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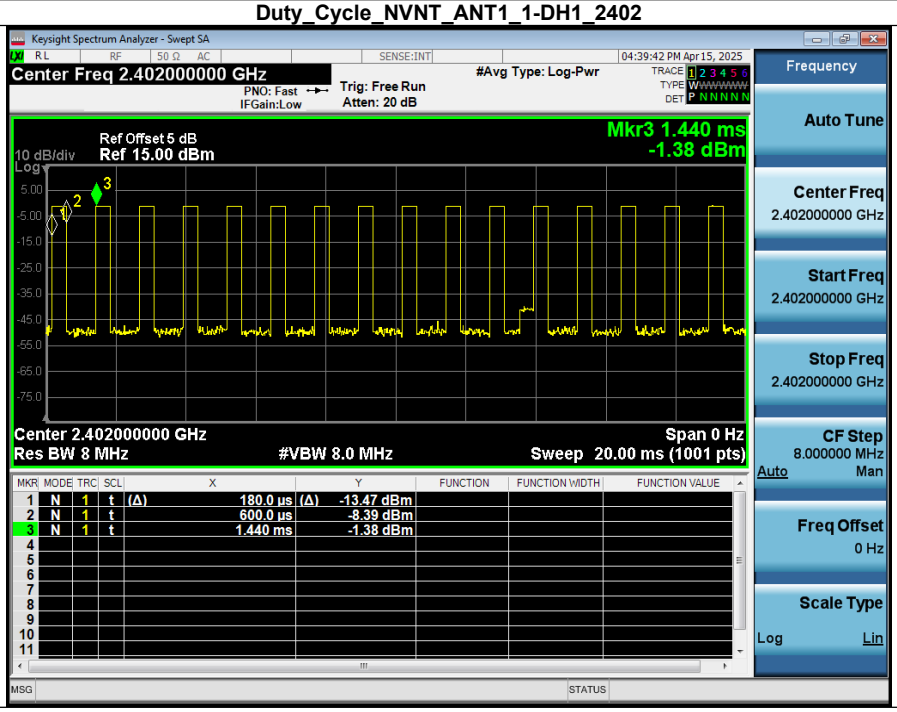
Report No.:NCT25015536XE1-1
FCC ID:2AOKX-TS695N
FCC_BT (Part15.247) Test Data

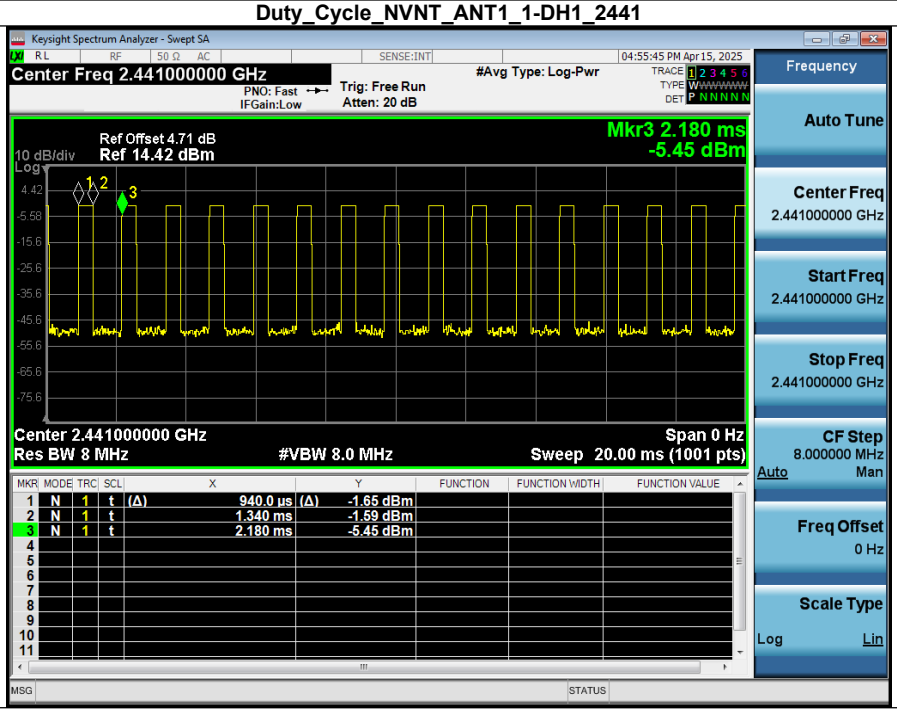
1. Duty Cycle

Condition	Antenna	Rate	Frequency (MHz)	Dutycycle(%)	Duty_factor
NVNT	ANT1	1-DH1	2402.00	33.33	4.77
NVNT	ANT1	1-DH1	2441.00	33.87	4.70
NVNT	ANT1	1-DH1	2480.00	33.33	4.77
NVNT	ANT1	2-DH1	2402.00	33.87	4.70
NVNT	ANT1	2-DH1	2441.00	34.92	4.57
NVNT	ANT1	2-DH1	2480.00	33.33	4.77
NVNT	ANT1	3-DH1	2402.00	33.87	4.70
NVNT	ANT1	3-DH1	2441.00	33.33	4.77
NVNT	ANT1	3-DH1	2480.00	34.92	4.57

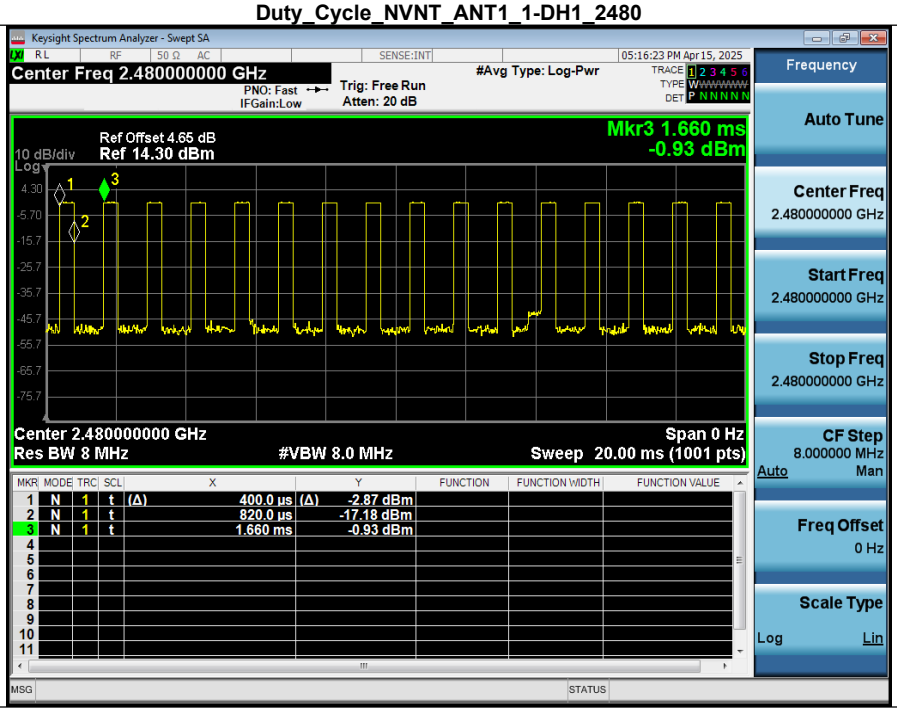
Duty_Cycle_NVNT_ANT1_1-DH1_2402



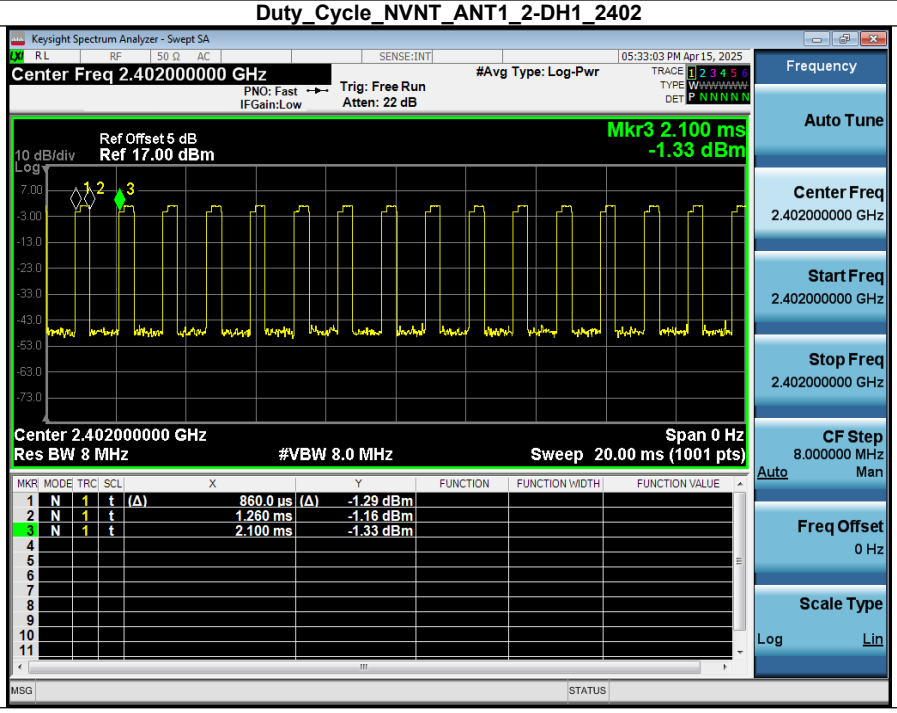
Duty_Cycle_NVNT_ANT1_1-DH1_2441



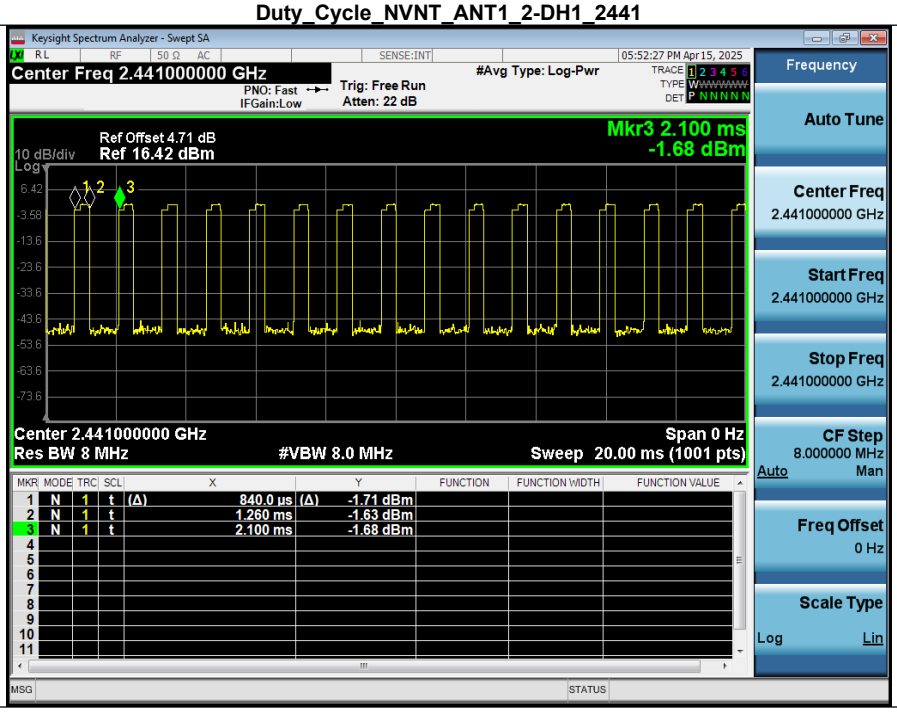
Duty_Cycle_NVNT_ANT1_1-DH1_2480



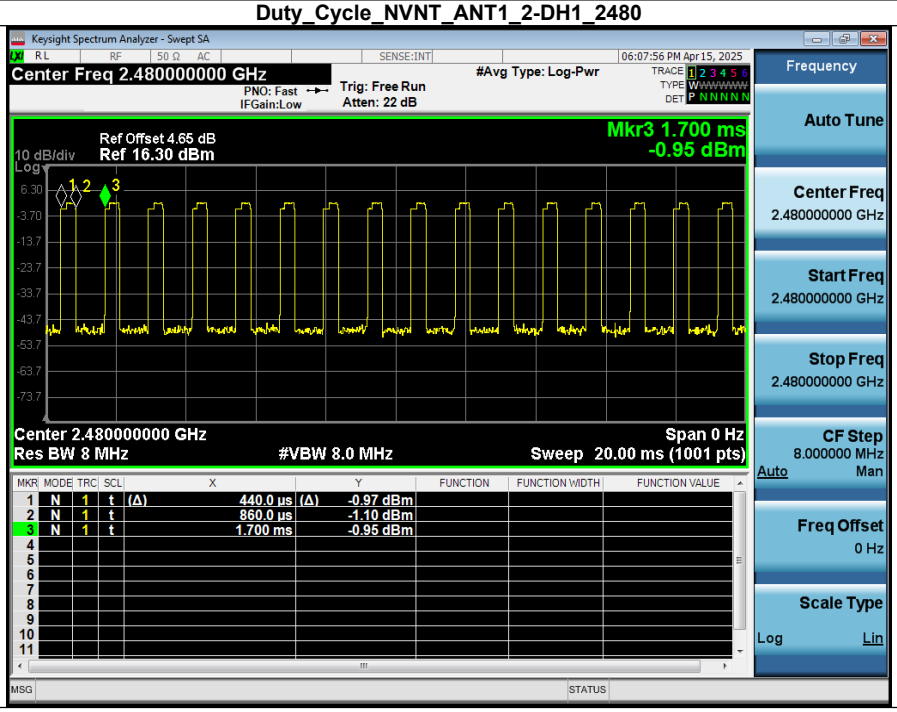
Duty_Cycle_NVNT_ANT1_2-DH1_2402



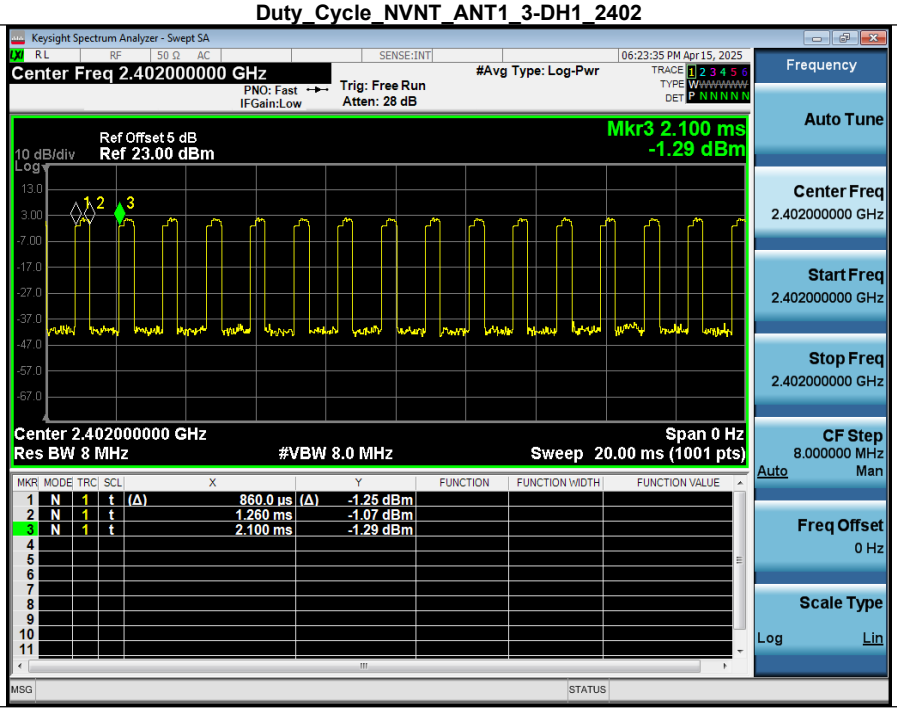
Duty_Cycle_NVNT_ANT1_2-DH1_2441



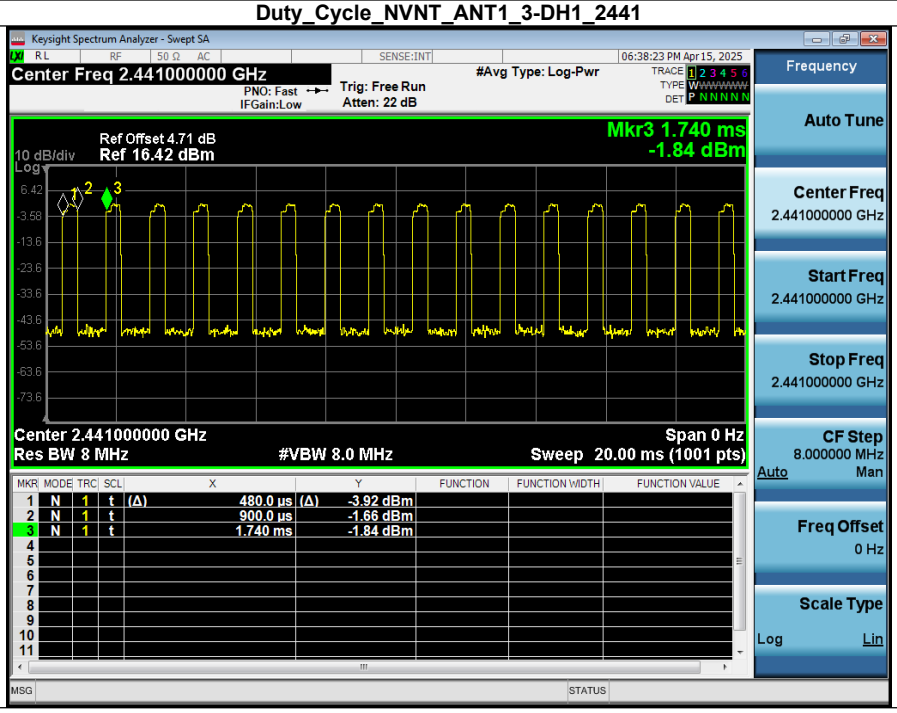
Duty_Cycle_NVNT_ANT1_2-DH1_2480



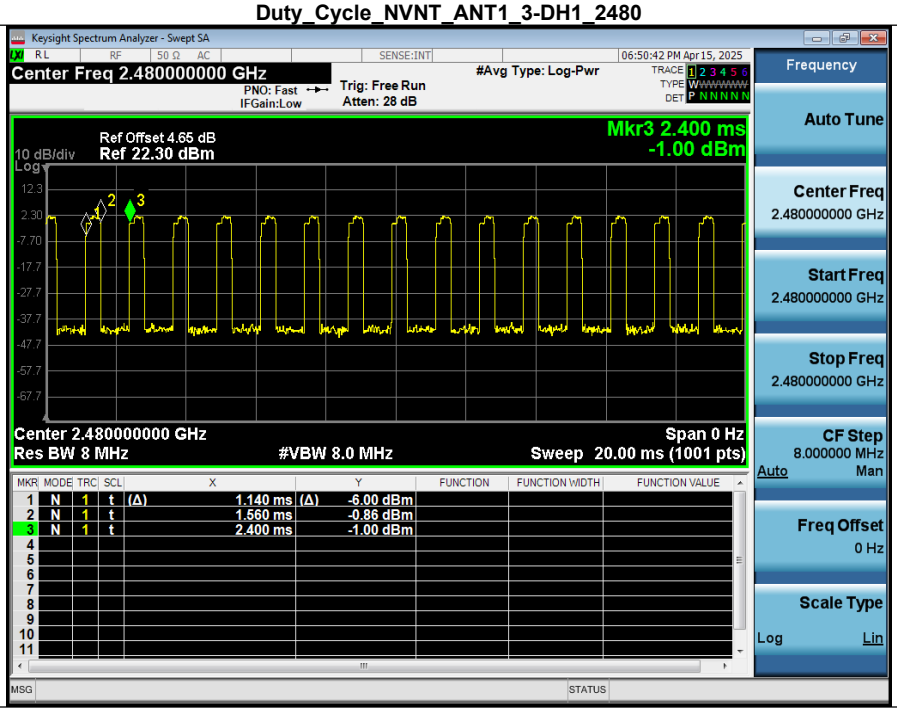
Duty_Cycle_NVNT_ANT1_3-DH1_2402



Duty_Cycle_NVNT_ANT1_3-DH1_2441



Duty_Cycle_NVNT_ANT1_3-DH1_2480



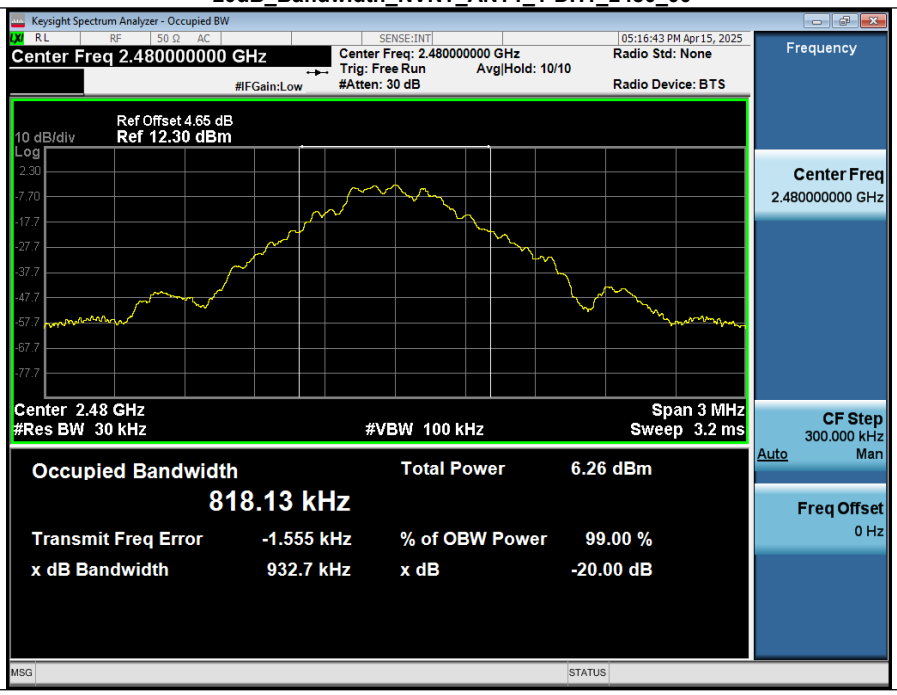
2. -20dB Bandwidth

Condition	Antenna	Modulation	Frequency (MHz)	-20dB BW(MHz)	if larger than CFS
NVNT	ANT1	1-DH1	2402.00	0.933	No
NVNT	ANT1	1-DH1	2441.00	0.932	No
NVNT	ANT1	1-DH1	2480.00	0.933	No
NVNT	ANT1	2-DH1	2402.00	1.301	Yes
NVNT	ANT1	2-DH1	2441.00	1.302	Yes
NVNT	ANT1	2-DH1	2480.00	1.302	Yes
NVNT	ANT1	3-DH1	2402.00	1.236	Yes
NVNT	ANT1	3-DH1	2441.00	1.235	Yes
NVNT	ANT1	3-DH1	2480.00	1.236	Yes

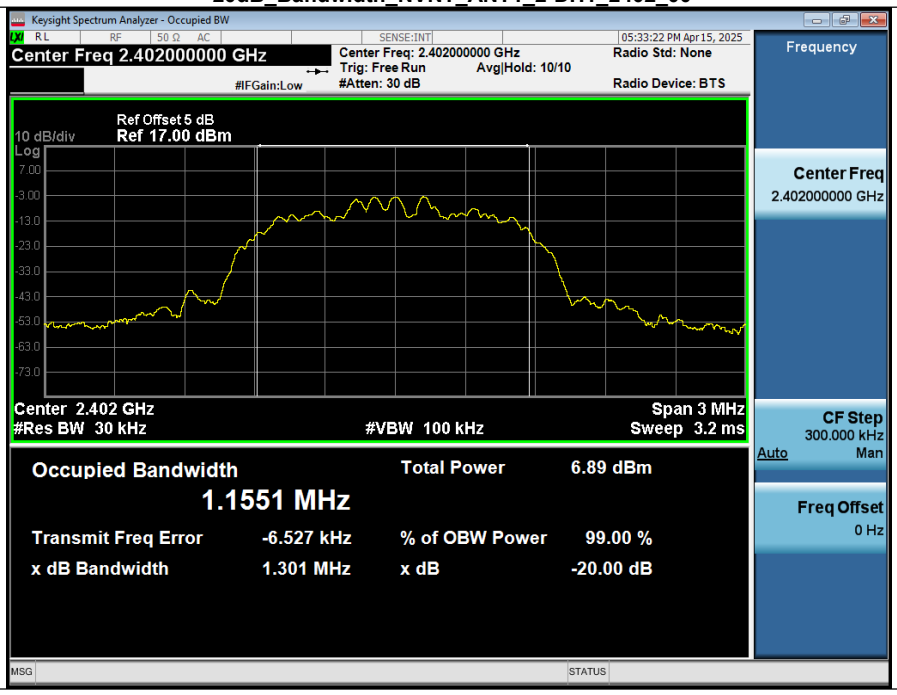
-20dB_Bandwidth_NVNT_ANT1_1-DH1_2402_00

-20dB_Bandwidth_NVNT_ANT1_1-DH1_2441_00

-20dB_Bandwidth_NVNT_ANT1_1-DH1_2480_00

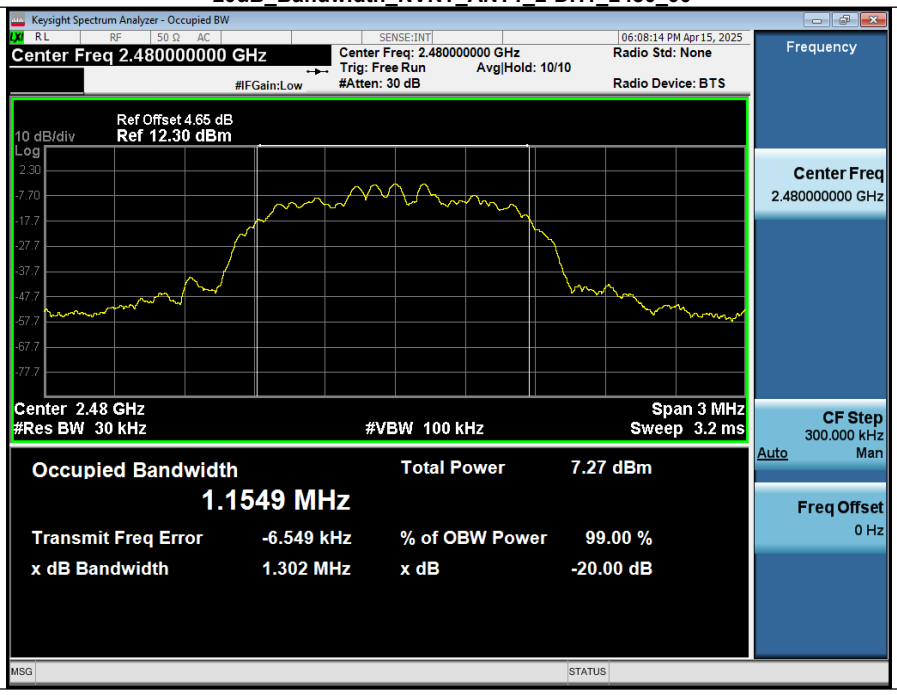


-20dB_Bandwidth_NVNT_ANT1_2-DH1_2402_00



-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

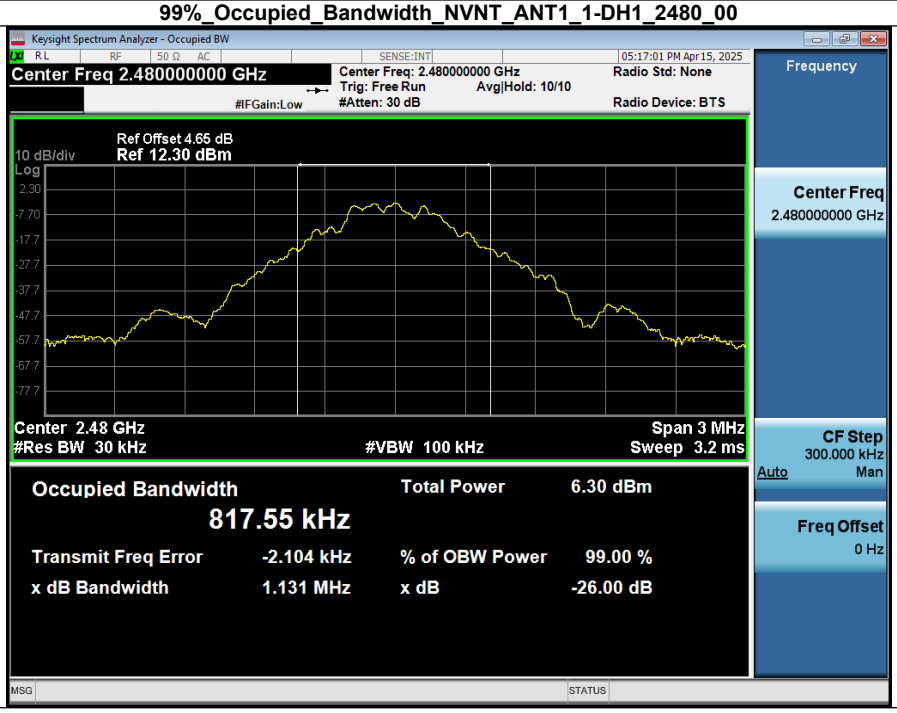
3. 99% Occupied Bandwidth

Condition	Antenna	Modulation	Frequency (MHz)	99%%BW(MHz)
NVNT	ANT1	1-DH1	2402.00	0.819
NVNT	ANT1	1-DH1	2441.00	0.818
NVNT	ANT1	1-DH1	2480.00	0.818
NVNT	ANT1	2-DH1	2402.00	1.155
NVNT	ANT1	2-DH1	2441.00	1.156
NVNT	ANT1	2-DH1	2480.00	1.155
NVNT	ANT1	3-DH1	2402.00	1.139
NVNT	ANT1	3-DH1	2441.00	1.139
NVNT	ANT1	3-DH1	2480.00	1.139

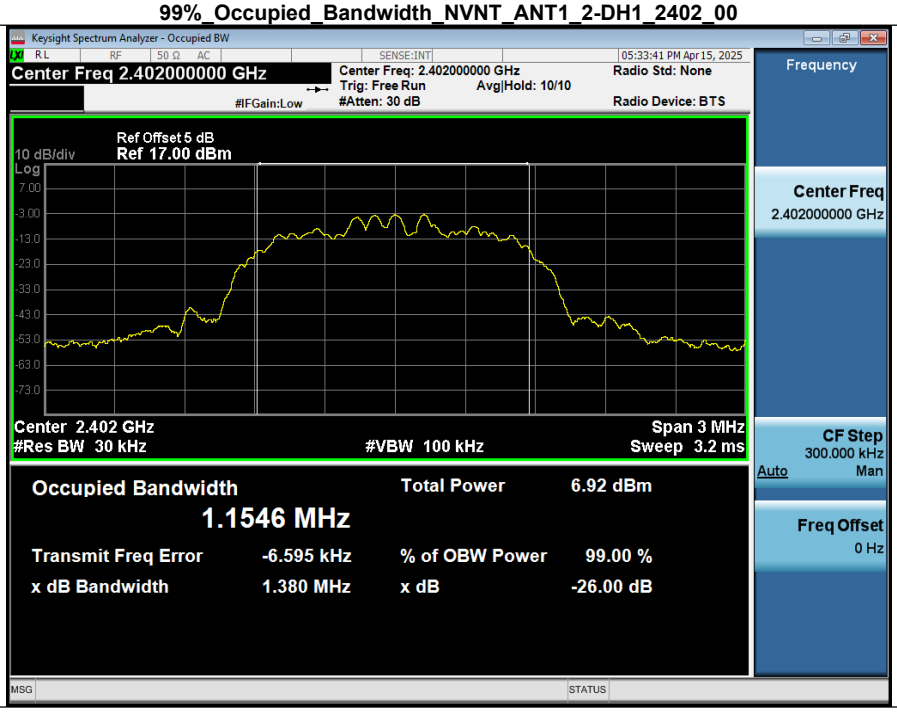
99%_Occupied_Bandwidth_NVNT_ANT1_1-DH1_2402_00

99%_Occupied_Bandwidth_NVNT_ANT1_1-DH1_2441_00

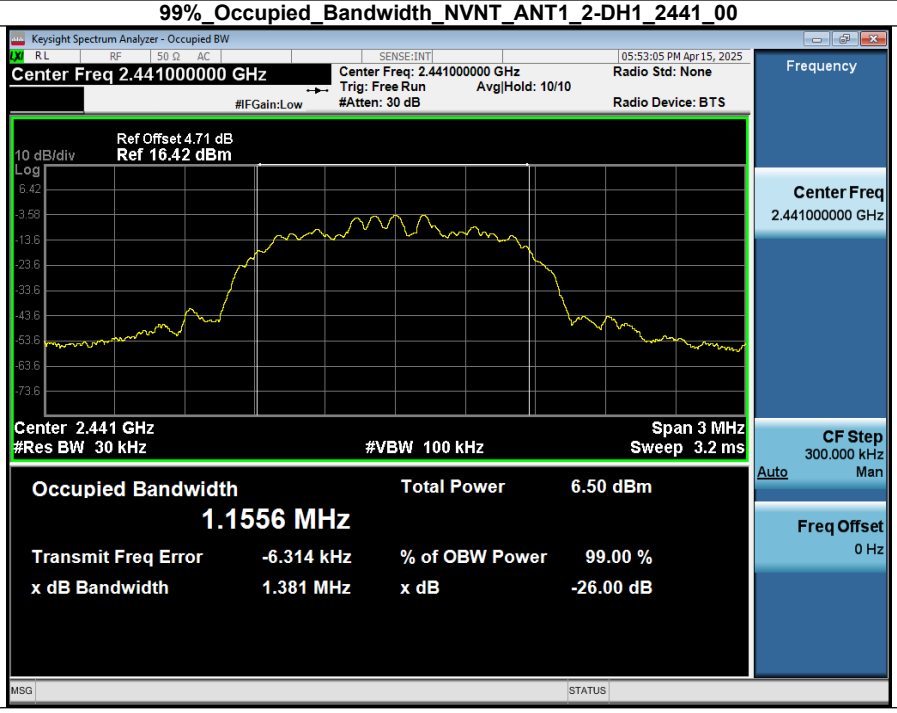
99%_Occupied_Bandwidth_NVNT_ANT1_1-DH1_2480_00



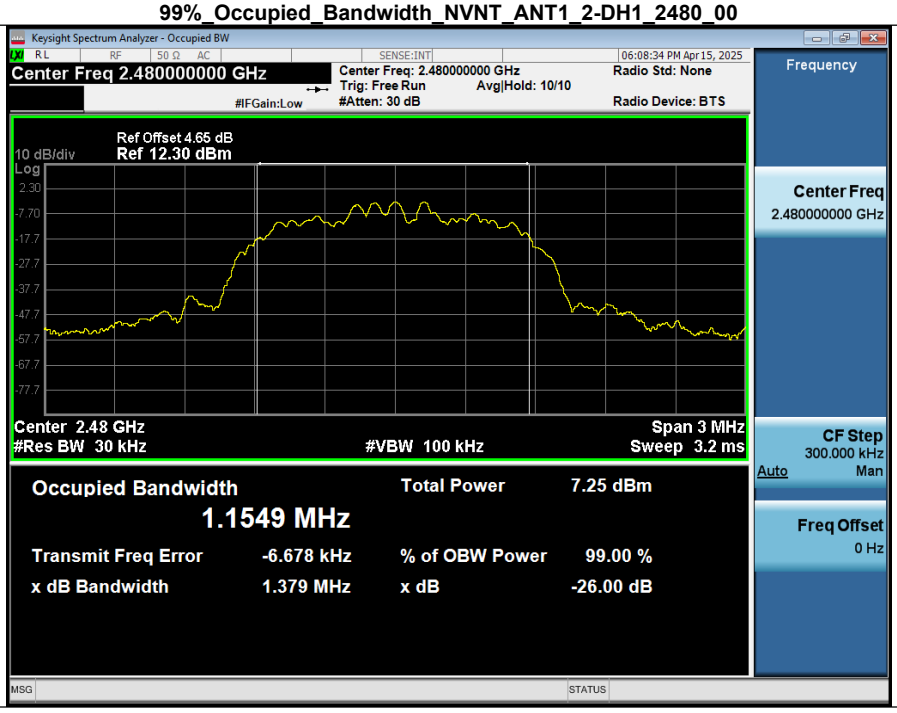
99%_Occupied_Bandwidth_NVNT_ANT1_2-DH1_2402_00



99%_Occupied_Bandwidth_NVNT_ANT1_2-DH1_2441_00

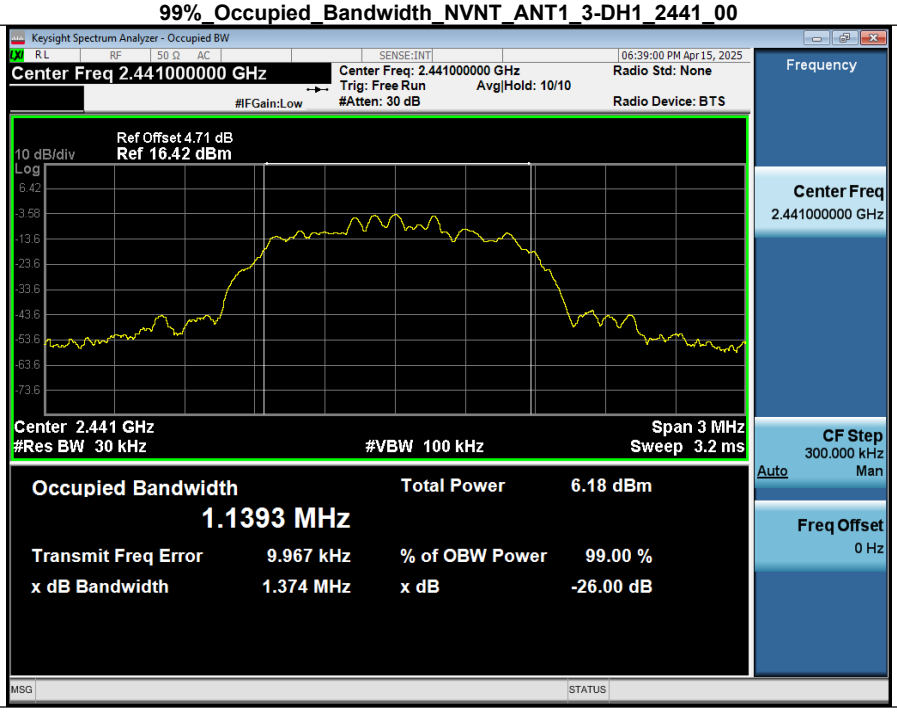


99%_Occupied_Bandwidth_NVNT_ANT1_2-DH1_2480_00



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

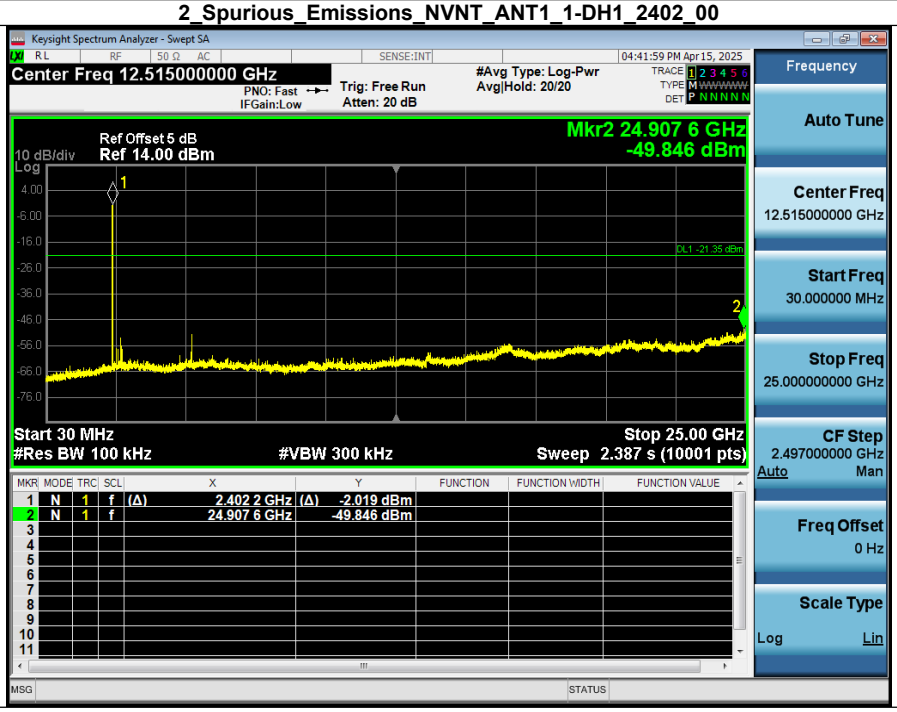
Condition	Antenna	Modulation	Frequency (MHz)	Max. Conducted Power(dBm)	Max. Conducted Power(mW)	Limit(mW)	Result
NVNT	ANT1	1-DH1	2402.00	-1.21	0.76	1000	Pass
NVNT	ANT1	1-DH1	2441.00	-1.54	0.70	1000	Pass
NVNT	ANT1	1-DH1	2480.00	-0.83	0.83	1000	Pass
NVNT	ANT1	2-DH1	2402.00	1.07	1.28	125	Pass
NVNT	ANT1	2-DH1	2441.00	0.65	1.16	125	Pass
NVNT	ANT1	2-DH1	2480.00	1.46	1.40	125	Pass
NVNT	ANT1	3-DH1	2402.00	1.80	1.51	125	Pass
NVNT	ANT1	3-DH1	2441.00	1.25	1.33	125	Pass
NVNT	ANT1	3-DH1	2480.00	2.04	1.60	125	Pass

5. Spurious Emissions

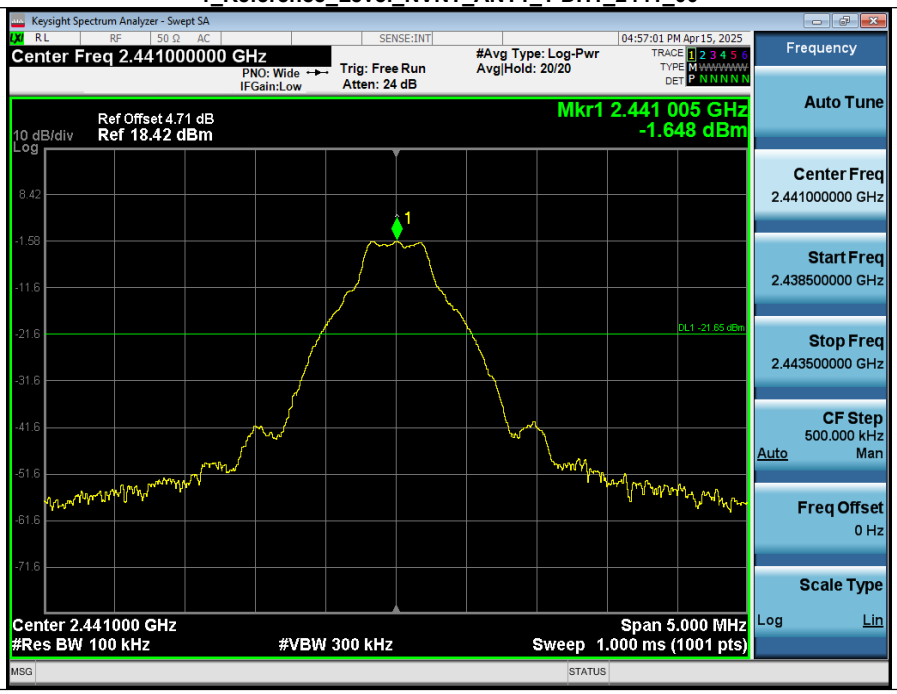
Condition	Antenna	Modulation	TX Mode	Ref_level(dBm)	Spurious MAX.Value(dBm)	Limit	Result
NVNT	ANT1	1-DH1	2402.00	-1.348	-49.846	-21.348	Pass
NVNT	ANT1	1-DH1	2441.00	-1.648	-41.144	-21.648	Pass
NVNT	ANT1	1-DH1	2480.00	-0.919	-55.022	-20.919	Pass
NVNT	ANT1	2-DH1	2402.00	-1.307	-37.771	-21.307	Pass
NVNT	ANT1	2-DH1	2441.00	-1.677	-50.937	-21.677	Pass
NVNT	ANT1	2-DH1	2480.00	-0.956	-54.686	-20.956	Pass
NVNT	ANT1	3-DH1	2402.00	-1.271	-41.624	-21.271	Pass
NVNT	ANT1	3-DH1	2441.00	-1.810	-45.484	-21.810	Pass
NVNT	ANT1	3-DH1	2480.00	-0.999	-42.420	-20.999	Pass

1_Reference_Level_NVNT_ANT1_1-DH1_2402_00

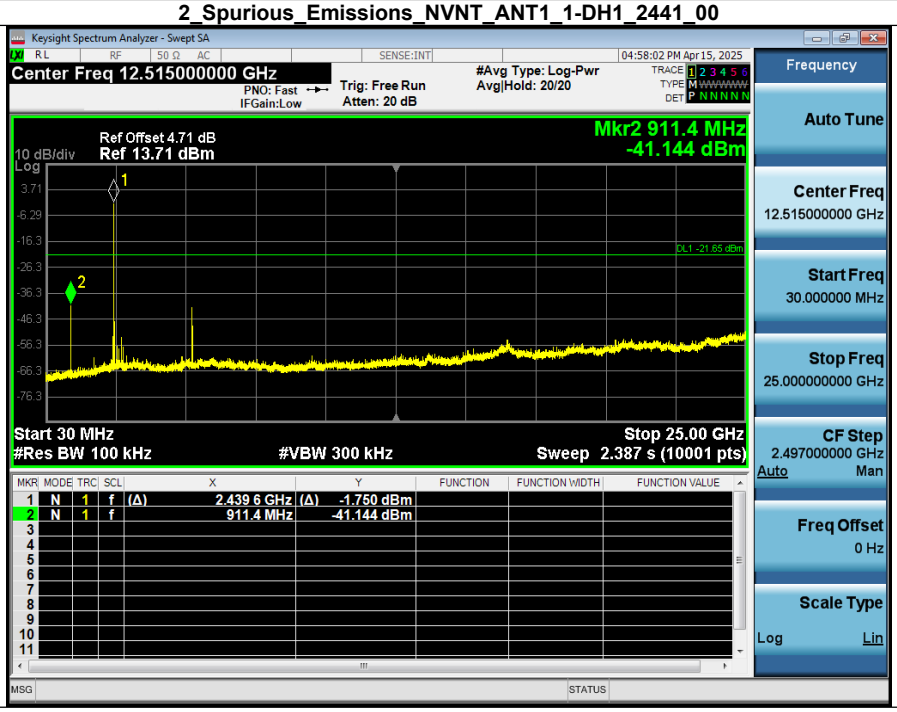
2_Spurious_Emissions_NVNT_ANT1_1-DH1_2402_00



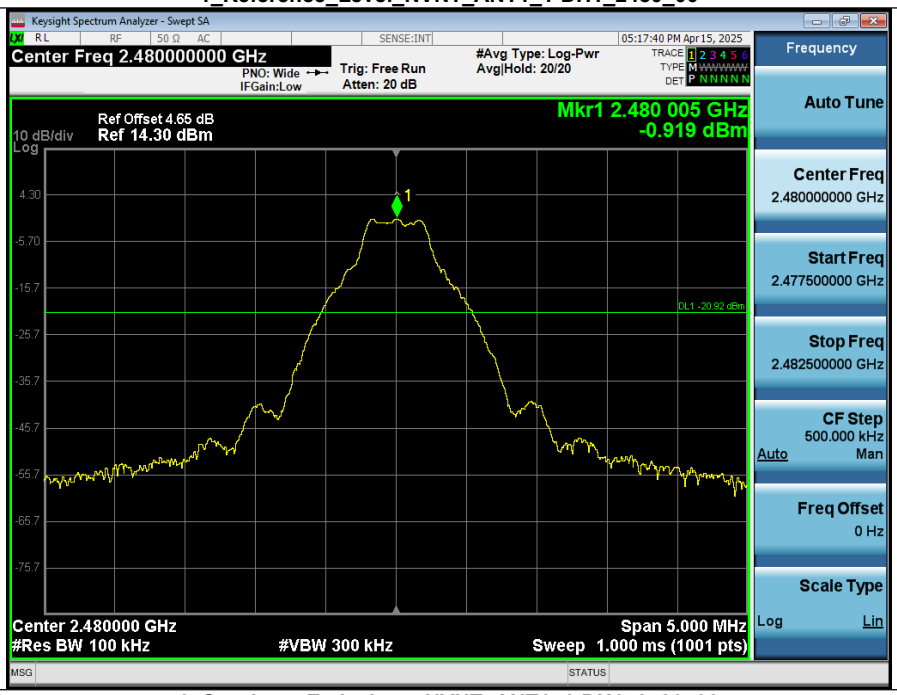
1_Reference_Level_NVNT_ANT1_1-DH1_2441_00



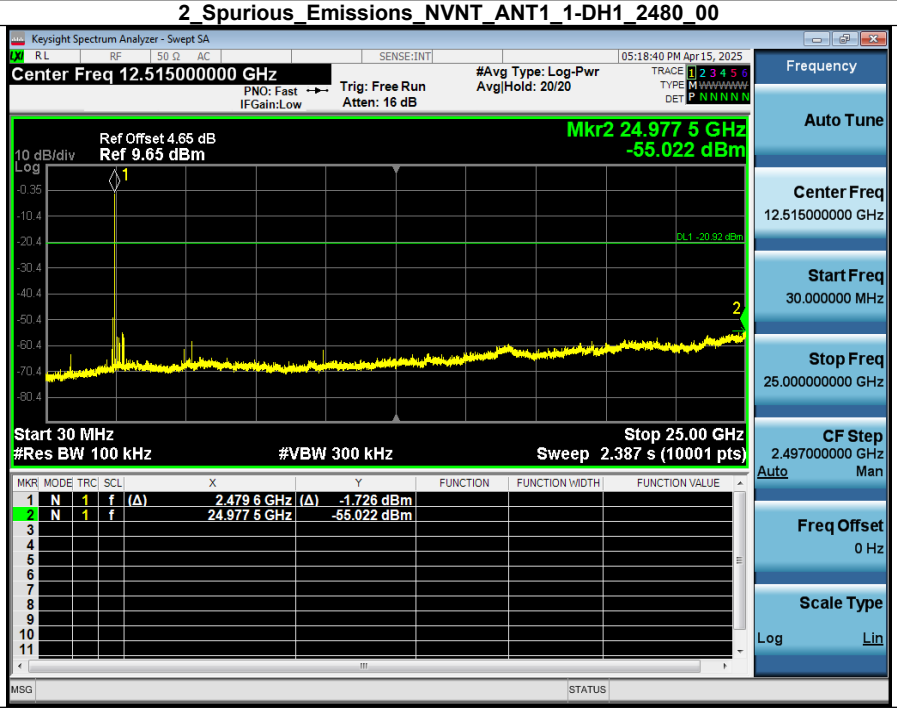
2_Spurious_Emissions_NVNT_ANT1_1-DH1_2441_00



1_Reference_Level_NVNT_ANT1_1-DH1_2480_00

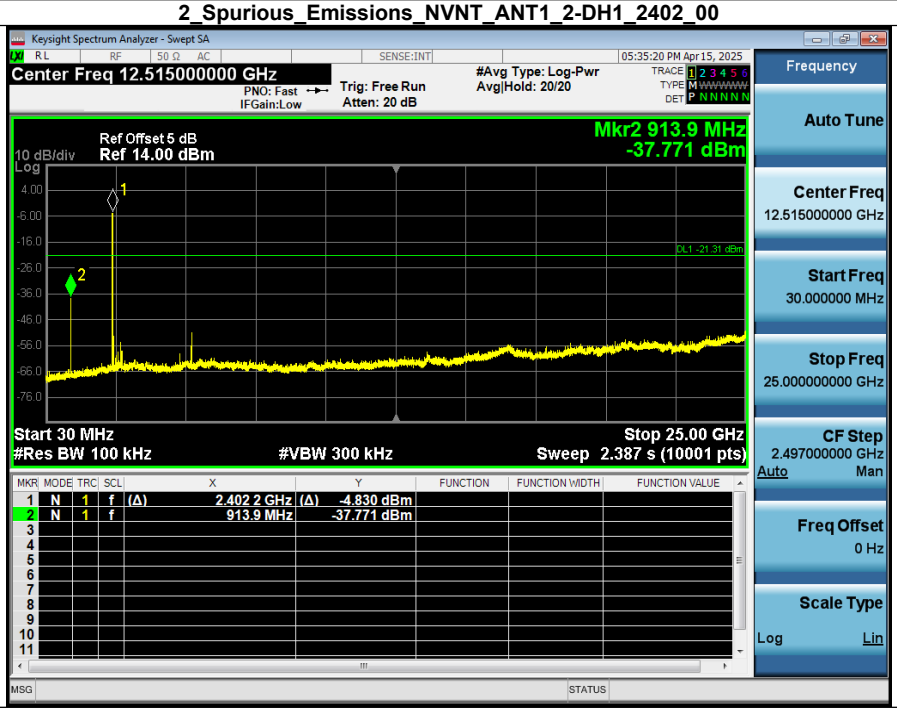


2_Spurious_Emissions_NVNT_ANT1_1-DH1_2480_00

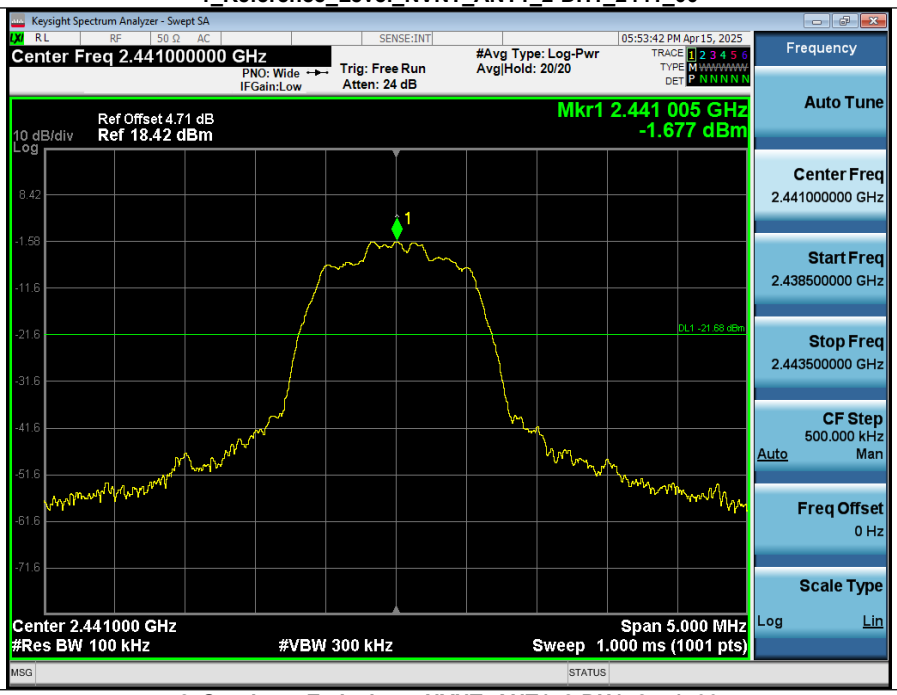


1_Reference_Level_NVNT_ANT1_2-DH1_2402_00

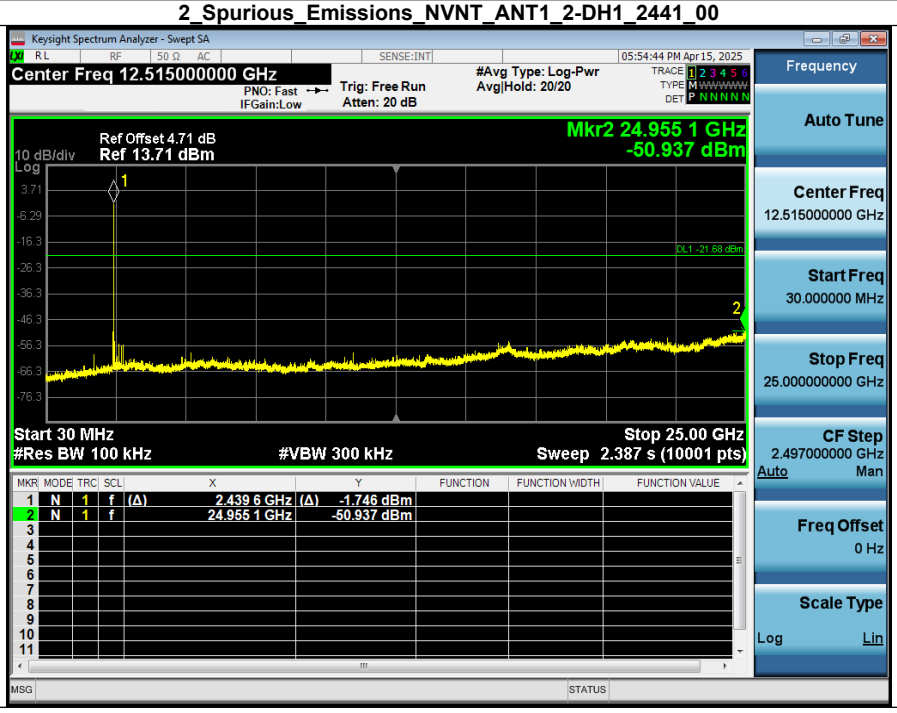
2_Spurious_Emissions_NVNT_ANT1_2-DH1_2402_00



1_Reference_Level_NVNT_ANT1_2-DH1_2441_00

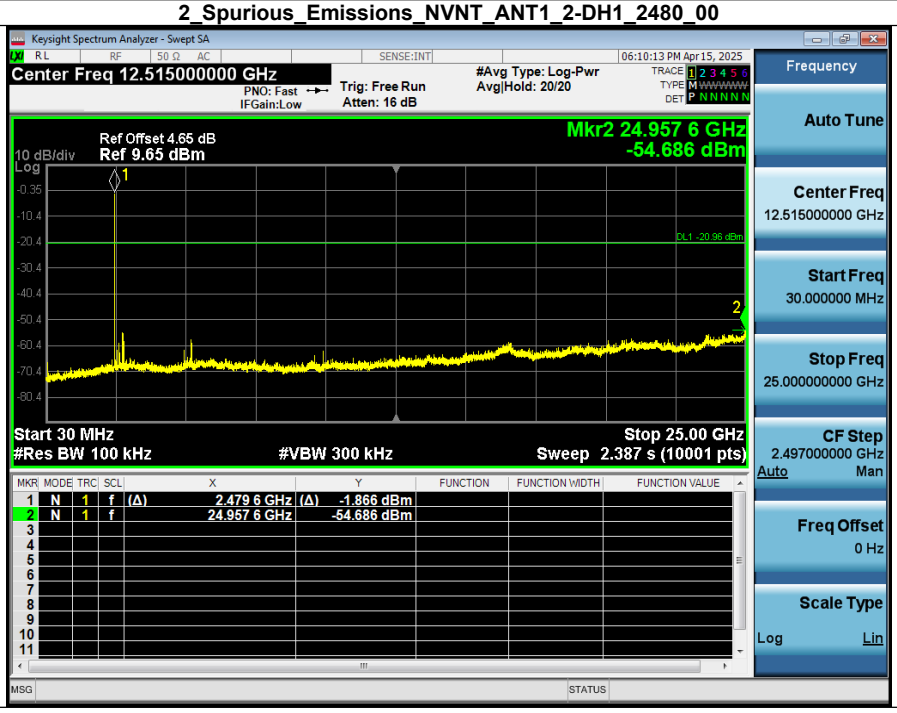


2_Spurious_Emissions_NVNT_ANT1_2-DH1_2441_00

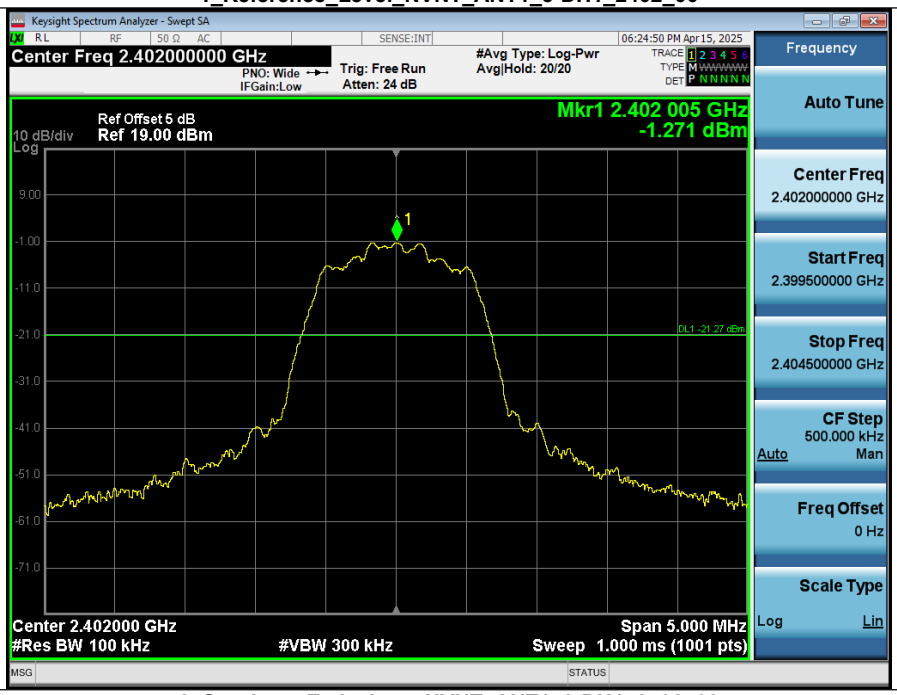


1_Reference_Level_NVNT_ANT1_2-DH1_2480_00

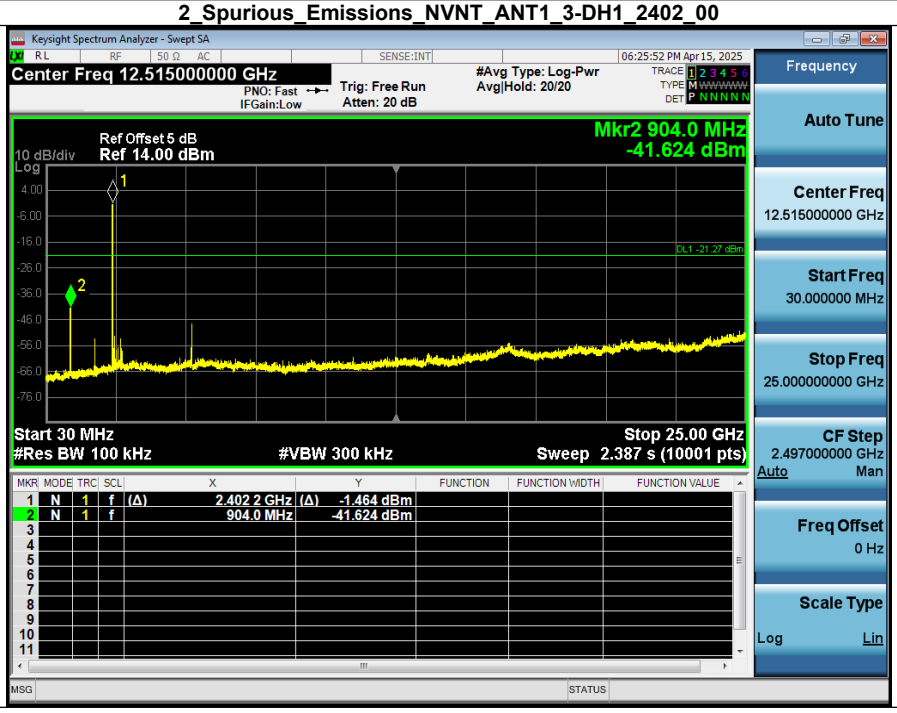
2_Spurious_Emissions_NVNT_ANT1_2-DH1_2480_00



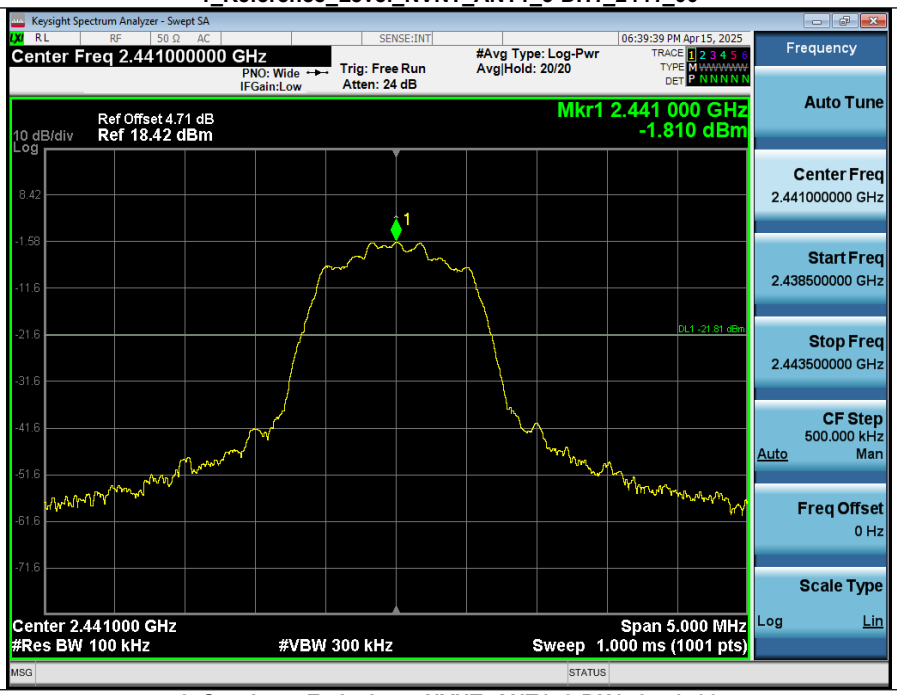
1_Reference_Level_NVNT_ANT1_3-DH1_2402_00



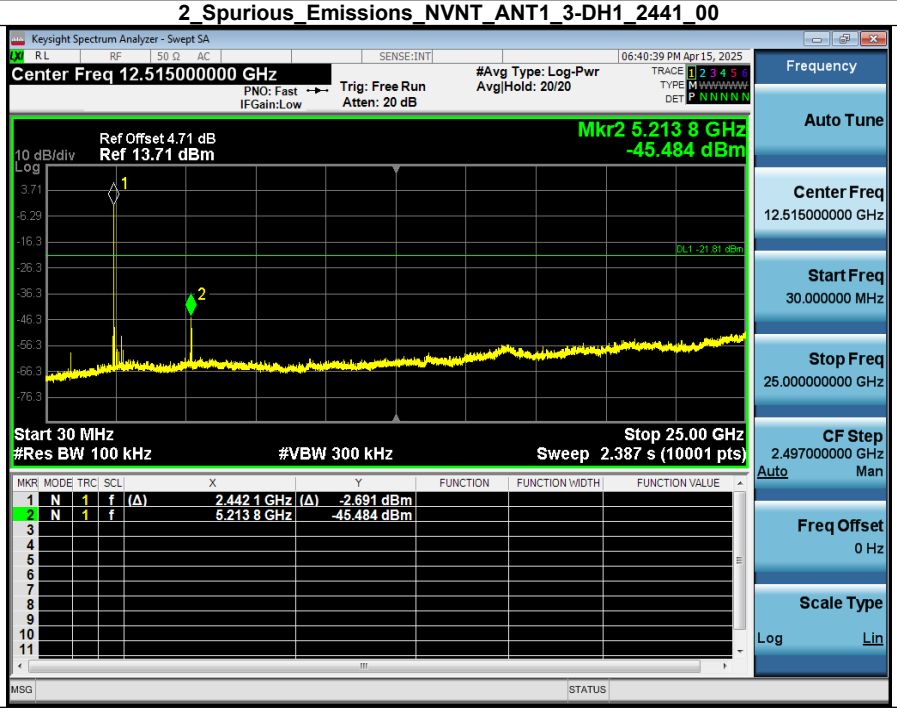
2_Spurious_Emissions_NVNT_ANT1_3-DH1_2402_00



1_Reference_Level_NVNT_ANT1_3-DH1_2441_00

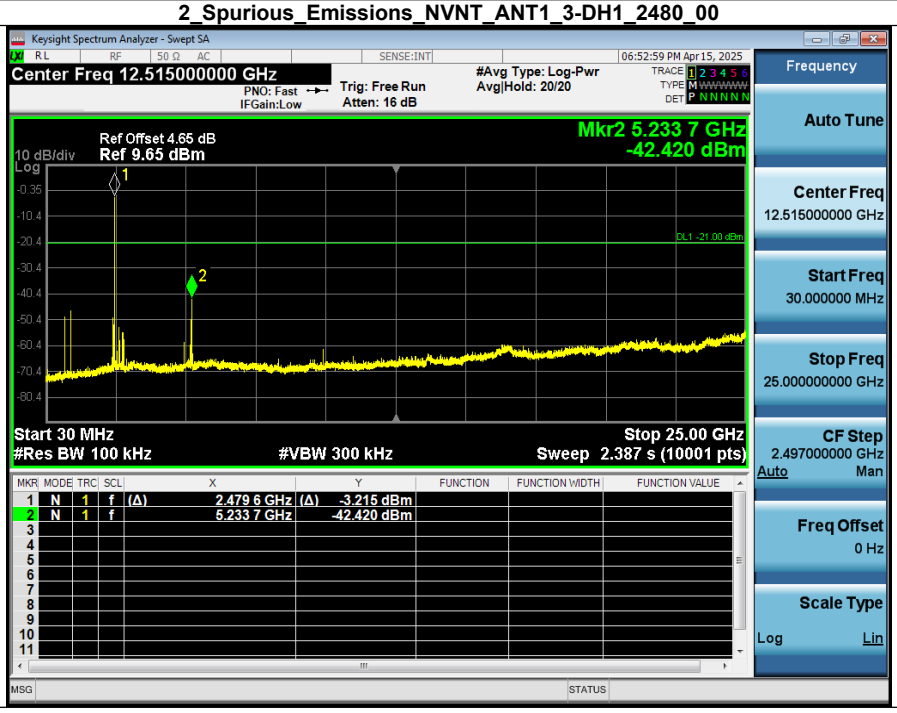


2_Spurious_Emissions_NVNT_ANT1_3-DH1_2441_00



1_Reference_Level_NVNT_ANT1_3-DH1_2480_00

2_Spurious_Emissions_NVNT_ANT1_3-DH1_2480_00

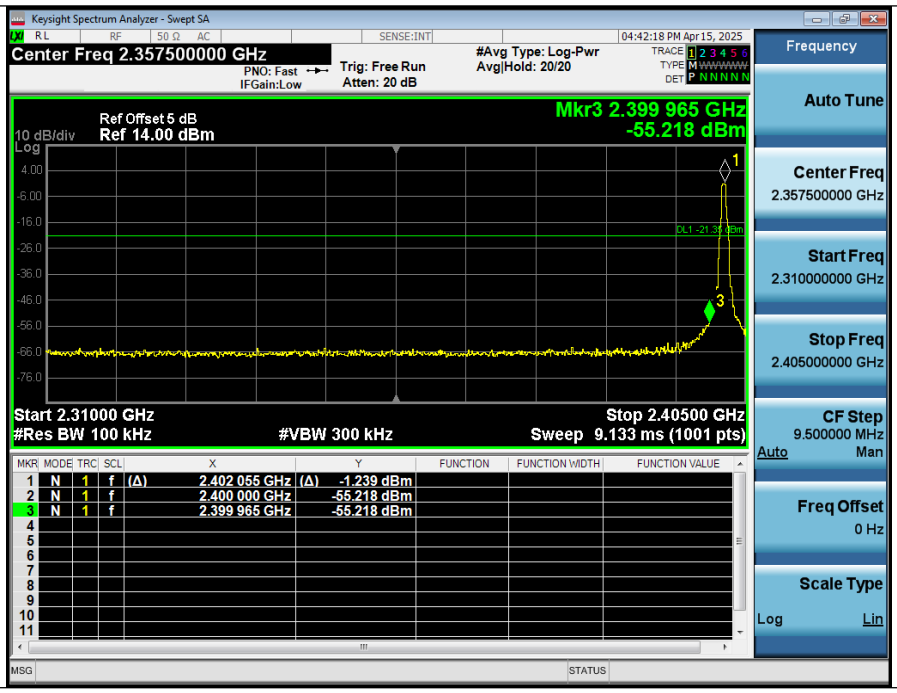


6. Bandedge

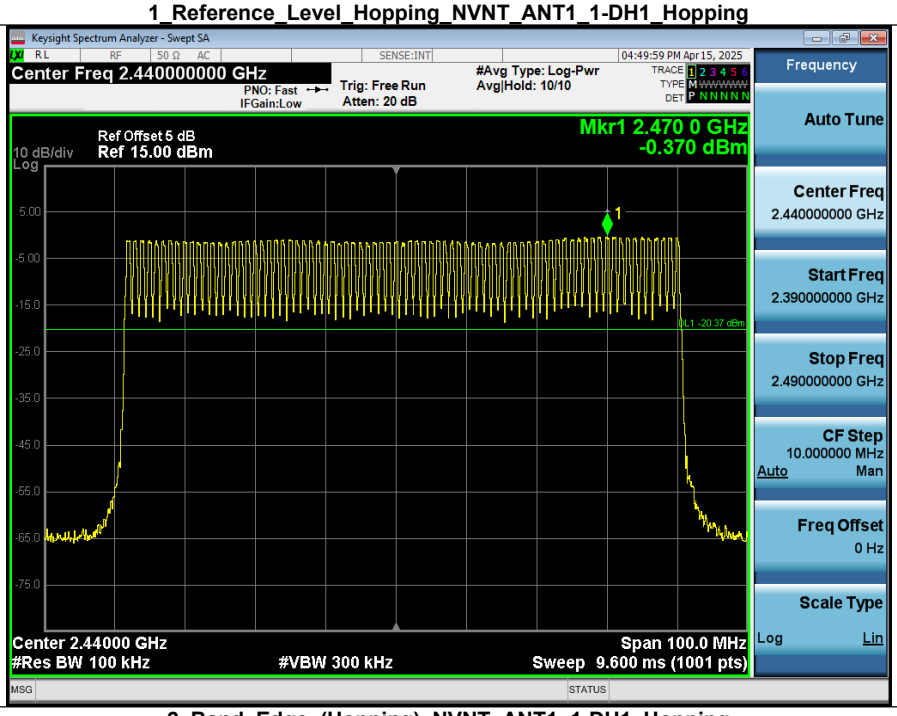
Condition	Antenna	Modulation	TX Mode	Ref_level(dBm)	Bandedge MAX.Value	Limit	Result
NVNT	ANT1	1-DH1	2402.00	-1.348	-55.218	-21.348	Pass
NVNT	ANT1	1-DH1	Hopping_LCH	-0.370	-56.418	-20.370	Pass
NVNT	ANT1	1-DH1	2480.00	-0.919	-59.588	-20.919	Pass
NVNT	ANT1	1-DH1	Hopping_HCH	-0.745	-54.748	-20.745	Pass
NVNT	ANT1	2-DH1	2402.00	-1.307	-53.144	-21.307	Pass
NVNT	ANT1	2-DH1	Hopping_LCH	-0.361	-55.684	-20.361	Pass
NVNT	ANT1	2-DH1	2480.00	-0.956	-59.780	-20.956	Pass
NVNT	ANT1	2-DH1	Hopping_HCH	-0.829	-54.620	-20.829	Pass
NVNT	ANT1	3-DH1	2402.00	-1.271	-54.248	-21.271	Pass
NVNT	ANT1	3-DH1	Hopping_LCH	-0.379	-55.033	-20.379	Pass
NVNT	ANT1	3-DH1	2480.00	-0.999	-60.563	-20.999	Pass
NVNT	ANT1	3-DH1	Hopping_HCH	-0.771	-54.654	-20.771	Pass

1_Reference_Level_NVNT_ANT1_1-DH1_2402_00

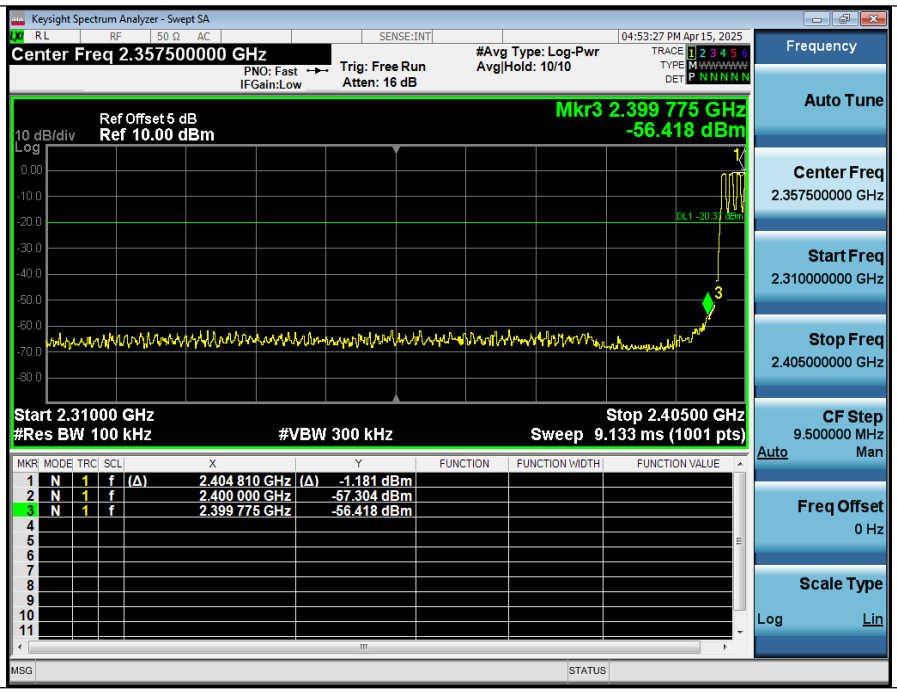
2_Bandedge_NVNT_ANT1_1-DH1_2402_00



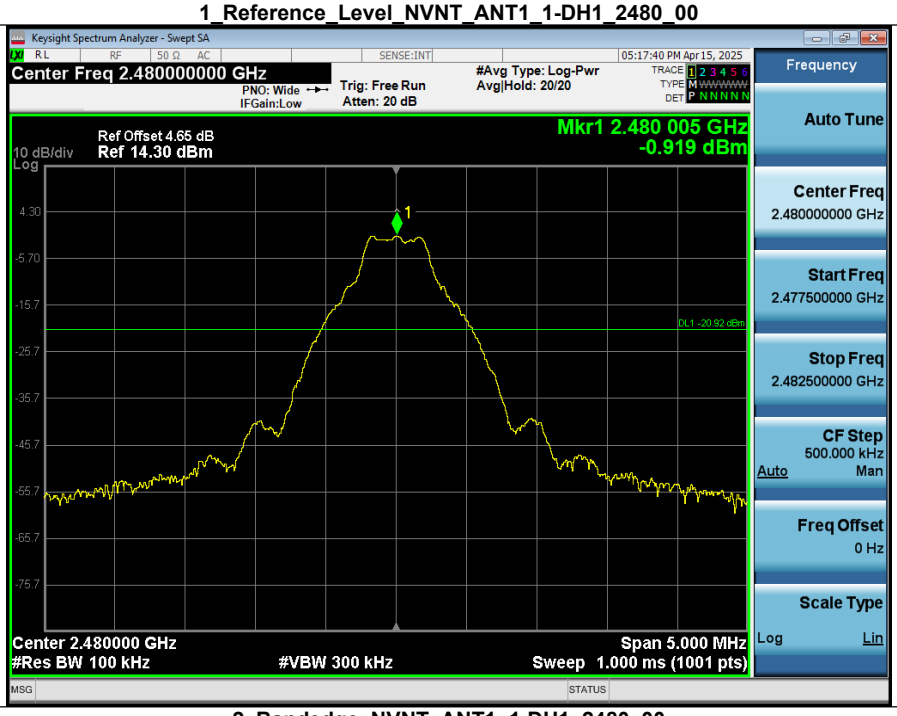
1_Reference_Level_Hopping_NVNT_ANT1_1-DH1_Hopping



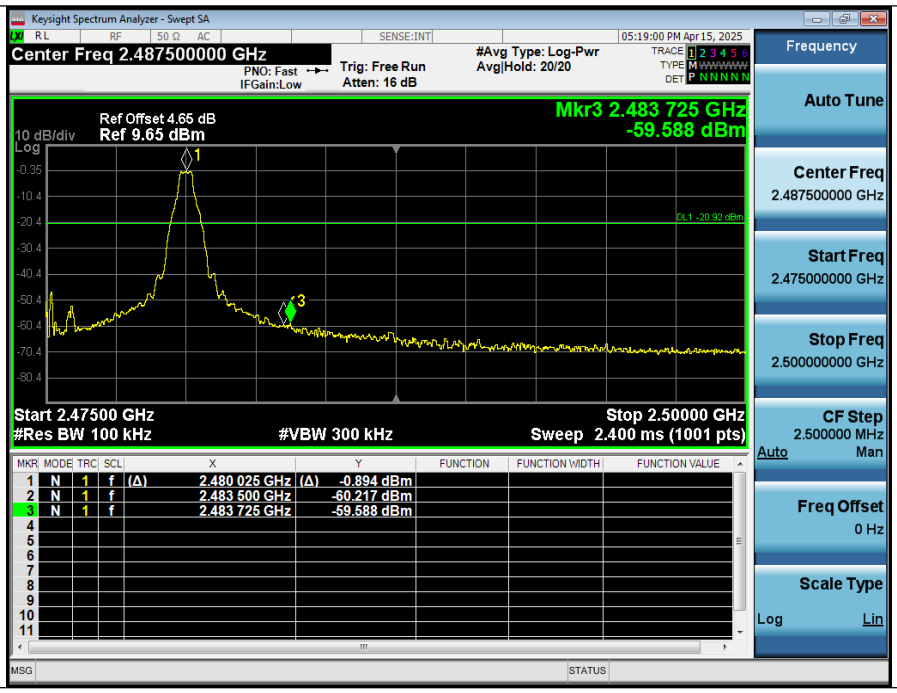
2_Band_Edge_(Hopping)_NVNT_ANT1_1-DH1_Hopping



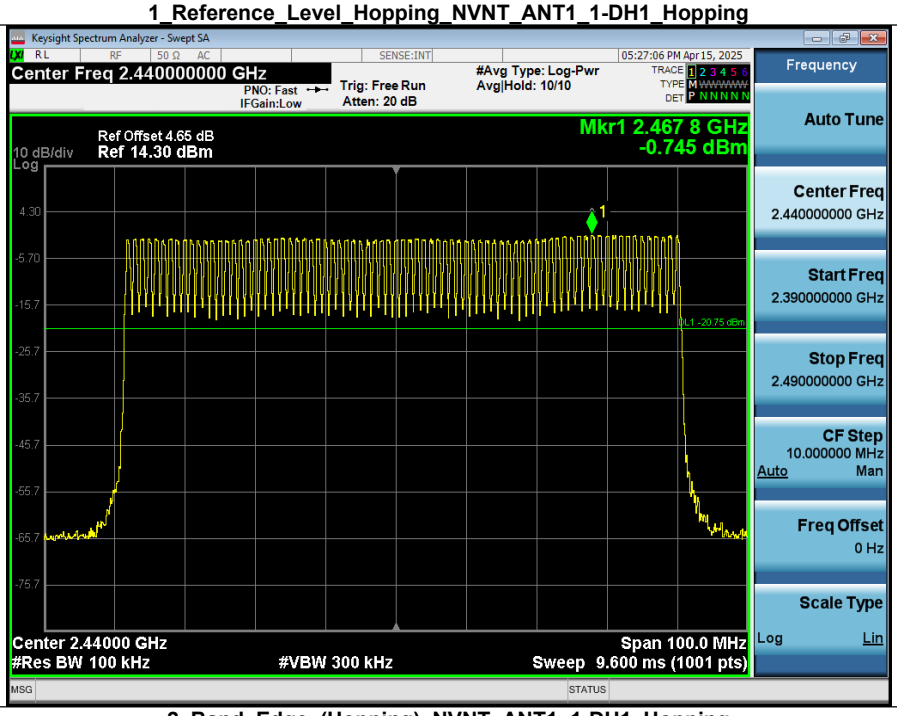
1_Reference_Level_NVNT_ANT1_1-DH1_2480_00



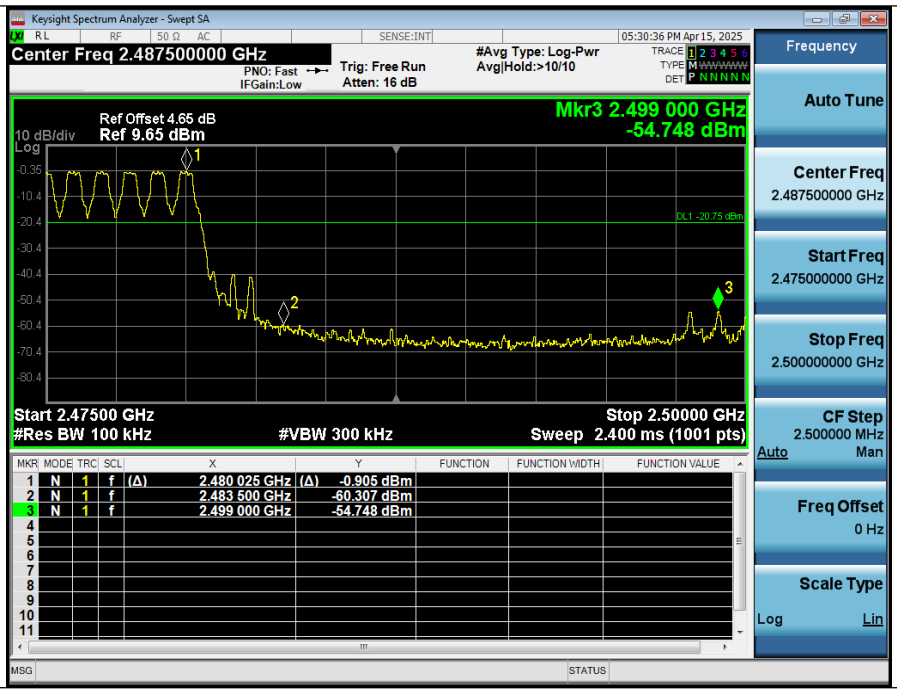
2_Bandedge_NVNT_ANT1_1-DH1_2480_00



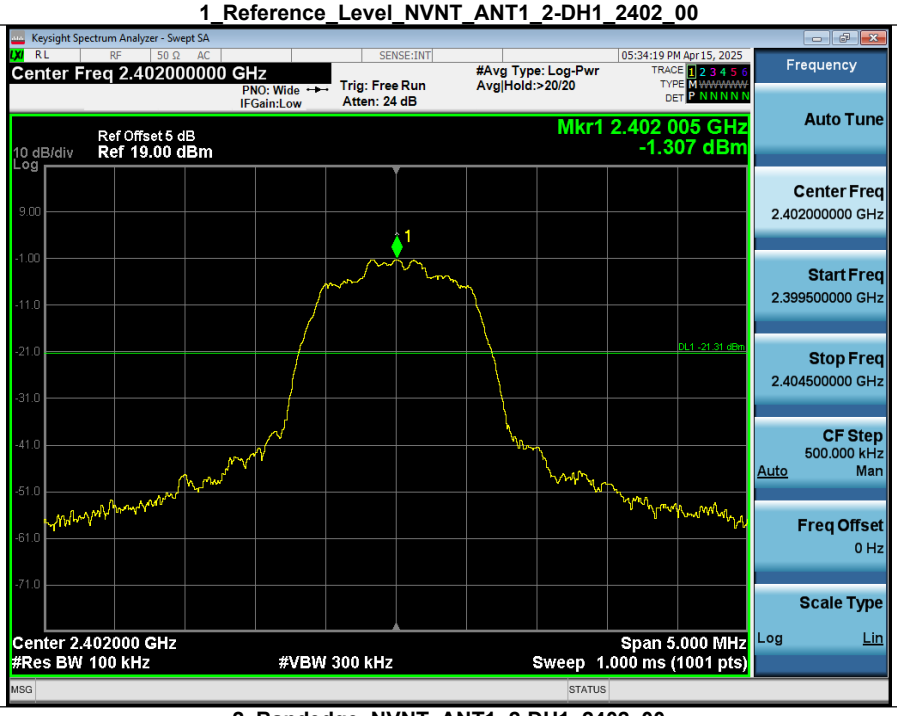
1_Reference_Level_Hopping_NVNT_ANT1_1-DH1_Hopping



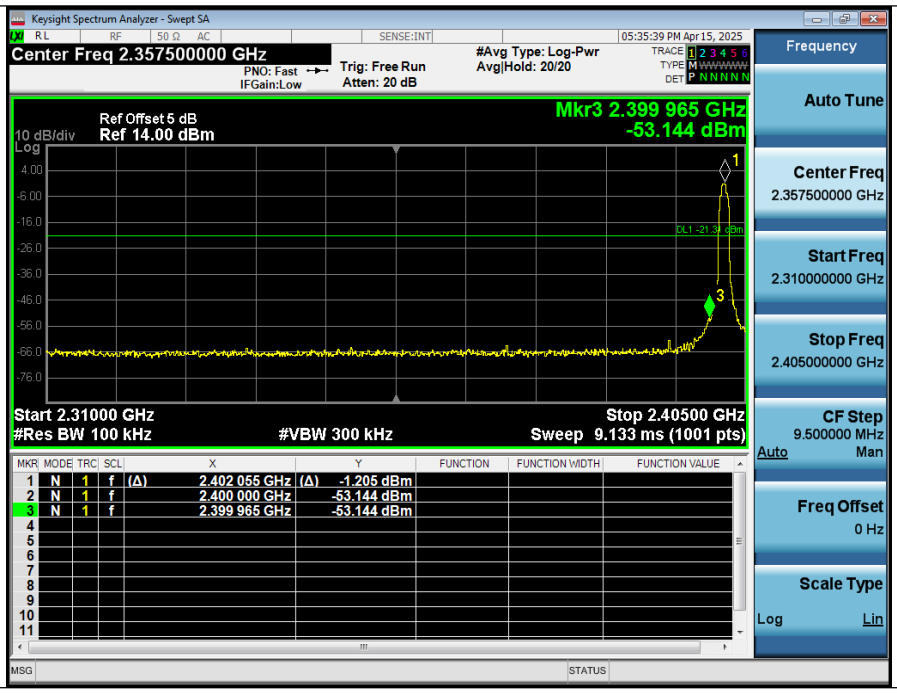
2_Band_Edge_(Hopping)_NVNT_ANT1_1-DH1_Hopping



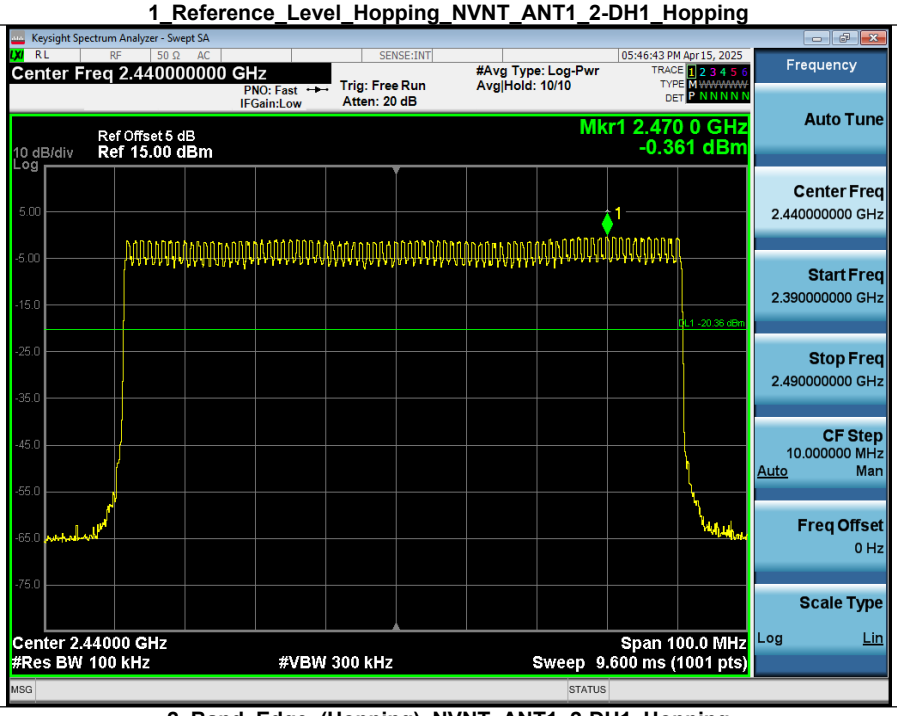
1_Reference_Level_NVNT_ANT1_2-DH1_2402_00



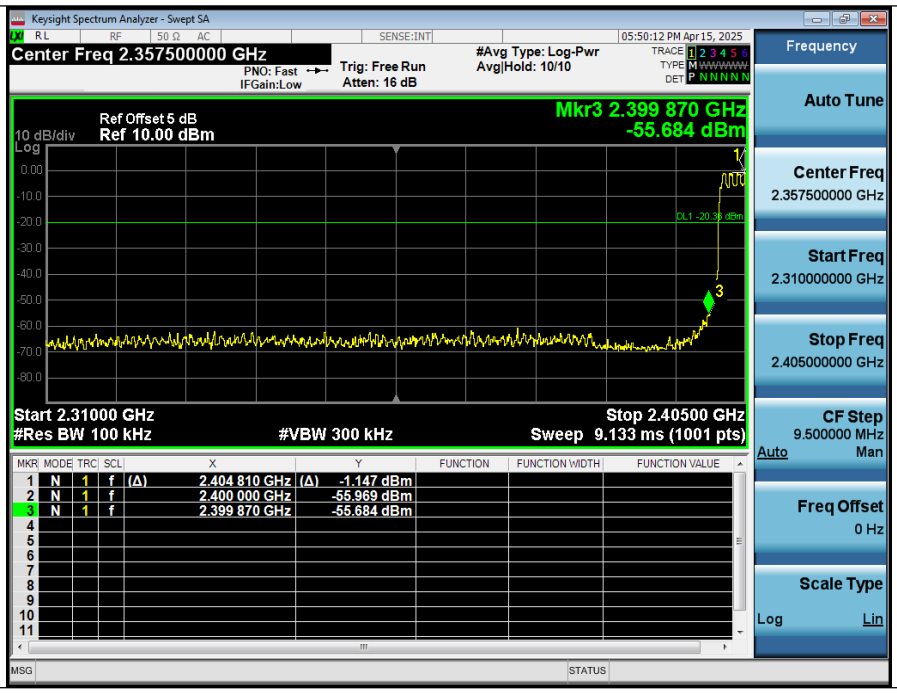
2_Bandedge_NVNT_ANT1_2-DH1_2402_00



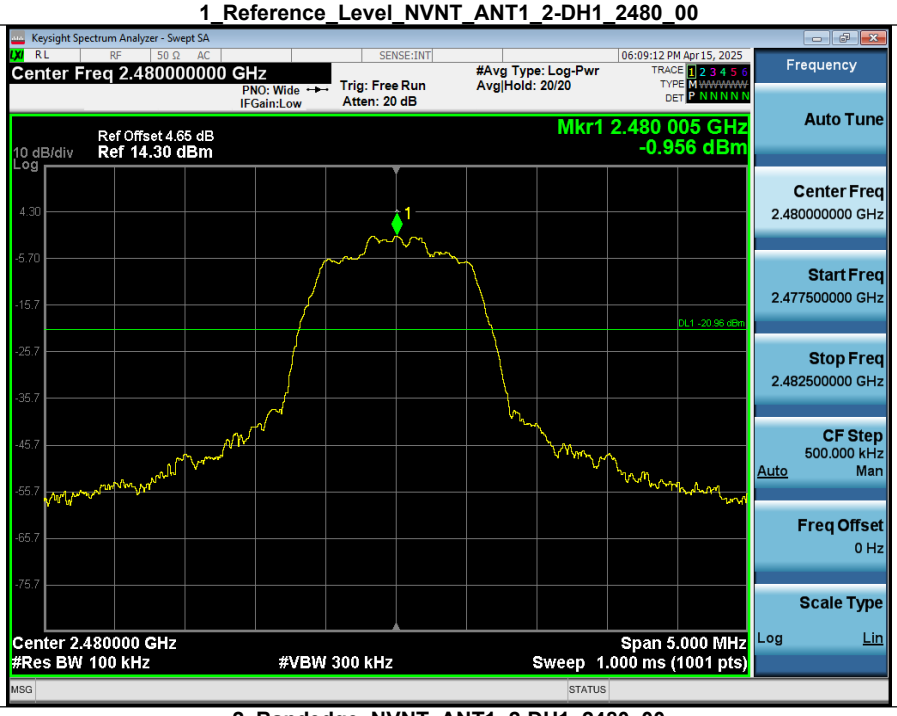
1_Reference_Level_Hopping_NVNT_ANT1_2-DH1_Hopping



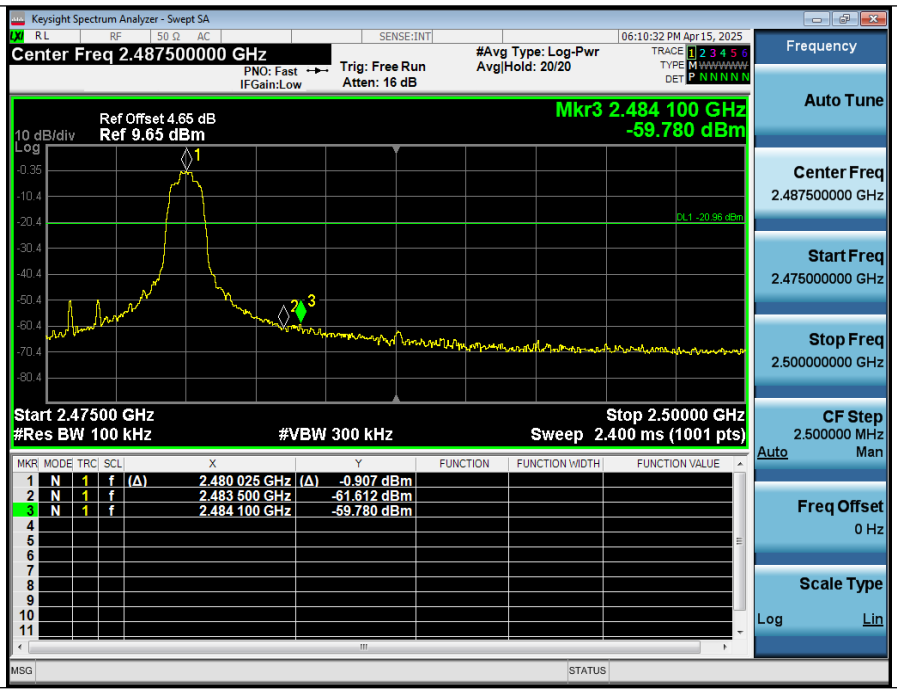
2_Band_Edge_(Hopping)_NVNT_ANT1_2-DH1_Hopping



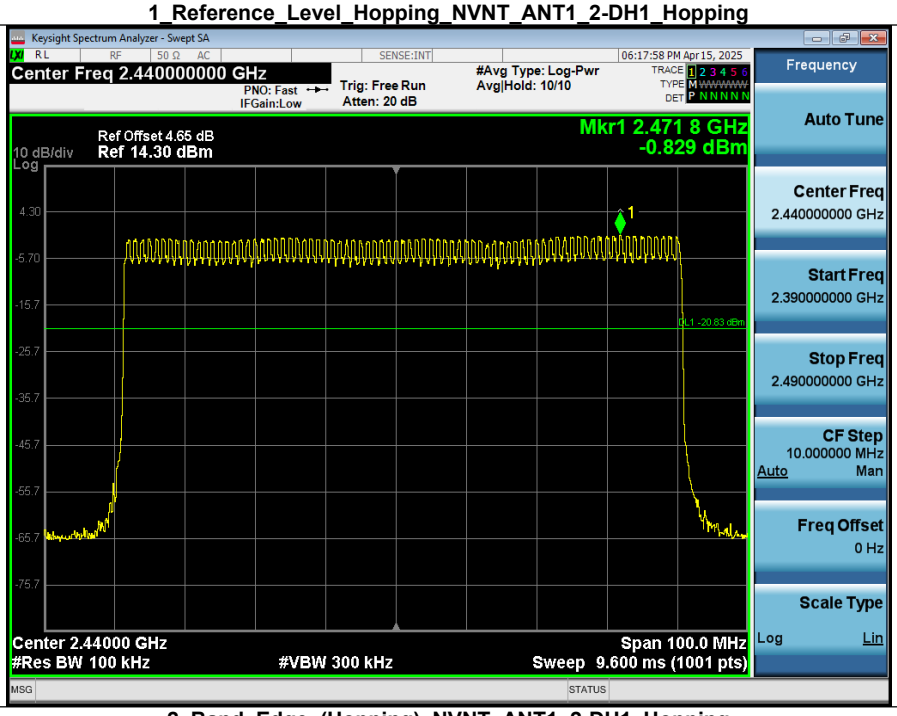
1_Reference_Level_NVNT_ANT1_2-DH1_2480_00



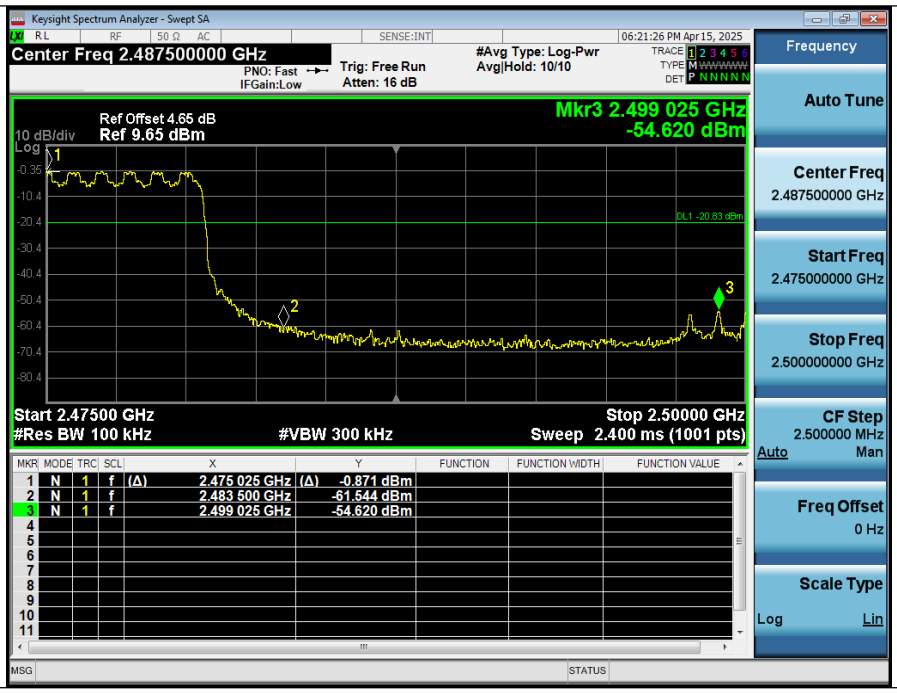
2_Bandedge_NVNT_ANT1_2-DH1_2480_00



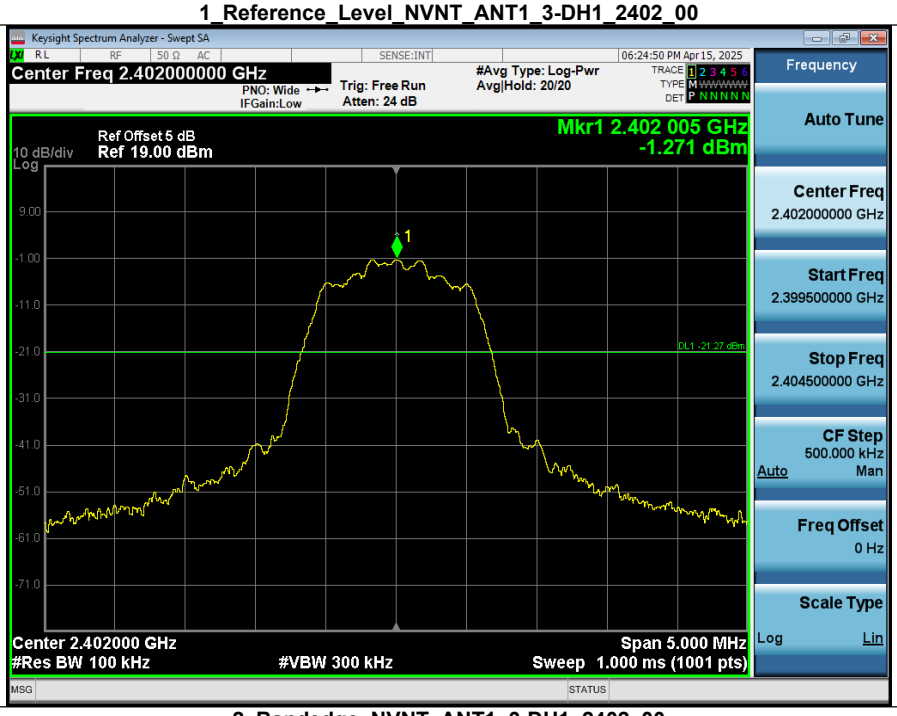
1_Reference_Level_Hopping_NVNT_ANT1_2-DH1_Hopping



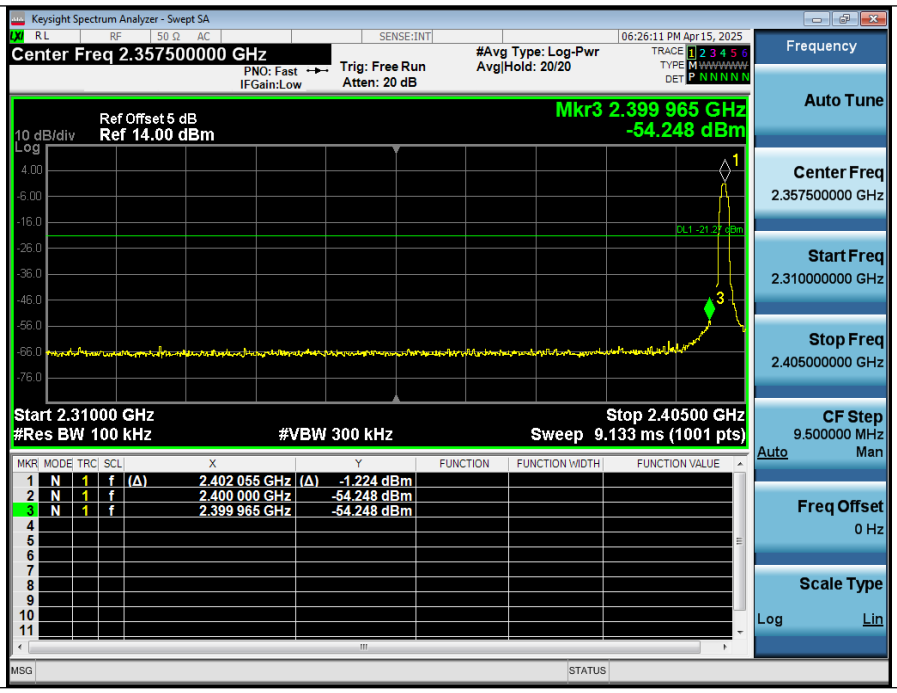
2_Band_Edge_(Hopping)_NVNT_ANT1_2-DH1_Hopping



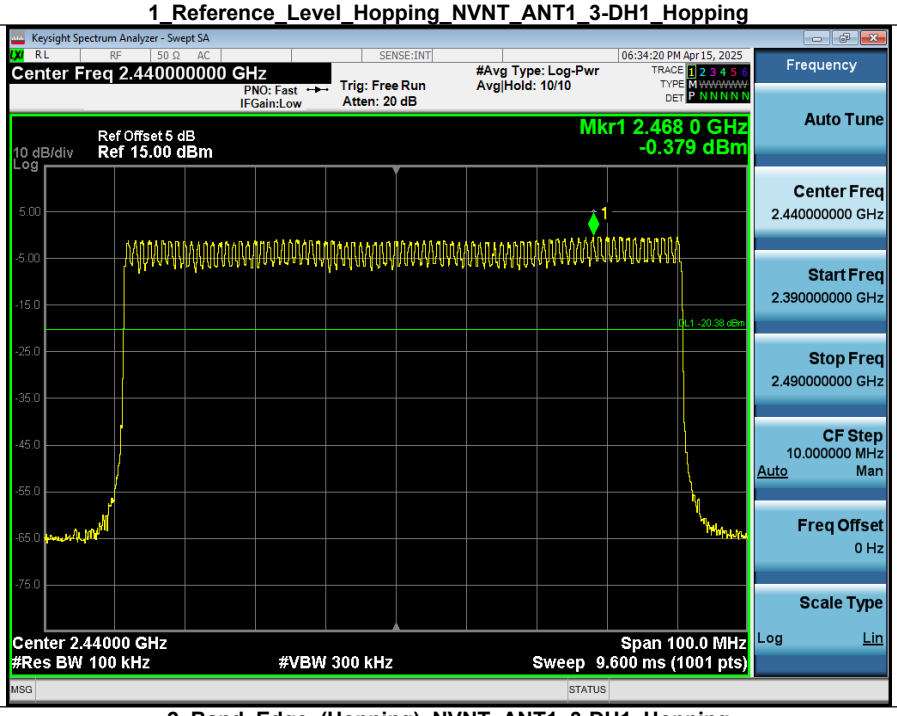
1_Reference_Level_NVNT_ANT1_3-DH1_2402_00



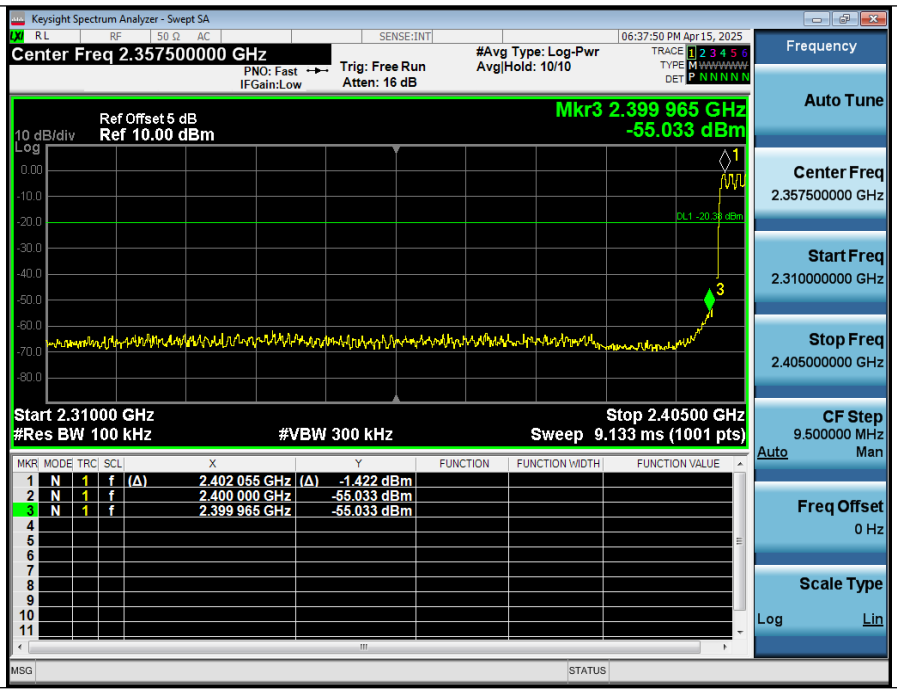
2_Bandedge_NVNT_ANT1_3-DH1_2402_00



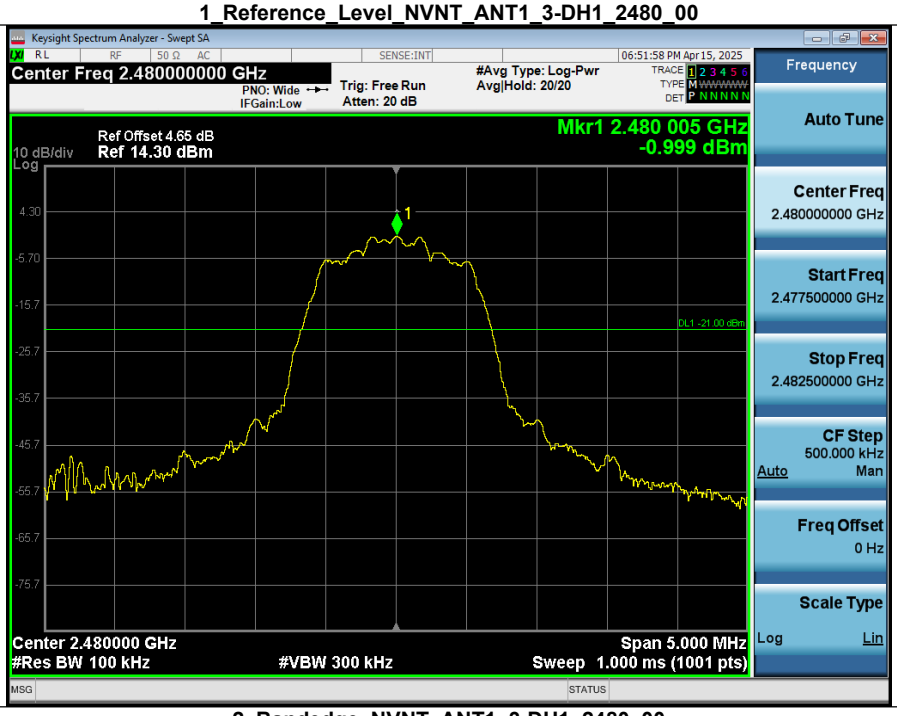
1_Reference_Level_Hopping_NVNT_ANT1_3-DH1_Hopping



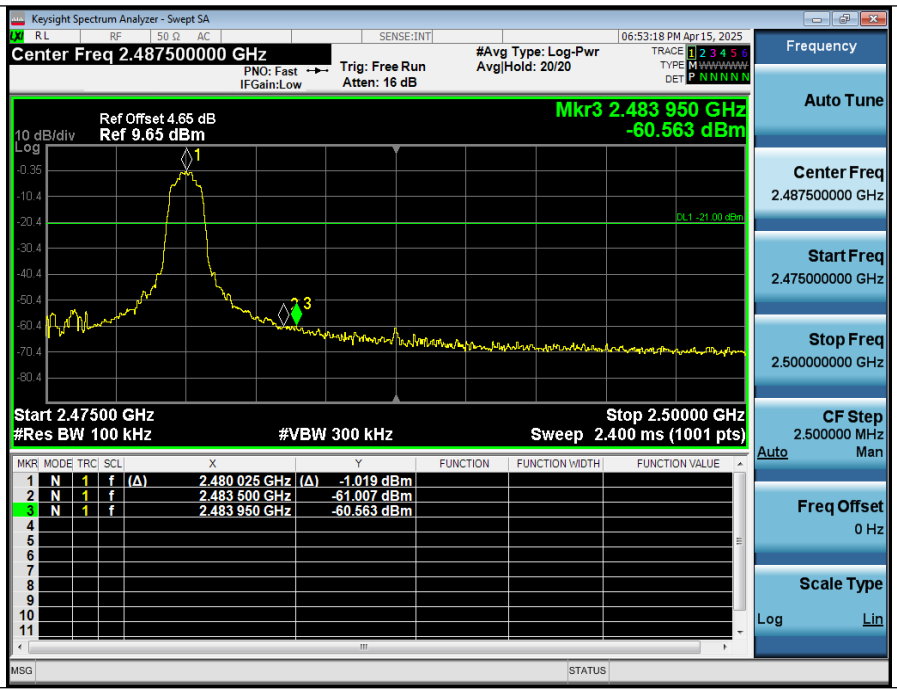
2_Band_Edge_(Hopping)_NVNT_ANT1_3-DH1_Hopping



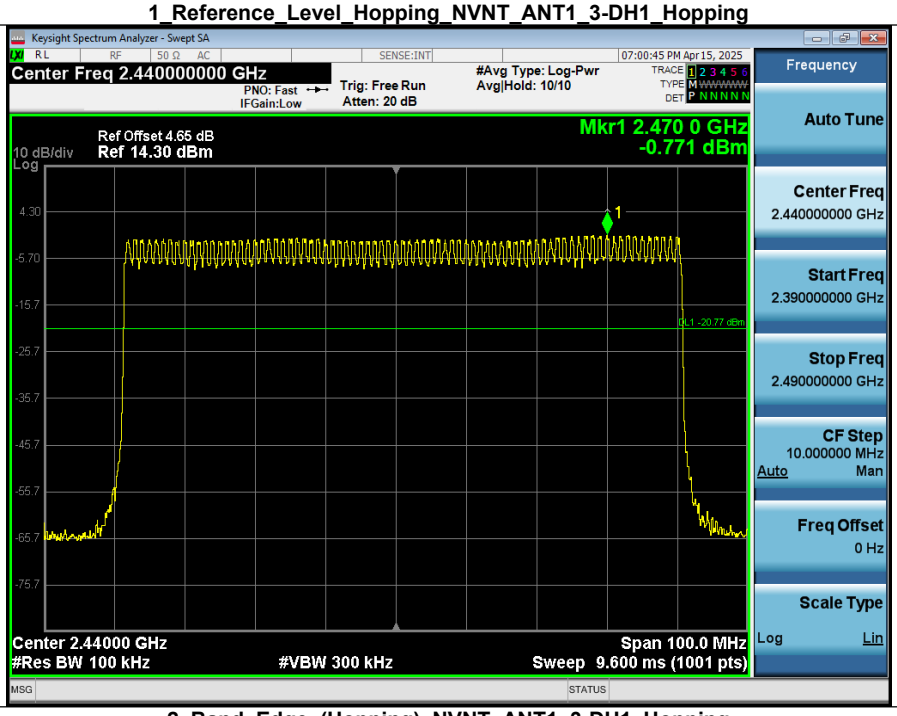
1_Reference_Level_NVNT_ANT1_3-DH1_2480_00



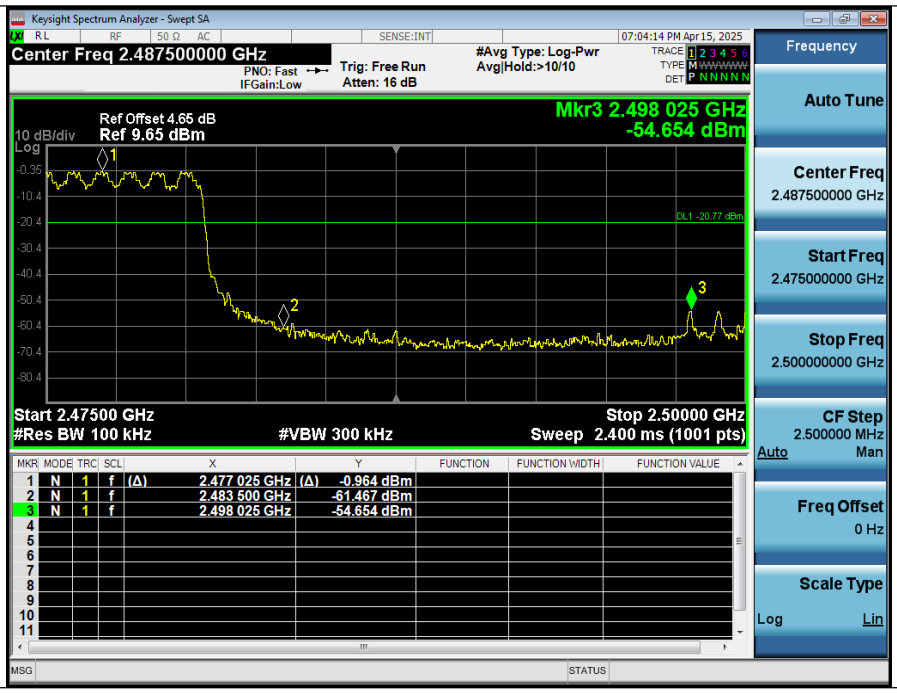
2_Bandedge_NVNT_ANT1_3-DH1_2480_00



1_Reference_Level_Hopping_NVNT_ANT1_3-DH1_Hopping



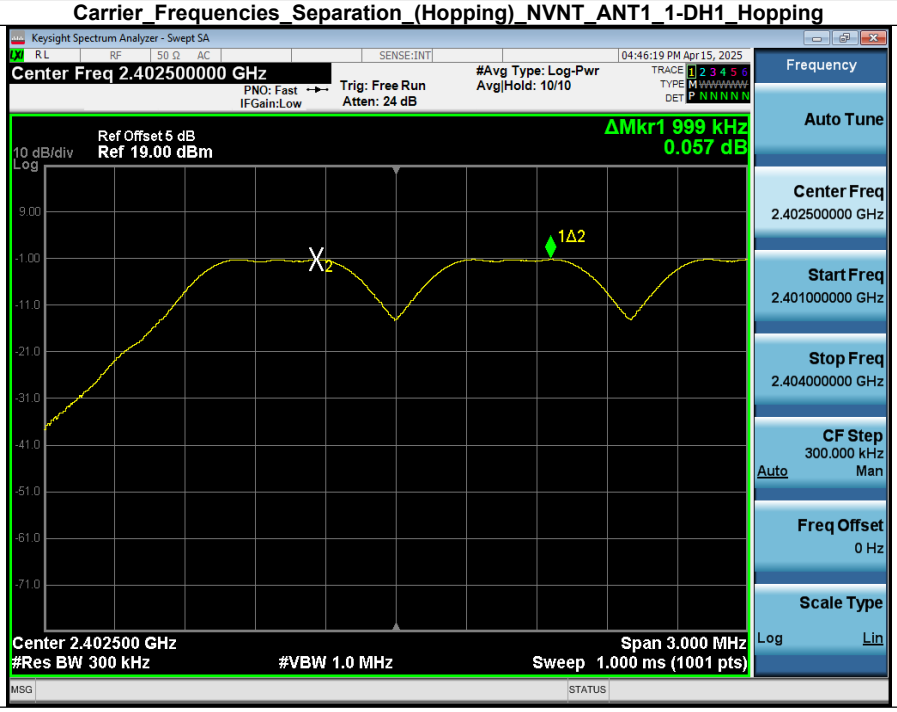
2_Band_Edge_(Hopping)_NVNT_ANT1_3-DH1_Hopping


Keysight Spectrum Analyzer - Swept SA
Center Freq 2.487500000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 16 dB
#Avg Type: Log-Pwr
Avg|Hold:>10/10
07:04:14 PM Apr 15, 2025
Ref Offset 4.65 dB
10 dB/div
Ref 9.65 dBm
Mkr3 2.498 025 GHz
-54.654 dBm
DL1 -20.77 dBm
Start 2.47500 GHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 2.50000 GHz
Sweep 2.400 ms (1001 pts)
1 N 1 f (Δ) 2.477 025 GHz (Δ) -0.964 dBm
2 N 1 f 2.483 500 GHz -61.467 dBm
3 N 1 f 2.498 025 GHz -54.654 dBm
Frequency
Auto Tune
Center Freq
2.487500000 GHz
Start Freq
2.475000000 GHz
Stop Freq
2.500000000 GHz
CF Step
2.500000 MHz
Auto
Man
Freq Offset
0 Hz
Scale Type
Log
Lin

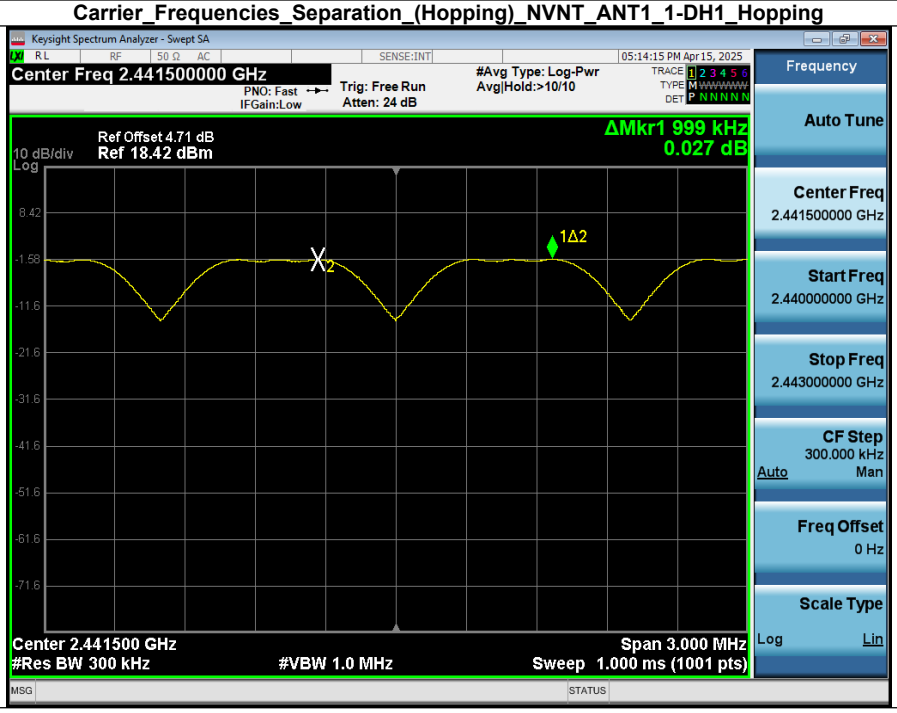
7. Carrier Frequencies Separation (Hopping)

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	2402.161	2403.160	1.00	0.933	Pass
NVNT	ANT1	1-DH1	2441.00	2441.167	2442.166	1.00	0.932	Pass
NVNT	ANT1	1-DH1	2480.00	2479.173	2480.160	0.99	0.933	Pass
NVNT	ANT1	2-DH1	2402.00	2402.002	2402.998	1.00	0.867	Pass
NVNT	ANT1	2-DH1	2441.00	2441.008	2442.010	1.00	0.868	Pass
NVNT	ANT1	2-DH1	2480.00	2478.999	2480.010	1.01	0.868	Pass
NVNT	ANT1	3-DH1	2402.00	2401.990	2402.992	1.00	0.824	Pass
NVNT	ANT1	3-DH1	2441.00	2441.008	2442.010	1.00	0.823	Pass
NVNT	ANT1	3-DH1	2480.00	2479.014	2480.010	1.00	0.824	Pass

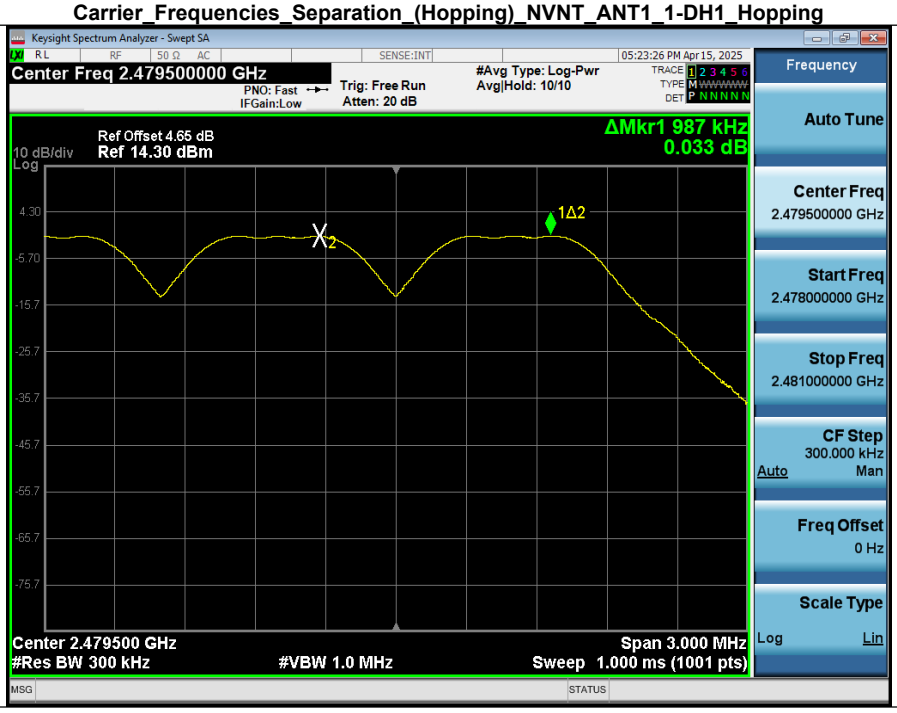
Carrier_Frequencies_Separation_(Hopping)_NVNT_ANT1_1-DH1_Hopping



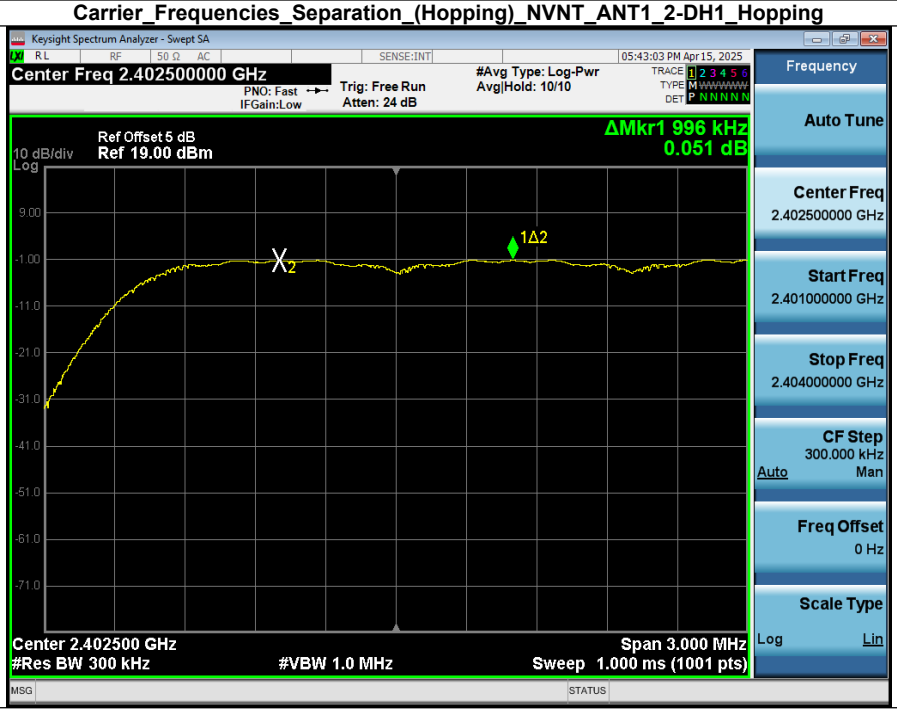
Carrier_Frequencies_Separation_(Hopping)_NVNT_ANT1_1-DH1_Hopping



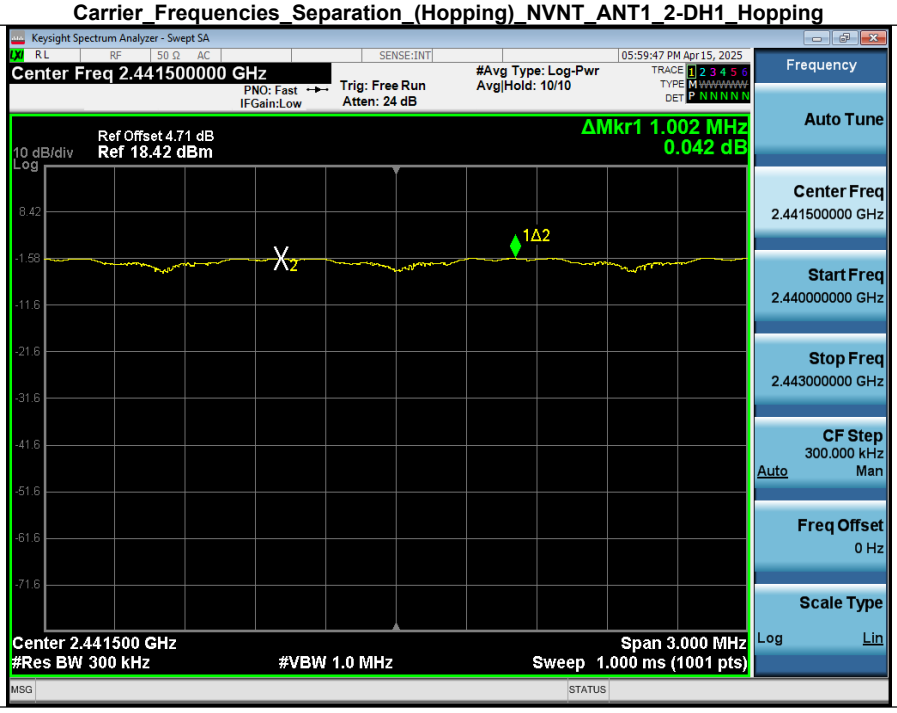
Carrier_Frequencies_Separation_(Hopping)_NVNT_ANT1_1-DH1_Hopping



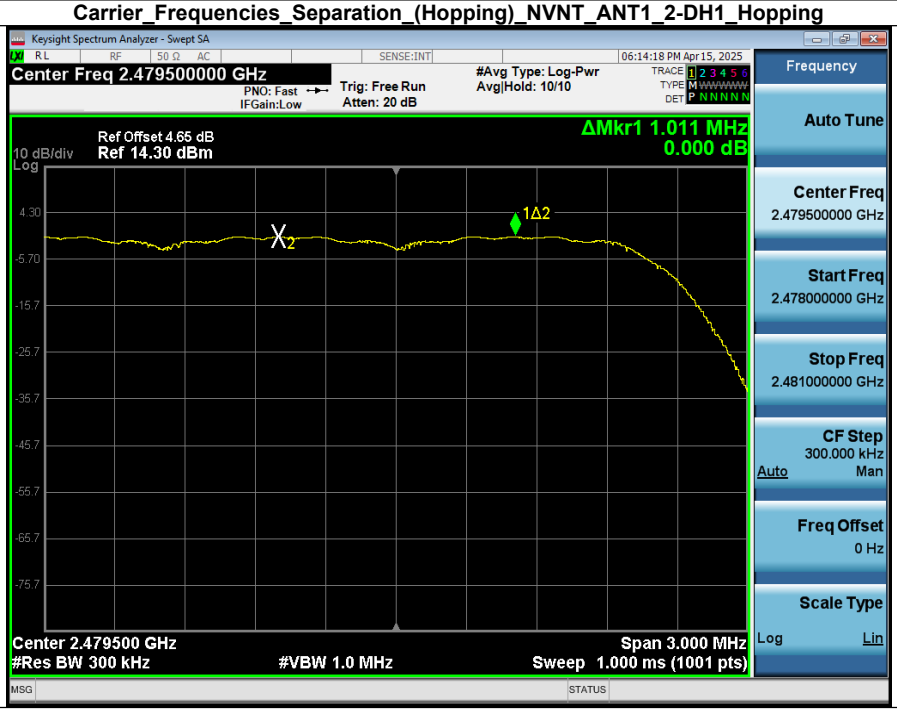
Carrier_Frequencies_Separation_(Hopping)_NVNT_ANT1_2-DH1_Hopping



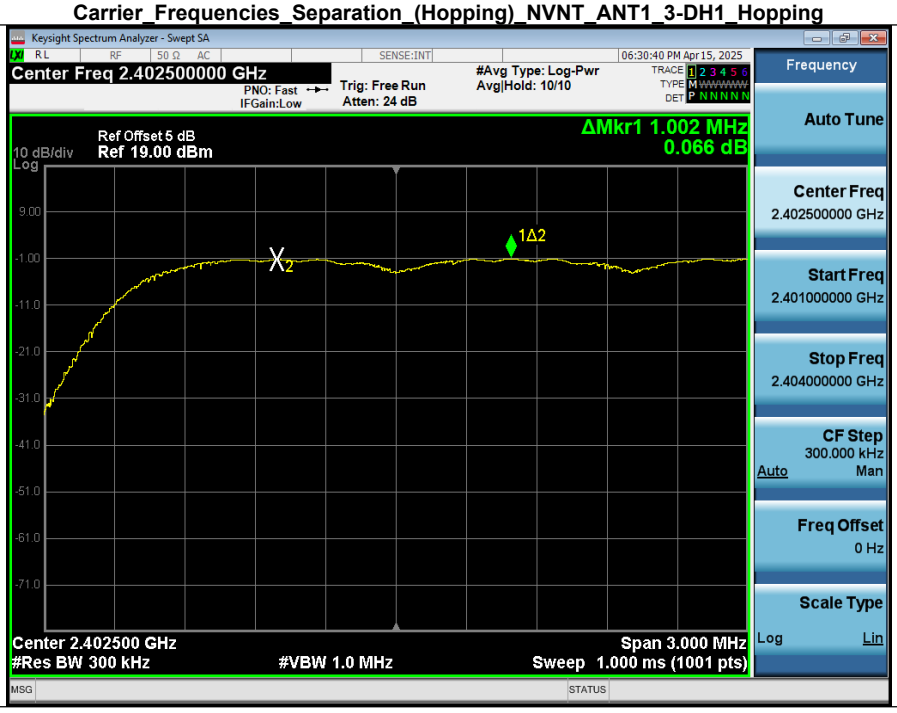
Carrier_Frequencies_Separation_(Hopping)_NVNT_ANT1_2-DH1_Hopping



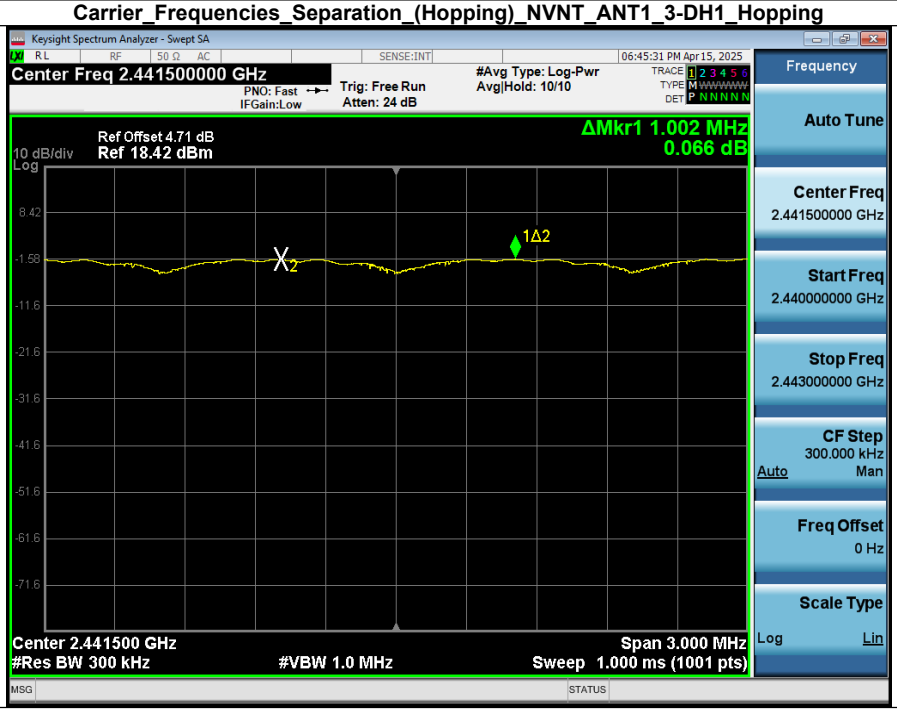
Carrier_Frequencies_Separation_(Hopping)_NVNT_ANT1_2-DH1_Hopping



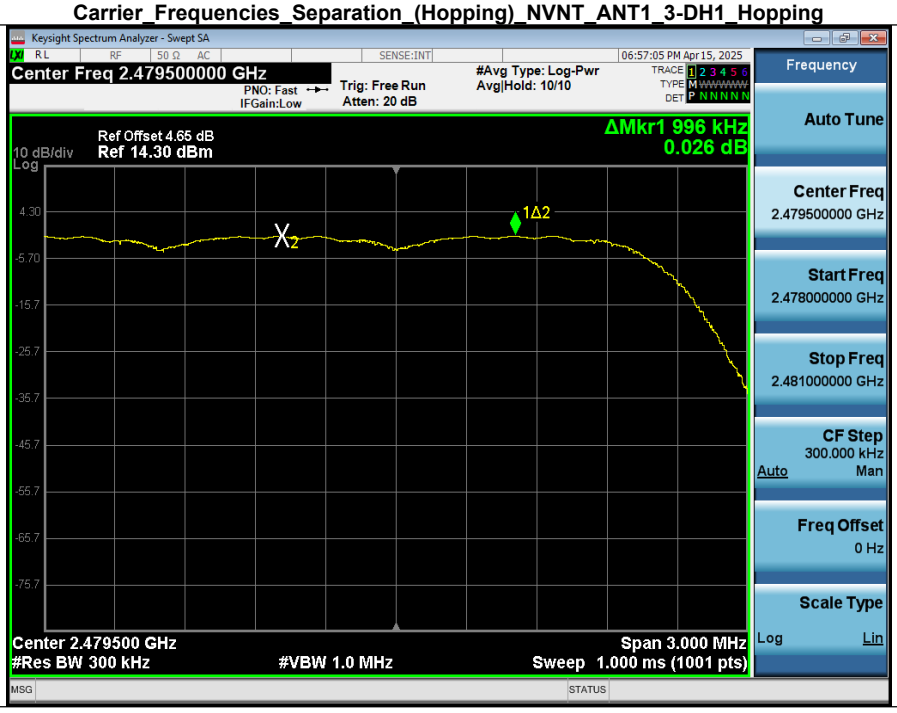
Carrier_Frequencies_Separation_(Hopping)_NVNT_ANT1_3-DH1_Hopping



Carrier_Frequencies_Separation_(Hopping)_NVNT_ANT1_3-DH1_Hopping



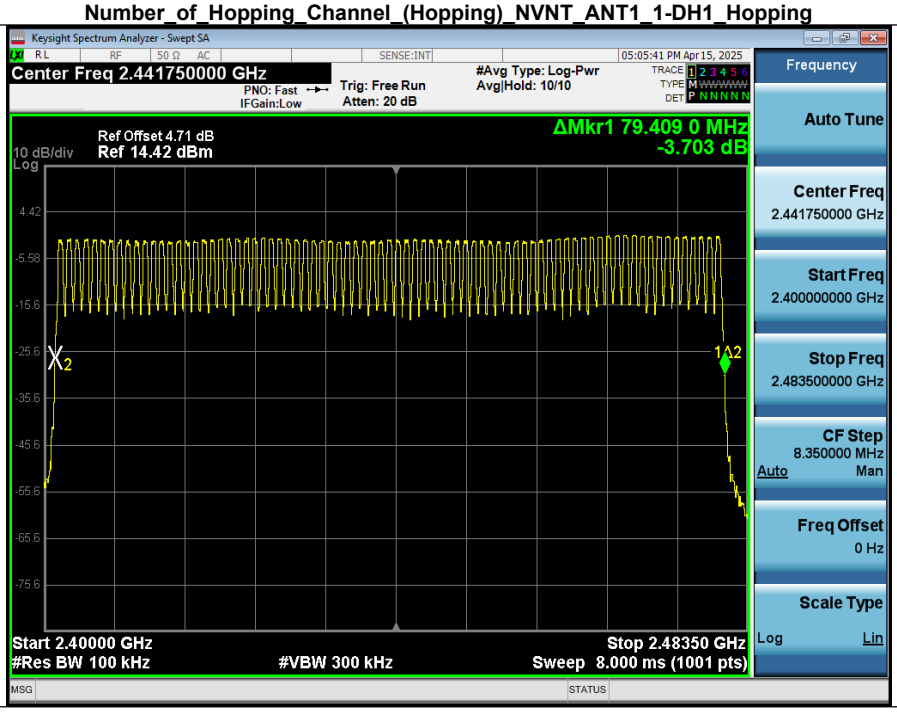
Carrier_Frequencies_Separation_(Hopping)_NVNT_ANT1_3-DH1_Hopping



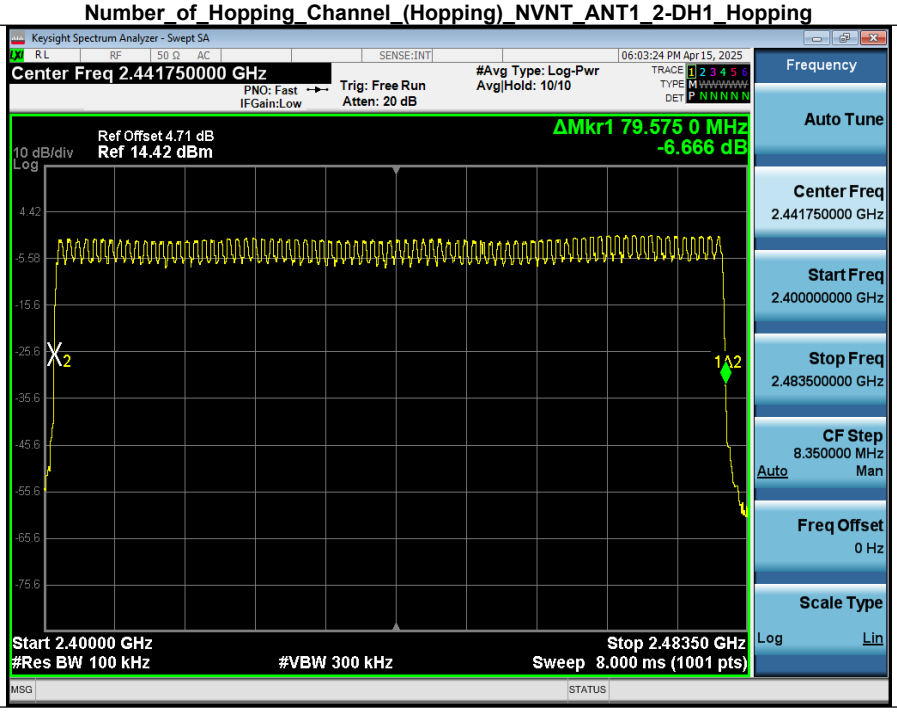
8. Number of Hopping Channel (Hopping)

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

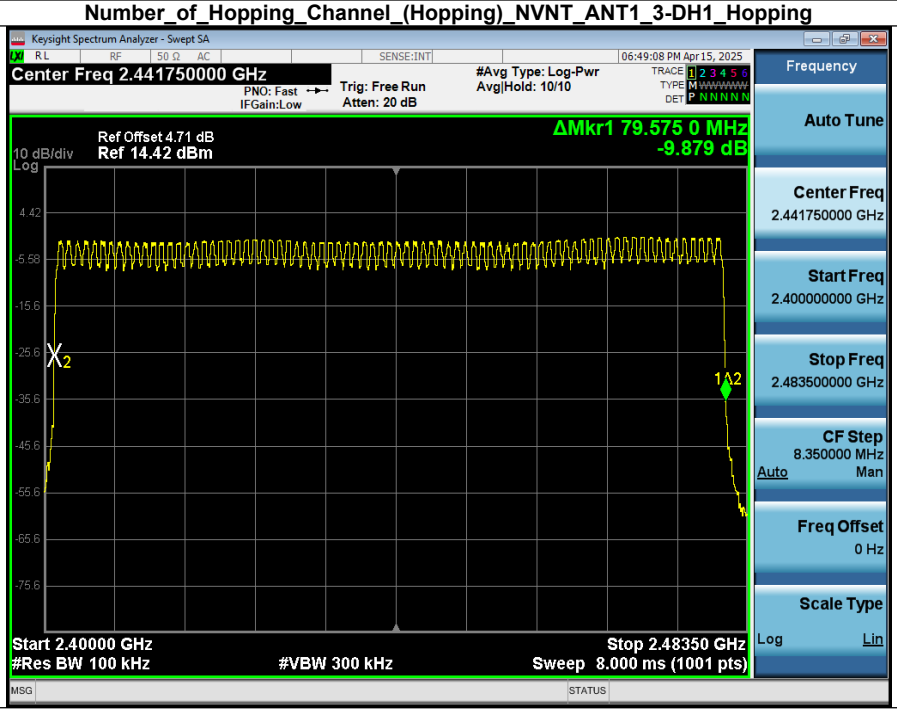
Number_of_Hopping_Channel_(Hopping)_NVNT_ANT1_1-DH1_Hopping



Number_of_Hopping_Channel_(Hopping)_NVNT_ANT1_2-DH1_Hopping



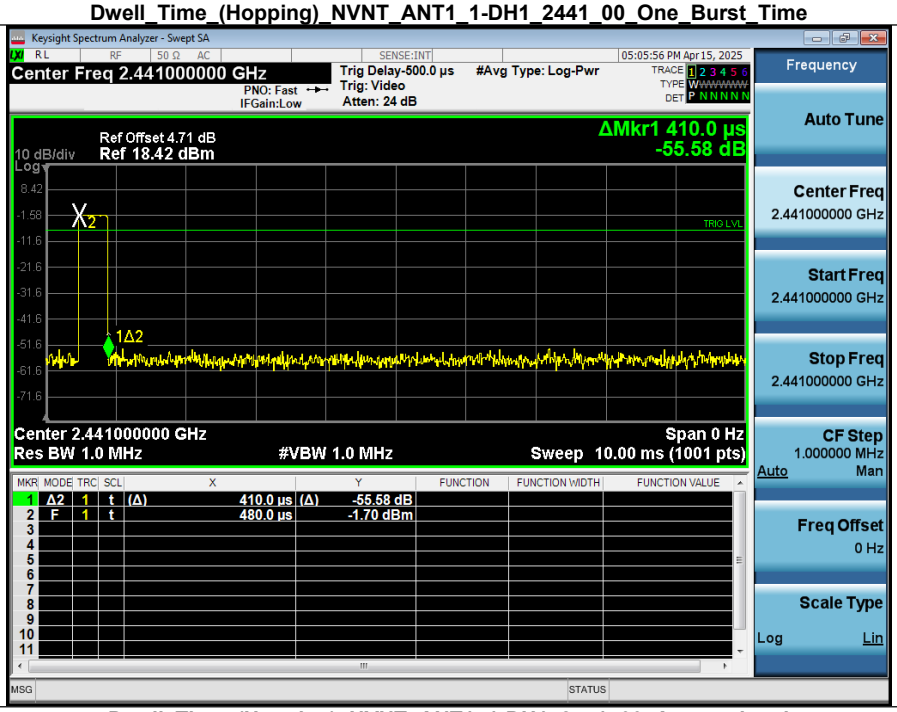
Number_of_Hopping_Channel_(Hopping)_NVNT_ANT1_3-DH1_Hopping



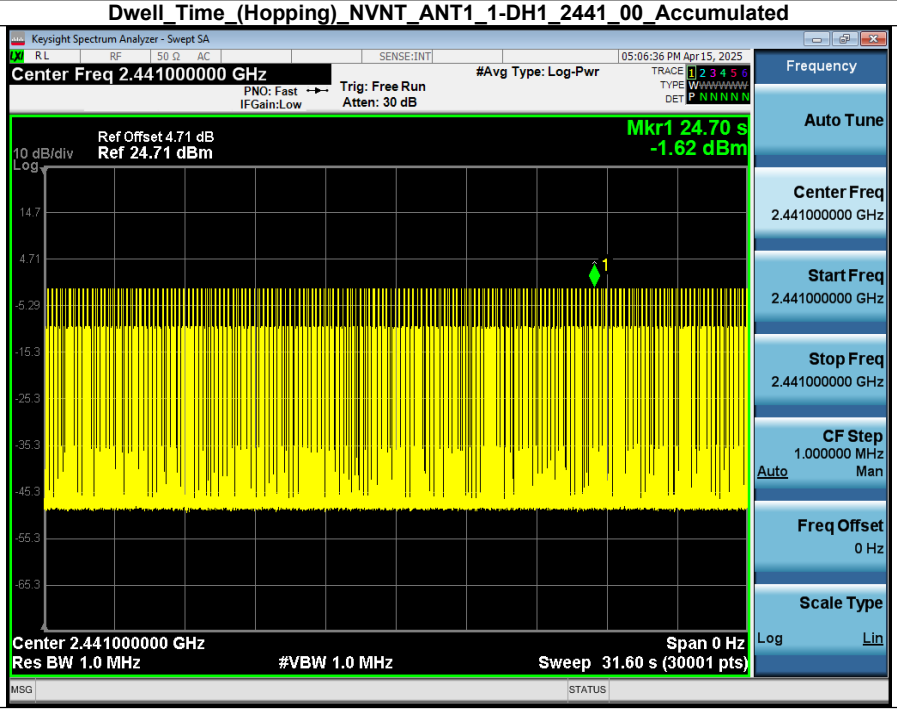
9. Dwell Time (Hopping)

Condition	Antenna	Packet Type	Pulse Time(ms)	Hops	Dwell Time(ms)	Limit(s)	Result
NVNT	ANT1	1-DH1	0.410	320.00	131.200	0.40	Pass
NVNT	ANT1	1-DH3	1.670	155.00	258.850	0.40	Pass
NVNT	ANT1	1-DH5	2.910	106.00	308.460	0.40	Pass

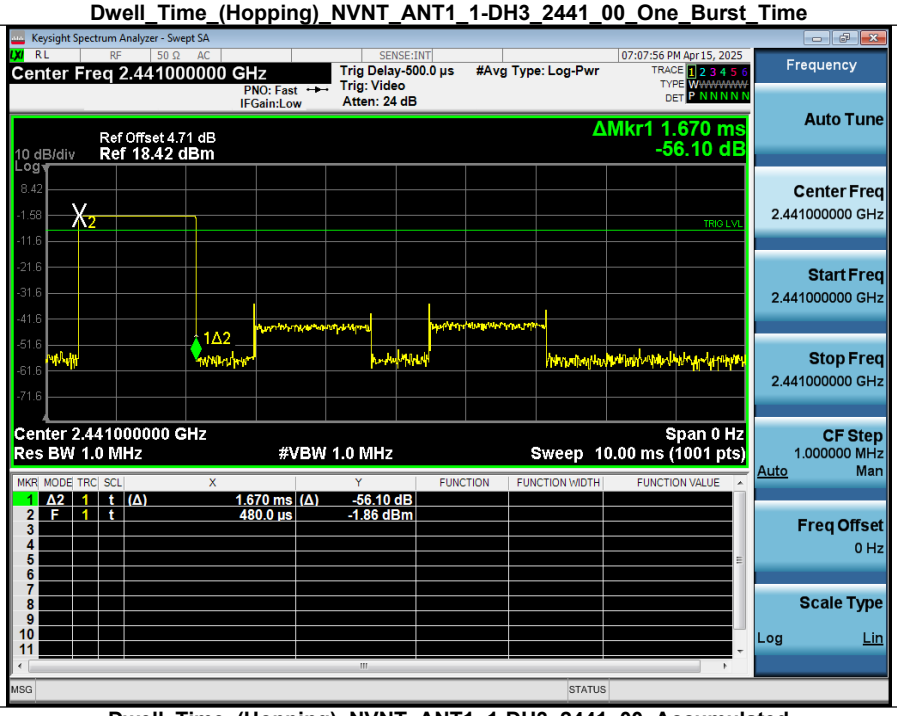
Dwell_Time_(Hopping)_NVNT_ANT1_1-DH1_2441_00_One_Burst_Time



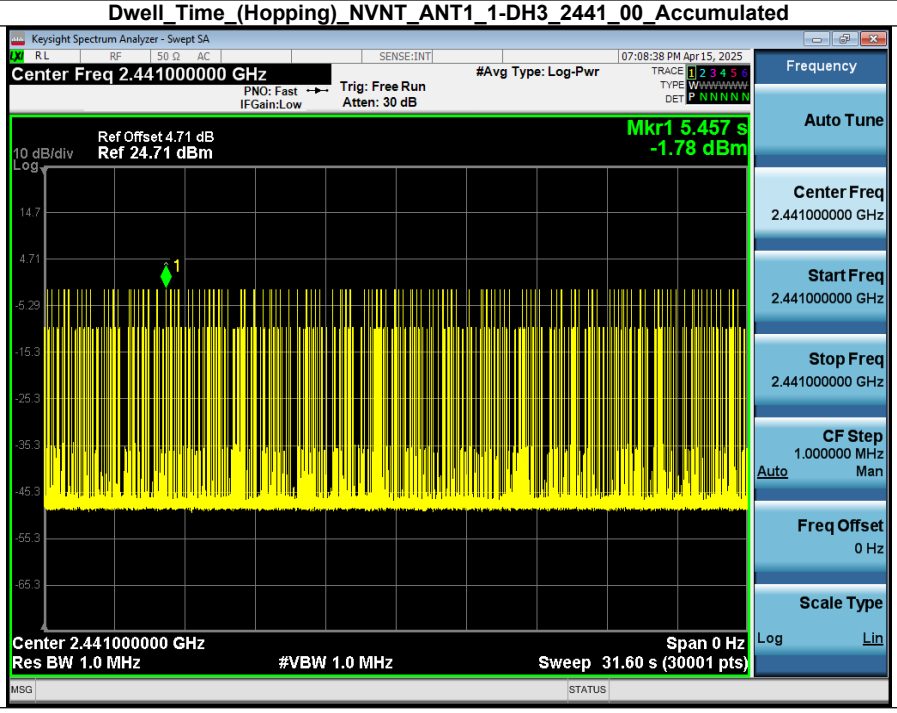
Dwell_Time_(Hopping)_NVNT_ANT1_1-DH1_2441_00_Accumulated



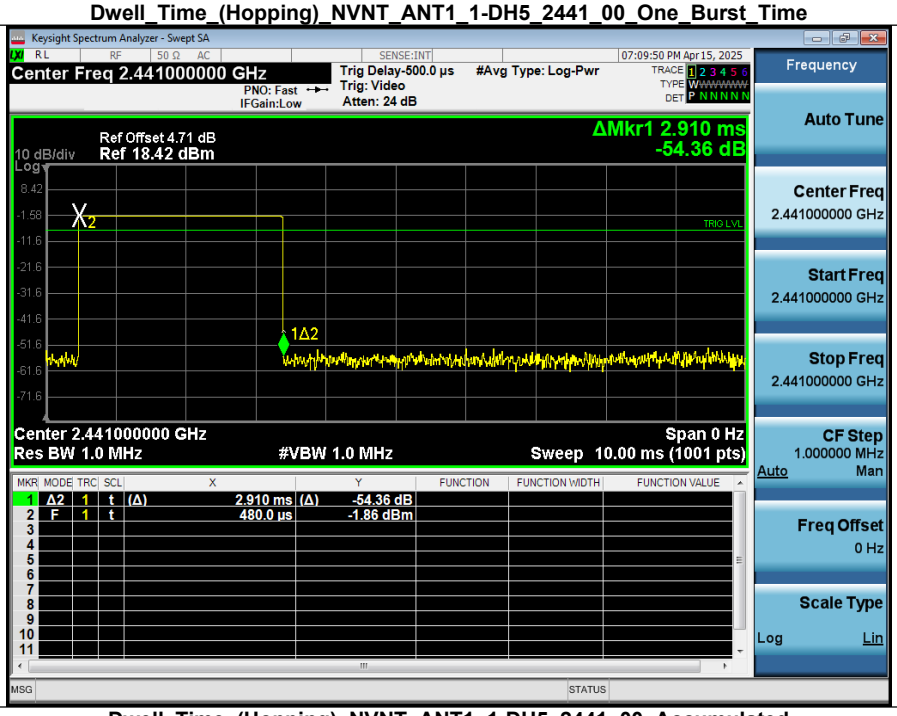
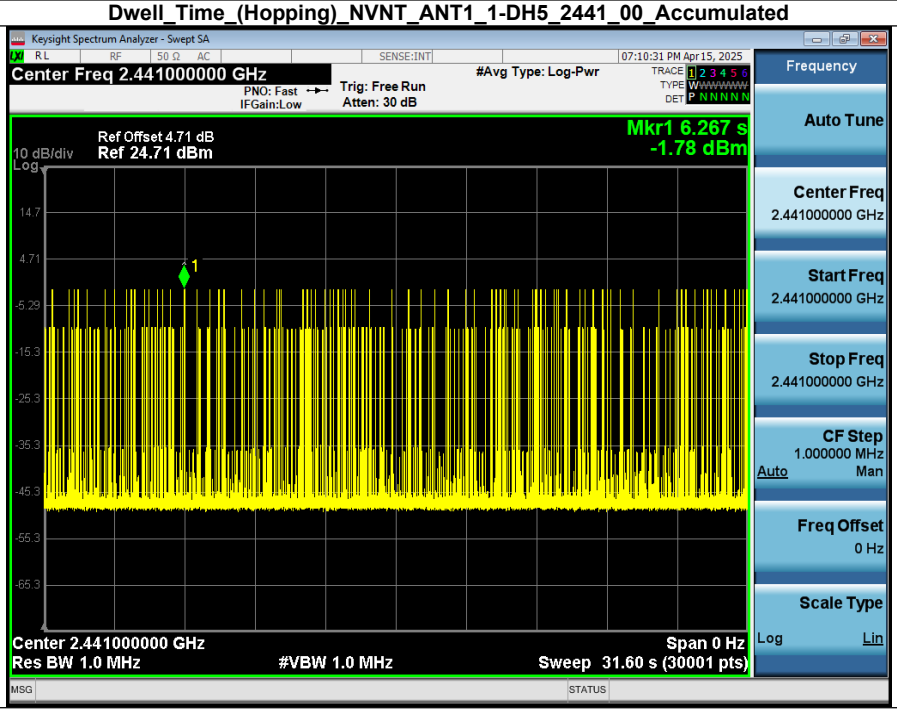
Dwell_Time_(Hopping)_NVNT_ANT1_1-DH3_2441_00_One_Burst_Time



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