

Report No.: MAX250730110P01-R01

FCC ID:2BLKX-MS03H

FCC ID EDR

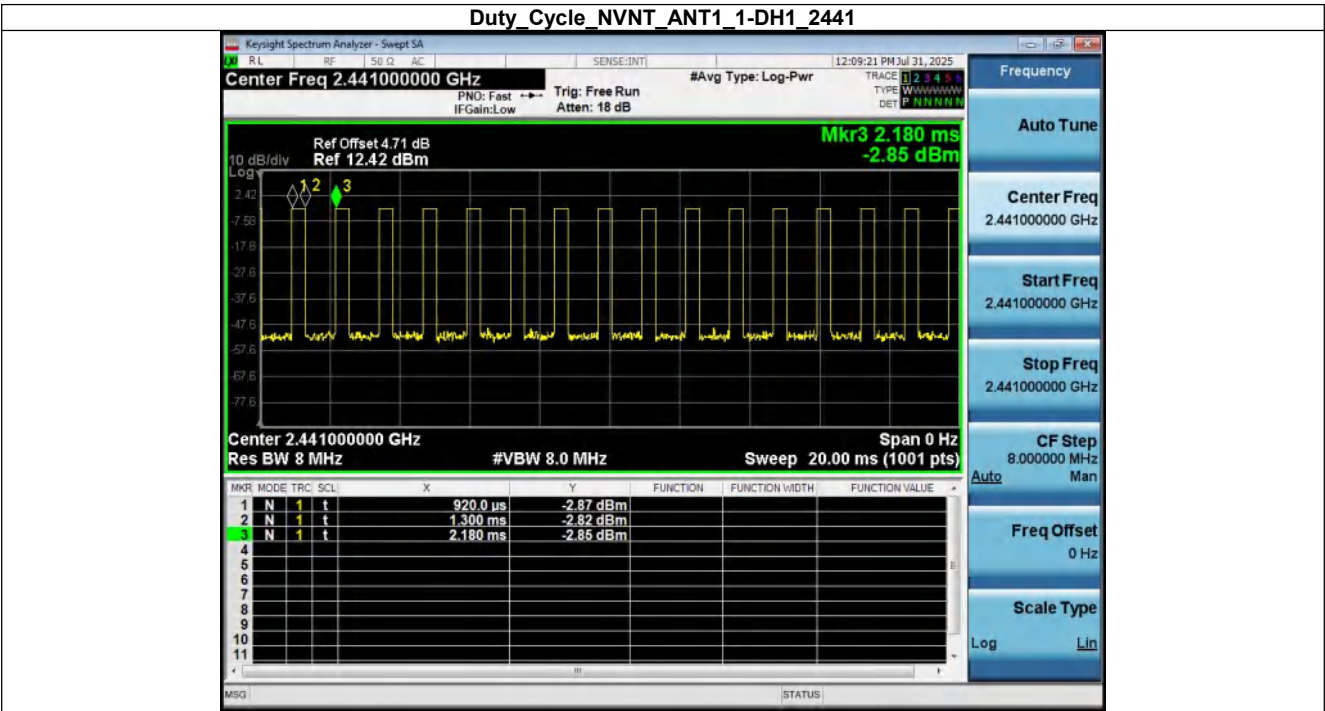
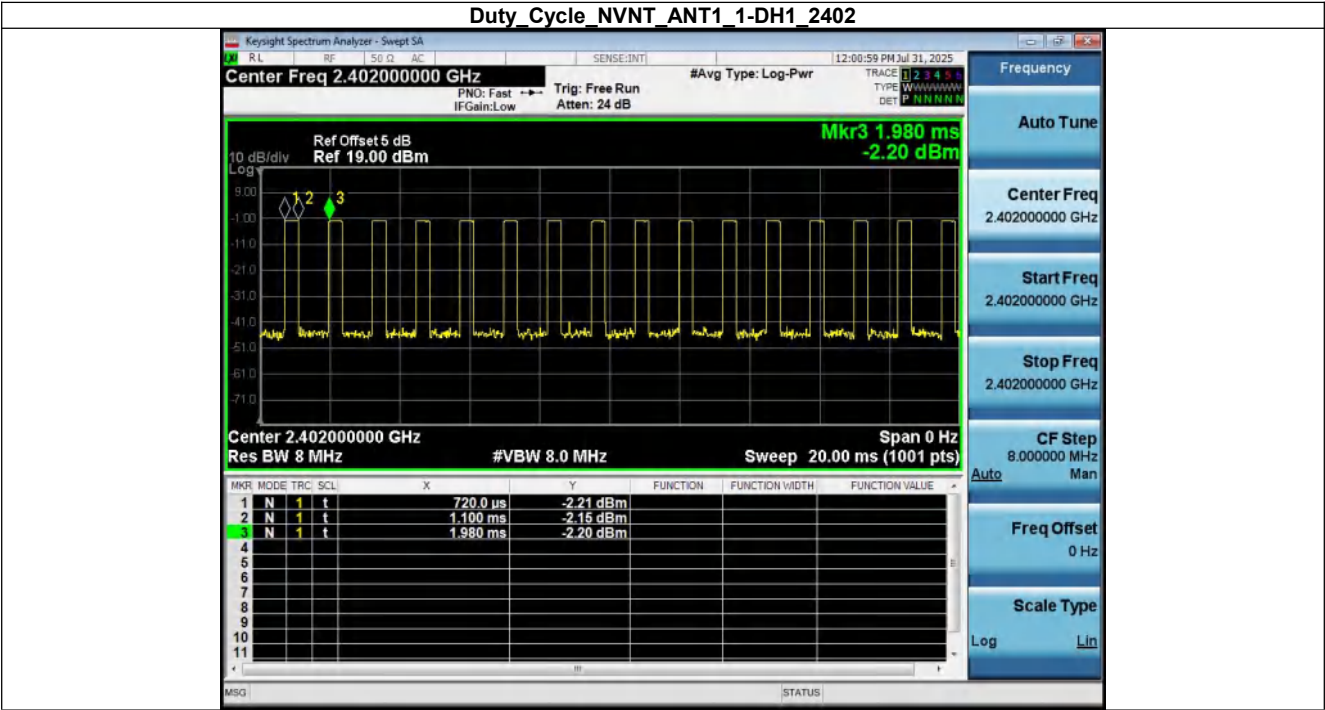
FCC_BT (Part15.247) Test Data

Table of Contents

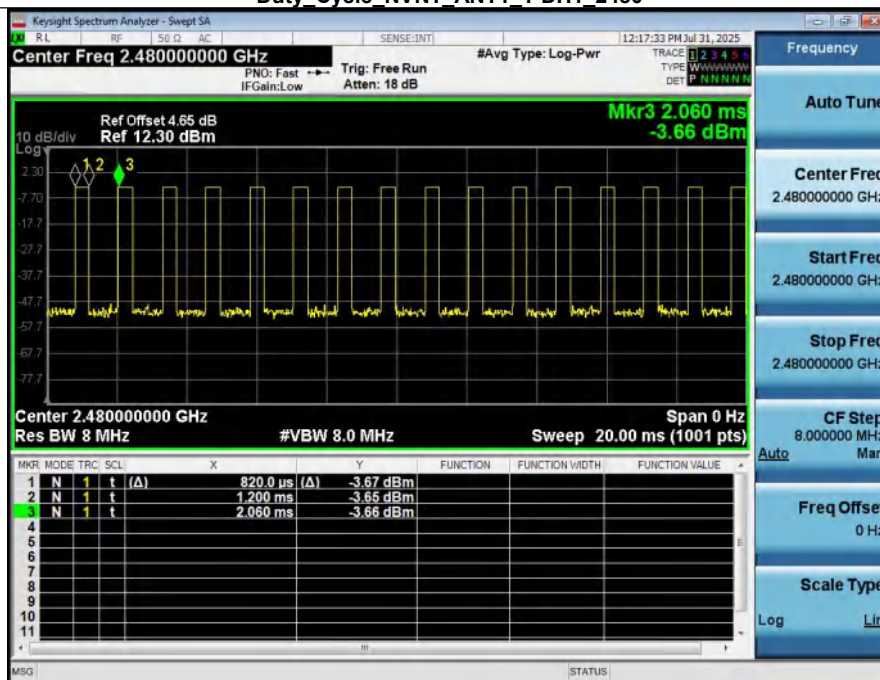
1. Duty Cycle	3
2. -20dB Bandwidth	8
3. 99% Occupied Bandwidth	13
4. Peak Output Power	18
5. Spurious Emissions	23
6. Bandedge	32
7. Carrier Frequencies Separation (Hopping)	45
8. Number of Hopping Channel (Hopping)	50
9. Dwell Time (Hopping)	52

1. Duty Cycle

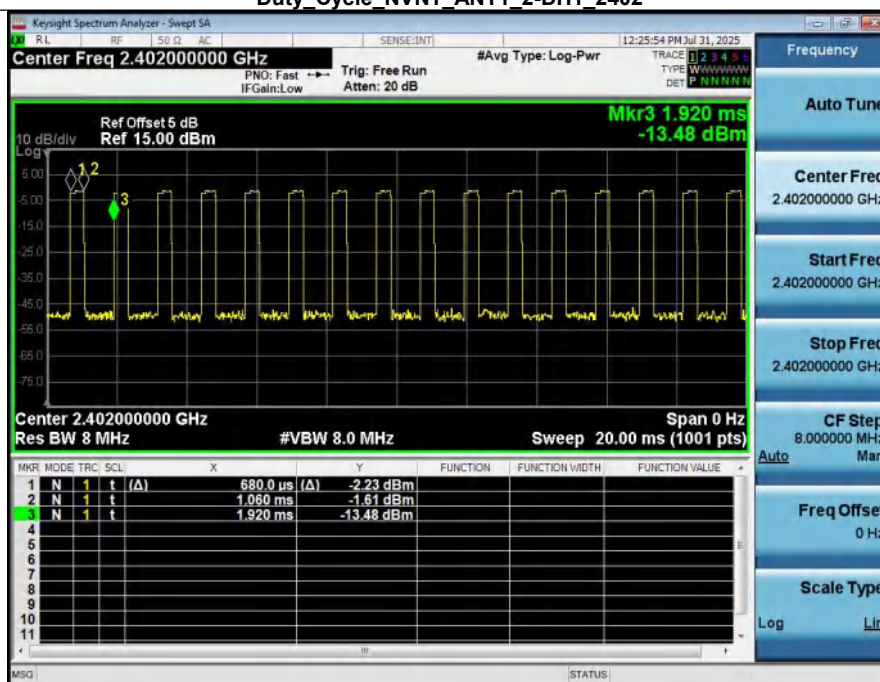
Condition	Antenna	Rate	Frequency (MHz)	Dutycycle(%)	Duty_factor
NVNT	ANT1	1-DH1	2402.00	30.16	5.21
NVNT	ANT1	1-DH1	2441.00	31.75	4.98
NVNT	ANT1	1-DH1	2480.00	30.65	5.14
NVNT	ANT1	2-DH1	2402.00	30.65	5.14
NVNT	ANT1	2-DH1	2441.00	31.75	4.98
NVNT	ANT1	2-DH1	2480.00	31.75	4.98
NVNT	ANT1	3-DH1	2402.00	30.65	5.14
NVNT	ANT1	3-DH1	2441.00	33.33	4.77
NVNT	ANT1	3-DH1	2480.00	30.65	5.14



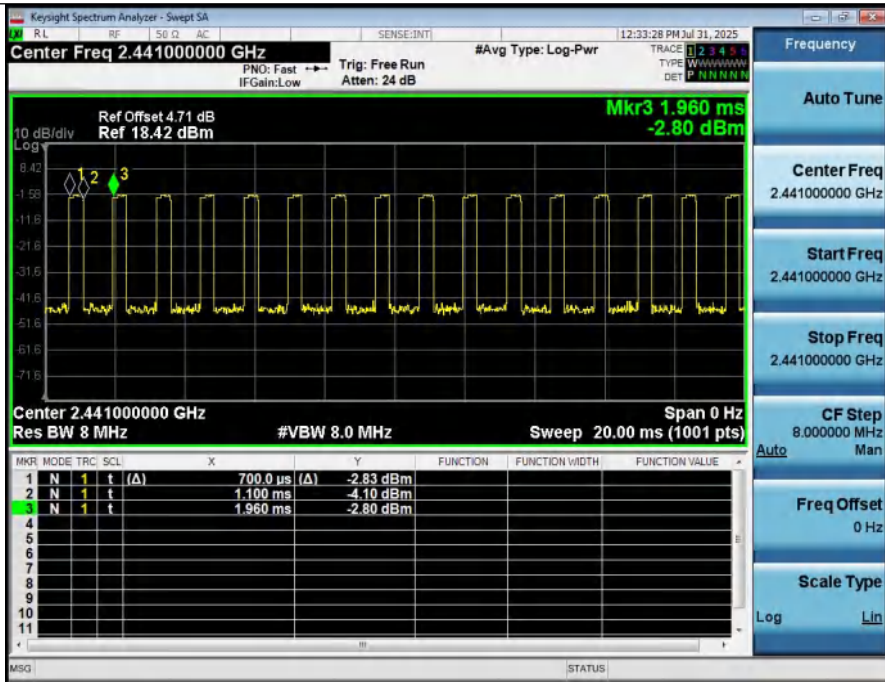
Duty Cycle_NVNT_ANT1_1-DH1_2480



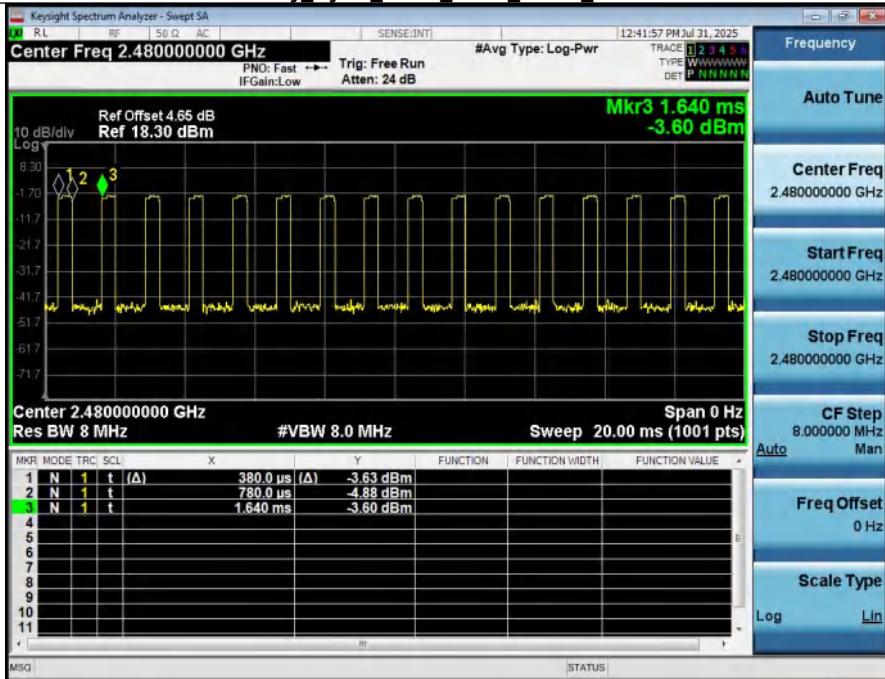
Duty Cycle_NVNT_ANT1_2-DH1_2402



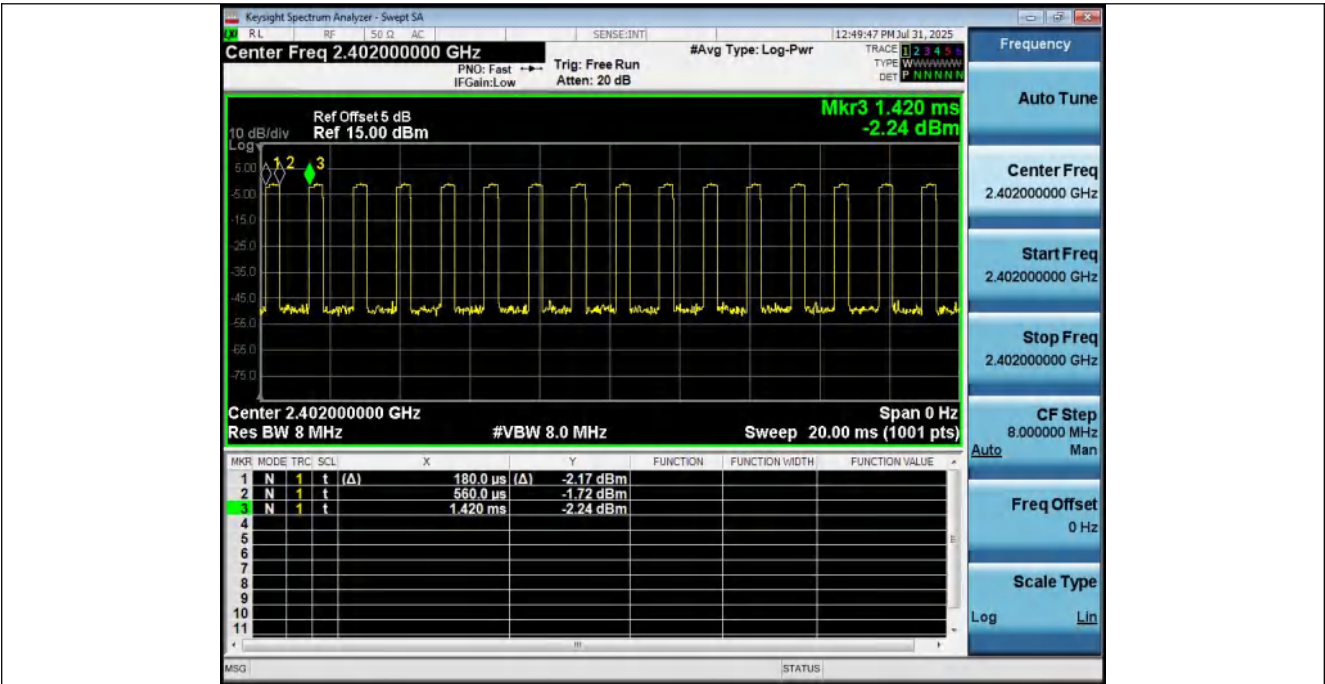
Duty Cycle_NVNT_ANT1_2-DH1_2441



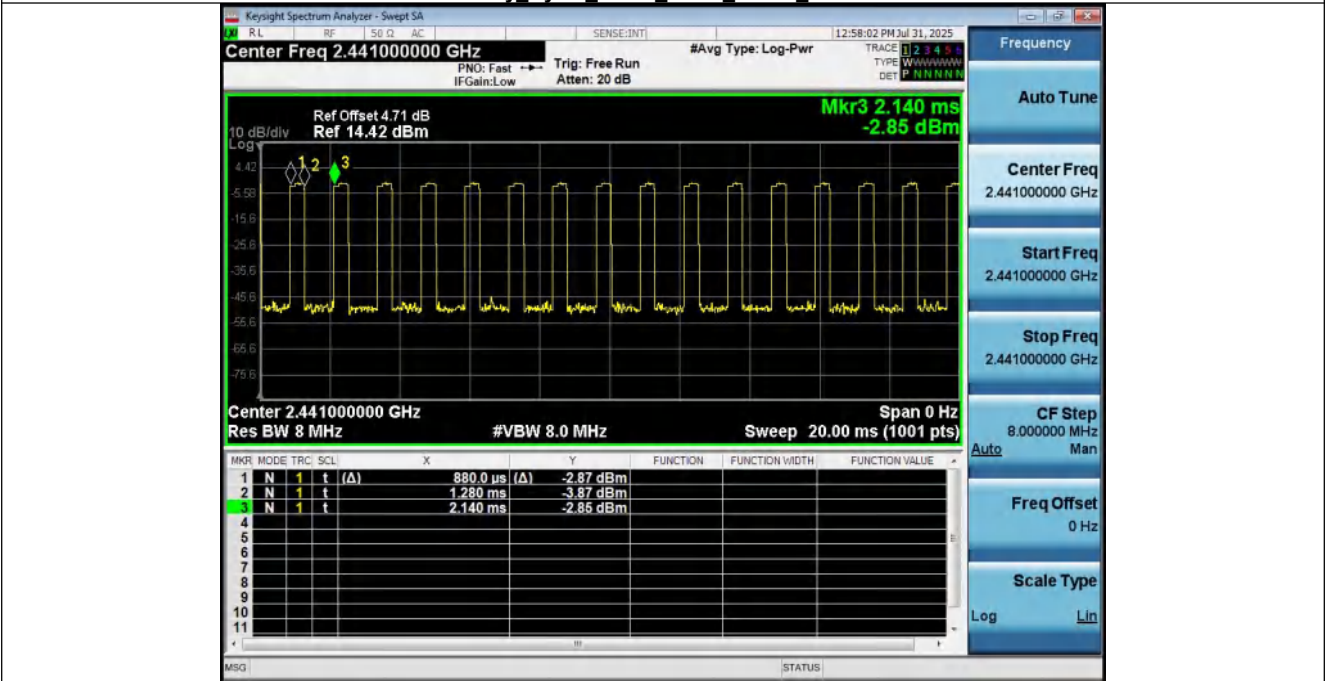
Duty Cycle_NVNT_ANT1_2-DH1_2480



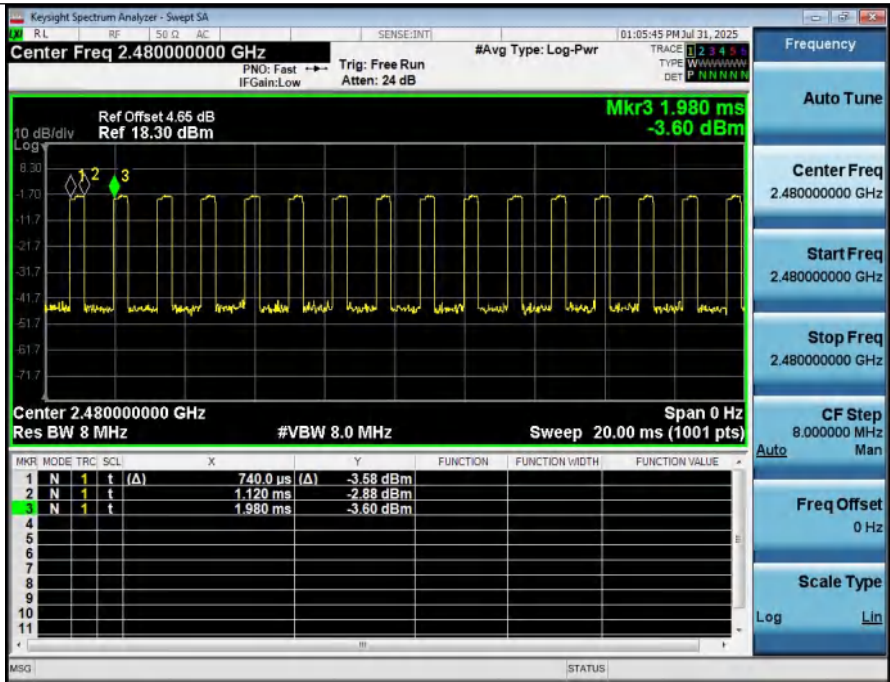
Duty Cycle_NVNT_ANT1_3-DH1_2402



Duty_Cycle_NVNT_ANT1_3-DH1_2441

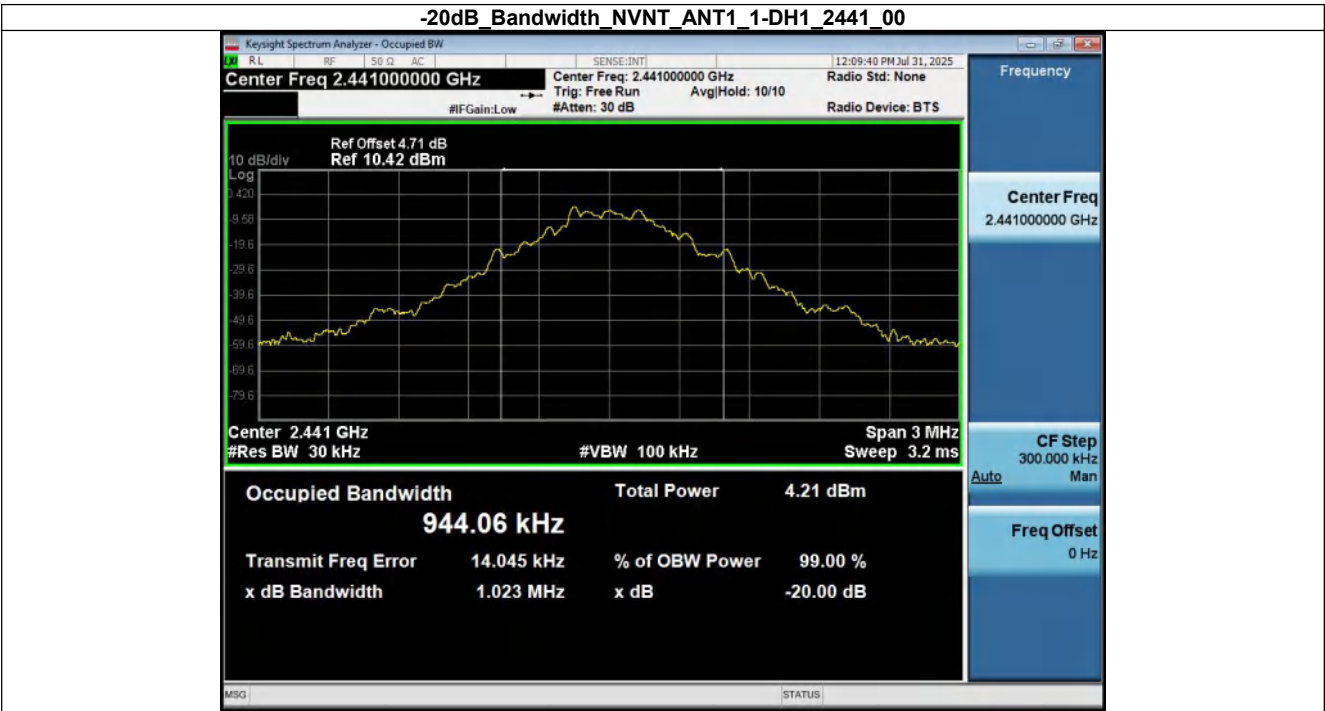


Duty_Cycle_NVNT_ANT1_3-DH1_2480



2. -20dB Bandwidth

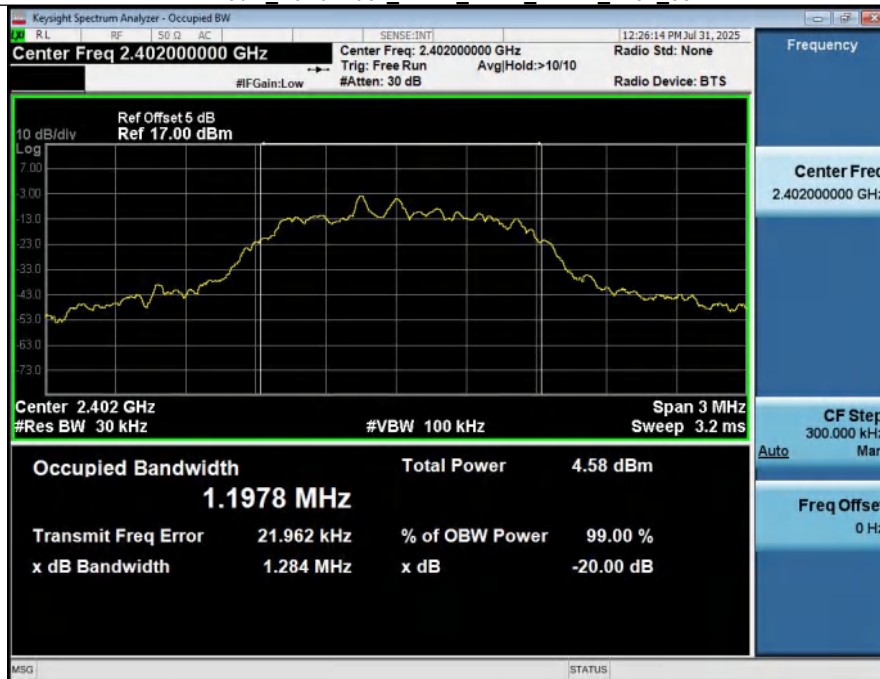
Condition	Antenna	Modulation	Frequency (MHz)	-20dB BW(MHz)	if larger than CFS
NVNT	ANT1	1-DH1	2402.00	1.028	Yes
NVNT	ANT1	1-DH1	2441.00	1.023	Yes
NVNT	ANT1	1-DH1	2480.00	1.023	Yes
NVNT	ANT1	2-DH1	2402.00	1.284	Yes
NVNT	ANT1	2-DH1	2441.00	1.277	Yes
NVNT	ANT1	2-DH1	2480.00	1.291	Yes
NVNT	ANT1	3-DH1	2402.00	1.261	Yes
NVNT	ANT1	3-DH1	2441.00	1.257	Yes
NVNT	ANT1	3-DH1	2480.00	1.251	Yes



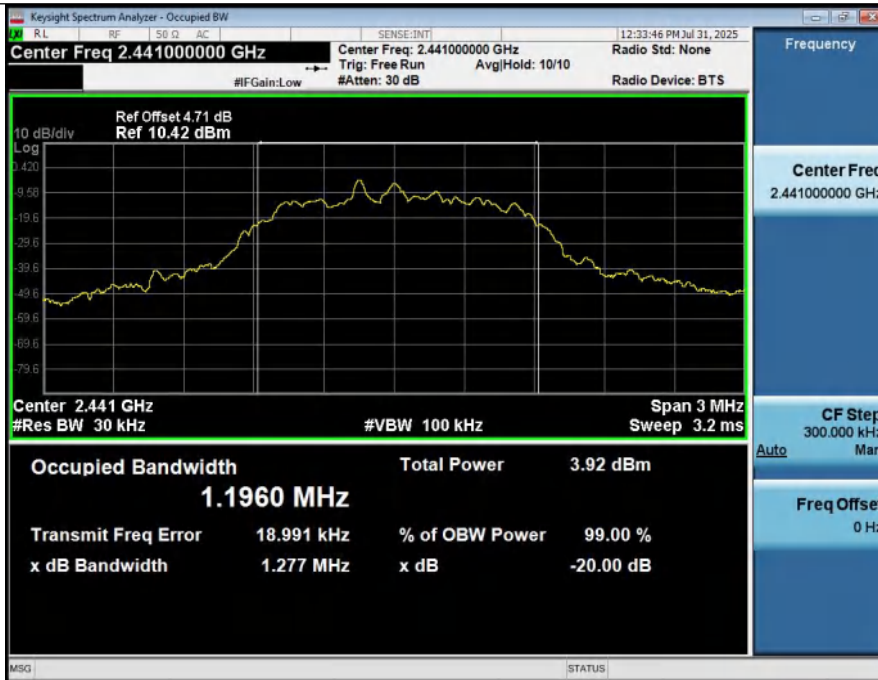
-20dB_Bandwidth_NVNT_ANT1_1-DH1_2480_00



-20dB_Bandwidth_NVNT_ANT1_2-DH1_2402_00



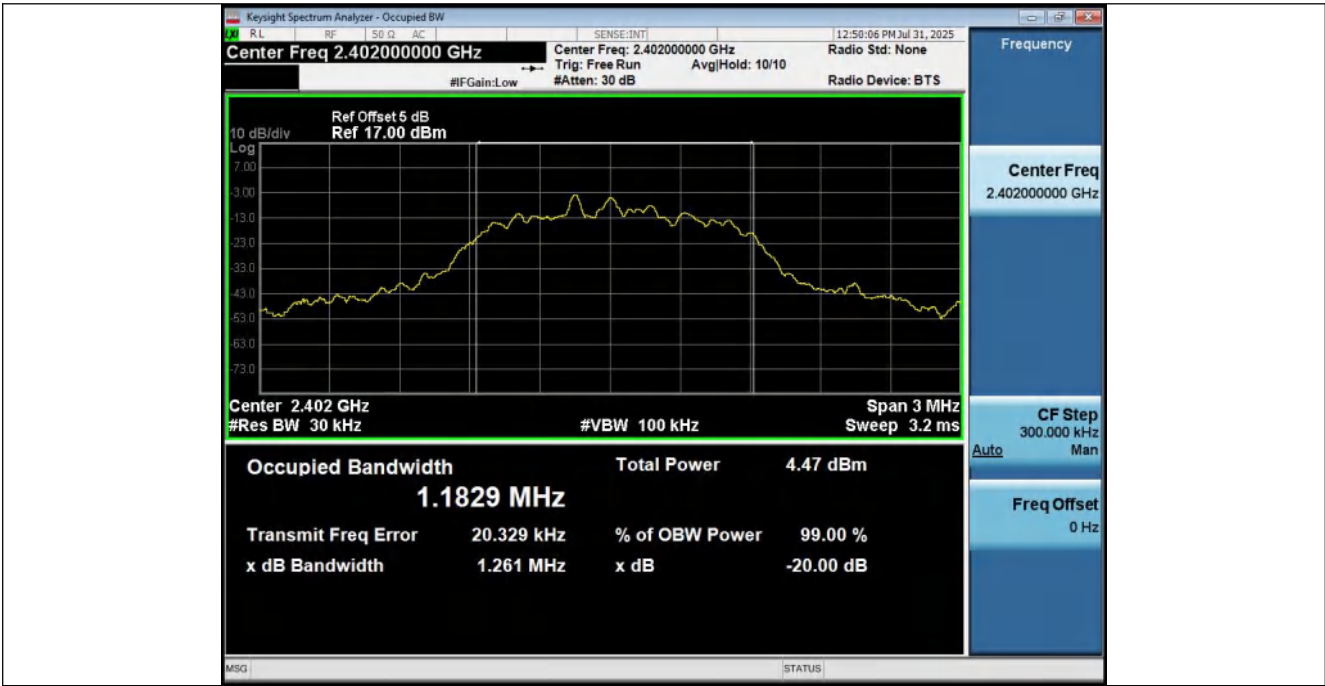
-20dB_Bandwidth_NVNT_ANT1_2-DH1_2441_00



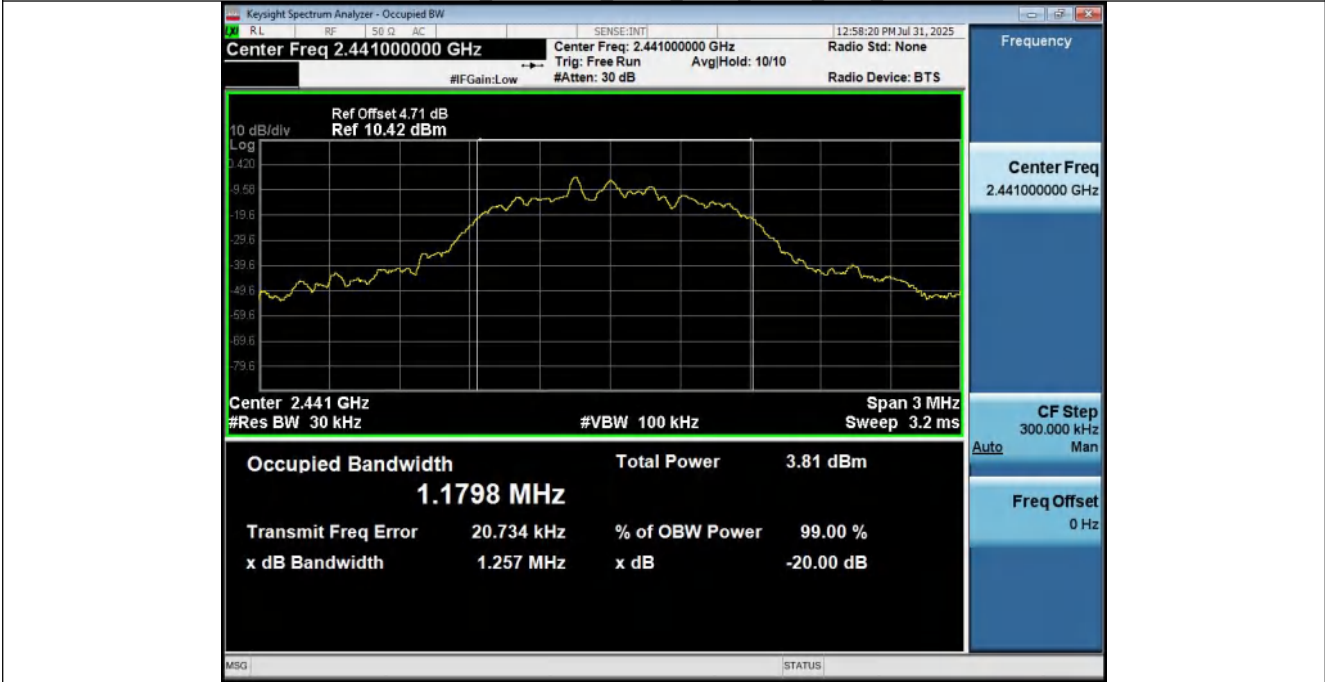
-20dB_Bandwidth_NVNT_ANT1_2-DH1_2480_00



-20dB_Bandwidth_NVNT_ANT1_3-DH1_2402_00



-20dB_Bandwidth_NVNT_ANT1_3-DH1_2441_00

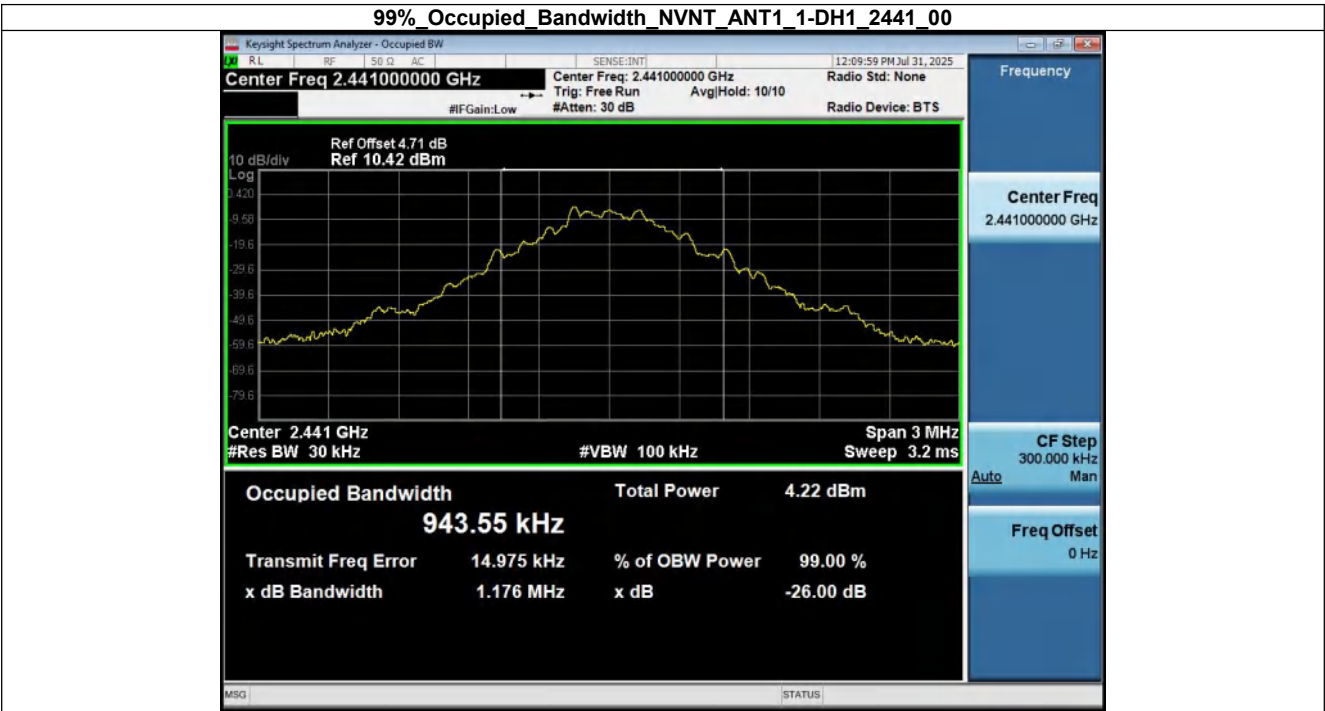


-20dB_Bandwidth_NVNT_ANT1_3-DH1_2480_00



3. 99% Occupied Bandwidth

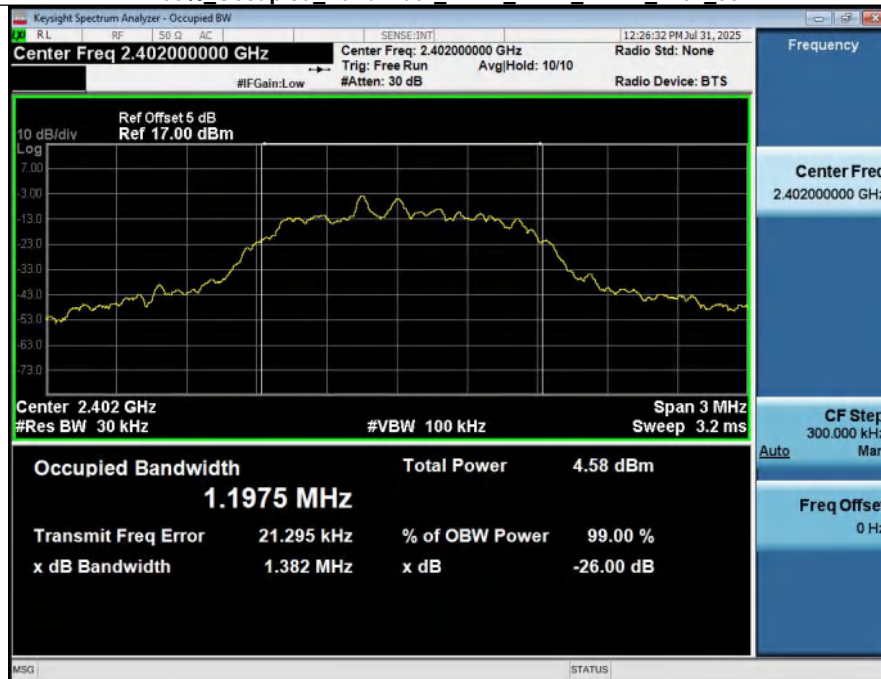
Condition	Antenna	Modulation	Frequency (MHz)	99%%BW(MHz)
NVNT	ANT1	1-DH1	2402.00	0.916
NVNT	ANT1	1-DH1	2441.00	0.944
NVNT	ANT1	1-DH1	2480.00	0.939
NVNT	ANT1	2-DH1	2402.00	1.198
NVNT	ANT1	2-DH1	2441.00	1.193
NVNT	ANT1	2-DH1	2480.00	1.191
NVNT	ANT1	3-DH1	2402.00	1.183
NVNT	ANT1	3-DH1	2441.00	1.180
NVNT	ANT1	3-DH1	2480.00	1.173



99% Occupied Bandwidth NVNT_ANT1_1-DH1_2480_00



99% Occupied Bandwidth NVNT_ANT1_2-DH1_2402_00



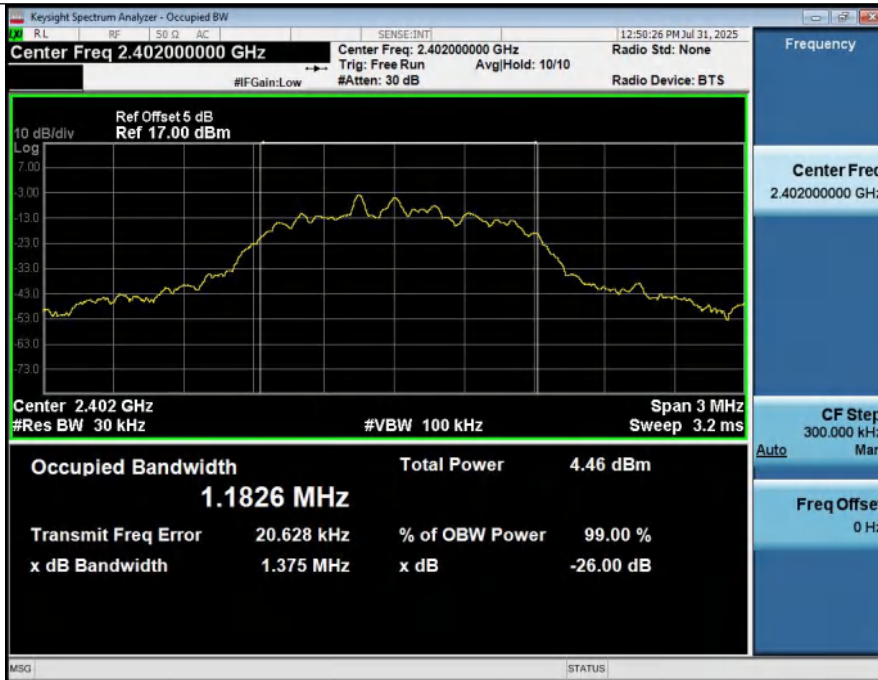
99% Occupied Bandwidth NVNT_ANT1_2-DH1_2441_00



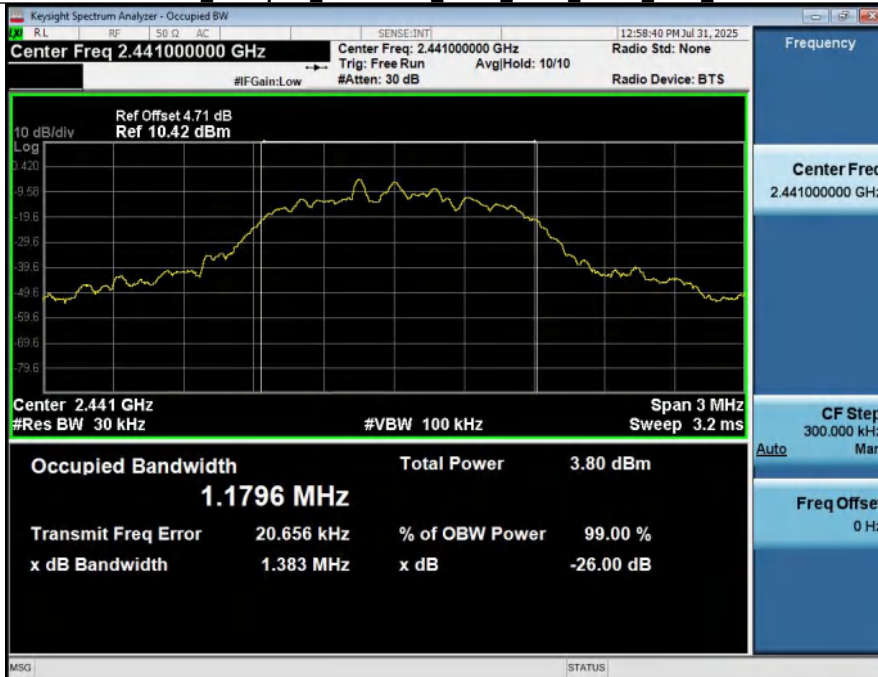
99% Occupied Bandwidth_NVNT_ANT1_2-DH1_2480_00



99% Occupied Bandwidth_NVNT_ANT1_3-DH1_2402_00



99% Occupied Bandwidth NVNT_ANT1_3-DH1_2441_00

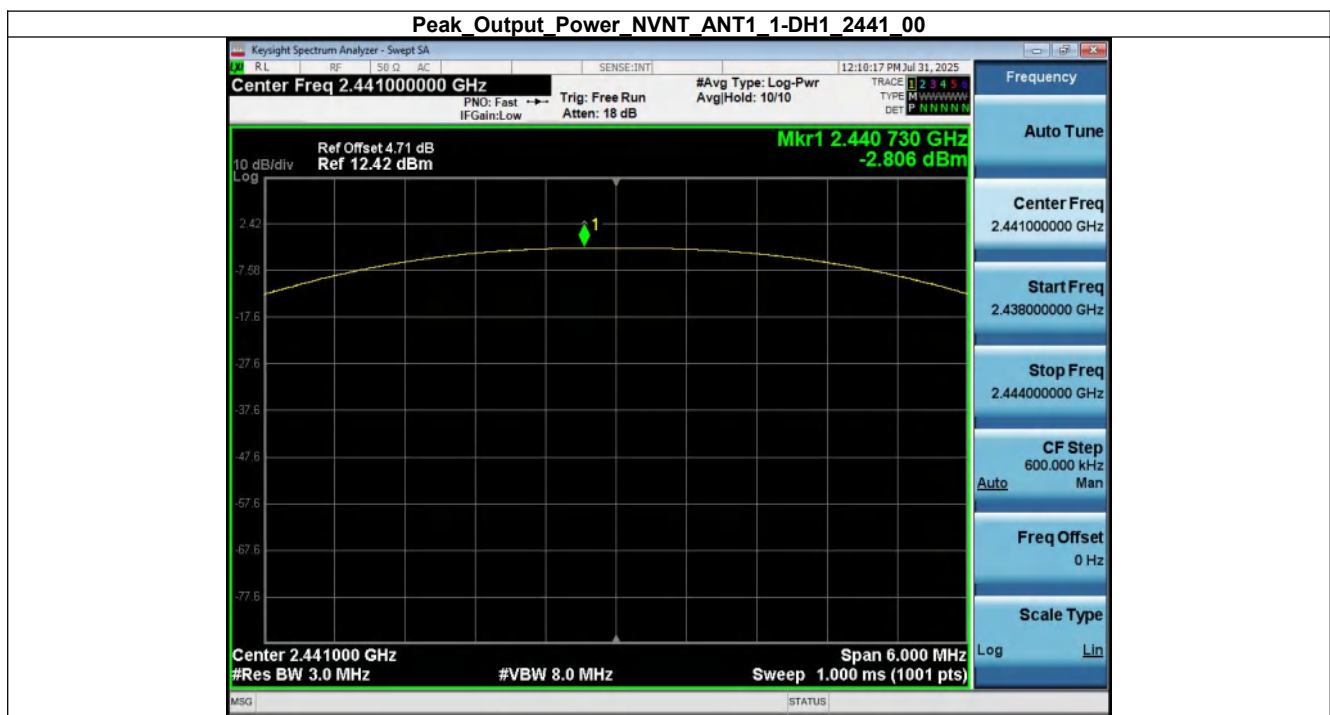
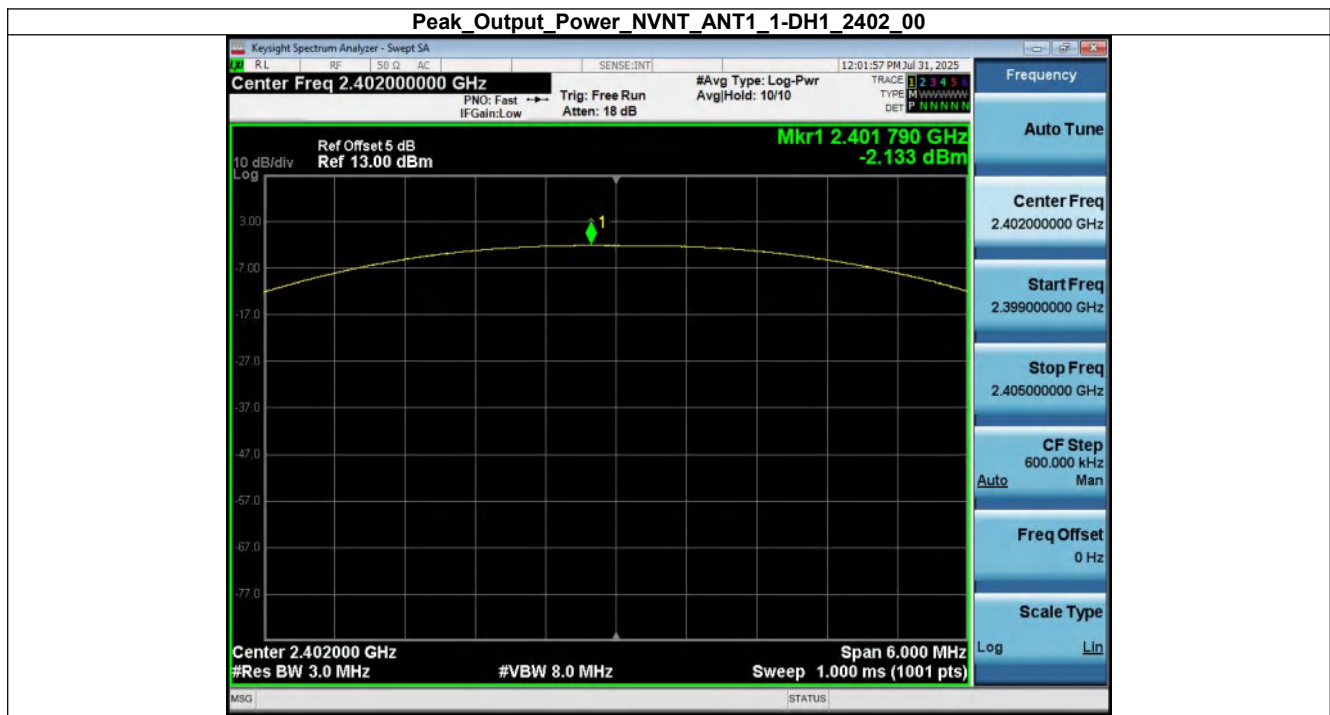


99% Occupied Bandwidth NVNT_ANT1_3-DH1_2480_00



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	-2.13	0.61	125	Pass
NVNT	ANT1	1-DH1	2441.00	-2.81	0.52	125	Pass
NVNT	ANT1	1-DH1	2480.00	-3.60	0.44	125	Pass
NVNT	ANT1	2-DH1	2402.00	-1.35	0.73	125	Pass
NVNT	ANT1	2-DH1	2441.00	-1.95	0.64	125	Pass
NVNT	ANT1	2-DH1	2480.00	-2.71	0.54	125	Pass
NVNT	ANT1	3-DH1	2402.00	-0.81	0.83	125	Pass
NVNT	ANT1	3-DH1	2441.00	-1.38	0.73	125	Pass
NVNT	ANT1	3-DH1	2480.00	-2.17	0.61	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



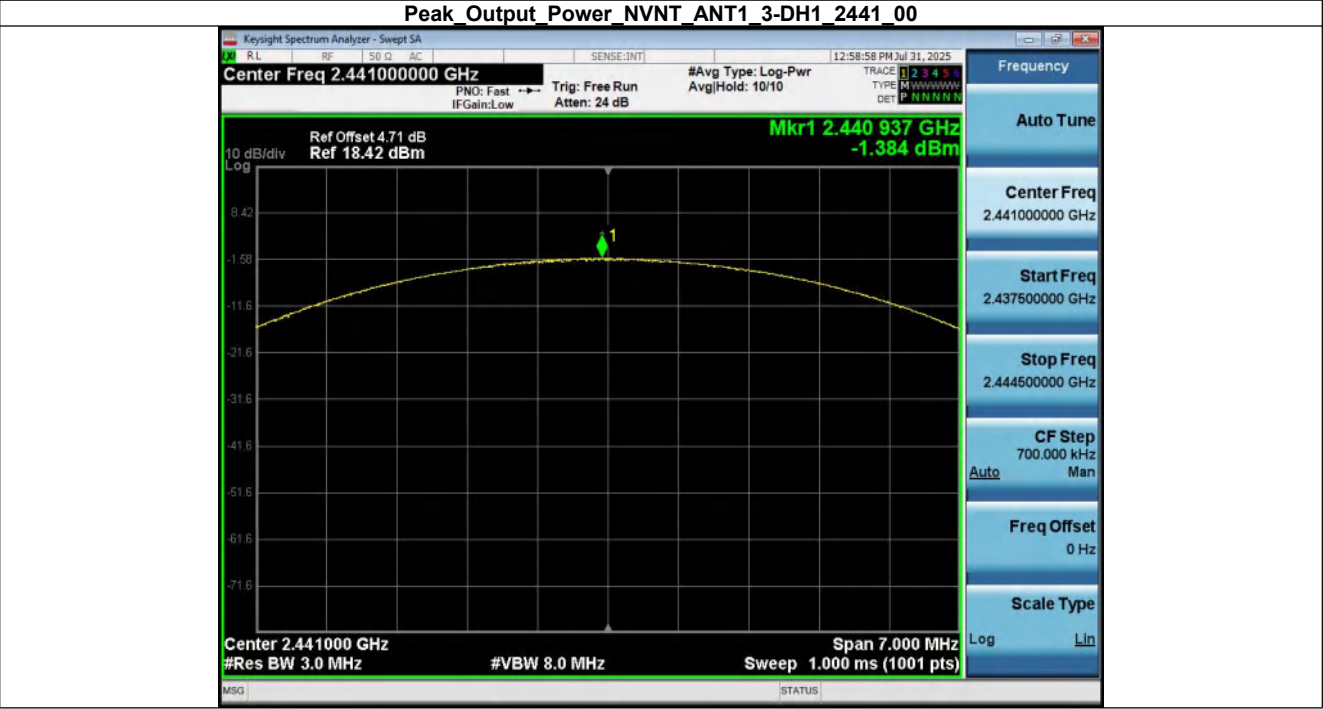
Peak_Output_Power_NVNT_ANT1_2-DH1_2480_00



Peak_Output_Power_NVNT_ANT1_3-DH1_2402_00



Peak_Output_Power_NVNT_ANT1_3-DH1_2441_00



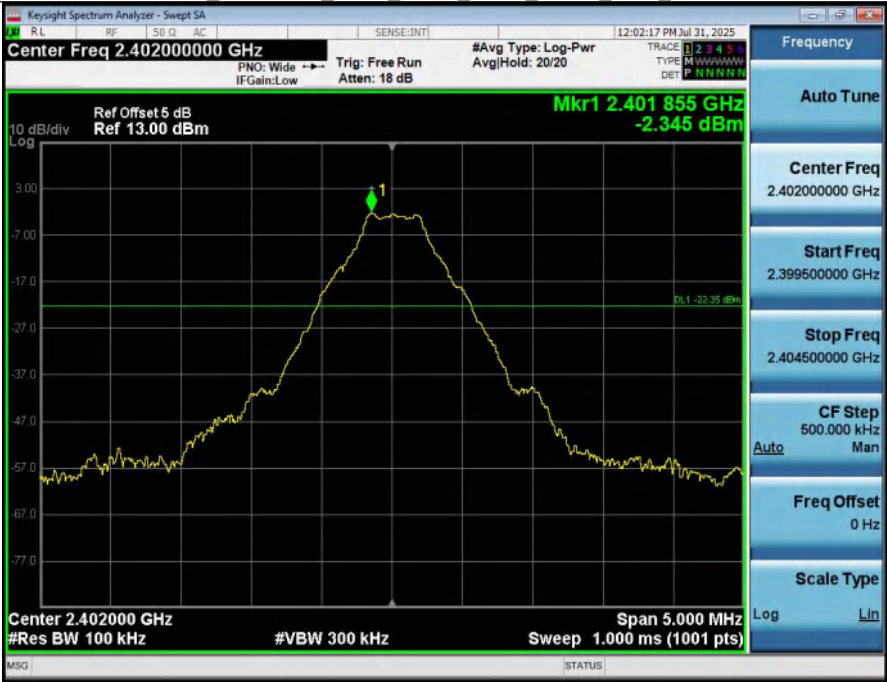
Peak_Output_Power_NVNT_ANT1_3-DH1_2480_00



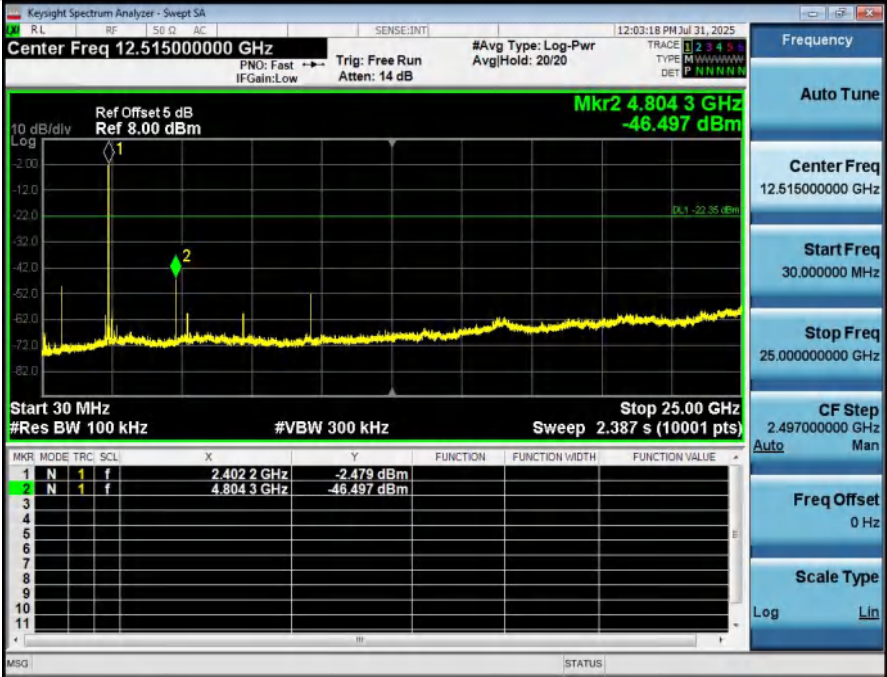
5. Spurious Emissions

Condition	Antenna	Modulation	TX Mode	Ref_level(dBm)	Spurious MAX.Value(dBm)	Limit	Result
NVNT	ANT1	1-DH1	2402.00	-2.345	-46.497	-22.345	Pass
NVNT	ANT1	1-DH1	2441.00	-3.040	-47.673	-23.040	Pass
NVNT	ANT1	1-DH1	2480.00	-3.843	-48.491	-23.843	Pass
NVNT	ANT1	2-DH1	2402.00	-2.360	-37.394	-22.360	Pass
NVNT	ANT1	2-DH1	2441.00	-3.168	-46.022	-23.168	Pass
NVNT	ANT1	2-DH1	2480.00	-3.823	-48.810	-23.823	Pass
NVNT	ANT1	3-DH1	2402.00	-2.331	-44.016	-22.331	Pass
NVNT	ANT1	3-DH1	2441.00	-3.027	-48.498	-23.027	Pass
NVNT	ANT1	3-DH1	2480.00	-3.808	-50.322	-23.808	Pass

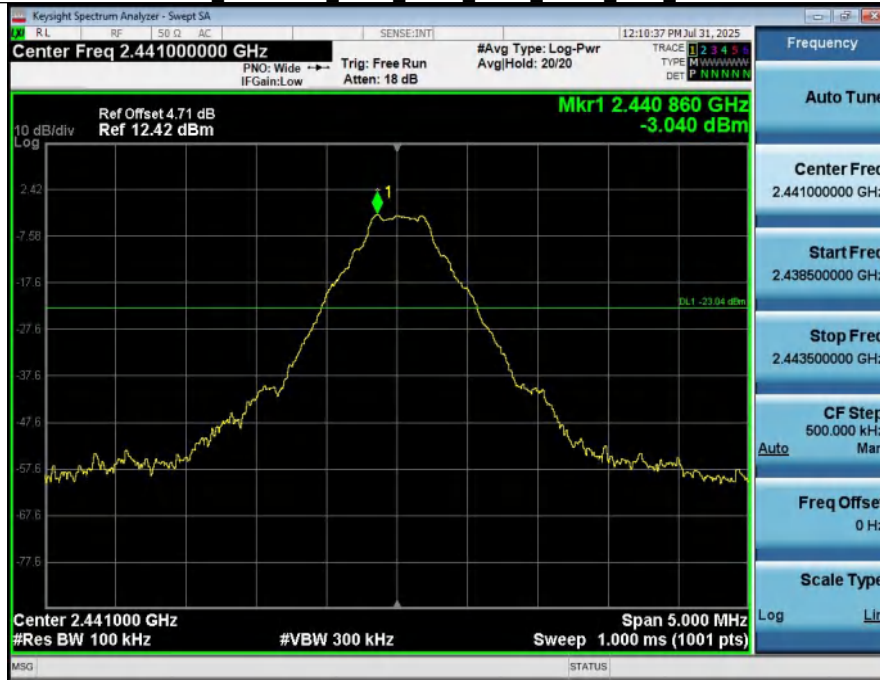
1_Reference_Level_NVNT_ANT1_1-DH1_2402_00



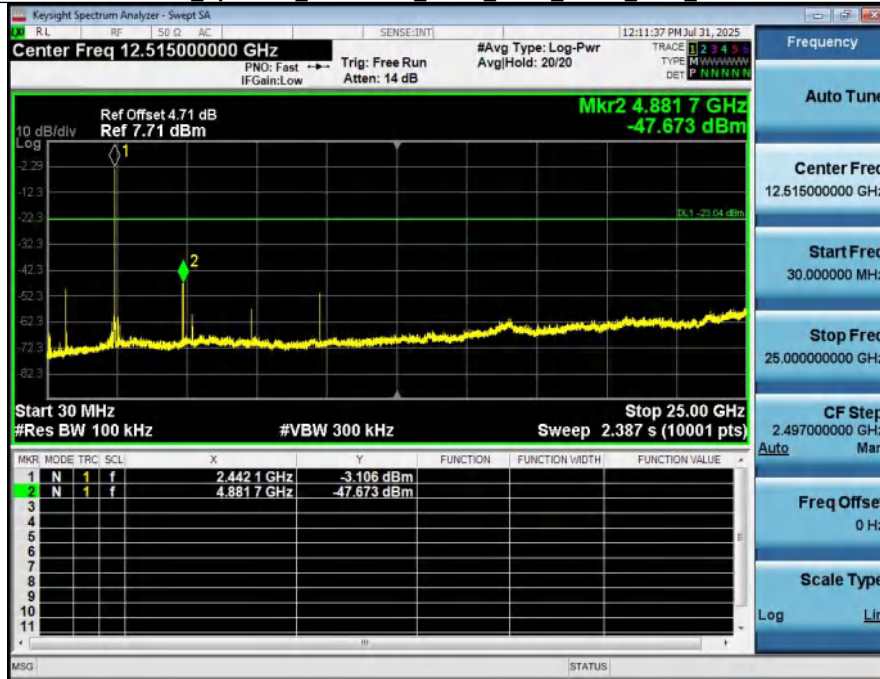
2_Spurious_Emissions_NVNT_ANT1_1-DH1_2402_00



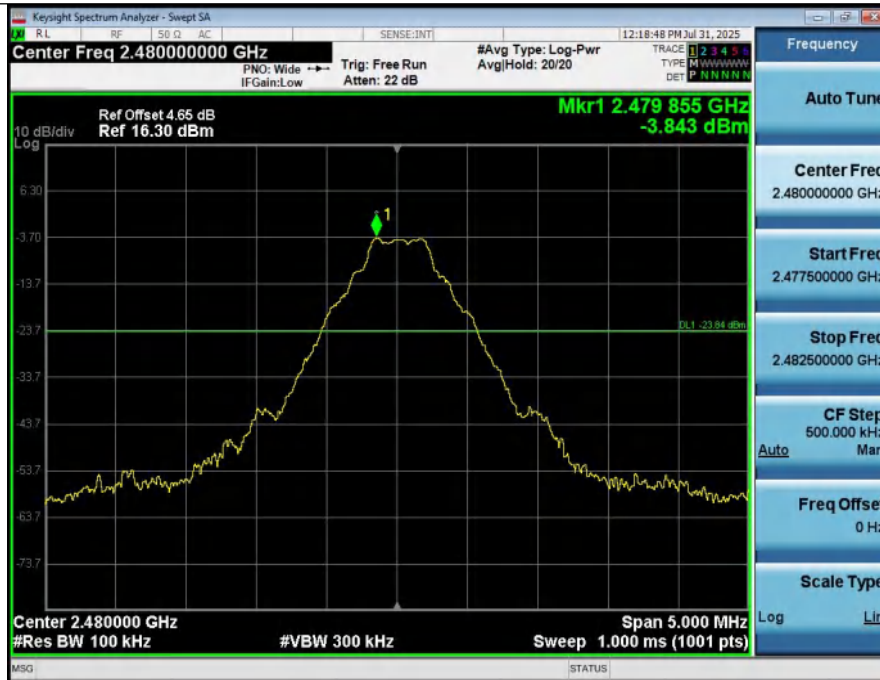
1 Reference Level NVNT ANT1 1-DH1 2441 00



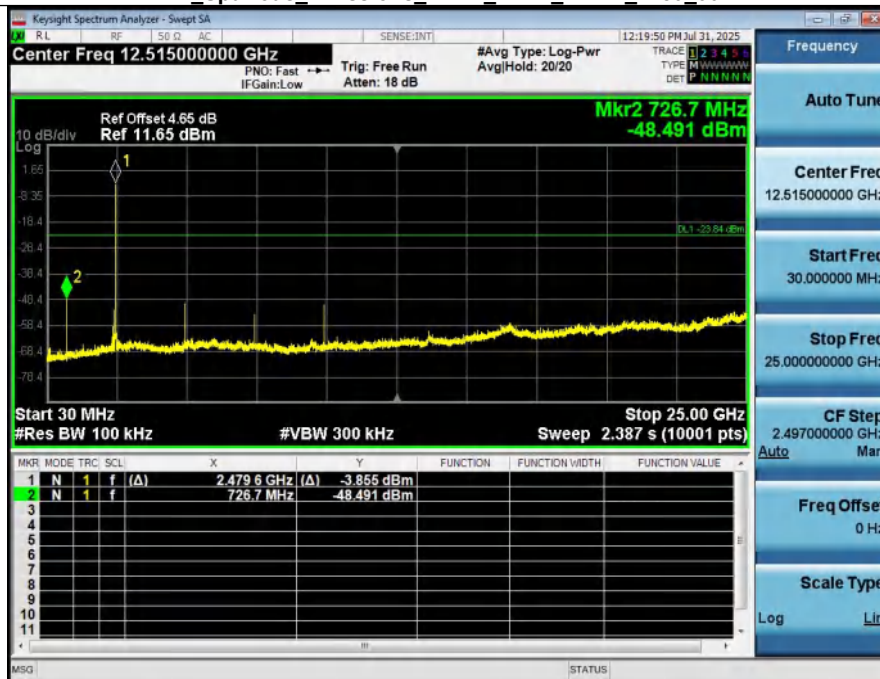
2 Spurious Emissions NVNT ANT1 1-DH1 2441 00



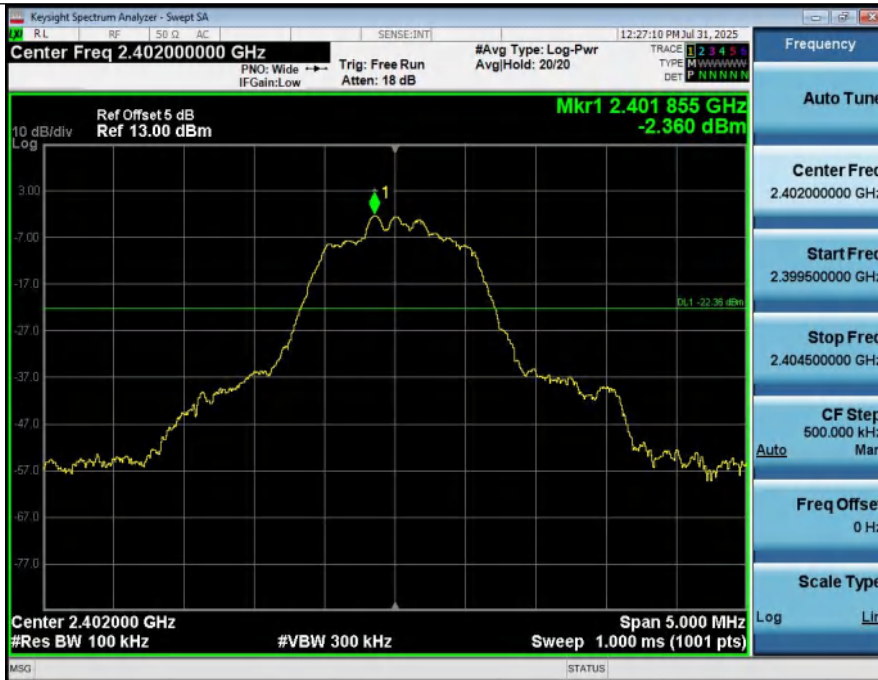
1 Reference Level NVNT ANT1 1-DH1 2480 00



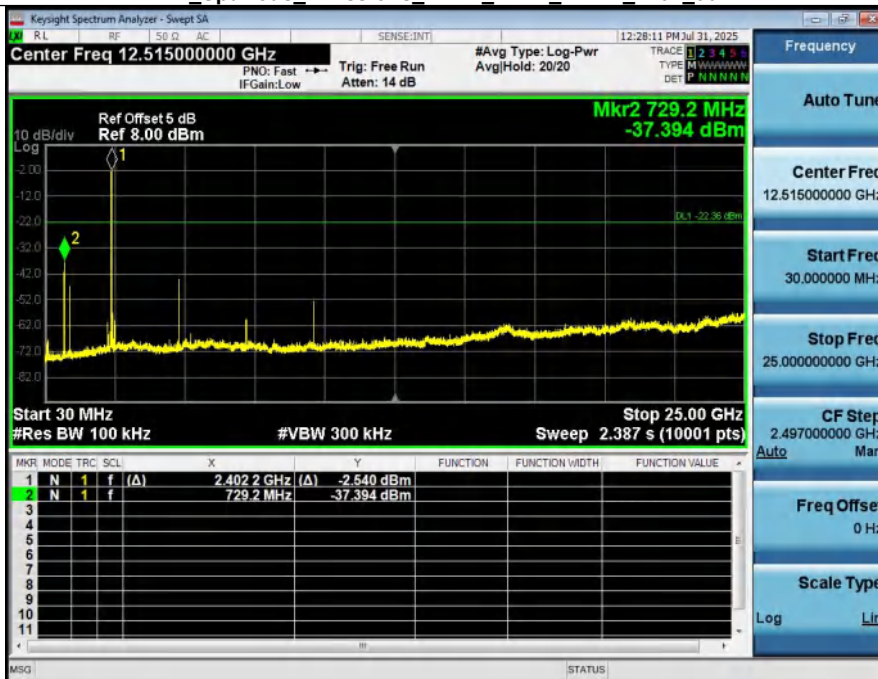
2_Spurious_Emissions_NVNT_ANT1_1-DH1_2480_00



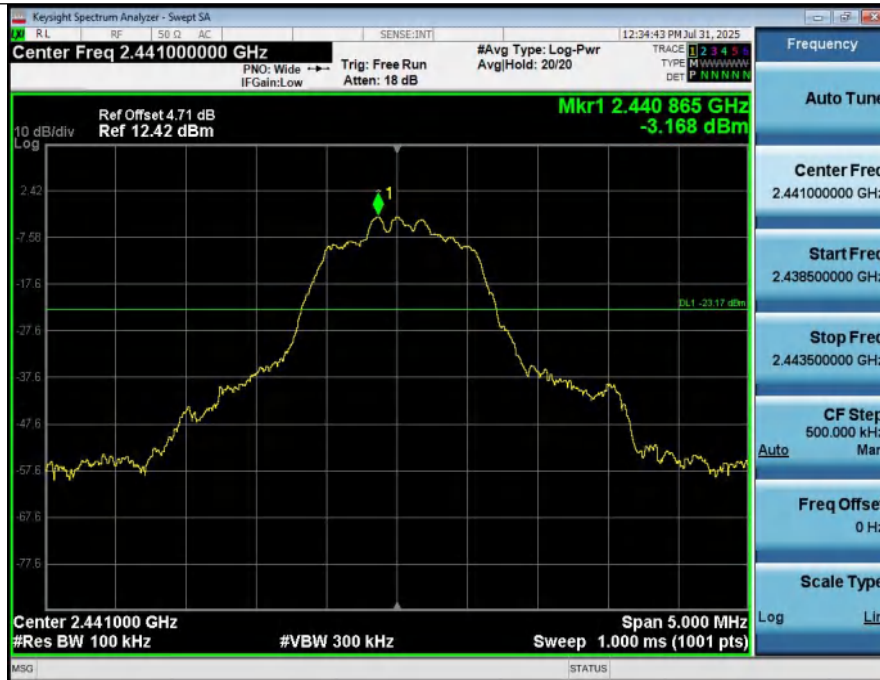
1_Reference_Level_NVNT_ANT1_2-DH1_2402_00



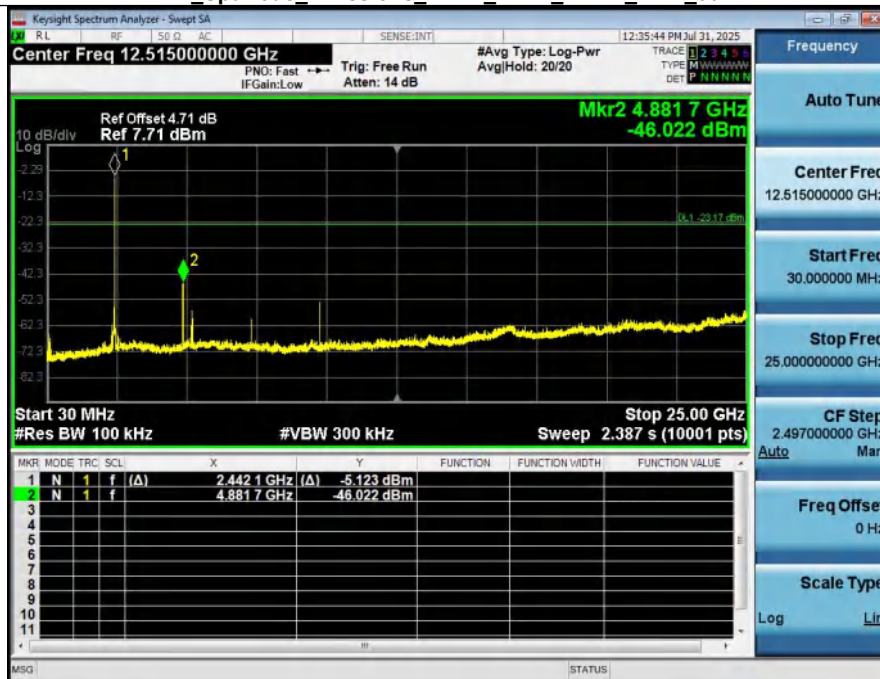
2_Spurious_Emissions_NVNT_ANT1_2-DH1_2402_00



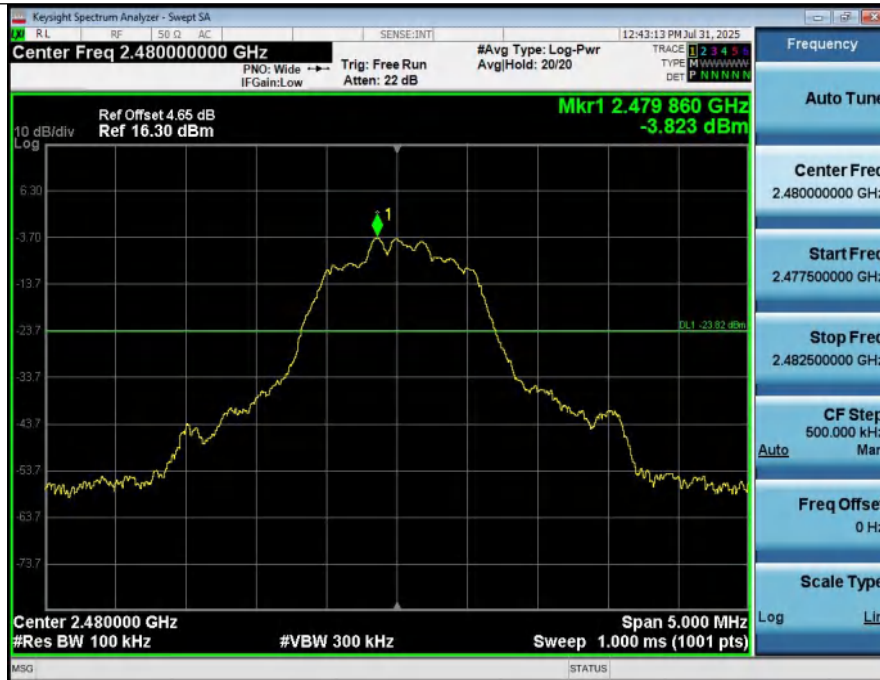
1_Reference_Level_NVNT_ANT1_2-DH1_2441_00



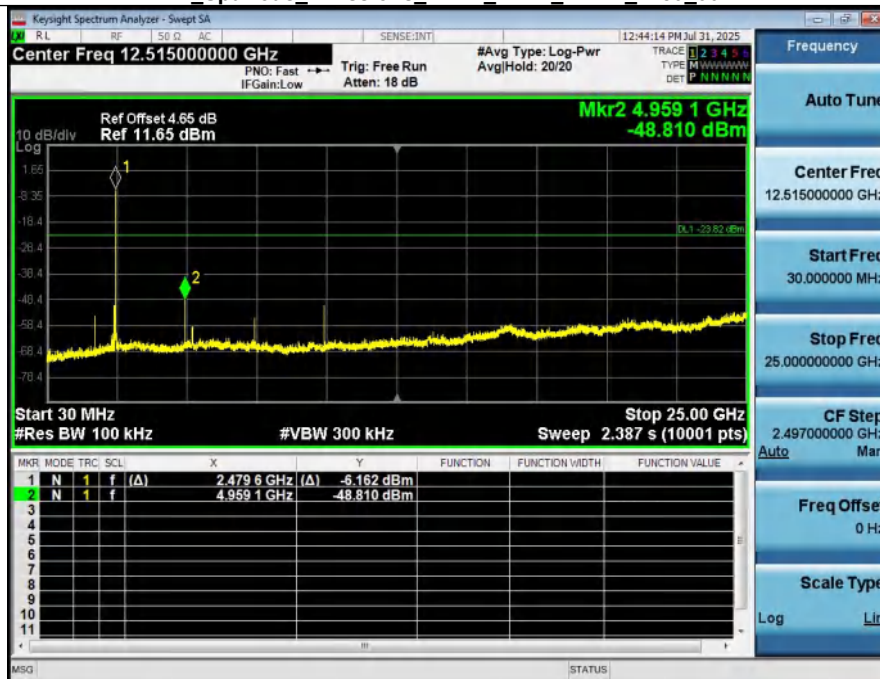
2_Spurious_Emissions_NVNT_ANT1_2-DH1_2441_00



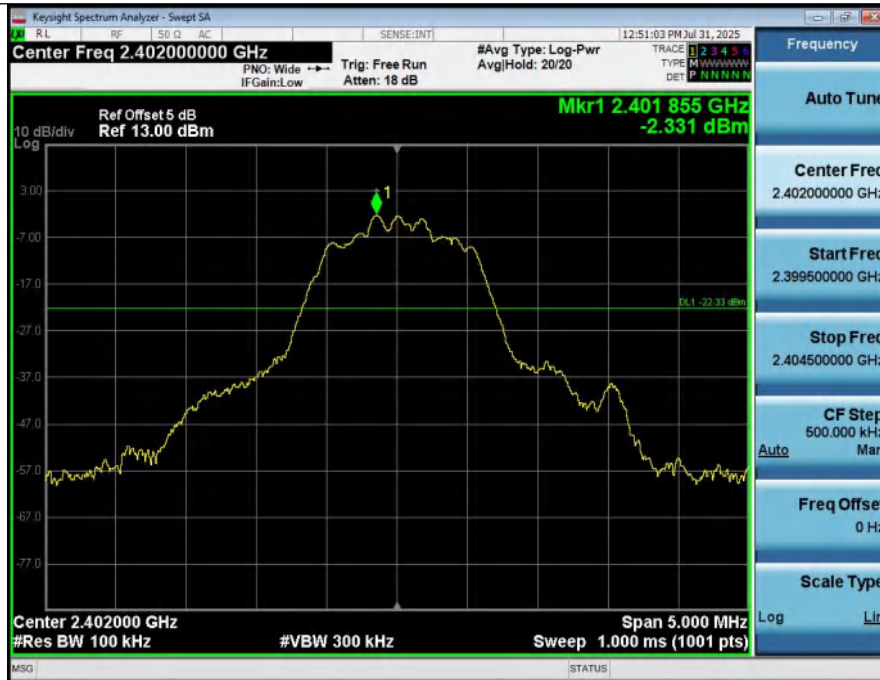
1_Reference_Level_NVNT_ANT1_2-DH1_2480_00



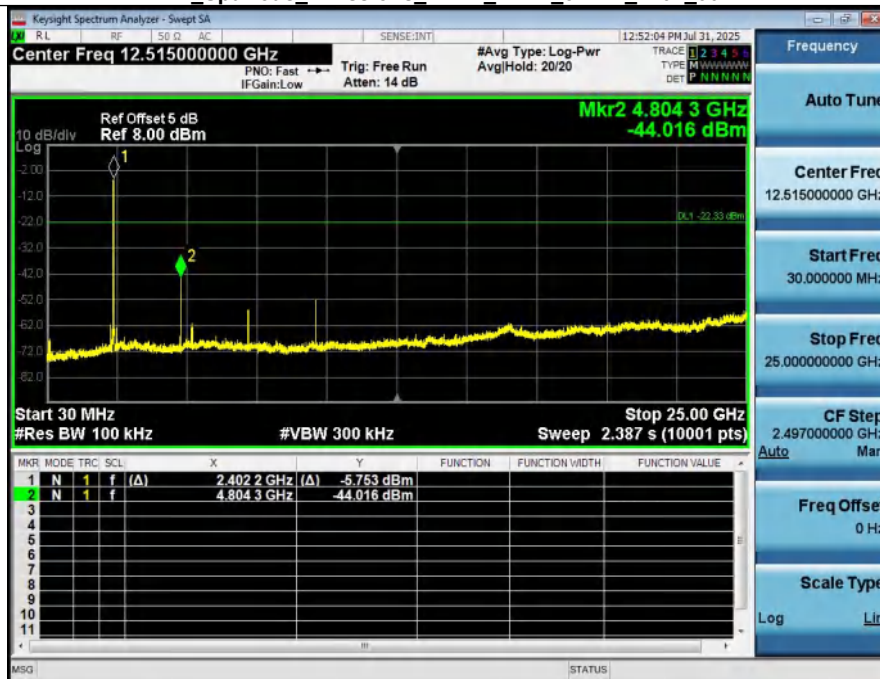
2_Spurious_Emissions_NVNT_ANT1_2-DH1_2480_00



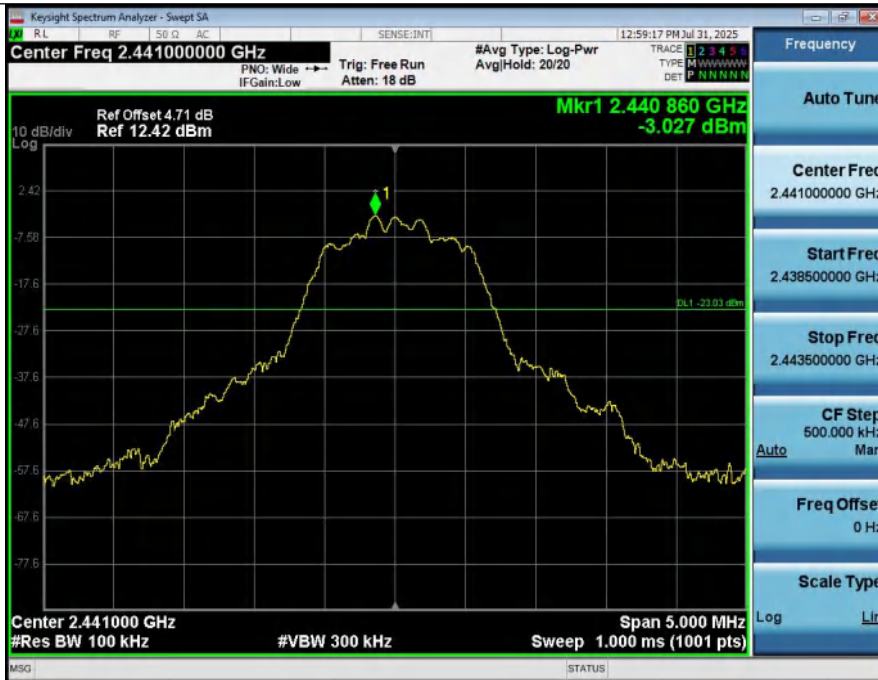
1_Reference_Level_NVNT_ANT1_3-DH1_2402_00



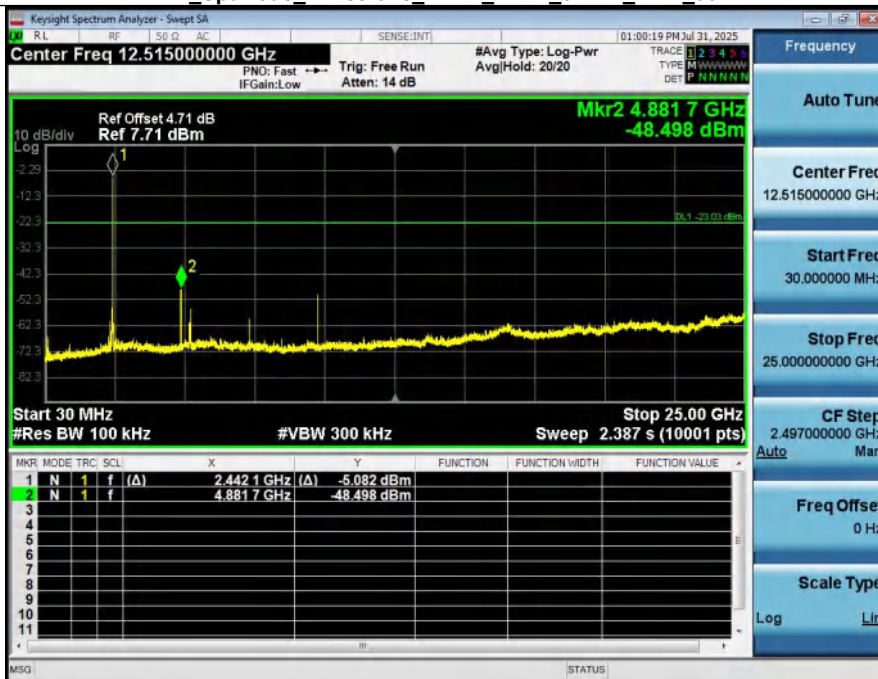
2_Spurious_Emissions_NVNT_ANT1_3-DH1_2402_00



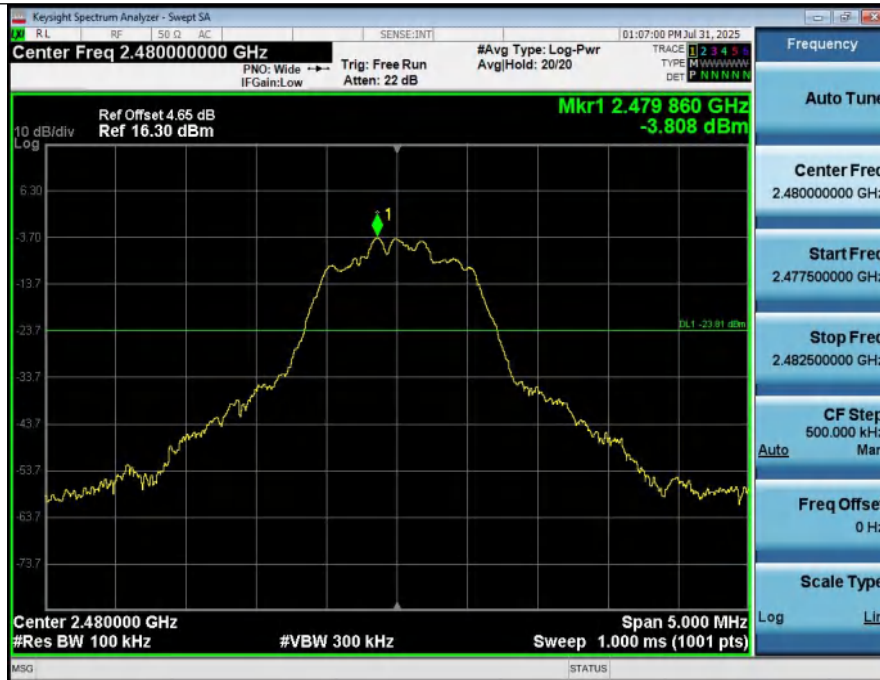
1_Reference_Level_NVNT_ANT1_3-DH1_2441_00



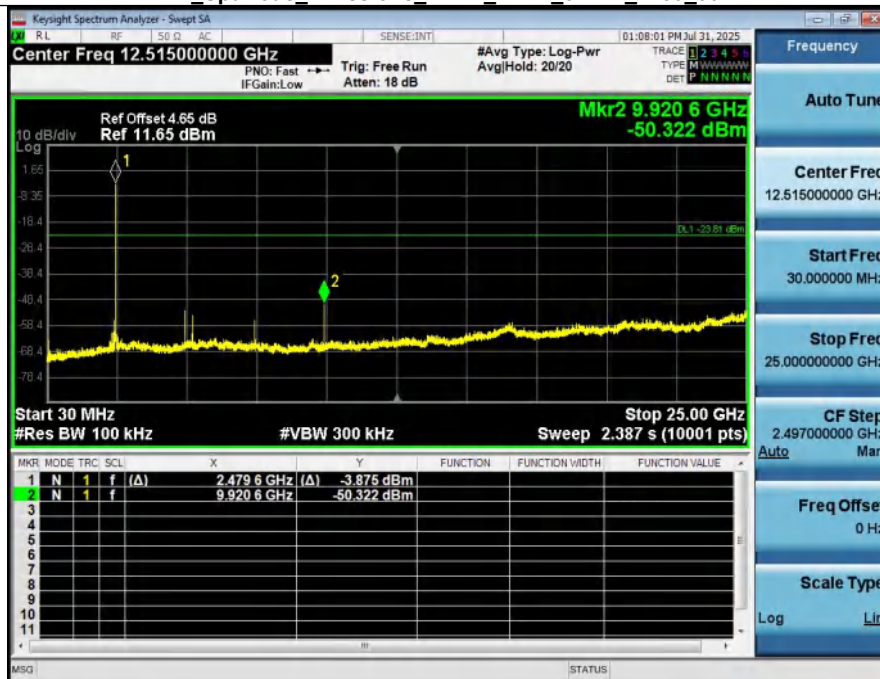
2_Spurious_Emissions_NVNT_ANT1_3-DH1_2441_00



1_Reference_Level_NVNT_ANT1_3-DH1_2480_00

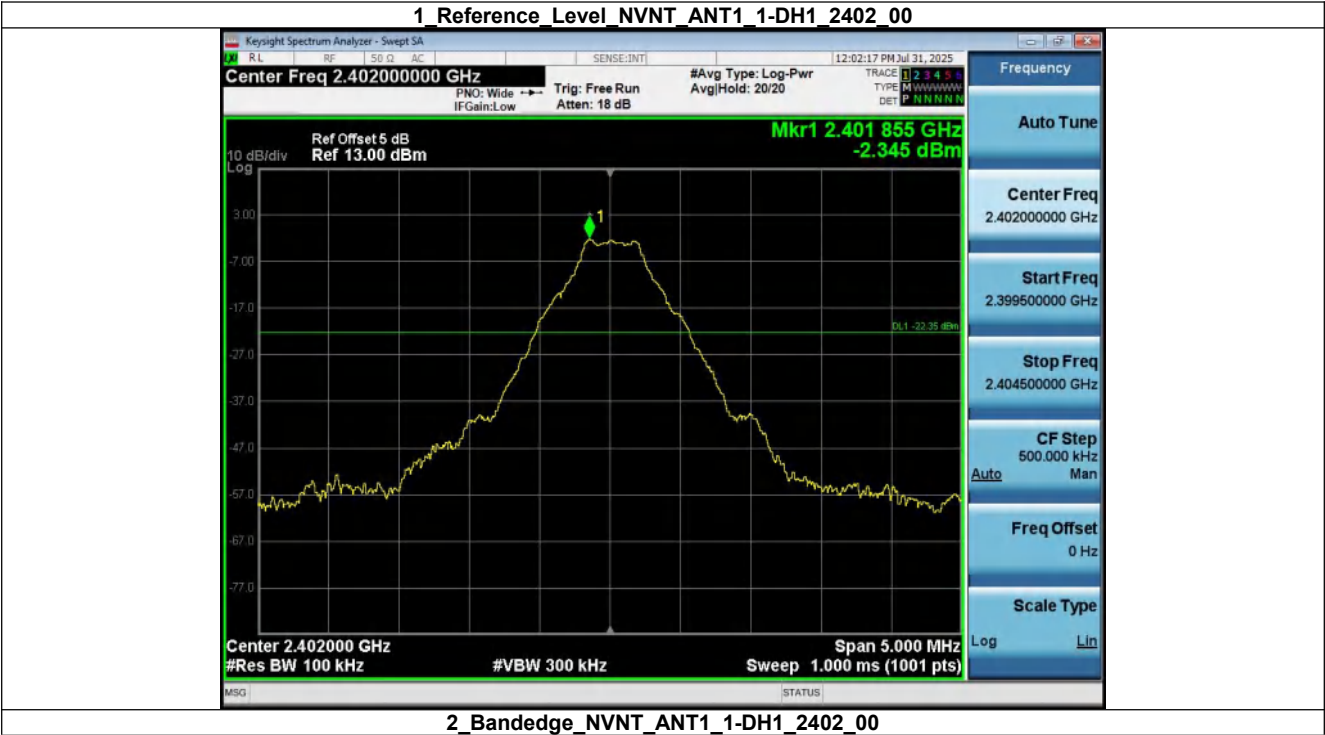


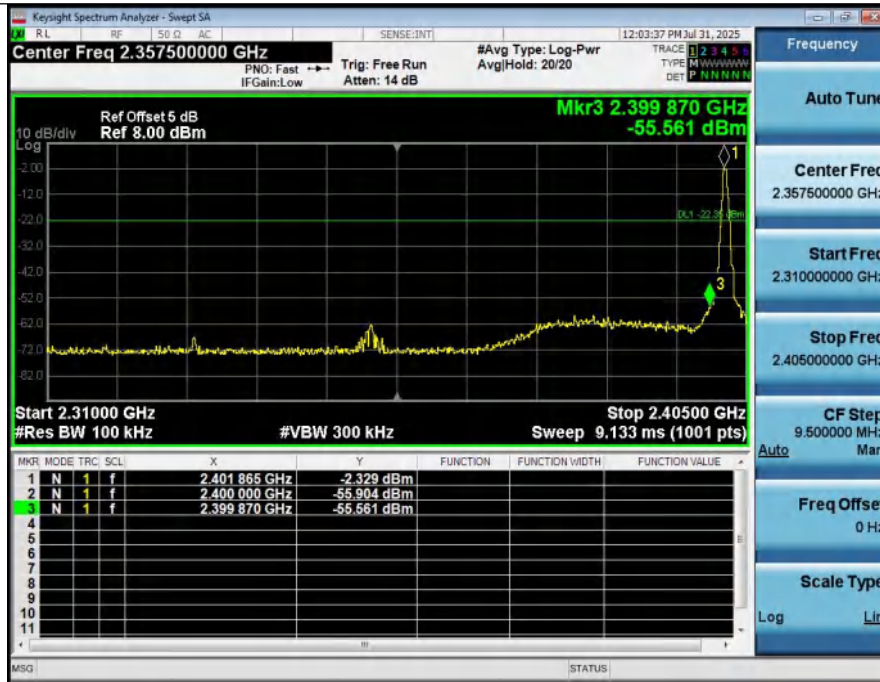
2_Spurious_Emissions_NVNT_ANT1_3-DH1_2480_00



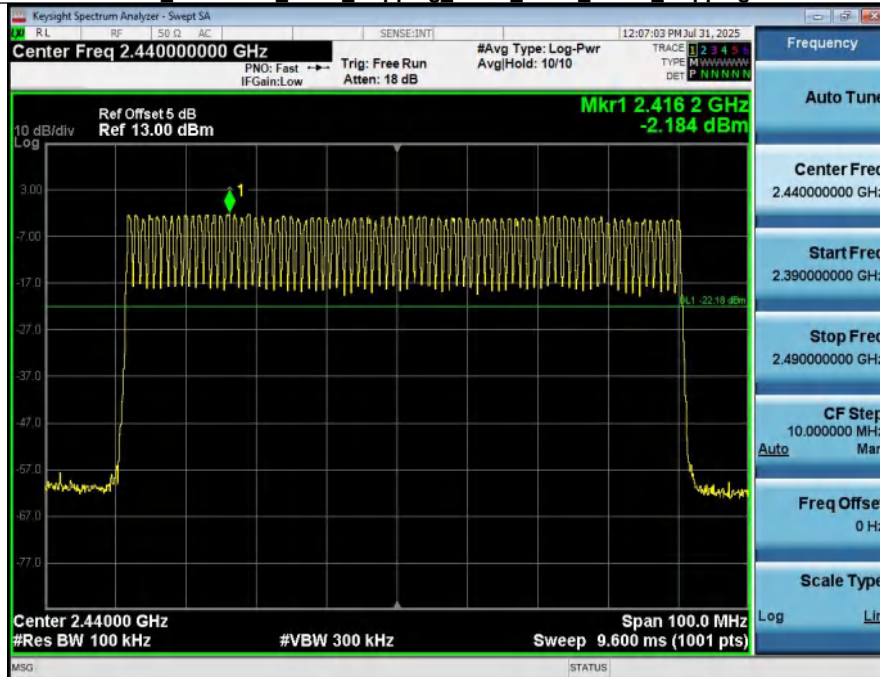
6. Bandedge

Condition	Antenna	Modulation	TX Mode	Ref_level(dBm)	Bandedge MAX.Value	Limit	Result
NVNT	ANT1	1-DH1	2402.00	-2.345	-55.561	-22.345	Pass
NVNT	ANT1	1-DH1	Hopping_LCH	-2.184	-57.081	-22.184	Pass
NVNT	ANT1	1-DH1	2480.00	-3.843	-59.637	-23.843	Pass
NVNT	ANT1	1-DH1	Hopping_HCH	-2.523	-54.962	-22.523	Pass
NVNT	ANT1	2-DH1	2402.00	-2.360	-54.136	-22.360	Pass
NVNT	ANT1	2-DH1	Hopping_LCH	-2.225	-54.262	-22.225	Pass
NVNT	ANT1	2-DH1	2480.00	-3.823	-59.946	-23.823	Pass
NVNT	ANT1	2-DH1	Hopping_HCH	-2.514	-59.327	-22.514	Pass
NVNT	ANT1	3-DH1	2402.00	-2.331	-55.470	-22.331	Pass
NVNT	ANT1	3-DH1	Hopping_LCH	-2.221	-57.747	-22.221	Pass
NVNT	ANT1	3-DH1	2480.00	-3.808	-59.270	-23.808	Pass
NVNT	ANT1	3-DH1	Hopping_HCH	-2.486	-58.611	-22.486	Pass

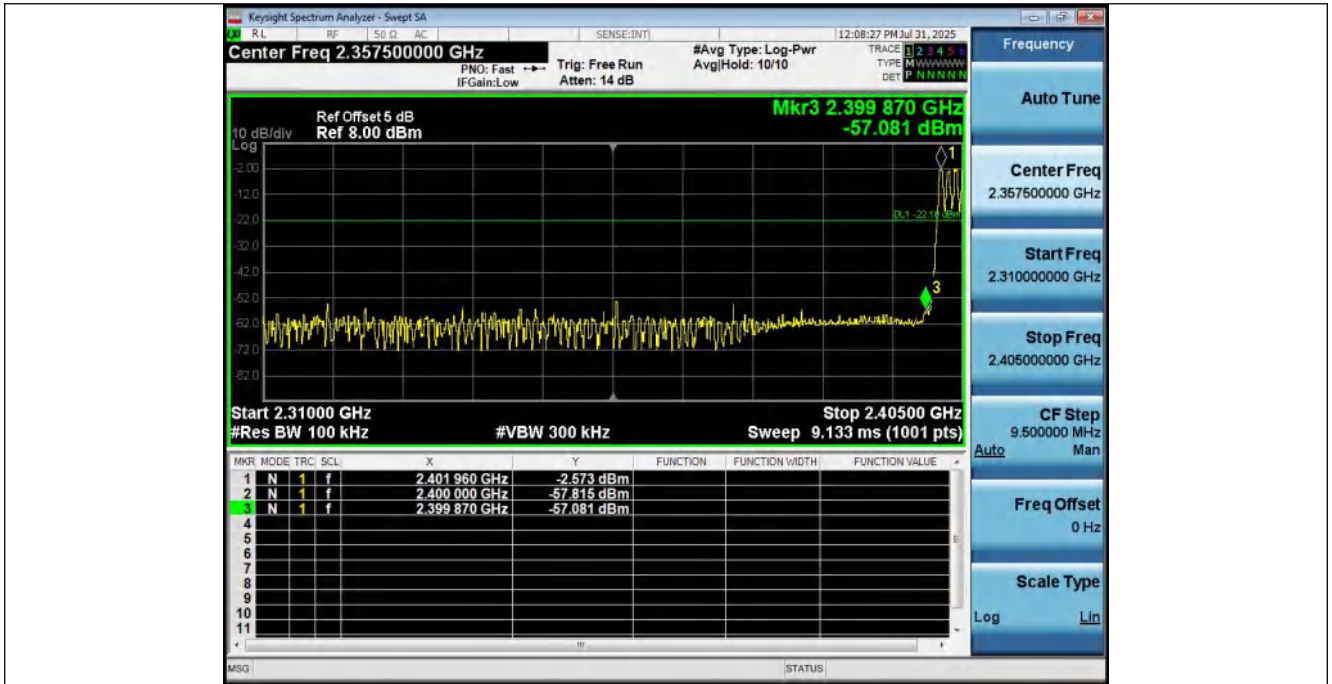




1 Reference_Level_Hopping_NVNT_ANT1_1-DH1_Hopping



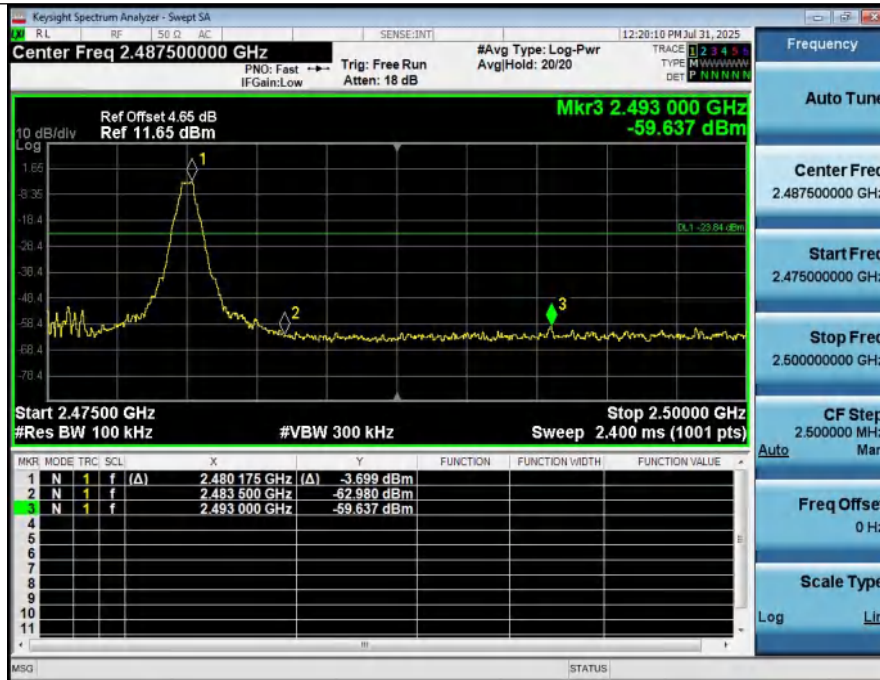
2 Band_Edge_(Hopping)_NVNT_ANT1_1-DH1_Hopping



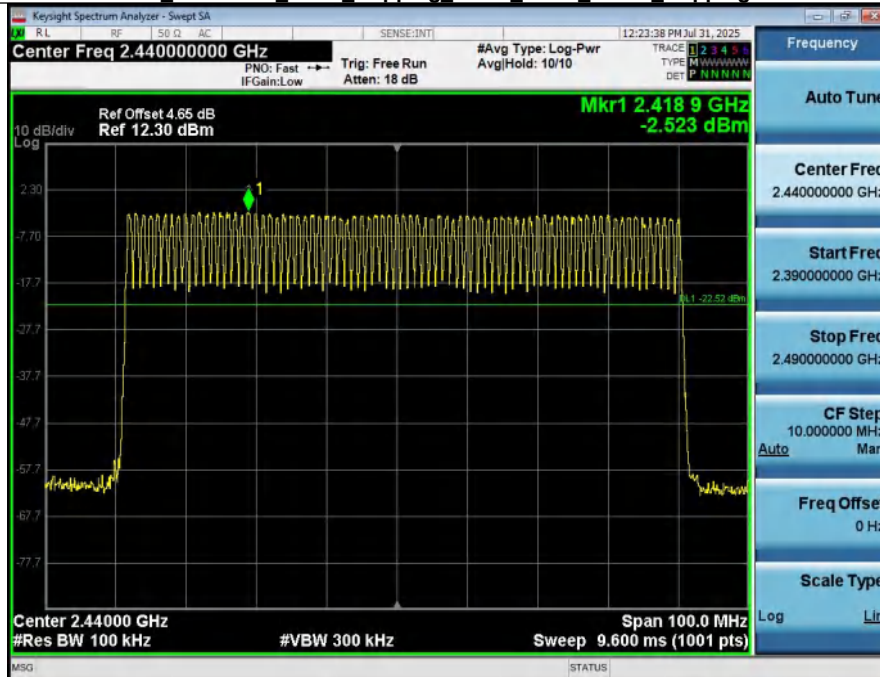
1 Reference_Level_NVNT_ANT1_1-DH1_2480_00



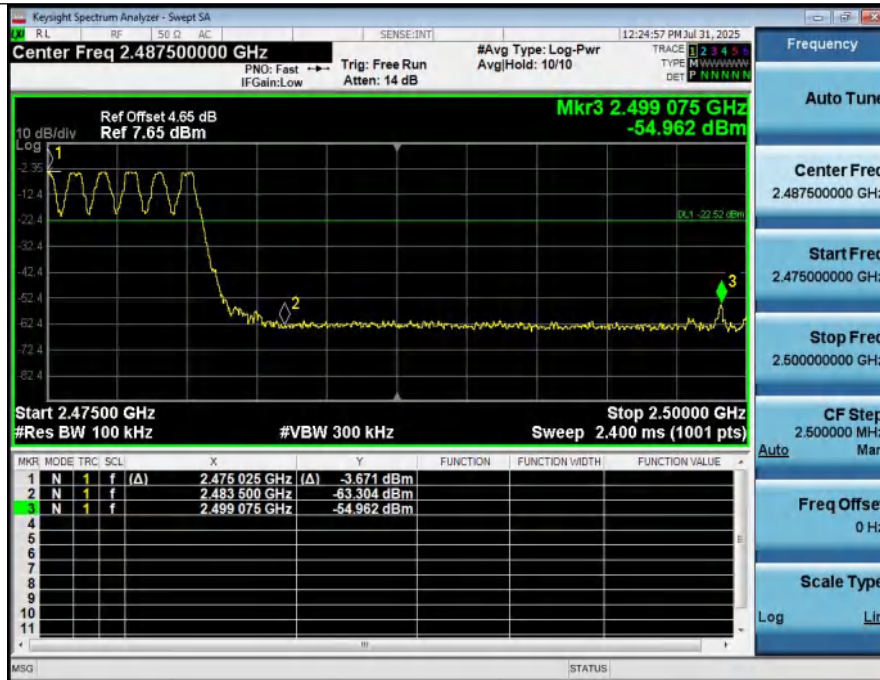
2 Bandedge_NVNT_ANT1_1-DH1_2480_00



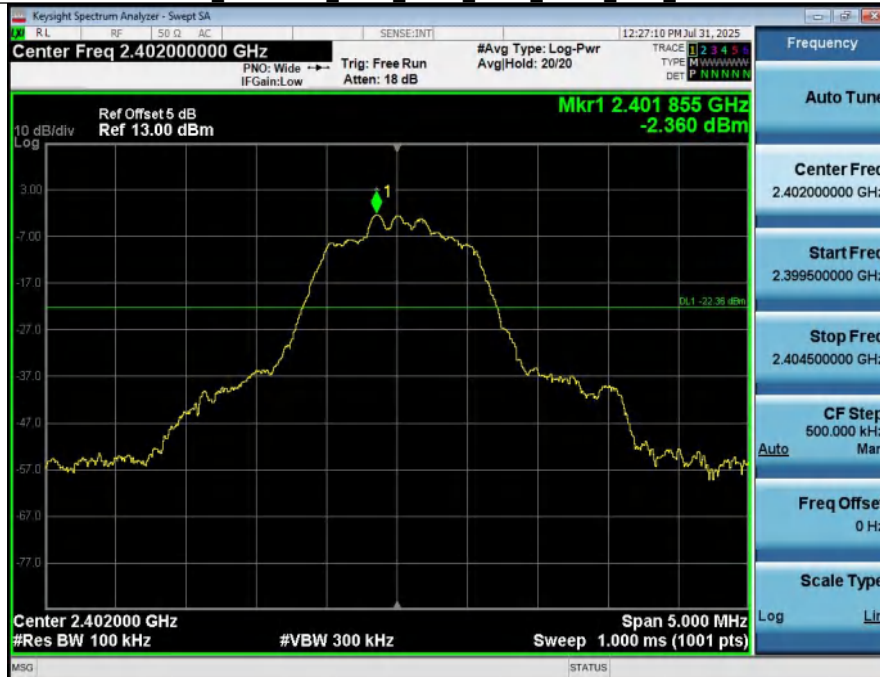
1 Reference_Level_Hopping_NVNT_ANT1_1-DH1_Hopping



2 Band_Edge_(Hopping)_NVNT_ANT1_1-DH1_Hopping



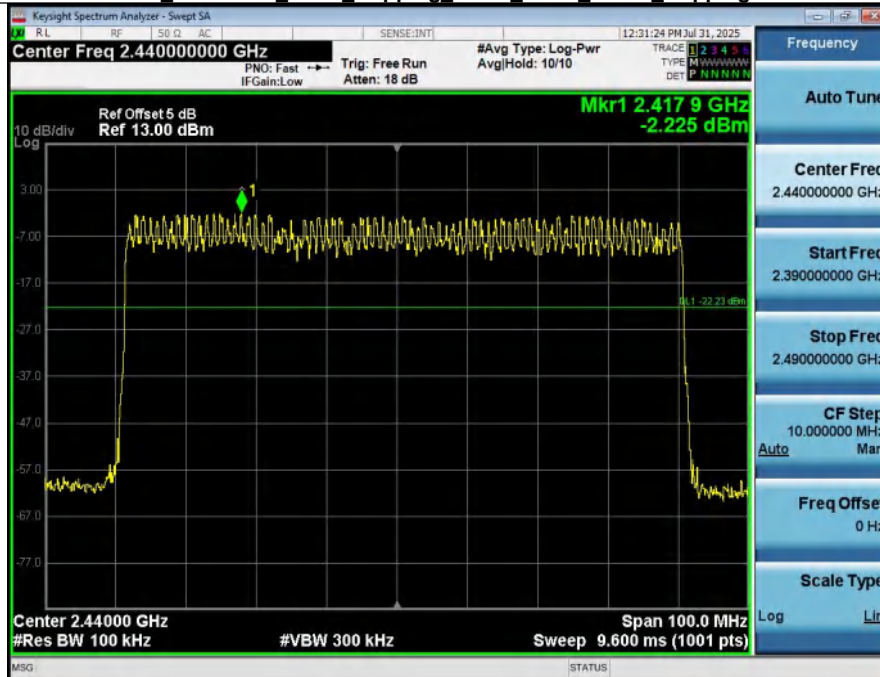
1 Reference Level NVNT ANT1 2-DH1 2402_00



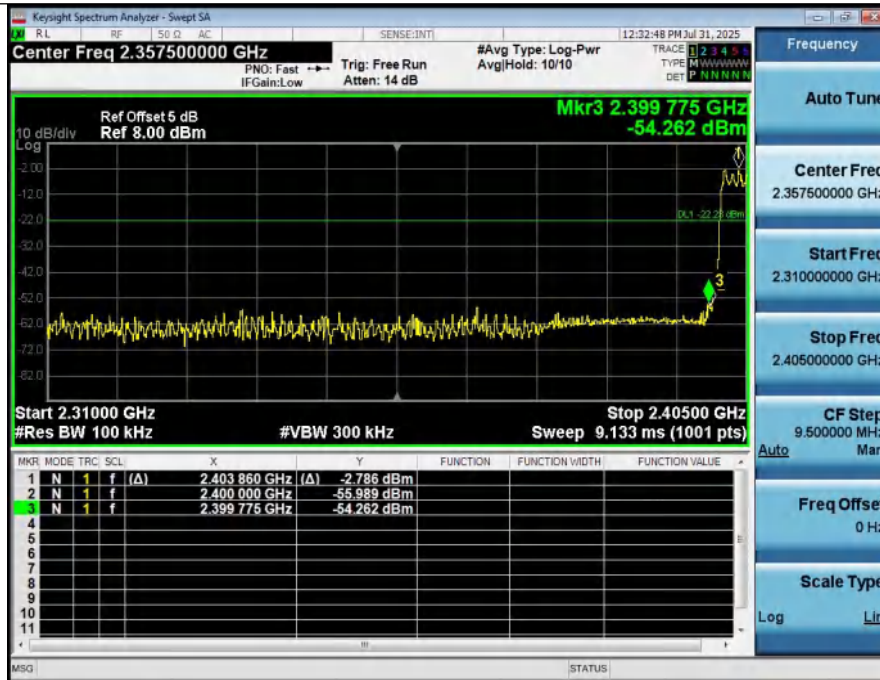
2 Bandedge NVNT ANT1 2-DH1 2402_00



1 Reference_Level_Hopping_NVNT_ANT1_2-DH1_Hopping



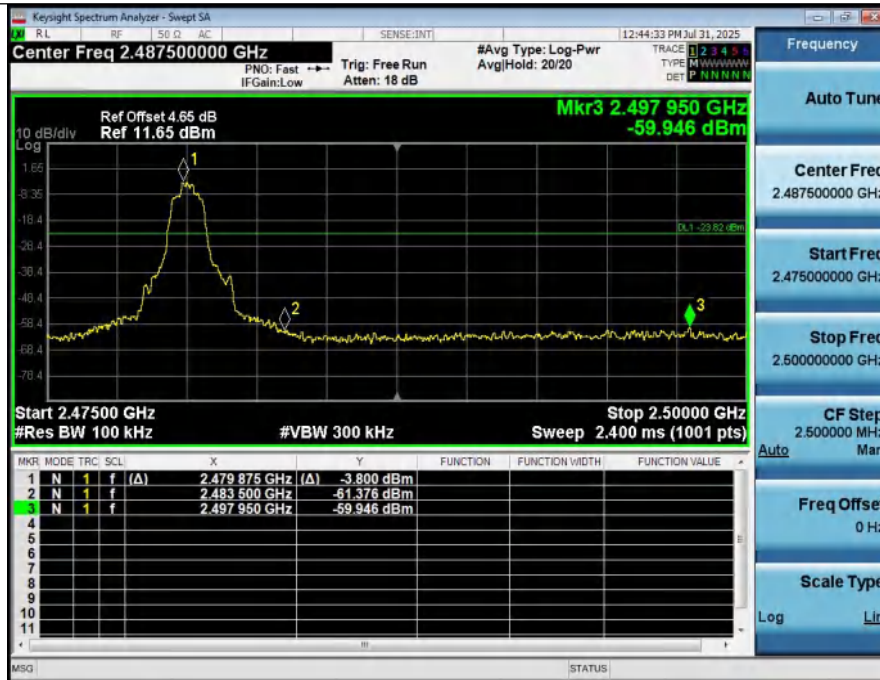
2 Band_Edge_(Hopping)_NVNT_ANT1_2-DH1_Hopping



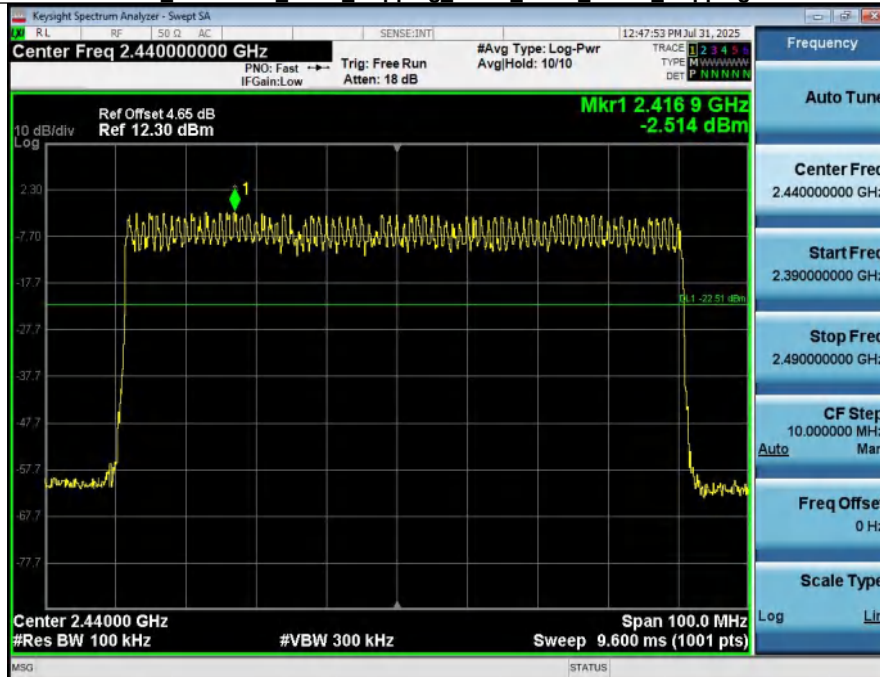
1 Reference_Level_NVNT_ANT1_2-DH1_2480_00



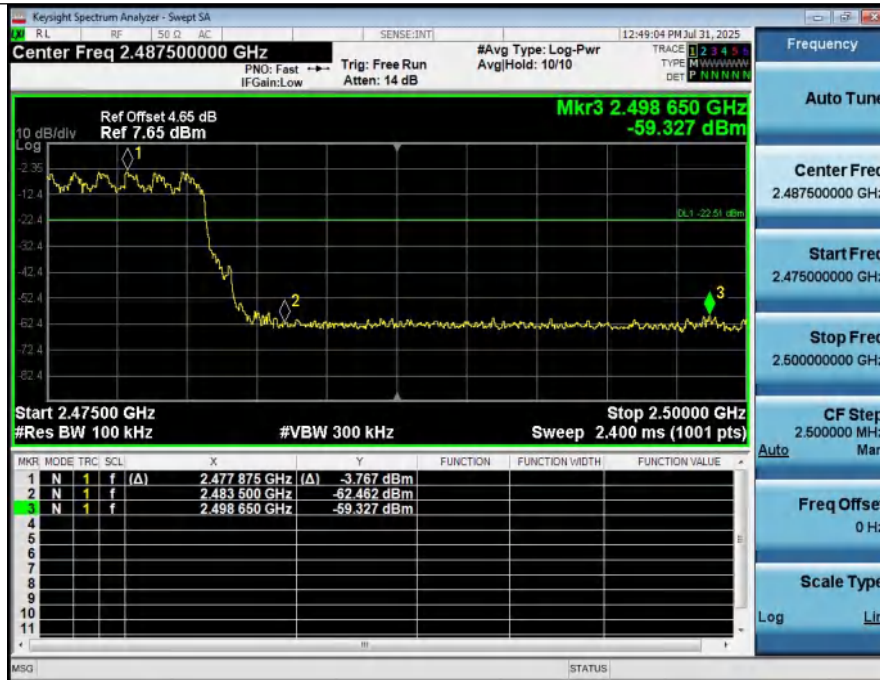
2 Bandedge_NVNT_ANT1_2-DH1_2480_00



1 Reference_Level_Hopping_NVNT_ANT1_2-DH1_Hopping



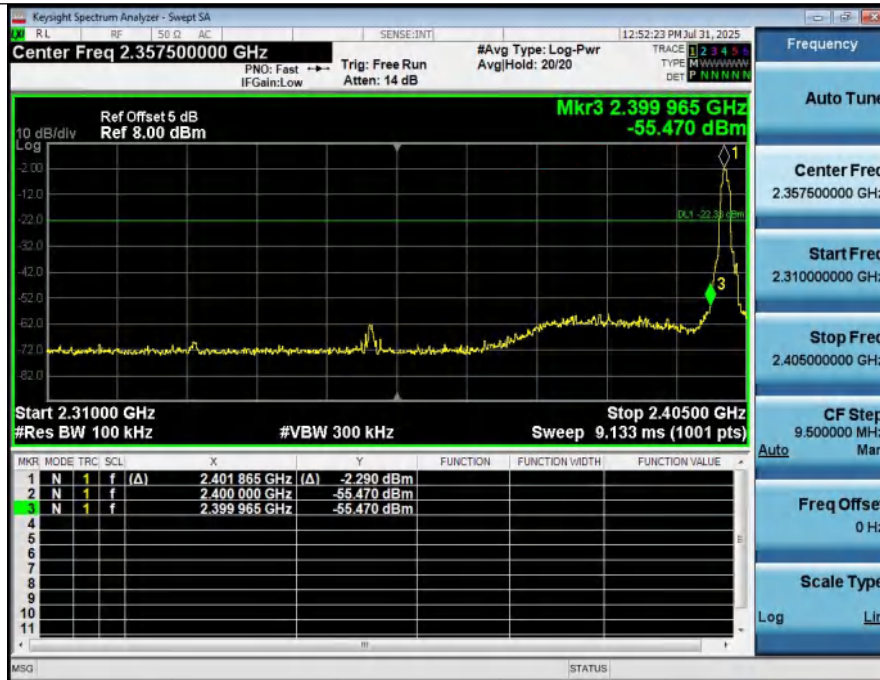
2_Band_Edge_(Hopping)_NVNT_ANT1_2-DH1_Hopping



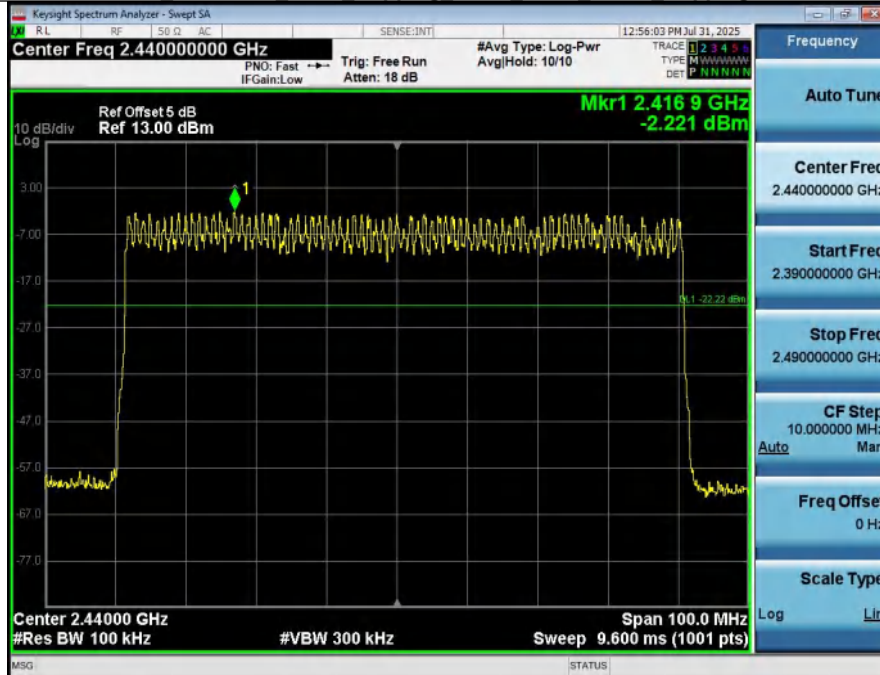
1 Reference_Level_NVNT_ANT1_3-DH1_2402_00



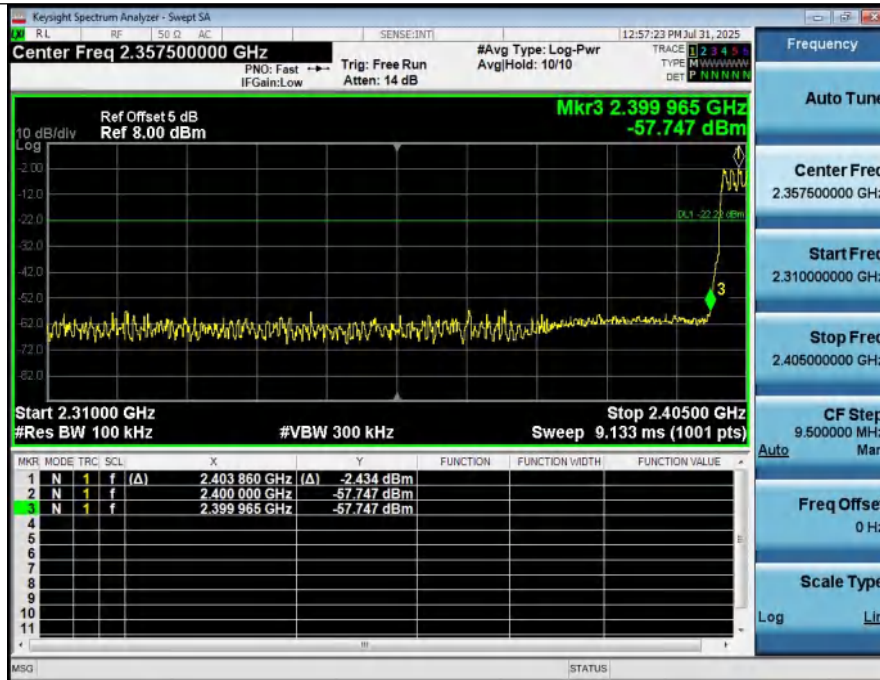
2 Bandedge_NVNT_ANT1_3-DH1_2402_00



1 Reference_Level_Hopping_NVNT_ANT1_3-DH1_Hopping



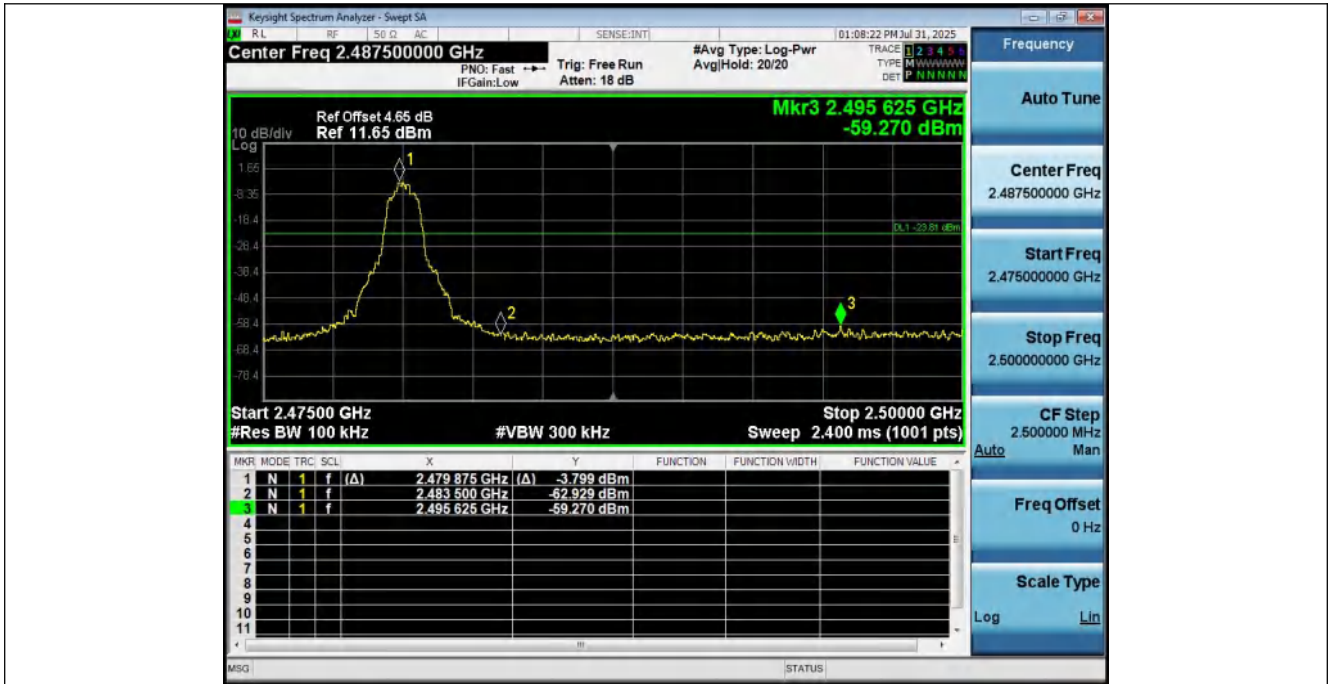
2 Band_Edge_(Hopping)_NVNT_ANT1_3-DH1_Hopping



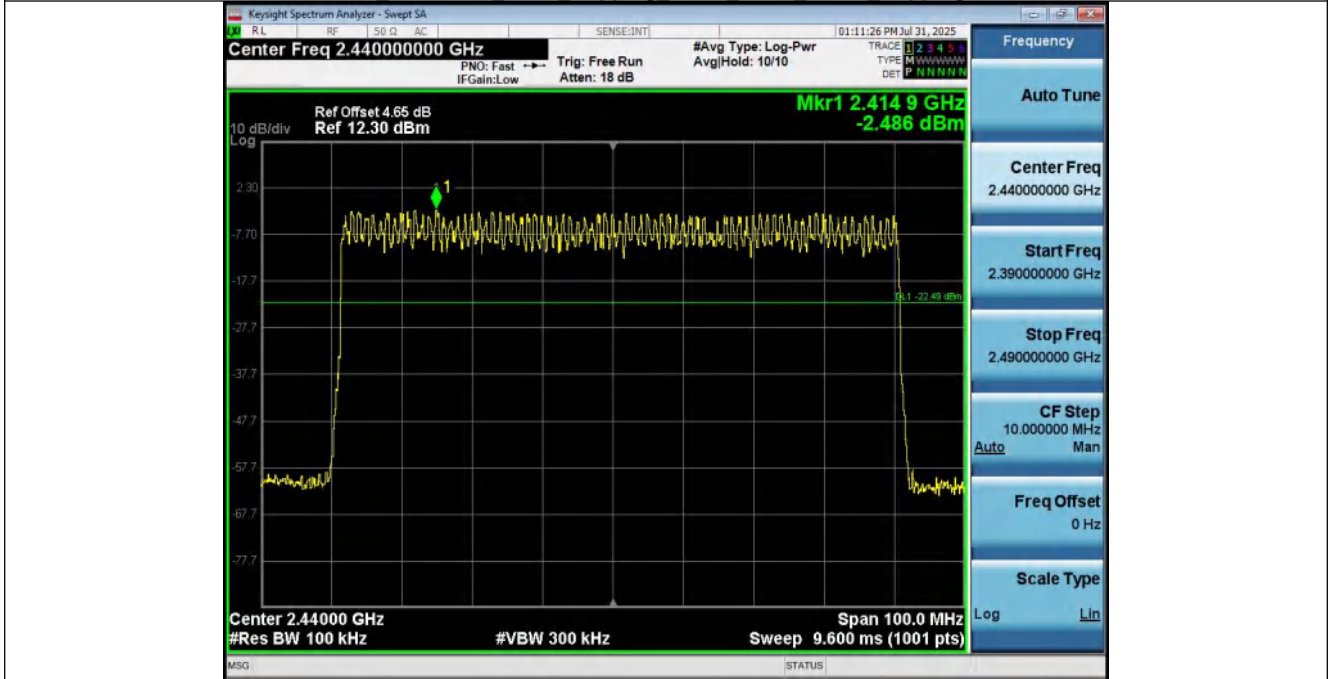
1 Reference_Level_NVNT_ANT1_3-DH1_2480_00



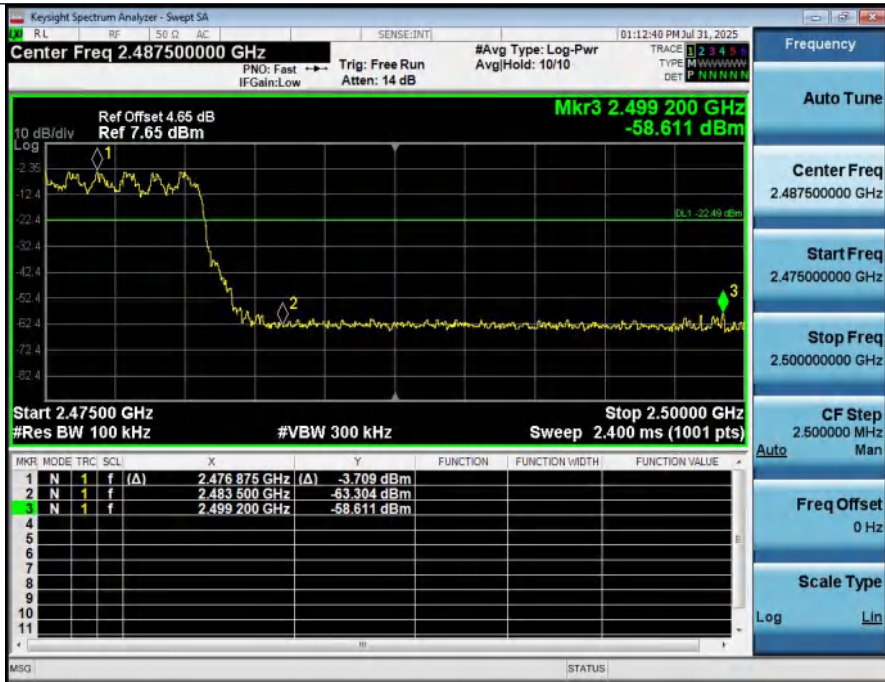
2 Bandedge_NVNT_ANT1_3-DH1_2480_00



1 Reference_Level_Hopping_NVNT_ANT1_3-DH1_Hopping

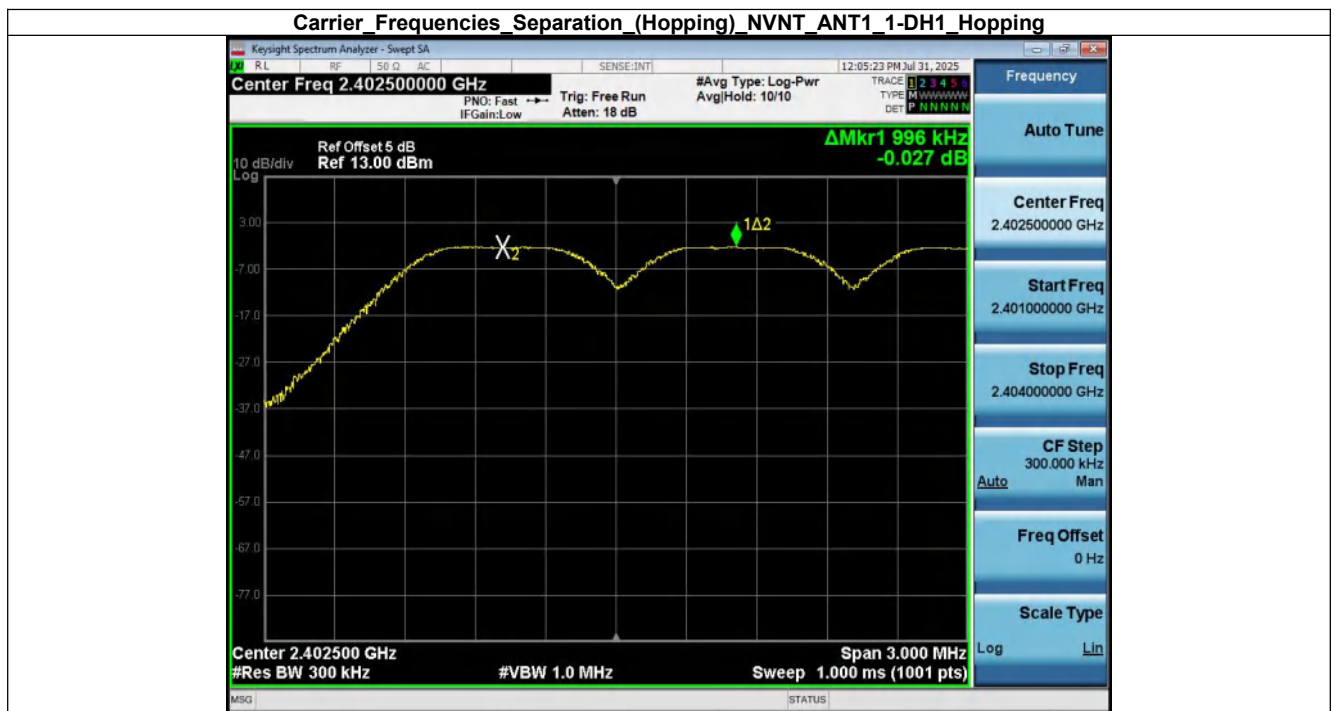


2 Band_Edge_(Hopping)_NVNT_ANT1_3-DH1_Hopping

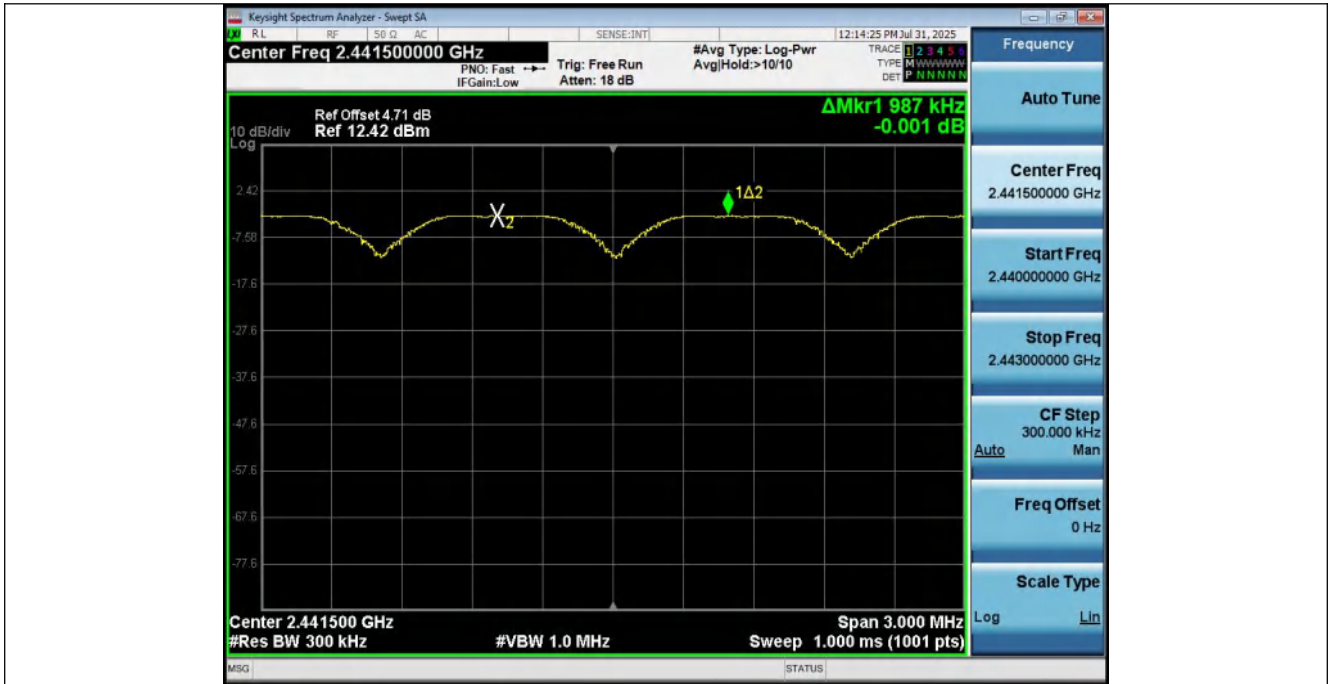


7. Carrier Frequencies Separation (Hopping)

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	2402.017	2403.013	1.00	0.685	Pass
NVNT	ANT1	1-DH1	2441.00	2441.005	2441.992	0.99	0.682	Pass
NVNT	ANT1	1-DH1	2480.00	2479.005	2480.118	1.11	0.682	Pass
NVNT	ANT1	2-DH1	2402.00	2401.915	2403.013	1.10	0.856	Pass
NVNT	ANT1	2-DH1	2441.00	2441.008	2442.013	1.00	0.851	Pass
NVNT	ANT1	2-DH1	2480.00	2478.984	2480.004	1.02	0.861	Pass
NVNT	ANT1	3-DH1	2402.00	2402.008	2403.004	1.00	0.841	Pass
NVNT	ANT1	3-DH1	2441.00	2441.017	2442.013	1.00	0.838	Pass
NVNT	ANT1	3-DH1	2480.00	2479.023	2480.004	0.98	0.834	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

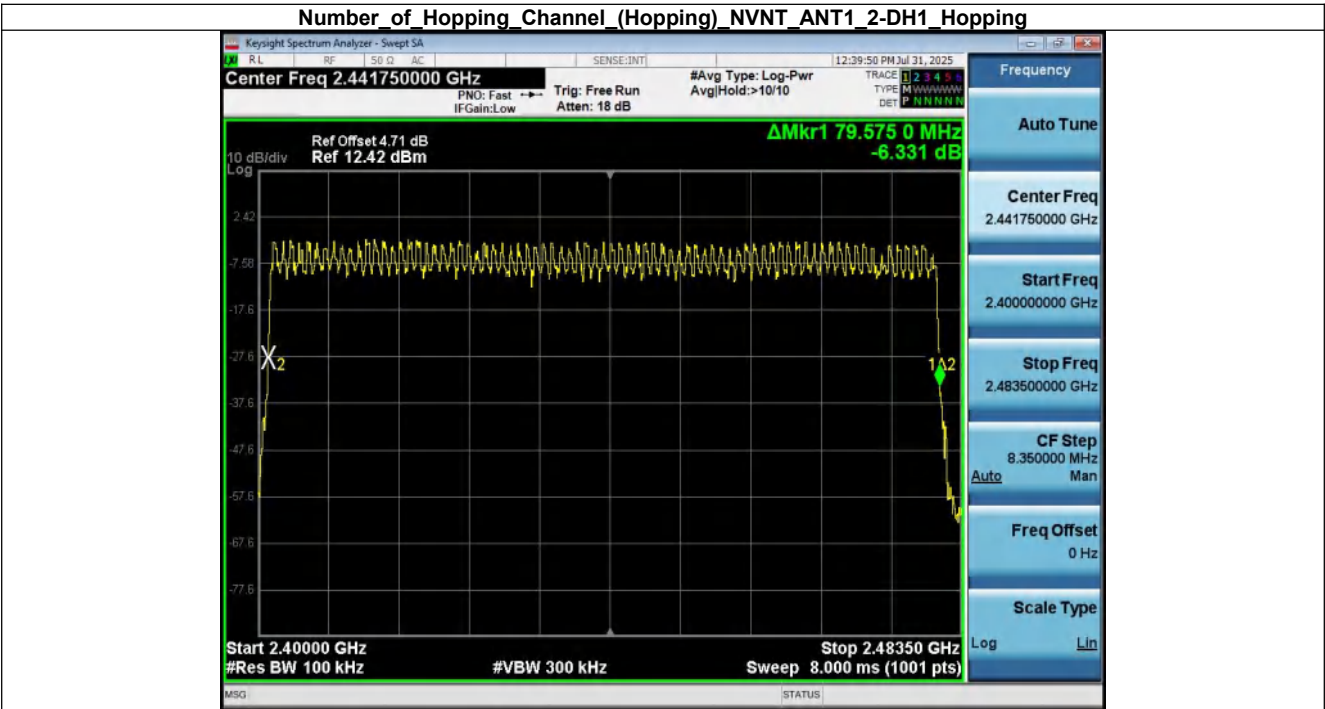
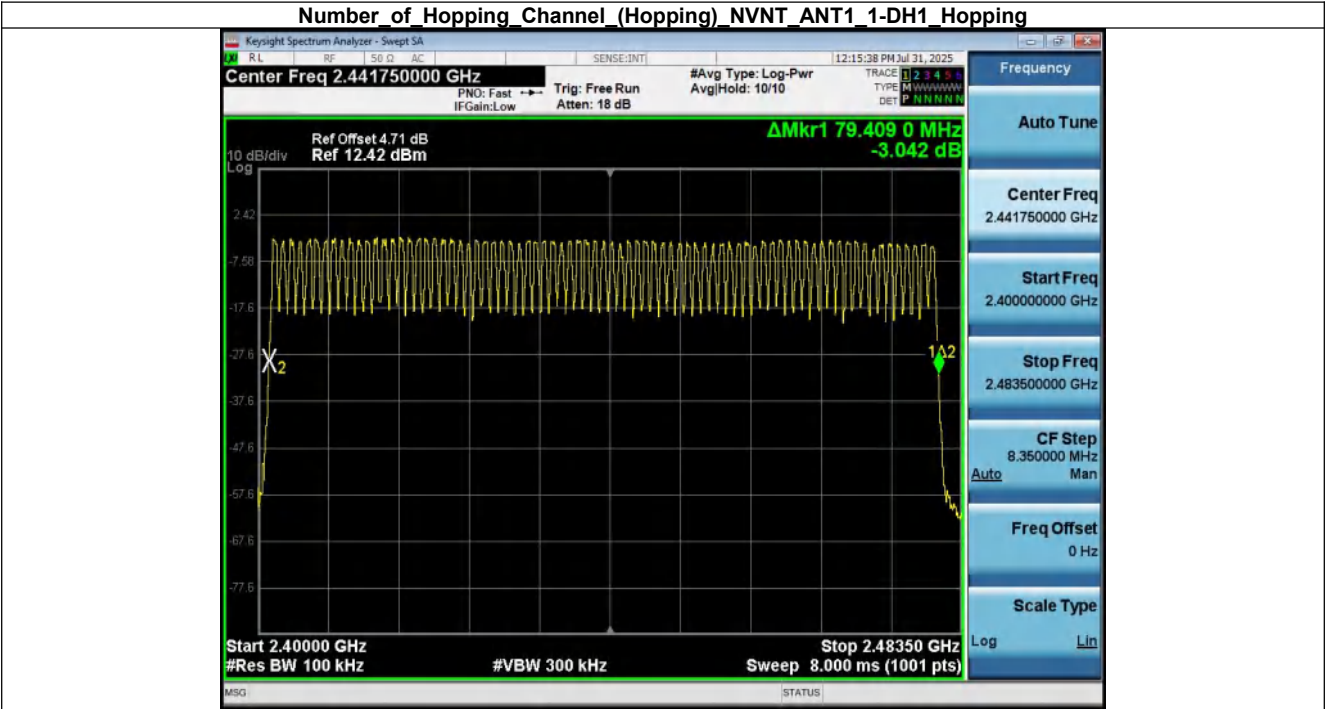


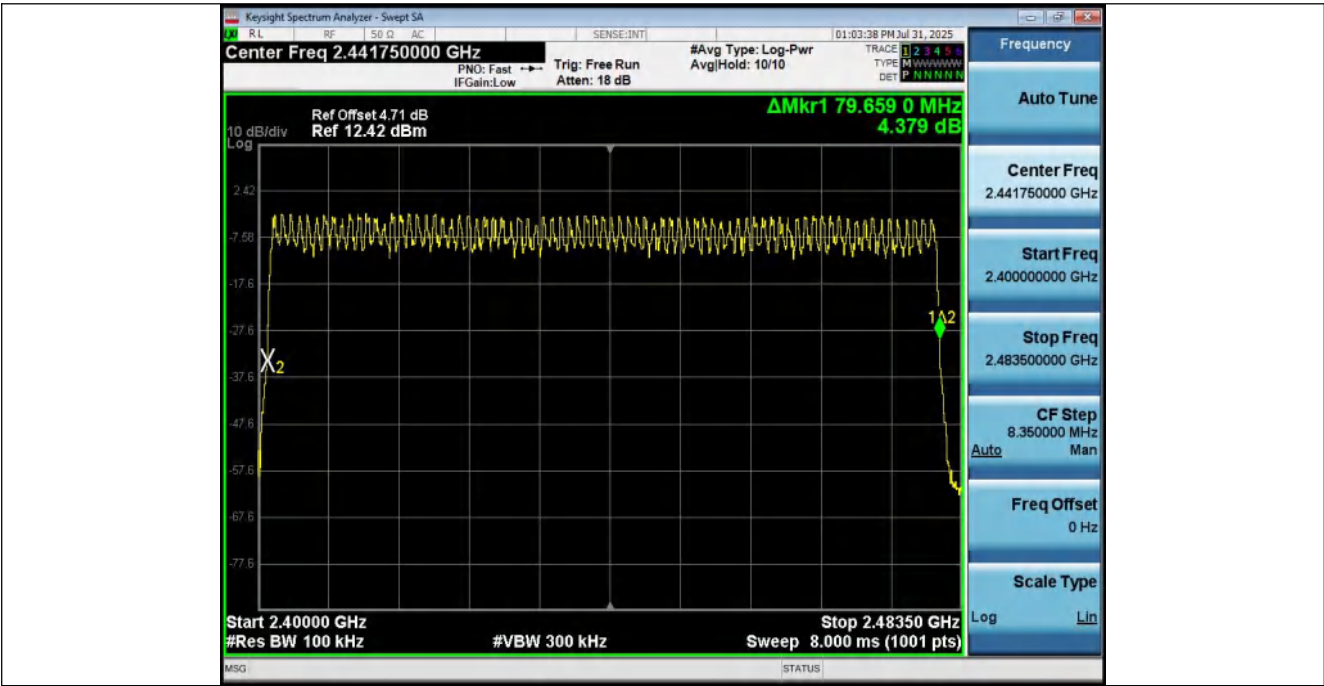
Carrier_Frequencies_Separation_(Hopping)_NVNT_ANT1_3-DH1_Hopping



8. Number of Hopping Channel (Hopping)

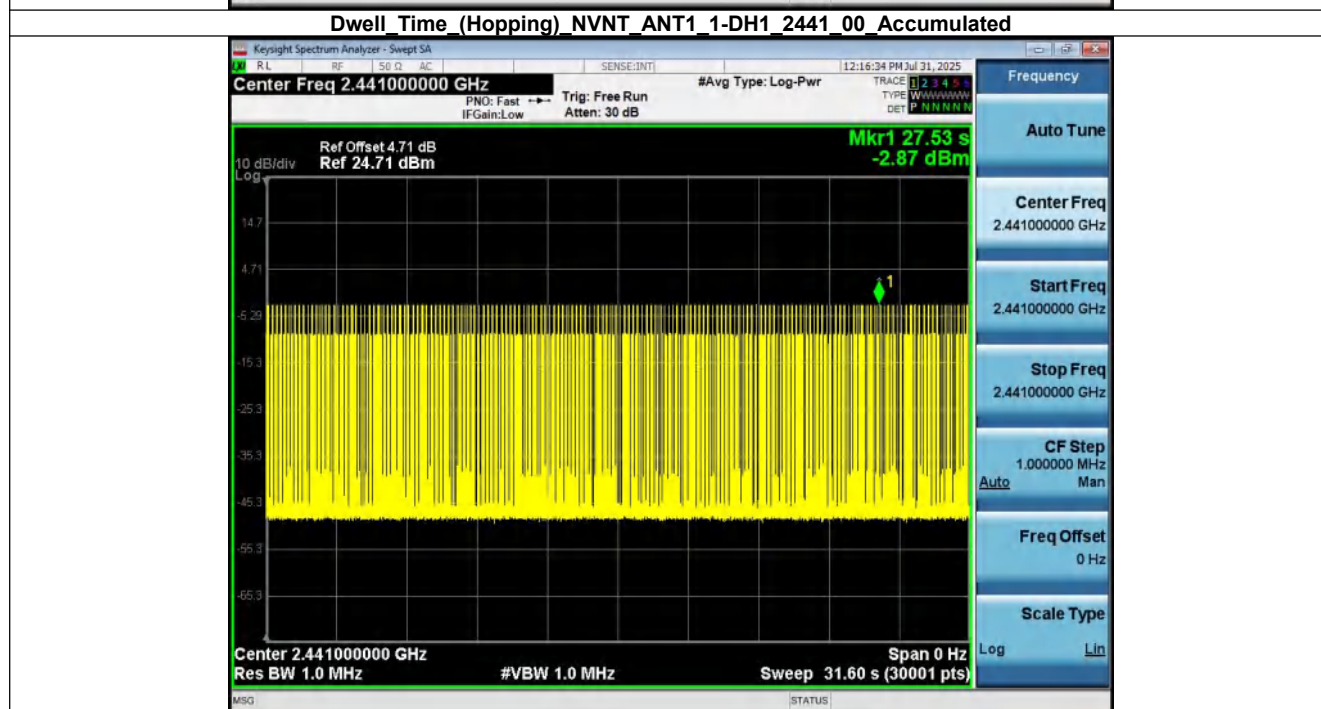
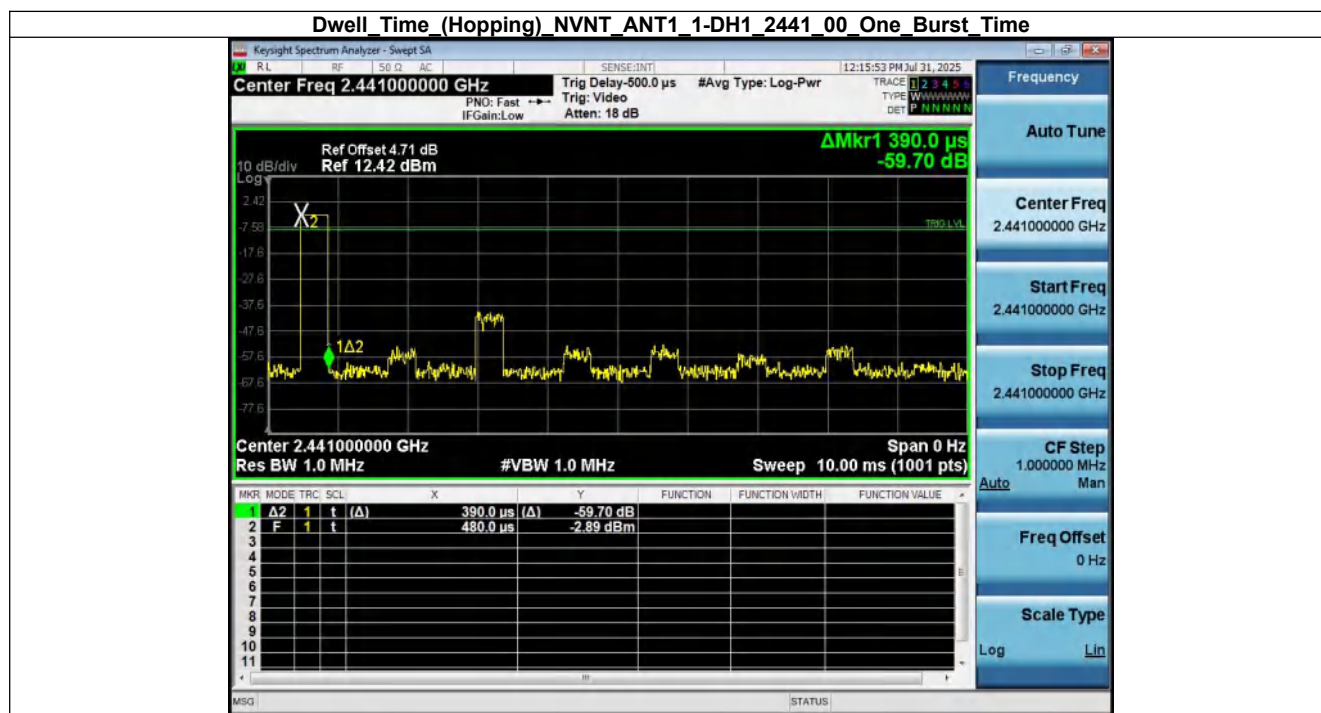
Condition	Antenna	Modulation	Hopping Num	Limit	Result
NVNT	ANT1	1-DH1	79	15	Pass
NVNT	ANT1	2-DH1	79	15	Pass
NVNT	ANT1	3-DH1	79	15	Pass



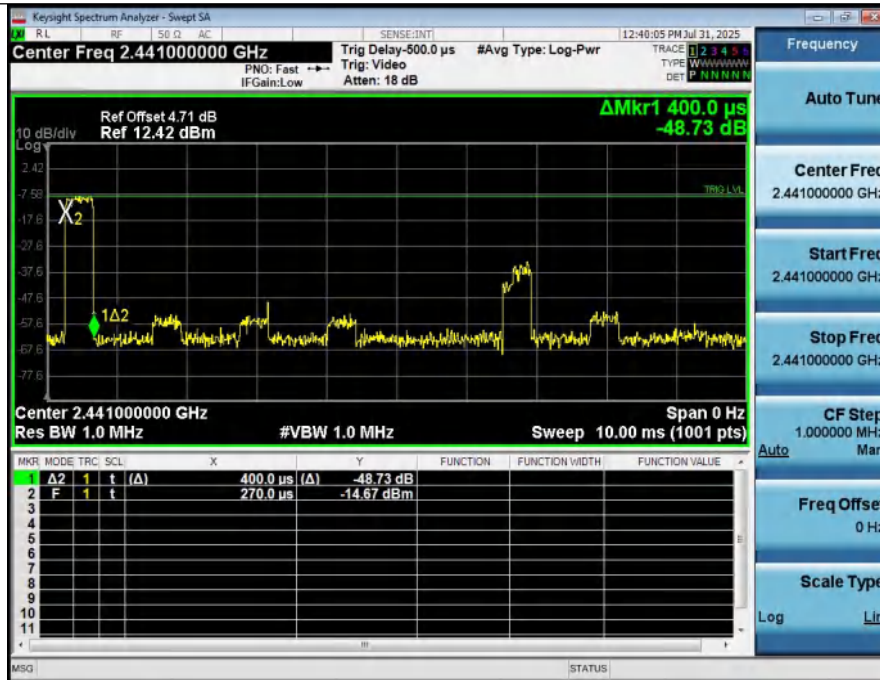


9. Dwell Time (Hopping)

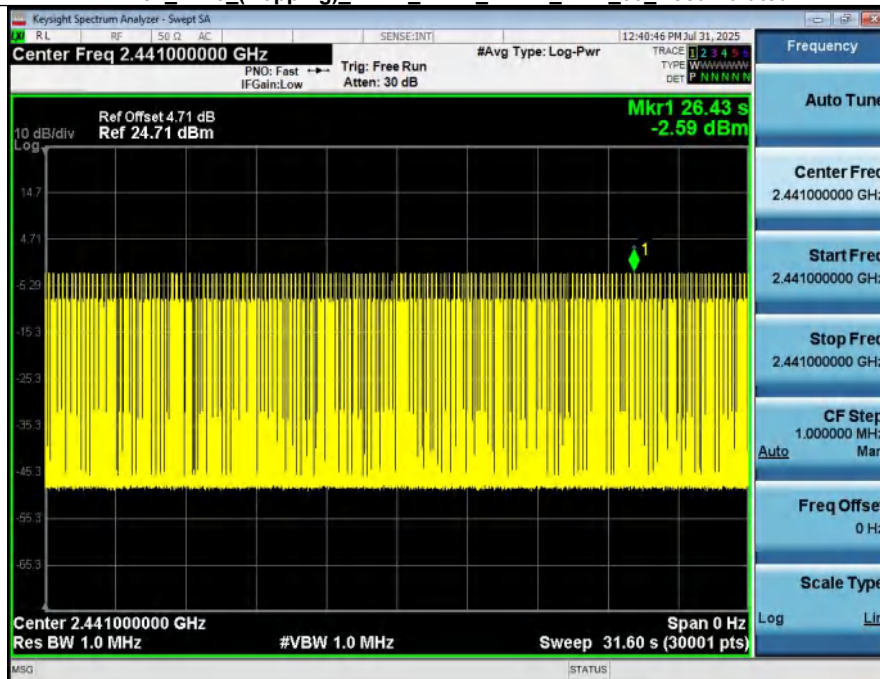
Condition	Antenna	Packet Type	Pulse Time(ms)	Hops	Dwell Time(ms)	Limit(s)	Result
NVNT	ANT1	1-DH1	0.390	320.00	124.800	0.40	Pass
NVNT	ANT1	2-DH1	0.400	318.00	127.200	0.40	Pass
NVNT	ANT1	3-DH1	0.390	320.00	124.800	0.40	Pass
NVNT	ANT1	1-DH3	1.640	161.00	264.040	0.40	Pass
NVNT	ANT1	1-DH5	2.900	96.00	278.400	0.40	Pass
NVNT	ANT1	2-DH3	1.650	158.00	260.700	0.40	Pass
NVNT	ANT1	2-DH5	2.900	110.00	319.000	0.40	Pass
NVNT	ANT1	3-DH3	1.650	165.00	272.250	0.40	Pass
NVNT	ANT1	3-DH5	2.900	108.00	313.200	0.40	Pass



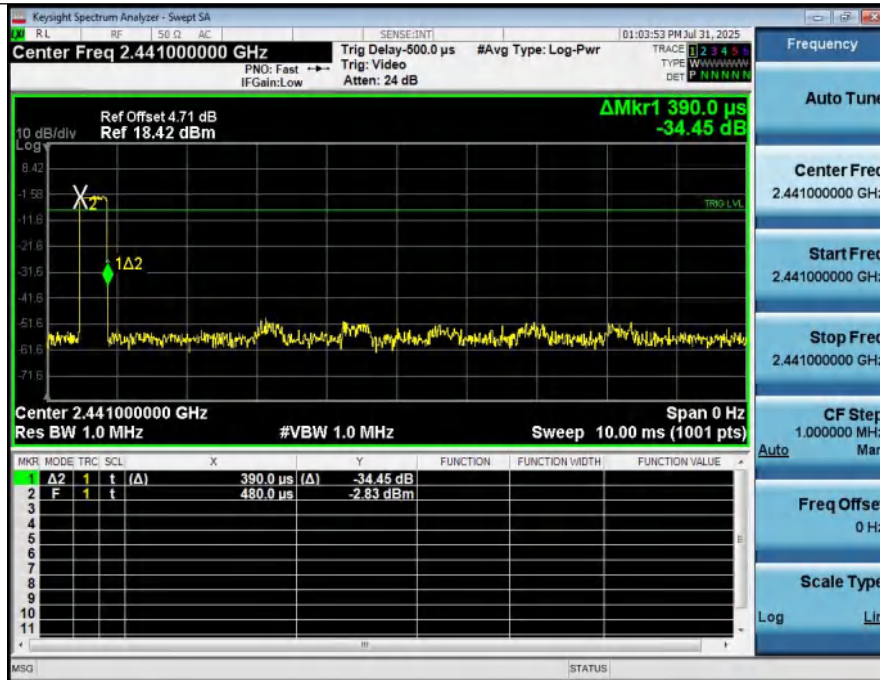
Dwell Time (Hopping) NVNT ANT1 2-DH1 2441 00 One Burst Time



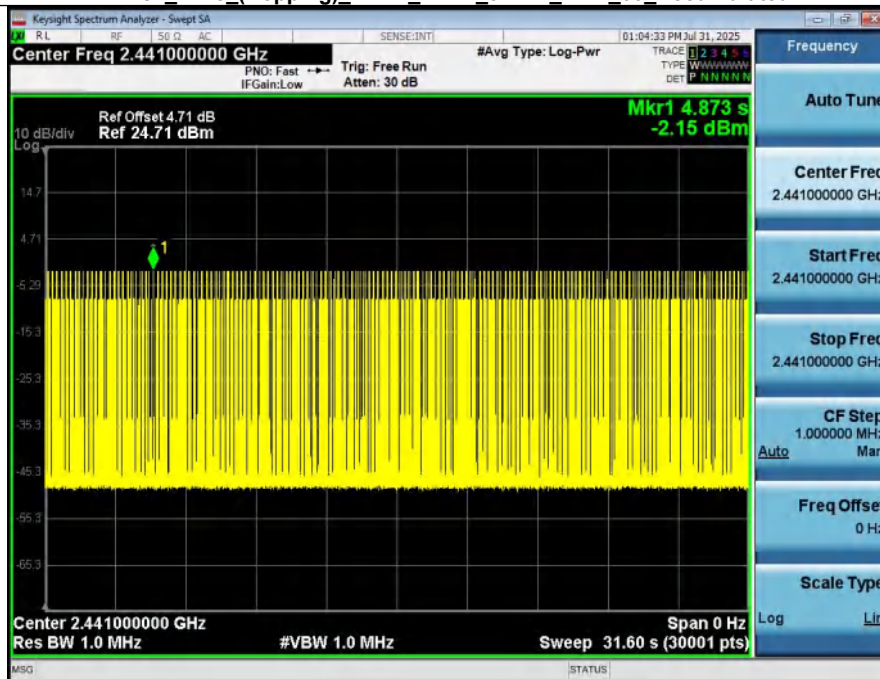
Dwell Time (Hopping) NVNT_ANT1_2-DH1_2441_00_Accumulated



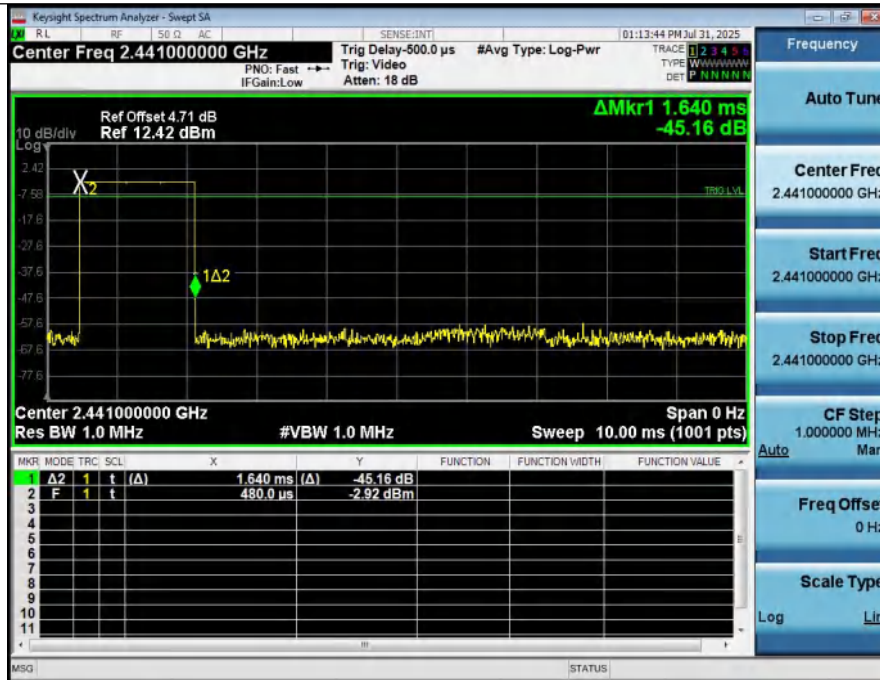
Dwell Time (Hopping) NVNT_ANT1_3-DH1_2441_00_One Burst Time



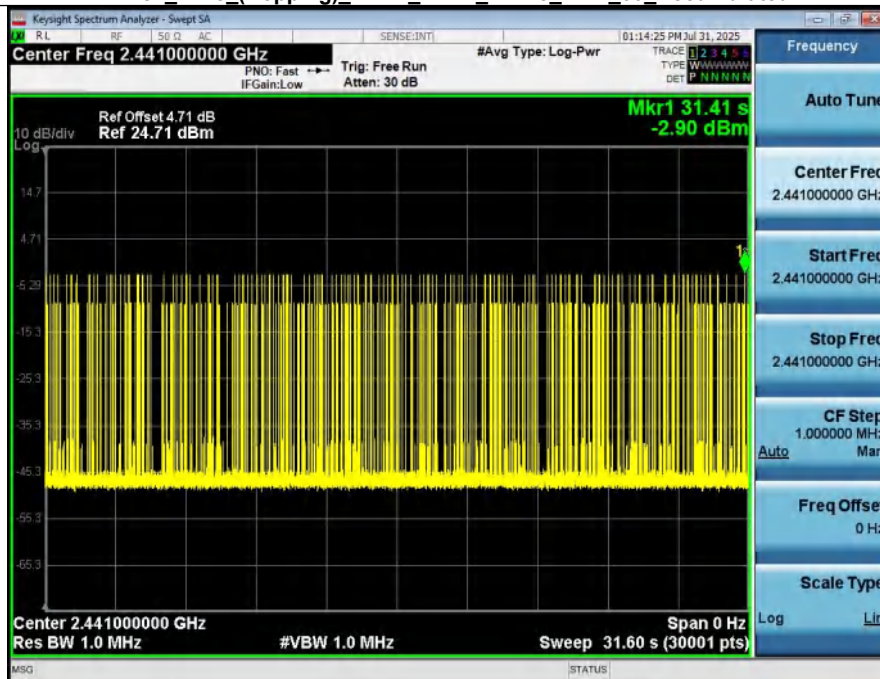
Dwell Time (Hopping) NVNT_ANT1_3-DH1_2441_00_Accumulated



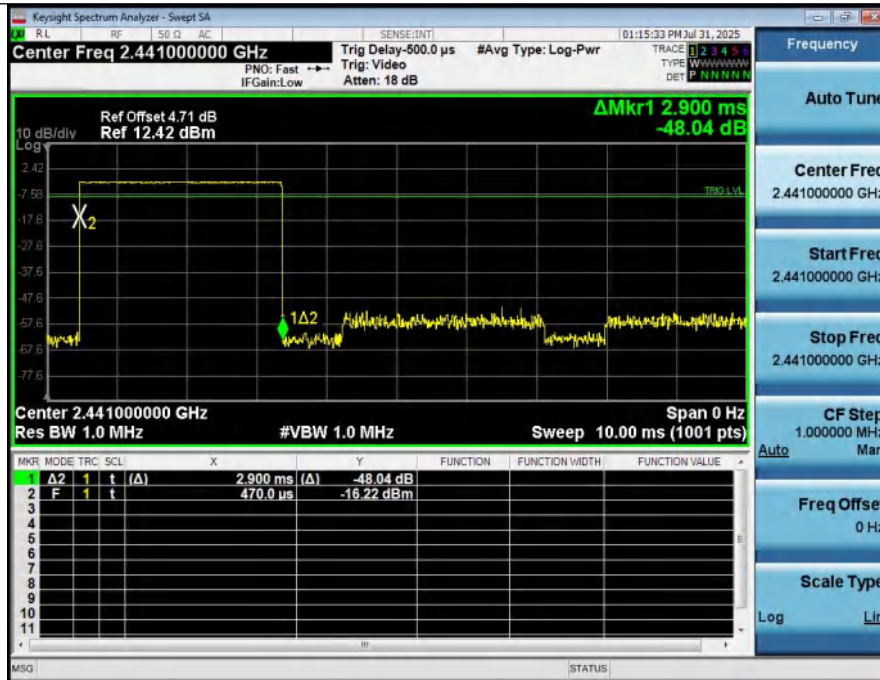
Dwell Time (Hopping) NVNT_ANT1_1-DH3_2441_00_One Burst Time



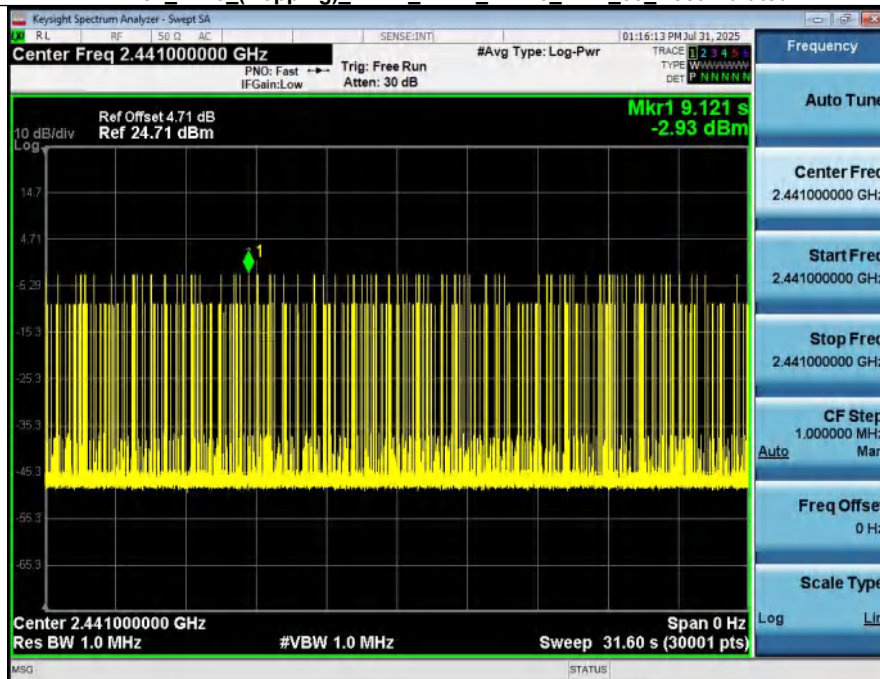
Dwell_Time_(Hopping)_NVNT_ANT1_1-DH3_2441_00_Accumulated



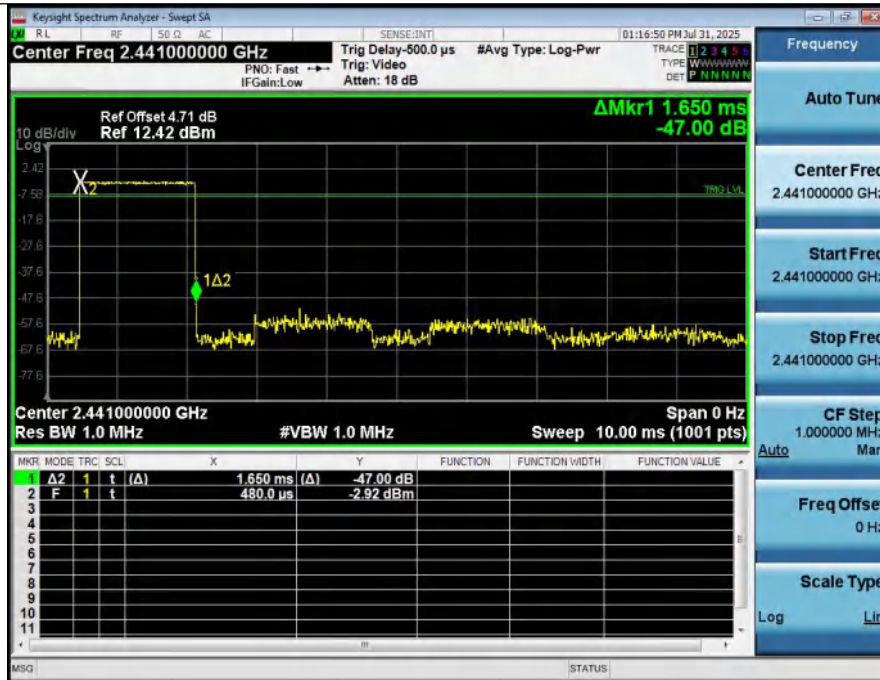
Dwell_Time_(Hopping)_NVNT_ANT1_1-DH5_2441_00_One_Burst_Time



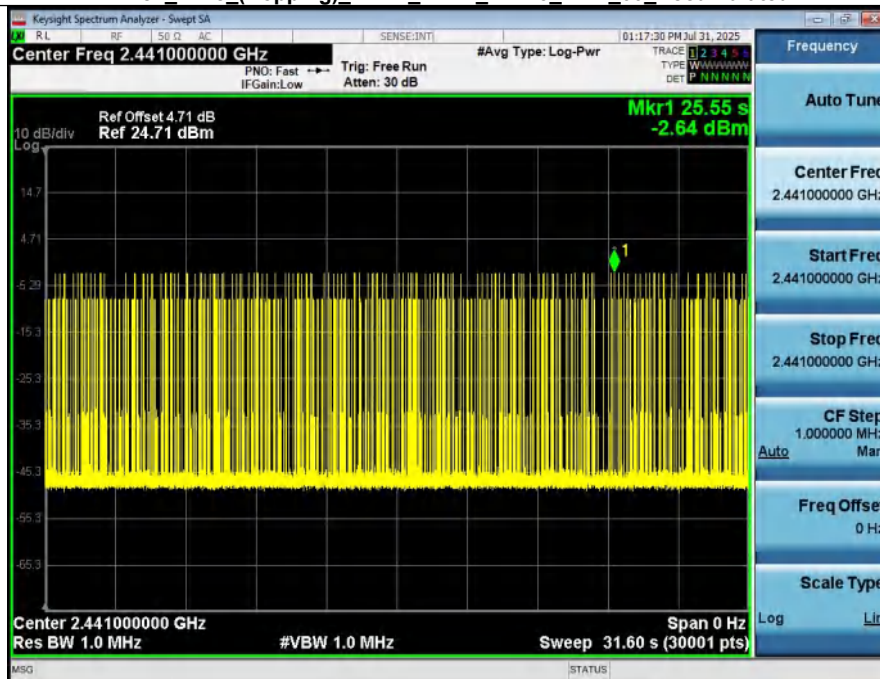
Dwell_Time_(Hopping)_NVNT_ANT1_1-DH5_2441_00_Accumulated



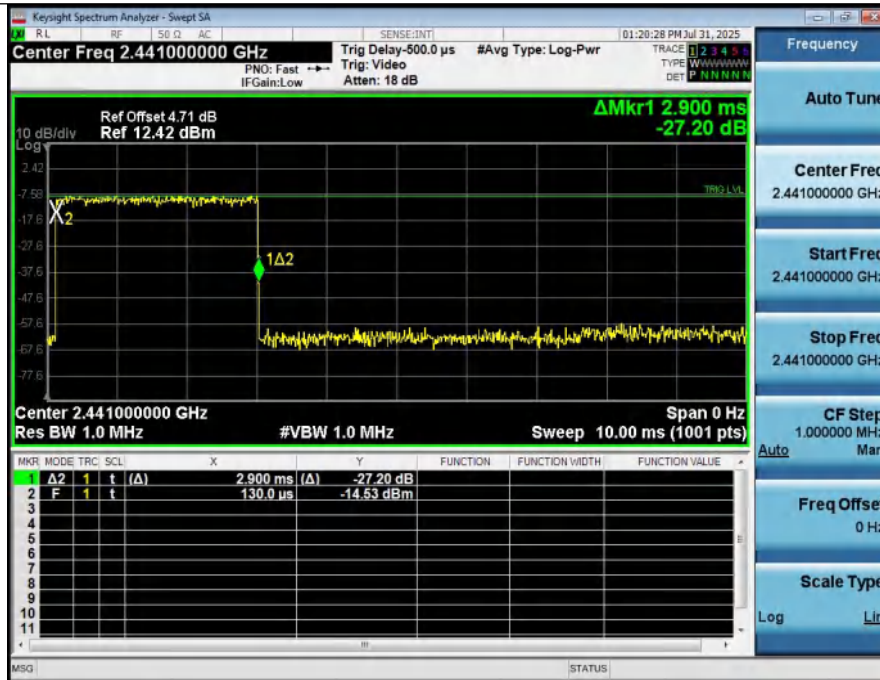
Dwell_Time_(Hopping)_NVNT_ANT1_2-DH3_2441_00_One_Burst Time



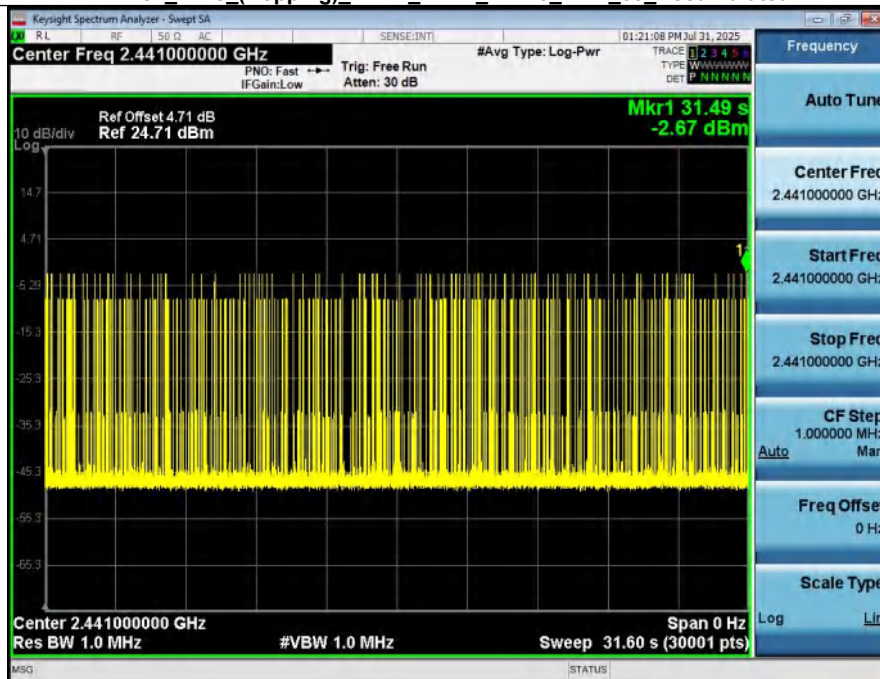
Dwell Time (Hopping) NVNT_ANT1_2-DH3_2441_00_Accumulated



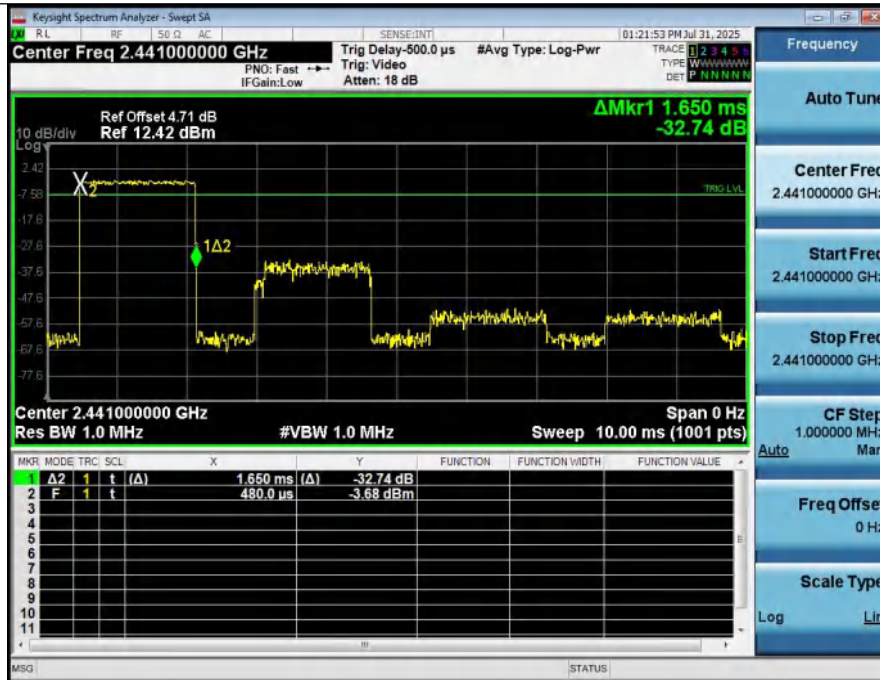
Dwell Time (Hopping) NVNT_ANT1_2-DH5_2441_00_One Burst Time



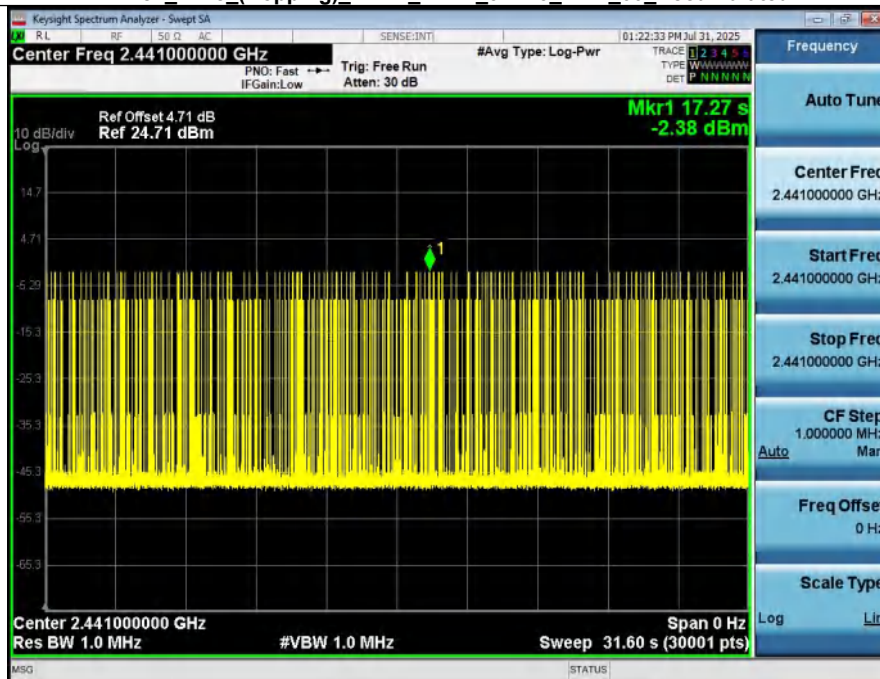
Dwell_Time_(Hopping)_NVNT_ANT1_2-DH5_2441_00_Accumulated



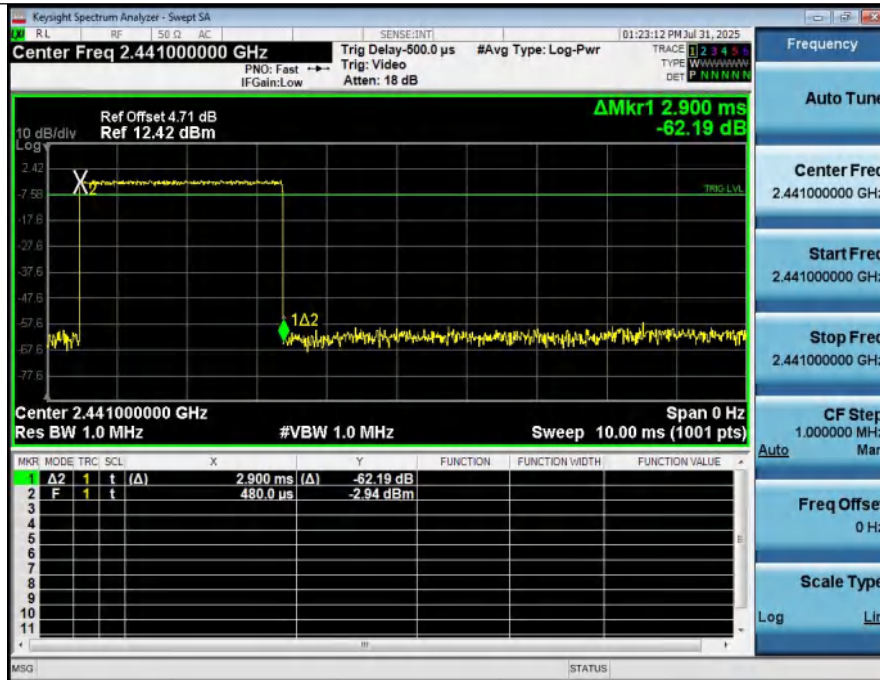
Dwell_Time_(Hopping)_NVNT_ANT1_3-DH3_2441_00_One_Burst Time



Dwell Time (Hopping) NVNT_ANT1_3-DH3_2441_00_Accumulated



Dwell Time (Hopping) NVNT_ANT1_3-DH5_2441_00_One Burst Time



Dwell Time (Hopping) NVNT_ANT1_3-DH5_2441_00_Accumulated

