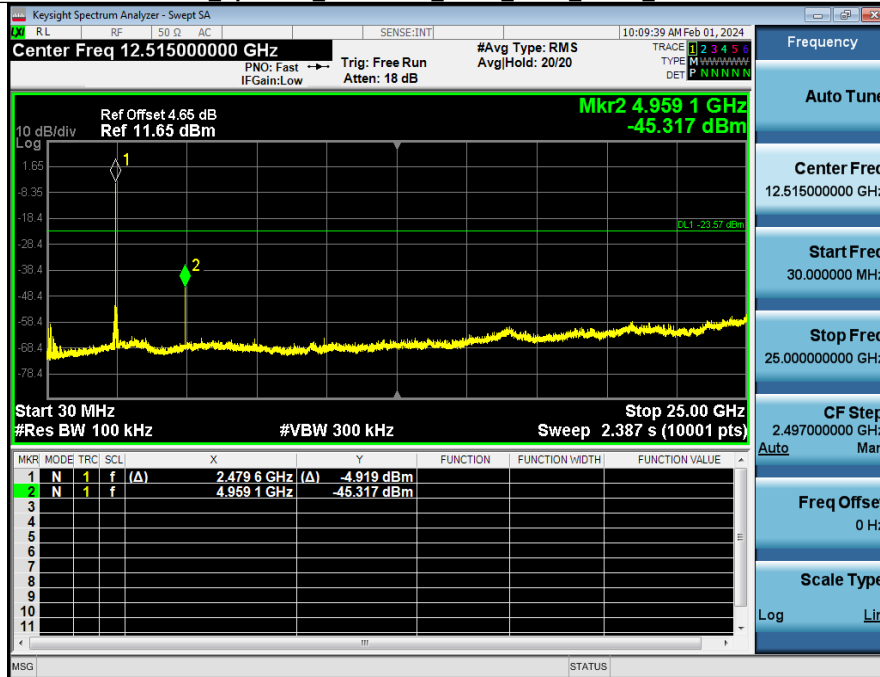
2_Spurious_Emissions_NVNT_ANT1_1-DH1_2441



1 Reference Level NVNT_ANT1_1-DH1_2480



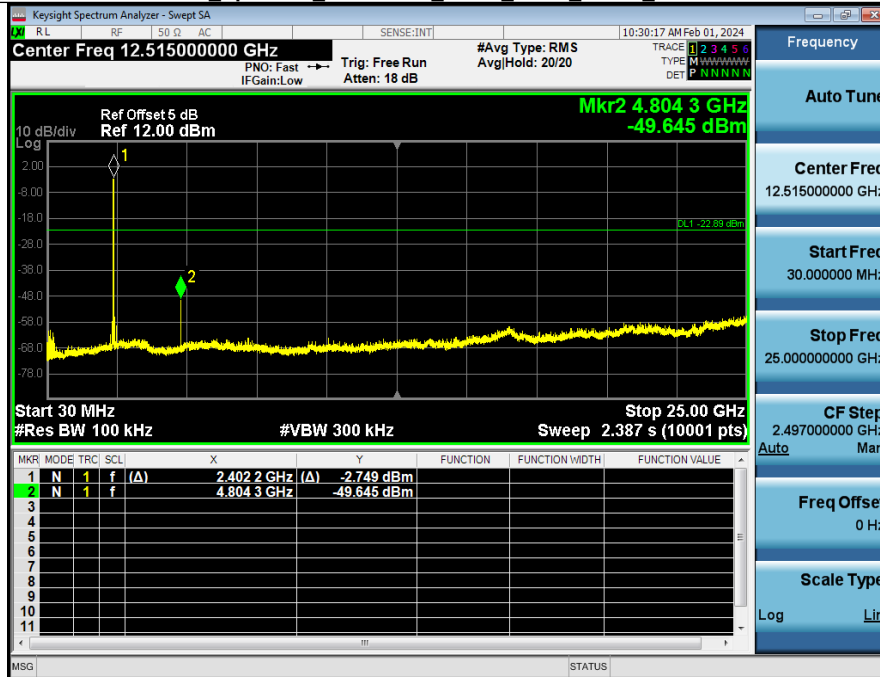
2 Spurious Emissions NVNT_ANT1_1-DH1_2480



1 Reference Level NVNT_ANT1_2-DH1_2402



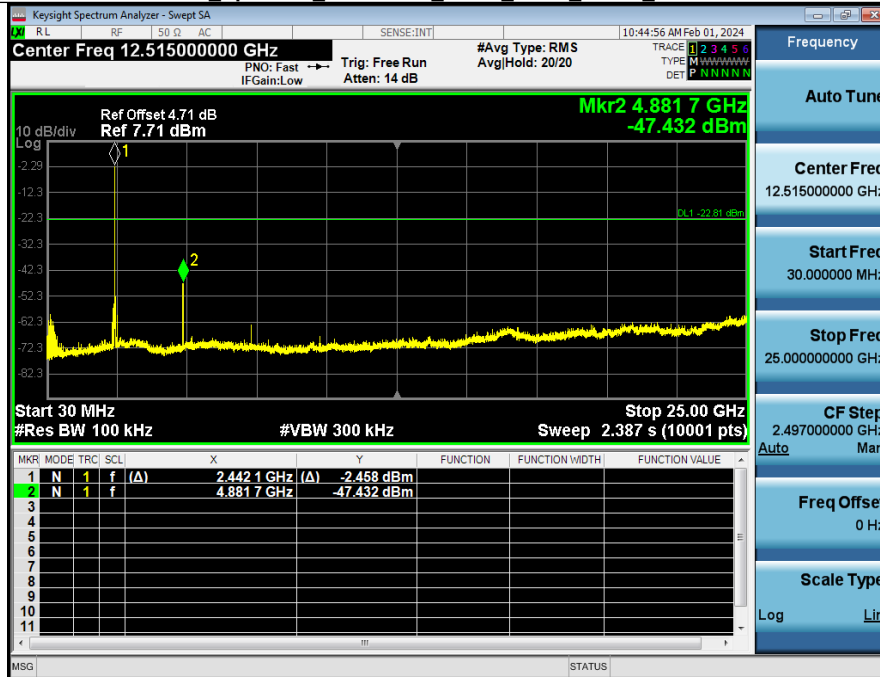
2 Spurious Emissions NVNT_ANT1_2-DH1_2402



1 Reference Level NVNT_ANT1_2-DH1_2441



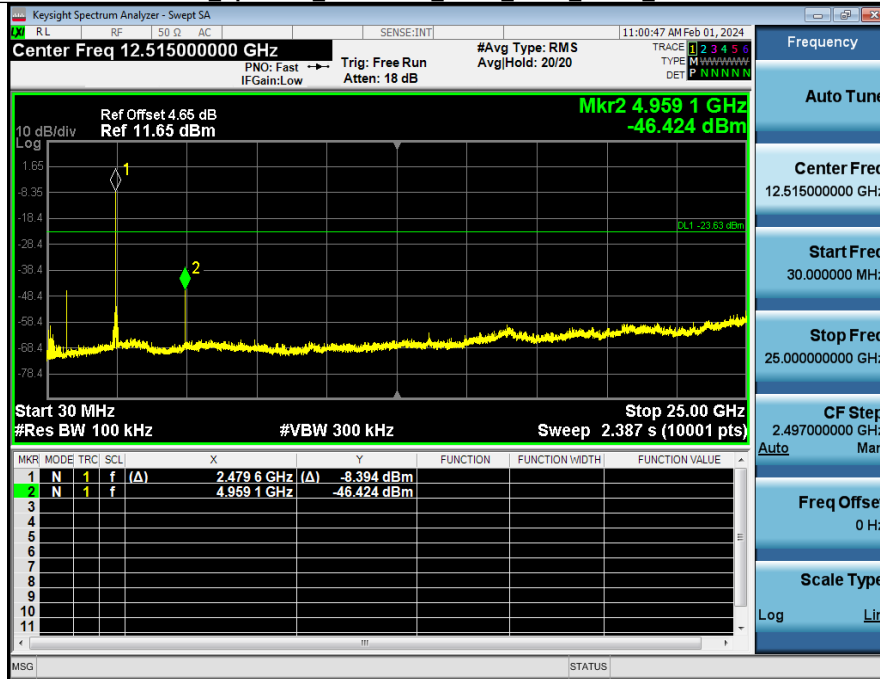
2 Spurious Emissions NVNT_ANT1_2-DH1_2441



1 Reference Level NVNT_ANT1_2-DH1_2480



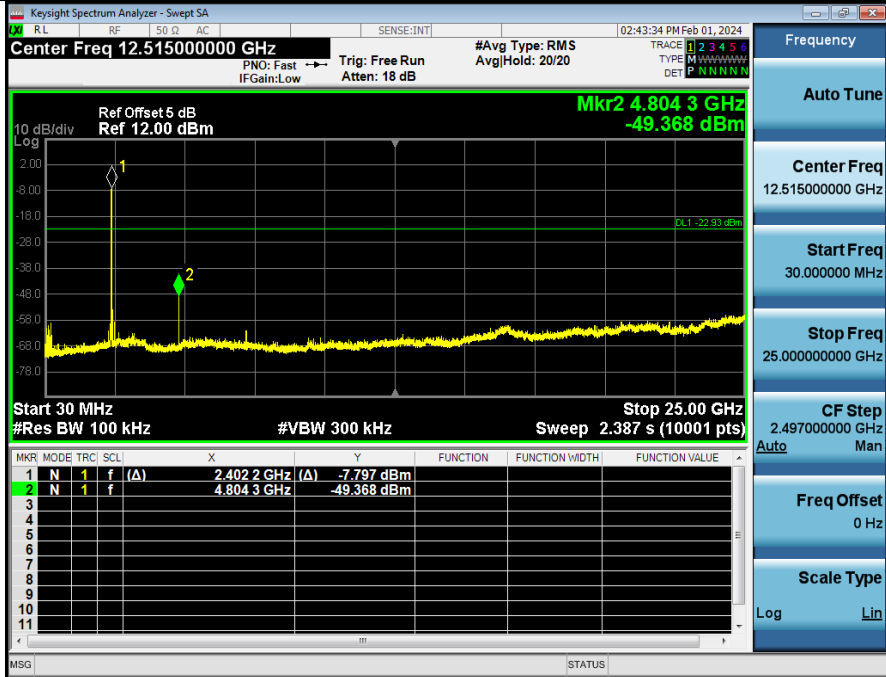
2 Spurious Emissions NVNT_ANT1_2-DH1_2480



1_Reference_Level_NVNT_ANT1_3-DH1_2402



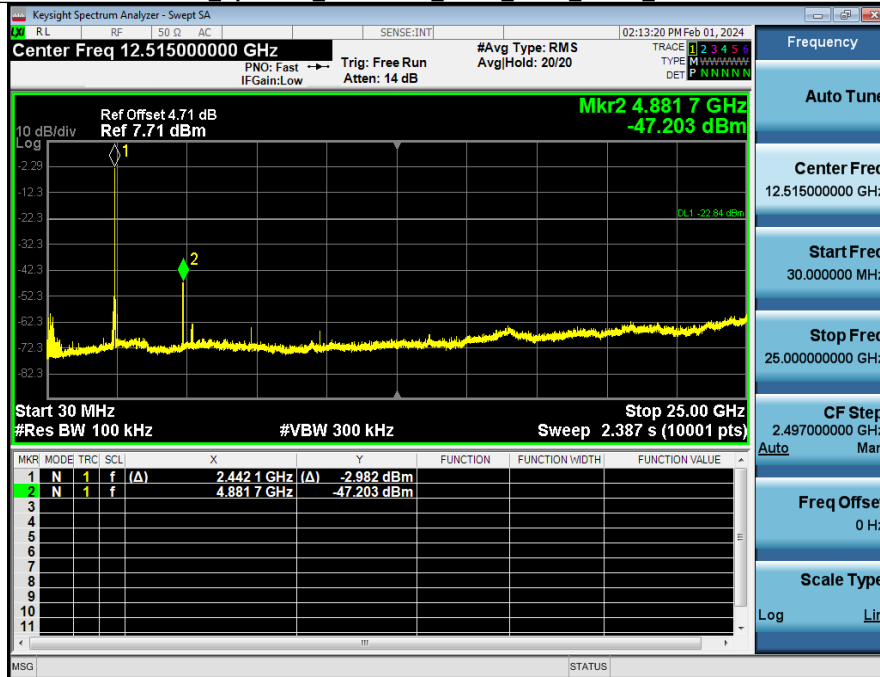
2_Spurious_Emissions_NVNT_ANT1_3-DH1_2402



1 Reference Level NVNT_ANT1_3-DH1_2441



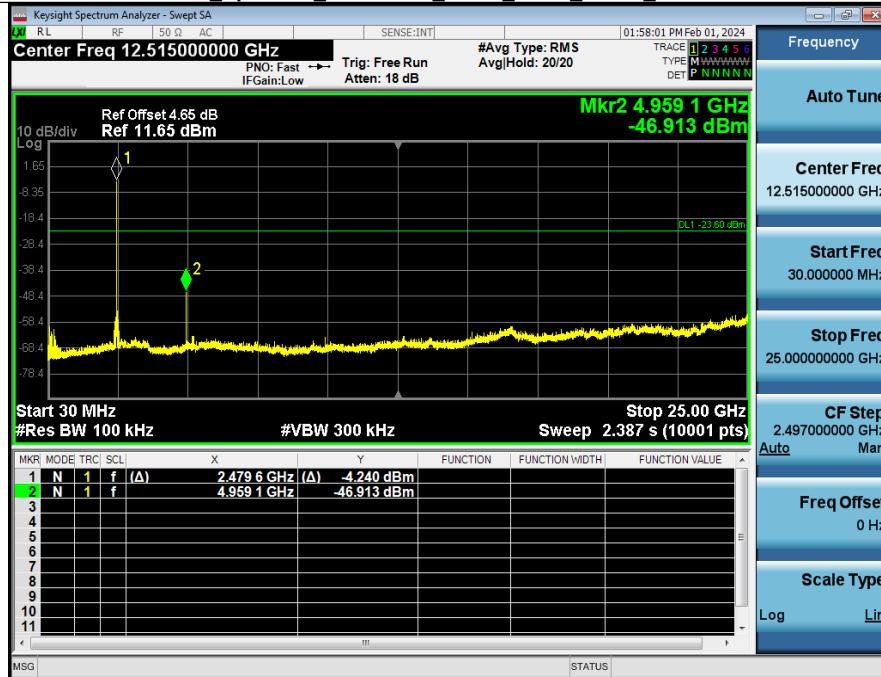
2 Spurious Emissions NVNT_ANT1_3-DH1_2441



1 Reference Level NVNT_ANT1_3-DH1_2480

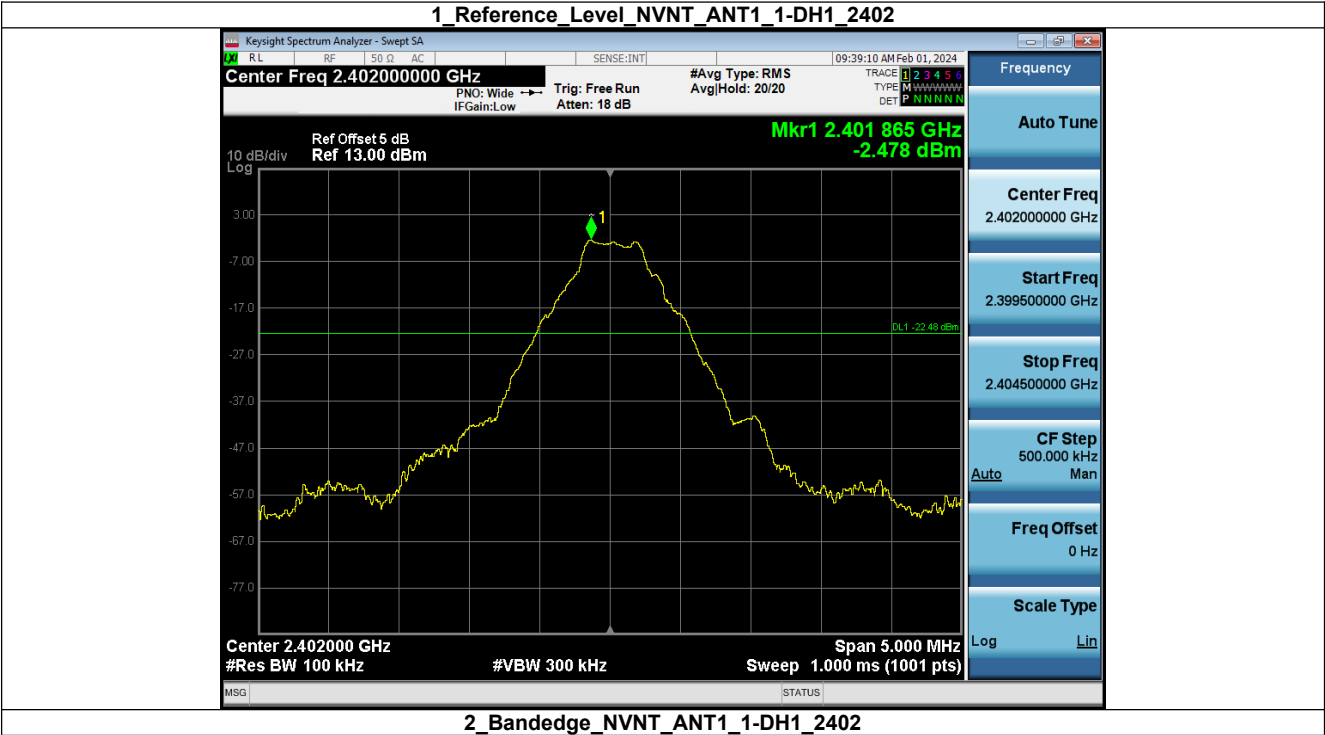


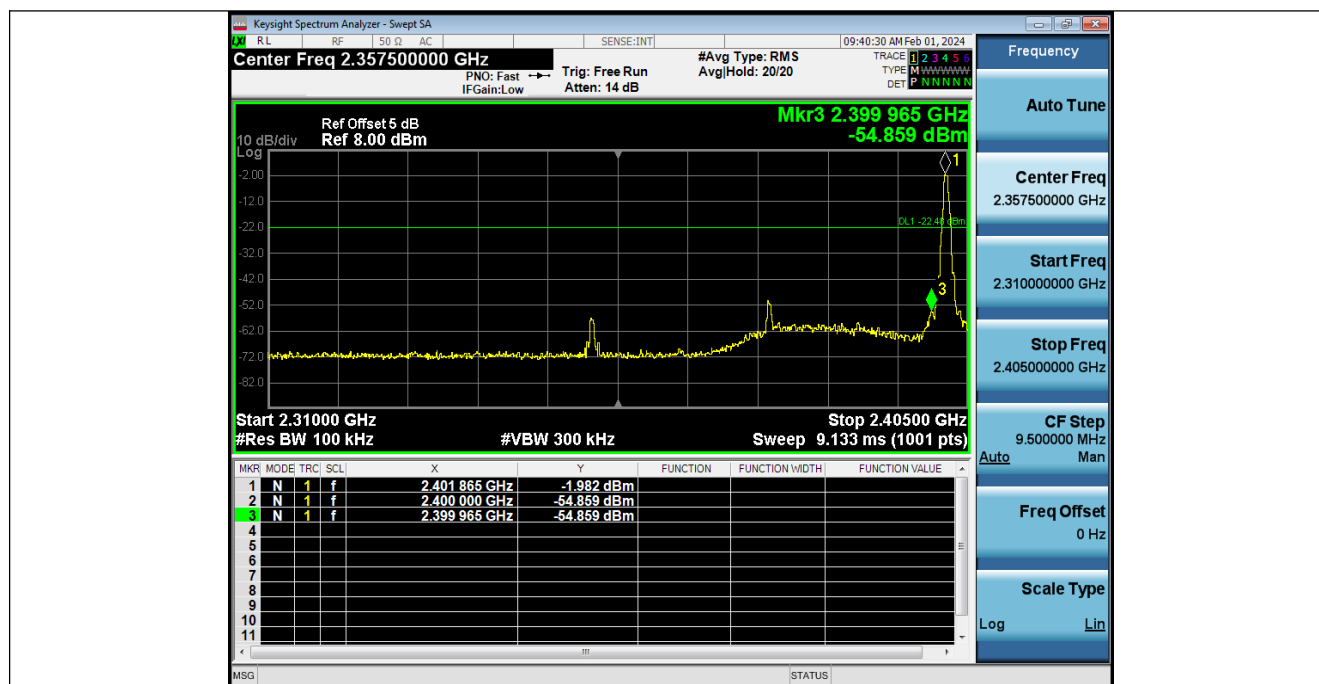
2 Spurious Emissions NVNT_ANT1_3-DH1_2480



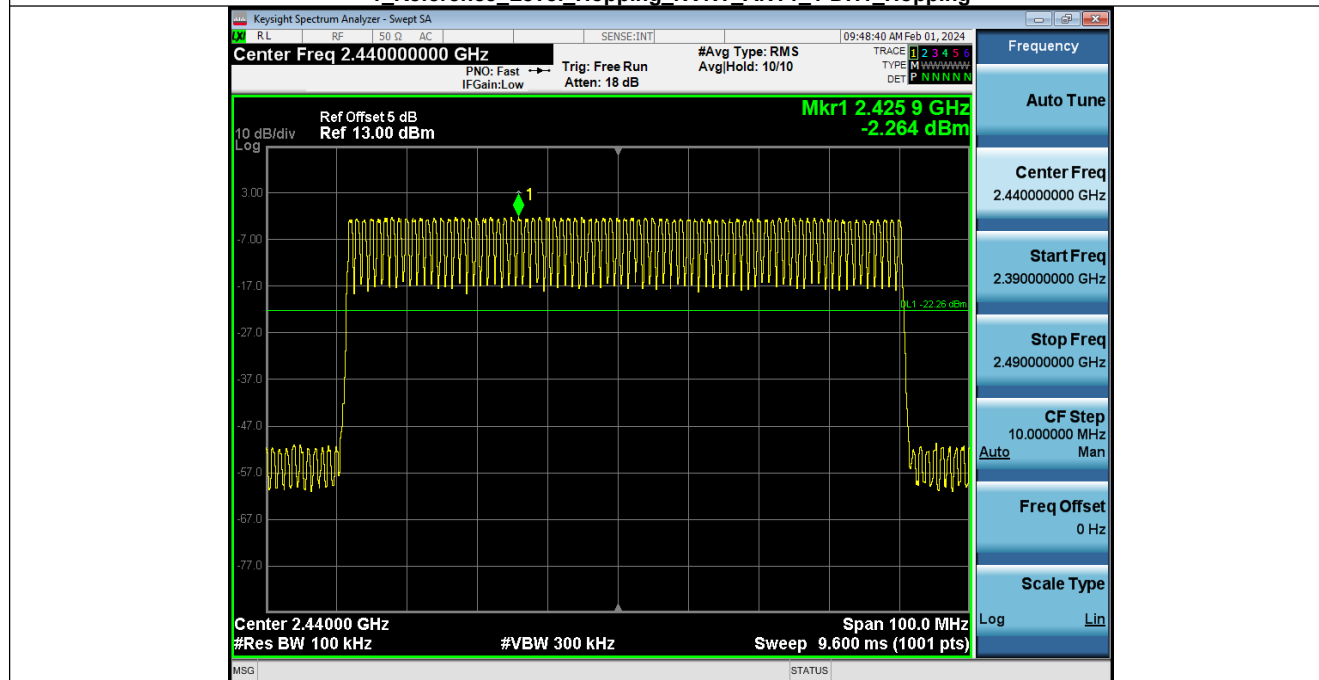
5. Bandedge

Condition	Antenna	Modulation	TX Mode	Bandedge MAX.Value	Limit	Result
NVNT	ANT1	1-DH1	2402.00	-54.859	-22.478	Pass
NVNT	ANT1	1-DH1	Hopping_LCH	-50.314	-22.264	Pass
NVNT	ANT1	1-DH1	2480.00	-59.392	-23.567	Pass
NVNT	ANT1	1-DH1	Hopping_HCH	-50.901	-22.703	Pass
NVNT	ANT1	2-DH1	2402.00	-54.618	-22.885	Pass
NVNT	ANT1	2-DH1	Hopping_LCH	-50.703	-22.345	Pass
NVNT	ANT1	2-DH1	2480.00	-57.878	-23.628	Pass
NVNT	ANT1	2-DH1	Hopping_HCH	-51.700	-22.668	Pass
NVNT	ANT1	3-DH1	2402.00	-55.429	-22.598	Pass
NVNT	ANT1	3-DH1	Hopping_LCH	-50.857	-22.335	Pass
NVNT	ANT1	3-DH1	2480.00	-58.306	-23.599	Pass
NVNT	ANT1	3-DH1	Hopping_HCH	-51.634	-22.688	Pass

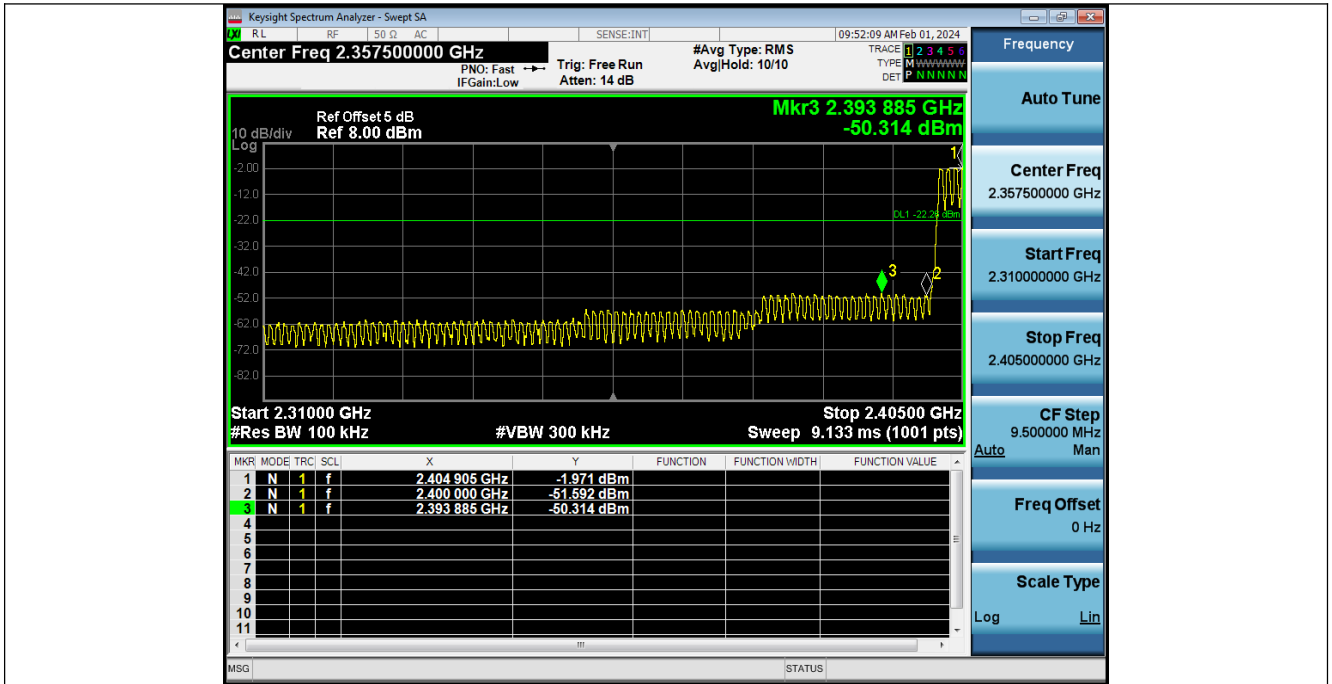




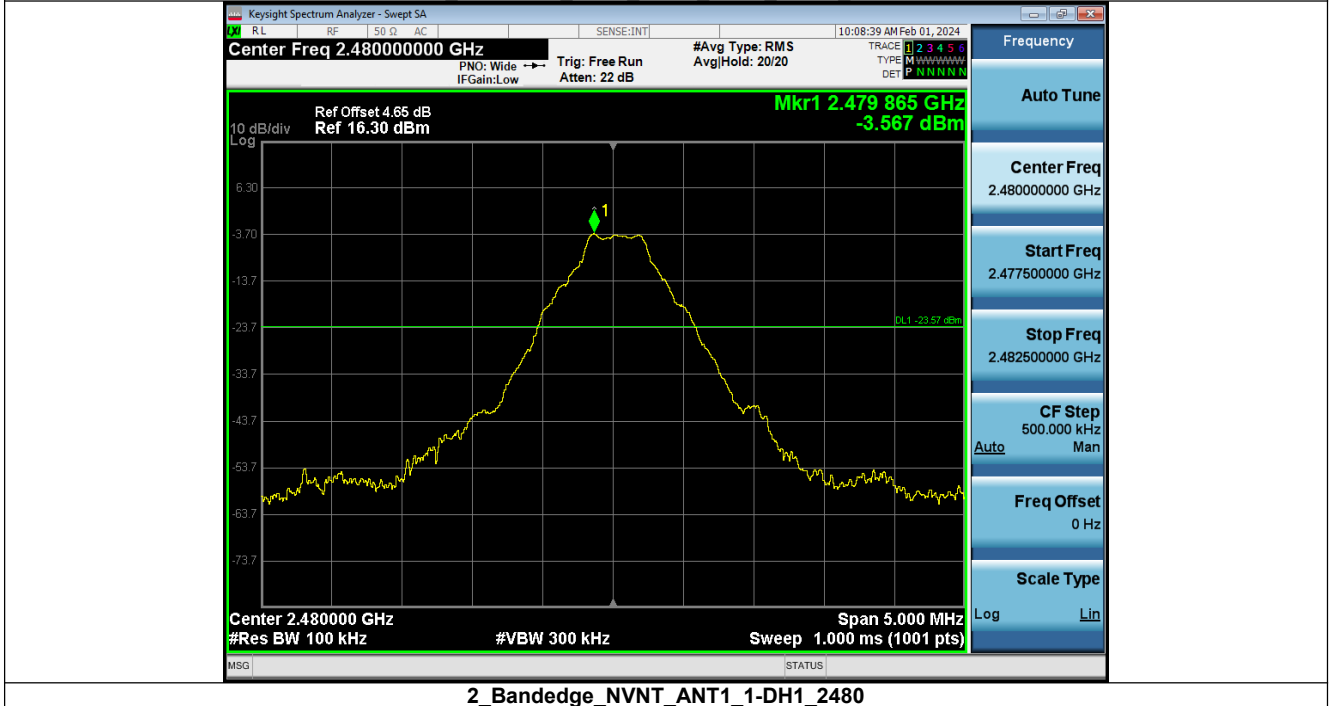
1 Reference_Level_Hopping_NVNT_ANT1_1-DH1_Hopping



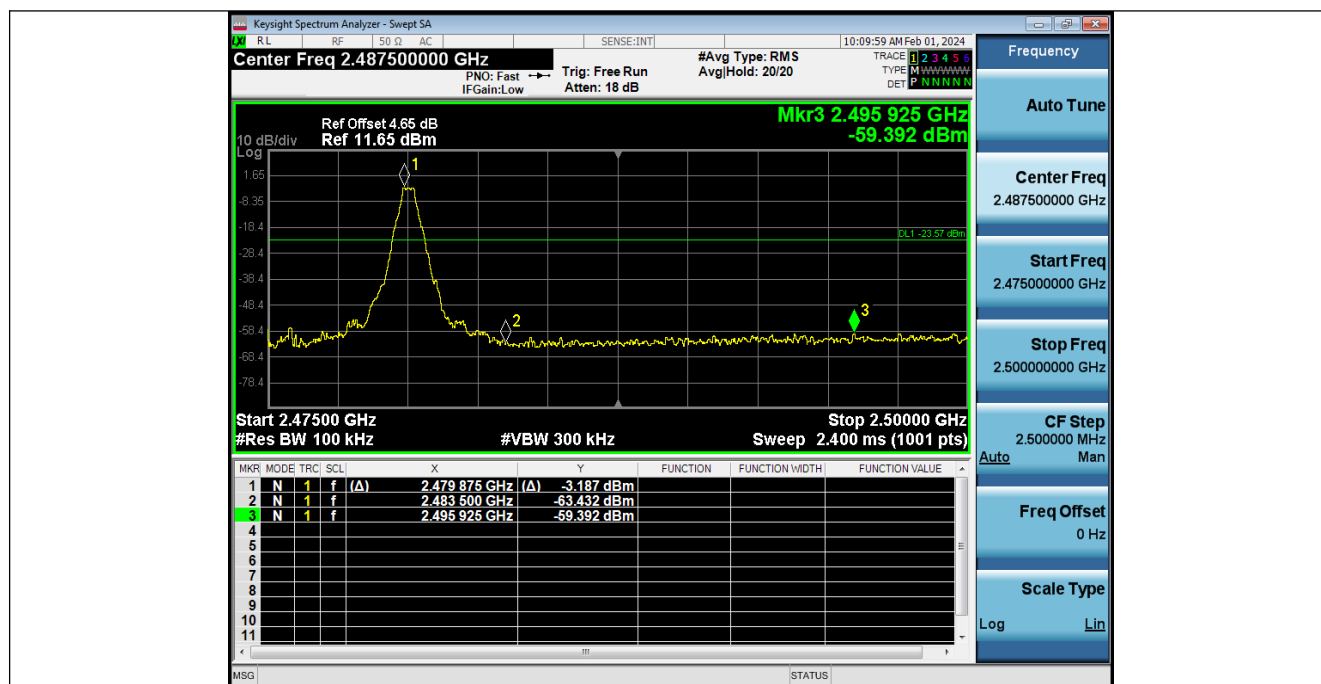
2_Band_Edge_(Hopping)_NVNT_ANT1_1-DH1_Hopping



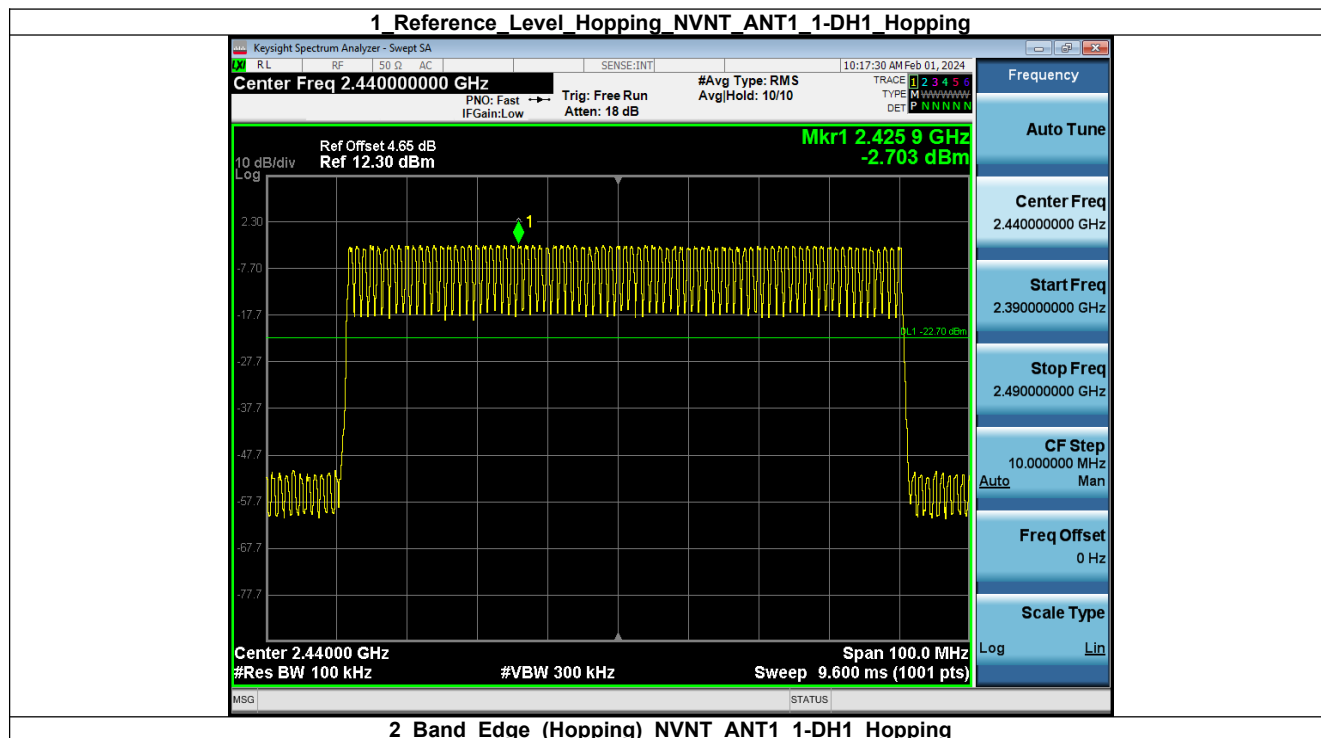
1_Reference_Level_NVNT_ANT1_1-DH1_2480



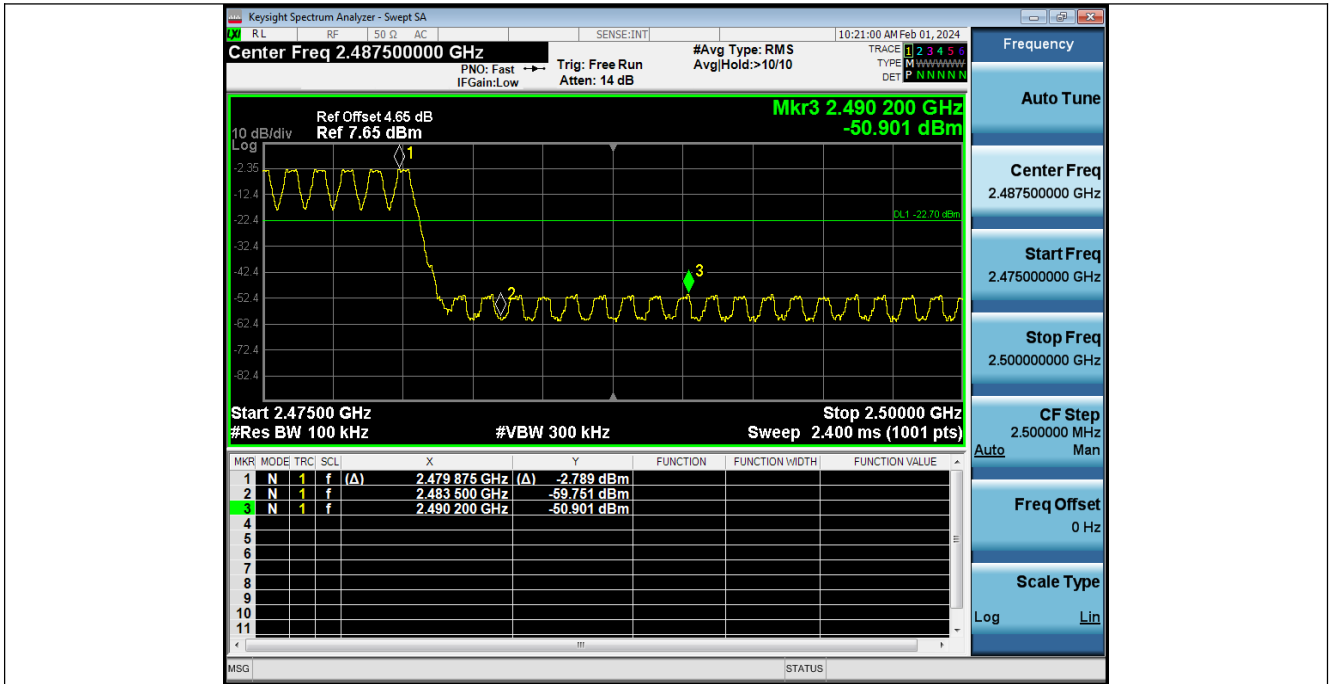
2_Bandedge_NVNT_ANT1_1-DH1_2480



1 Reference_Level_Hopping_NVNT_ANT1_1-DH1_Hopping



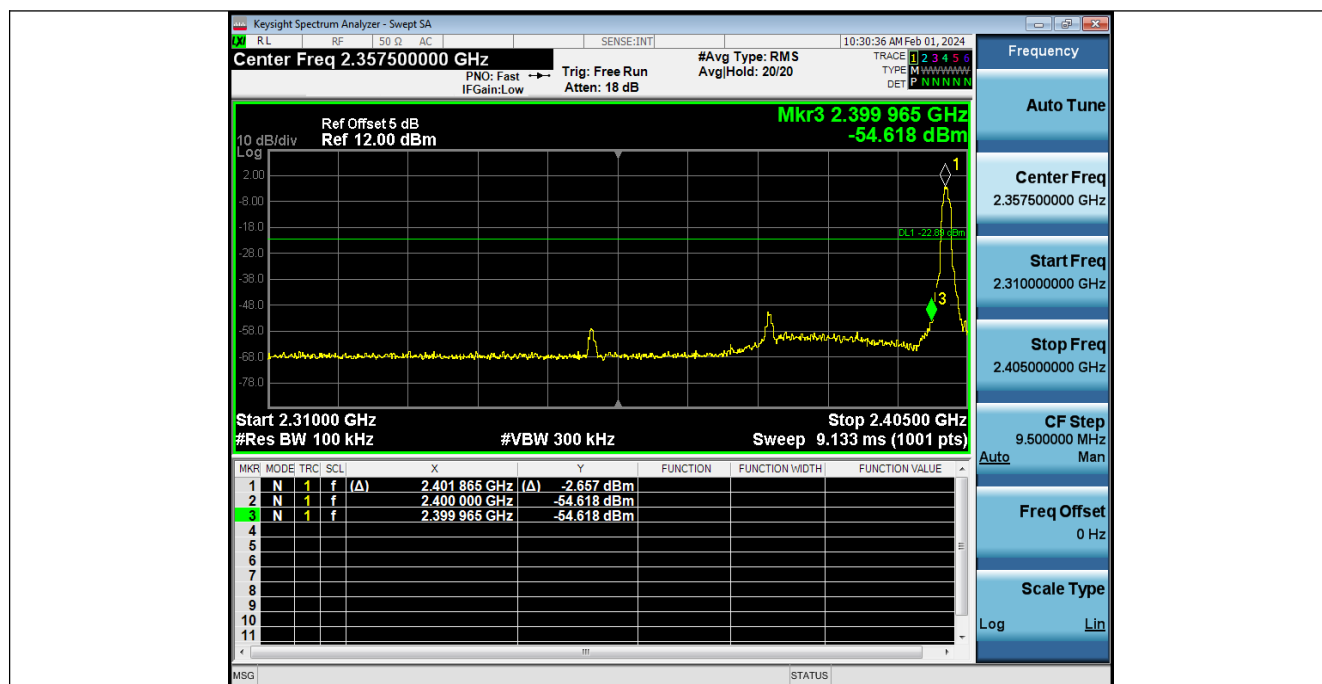
2_Band_Edge_(Hopping)_NVNT_ANT1_1-DH1_Hopping



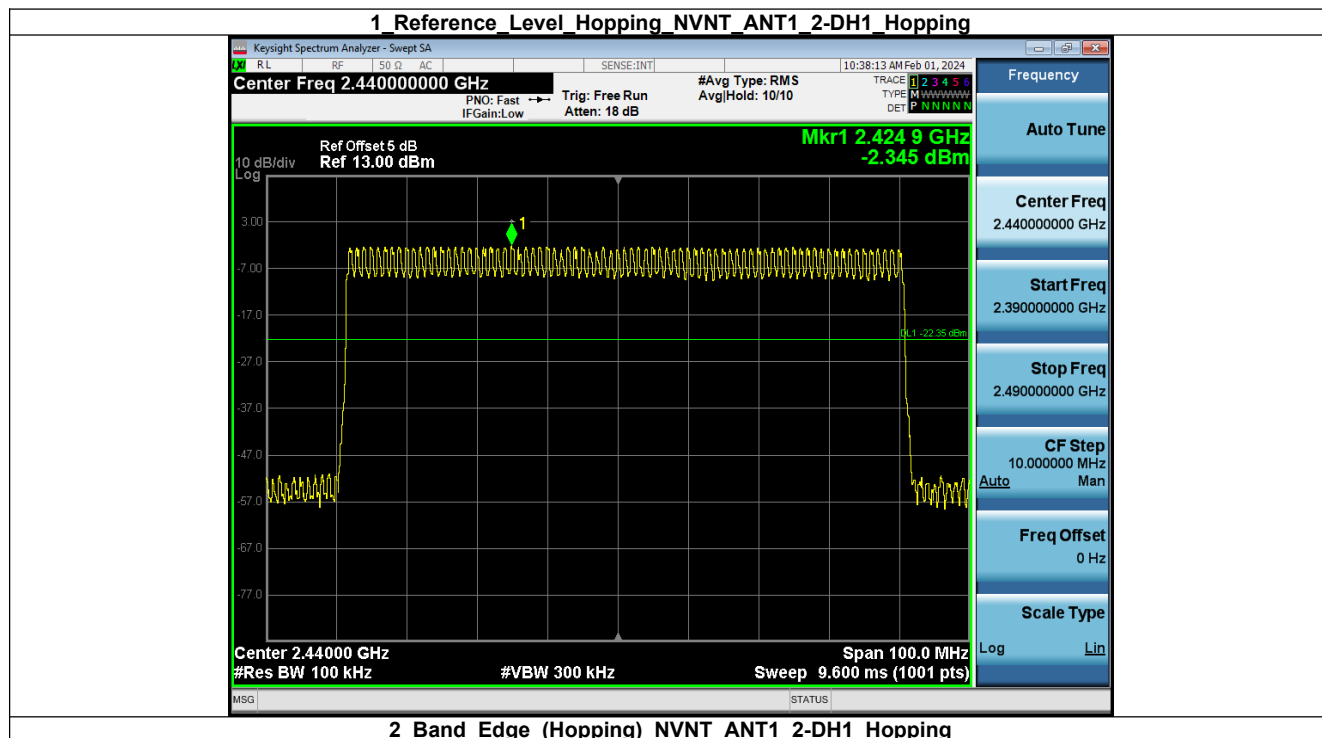
1 Reference_Level_NVNT_ANT1_2-DH1_2402



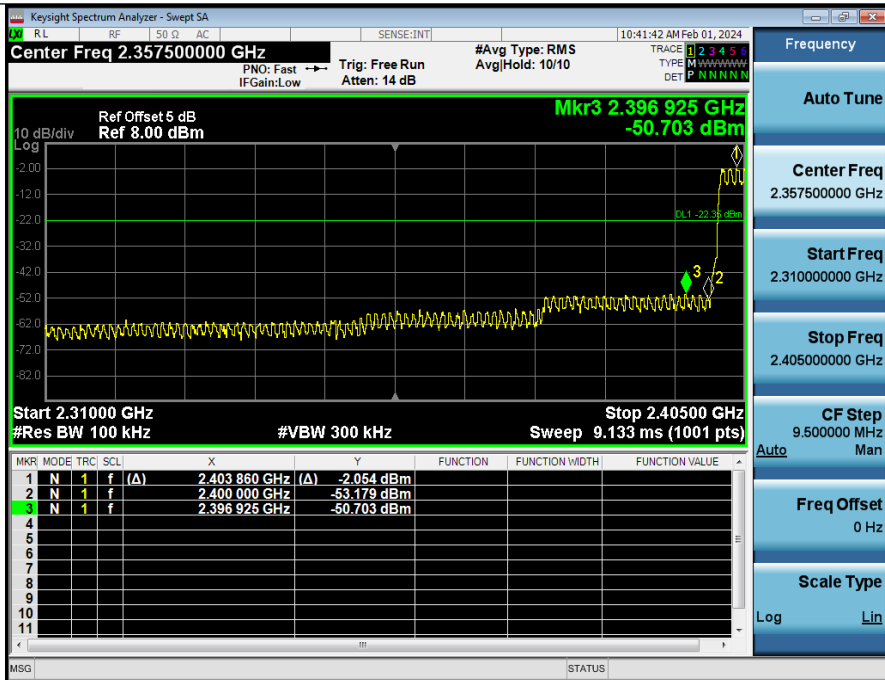
2_Bandedge_NVNT_ANT1_2-DH1_2402



1 Reference_Level_Hopping_NVNT_ANT1_2-DH1_Hopping



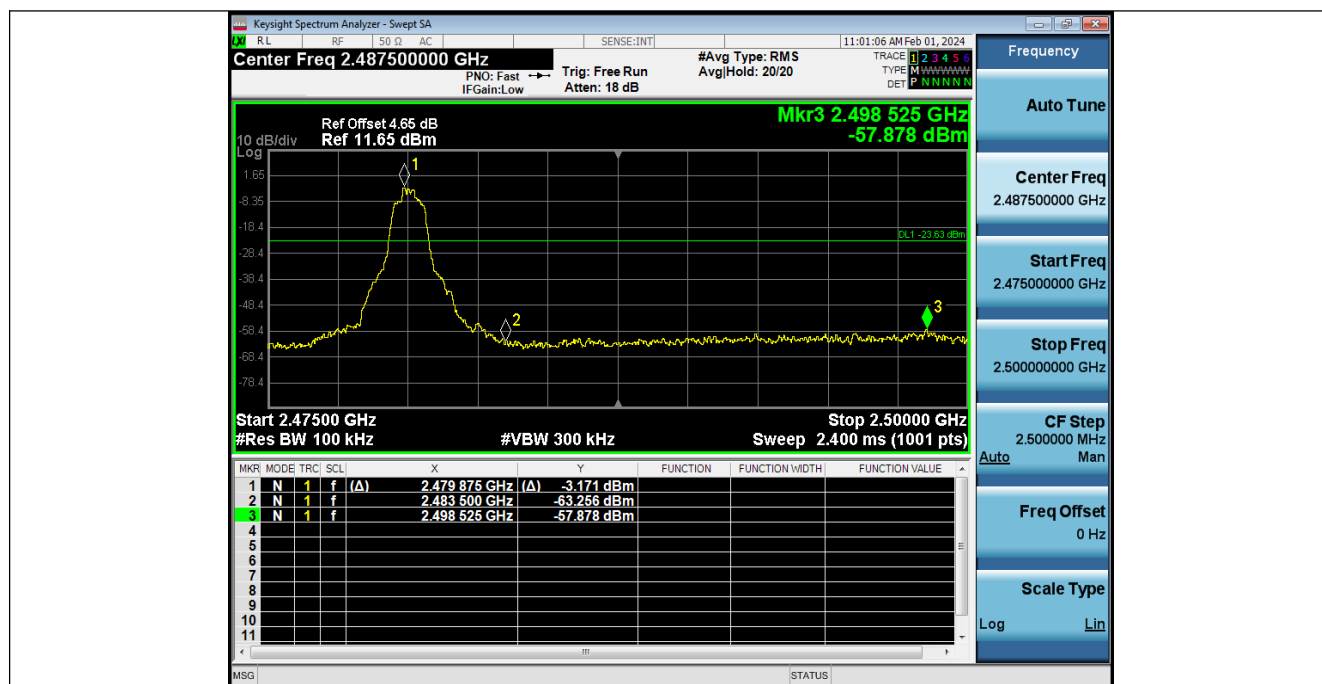
2_Band_Edge_(Hopping)_NVNT_ANT1_2-DH1_Hopping



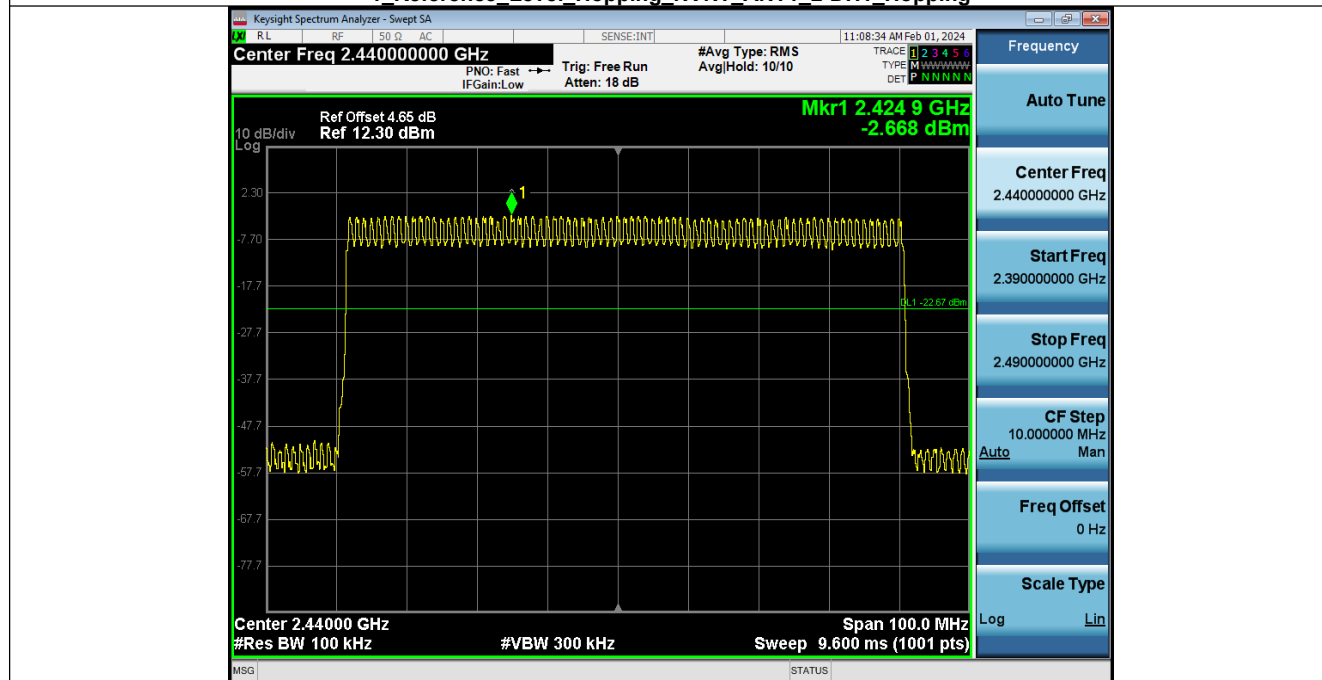
1 Reference_Level_NVNT_ANT1_2-DH1_2480



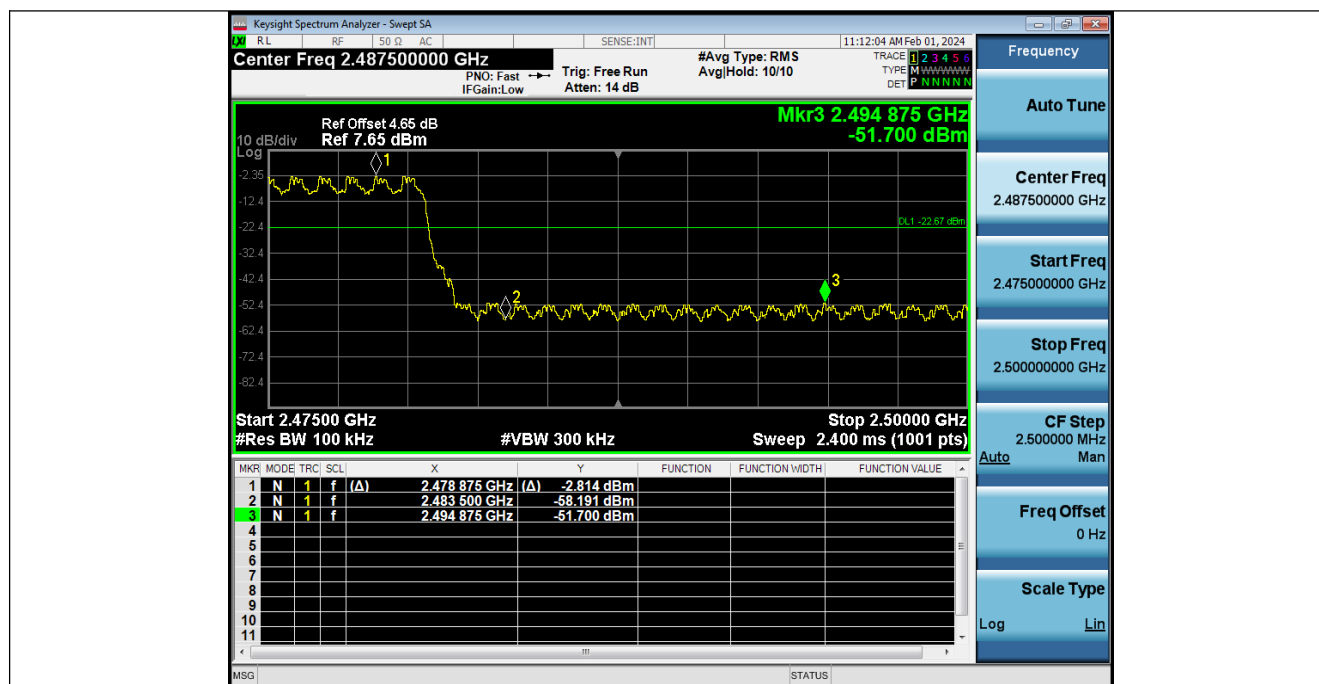
2_Bandedge_NVNT_ANT1_2-DH1_2480



1 Reference_Level_Hopping_NVNT_ANT1_2-DH1_Hopping



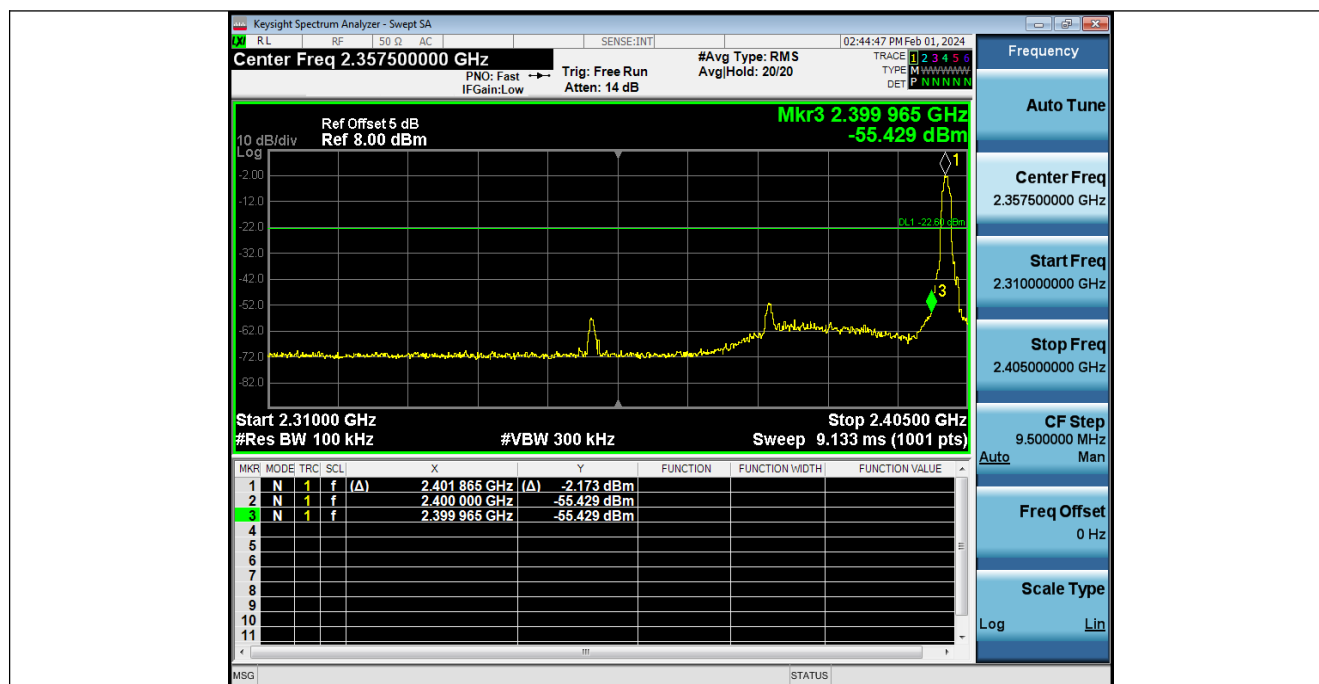
2_Band_Edge_(Hopping)_NVNT_ANT1_2-DH1_Hopping



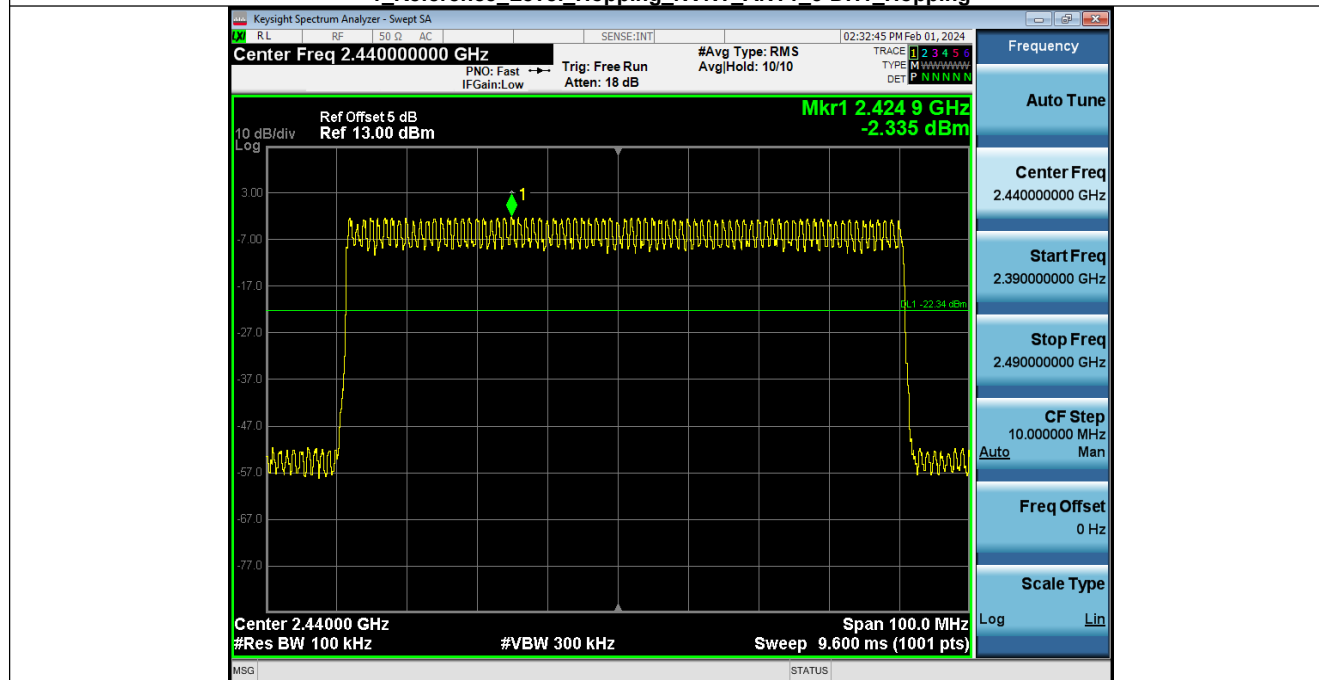
1 Reference_Level_NVNT_ANT1_3-DH1_2402



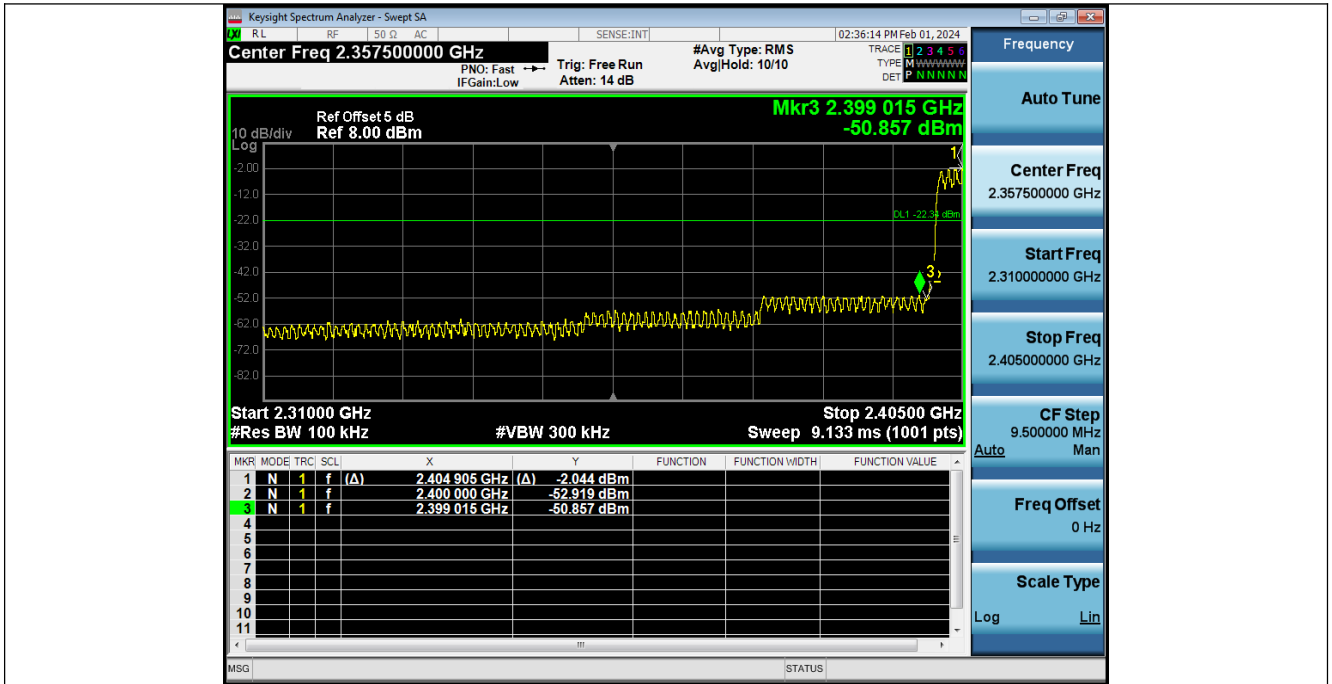
2_Bandedge_NVNT_ANT1_3-DH1_2402



1 Reference_Level_Hopping_NVNT_ANT1_3-DH1_Hopping



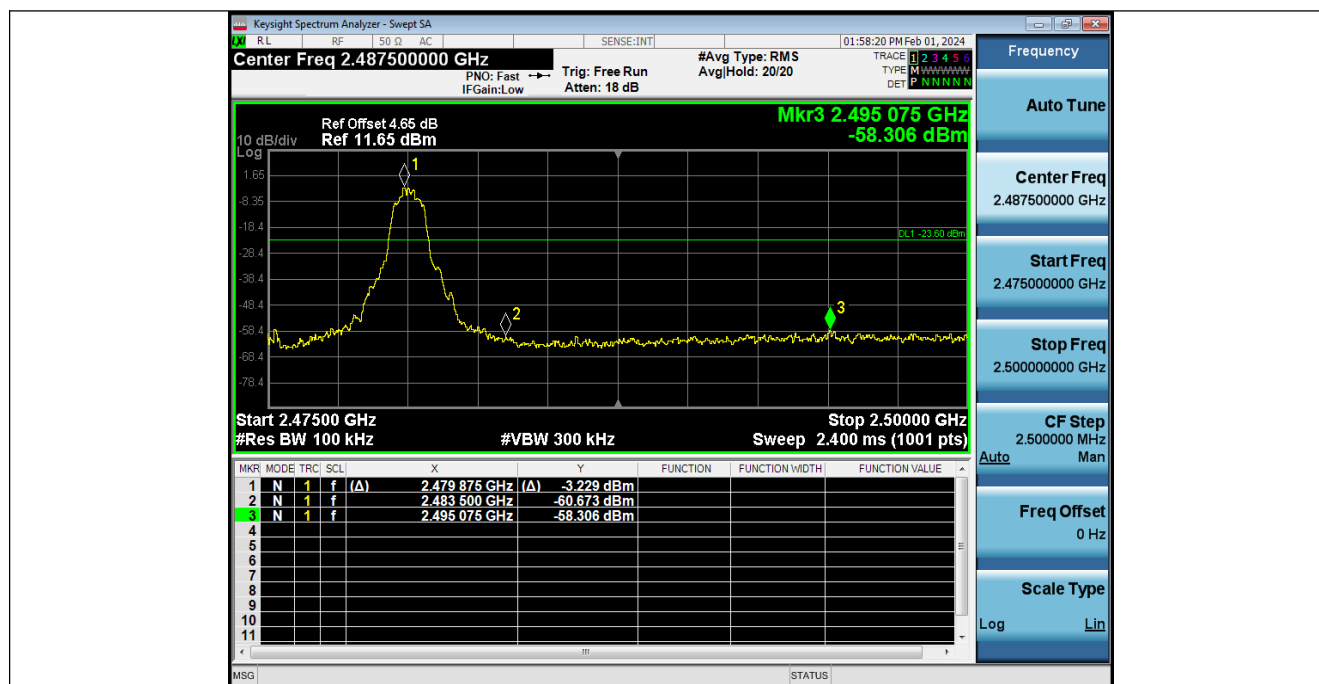
2_Band_Edge_(Hopping)_NVNT_ANT1_3-DH1_Hopping



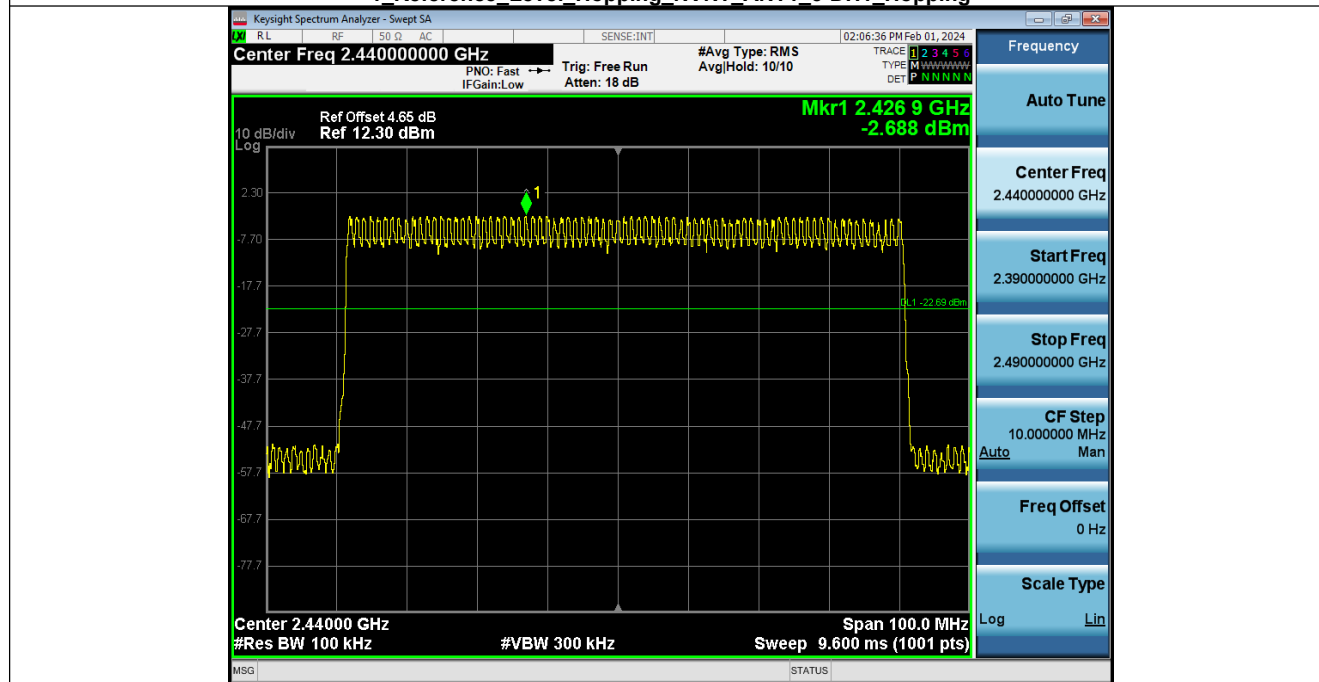
1 Reference_Level_NVNT_ANT1_3-DH1_2480



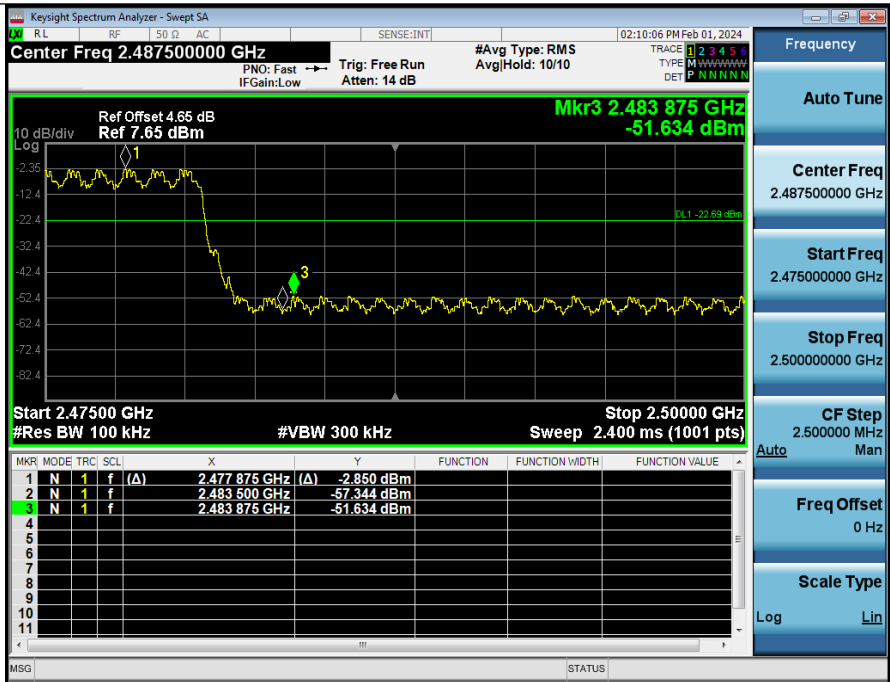
2_Bandedge_NVNT_ANT1_3-DH1_2480



1 Reference_Level_Hopping_NVNT_ANT1_3-DH1_Hopping

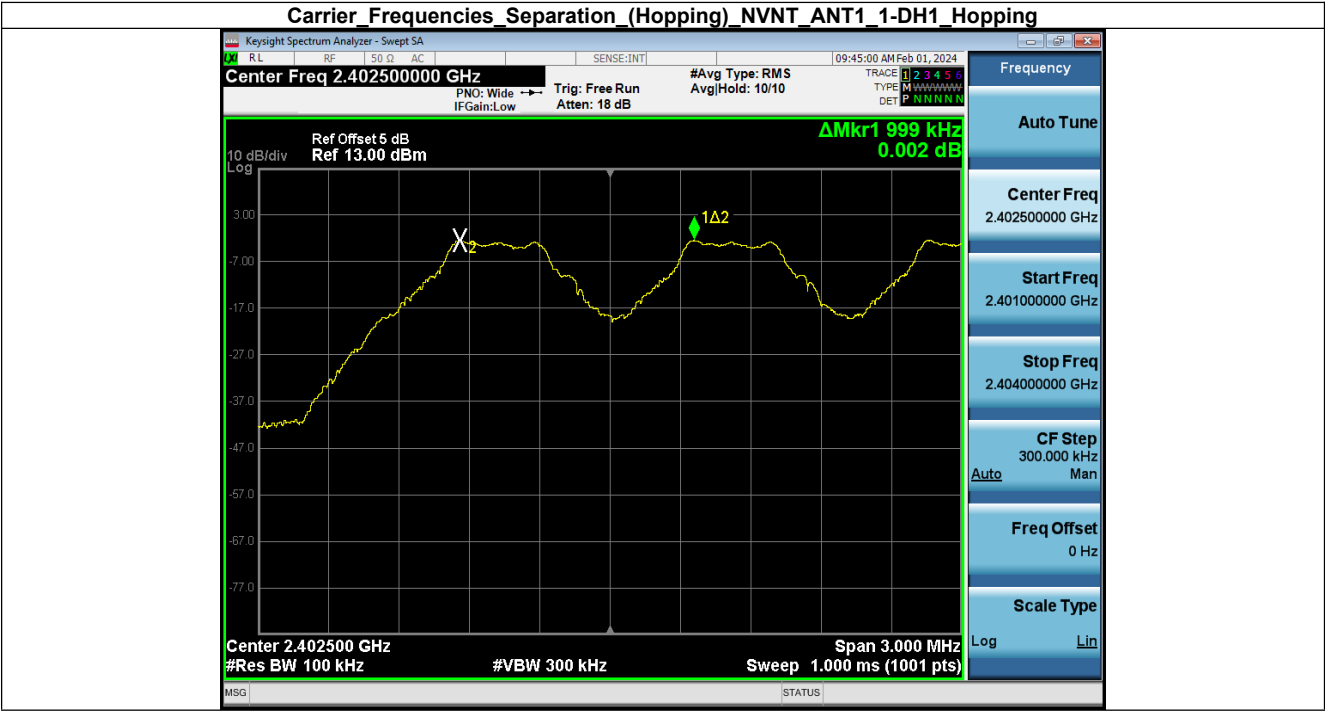


2_Band_Edge_(Hopping)_NVNT_ANT1_3-DH1_Hopping

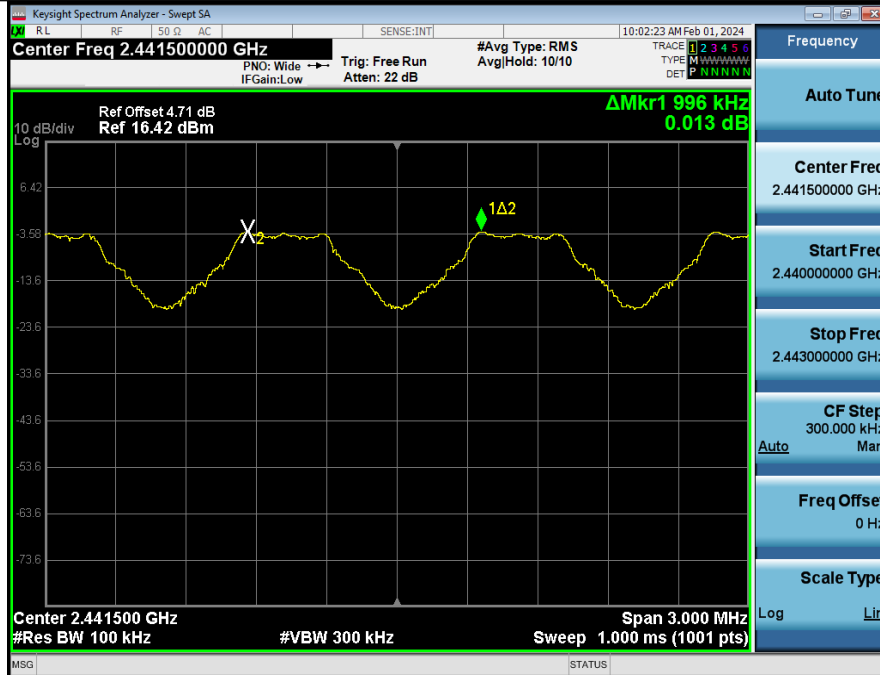


6. Carrier Frequencies Separation (Hopping)

Condition	Antenna	Modulation	Frequency(MHz)	Hopping NO.0 (MHz)	Hopping NO.1 (MHz)	Carrier Frequencies Separation(MHz)	Limit(MHz)	Result
NVNT	ANT1	1-DH1	2402.00	2401.858	2402.857	1.00	0.996	Pass
NVNT	ANT1	1-DH1	2441.00	2440.864	2441.860	1.00	0.689	Pass
NVNT	ANT1	1-DH1	2480.00	2478.864	2479.860	1.00	0.689	Pass
NVNT	ANT1	2-DH1	2402.00	2401.861	2402.857	1.00	0.862	Pass
NVNT	ANT1	2-DH1	2441.00	2440.861	2441.863	1.00	0.861	Pass
NVNT	ANT1	2-DH1	2480.00	2478.861	2479.863	1.00	0.857	Pass
NVNT	ANT1	3-DH1	2402.00	2401.858	2402.857	1.00	0.838	Fail
NVNT	ANT1	3-DH1	2441.00	2440.858	2441.860	1.00	0.836	Pass
NVNT	ANT1	3-DH1	2480.00	2478.861	2479.860	1.00	0.843	Pass



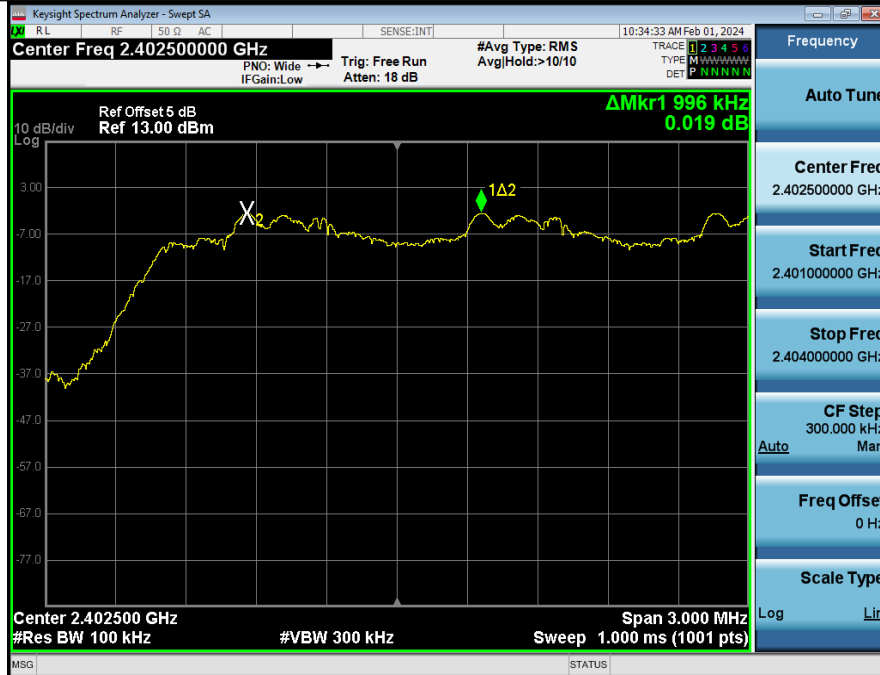
Carrier Frequencies Separation (Hopping) NVNT_ANT1_1-DH1_Hopping



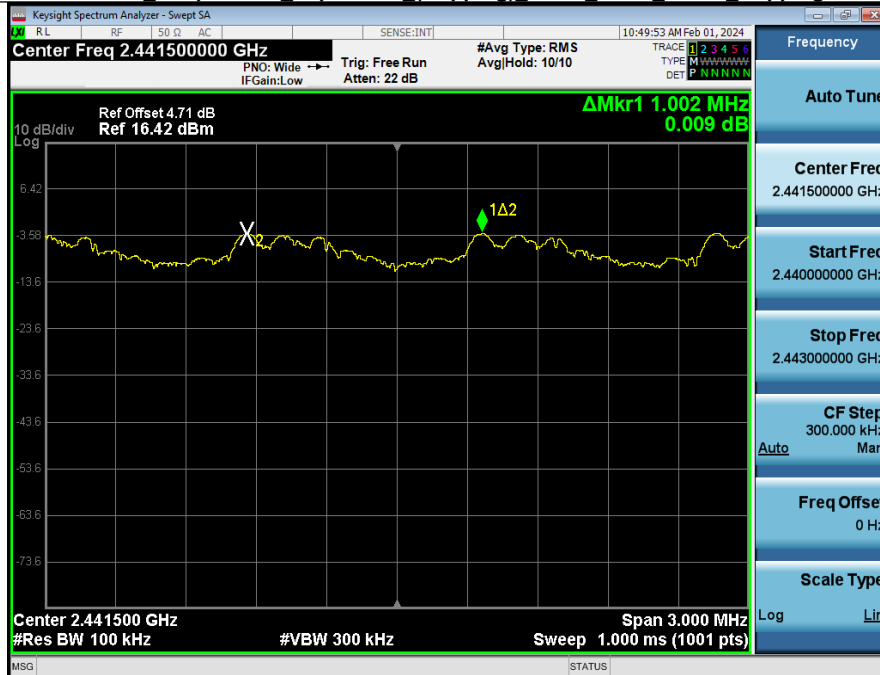
Carrier Frequencies Separation (Hopping) NVNT_ANT1_1-DH1_Hopping



Carrier Frequencies Separation (Hopping) NVNT_ANT1 2-DH1 Hopping



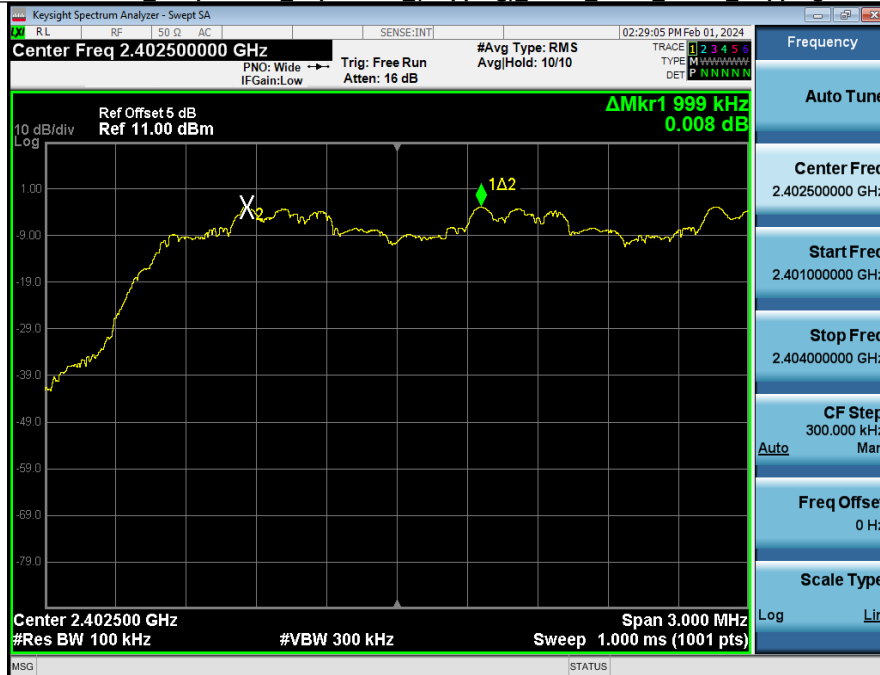
Carrier Frequencies Separation (Hopping) NVNT_ANT1 2-DH1 Hopping



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

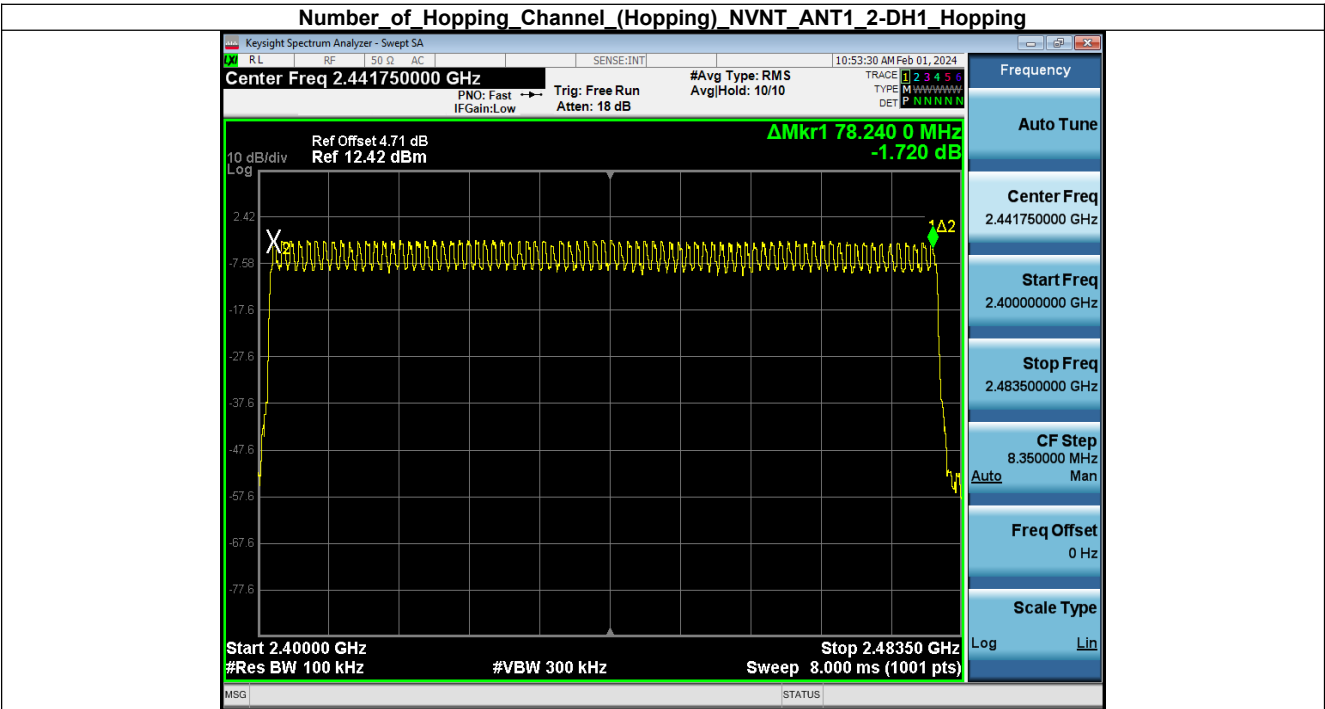
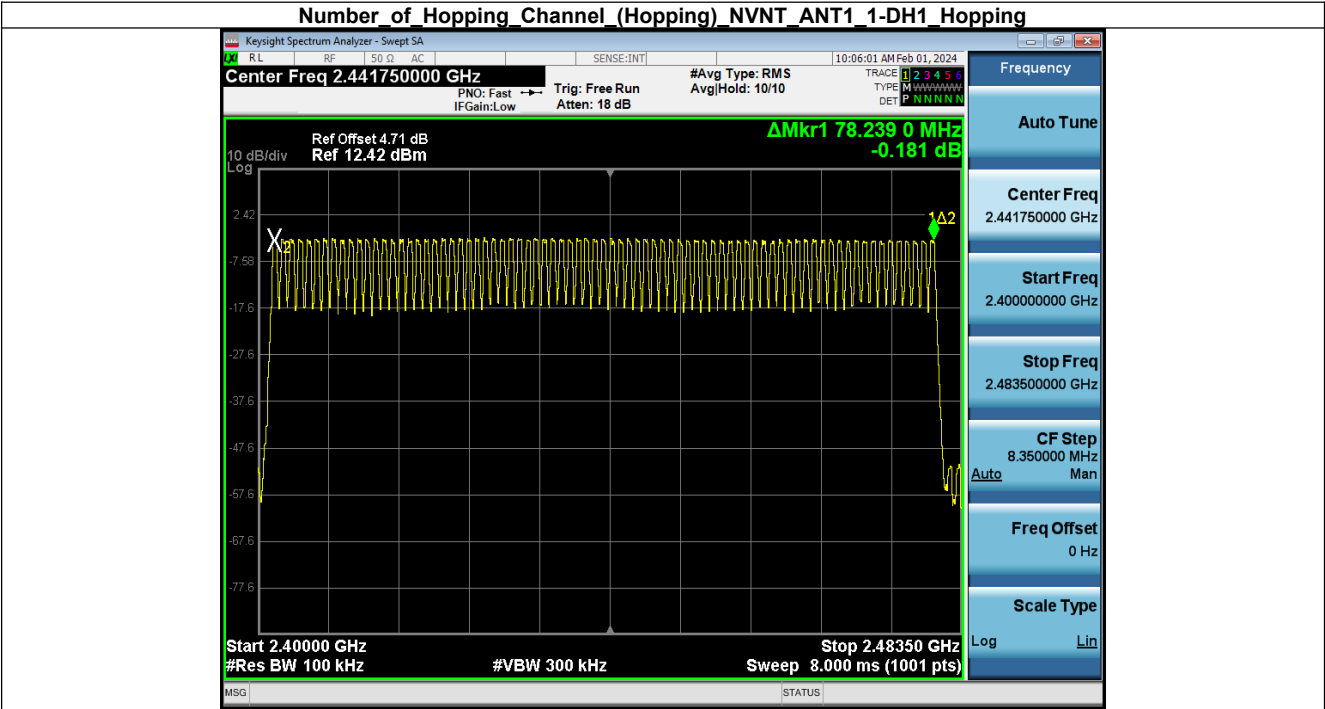


Carrier Frequencies Separation (Hopping) NVNT_ANT1 3-DH1 Hopping

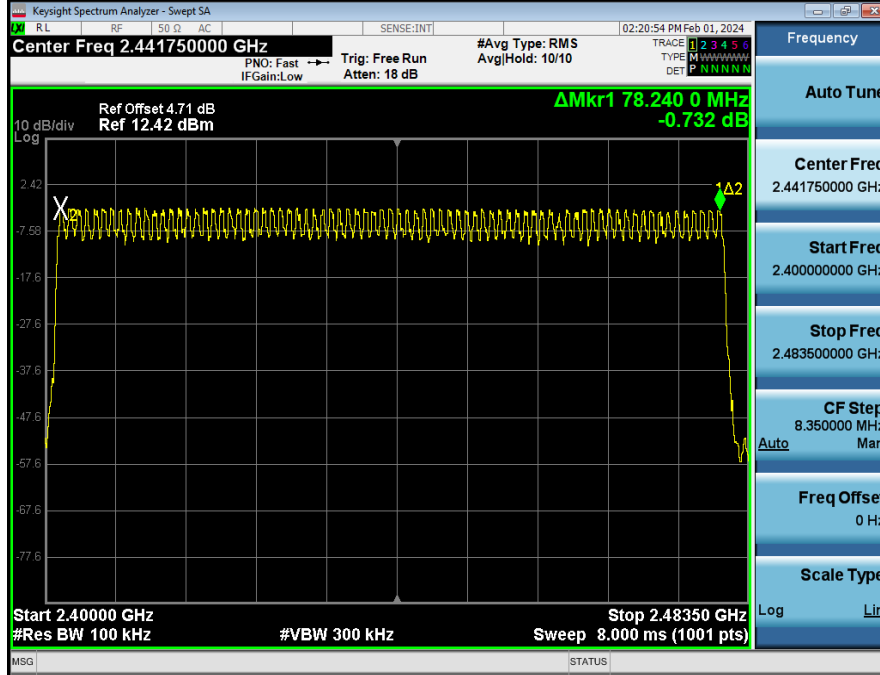


7. Number of Hopping Channel (Hopping)

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

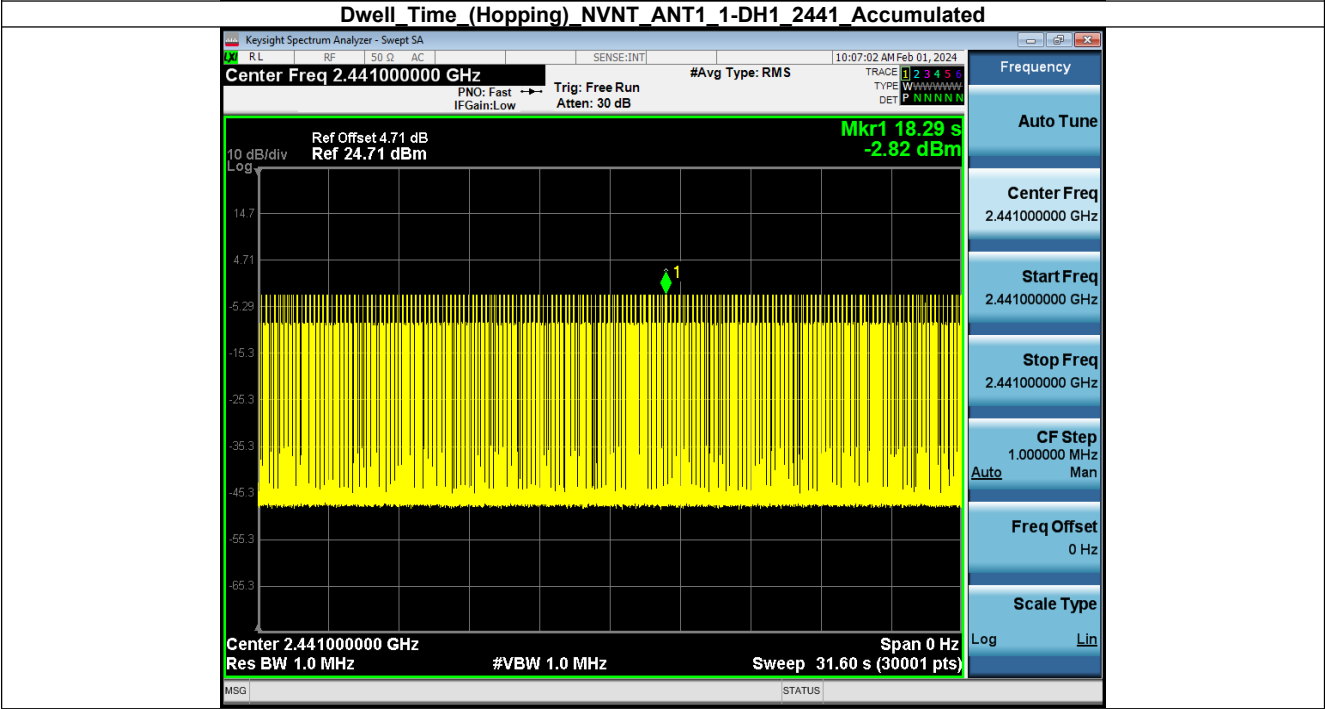
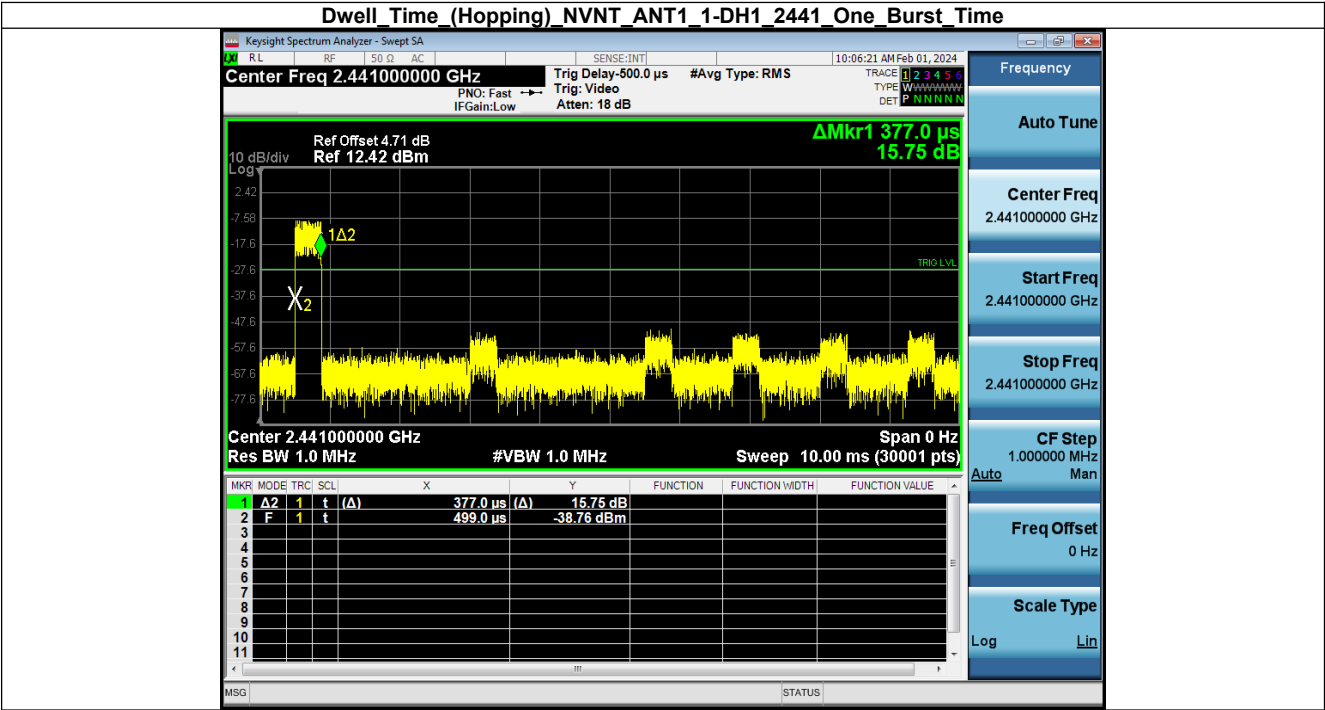


Number_of_Hopping_Channel_(Hopping)_NVNT_ANT1_3-DH1_Hopping

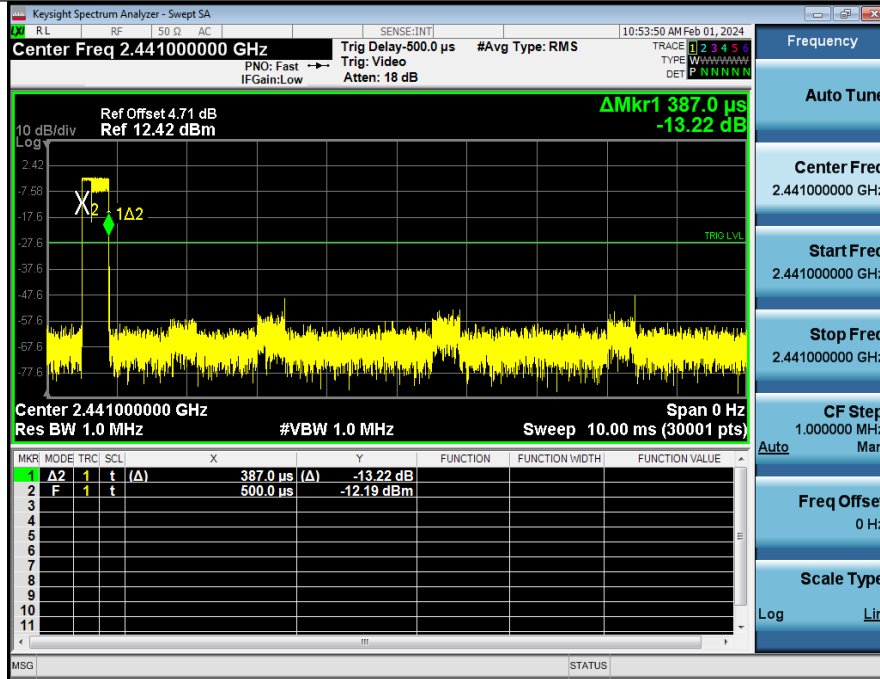


8. Dwell Time (Hopping)

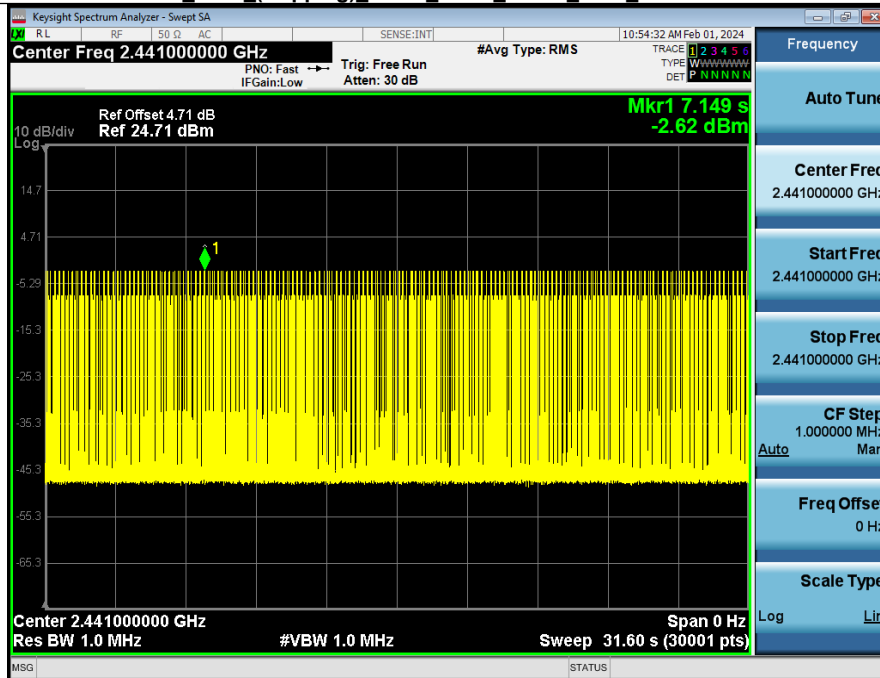
Condition	Antenna	Packet Type	Pulse Time(ms)	Hops	Dwell Time(ms)	Limit(s)	Result
NVNT	ANT1	1-DH1	0.377	317.00	119.509	0.40	Pass
NVNT	ANT1	2-DH1	0.387	320.00	123.840	0.40	Pass
NVNT	ANT1	3-DH1	0.388	319.00	123.772	0.40	Pass
NVNT	ANT1	1-DH3	1.633	159.00	259.647	0.40	Pass
NVNT	ANT1	1-DH5	2.881	112.00	322.672	0.40	Pass
NVNT	ANT1	2-DH3	1.639	167.00	273.713	0.40	Pass
NVNT	ANT1	2-DH5	2.887	96.00	277.152	0.40	Pass
NVNT	ANT1	3-DH3	1.638	152.00	248.976	0.40	Pass
NVNT	ANT1	3-DH5	2.889	122.00	352.458	0.40	Pass



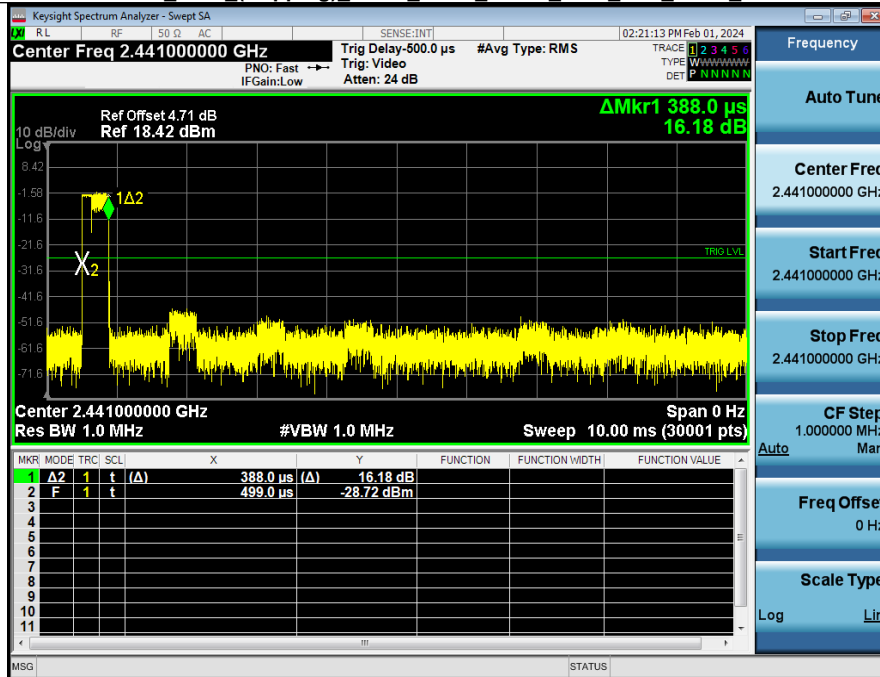
Dwell Time (Hopping) NVNT_ANT1_2-DH1_2441_One_Burst_Time



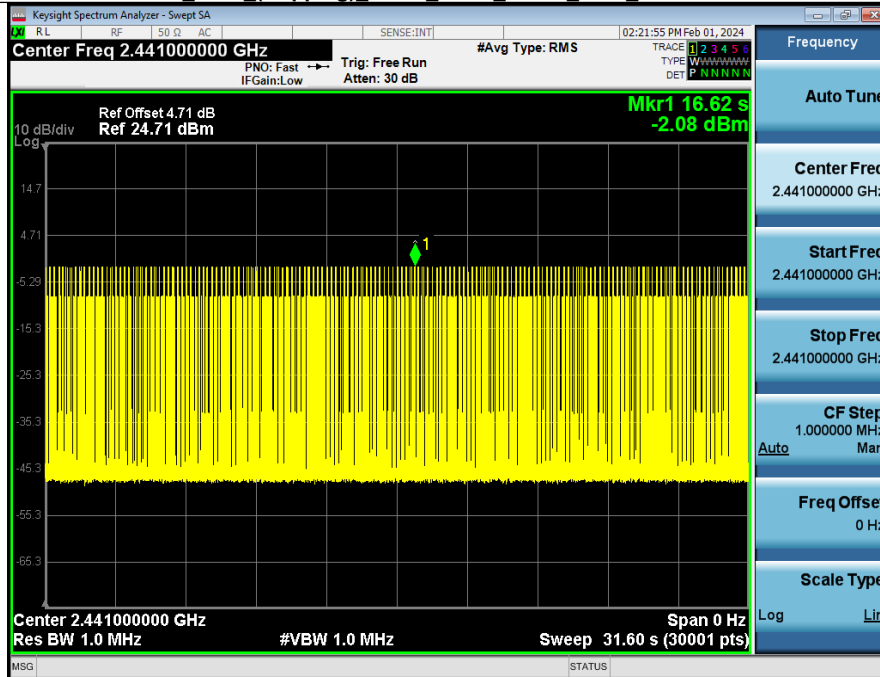
Dwell Time (Hopping) NVNT_ANT1_2-DH1_2441_Accumulated



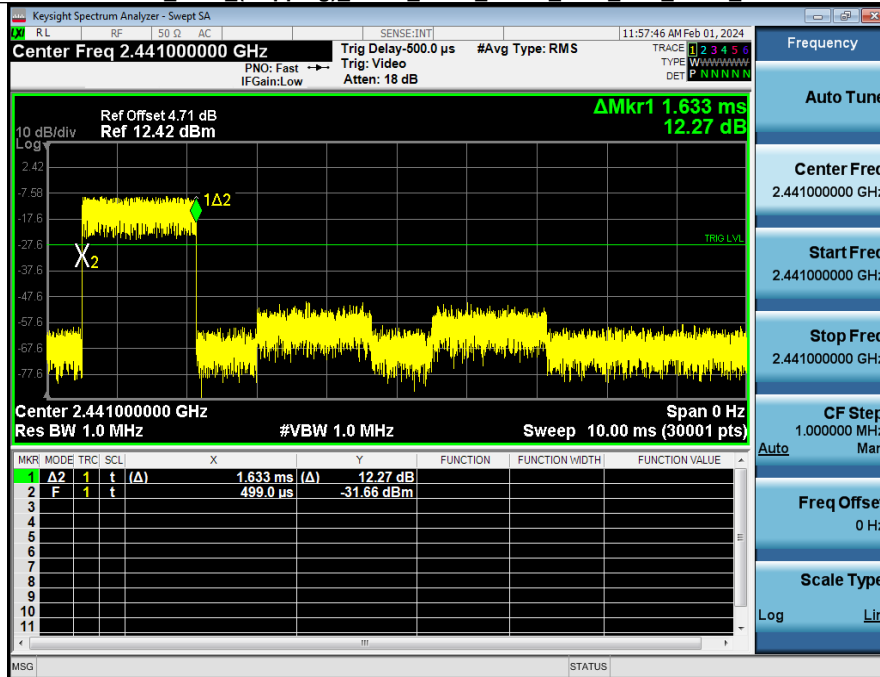
Dwell Time (Hopping) NVNT_ANT1_3-DH1_2441_One_Burst_Time



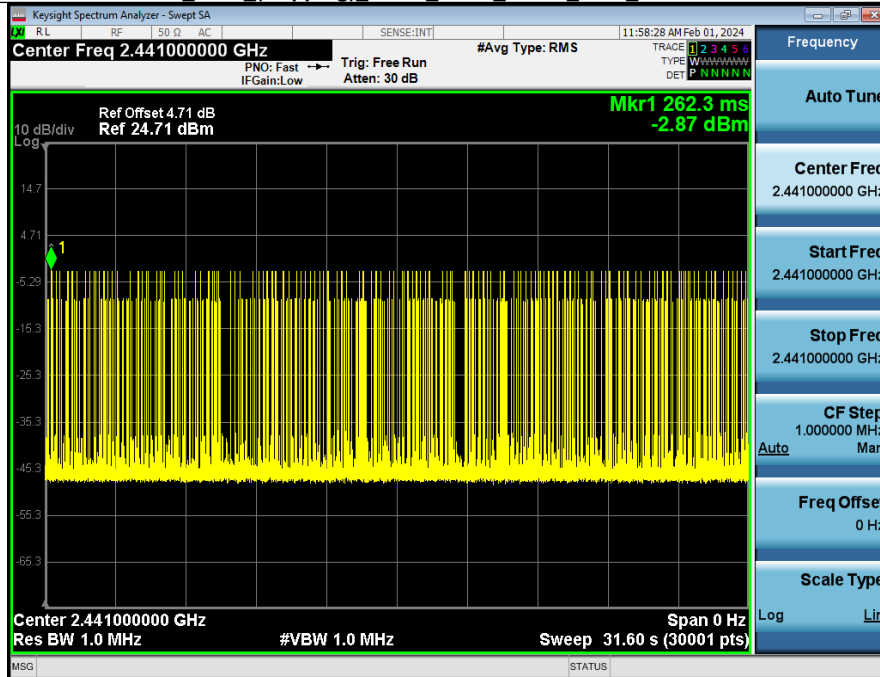
Dwell Time (Hopping) NVNT_ANT1_3-DH1_2441_Accumulated



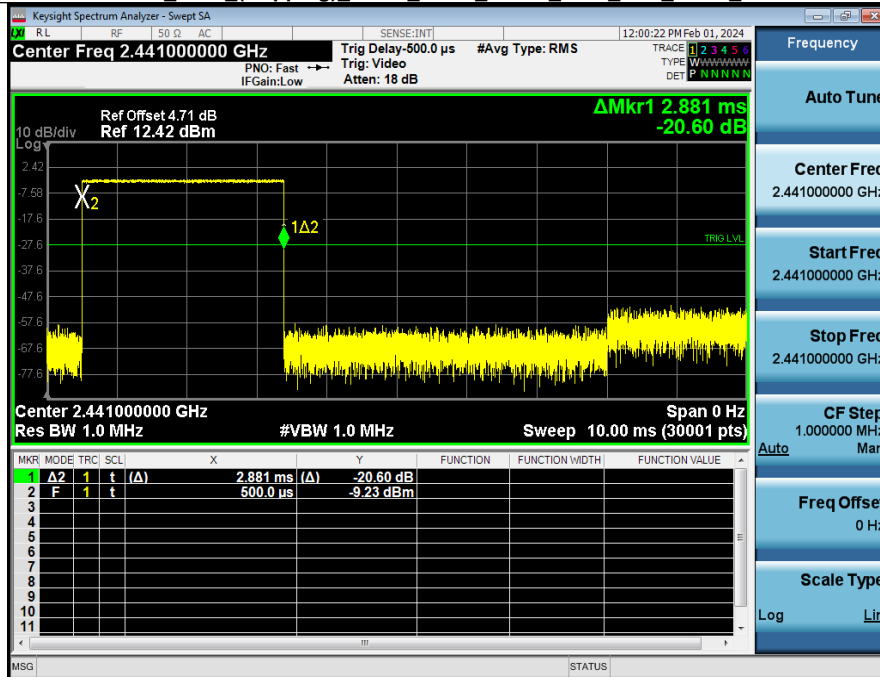
Dwell Time (Hopping) NVNT_ANT1_1-DH3_2441_One_Burst_Time



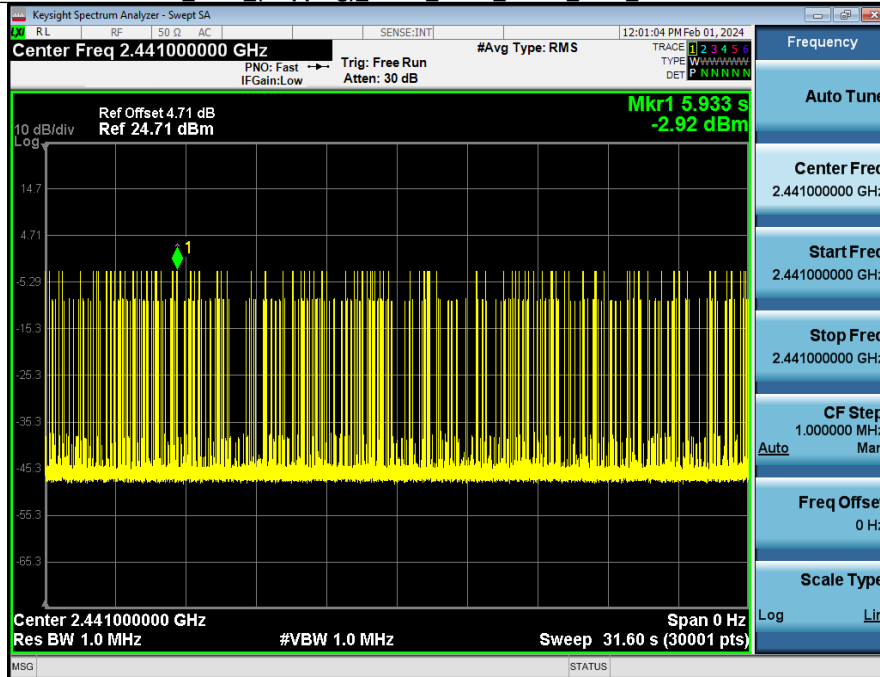
Dwell Time (Hopping) NVNT_ANT1_1-DH3_2441_Accumulated



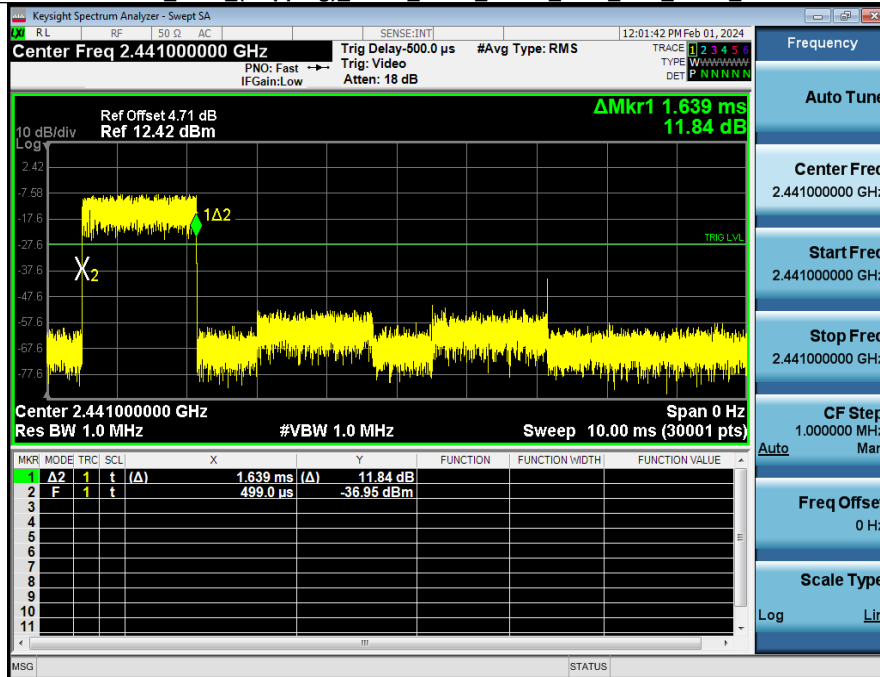
Dwell Time (Hopping) NVNT_ANT1_1-DH5_2441_One_Burst_Time



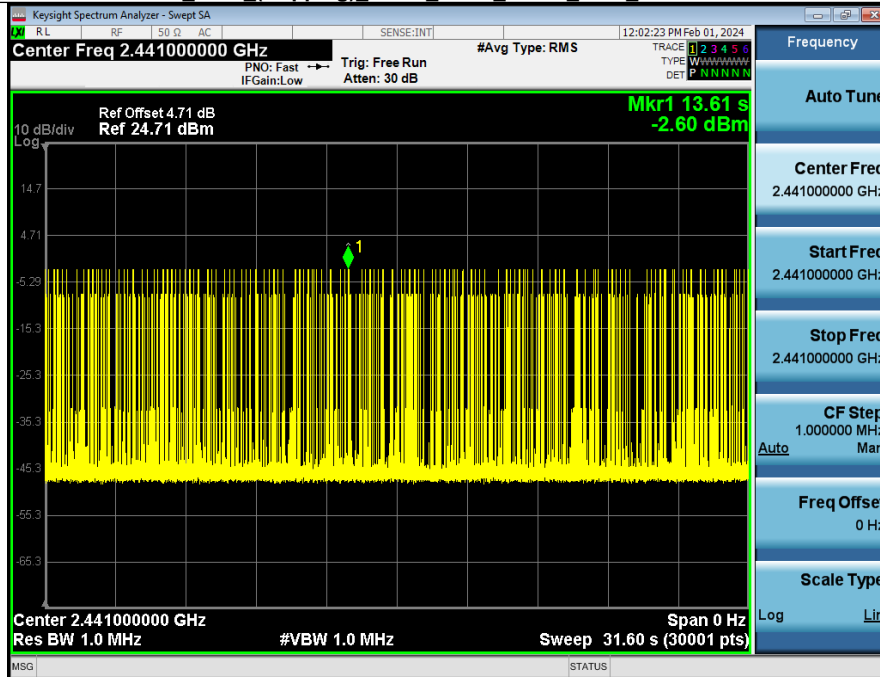
Dwell Time (Hopping) NVNT_ANT1_1-DH5_2441_Accumulated



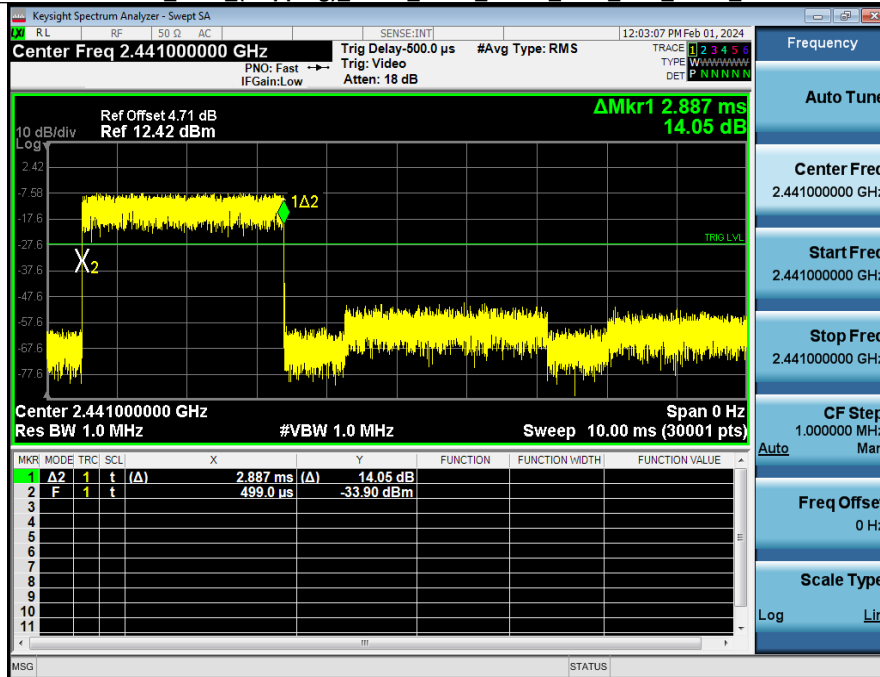
Dwell Time (Hopping) NVNT_ANT1_2-DH3_2441_One_Burst_Time



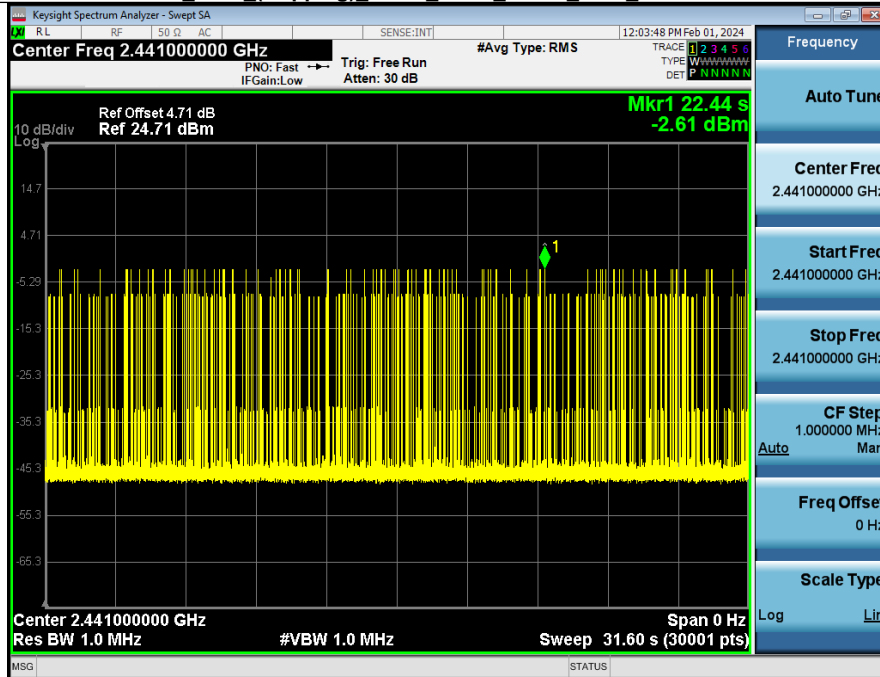
Dwell Time (Hopping) NVNT_ANT1_2-DH3_2441_Accumulated



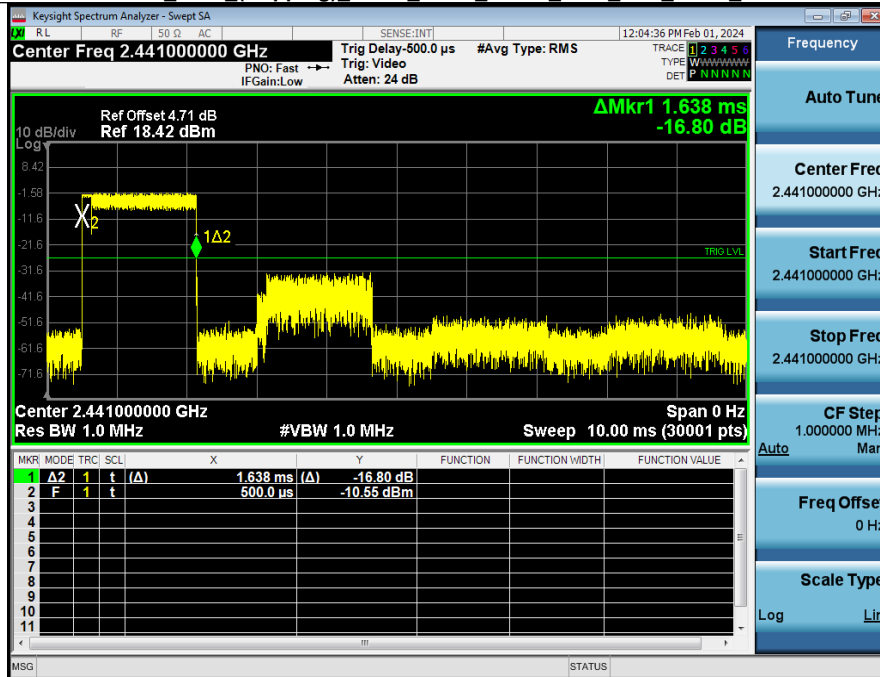
Dwell Time (Hopping) NVNT_ANT1_2-DH5_2441_One_Burst_Time



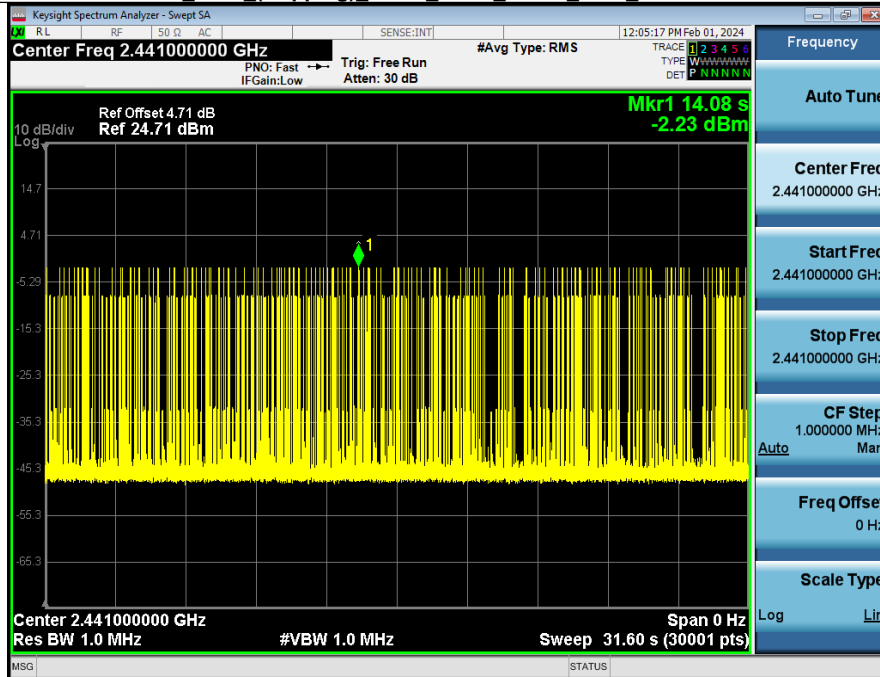
Dwell Time (Hopping) NVNT_ANT1_2-DH5_2441_Accumulated



Dwell Time (Hopping) NVNT_ANT1_3-DH3_2441_One_Burst_Time



Dwell Time (Hopping) NVNT_ANT1_3-DH3_2441_Accumulated



Key Measurement Data:

Parameter	Value
Center Freq	2.441000000 GHz
Res BW	1.0 MHz
#VBW	1.0 MHz
Sweep	10.00 ms (30001 pts)
Span	0 Hz
Trig Delay	500.0 μs
Trig Type	RMS
Attenuation	18 dB
Ref Offset	4.71 dB
Ref Level	12.42 dBm
ΔMkr1	2.889 ms
ΔLvl	14.08 dB

Table 1: Marker Data

MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	ΔZ	1	t	(A)	2.889 ms 499.0 μs	(A) -36.87 dBm		
2	F	1	t					

Keysight Spectrum Analyzer - Swept SA

RL RF SO D AC SENSE:INT 12:06:37 PM Feb 01, 2024

Center Freq 2.441000000 GHz #Avg Type: RMS

PNO: Fast Trg: Free Run TYPE W W W W W W W W
IFGain: Low Atten: 30 dB DET P N N N N N N

Ref Offset 4.71 dB Mkr1 25.84 s
Ref 24.71 dBm -2.28 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)