



MAXLAB Testing Co.,Ltd.

Report No.: MAX250117110P01-R01

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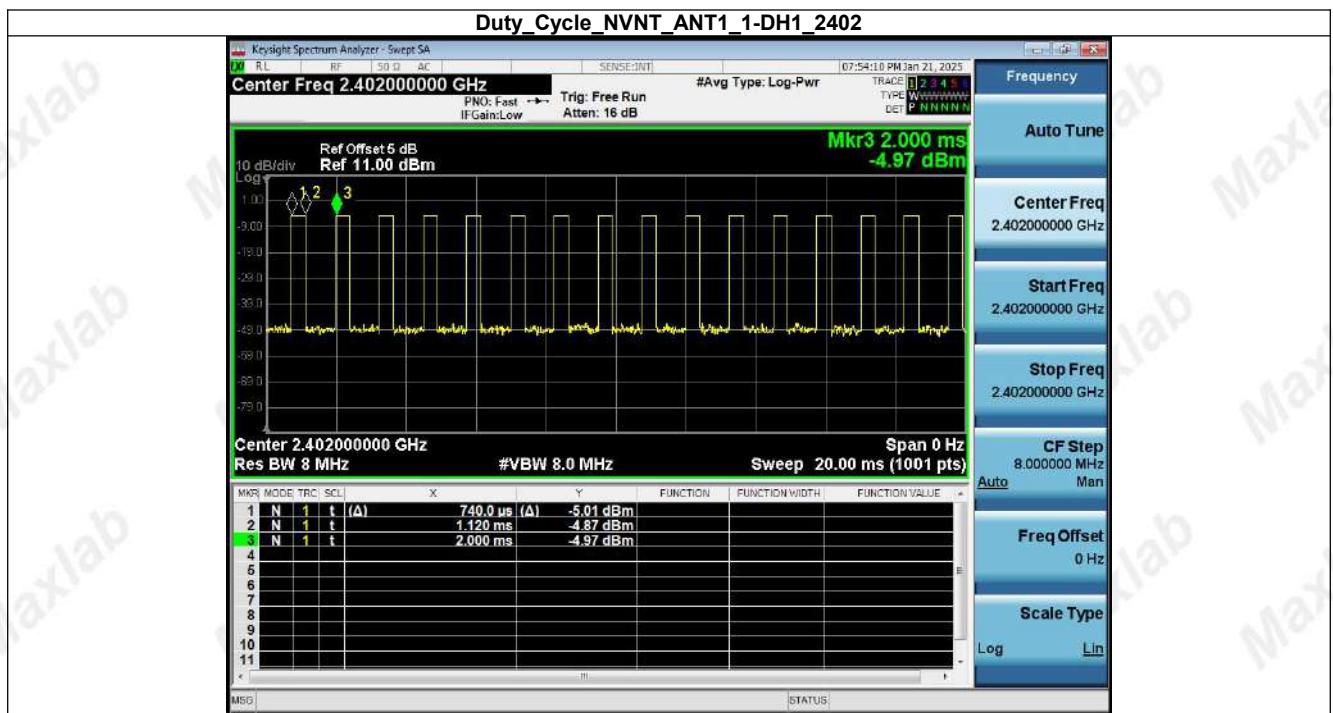
Report No.:MAX250117110P01-R01

FCC ID:2BMNJ-F118

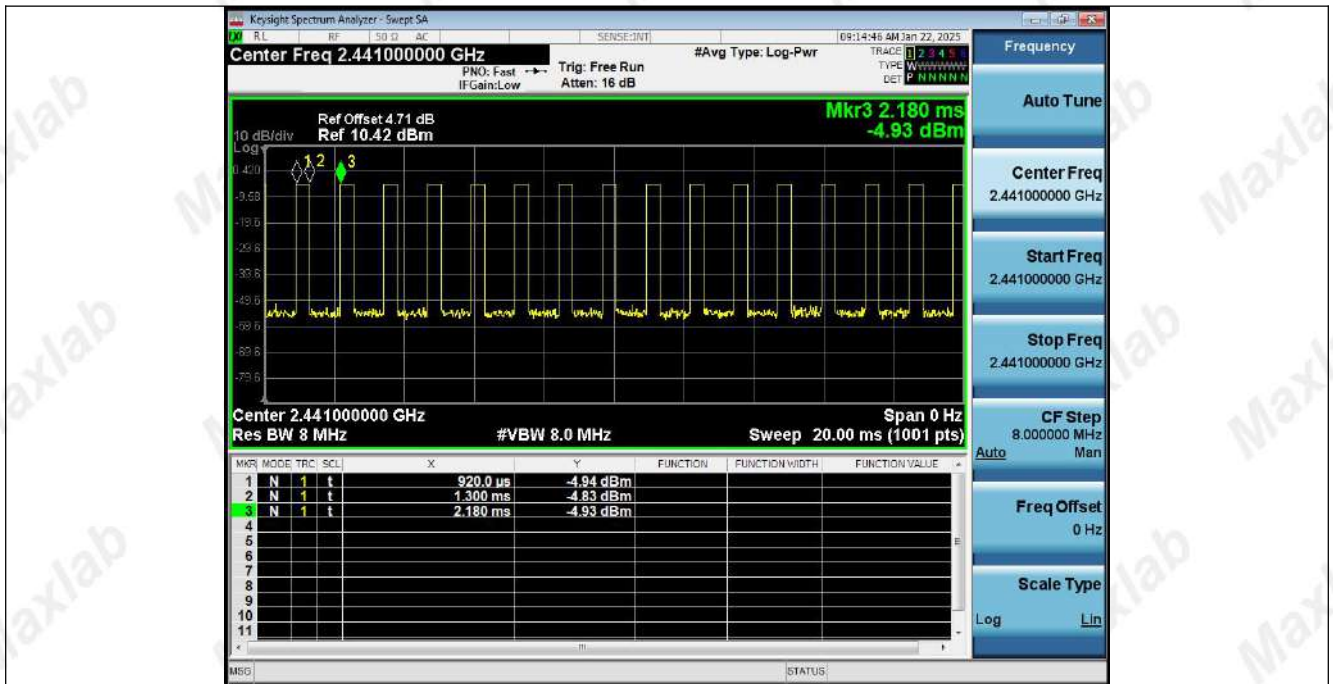
FCC_BT (Part15.247) Test Data

1. Duty Cycle

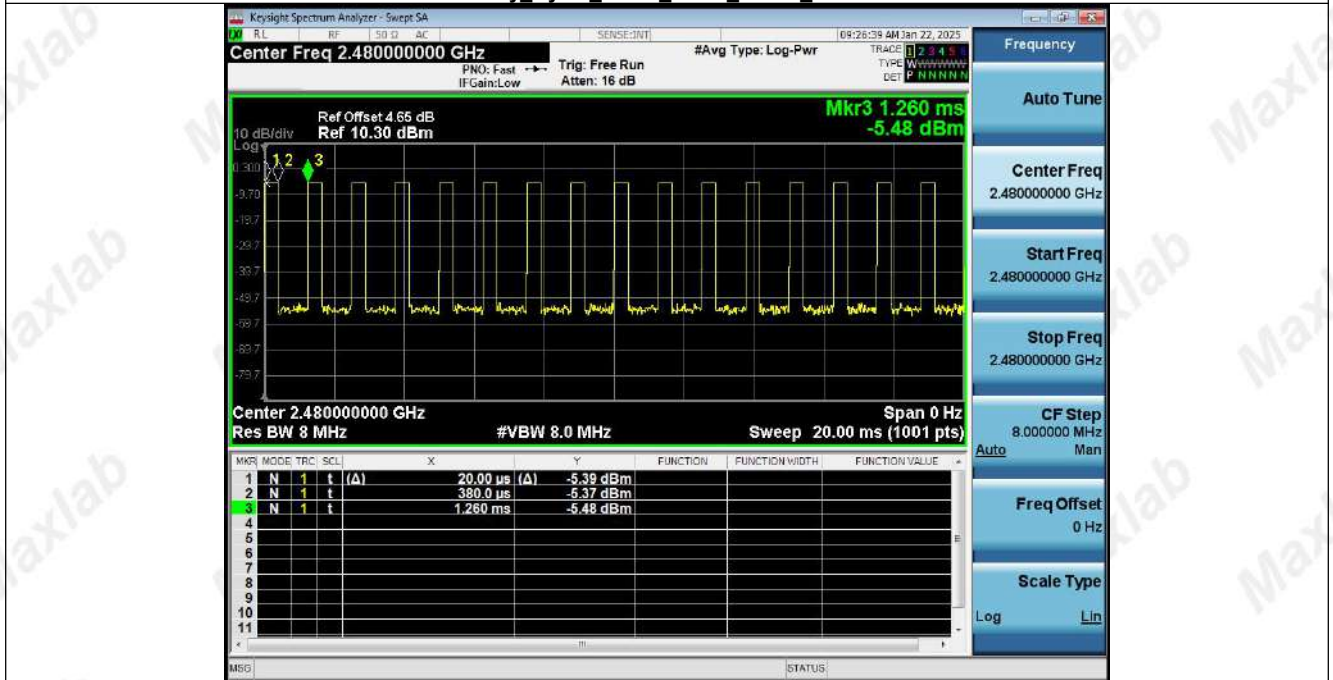
Condition	Antenna	Rate	Frequency (MHz)	Dutycycle(%)	Duty_factor
NVNT	ANT1	1-DH1	2402.00	30.16	5.21
NVNT	ANT1	1-DH1	2441.00	31.75	4.98
NVNT	ANT1	1-DH1	2480.00	29.03	5.37
NVNT	ANT1	2-DH1	2402.00	32.26	4.91
NVNT	ANT1	2-DH1	2441.00	30.65	5.14
NVNT	ANT1	2-DH1	2480.00	31.75	4.98
NVNT	ANT1	3-DH1	2402.00	31.75	4.98
NVNT	ANT1	3-DH1	2441.00	31.75	4.98
NVNT	ANT1	3-DH1	2480.00	30.65	5.14



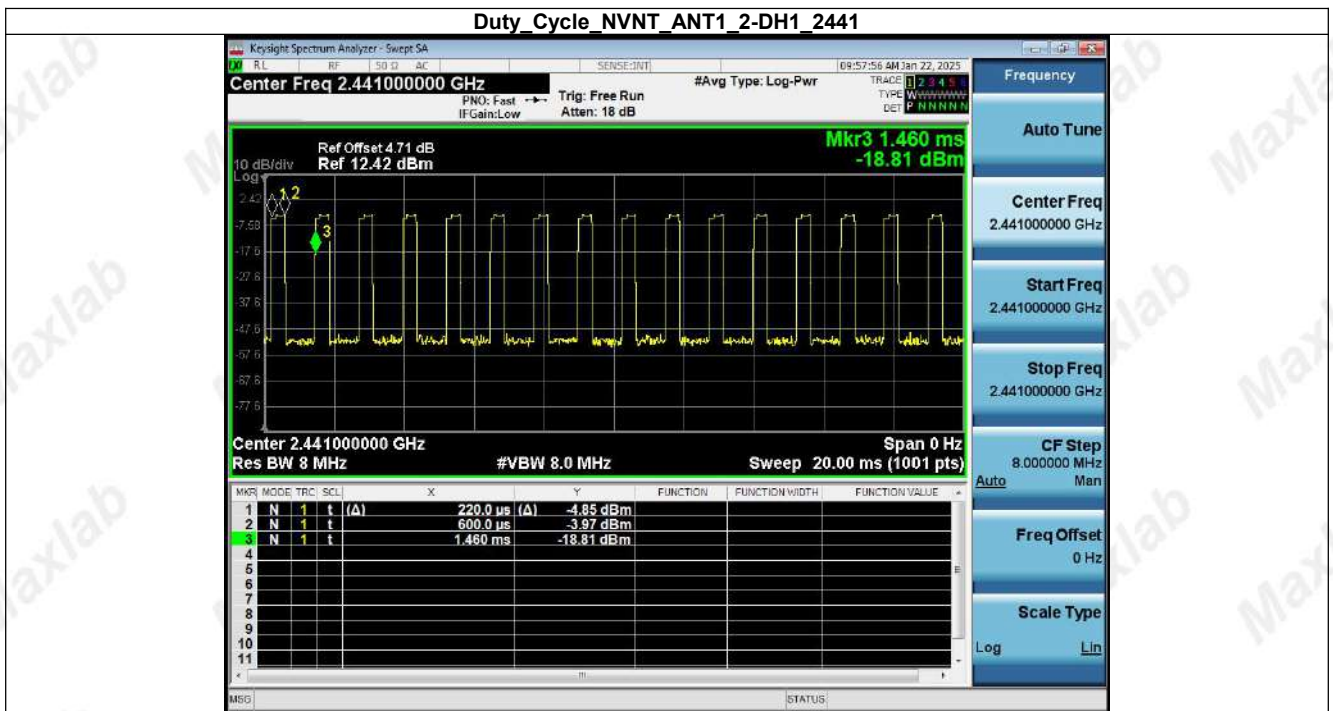
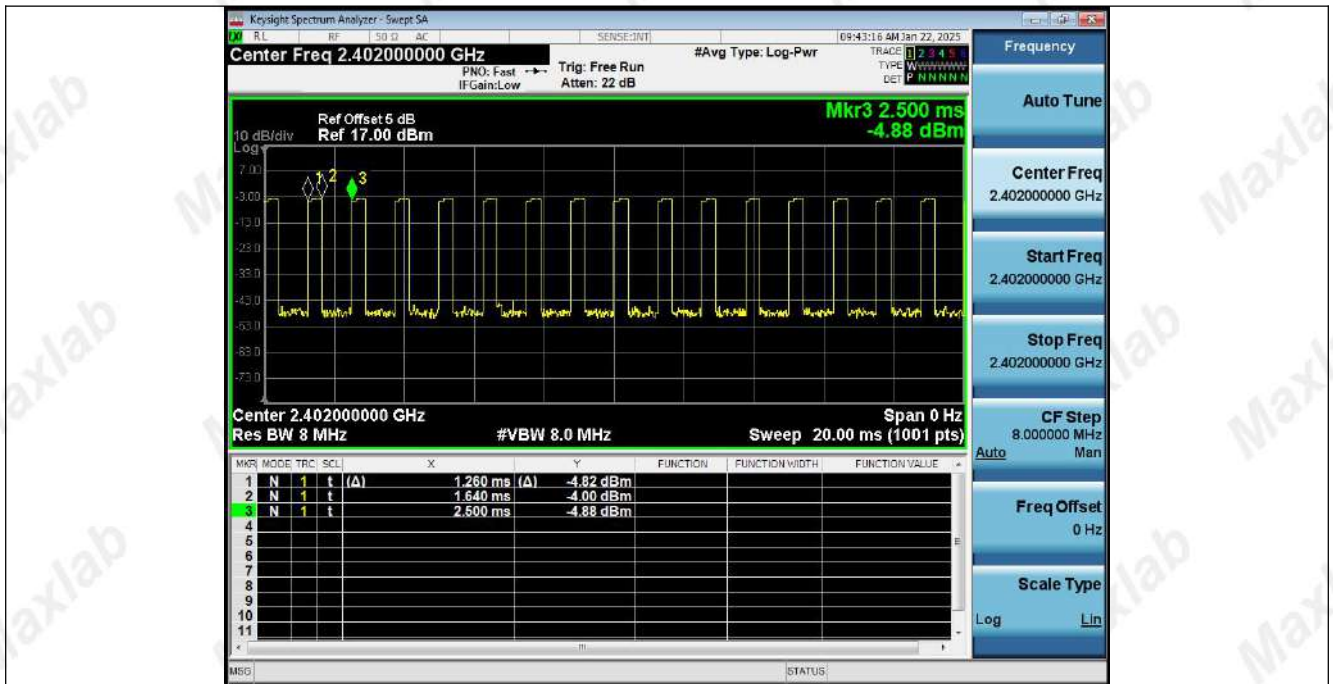
Duty_Cycle_NVNT_ANT1_1-DH1_2441



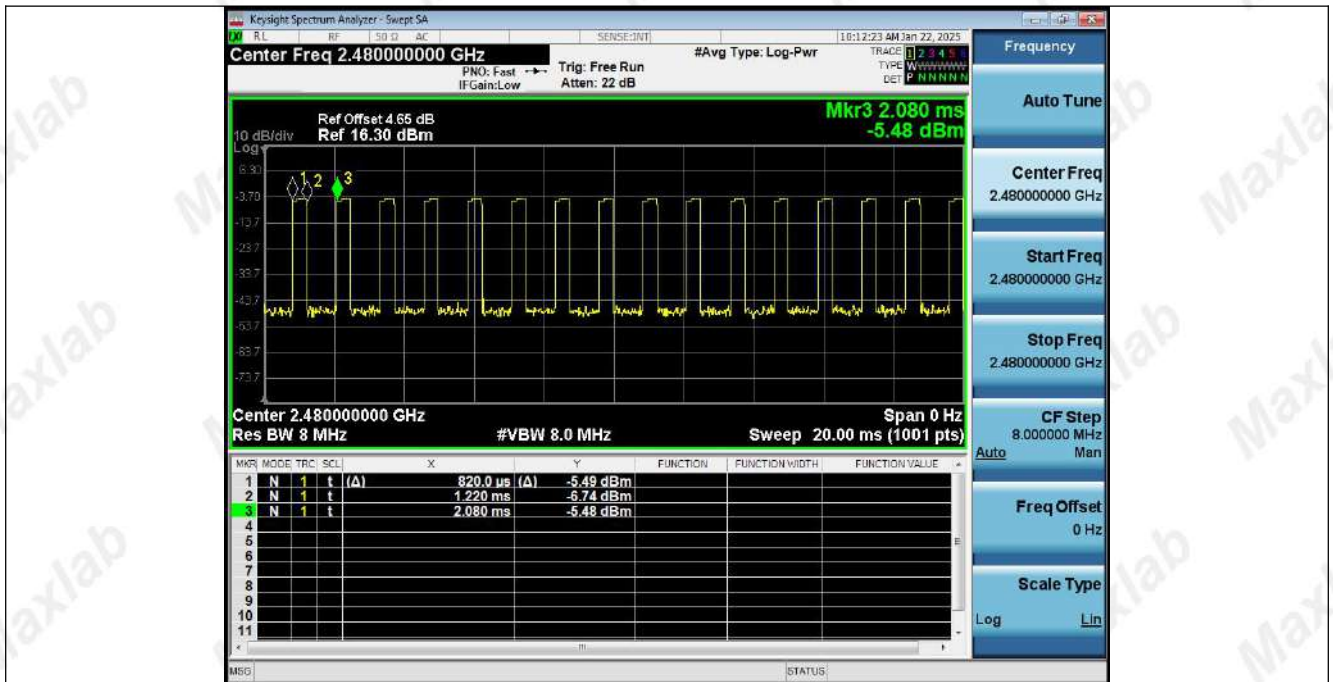
Duty Cycle_NVNT_ANT1_1-DH1_2480



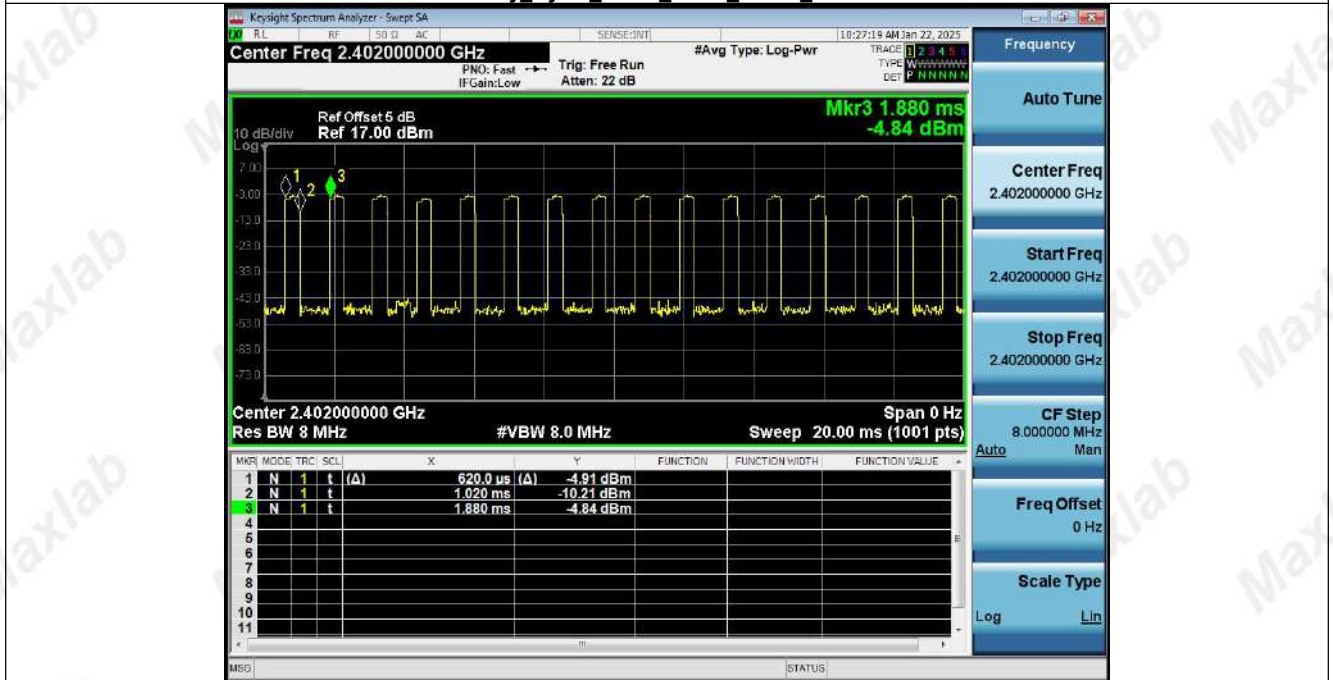
Duty Cycle_NVNT_ANT1_2-DH1_2402



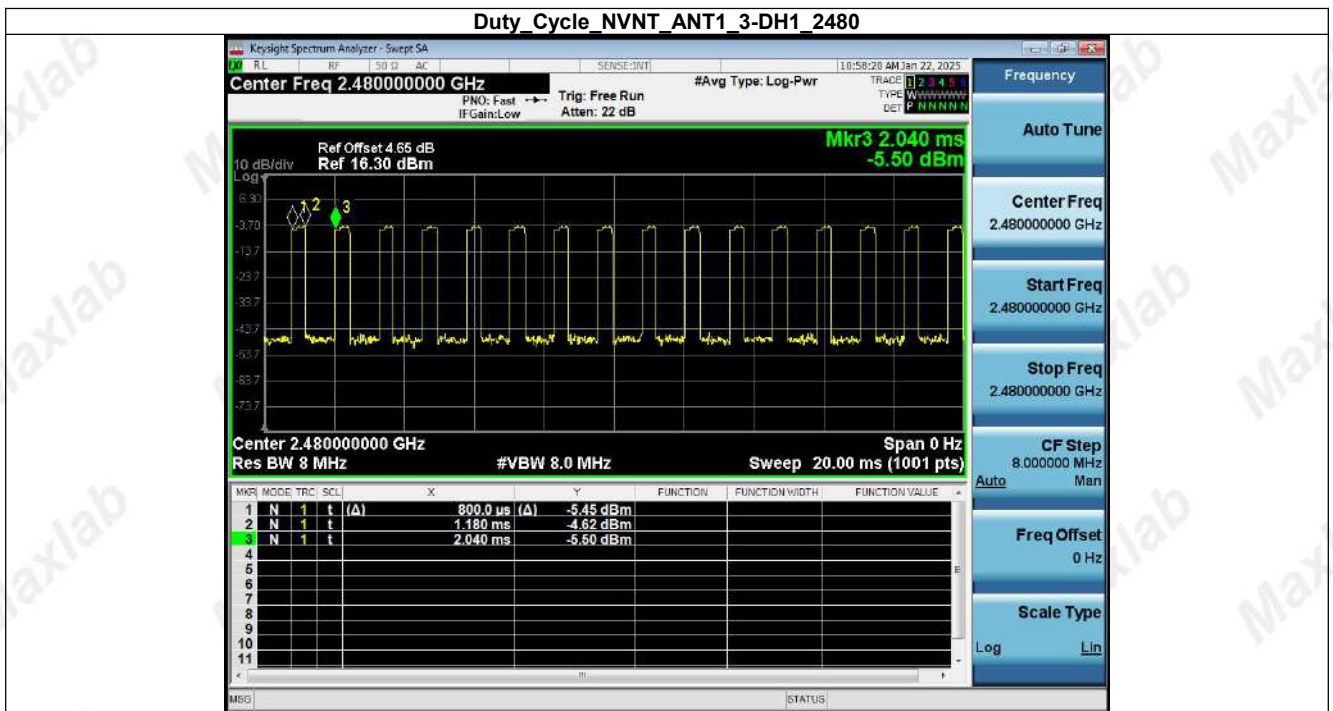
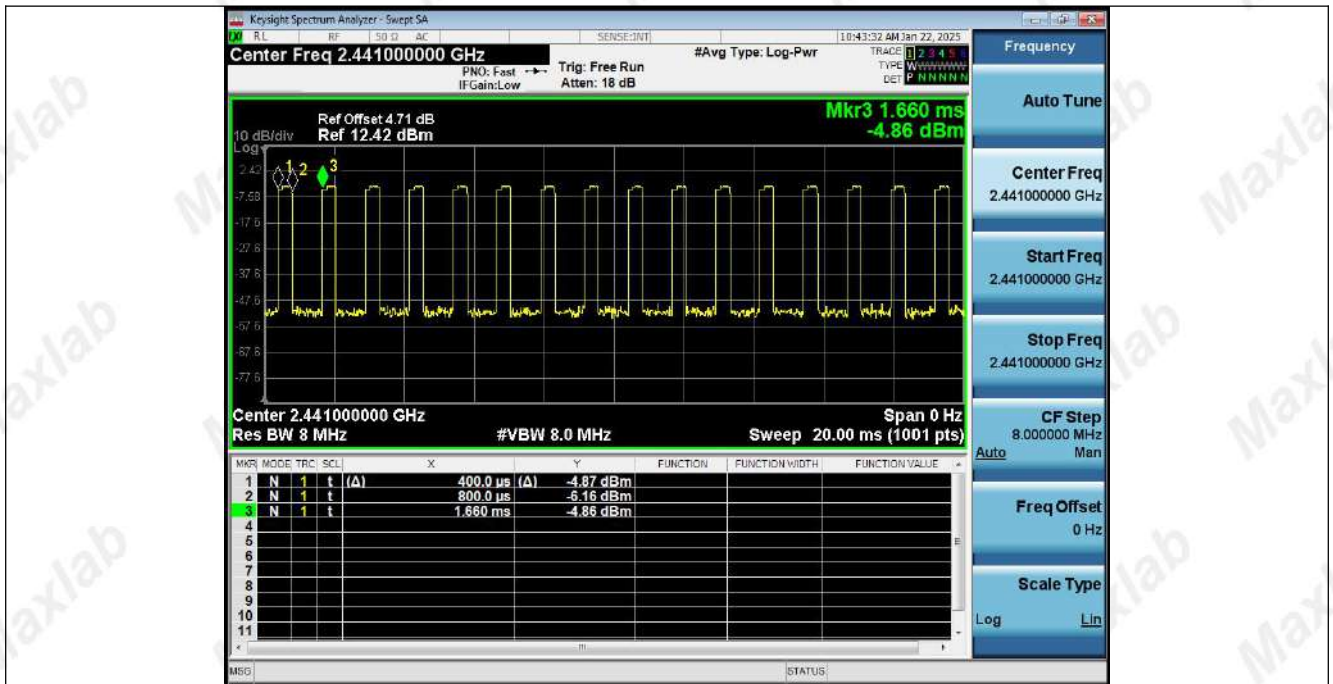
Duty Cycle_NVNT_ANT1_2-DH1_2480



Duty Cycle_NVNT_ANT1_3-DH1_2402

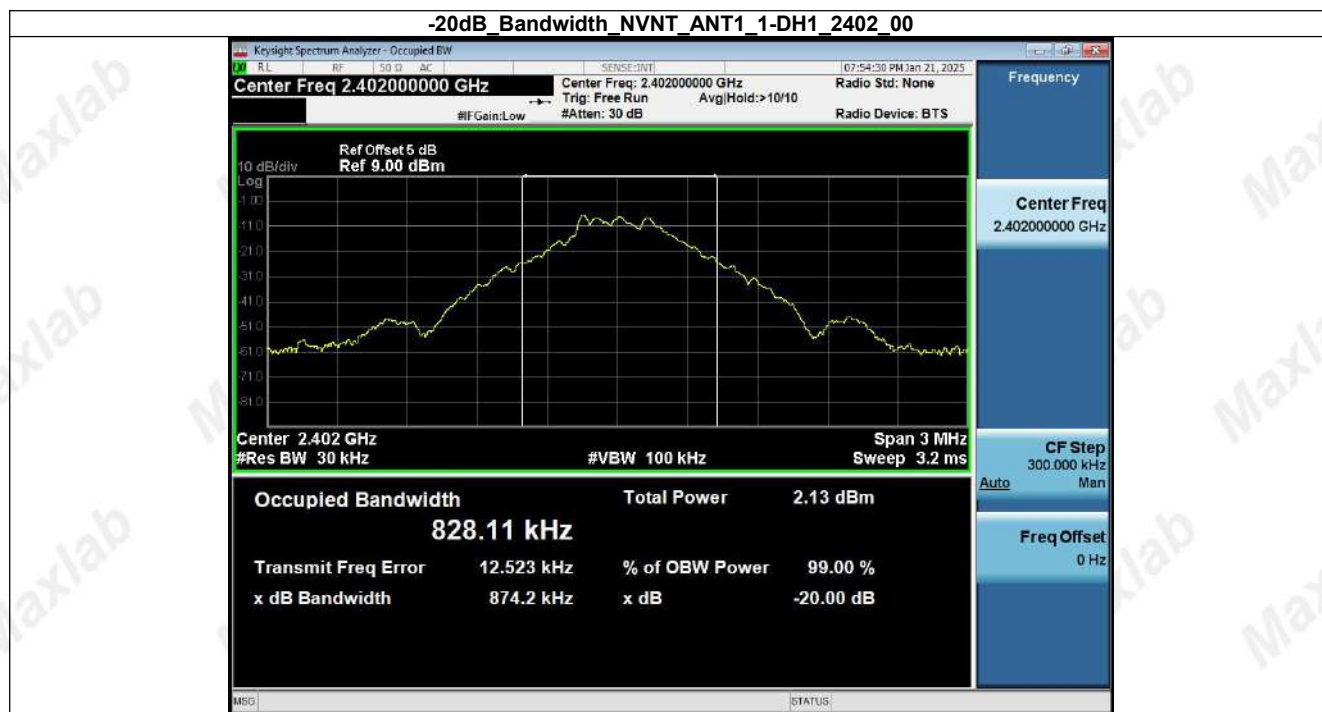


Duty Cycle_NVNT_ANT1_3-DH1_2441



2. -20dB Bandwidth

Condition	Antenna	Modulation	Frequency (MHz)	-20dB BW(MHz)	if larger than CFS
NVNT	ANT1	1-DH1	2402.00	0.874	No
NVNT	ANT1	1-DH1	2441.00	0.874	No
NVNT	ANT1	1-DH1	2480.00	0.876	No
NVNT	ANT1	2-DH1	2402.00	1.275	Yes
NVNT	ANT1	2-DH1	2441.00	1.278	Yes
NVNT	ANT1	2-DH1	2480.00	1.274	Yes
NVNT	ANT1	3-DH1	2402.00	1.225	Yes
NVNT	ANT1	3-DH1	2441.00	1.249	Yes
NVNT	ANT1	3-DH1	2480.00	1.244	Yes



-20dB_Bandwidth_NVNT_ANT1_1-DH1_2441_00









3. 99% Occupied Bandwidth

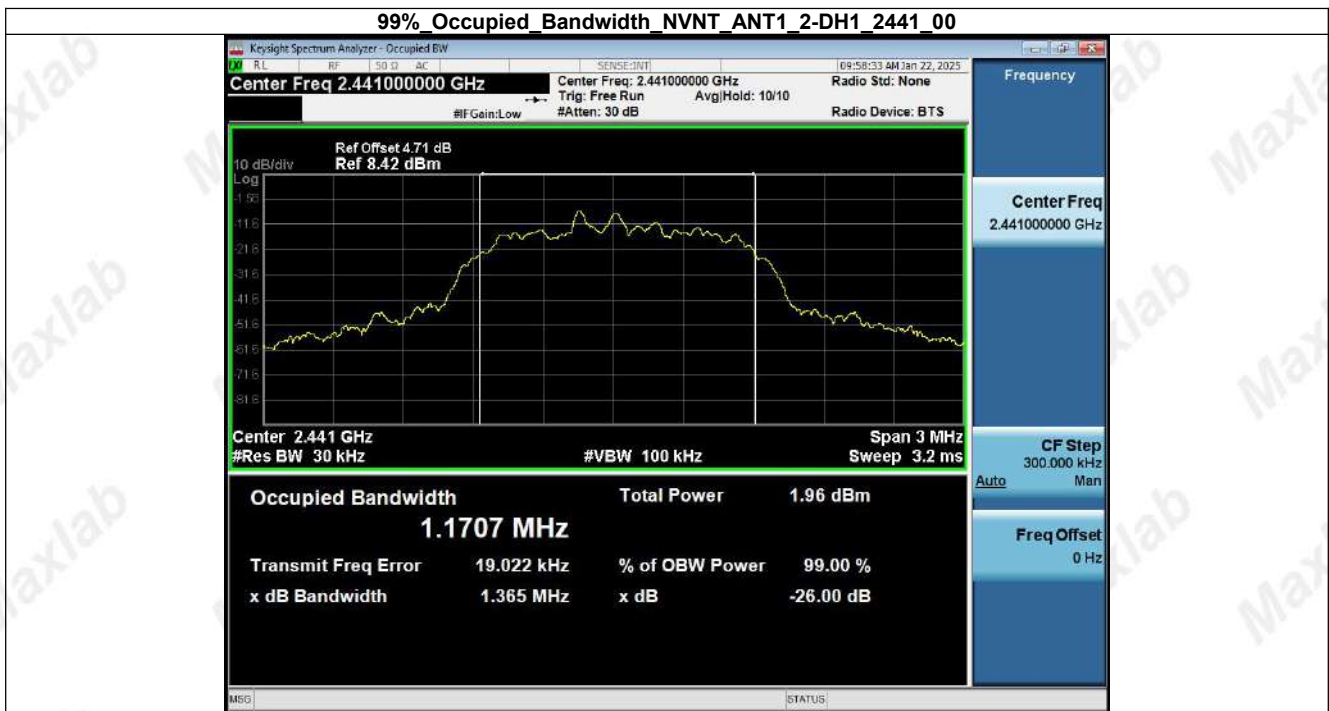
Condition	Antenna	Modulation	Frequency (MHz)	99% BW (MHz)
NVNT	ANT1	1-DH1	2402.00	0.828
NVNT	ANT1	1-DH1	2441.00	0.828
NVNT	ANT1	1-DH1	2480.00	0.826
NVNT	ANT1	2-DH1	2402.00	1.168
NVNT	ANT1	2-DH1	2441.00	1.171
NVNT	ANT1	2-DH1	2480.00	1.172
NVNT	ANT1	3-DH1	2402.00	1.163
NVNT	ANT1	3-DH1	2441.00	1.164
NVNT	ANT1	3-DH1	2480.00	1.164



99%_Occupied_Bandwidth_NVNT_ANT1_1-DH1_2441_00



99% Occupied Bandwidth NVNT_ANT1_2-DH1_2402_00



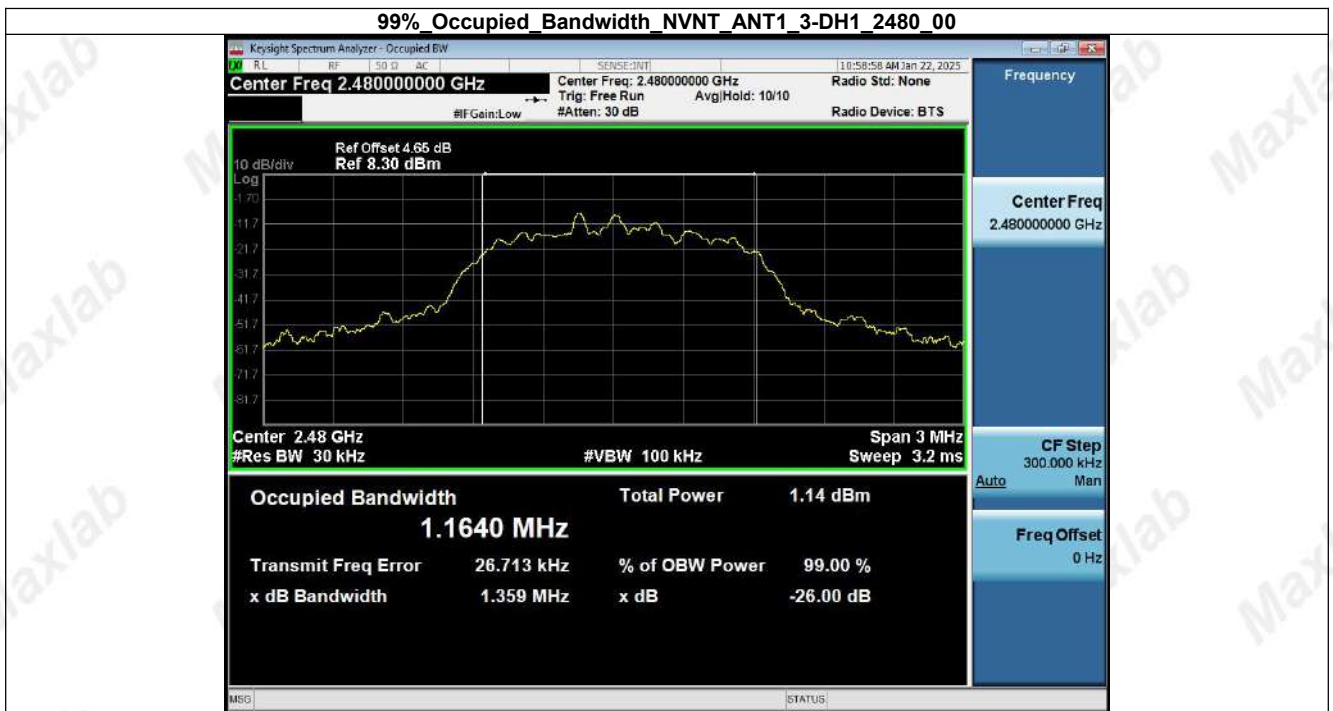
99%_Occupied_Bandwidth_NVNT_ANT1_2-DH1_2480_00



99% Occupied Bandwidth_NVNT_ANT1_3-DH1_2402_00



99% Occupied Bandwidth_NVNT_ANT1_3-DH1_2441_00



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	-0.98	0.80	1000	Pass
NVNT	ANT1	1-DH1	2441.00	-1.20	0.76	1000	Pass
NVNT	ANT1	1-DH1	2480.00	-1.98	0.63	1000	Pass
NVNT	ANT1	2-DH1	2402.00	-0.27	0.94	125	Pass
NVNT	ANT1	2-DH1	2441.00	-0.42	0.91	125	Pass
NVNT	ANT1	2-DH1	2480.00	-1.23	0.75	125	Pass
NVNT	ANT1	3-DH1	2402.00	0.29	1.07	125	Pass
NVNT	ANT1	3-DH1	2441.00	0.16	1.04	125	Pass
NVNT	ANT1	3-DH1	2480.00	-0.61	0.87	125	Pass



Peak_Output_Power_NVNT_ANT1_1-DH1_2441_00



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



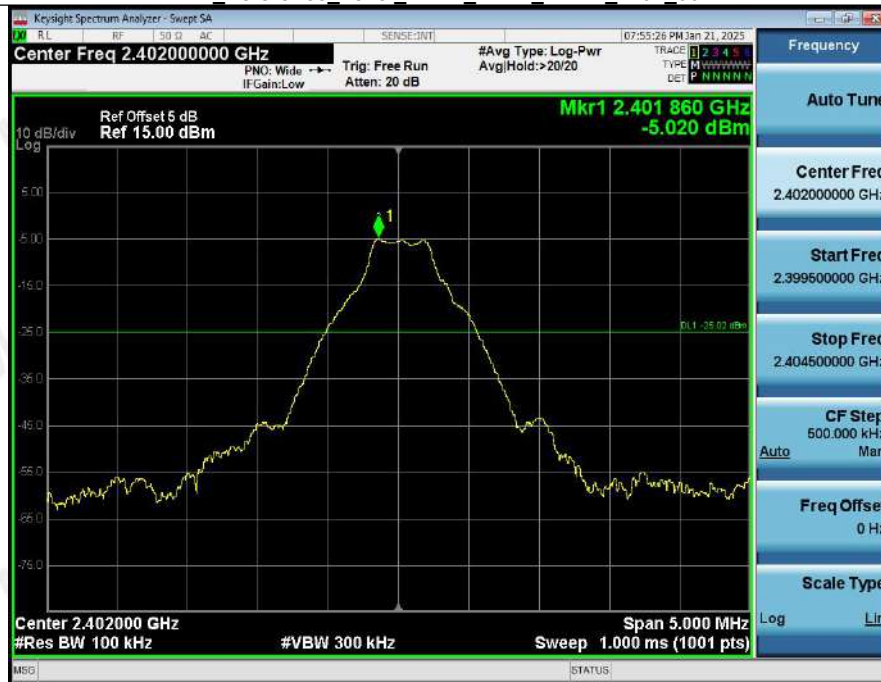
Peak Output Power_NVNT_ANT1_3-DH1_2441_00



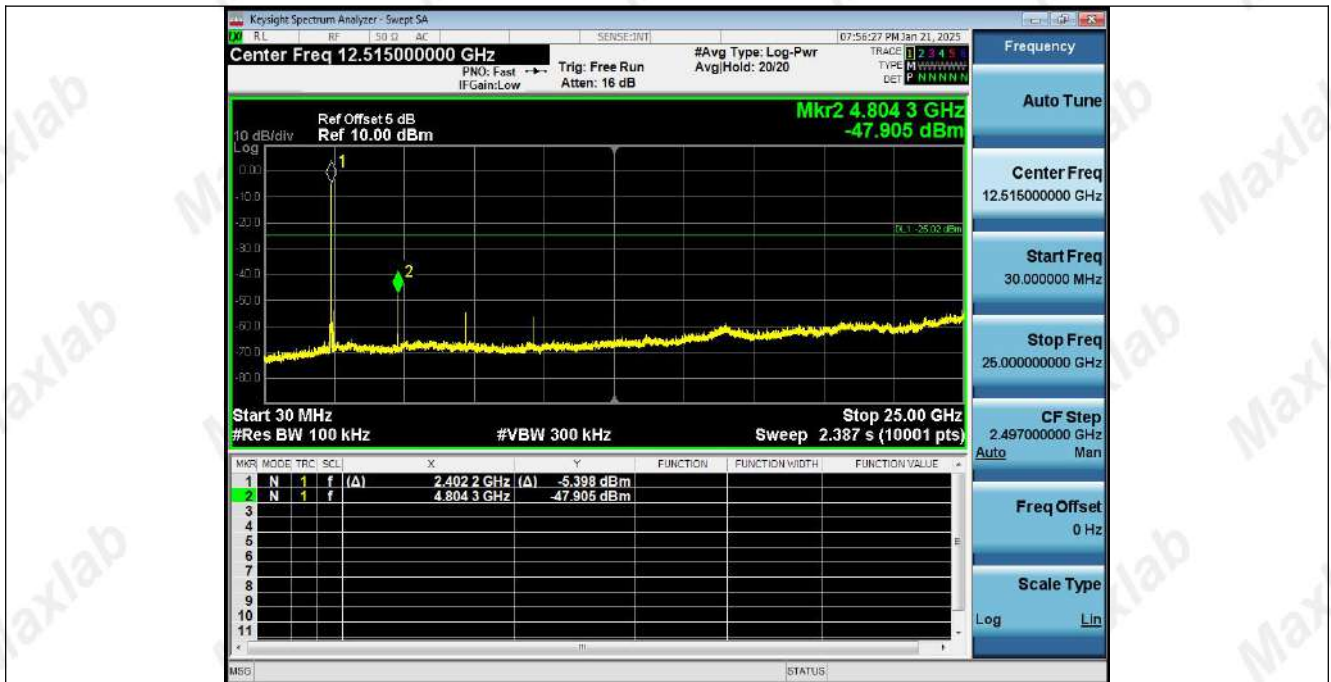
5. Spurious Emissions

Condition	Antenna	Modulation	TX Mode	Ref_level(dBm)	Spurious MAX.Value(dBm)	Limit	Result
NVNT	ANT1	1-DH1	2402.00	-5.020	-47.905	-25.020	Pass
NVNT	ANT1	1-DH1	2441.00	-5.008	-49.167	-25.008	Pass
NVNT	ANT1	1-DH1	2480.00	-5.525	-48.075	-25.525	Pass
NVNT	ANT1	2-DH1	2402.00	-4.983	-50.041	-24.983	Pass
NVNT	ANT1	2-DH1	2441.00	-4.893	-49.167	-24.893	Pass
NVNT	ANT1	2-DH1	2480.00	-5.576	-48.600	-25.576	Pass
NVNT	ANT1	3-DH1	2402.00	-4.962	-48.332	-24.962	Pass
NVNT	ANT1	3-DH1	2441.00	-5.058	-47.938	-25.058	Pass
NVNT	ANT1	3-DH1	2480.00	-5.562	-49.013	-25.562	Pass

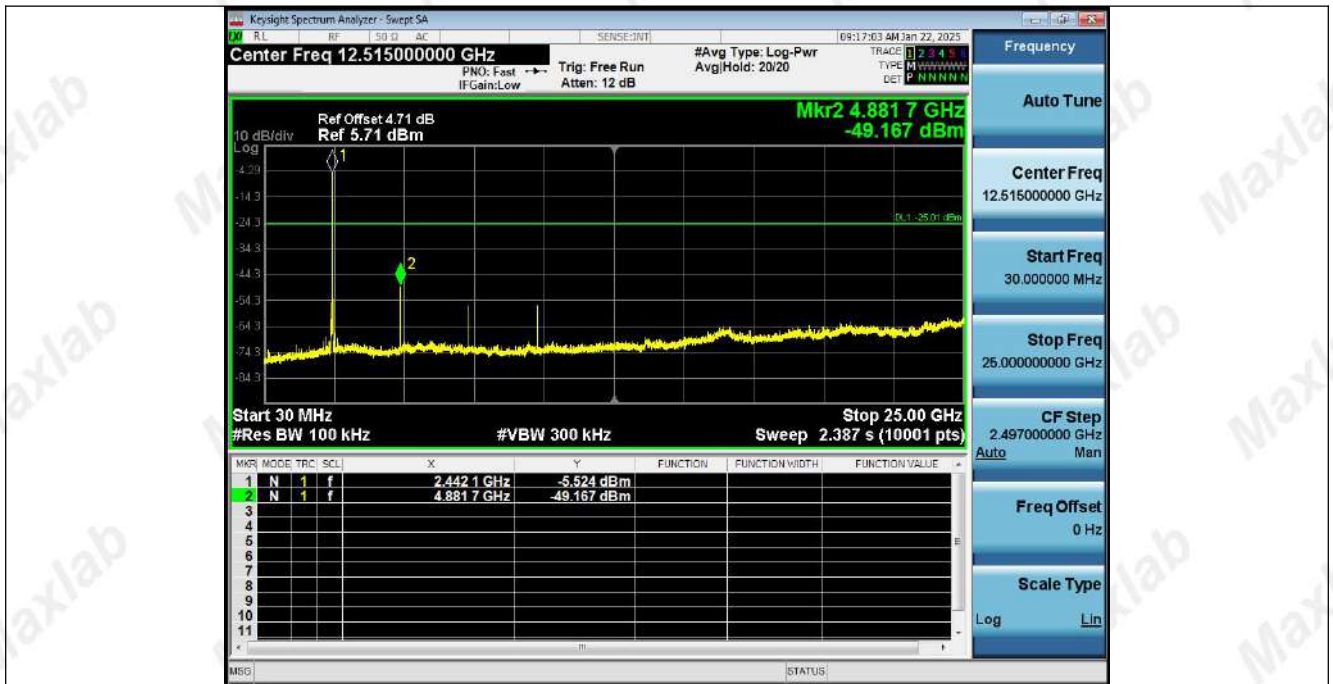
1_Reference_Level_NVNT_ANT1_1-DH1_2402_00



2_Spurious_Emissions_NVNT_ANT1_1-DH1_2402_00



2 Spurious Emissions NVNT ANT1 1-DH1 2441 00



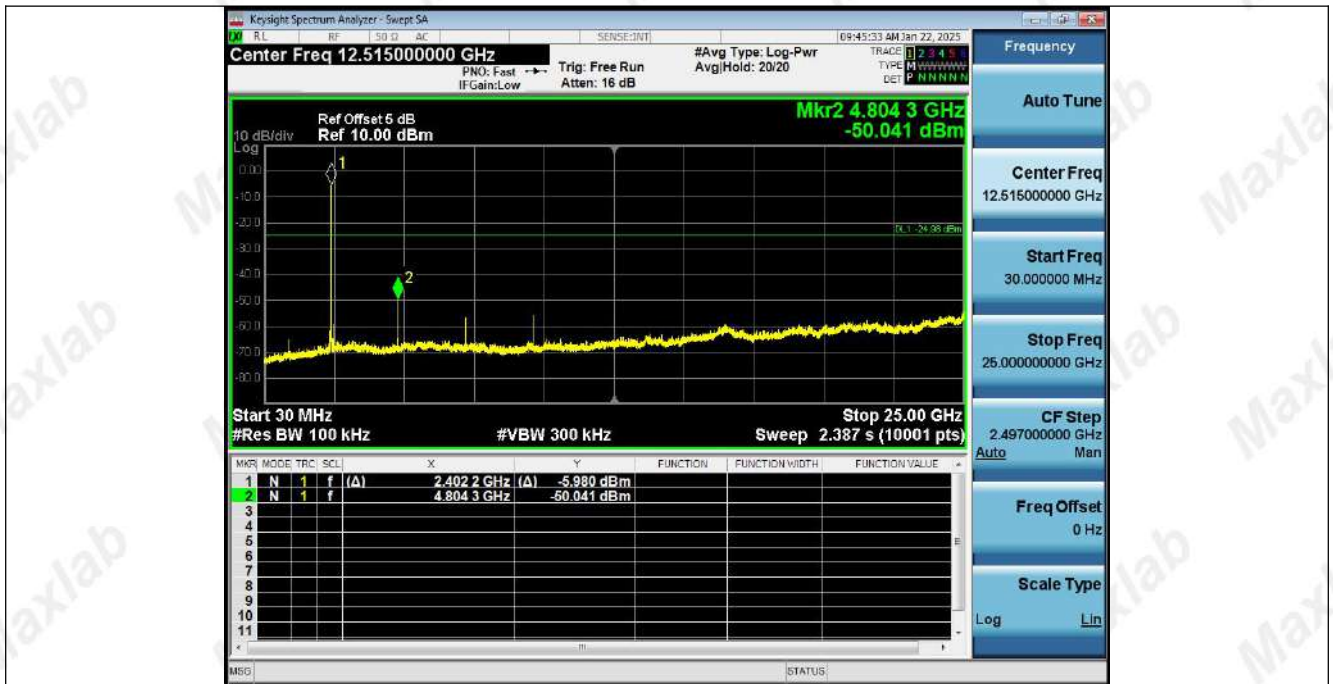
2 Spurious Emissions NVNT ANT1 1-DH1 2480 00



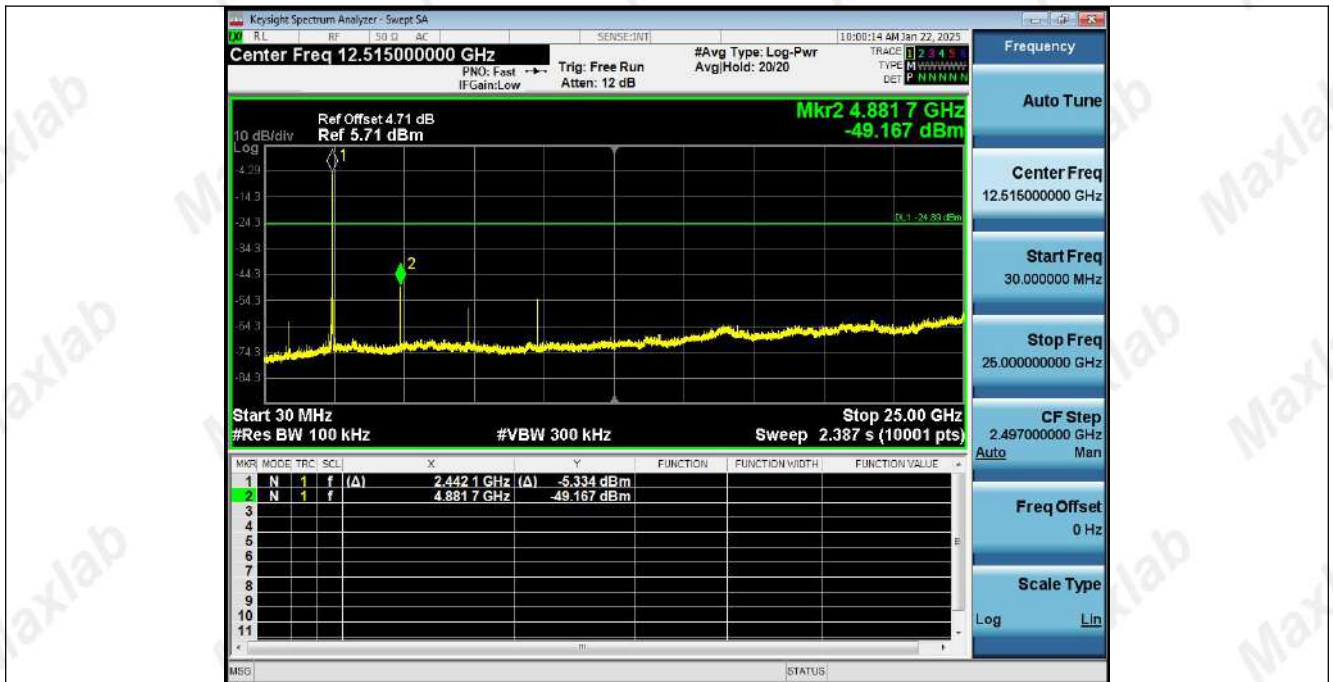
1 Reference Level NVNT ANT1 2-DH1 2402 00



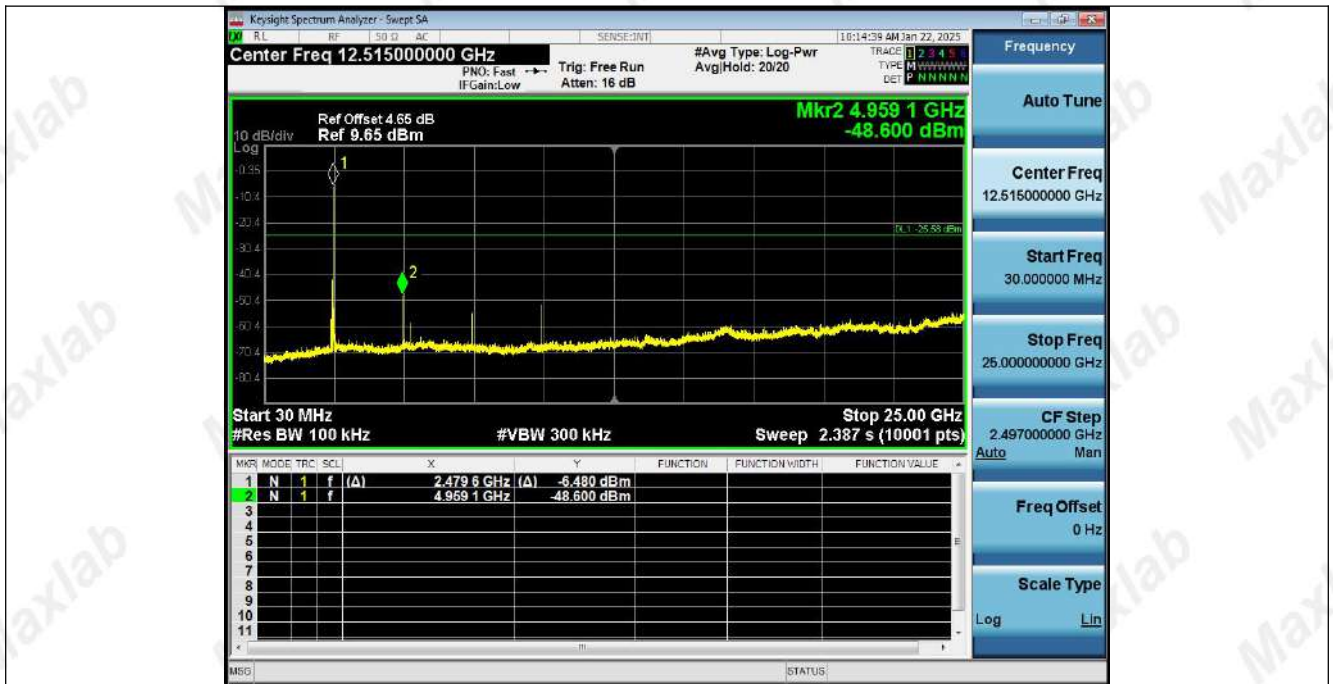
2 Spurious Emissions NVNT ANT1 2-DH1 2402 00



2 Spurious Emissions NVNT ANT1 2-DH1 2441 00



2 Spurious Emissions NVNT ANT1 2-DH1 2480 00



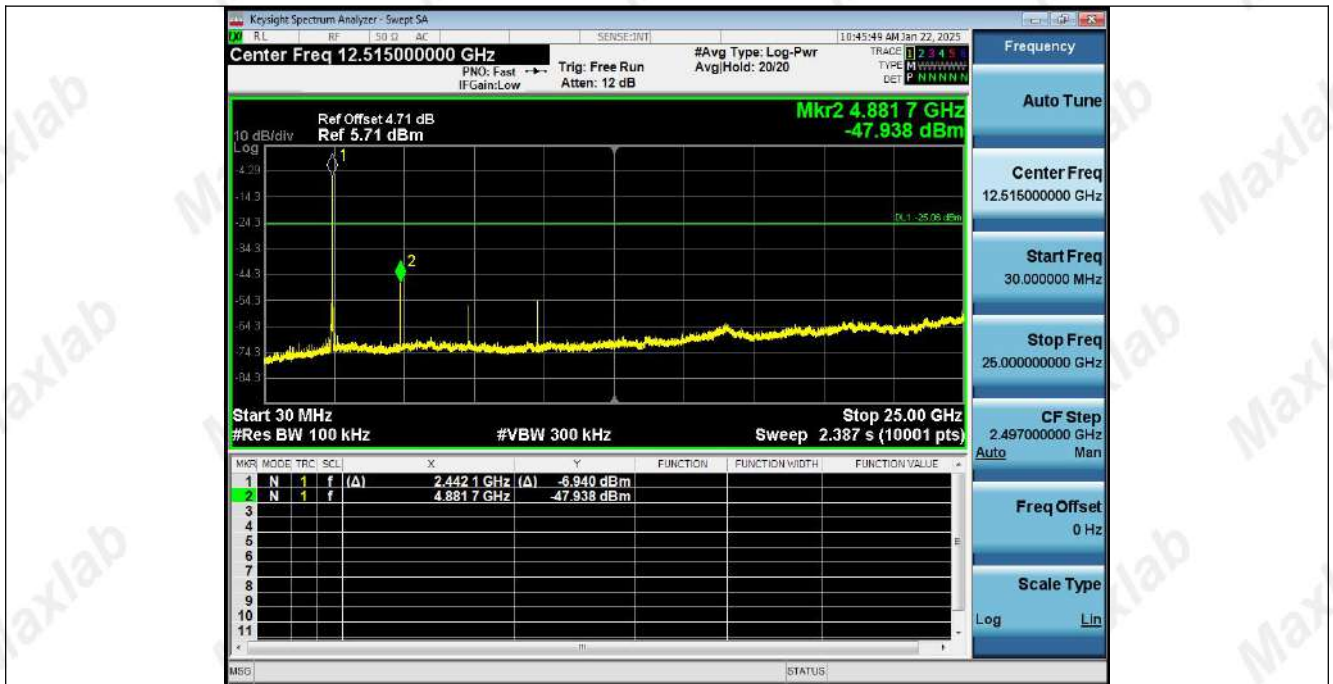
1 Reference Level NVNT ANT1 3-DH1 2402 00



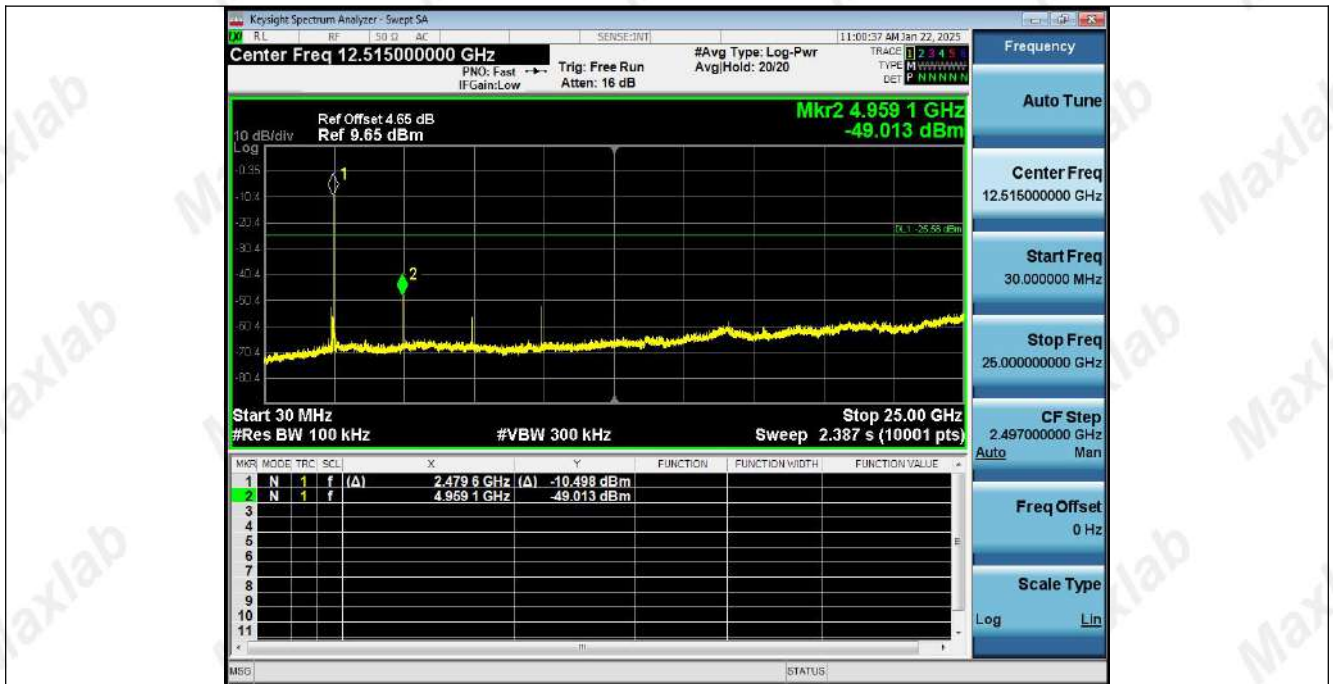
2 Spurious Emissions NVNT ANT1 3-DH1 2402 00



2 Spurious Emissions NVNT ANT1 3-DH1 2441 00



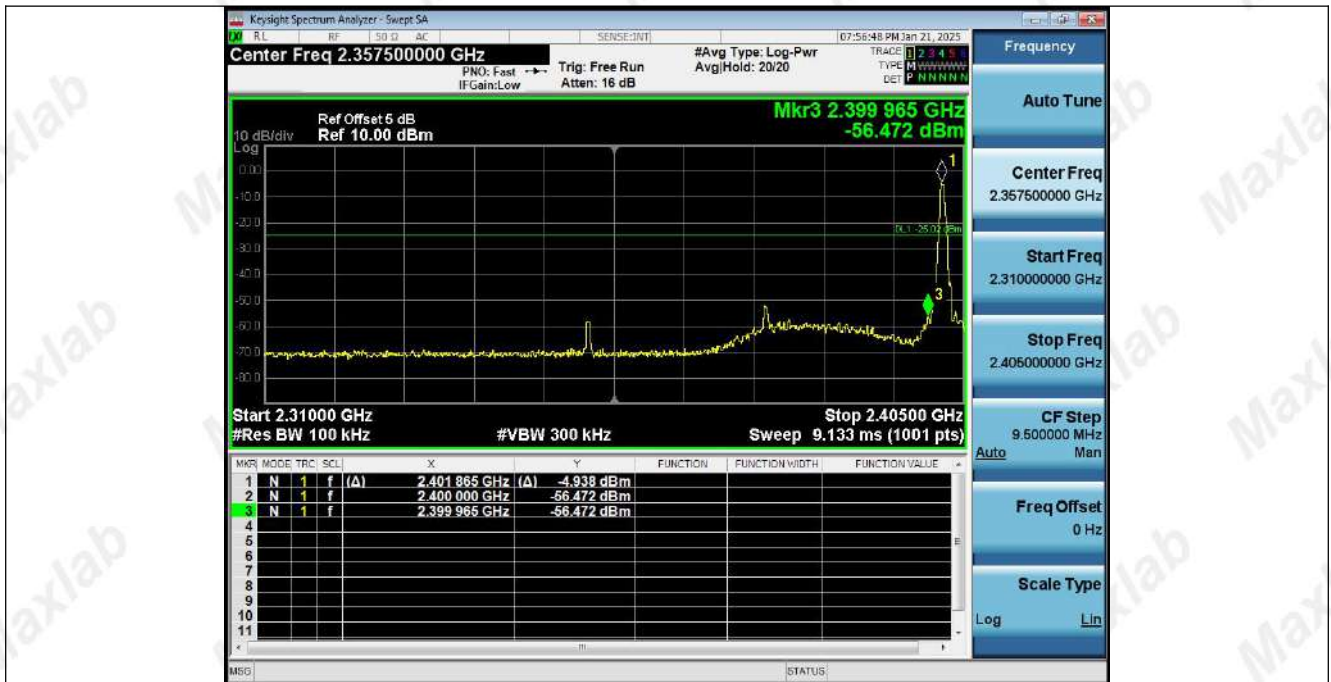
2 Spurious Emissions NVNT ANT1 3-DH1 2480 00



6. Bandedge

Condition	Antenna	Modulation	TX Mode	Ref_level(dBm)	Bandedge MAX.Value	Limit	Result
NVNT	ANT1	1-DH1	2402.00	-5.020	-56.472	-25.020	Pass
NVNT	ANT1	1-DH1	Hopping_LCH	-4.606	-52.447	-24.606	Pass
NVNT	ANT1	1-DH1	2480.00	-5.525	-59.090	-25.525	Pass
NVNT	ANT1	1-DH1	Hopping_HCH	-4.789	-51.650	-24.789	Pass
NVNT	ANT1	2-DH1	2402.00	-4.983	-55.404	-24.983	Pass
NVNT	ANT1	2-DH1	Hopping_LCH	-4.533	-52.818	-24.533	Pass
NVNT	ANT1	2-DH1	2480.00	-5.576	-59.002	-25.576	Pass
NVNT	ANT1	2-DH1	Hopping_HCH	-4.844	-52.052	-24.844	Pass
NVNT	ANT1	3-DH1	2402.00	-4.962	-55.014	-24.962	Pass
NVNT	ANT1	3-DH1	Hopping_LCH	-4.558	-52.358	-24.558	Pass
NVNT	ANT1	3-DH1	2480.00	-5.562	-59.098	-25.562	Pass
NVNT	ANT1	3-DH1	Hopping_HCH	-4.878	-52.174	-24.878	Pass

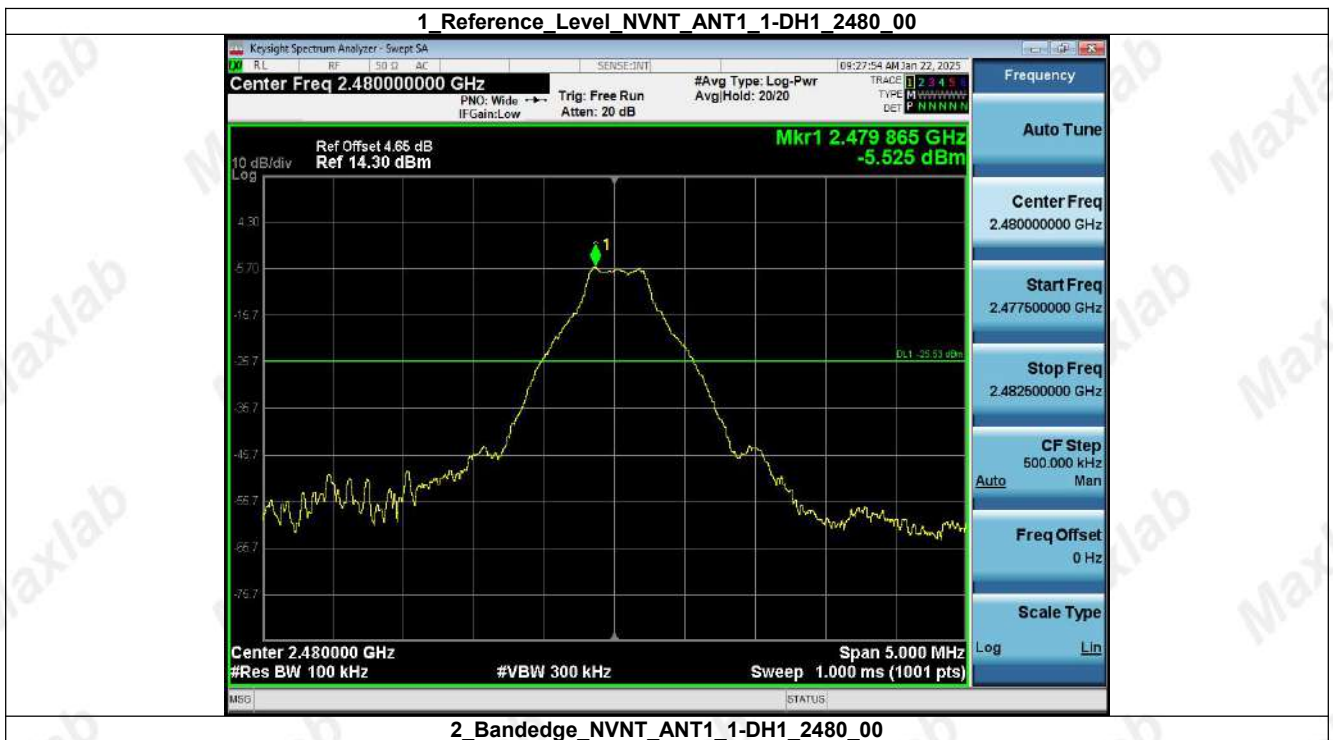
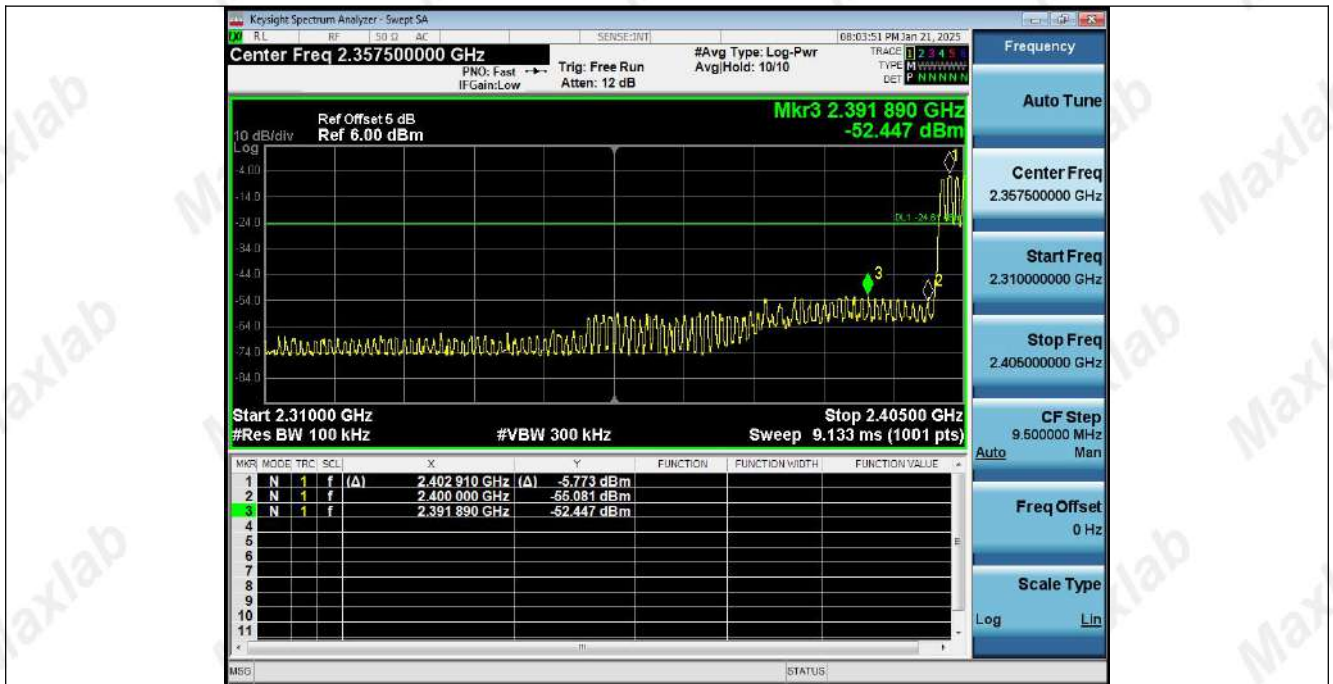


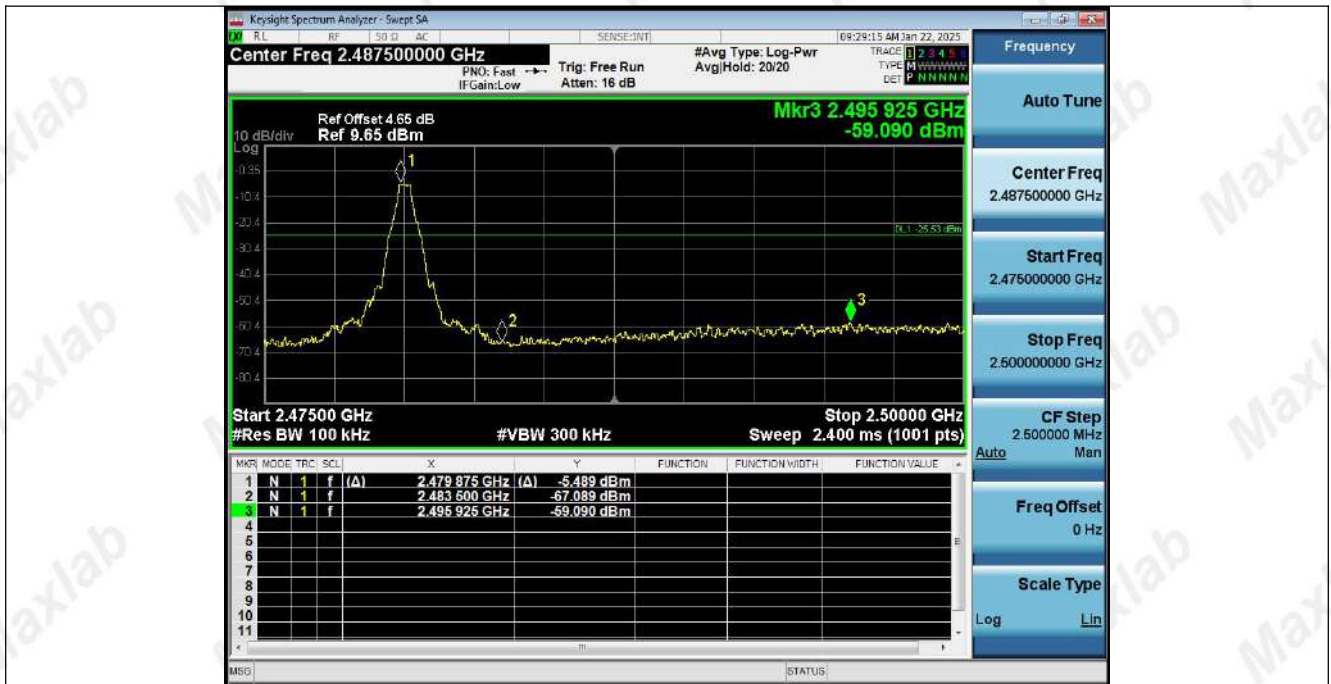


1 Reference_Level_Hopping_NVNT_ANT1_1-DH1_Hopping

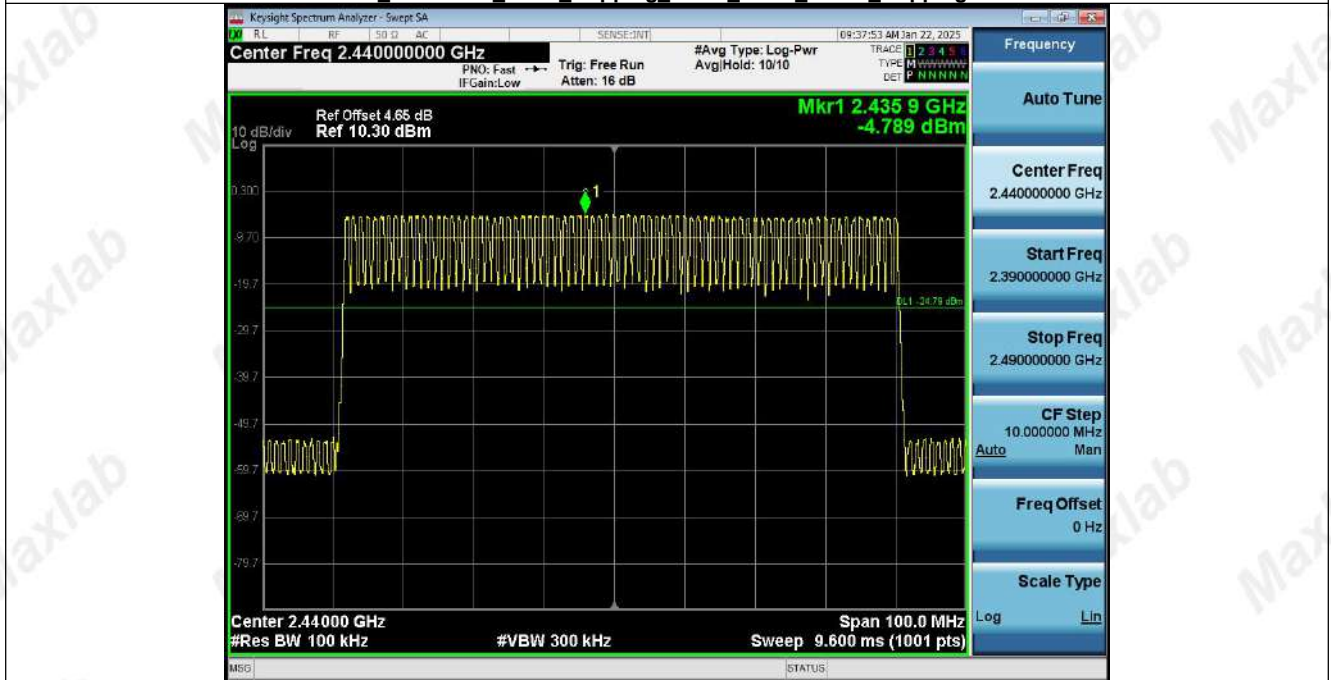


2_Band_Edge_(Hopping)_NVNT_ANT1_1-DH1_Hopping

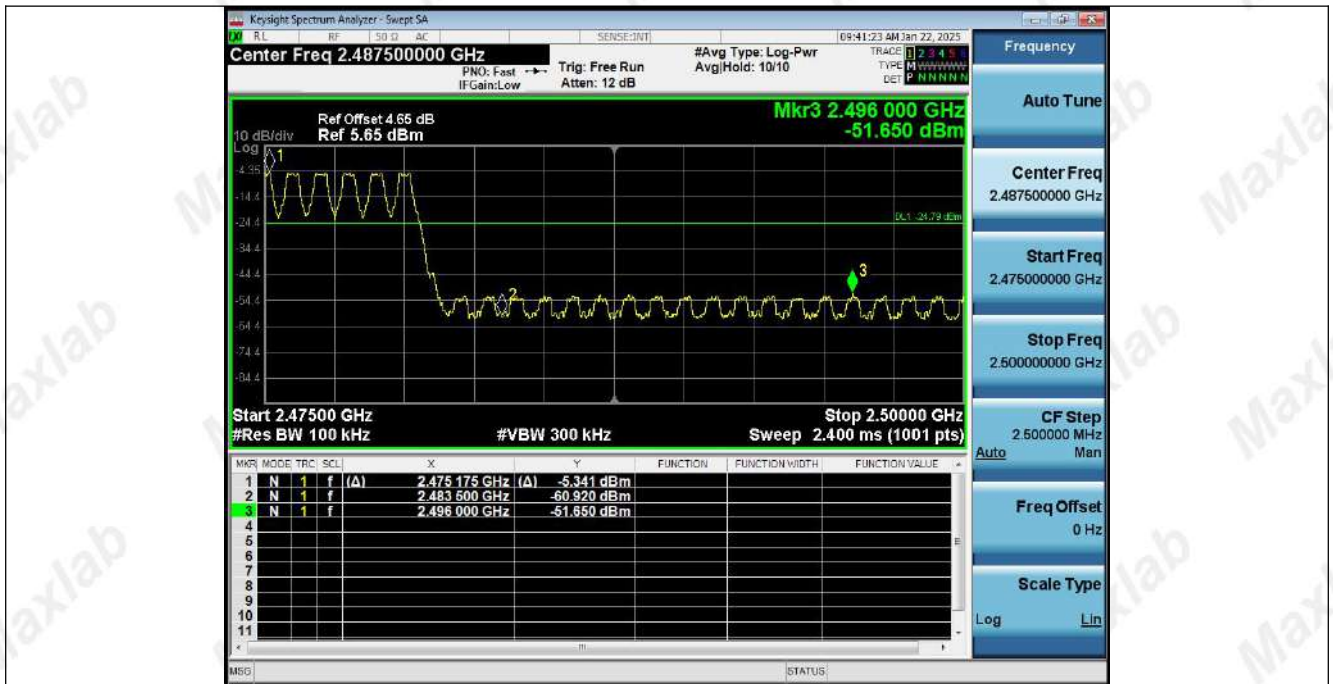




1 Reference_Level_Hopping_NVNT_ANT1_1-DH1_Hopping



2 Band_Edge_(Hopping)_NVNT_ANT1_1-DH1_Hopping



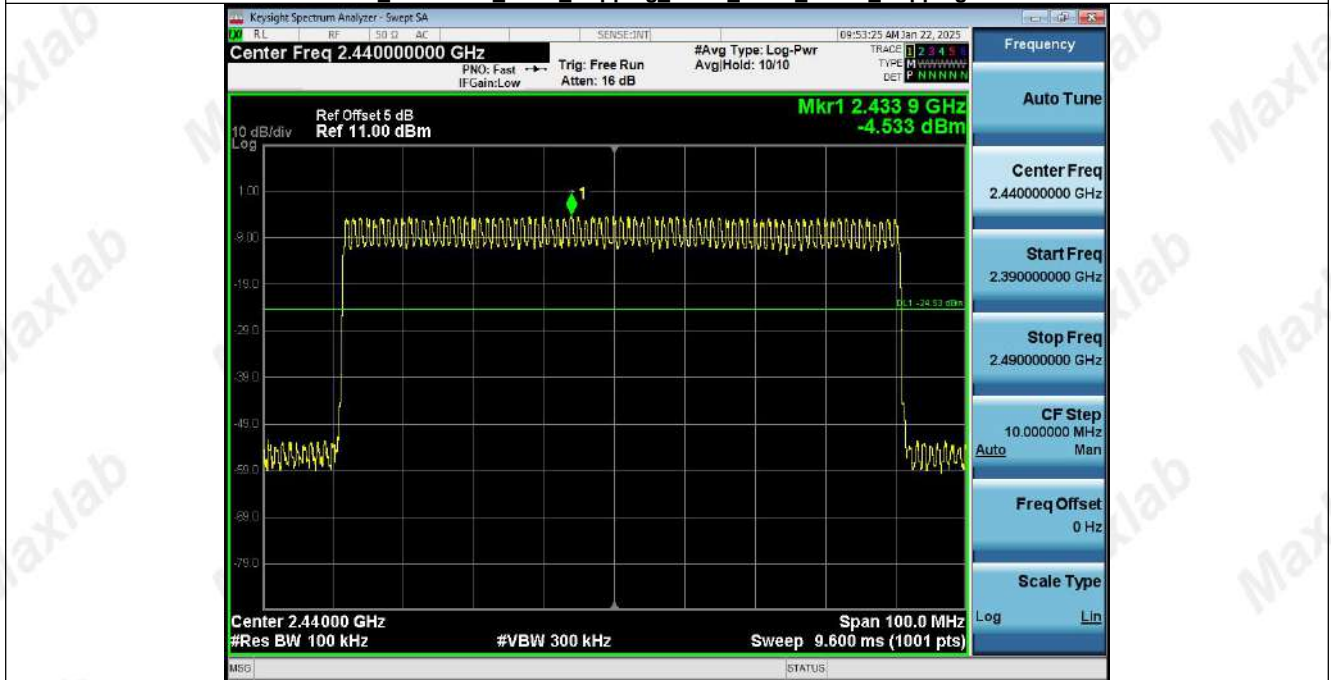
1 Reference Level NVNT_ANT1_2-DH1_2402_00



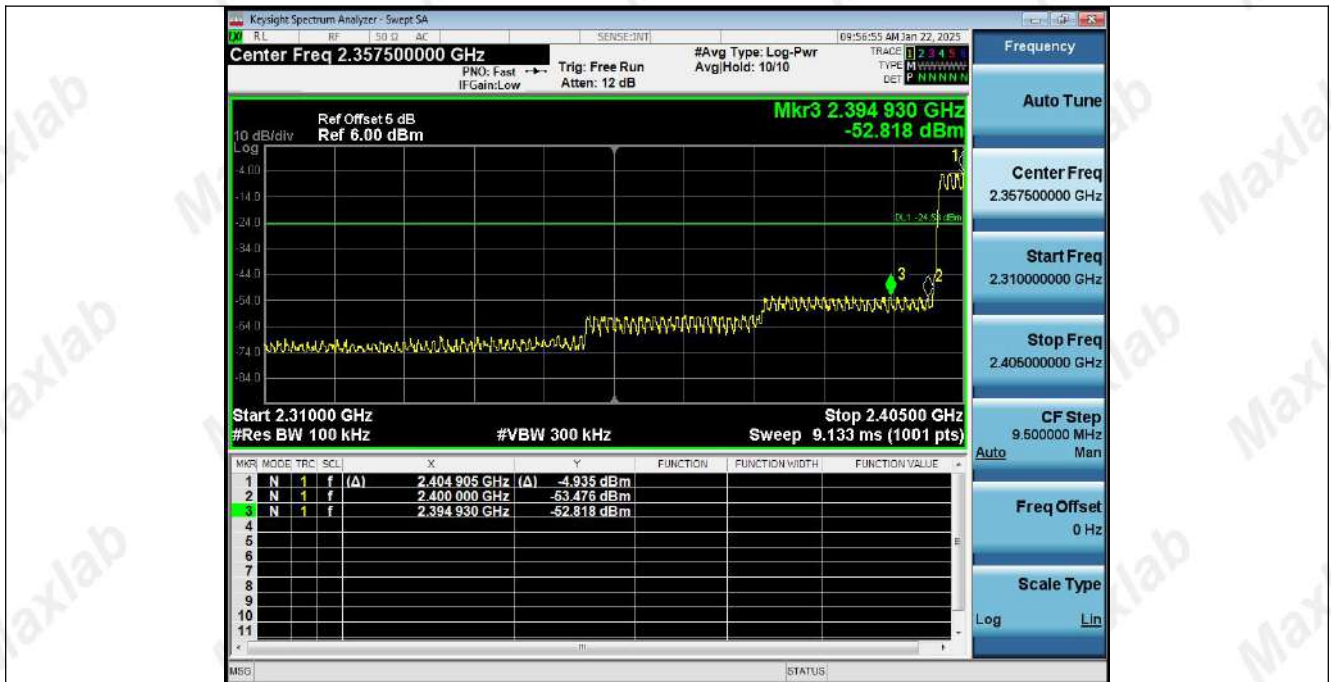
2 Bandedge_NVNT_ANT1_2-DH1_2402_00



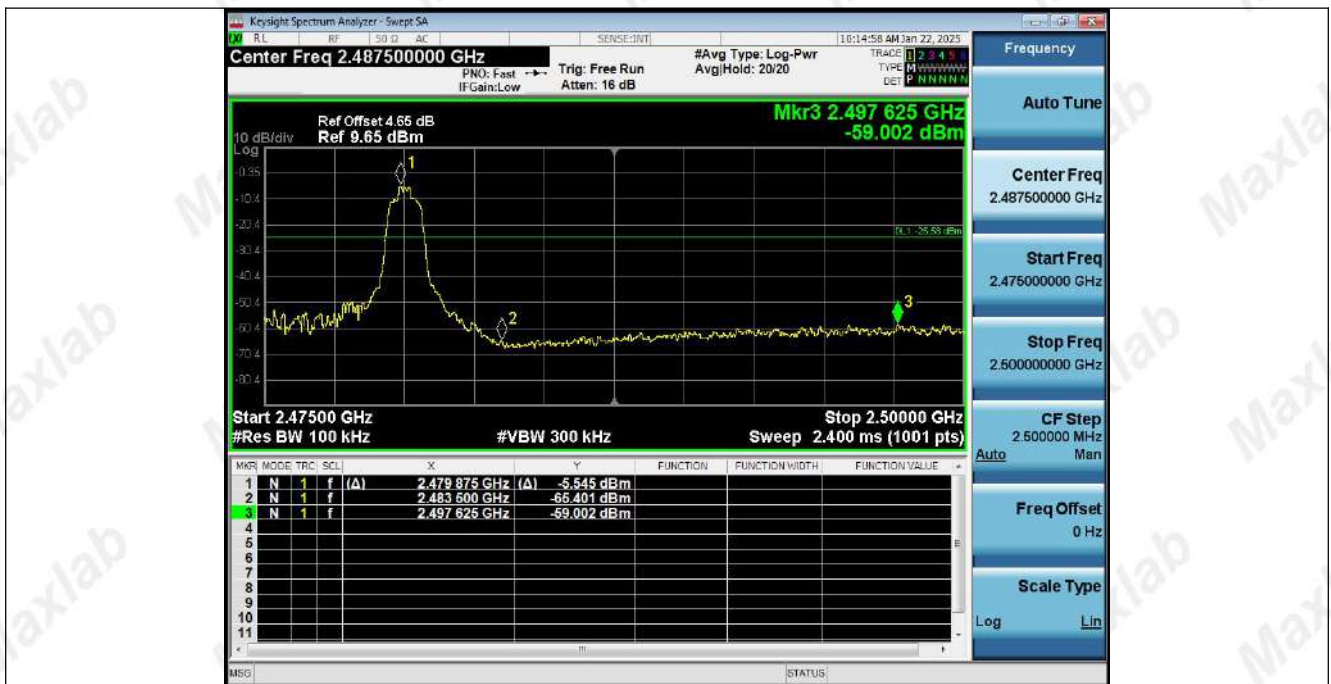
1 Reference_Level_Hopping_NVNT_ANT1_2-DH1_Hopping



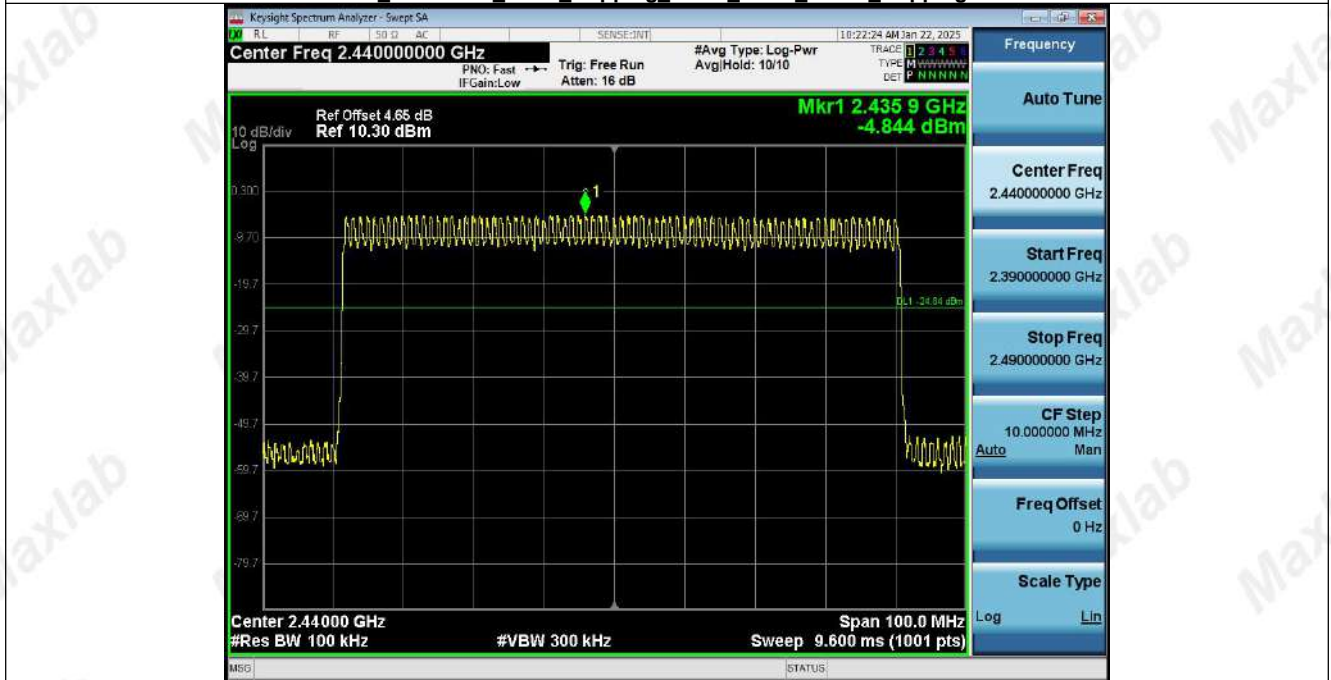
2_Band_Edge_(Hopping)_NVNT_ANT1_2-DH1_Hopping



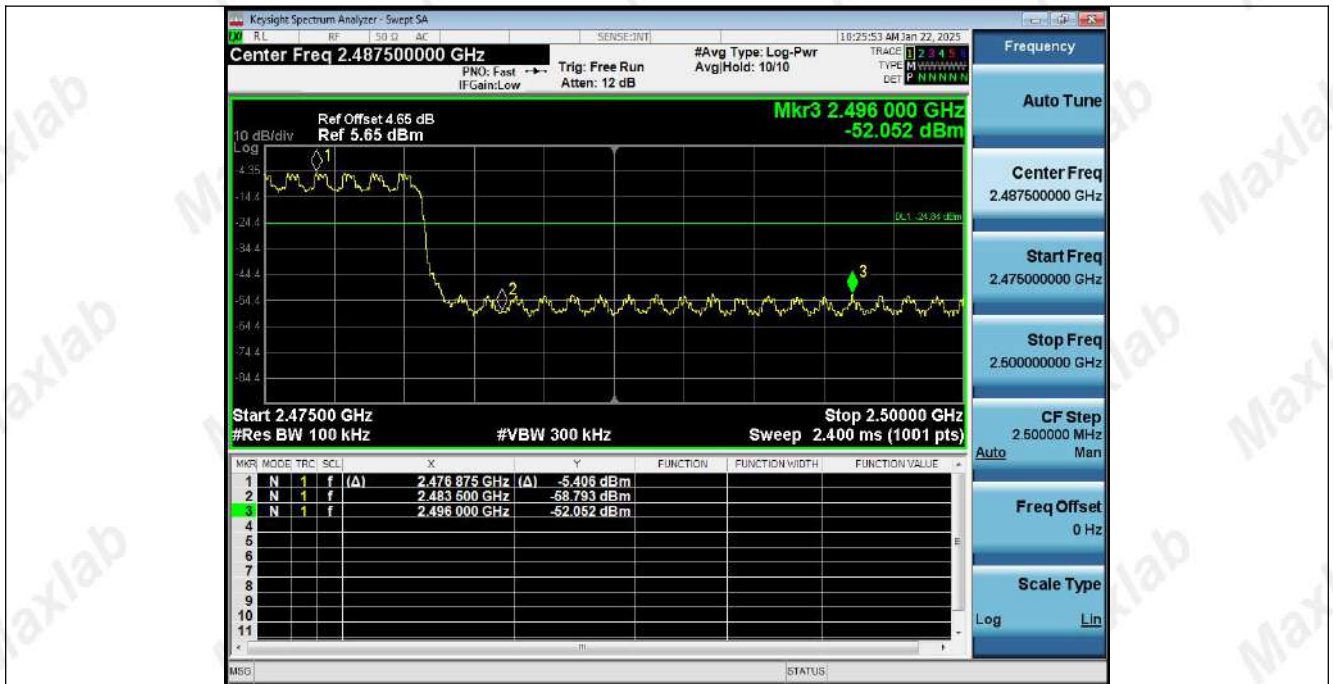
2 Bandedge NVNT_ANT1_2-DH1_2480_00



1 Reference_Level_Hopping_NVNT_ANT1_2-DH1_Hopping



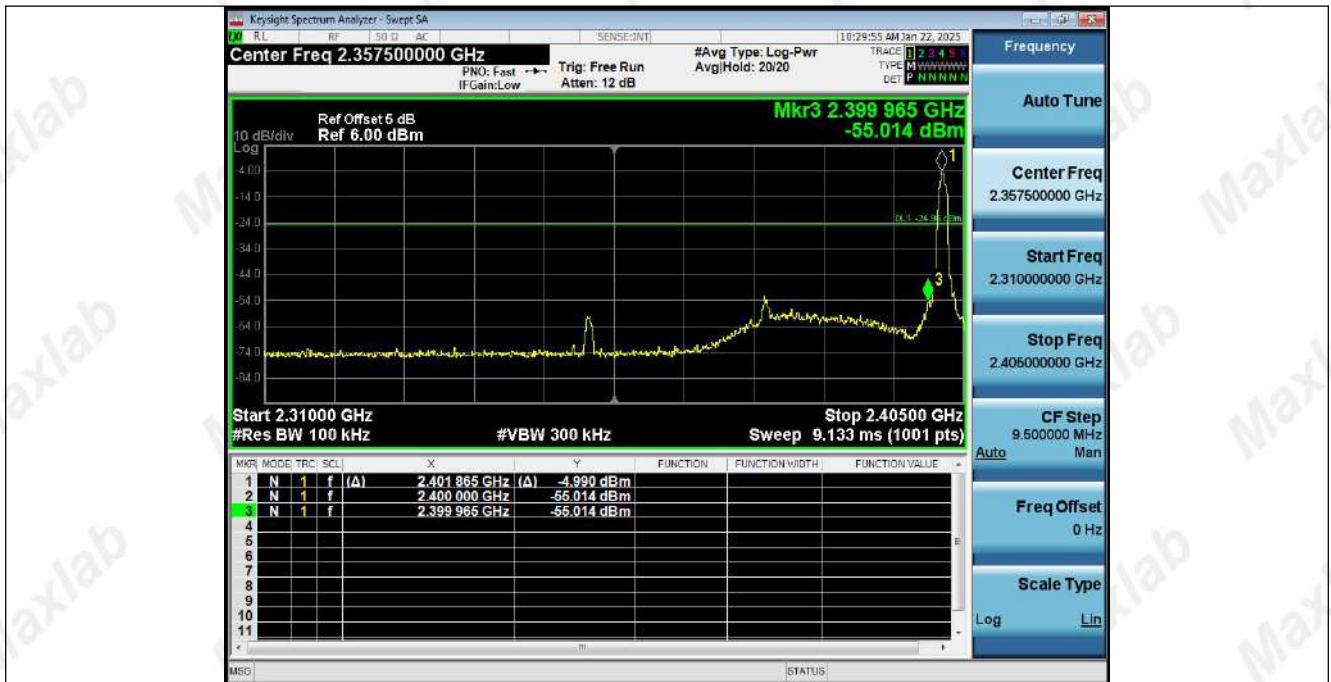
2_Band_Edge_(Hopping)_NVNT_ANT1_2-DH1_Hopping



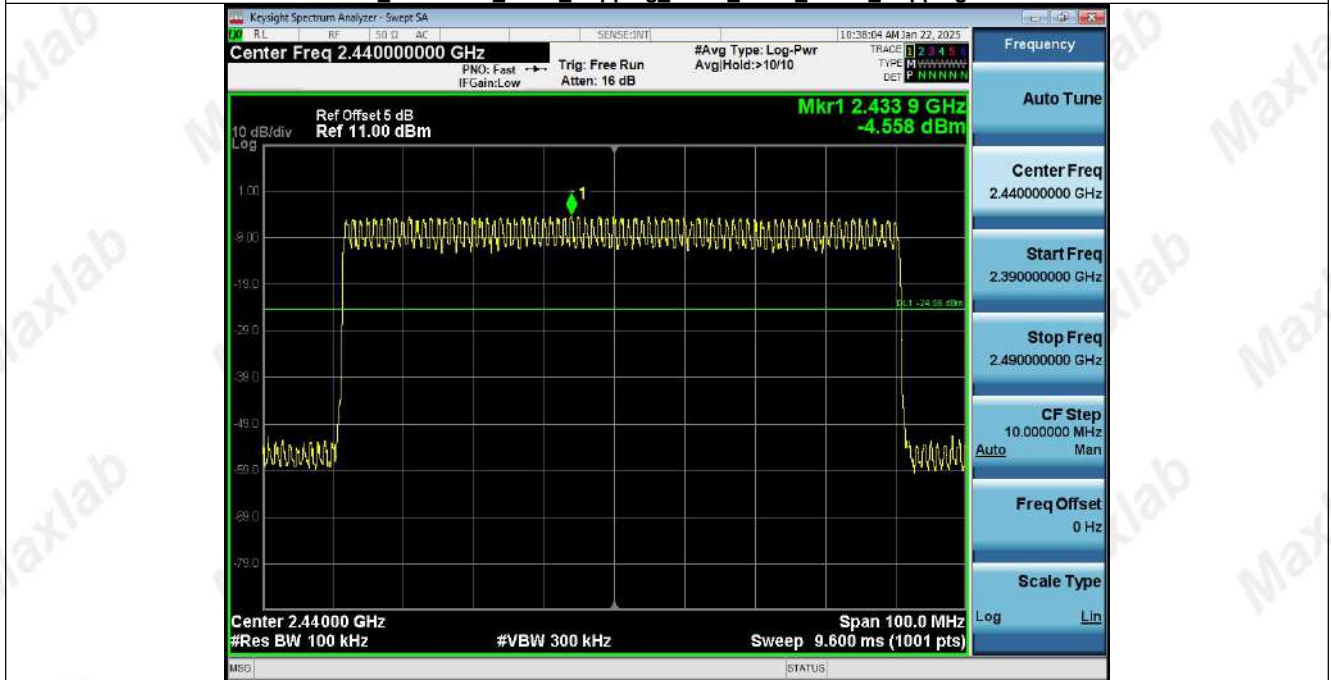
1 Reference Level NVNT_ANT1_3-DH1_2402_00



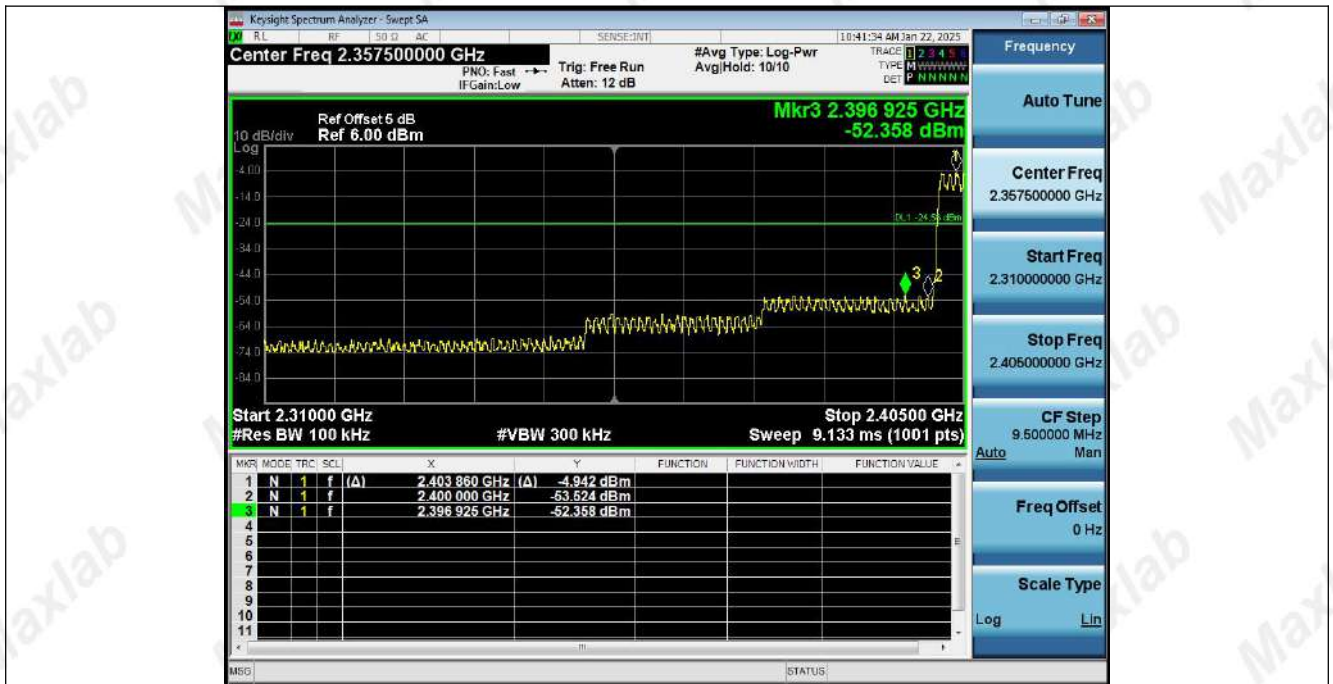
2 Bandedge NVNT_ANT1_3-DH1_2402_00



1 Reference_Level_Hopping_NVNT_ANT1_3-DH1_Hopping



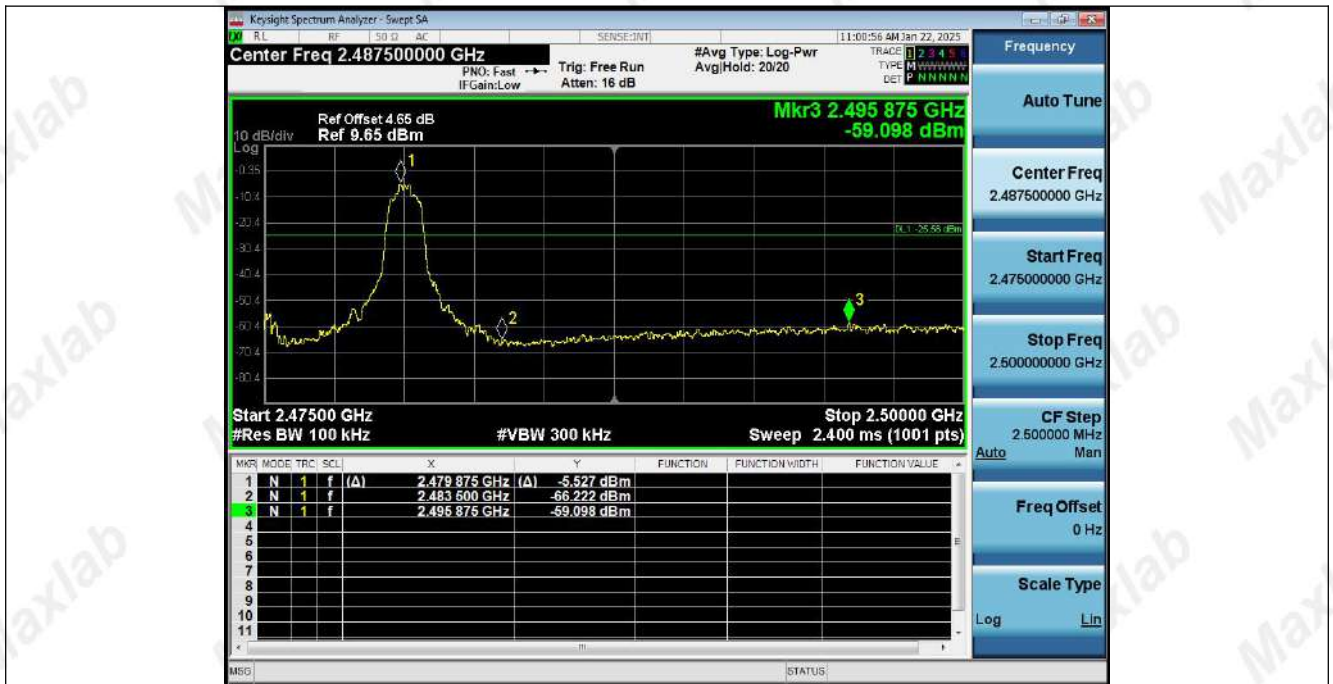
2 Band_Edge_(Hopping)_NVNT_ANT1_3-DH1_Hopping



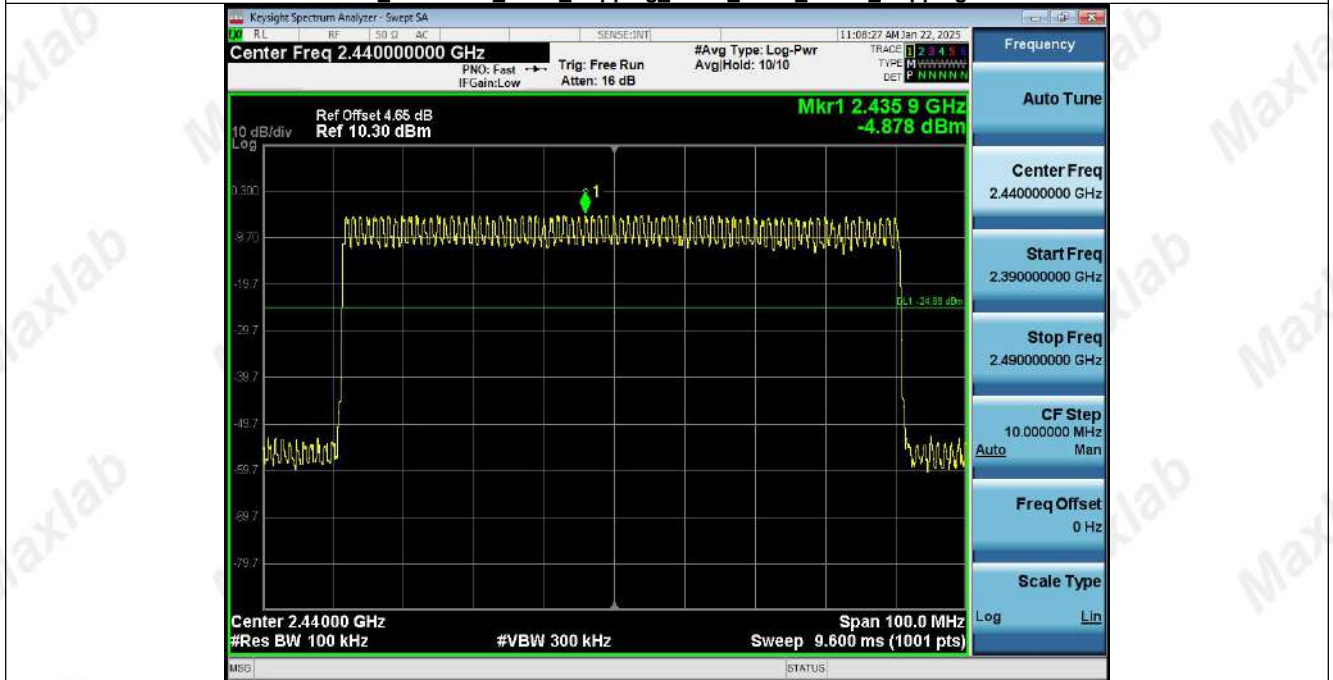
1 Reference Level NVNT_ANT1_3-DH1_2480_00



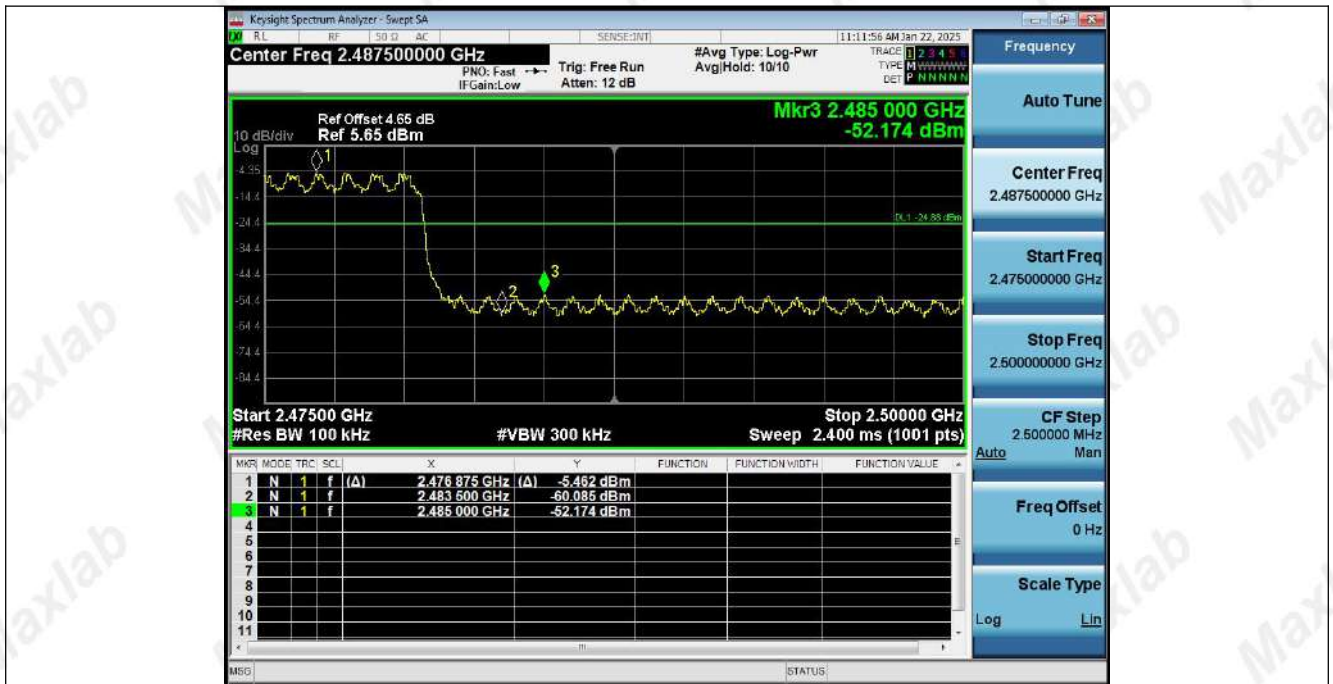
2 Bandedge NVNT_ANT1_3-DH1_2480_00



1 Reference_Level_Hopping_NVNT_ANT1_3-DH1_Hopping



2_Band_Edge_(Hopping)_NVNT_ANT1_3-DH1_Hopping



7. Carrier Frequencies Separation (Hopping)

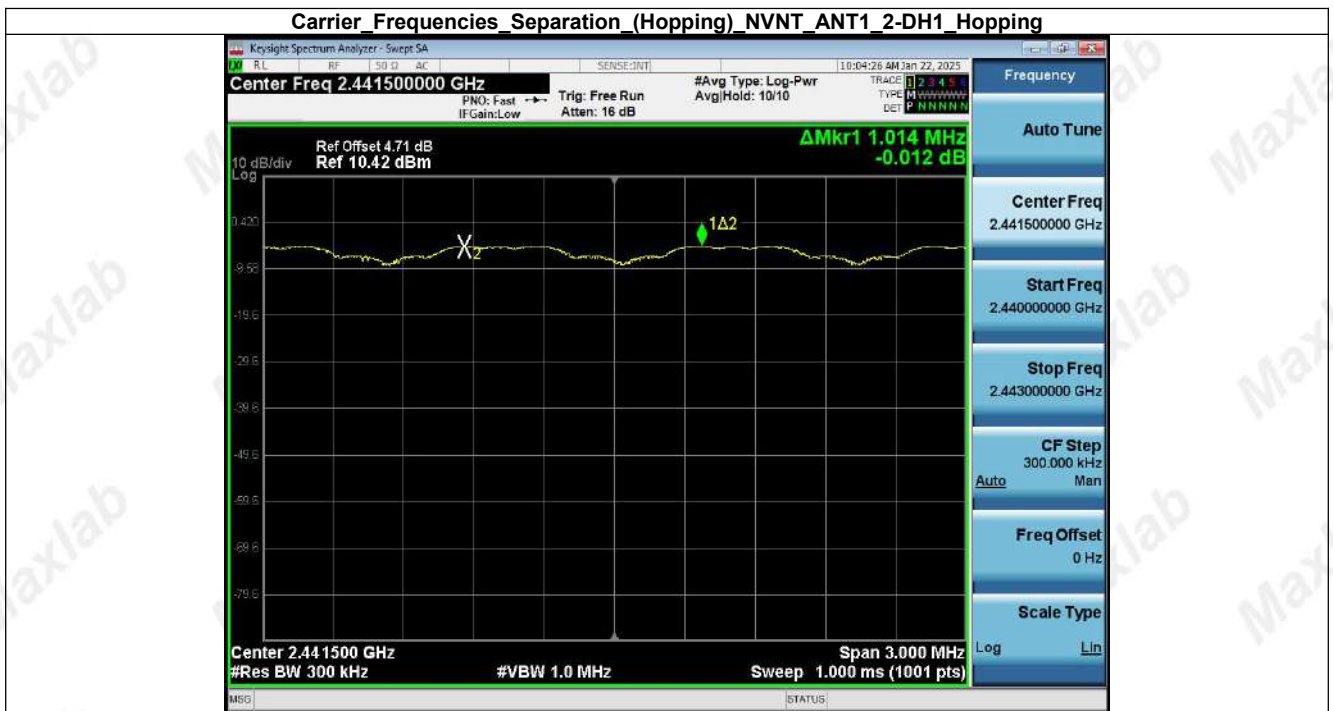
Condition	Antenna	Modulation	Frequency(MHz)	Hopping NO.0 (MHz)	Hopping NO.1 (MHz)	Carrier Frequencies Separation(MHz)	Limit(MHz)	Result
NVNT	ANT1	1-DH1	2402.00	2402.179	2403.178	1.00	0.874	Pass
NVNT	ANT1	1-DH1	2441.00	2440.861	2441.881	1.02	0.874	Pass
NVNT	ANT1	1-DH1	2480.00	2478.858	2479.860	1.00	0.876	Pass
NVNT	ANT1	2-DH1	2402.00	2401.861	2403.169	1.31	0.850	Pass
NVNT	ANT1	2-DH1	2441.00	2440.858	2441.872	1.01	0.852	Pass
NVNT	ANT1	2-DH1	2480.00	2478.861	2479.860	1.00	0.849	Pass
NVNT	ANT1	3-DH1	2402.00	2401.864	2402.863	1.00	0.817	Pass
NVNT	ANT1	3-DH1	2441.00	2440.855	2441.869	1.01	0.833	Pass
NVNT	ANT1	3-DH1	2480.00	2478.864	2479.869	1.00	0.829	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

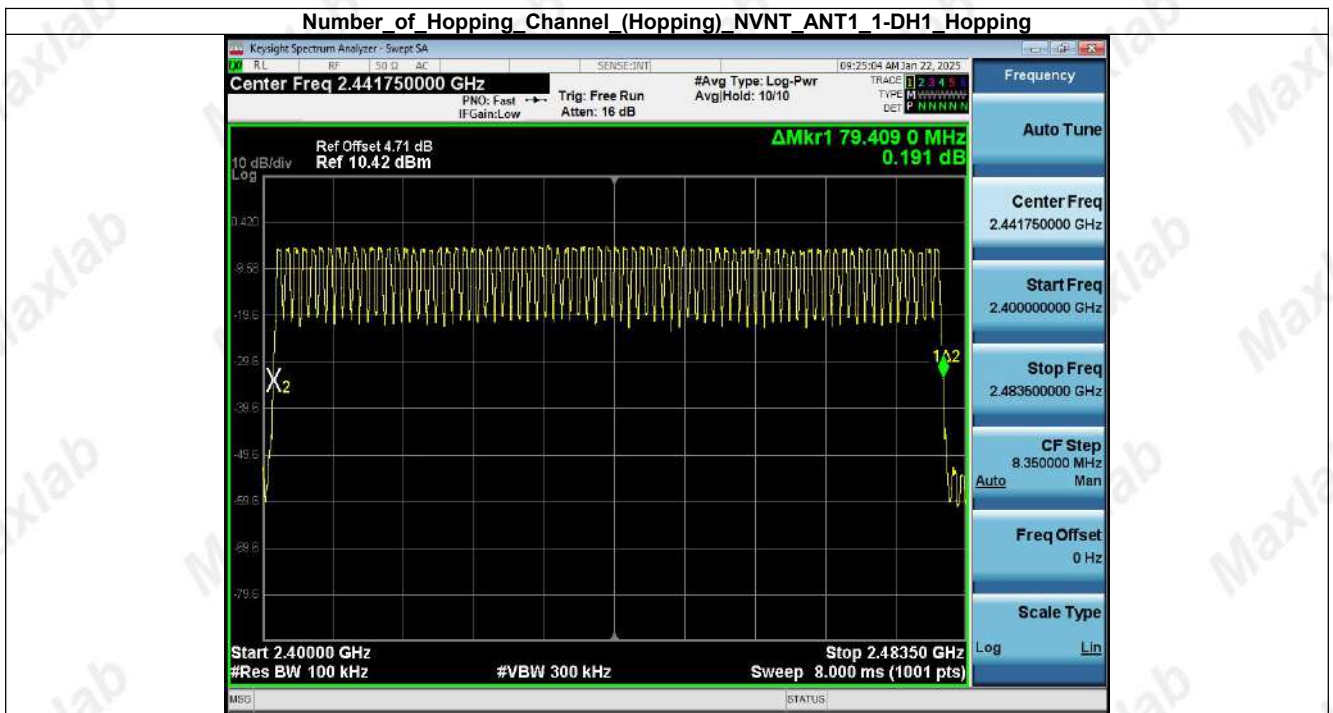


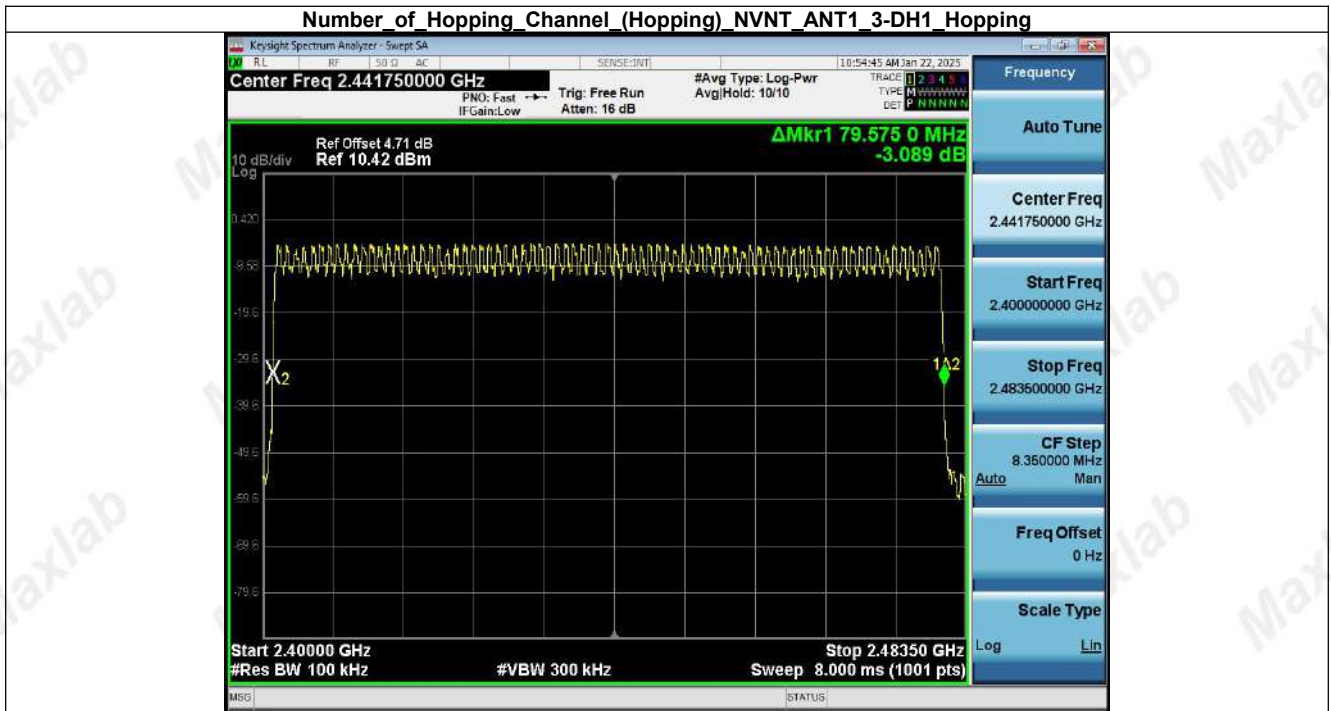
Carrier_Frequencies_Separation_(Hopping)_NVNT_ANT1_3-DH1_Hopping



8. Number of Hopping Channel (Hopping)

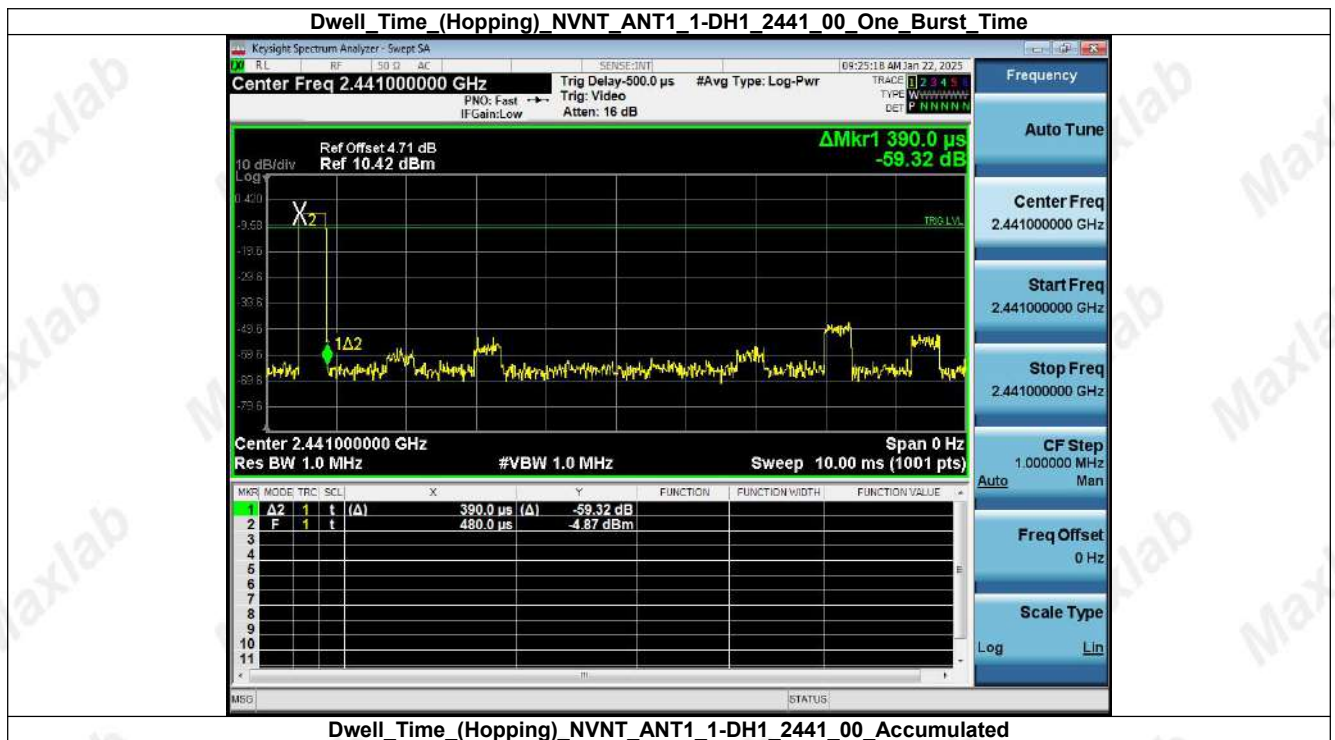
Condition	Antenna	Modulation	Hopping Num	Limit	Result
NVNT	ANT1	1-DH1	79	15	Pass
NVNT	ANT1	2-DH1	79	15	Pass
NVNT	ANT1	3-DH1	79	15	Pass

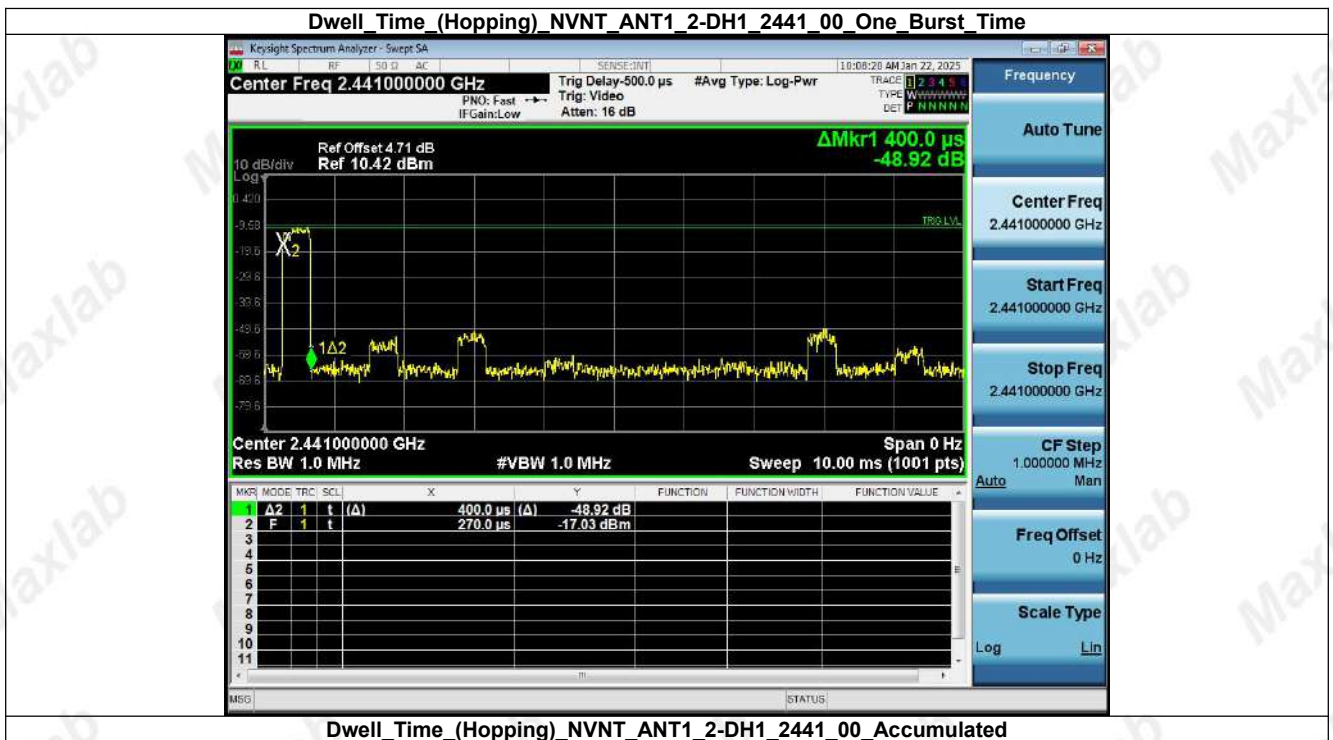
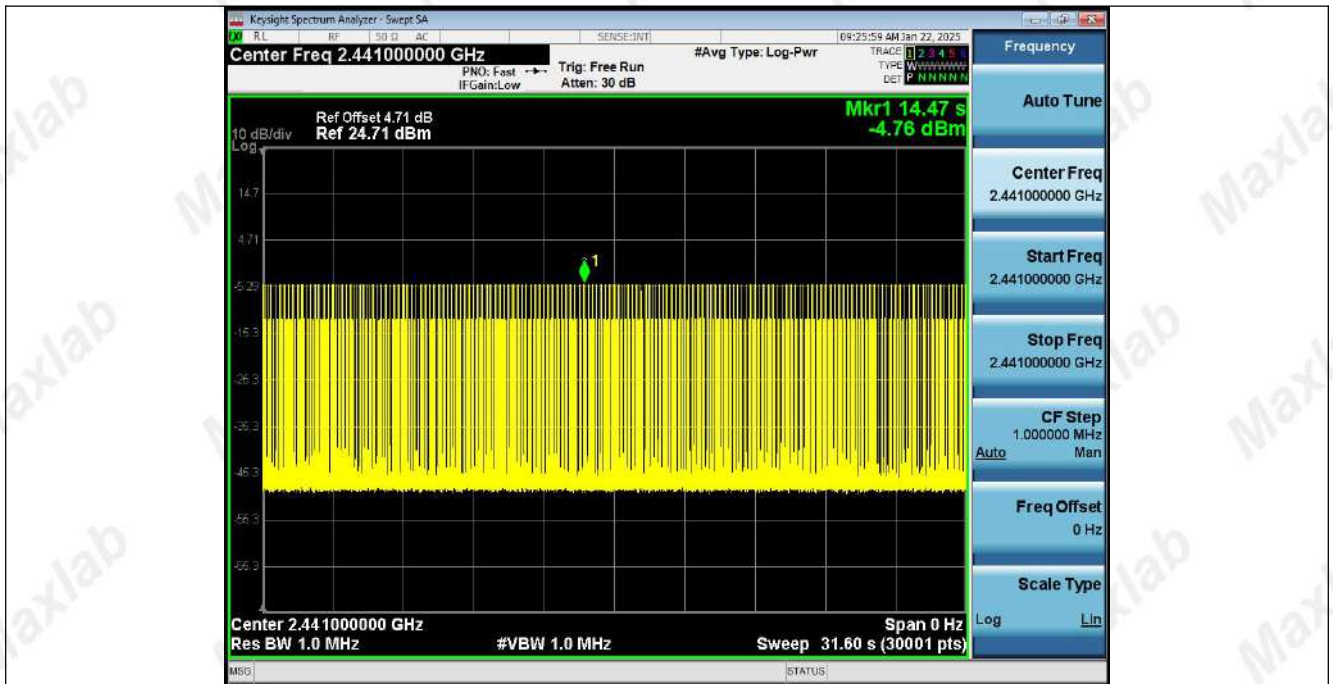


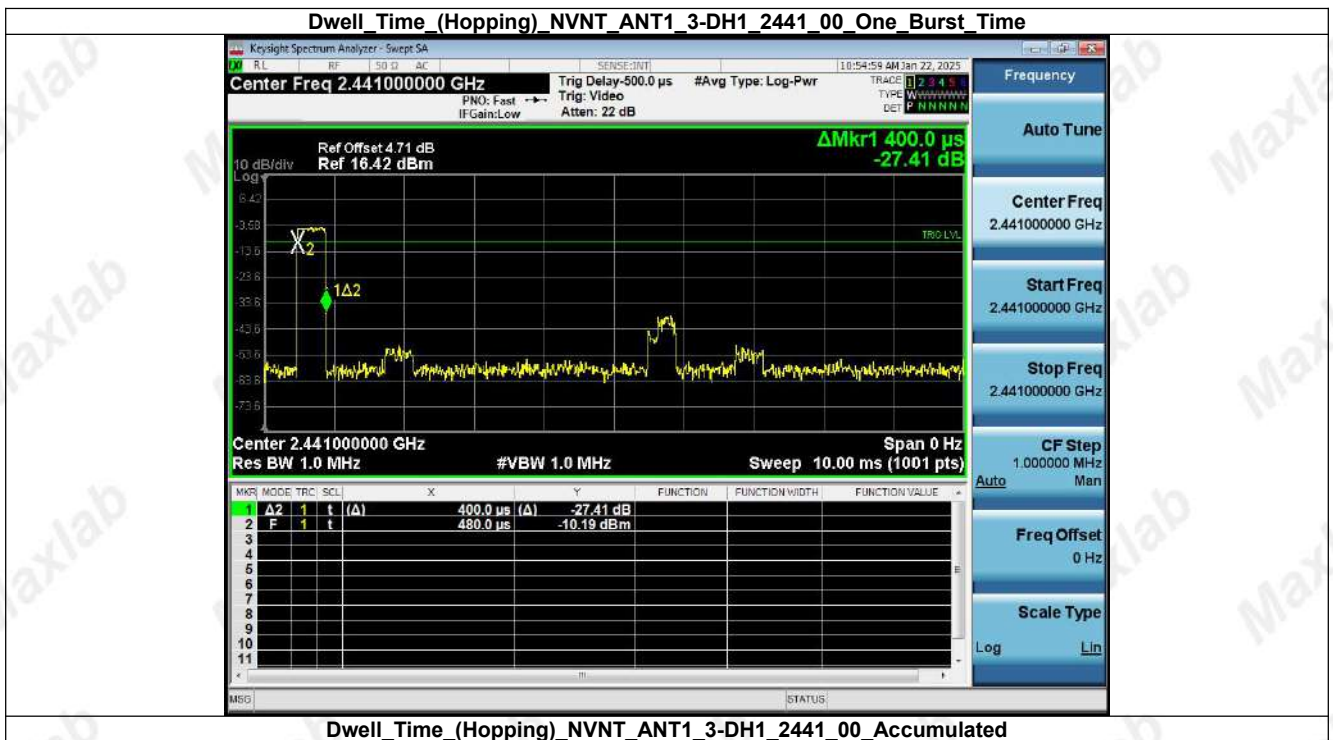
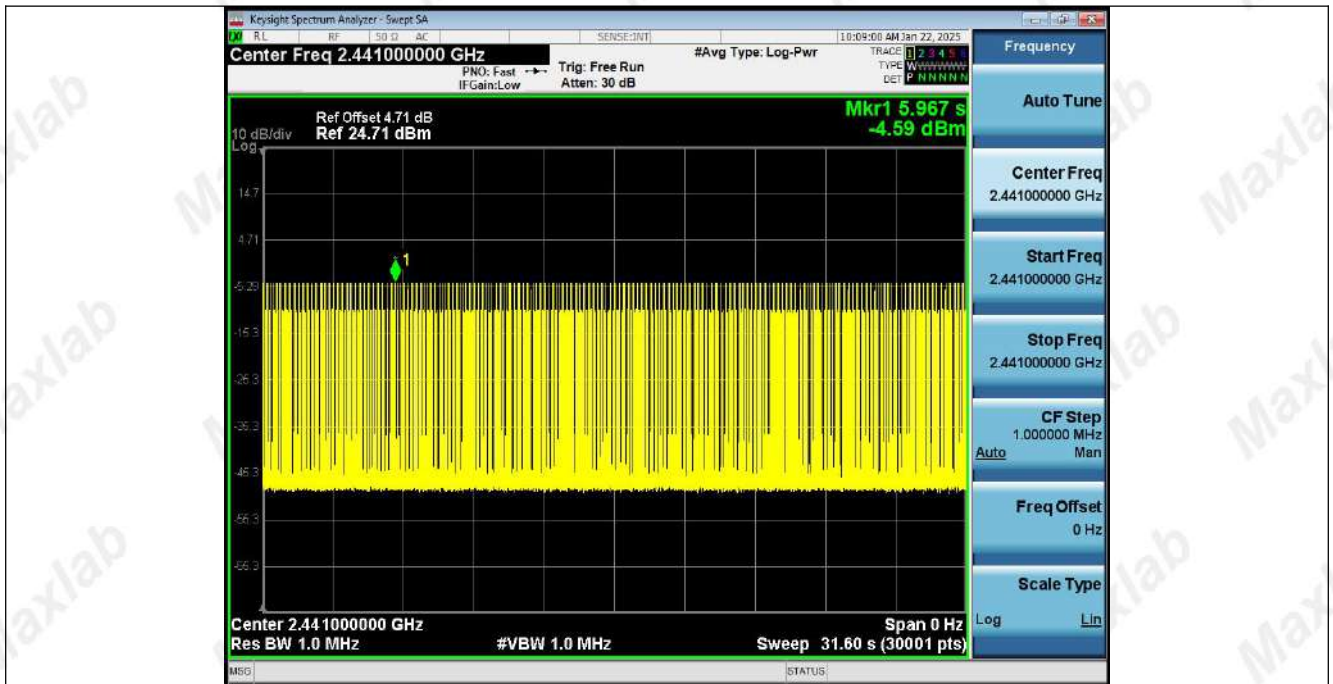


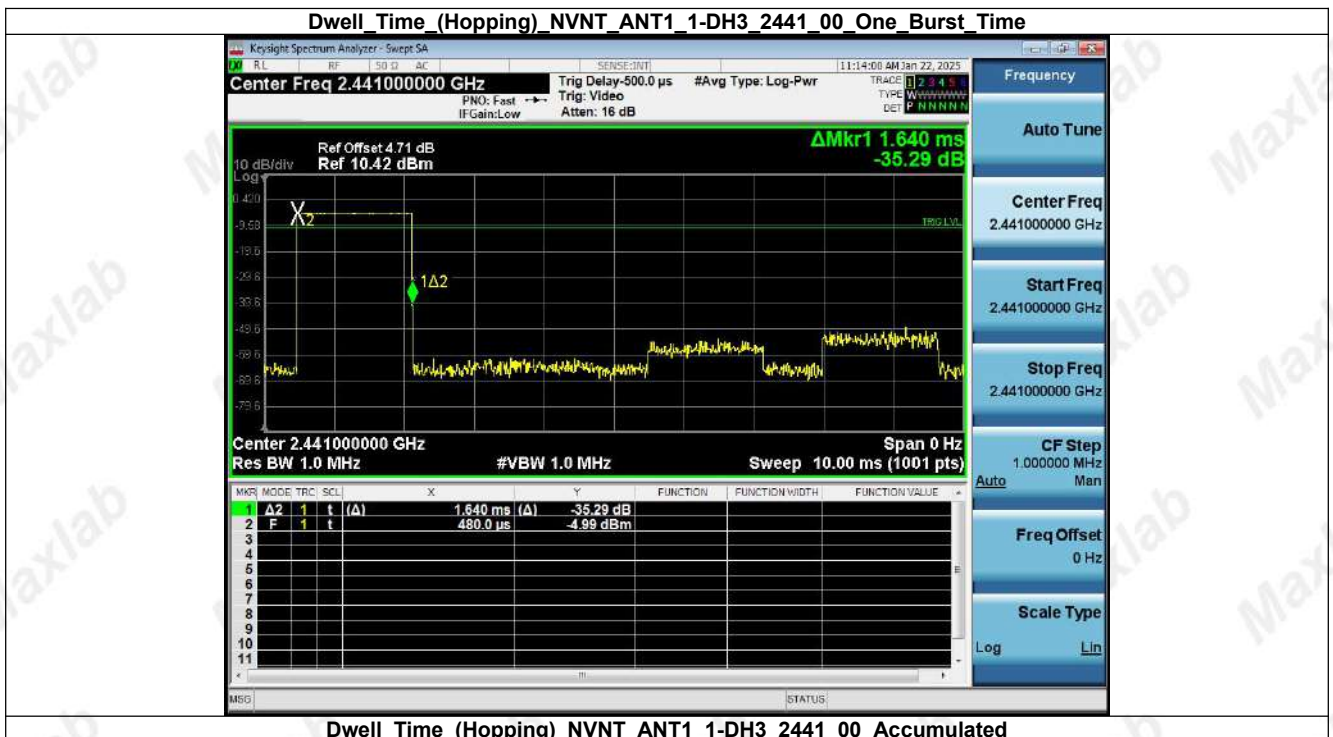
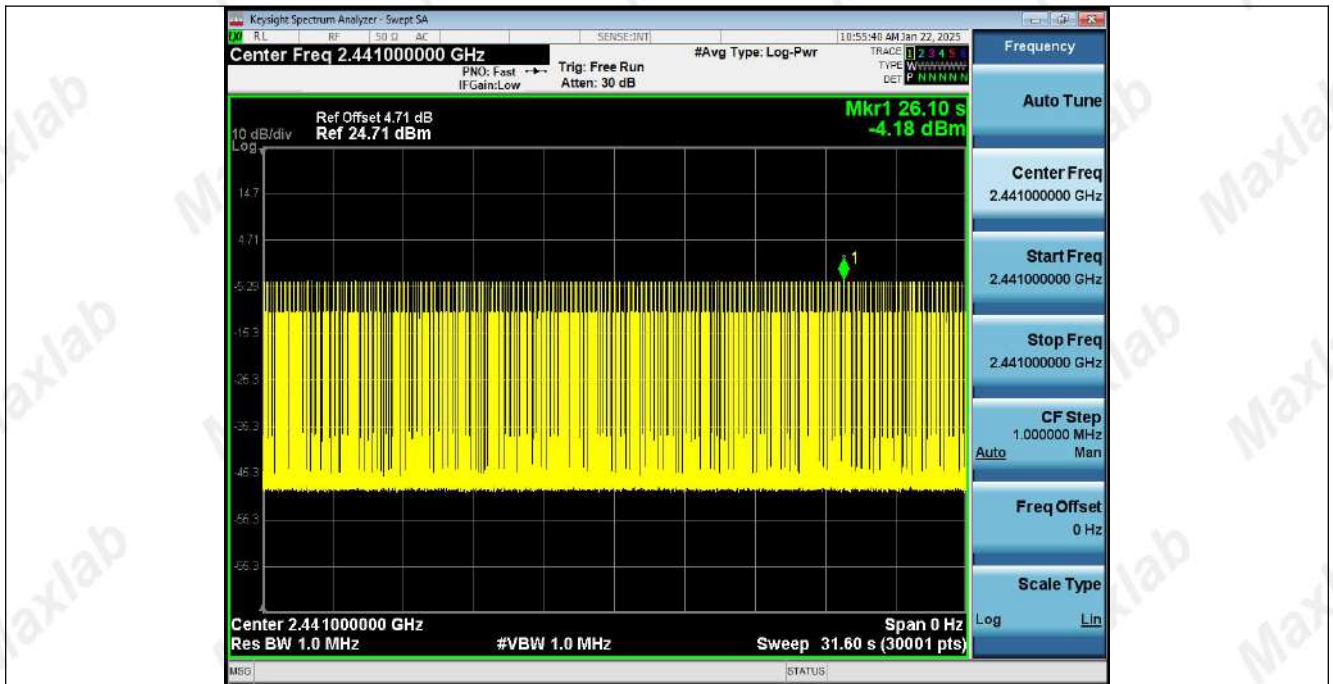
9. Dwell Time (Hopping)

Condition	Antenna	Packet Type	Pulse Time(ms)	Hops	Dwell Time(ms)	Limit(s)	Result
NVNT	ANT1	1-DH1	0.390	318.00	124.020	0.40	Pass
NVNT	ANT1	2-DH1	0.400	320.00	128.000	0.40	Pass
NVNT	ANT1	3-DH1	0.400	319.00	127.600	0.40	Pass
NVNT	ANT1	1-DH3	1.640	156.00	255.840	0.40	Pass
NVNT	ANT1	1-DH5	2.890	125.00	361.250	0.40	Pass
NVNT	ANT1	2-DH3	1.650	158.00	260.700	0.40	Pass
NVNT	ANT1	2-DH5	2.900	109.00	316.100	0.40	Pass
NVNT	ANT1	3-DH3	1.650	149.00	245.850	0.40	Pass
NVNT	ANT1	3-DH5	2.890	107.00	309.230	0.40	Pass

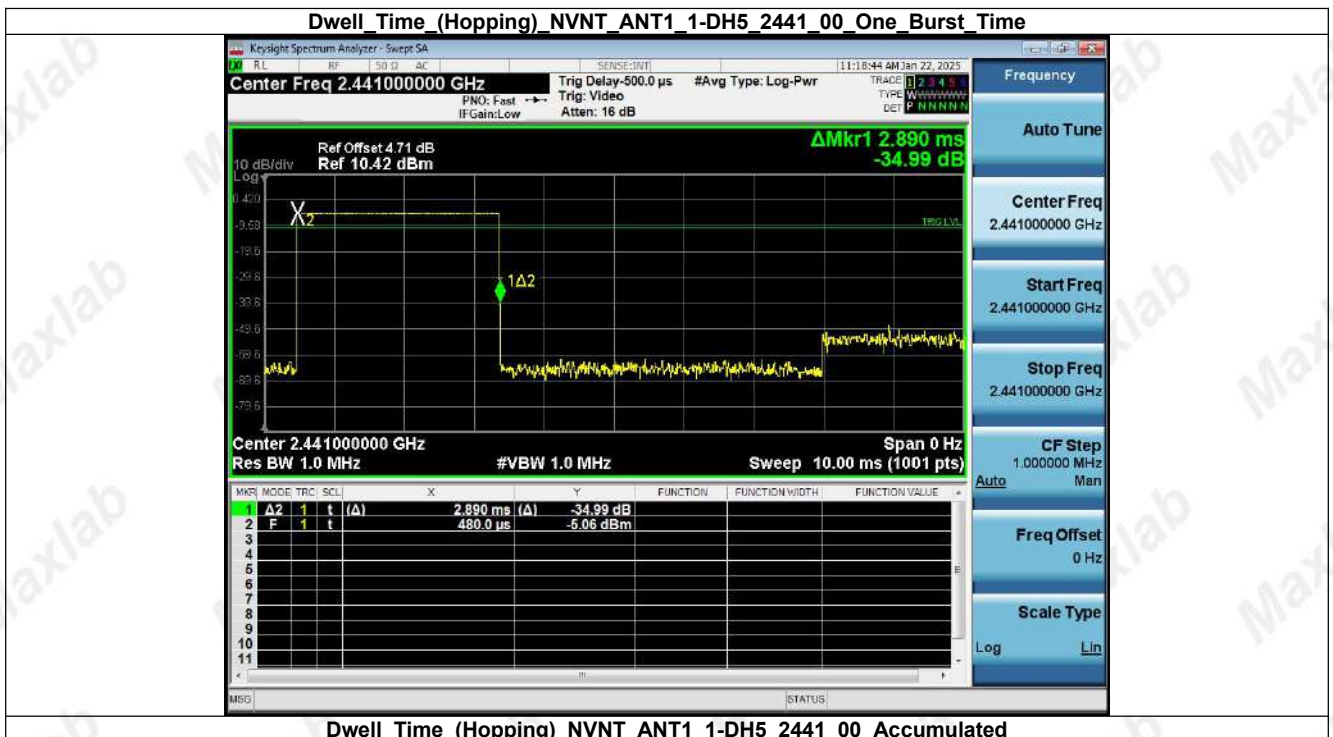
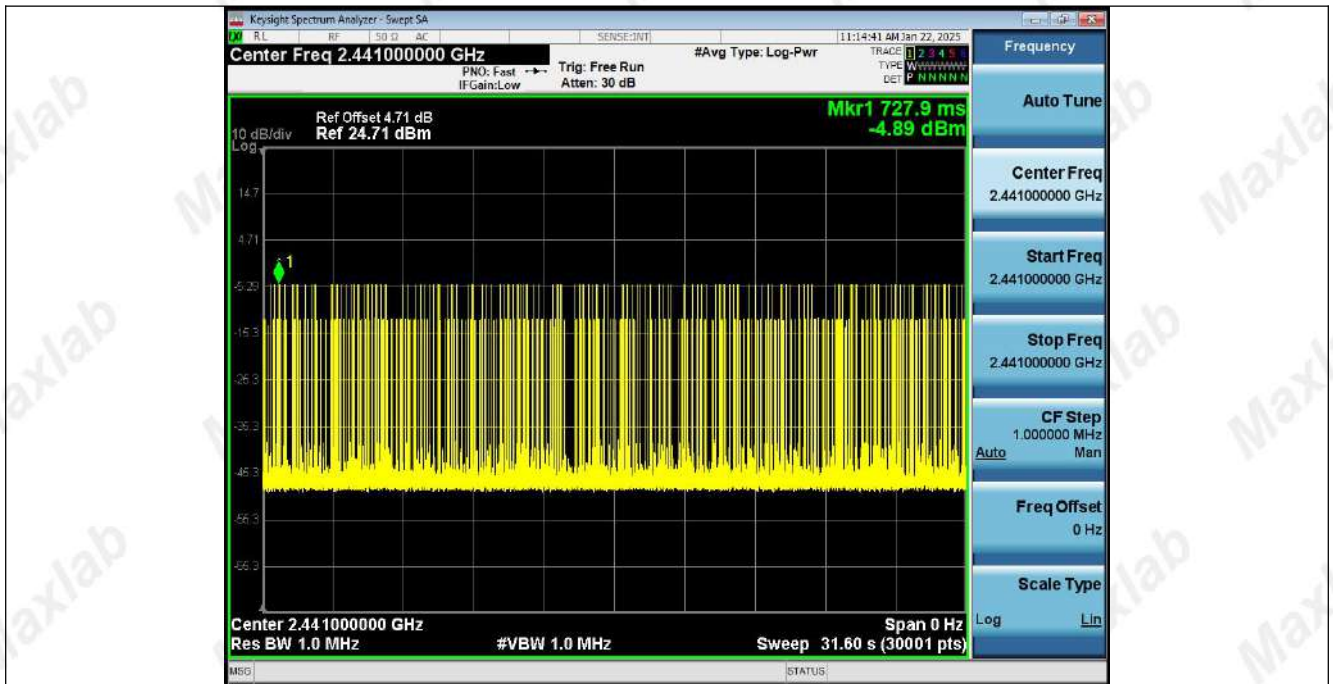








Dwell Time (Hopping) NVNT_ANT1_1-DH3_2441_00_Accumulated



Dwell Time (Hopping) NVNT_ANT1_1-DH5_2441_00_Accumulated

