

Table of Contents

1. Duty Cycle	2
2. -20dB Bandwidth	7
3. 99% Occupied Bandwidth	12
4. Peak Output Power	17
5. Spurious Emissions	22
6. Bandedge	32
7. Carrier Frequencies Separation (Hopping)	45
8. Number of Hopping Channel (Hopping)	50
9. Dwell Time (Hopping)	52

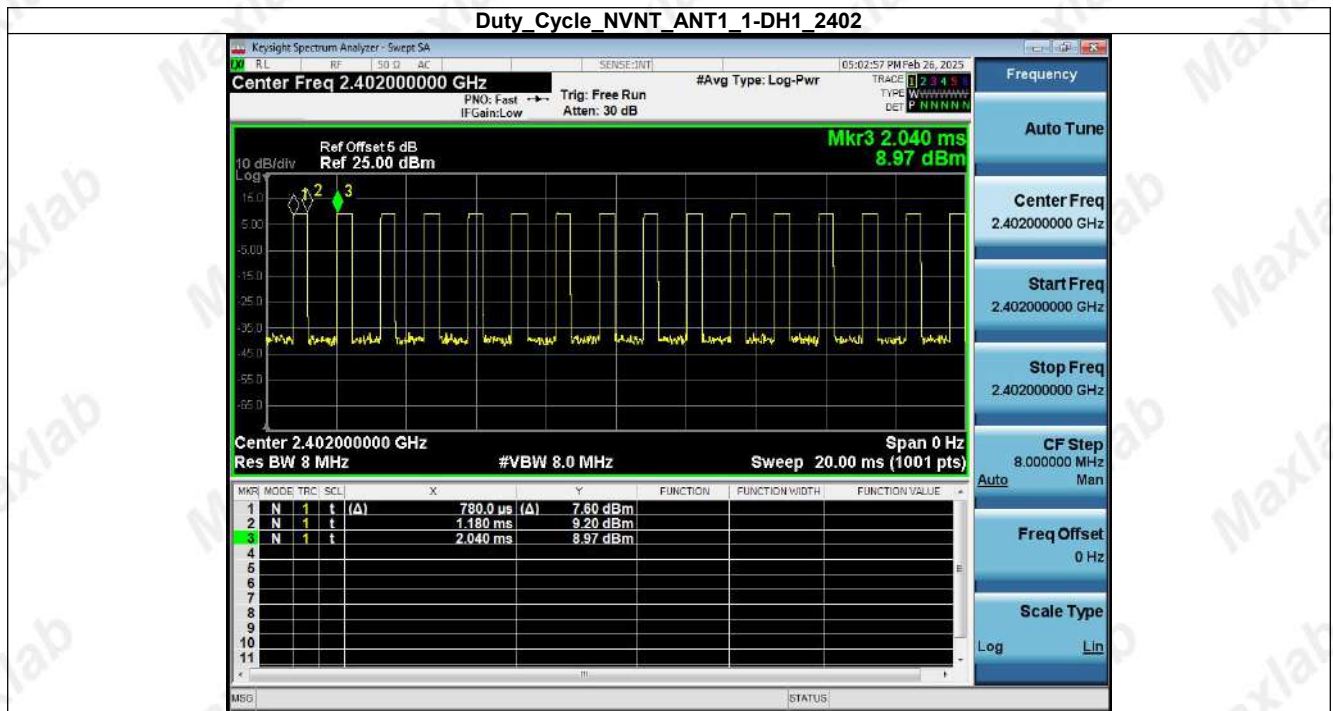
Report No.:MAX250221110P02-R01

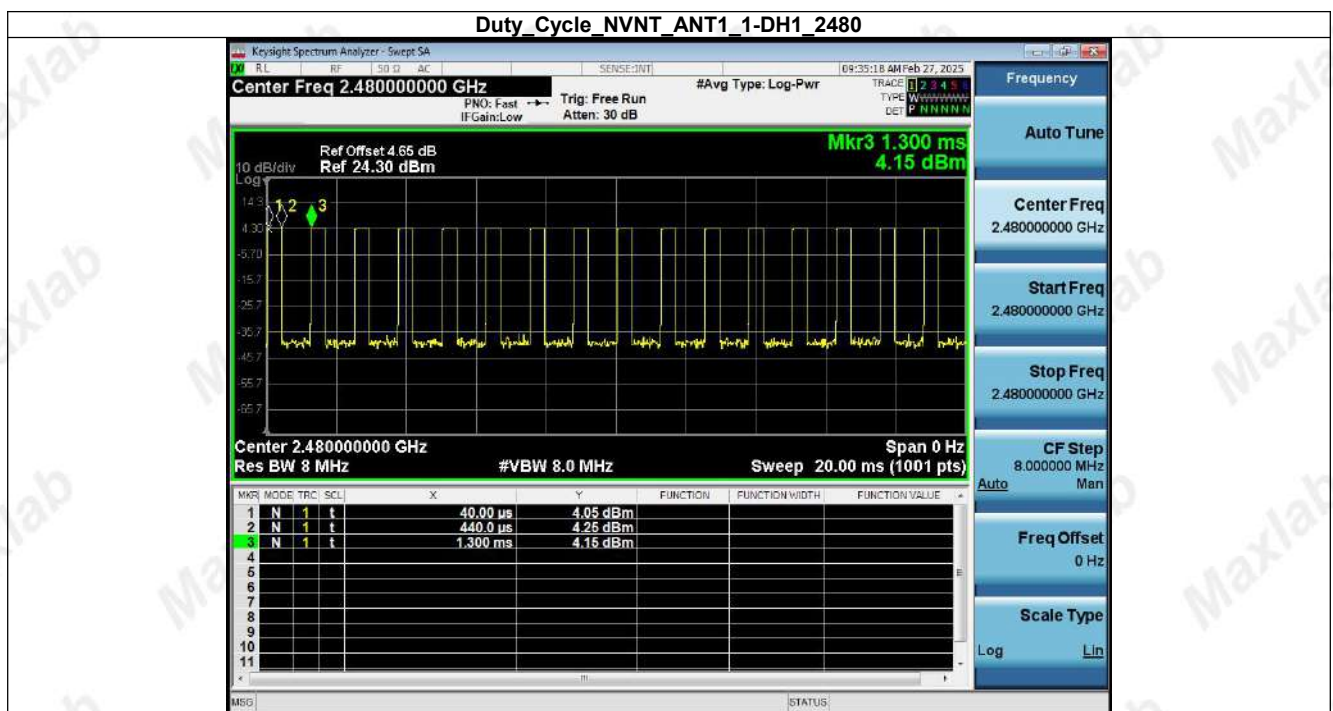
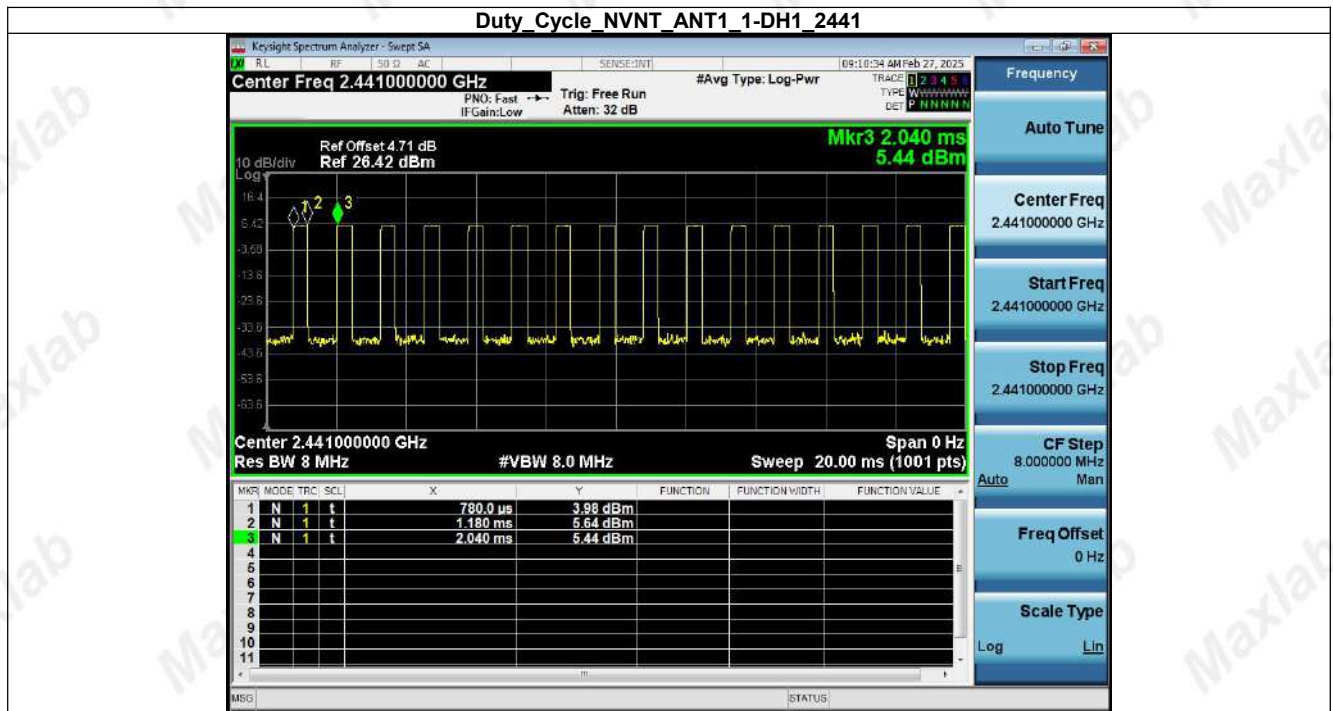
FCC ID:2BMXP-BTW78

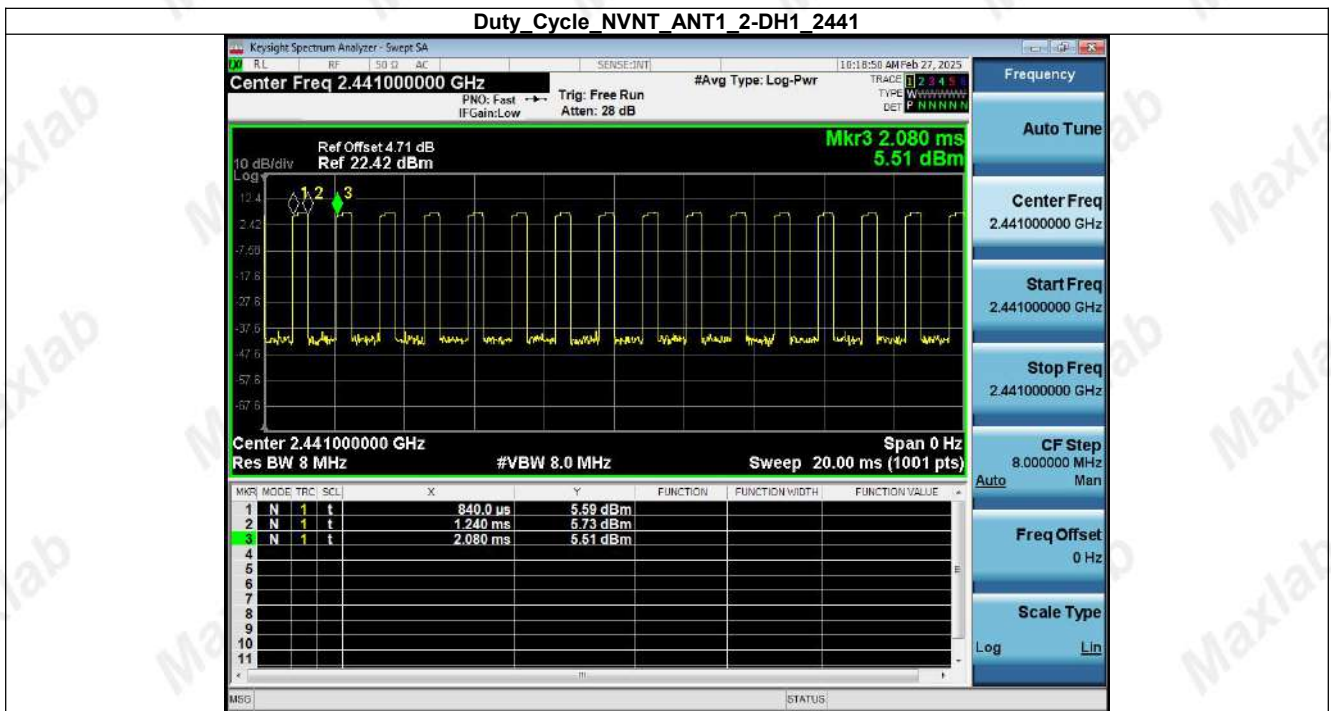
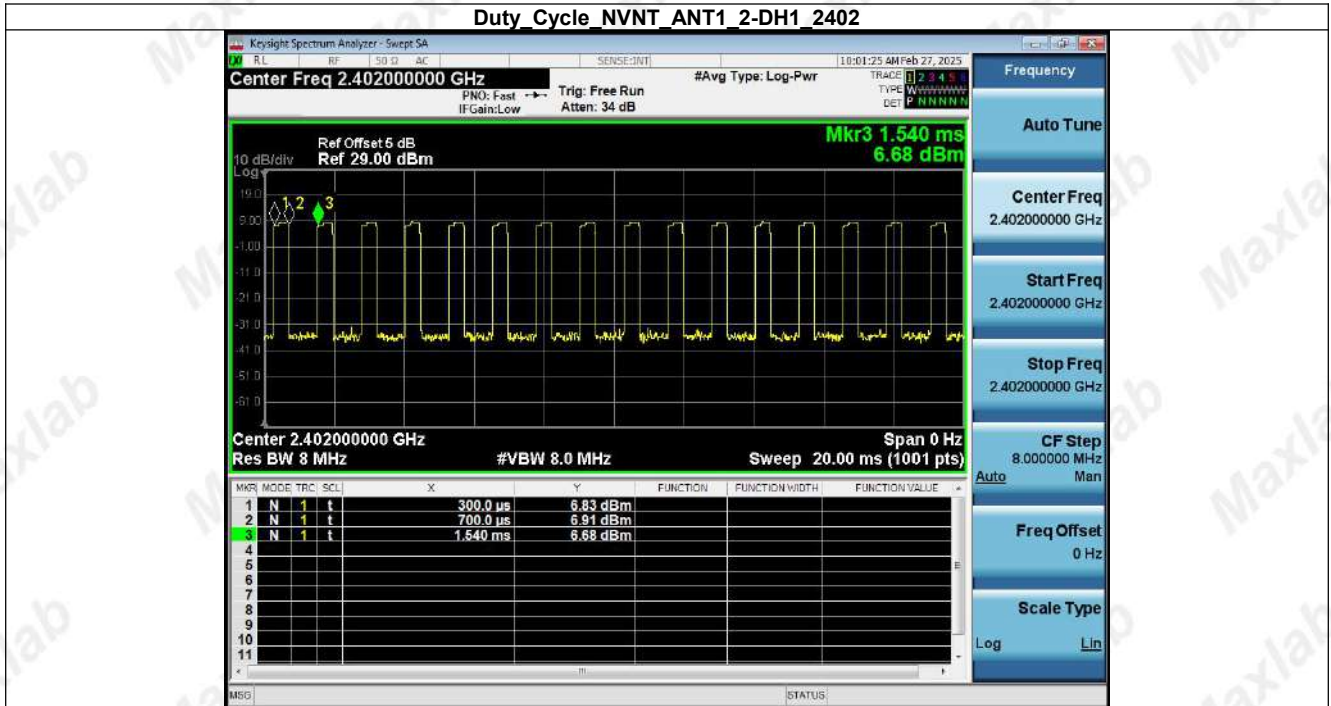
FCC_BT (Part15.247) Test Data

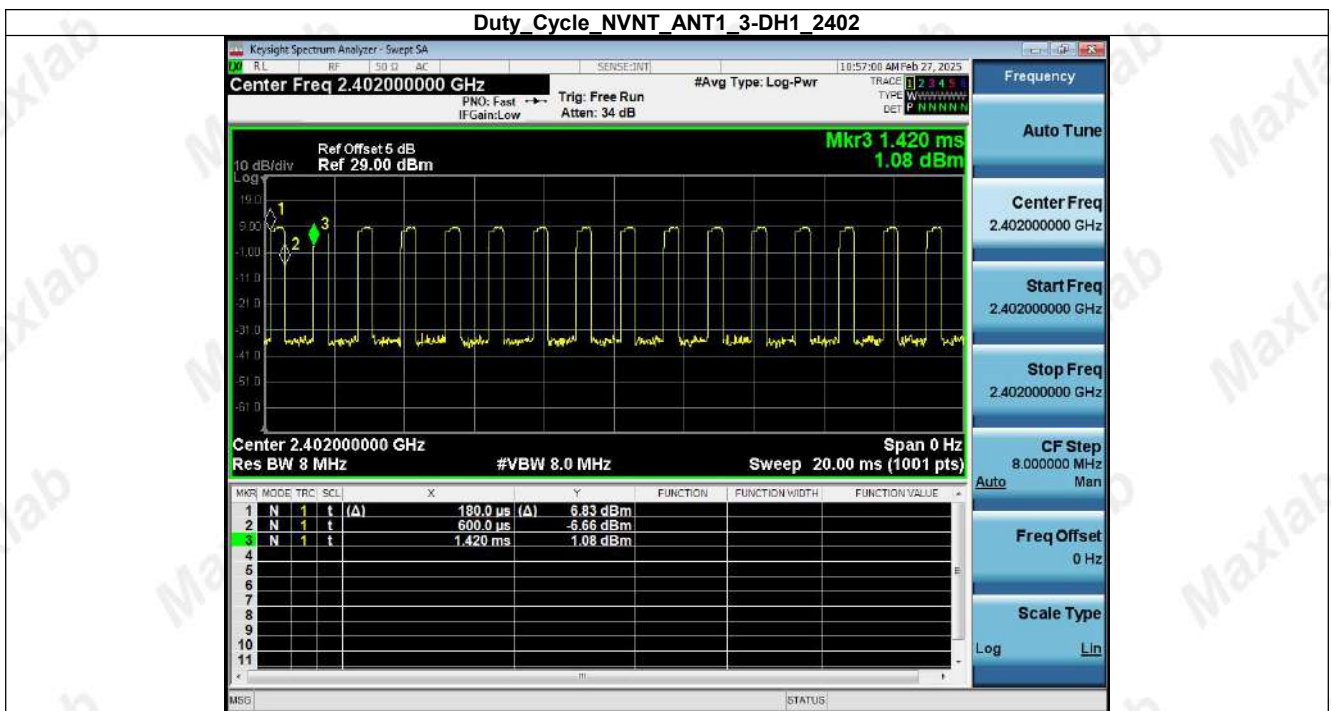
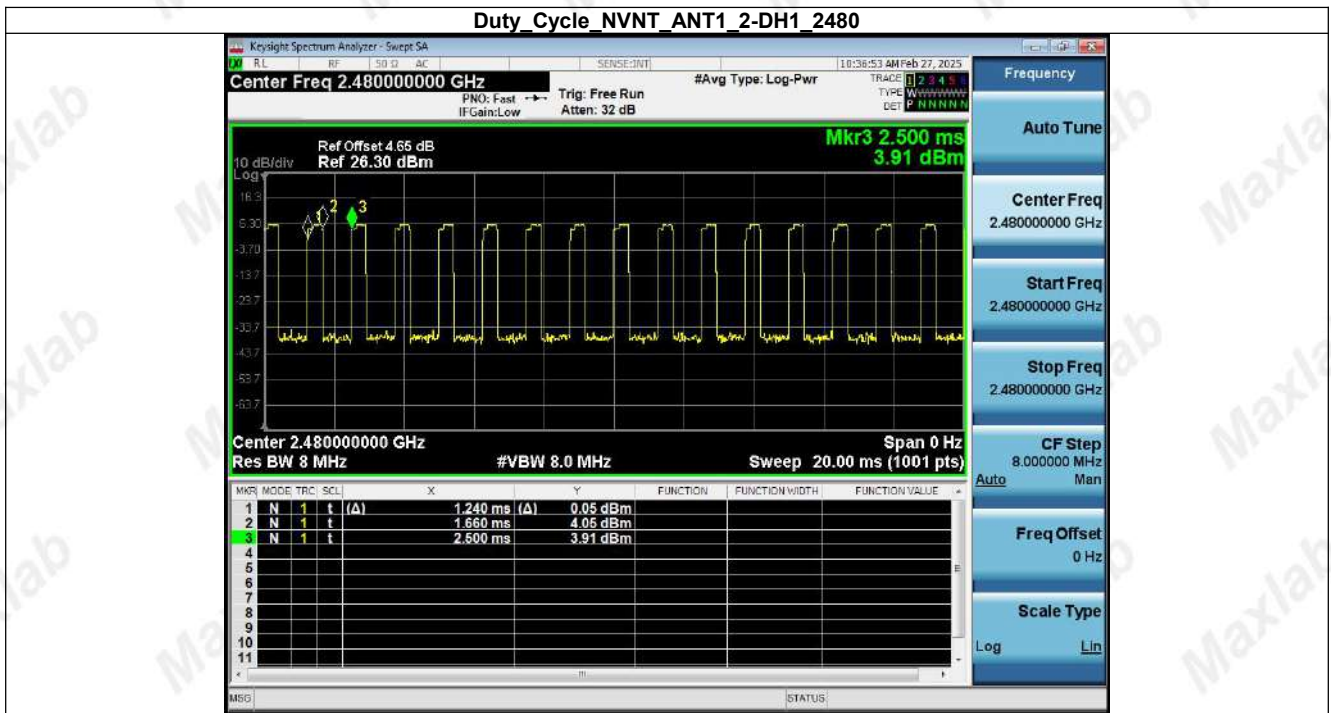
1. Duty Cycle

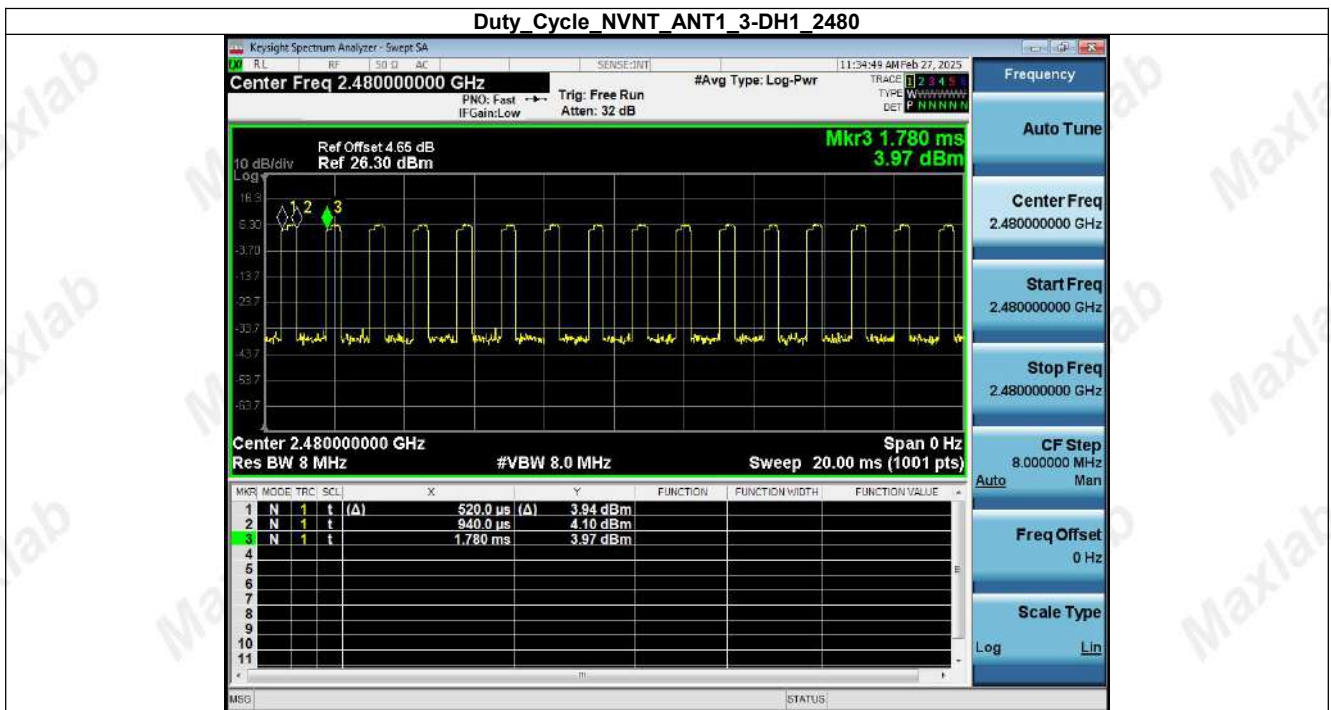
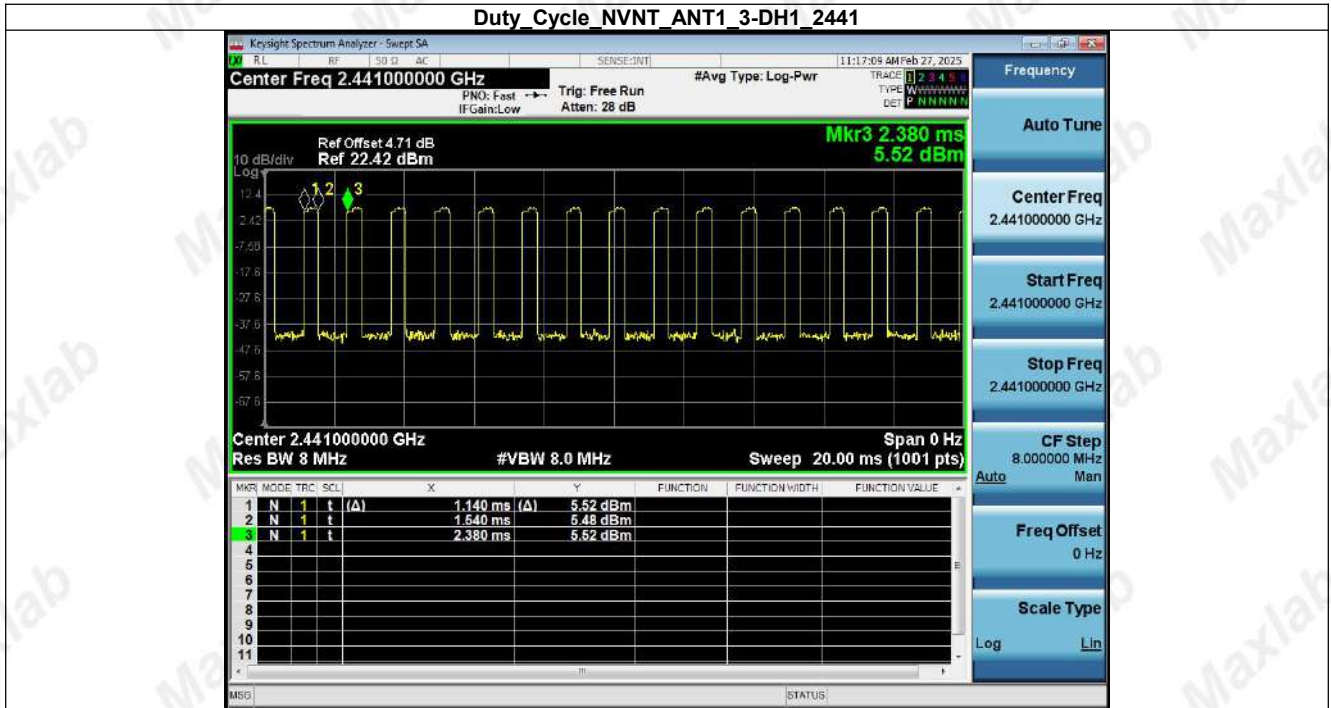
Condition	Antenna	Rate	Frequency (MHz)	Dutycycle(%)	Duty_factor
NVNT	ANT1	1-DH1	2402.00	31.75	4.98
NVNT	ANT1	1-DH1	2441.00	31.75	4.98
NVNT	ANT1	1-DH1	2480.00	31.75	4.98
NVNT	ANT1	2-DH1	2402.00	32.26	4.91
NVNT	ANT1	2-DH1	2441.00	33.87	4.70
NVNT	ANT1	2-DH1	2480.00	34.92	4.57
NVNT	ANT1	3-DH1	2402.00	33.87	4.70
NVNT	ANT1	3-DH1	2441.00	33.87	4.70
NVNT	ANT1	3-DH1	2480.00	33.33	4.77





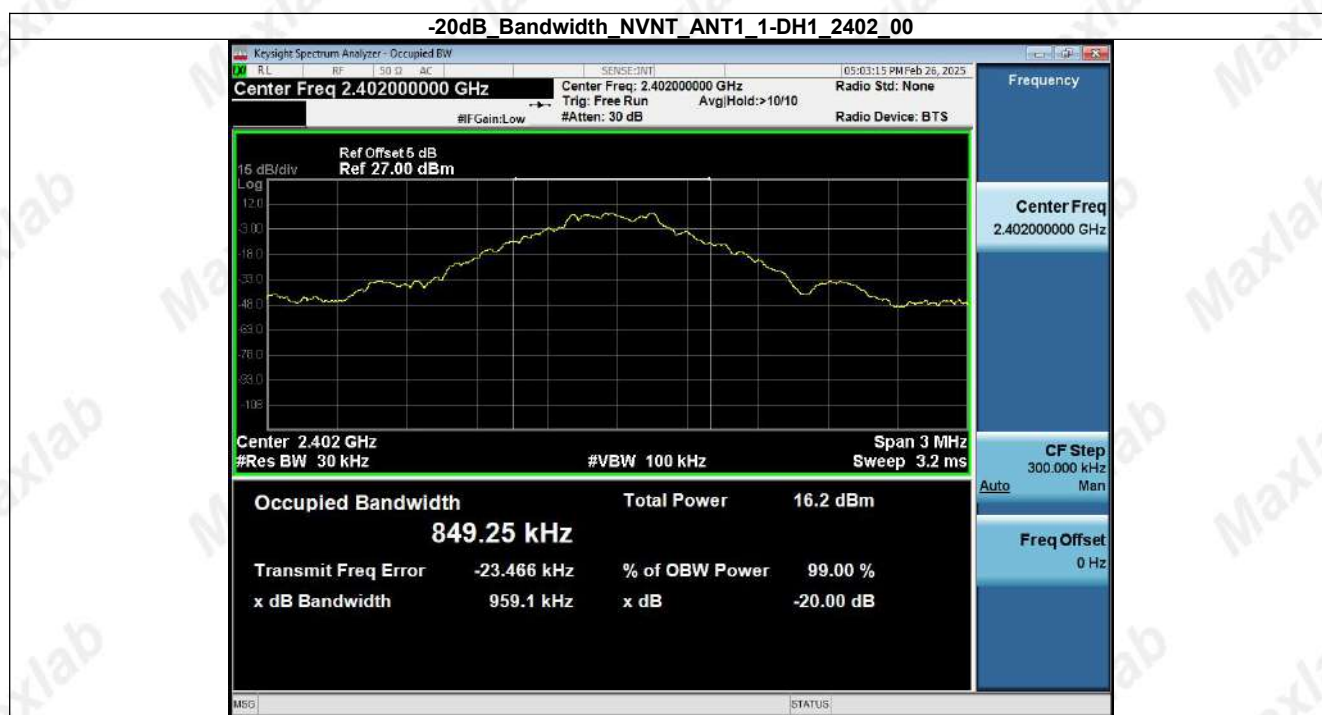






2. -20dB Bandwidth

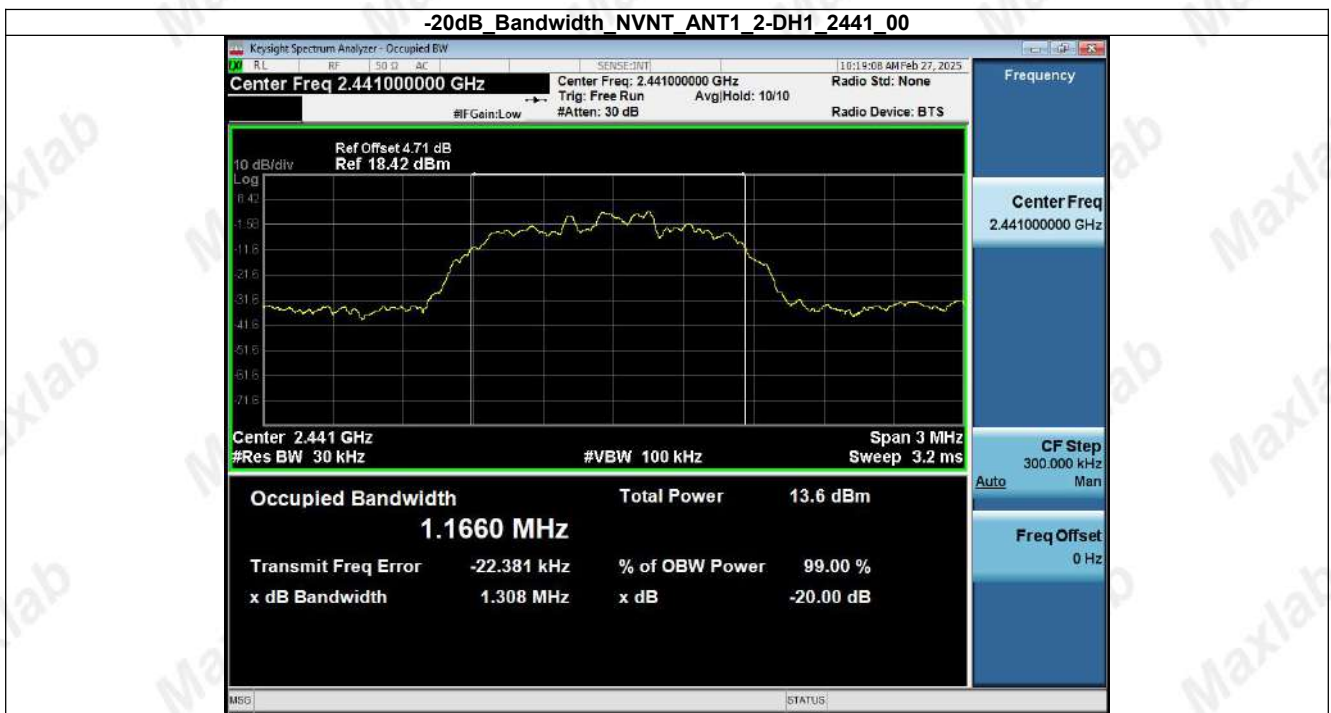
Condition	Antenna	Modulation	Frequency (MHz)	-20dB BW(MHz)	if larger than CFS
NVNT	ANT1	1-DH1	2402.00	0.959	No
NVNT	ANT1	1-DH1	2441.00	0.959	No
NVNT	ANT1	1-DH1	2480.00	0.958	No
NVNT	ANT1	2-DH1	2402.00	1.310	Yes
NVNT	ANT1	2-DH1	2441.00	1.308	Yes
NVNT	ANT1	2-DH1	2480.00	1.303	Yes
NVNT	ANT1	3-DH1	2402.00	1.263	Yes
NVNT	ANT1	3-DH1	2441.00	1.244	Yes
NVNT	ANT1	3-DH1	2480.00	1.240	Yes



-20dB_Bandwidth_NVNT_ANT1_1-DH1_2441_00



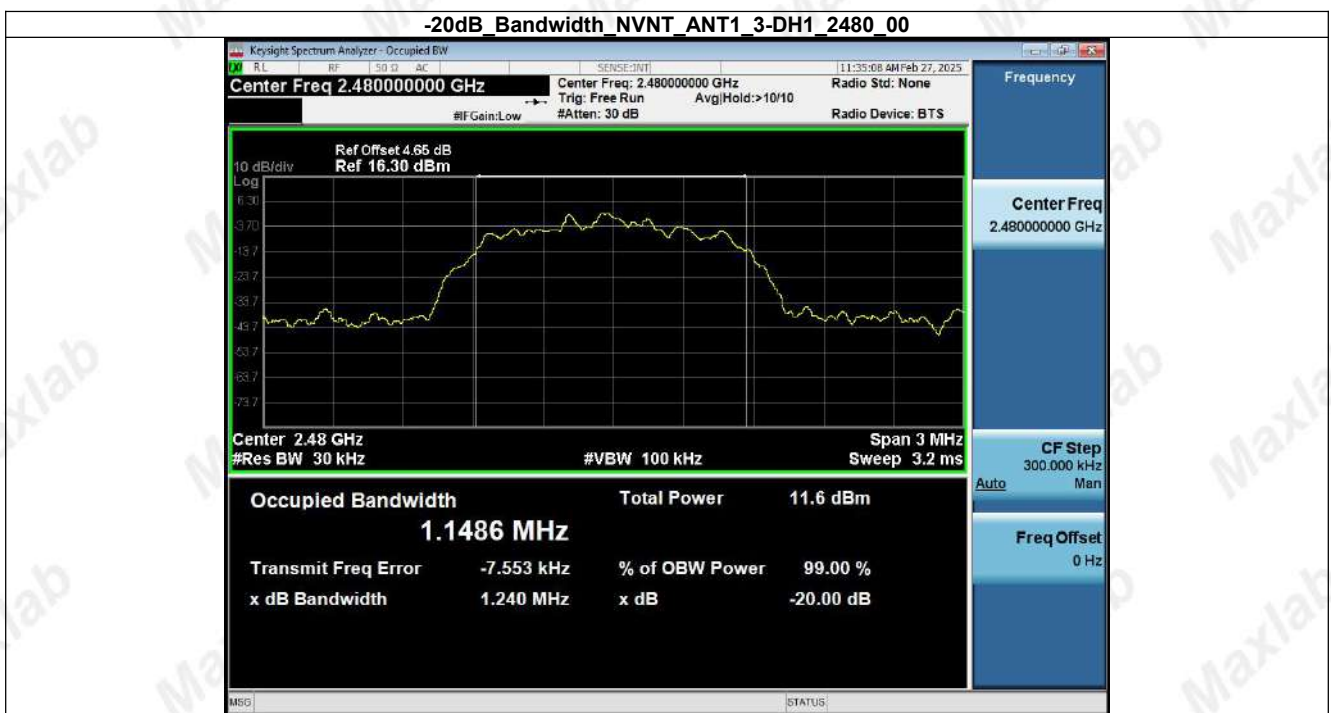
-20dB_Bandwidth_NVNT_ANT1_2-DH1_2402_00



-20dB_Bandwidth_NVNT_ANT1_2-DH1_2480_00



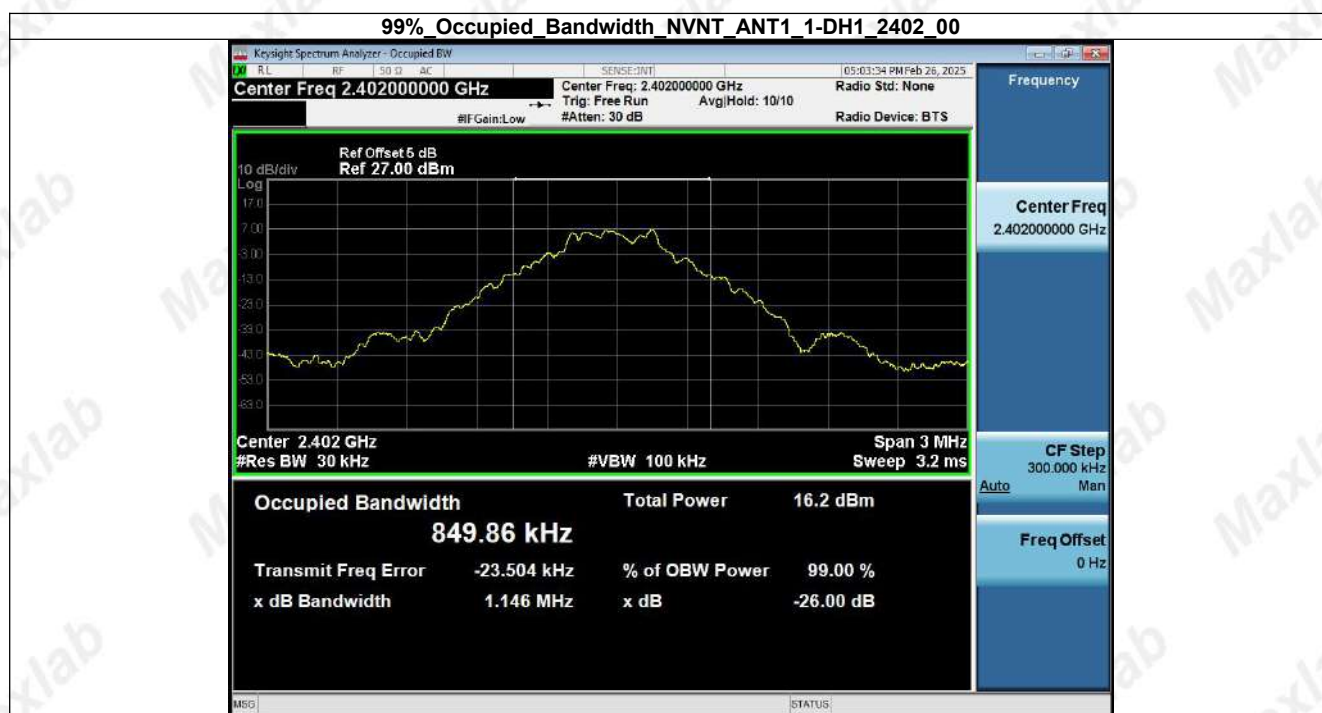
-20dB_Bandwidth_NVNT_ANT1_3-DH1_2441_00



3. 99% Occupied Bandwidth

Condition	Antenna	Modulation	Frequency (MHz)	99% BW(MHz)
NVNT	ANT1	1-DH1	2402.00	0.850
NVNT	ANT1	1-DH1	2441.00	0.852
NVNT	ANT1	1-DH1	2480.00	0.850
NVNT	ANT1	2-DH1	2402.00	1.168
NVNT	ANT1	2-DH1	2441.00	1.166
NVNT	ANT1	2-DH1	2480.00	1.159
NVNT	ANT1	3-DH1	2402.00	1.160
NVNT	ANT1	3-DH1	2441.00	1.156
NVNT	ANT1	3-DH1	2480.00	1.148

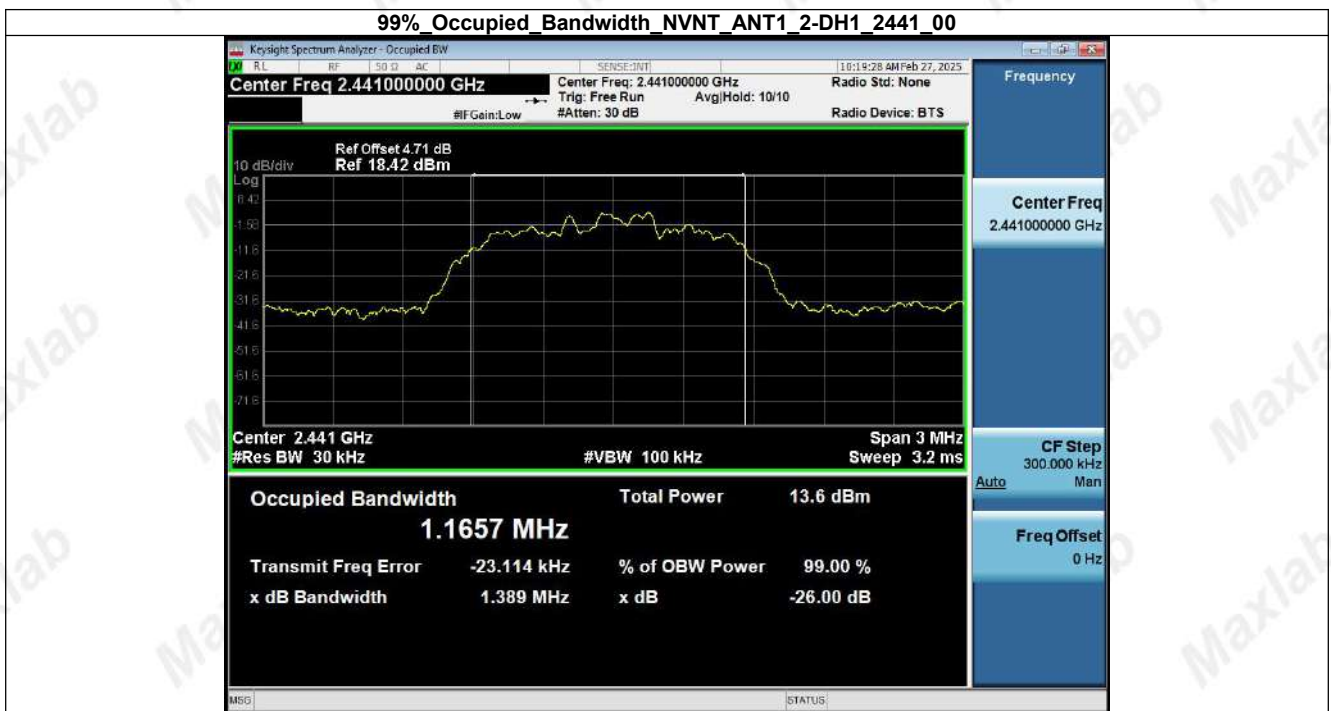
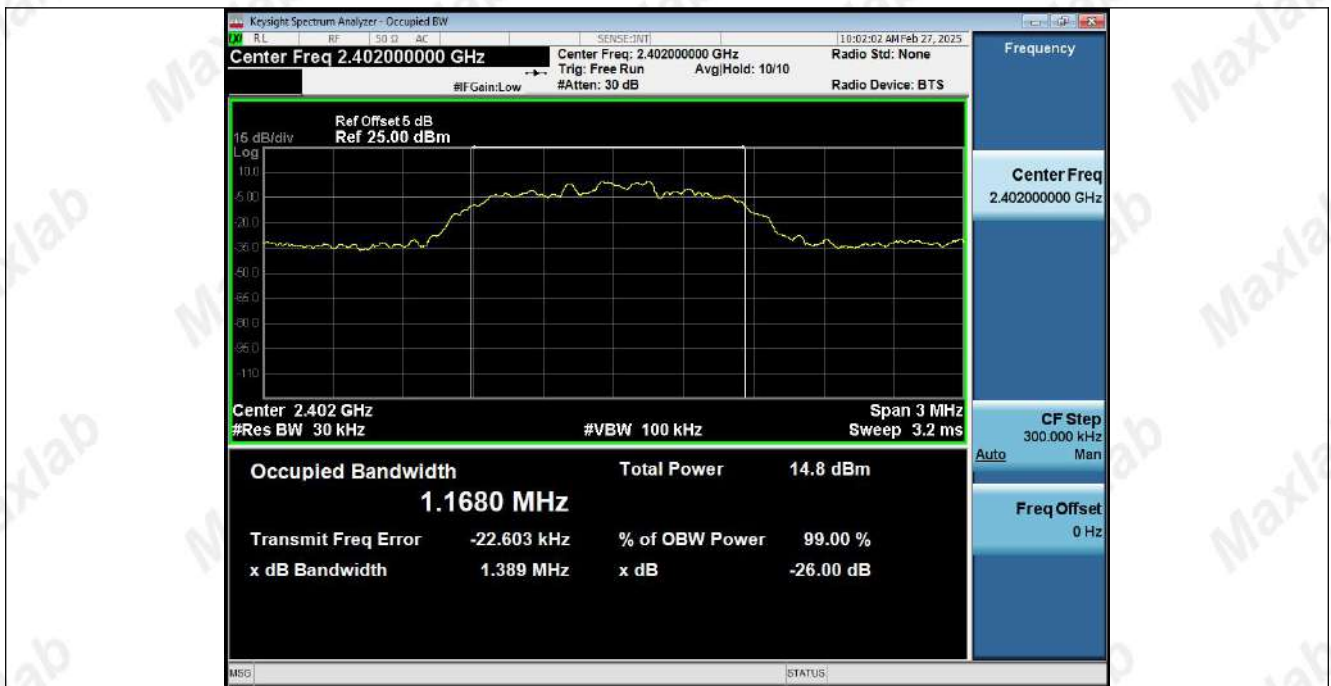
99%_Occupied_Bandwidth_NVNT_ANT1_1-DH1_2402_00



99%_Occupied_Bandwidth_NVNT_ANT1_1-DH1_2441_00



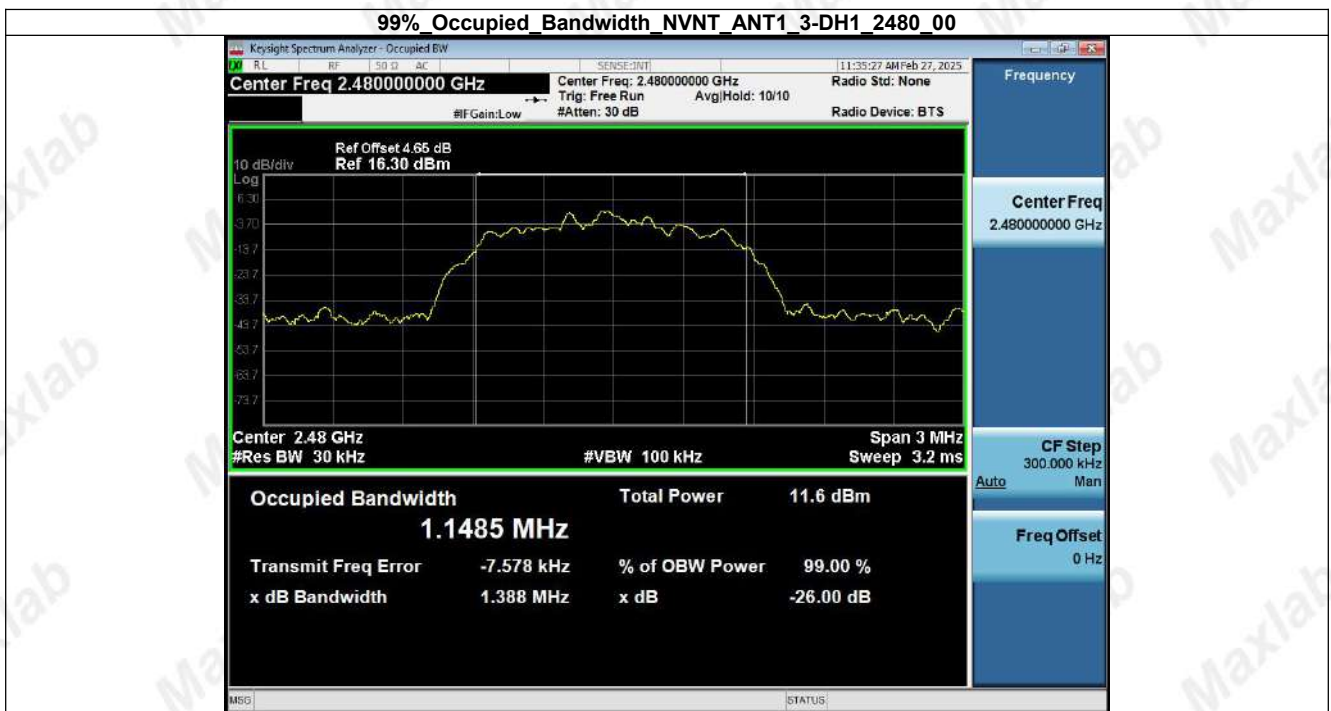
99% Occupied Bandwidth NVNT_ANT1_2-DH1_2402_00



99%_Occupied_Bandwidth_NVNT_ANT1_2-DH1_2480_00



99%_Occupied_Bandwidth_NVNT_ANT1_3-DH1_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	-1.64	0.69	1000	Pass
NVNT	ANT1	1-DH1	2441.00	-2.47	0.57	1000	Pass
NVNT	ANT1	1-DH1	2480.00	-2.76	0.53	1000	Pass
NVNT	ANT1	2-DH1	2402.00	-0.80	0.83	125	Pass
NVNT	ANT1	2-DH1	2441.00	-1.59	0.69	125	Pass
NVNT	ANT1	2-DH1	2480.00	-1.89	0.65	125	Pass
NVNT	ANT1	3-DH1	2402.00	-0.26	0.94	125	Pass
NVNT	ANT1	3-DH1	2441.00	-1.00	0.79	125	Pass
NVNT	ANT1	3-DH1	2480.00	-1.31	0.74	125	Pass

Peak_Output_Power_NVNT_ANT1_1-DH1_2402_00



Peak_Output_Power_NVNT_ANT1_1-DH1_2441_00



Peak Output Power NVNT_ANT1_2-DH1_2402_00



Peak Output Power NVNT_ANT1_2-DH1_2480_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	-1.890	-48.892	-21.890	Pass
NVNT	ANT1	1-DH1	2441.00	-2.624	-50.028	-22.624	Pass
NVNT	ANT1	1-DH1	2480.00	-2.916	-48.768	-22.916	Pass
NVNT	ANT1	2-DH1	2402.00	-1.811	-48.703	-21.811	Pass
NVNT	ANT1	2-DH1	2441.00	-2.613	-51.332	-22.613	Pass
NVNT	ANT1	2-DH1	2480.00	-2.919	-50.867	-22.919	Pass
NVNT	ANT1	3-DH1	2402.00	-1.797	-49.273	-21.797	Pass
NVNT	ANT1	3-DH1	2441.00	-2.619	-43.614	-22.619	Pass
NVNT	ANT1	3-DH1	2480.00	-2.922	-51.849	-22.922	Pass

1_Reference_Level_NVNT_ANT1_1-DH1_2402_00



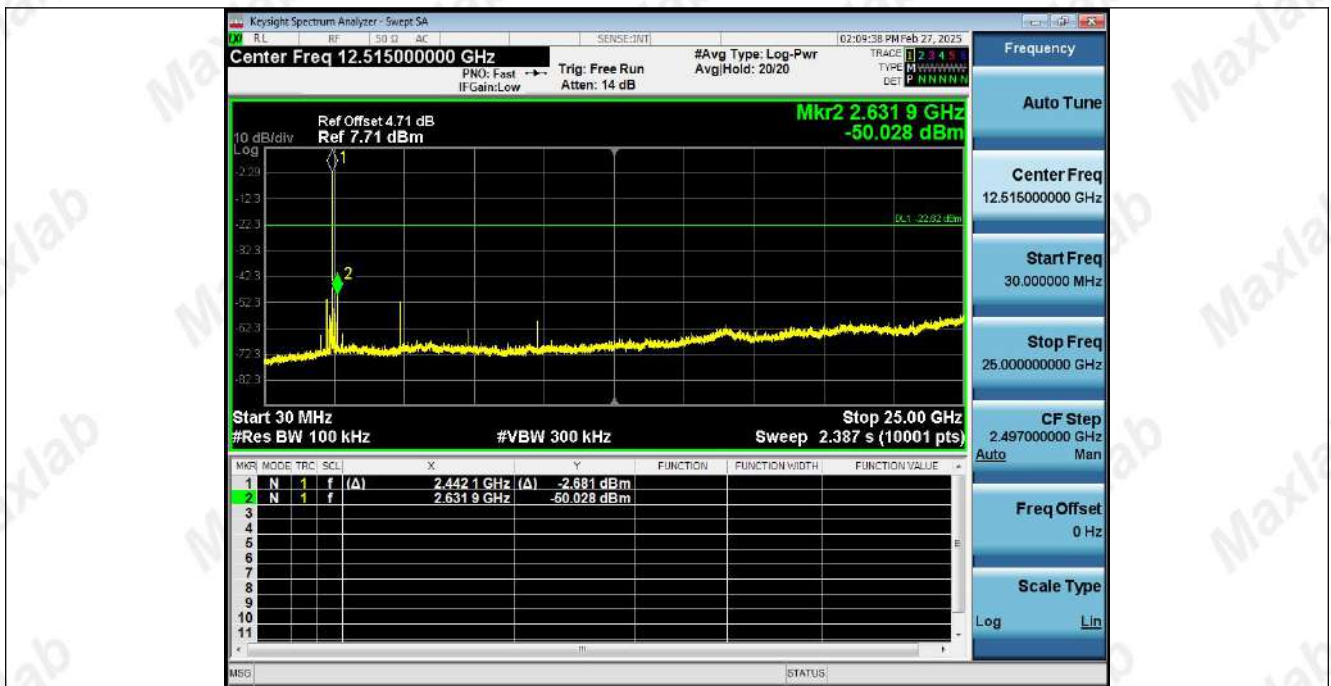
2_Spurious_Emissions_NVNT_ANT1_1-DH1_2402_00

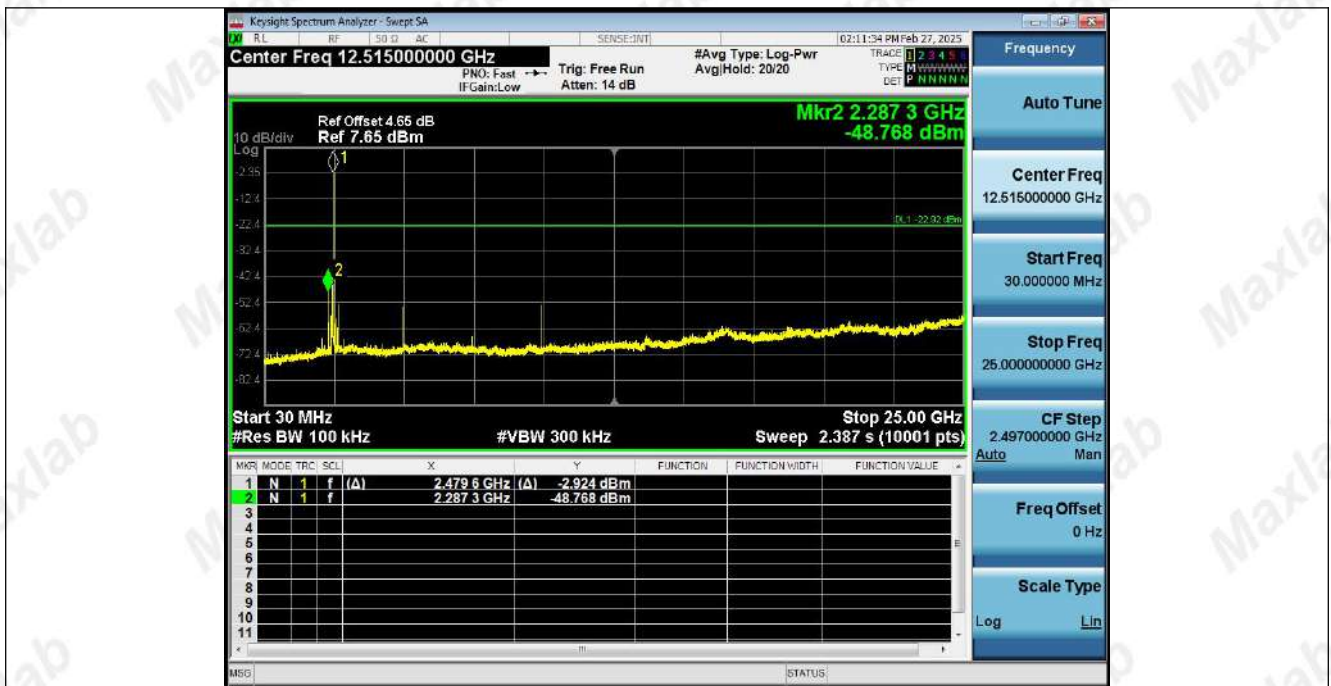


1 Reference_Level_NVNT_ANT1_1-DH1_2441_00

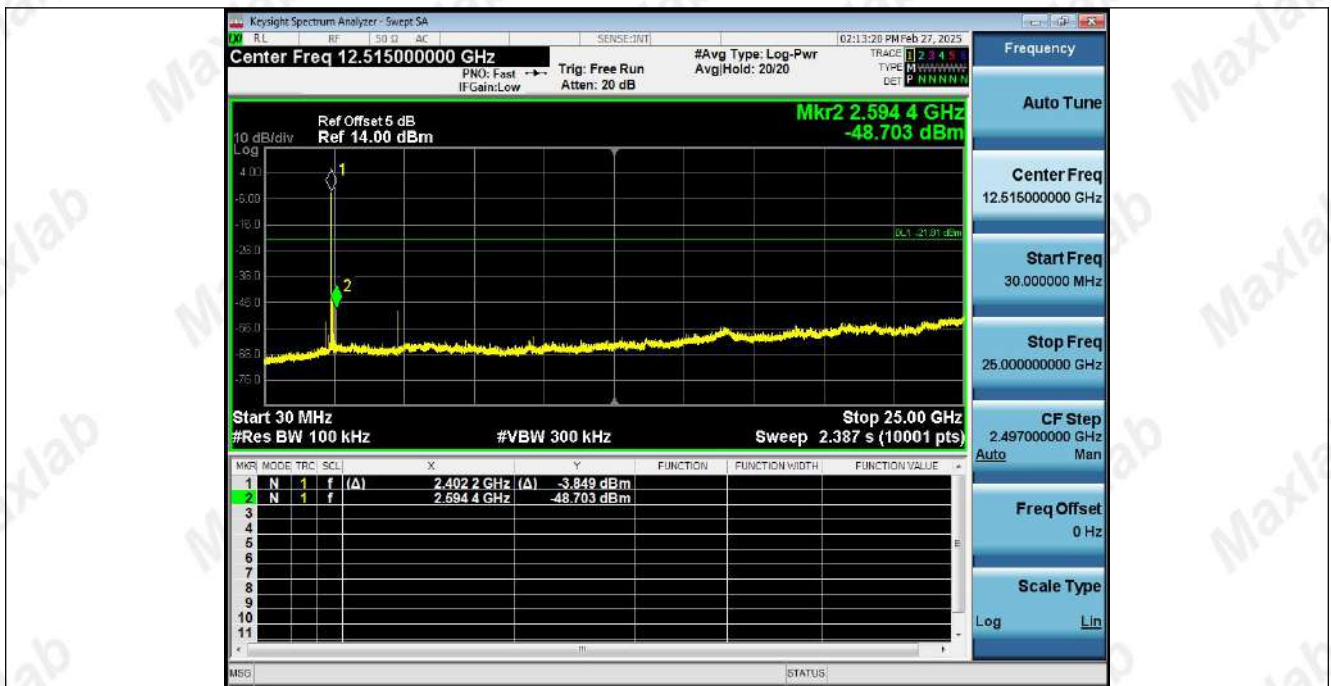


2 Spurious_Emissions_NVNT_ANT1_1-DH1_2441_00

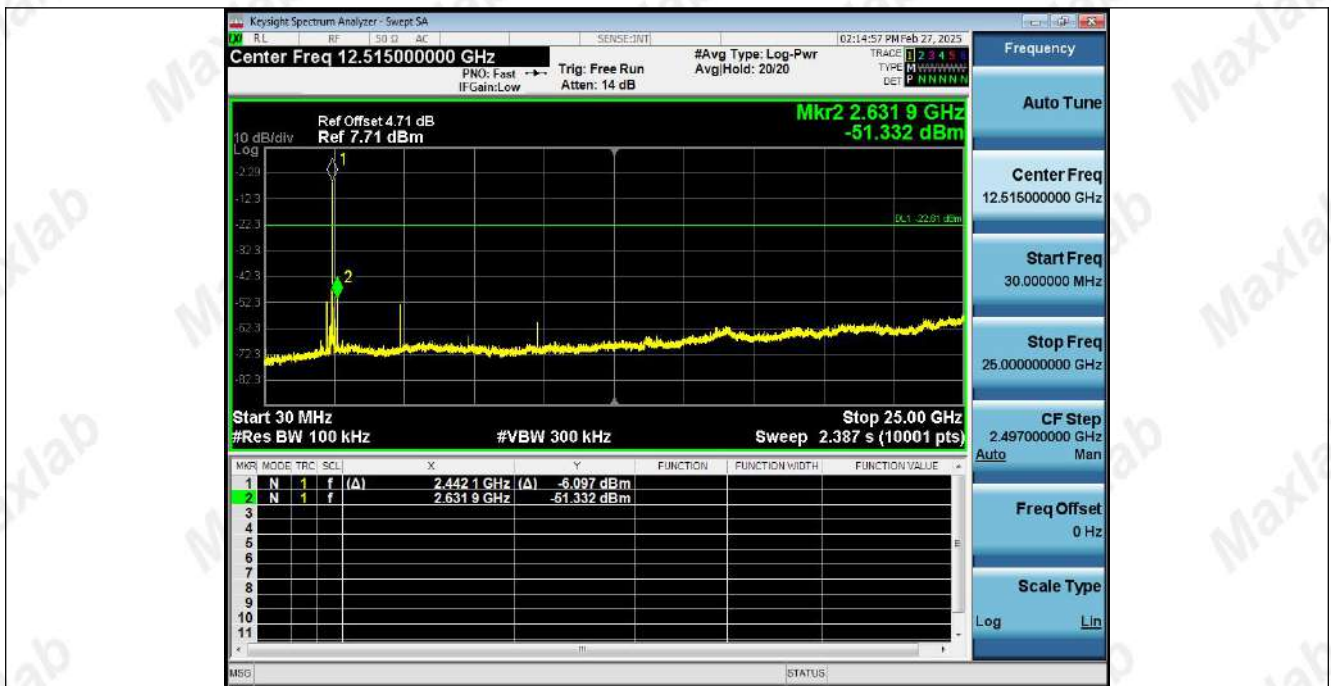


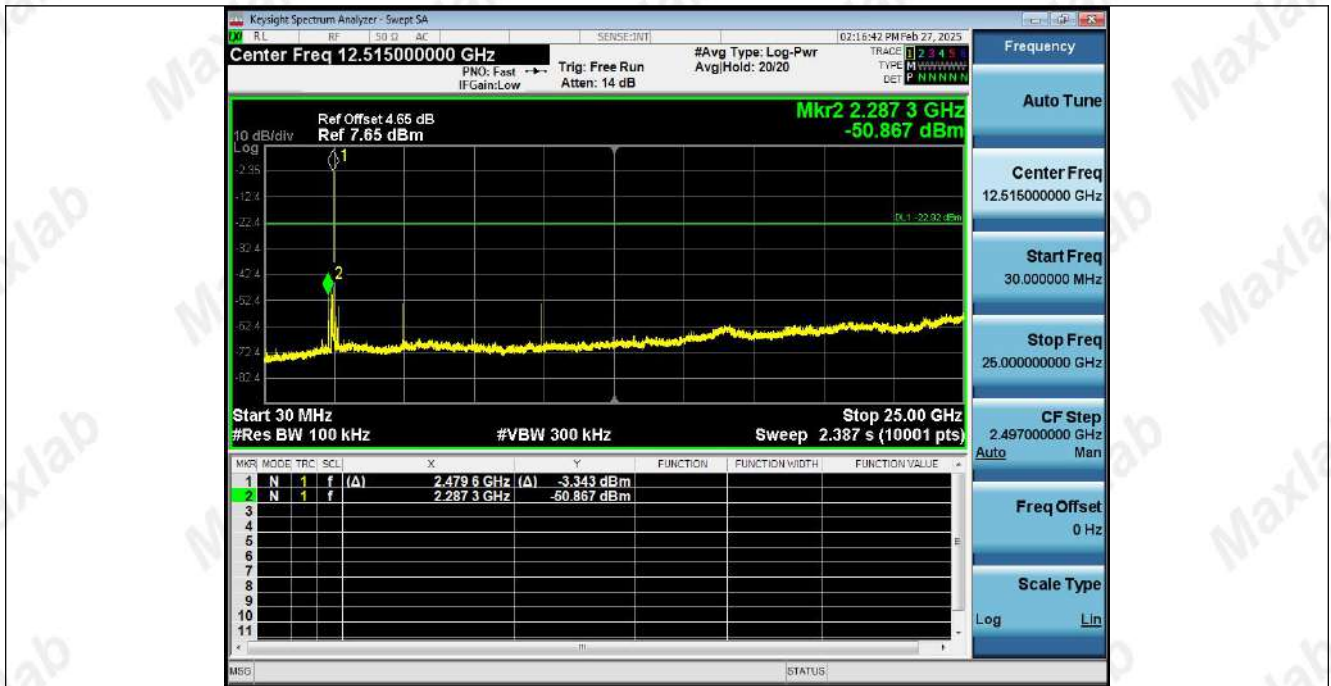


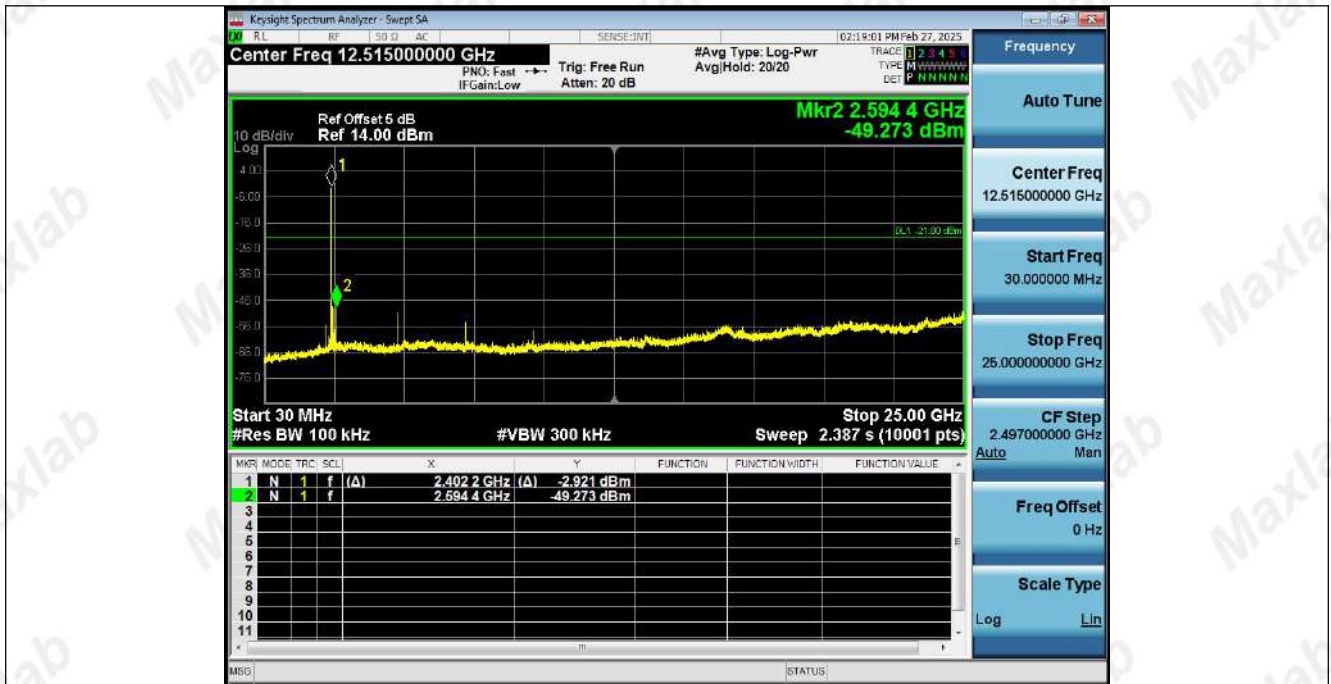
2 Spurious Emissions NVNT ANT1_2-DH1_2402_00



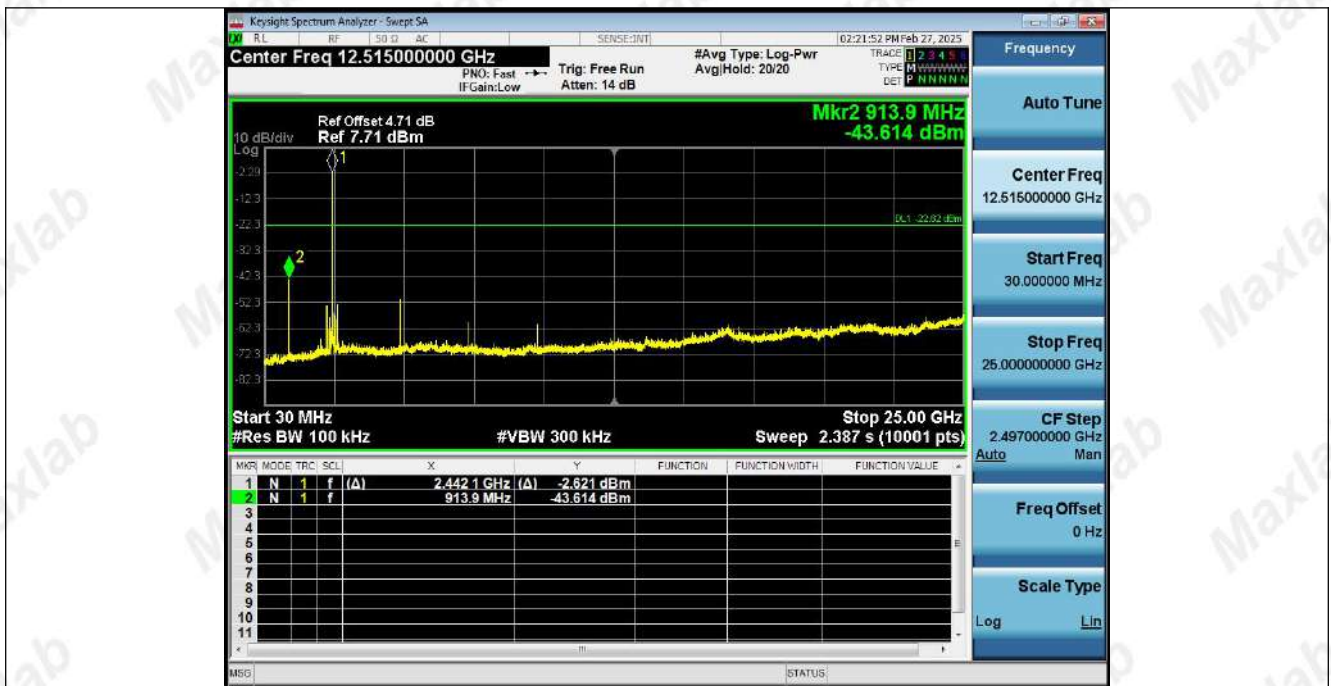
2 Spurious Emissions NVNT ANT1 2-DH1 2441_00



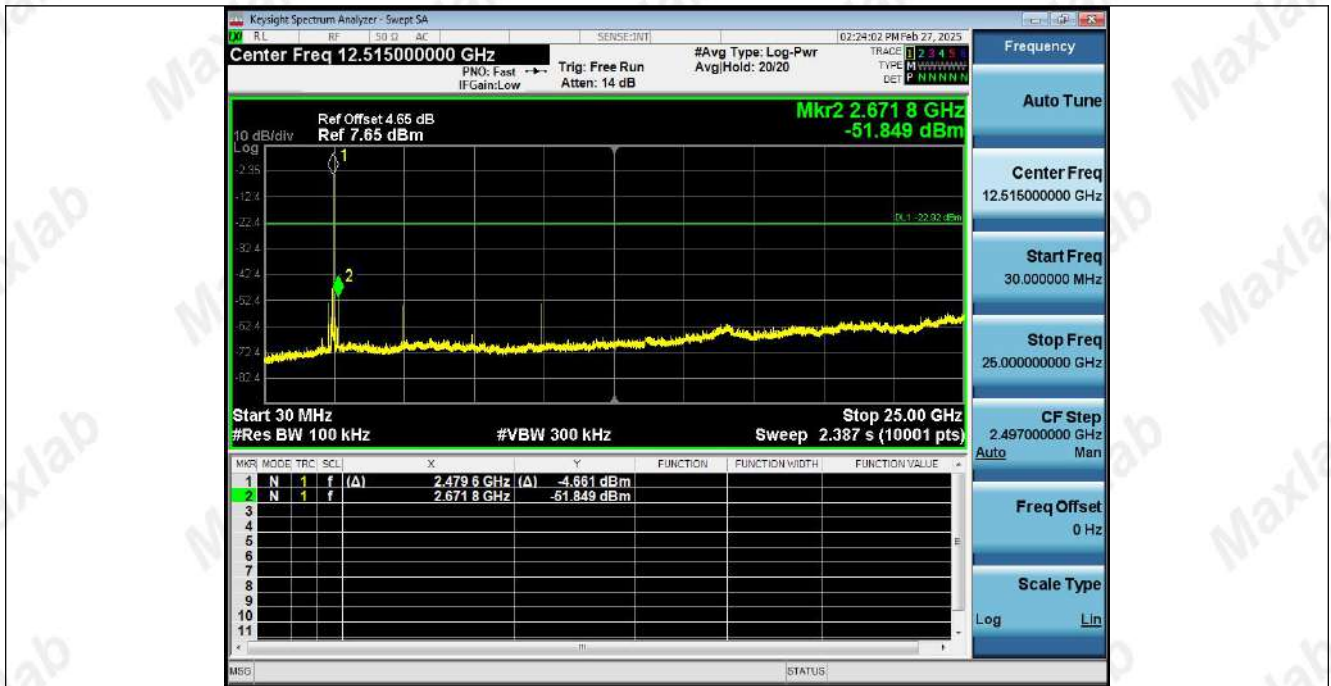




2_Spurious_Emissions_NVNT_ANT1_3-DH1_2441_00



2_Spurious_Emissions_NVNT_ANT1_3-DH1_2480_00



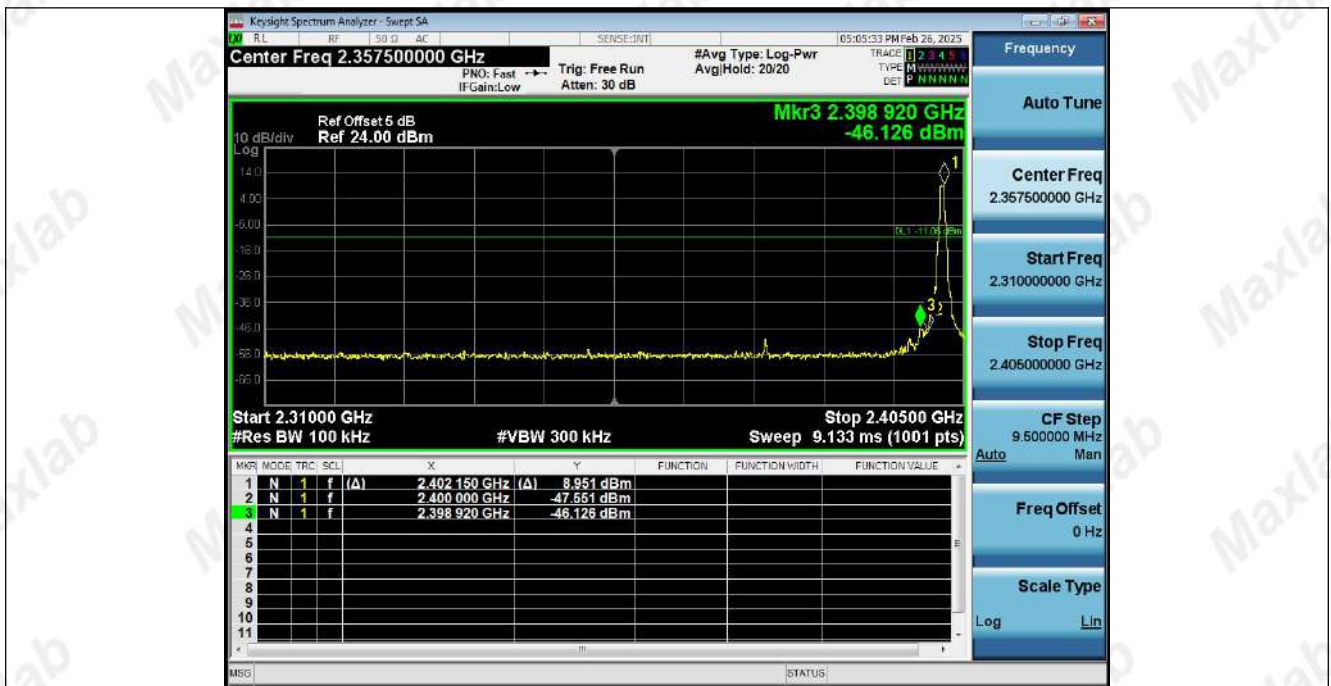
6. Bandedge

Condition	Antenna	Modulation	TX Mode	Ref_level(dBm)	Bandedge MAX.Value	Limit	Result
NVNT	ANT1	1-DH1	2402.00	8.944	-46.126	-11.056	Pass
NVNT	ANT1	1-DH1	Hopping_LCH	8.871	-46.419	-11.129	Pass
NVNT	ANT1	1-DH1	2480.00	4.004	-52.861	-15.996	Pass
NVNT	ANT1	1-DH1	Hopping_HCH	6.639	-53.724	-13.361	Pass
NVNT	ANT1	2-DH1	2402.00	6.689	-42.731	-13.311	Pass
NVNT	ANT1	2-DH1	Hopping_LCH	6.662	-43.516	-13.338	Pass
NVNT	ANT1	2-DH1	2480.00	3.885	-52.873	-16.115	Pass
NVNT	ANT1	2-DH1	Hopping_HCH	6.614	-55.799	-13.386	Pass
NVNT	ANT1	3-DH1	2402.00	6.747	-43.073	-13.253	Pass
NVNT	ANT1	3-DH1	Hopping_LCH	7.039	-42.951	-12.961	Pass
NVNT	ANT1	3-DH1	2480.00	3.942	-52.664	-16.058	Pass
NVNT	ANT1	3-DH1	Hopping_HCH	6.677	-52.917	-13.323	Pass

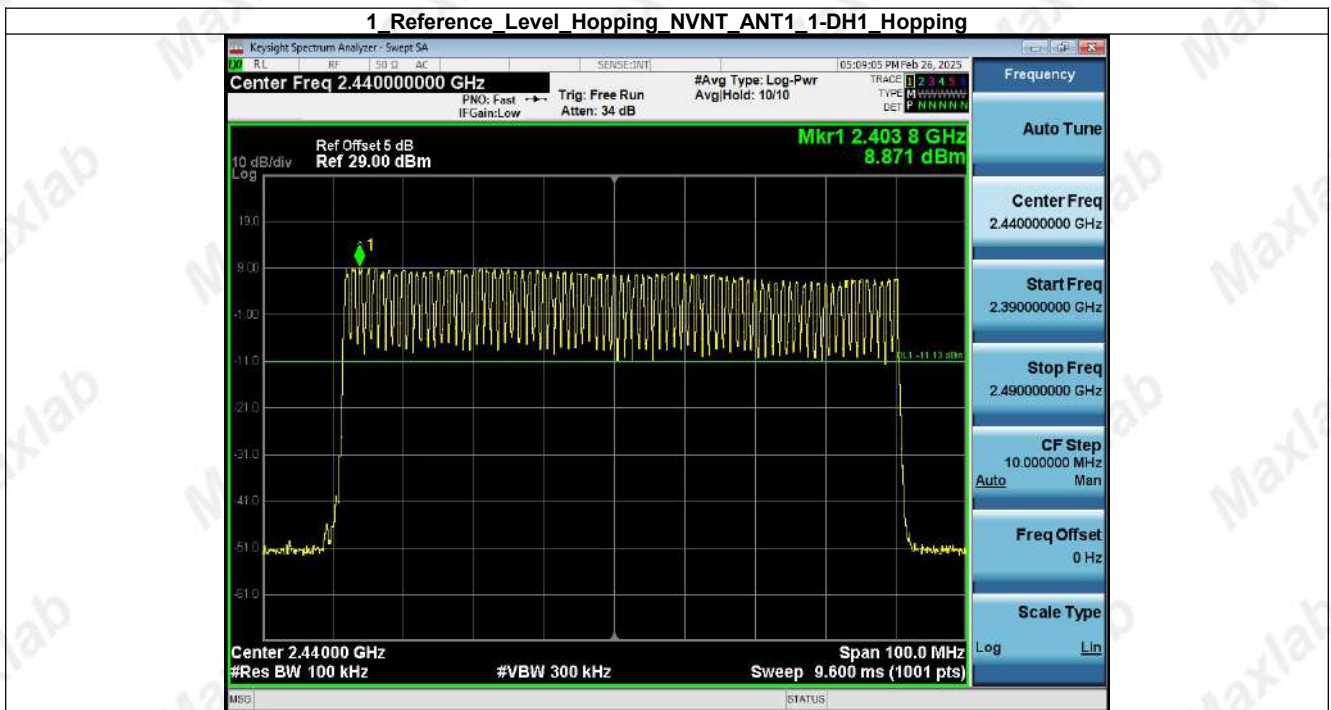
1_Reference_Level_NVNT_ANT1_1-DH1_2402_00



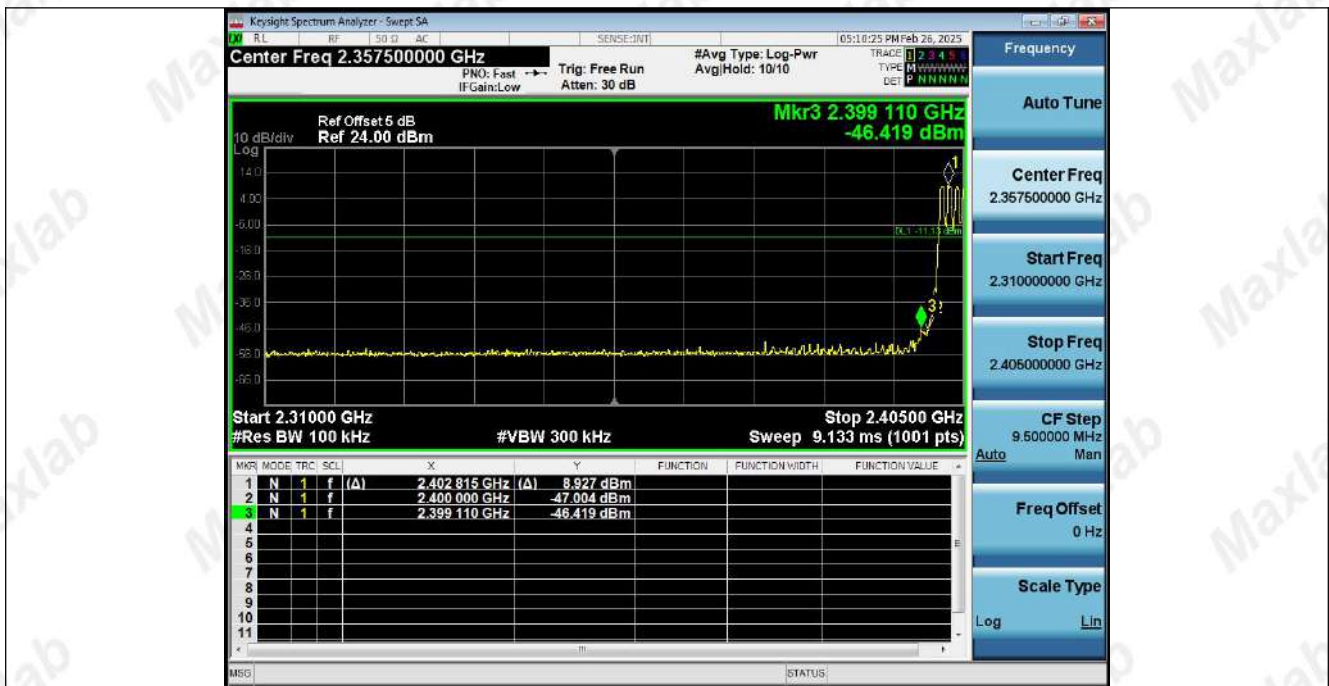
2_Bandedge_NVNT_ANT1_1-DH1_2402_00



1 Reference_Level_Hopping_NVNT_ANT1_1-DH1_Hopping



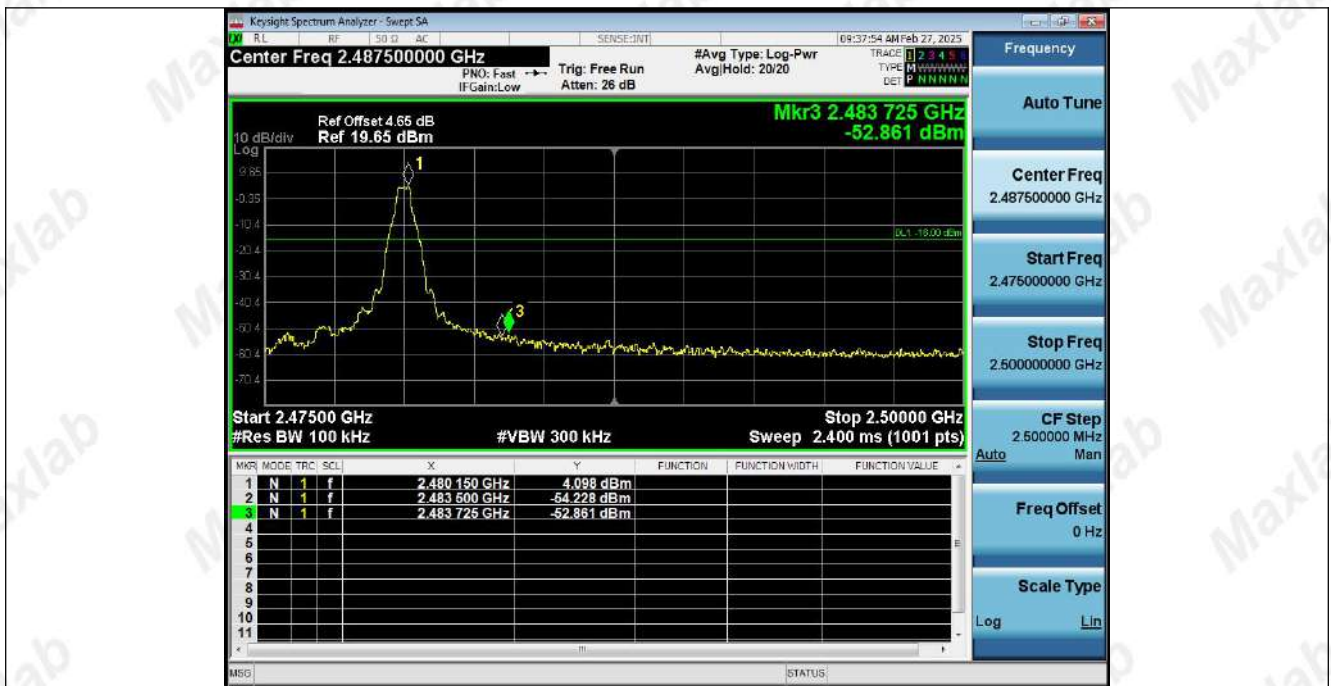
2_Band_Edge_(Hopping)_NVNT_ANT1_1-DH1_Hopping



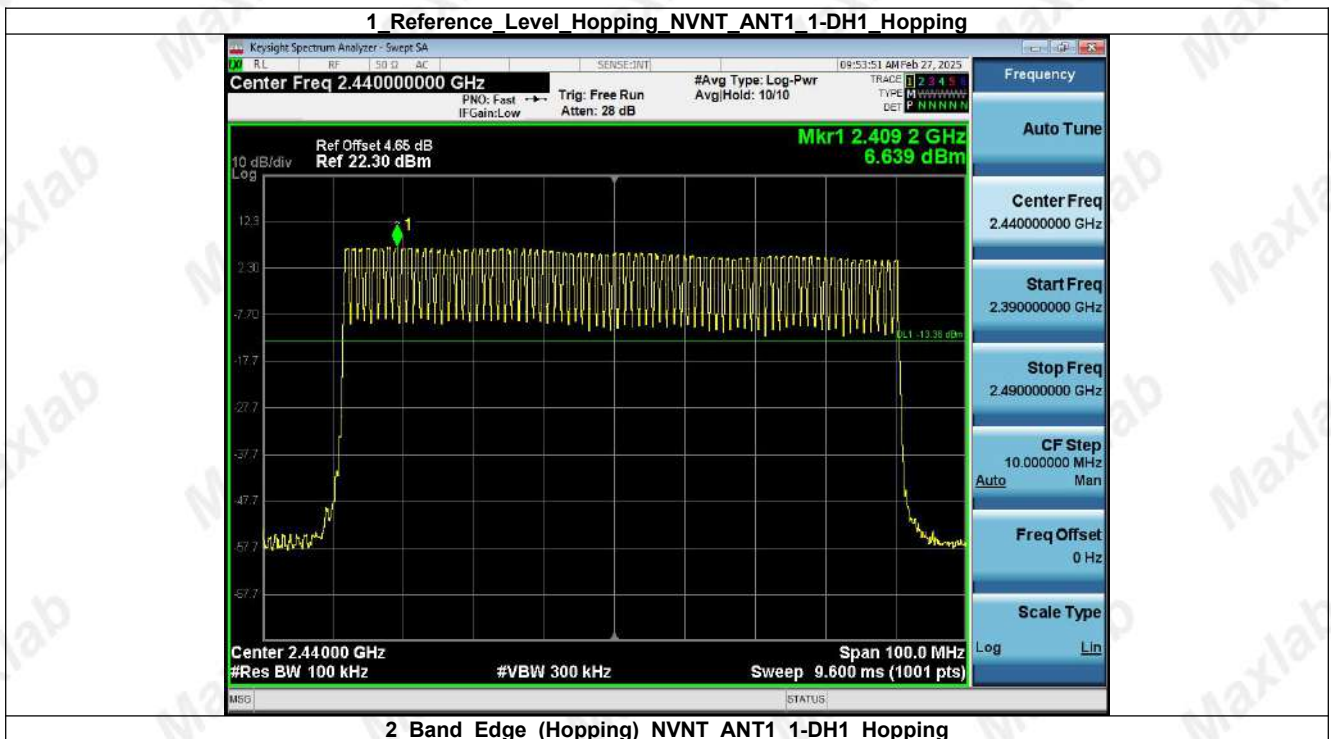
1 Reference_Level_NVNT_ANT1_1-DH1_2480_00



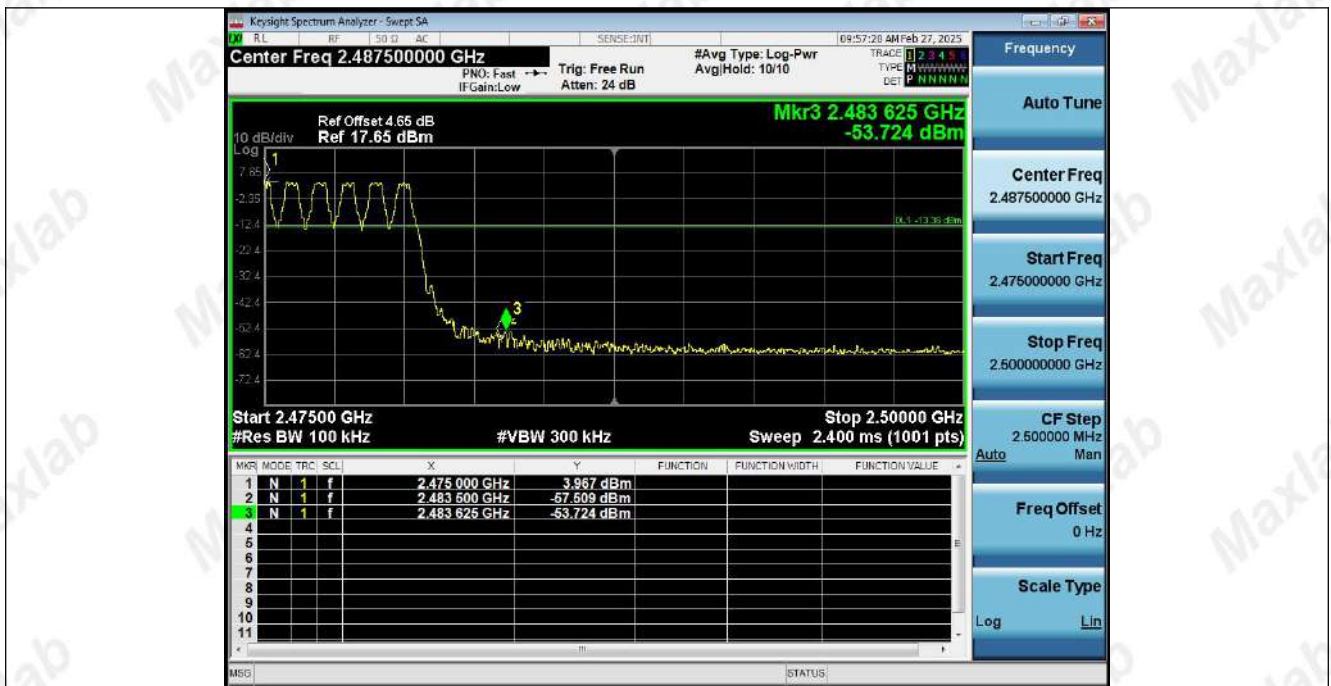
2 Bandedge_NVNT_ANT1_1-DH1_2480_00



1 Reference_Level_Hopping_NVNT_ANT1_1-DH1_Hopping



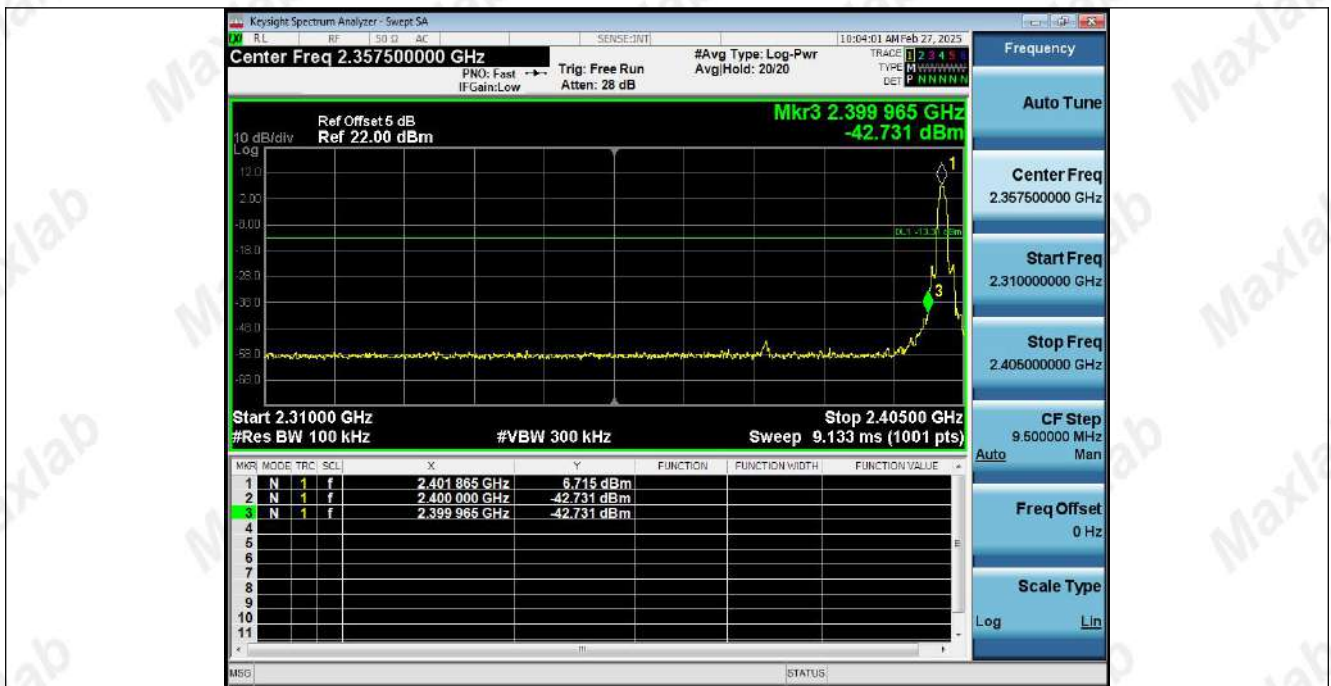
2_Band_Edge_(Hopping)_NVNT_ANT1_1-DH1_Hopping



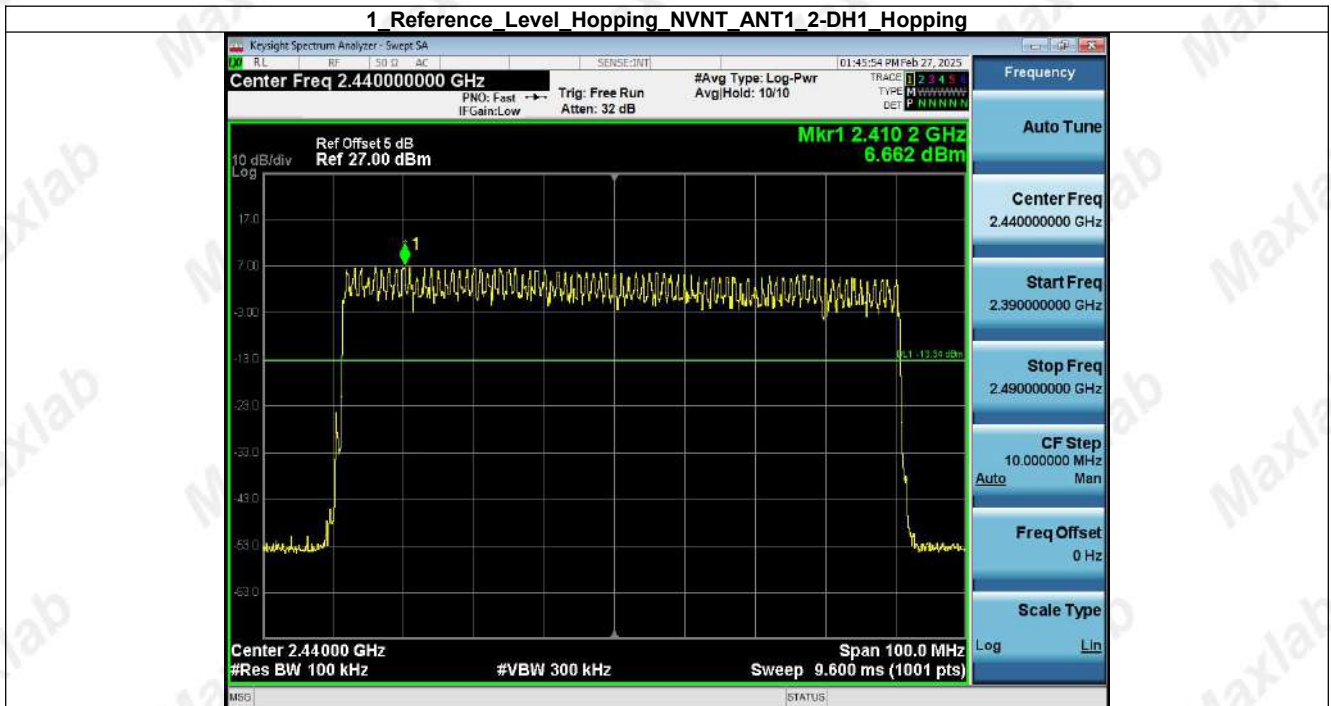
1 Reference_Level_NVNT_ANT1_2-DH1_2402_00



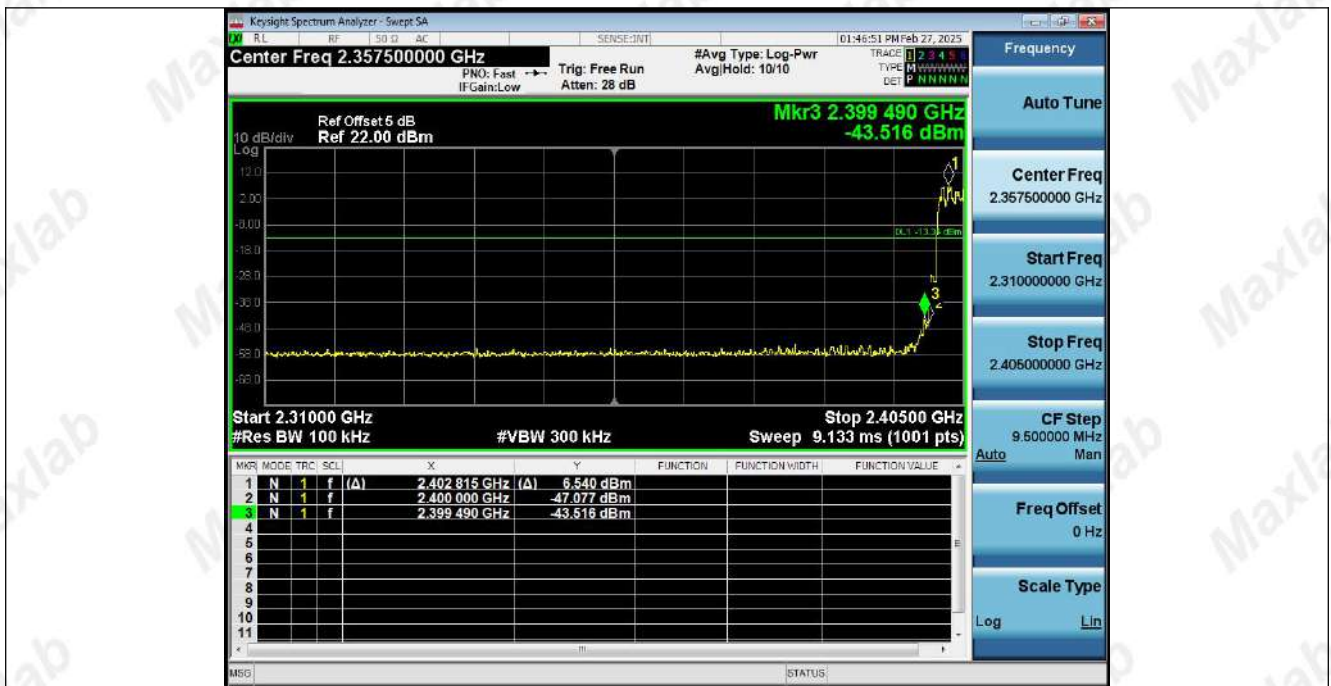
2 Bandedge_NVNT_ANT1_2-DH1_2402_00



1 Reference_Level_Hopping_NVNT_ANT1_2-DH1_Hopping



2_Band_Edge_(Hopping)_NVNT_ANT1_2-DH1_Hopping



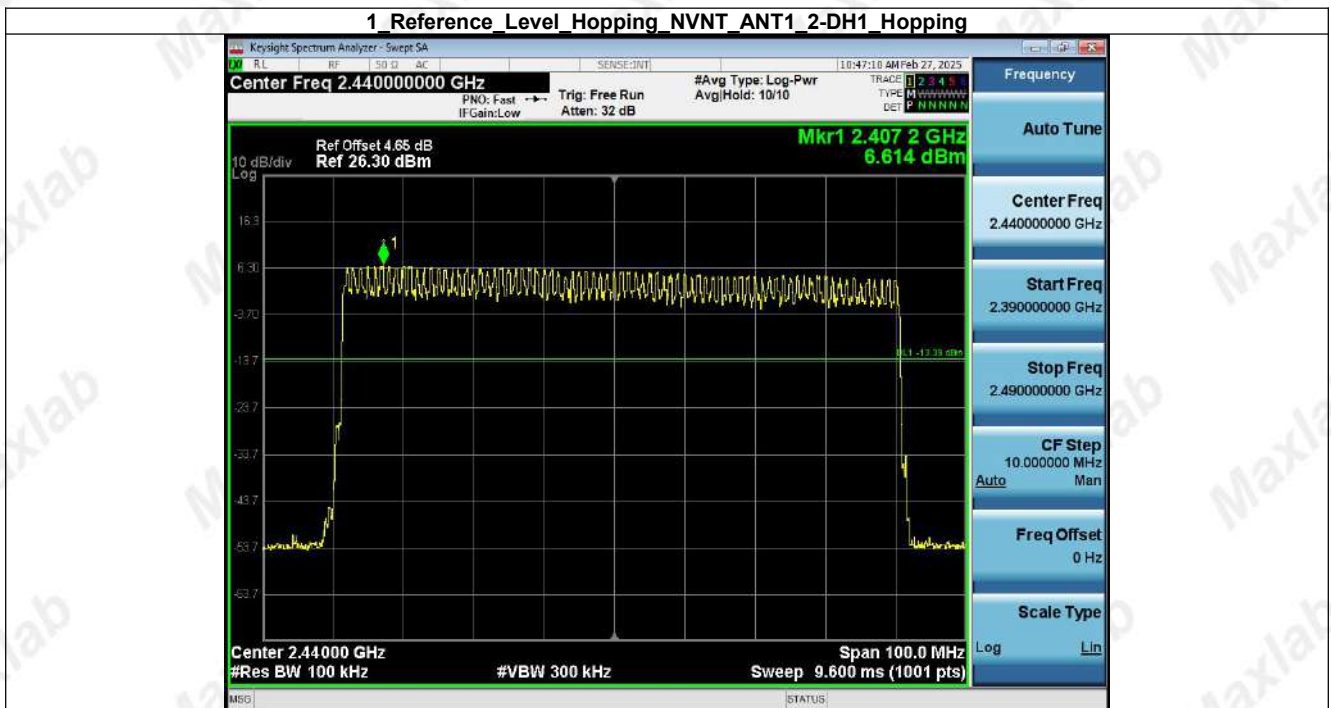
1 Reference_Level_NVNT_ANT1_2-DH1_2480_00



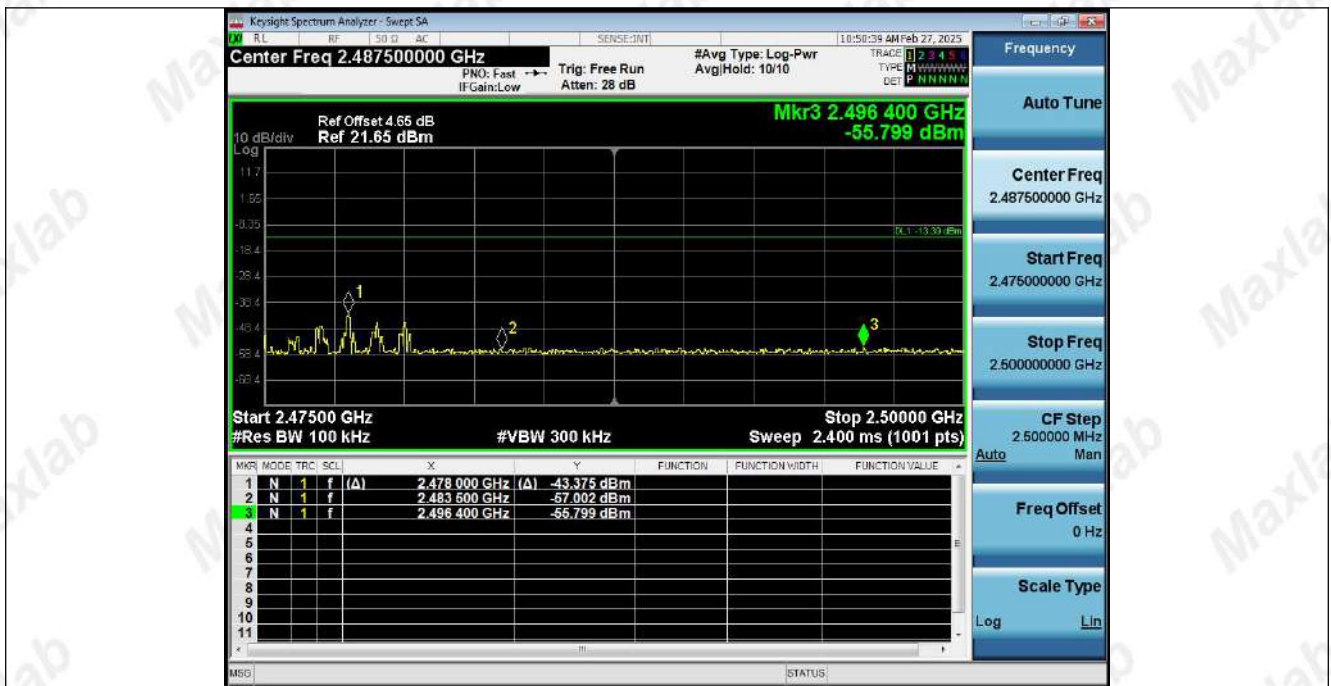
2 Bandedge_NVNT_ANT1_2-DH1_2480_00



1 Reference_Level_Hopping_NVNT_ANT1_2-DH1_Hopping



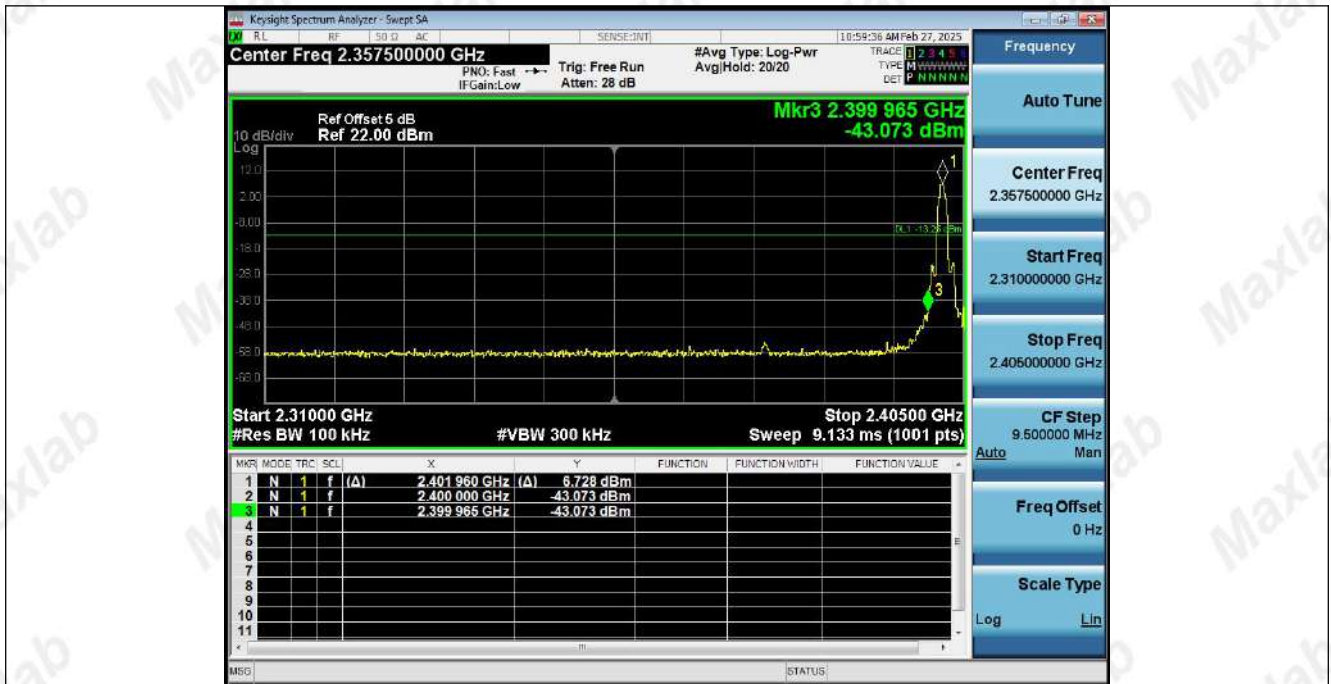
2_Band_Edge_(Hopping)_NVNT_ANT1_2-DH1_Hopping



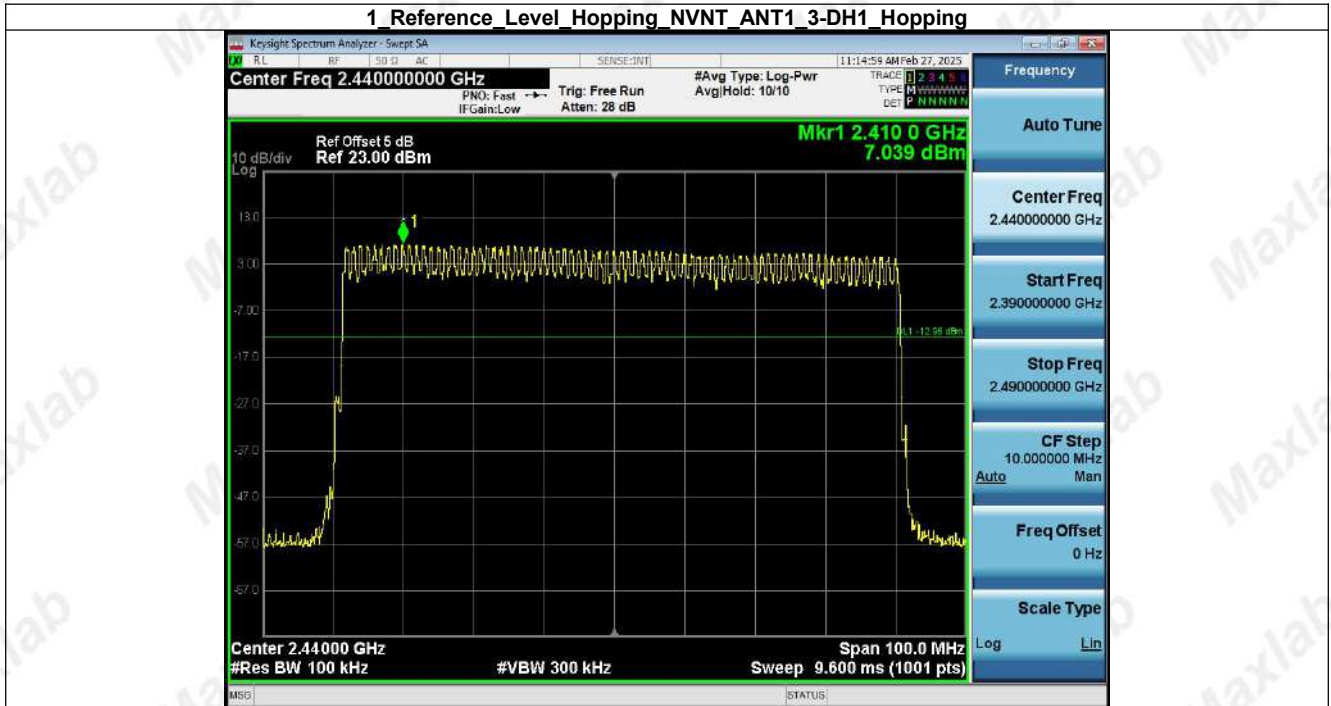
1 Reference_Level_NVNT_ANT1_3-DH1_2402_00



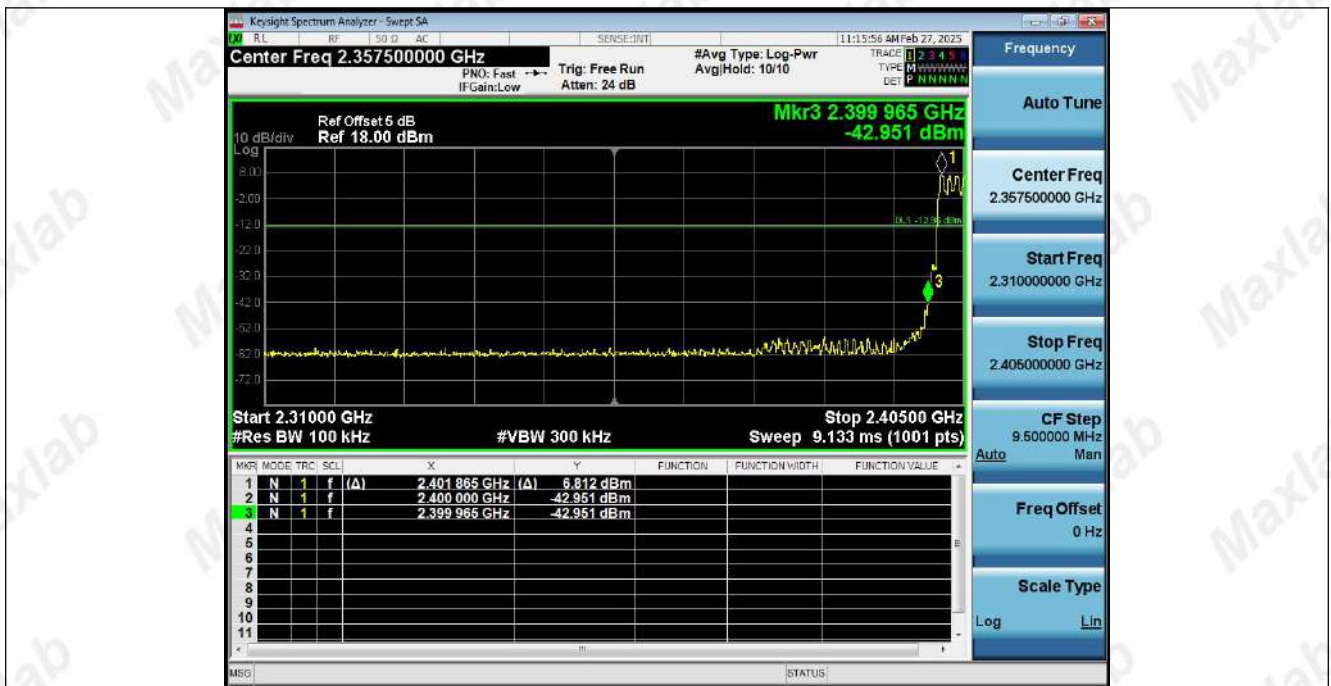
2 Bandedge_NVNT_ANT1_3-DH1_2402_00



1 Reference_Level_Hopping_NVNT_ANT1_3-DH1_Hopping



2_Band_Edge_(Hopping)_NVNT_ANT1_3-DH1_Hopping



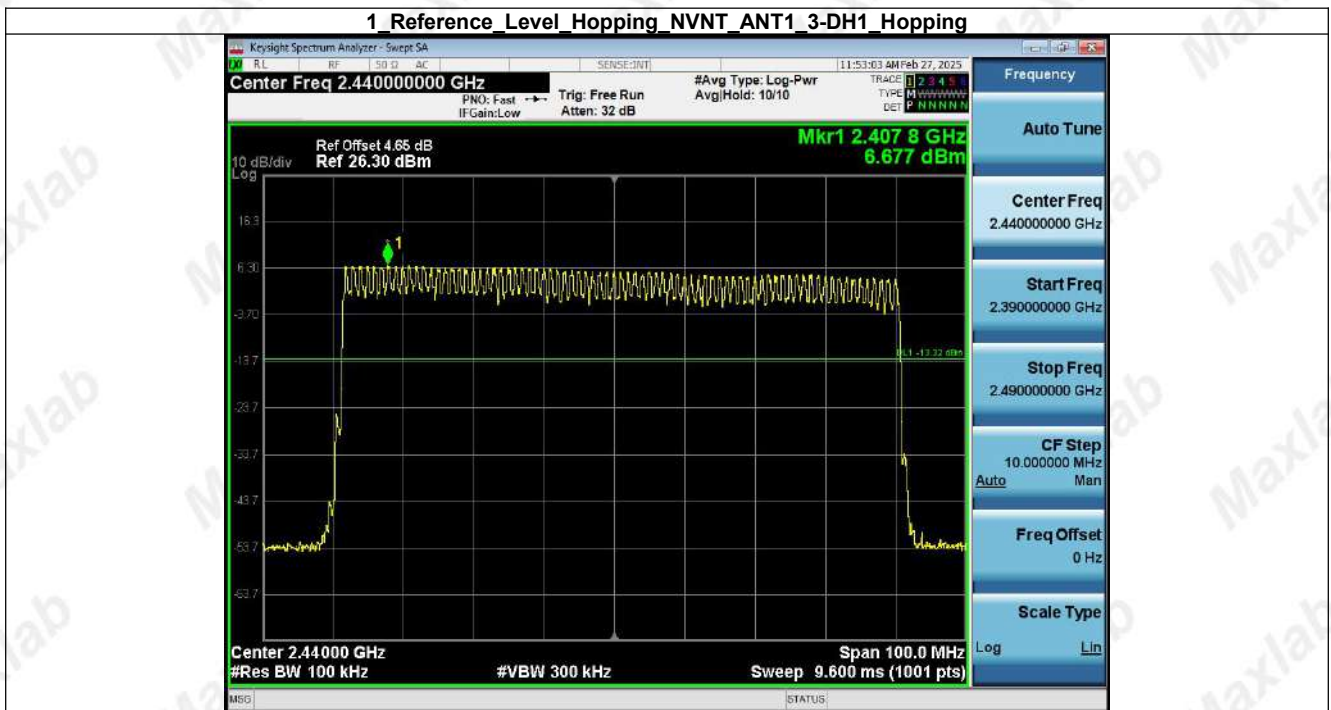
1 Reference_Level_NVNT_ANT1_3-DH1_2480_00



2 Bandedge_NVNT_ANT1_3-DH1_2480_00



1 Reference_Level_Hopping_NVNT_ANT1_3-DH1_Hopping

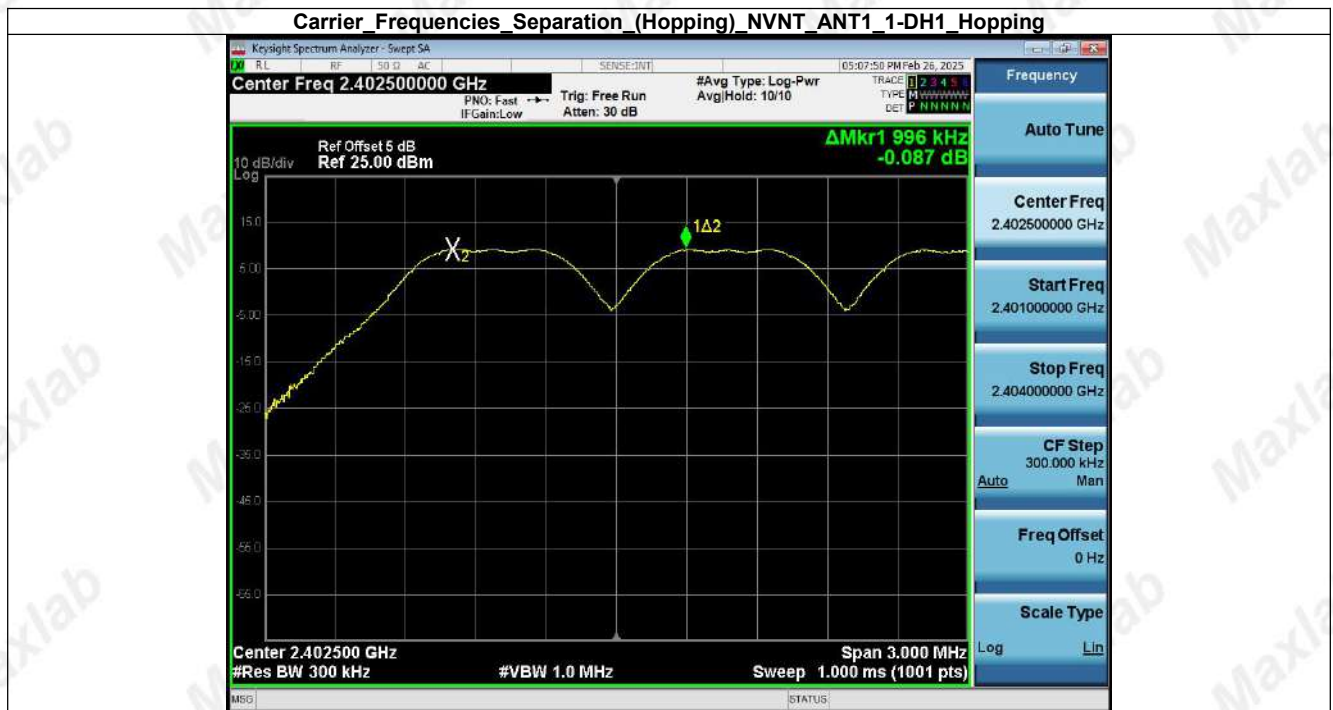


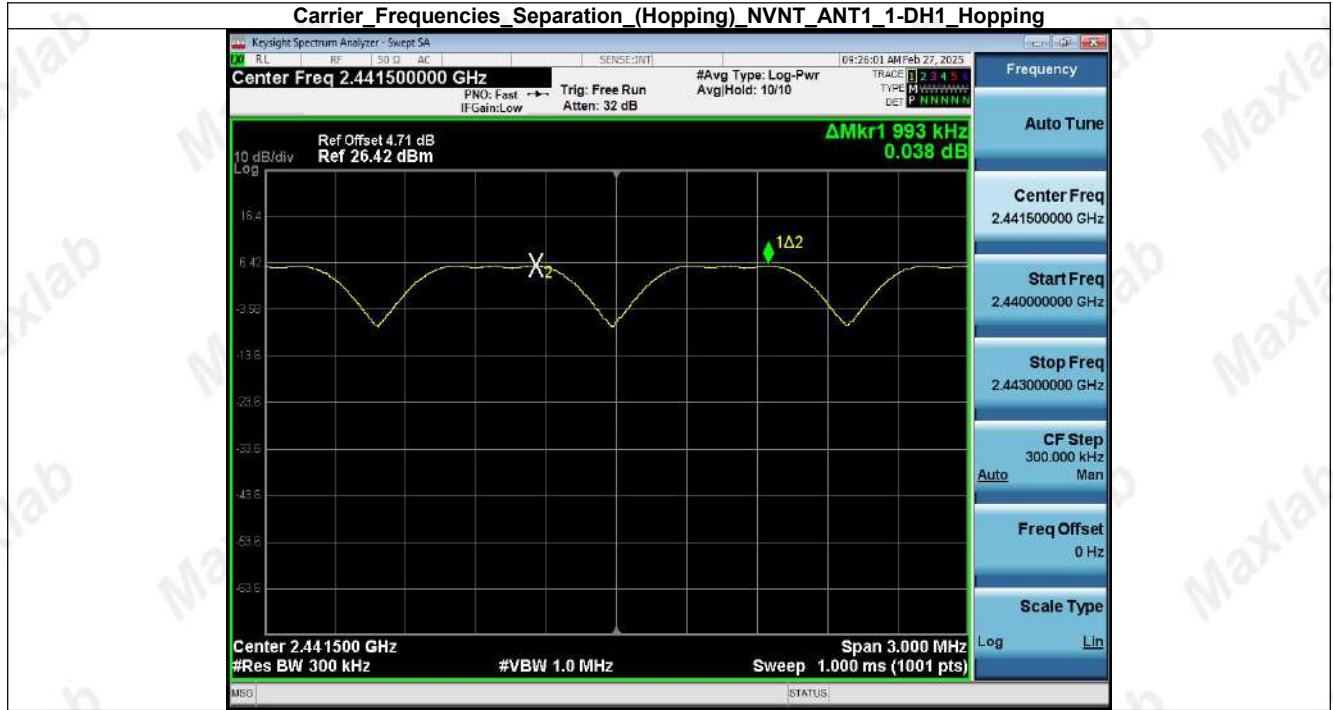
2_Band_Edge_(Hopping)_NVNT_ANT1_3-DH1_Hopping



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	2401.801	2402.797	1.00	0.959	Pass
NVNT	ANT1	1-DH1	2441.00	2441.155	2442.148	0.99	0.959	Pass
NVNT	ANT1	1-DH1	2480.00	2478.810	2479.806	1.00	0.958	Pass
NVNT	ANT1	2-DH1	2402.00	2401.999	2402.989	0.99	0.873	Pass
NVNT	ANT1	2-DH1	2441.00	2440.984	2441.968	0.98	0.872	Pass
NVNT	ANT1	2-DH1	2480.00	2478.978	2479.986	1.01	0.869	Pass
NVNT	ANT1	3-DH1	2402.00	2401.972	2402.977	1.00	0.842	Pass
NVNT	ANT1	3-DH1	2441.00	2440.963	2441.965	1.00	0.829	Pass
NVNT	ANT1	3-DH1	2480.00	2478.987	2479.974	0.99	0.827	Pass







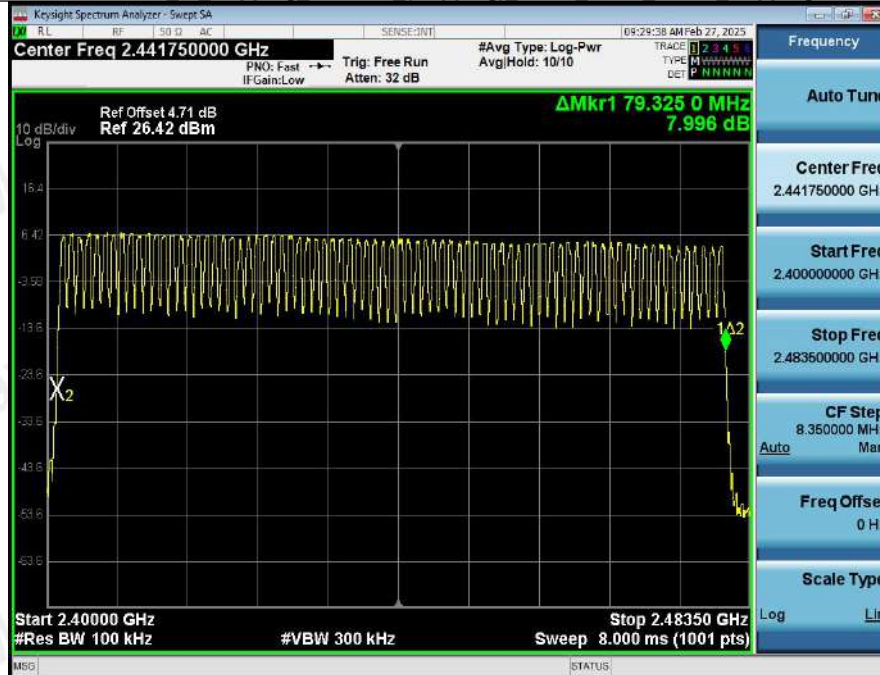




8. Number of Hopping Channel (Hopping)

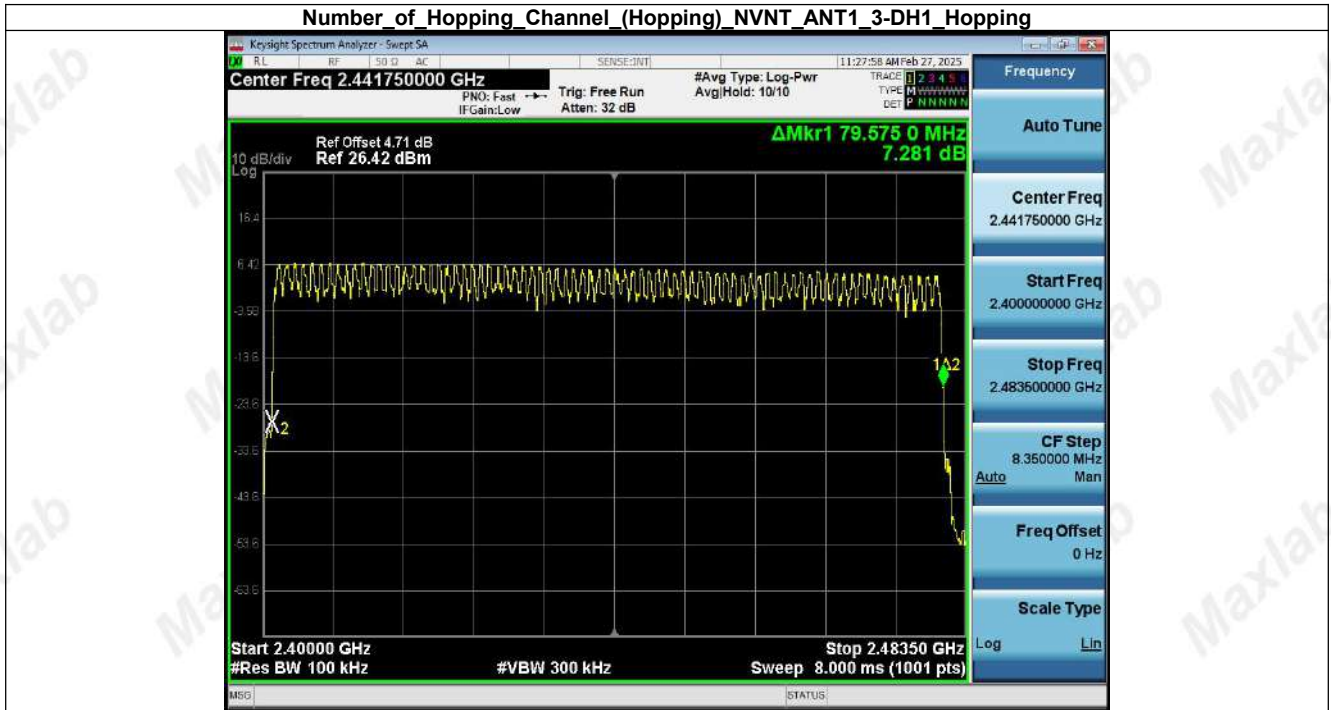
Condition	Antenna	Modulation	Hopping Num	Limit	Result
NVNT	ANT1	1-DH1	79	15	Pass
NVNT	ANT1	2-DH1	79	15	Pass
NVNT	ANT1	3-DH1	79	15	Pass

Number of Hopping Channel (Hopping) NVNT ANT1 1-DH1 Hopping



Number of Hopping Channel (Hopping) NVNT ANT1 2-DH1 Hopping

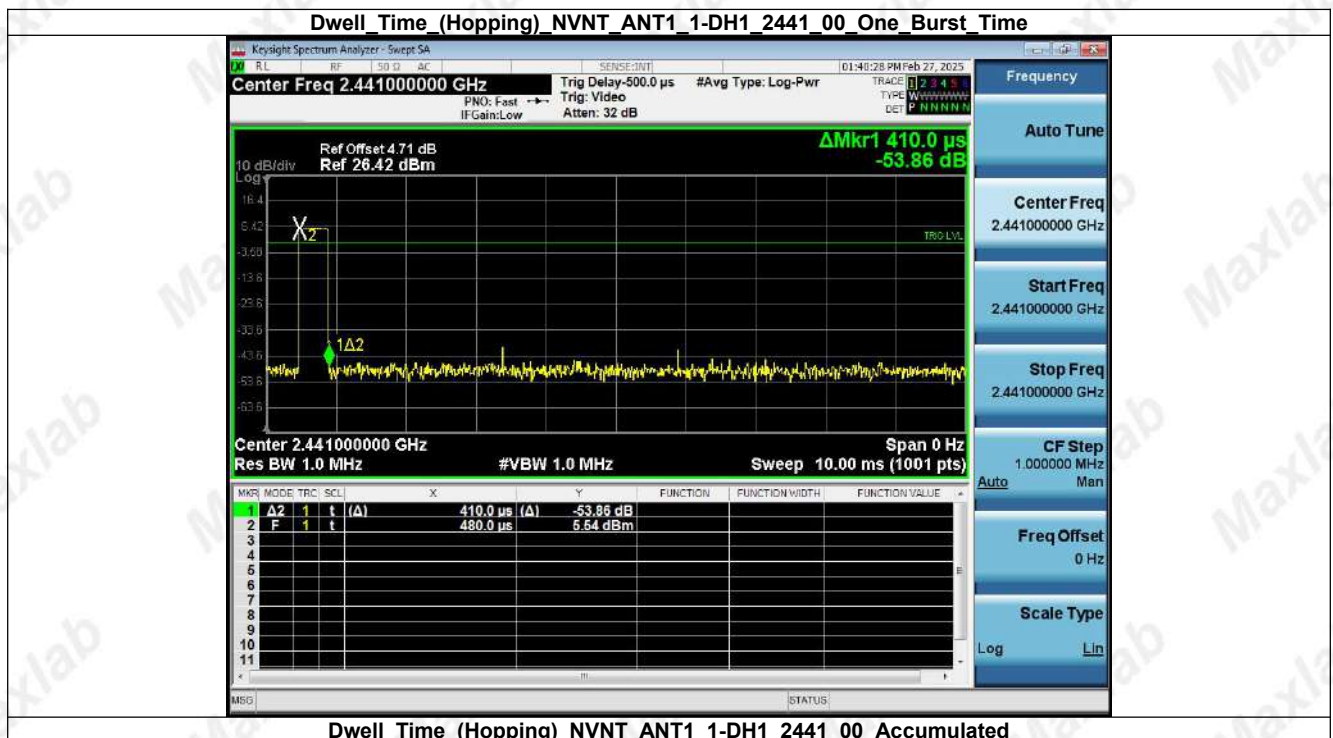




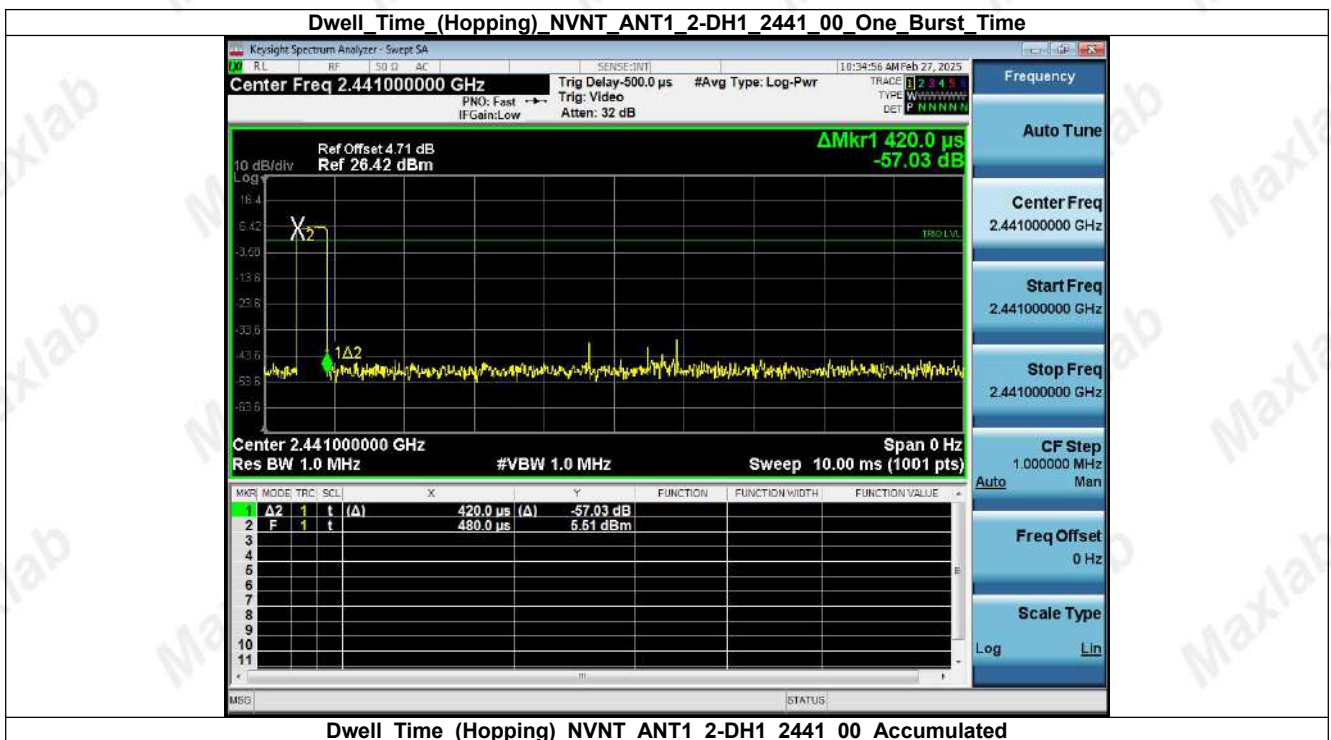
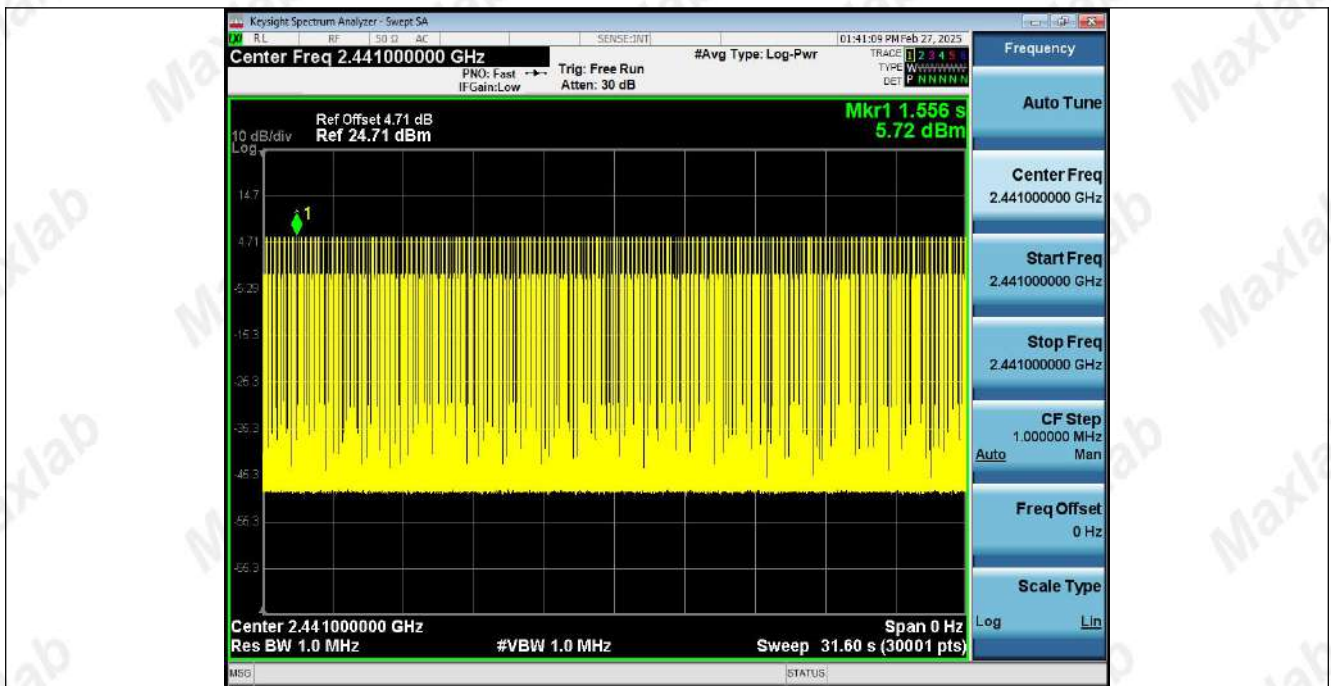
9. Dwell Time (Hopping)

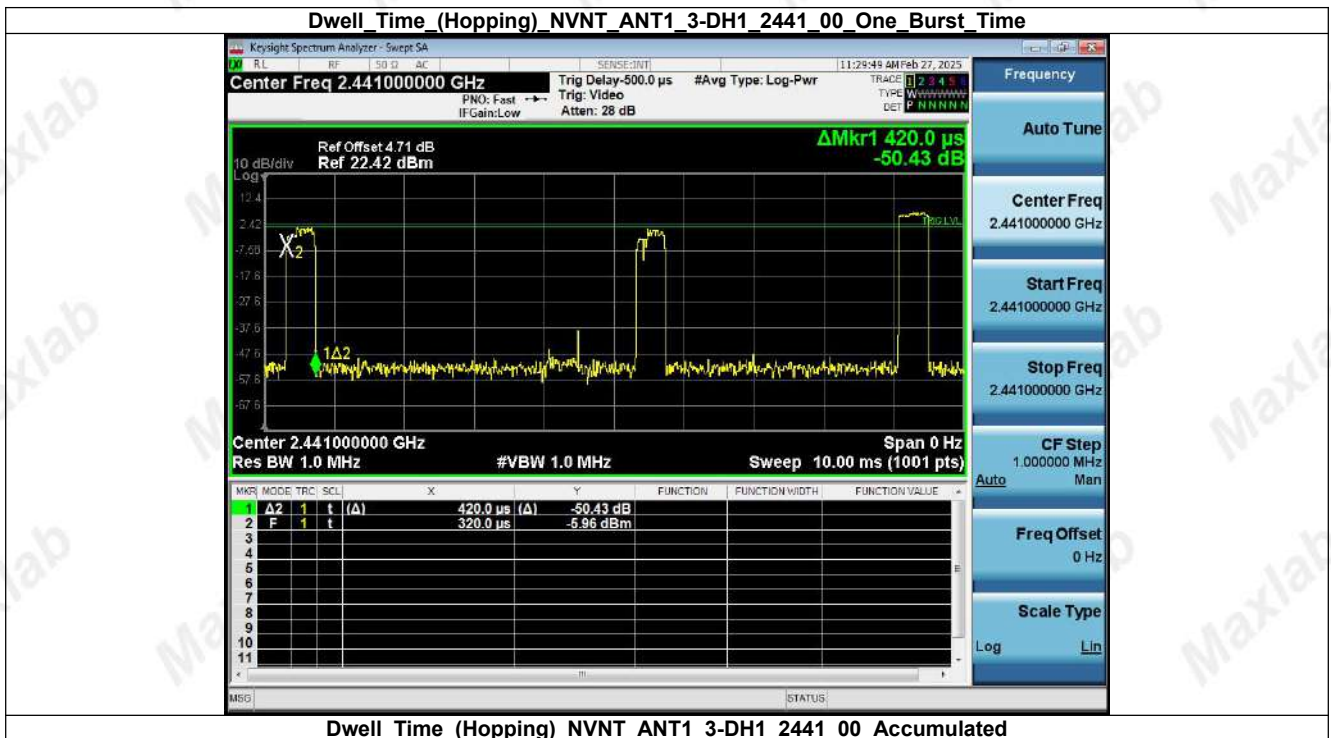
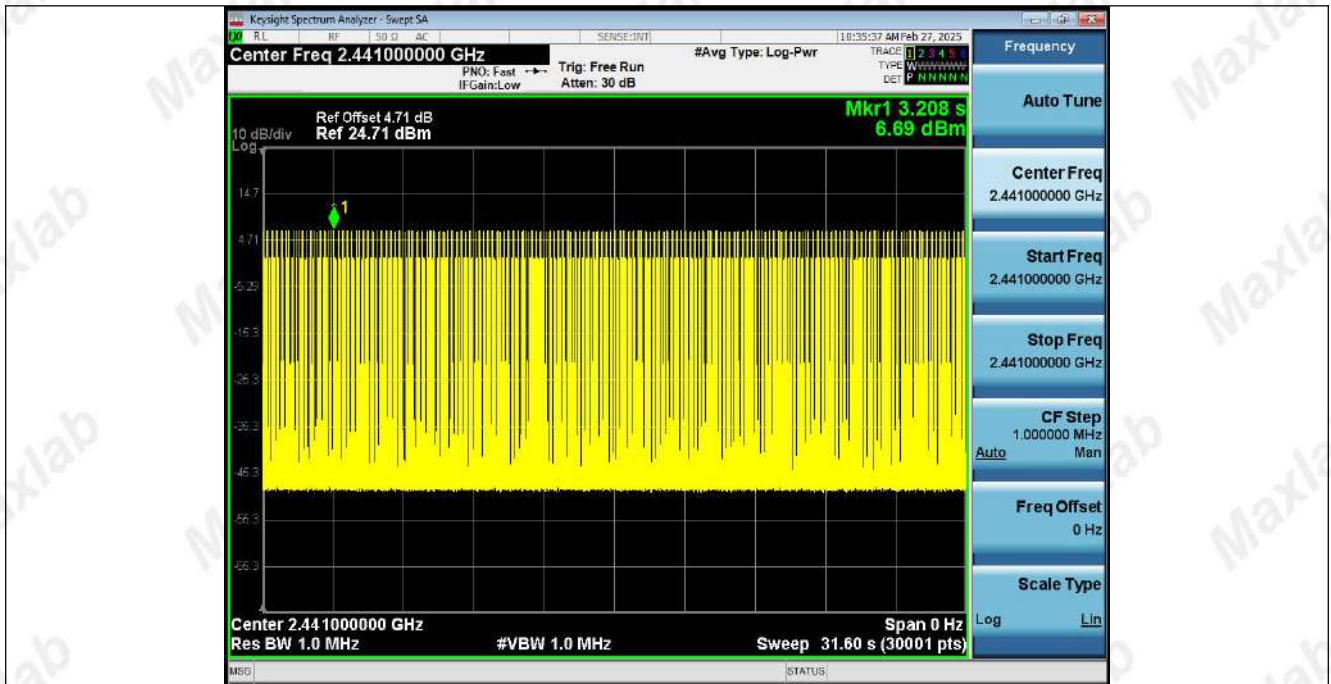
Condition	Antenna	Packet Type	Pulse Time(ms)	Hops	Dwell Time(ms)	Limit(s)	Result
NVNT	ANT1	1-DH1	0.410	320.00	131.200	0.40	Pass
NVNT	ANT1	2-DH1	0.420	319.00	133.980	0.40	Pass
NVNT	ANT1	3-DH1	0.420	320.00	134.400	0.40	Pass
NVNT	ANT1	1-DH3	1.670	161.00	268.870	0.40	Pass
NVNT	ANT1	1-DH5	2.920	98.00	286.160	0.40	Pass
NVNT	ANT1	2-DH3	1.680	160.00	268.800	0.40	Pass
NVNT	ANT1	2-DH5	2.920	103.00	300.760	0.40	Pass
NVNT	ANT1	3-DH3	1.670	169.00	282.230	0.40	Pass
NVNT	ANT1	3-DH5	2.910	96.00	279.360	0.40	Pass

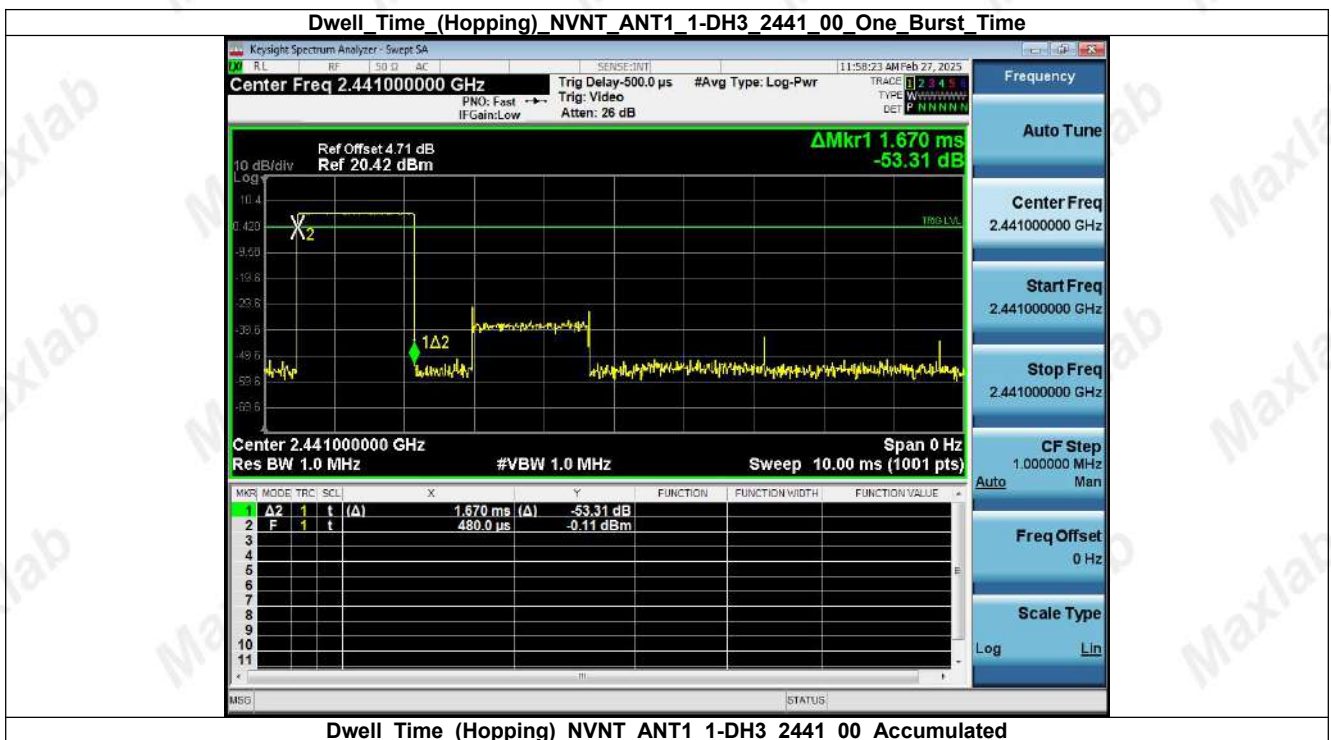
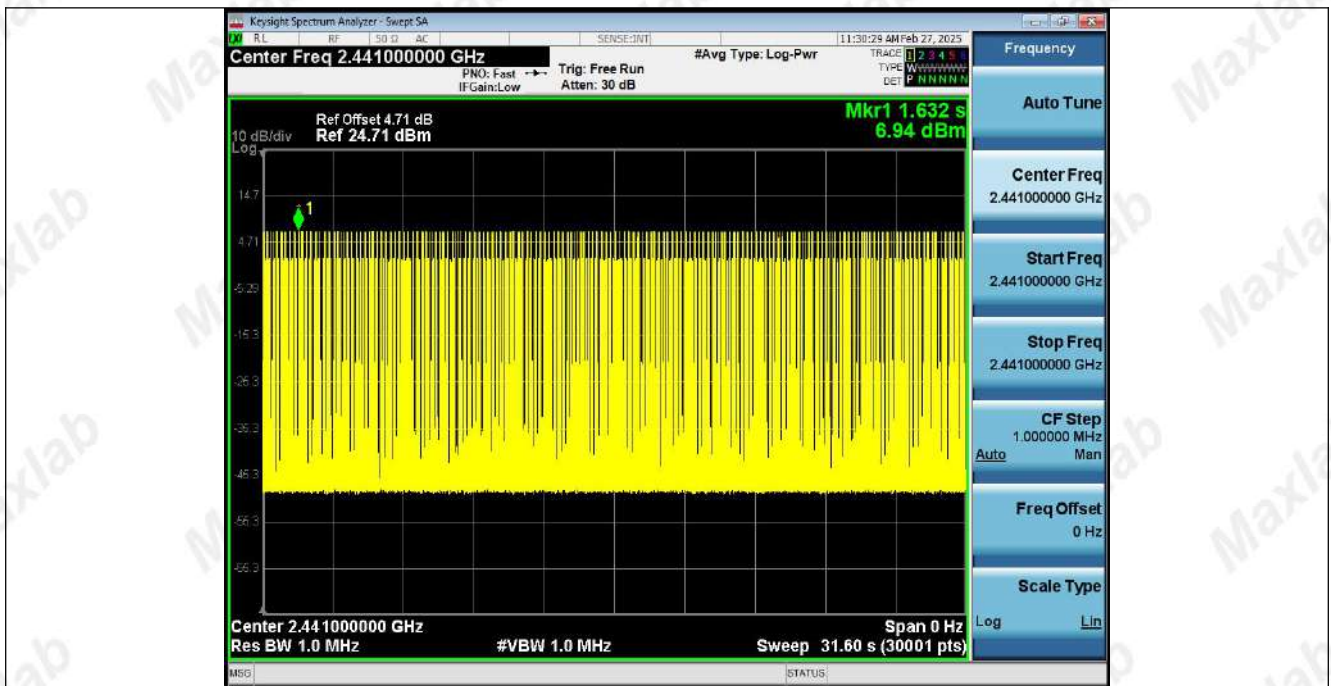
Dwell Time (Hopping) NVNT ANT1 1-DH1 2441 00 One Burst Time

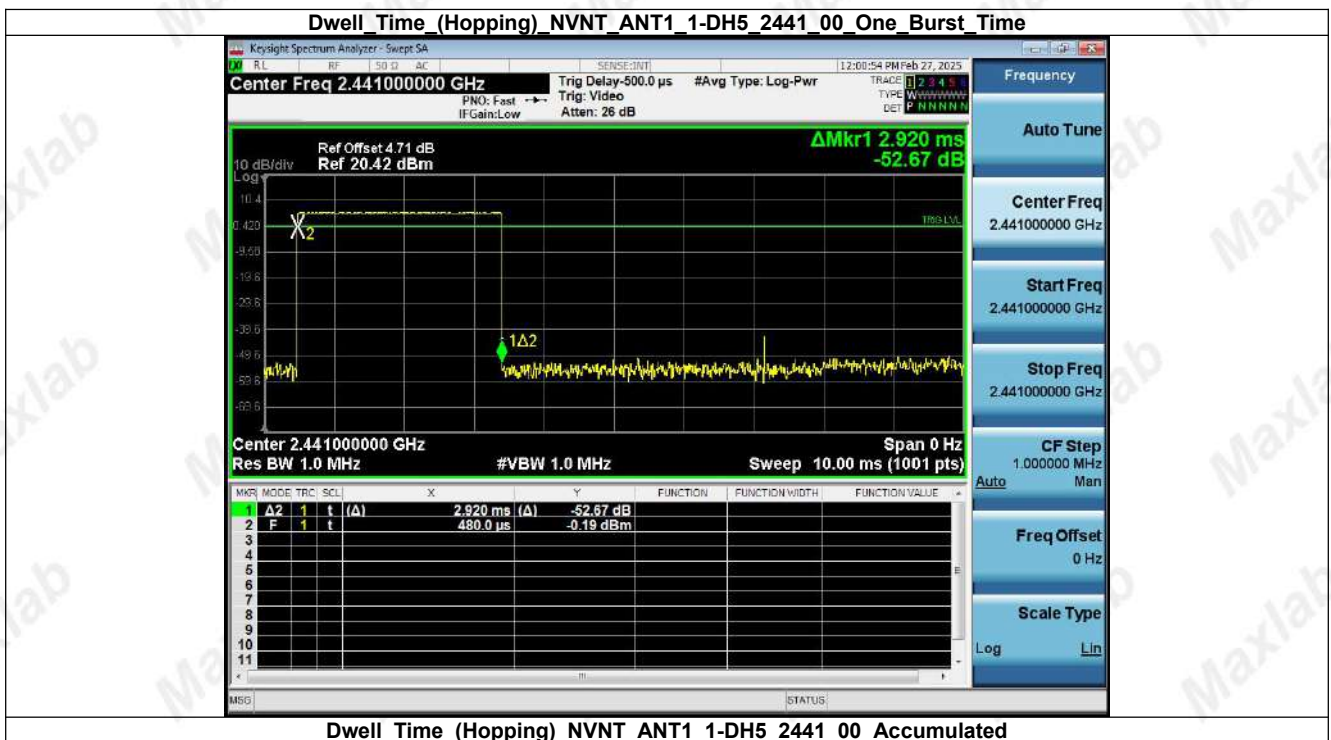
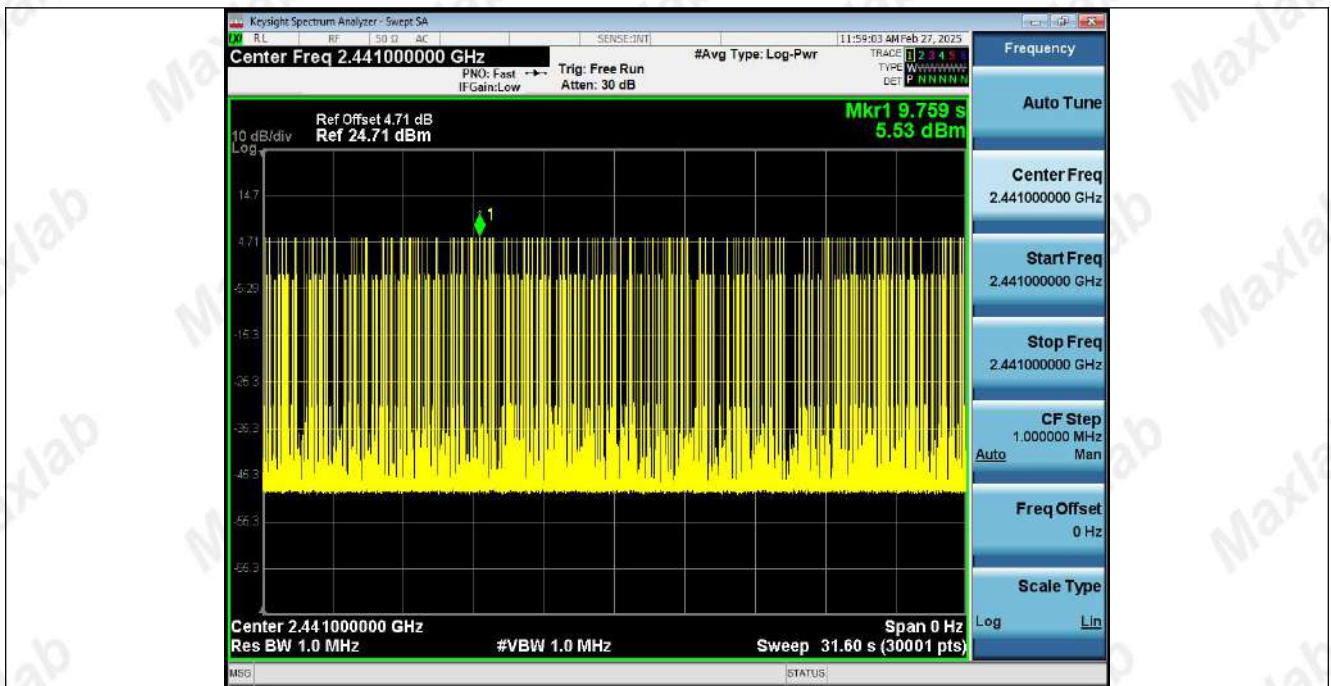


Dwell Time (Hopping) NVNT ANT1 1-DH1 2441 00 Accumulated

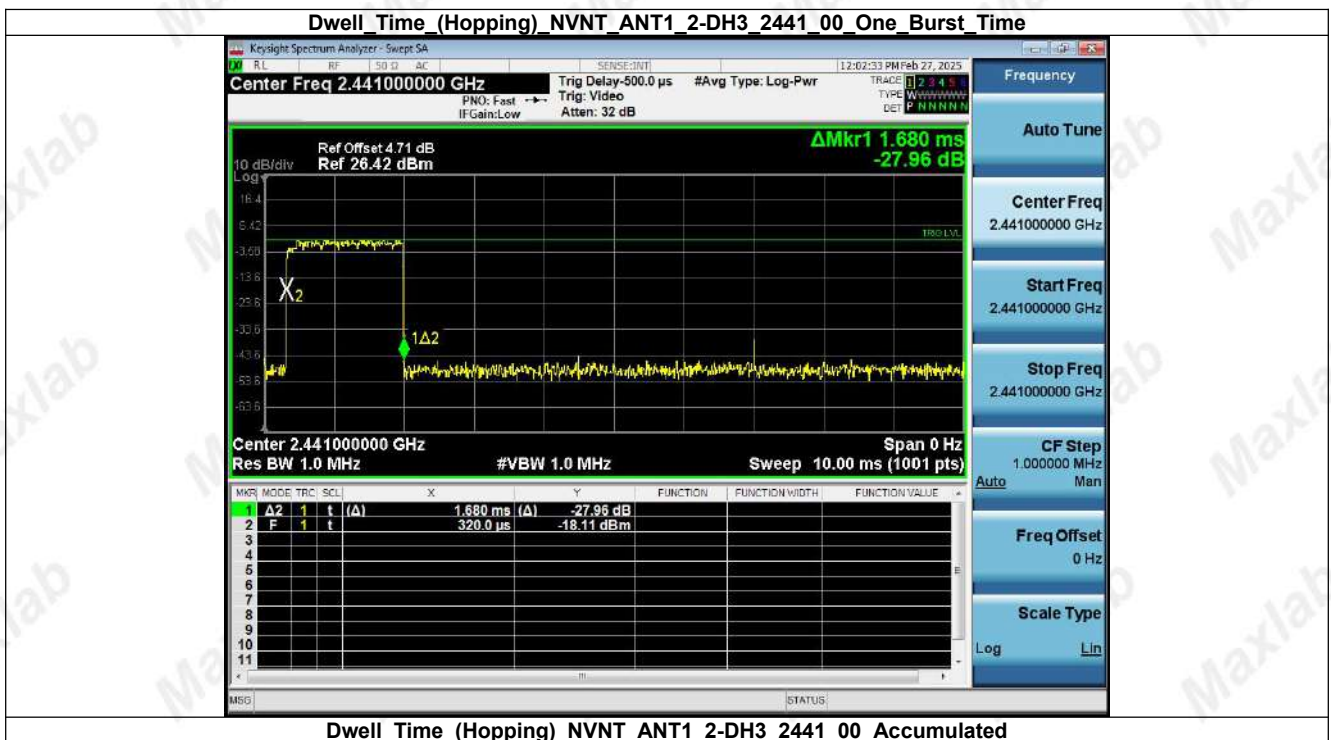
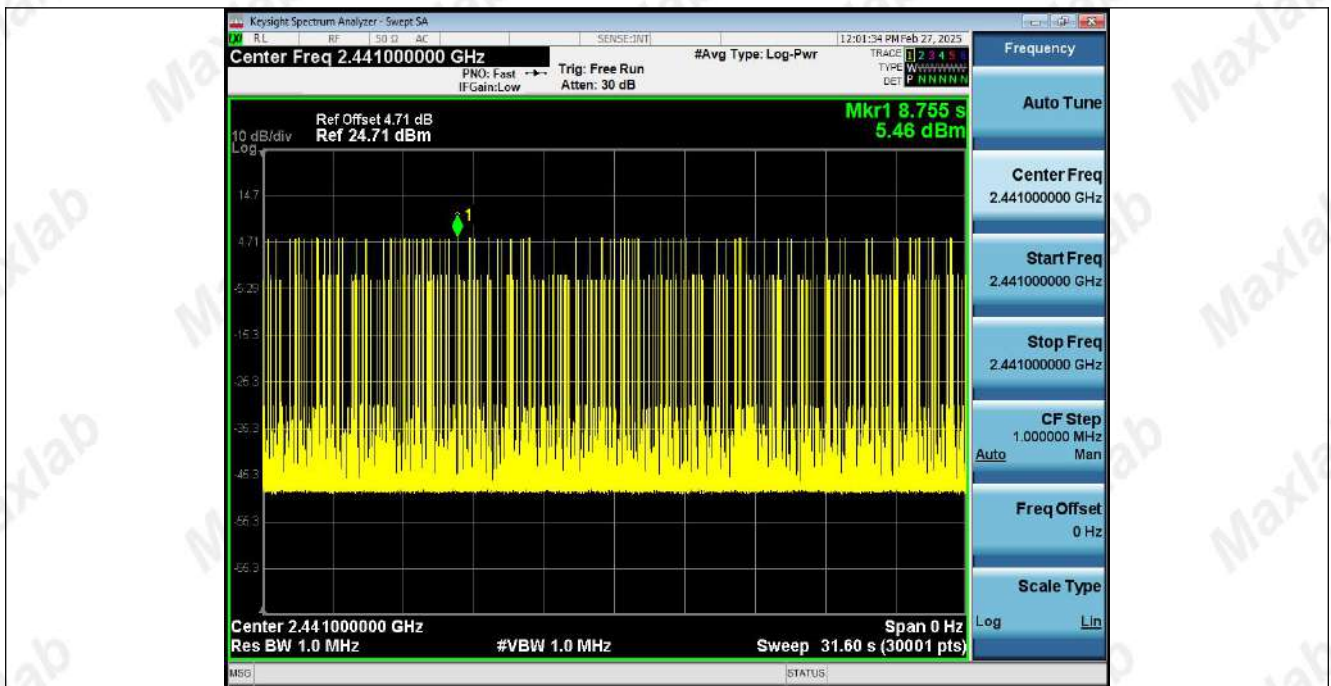




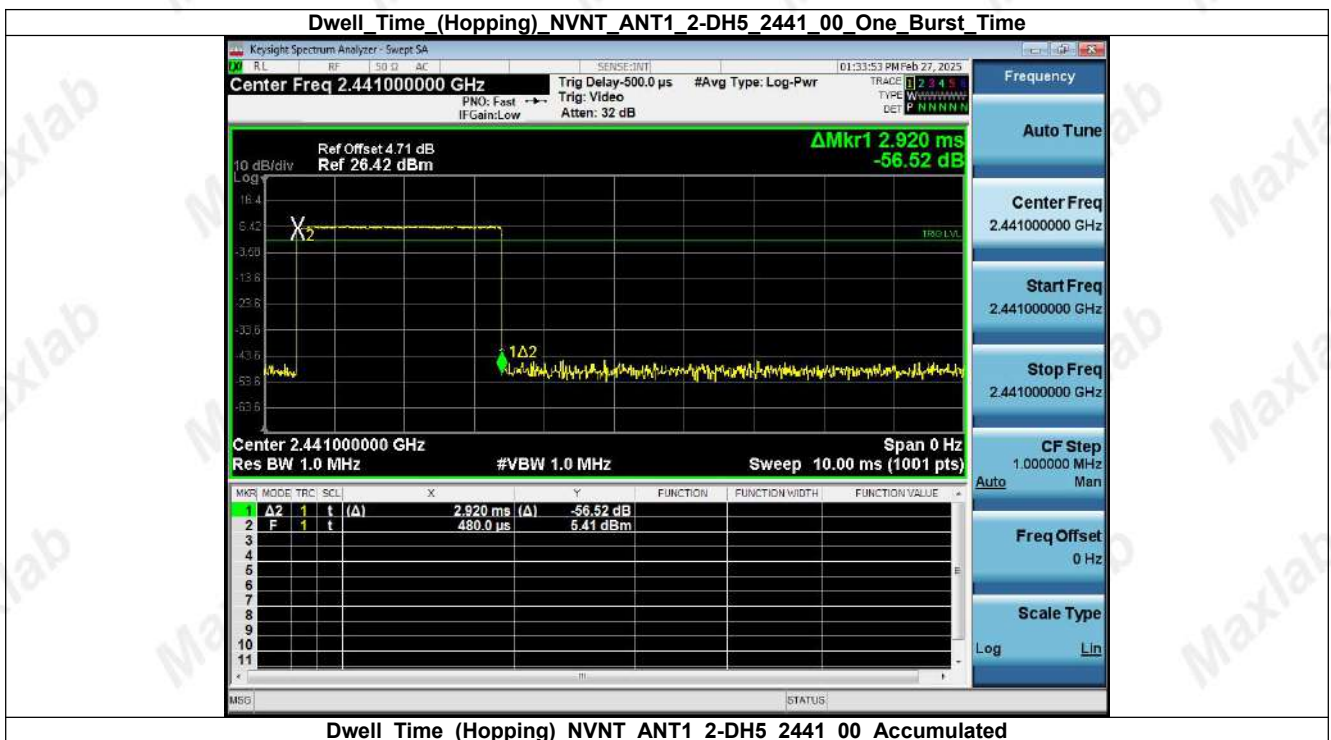
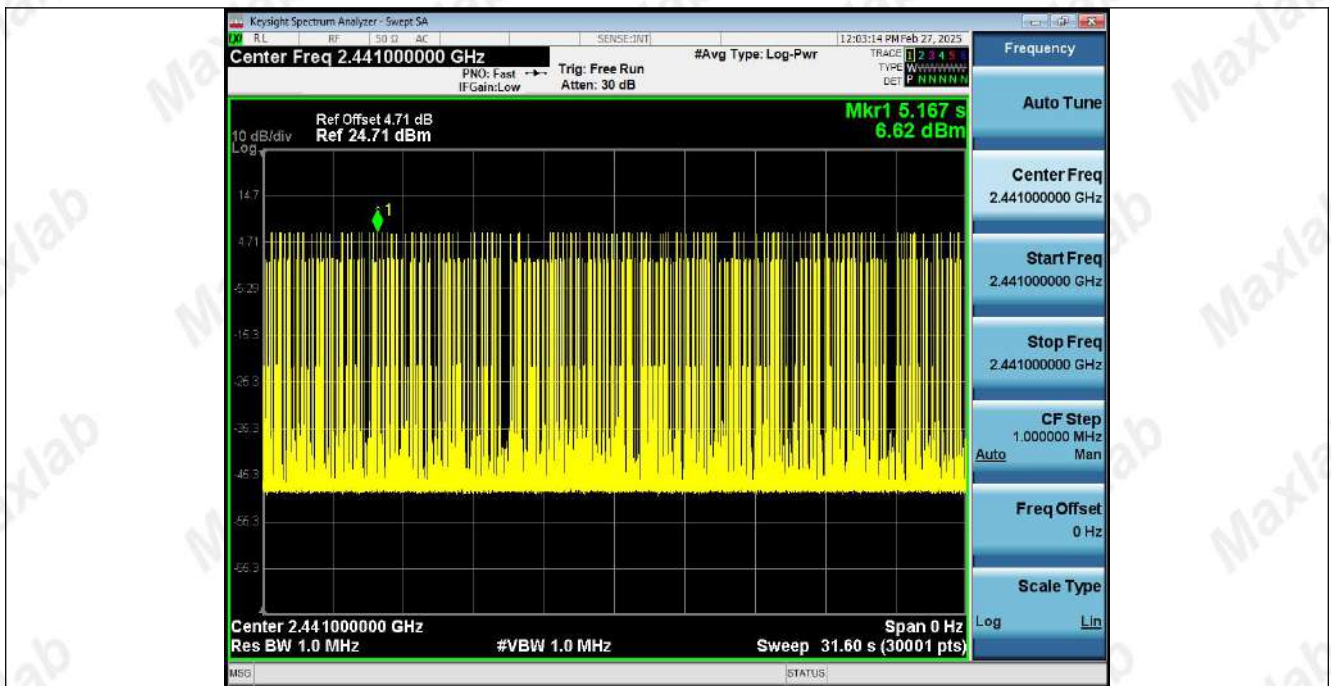


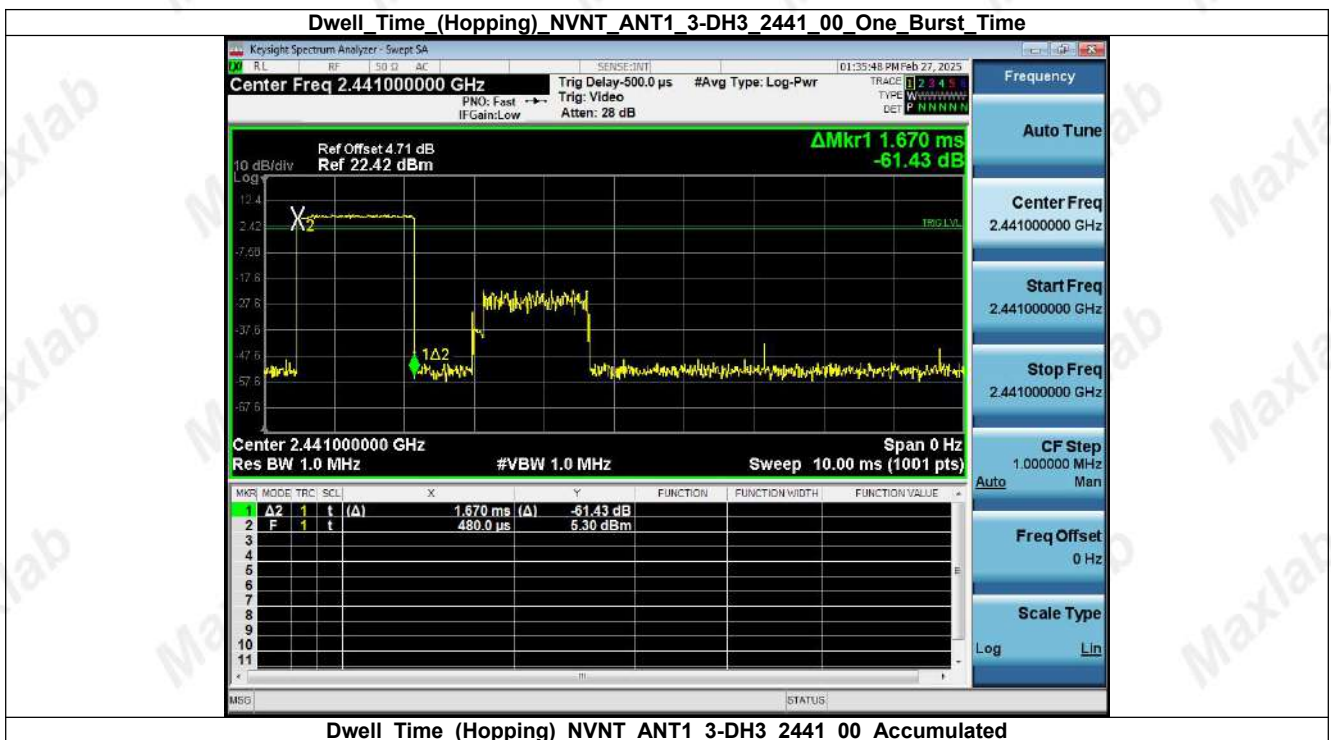
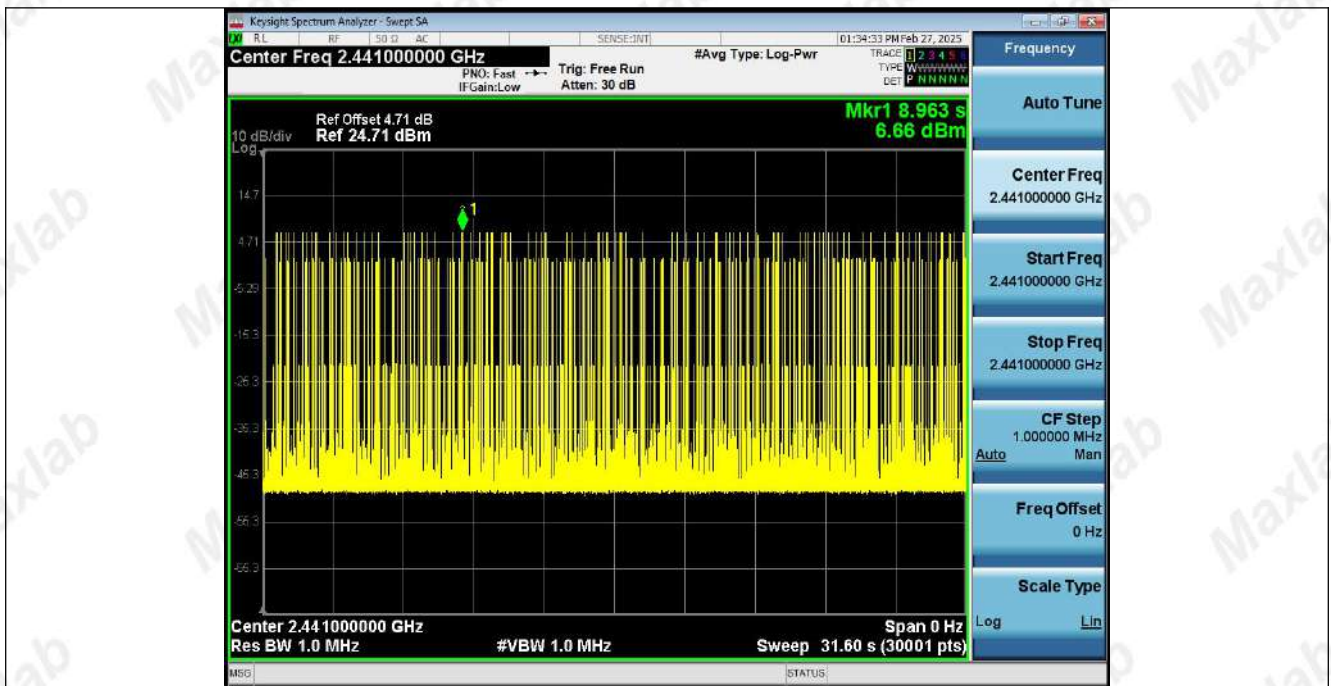


Dwell Time (Hopping) NVNT_ANT1_1-DH5_2441_00_Accumulated

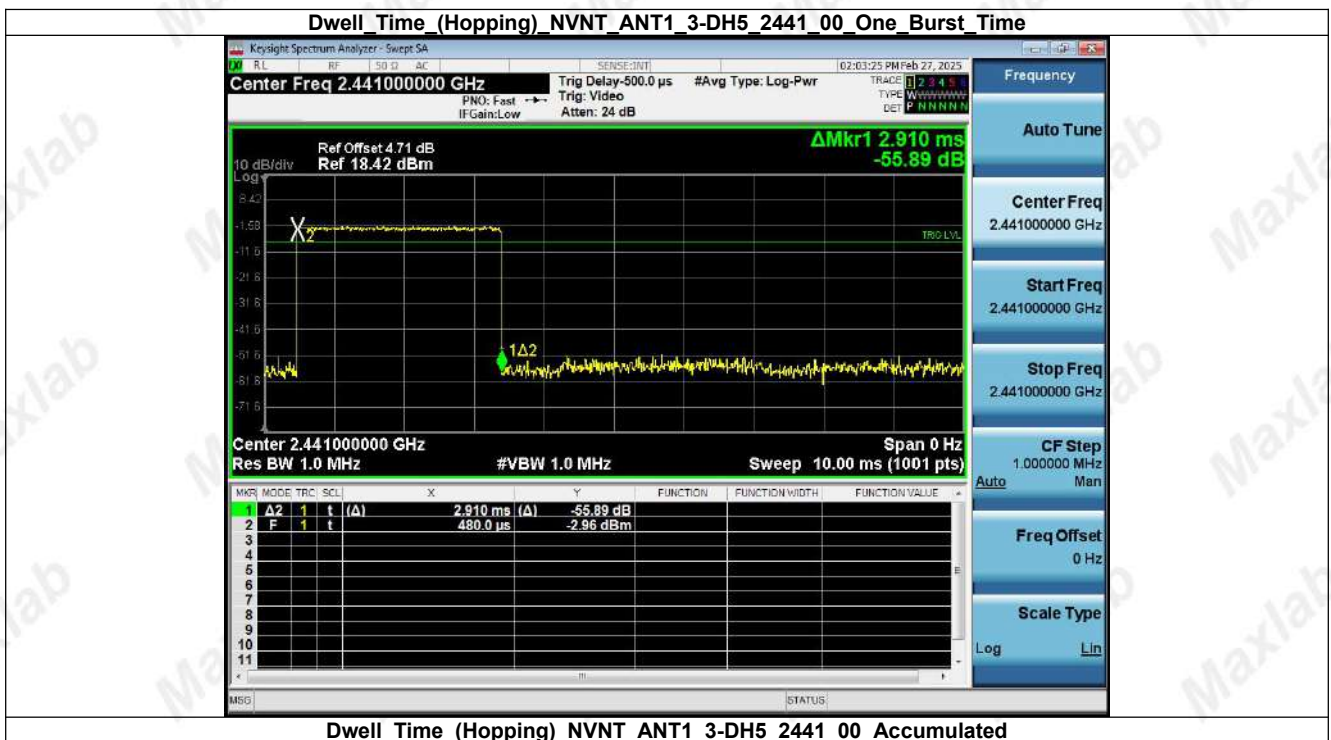
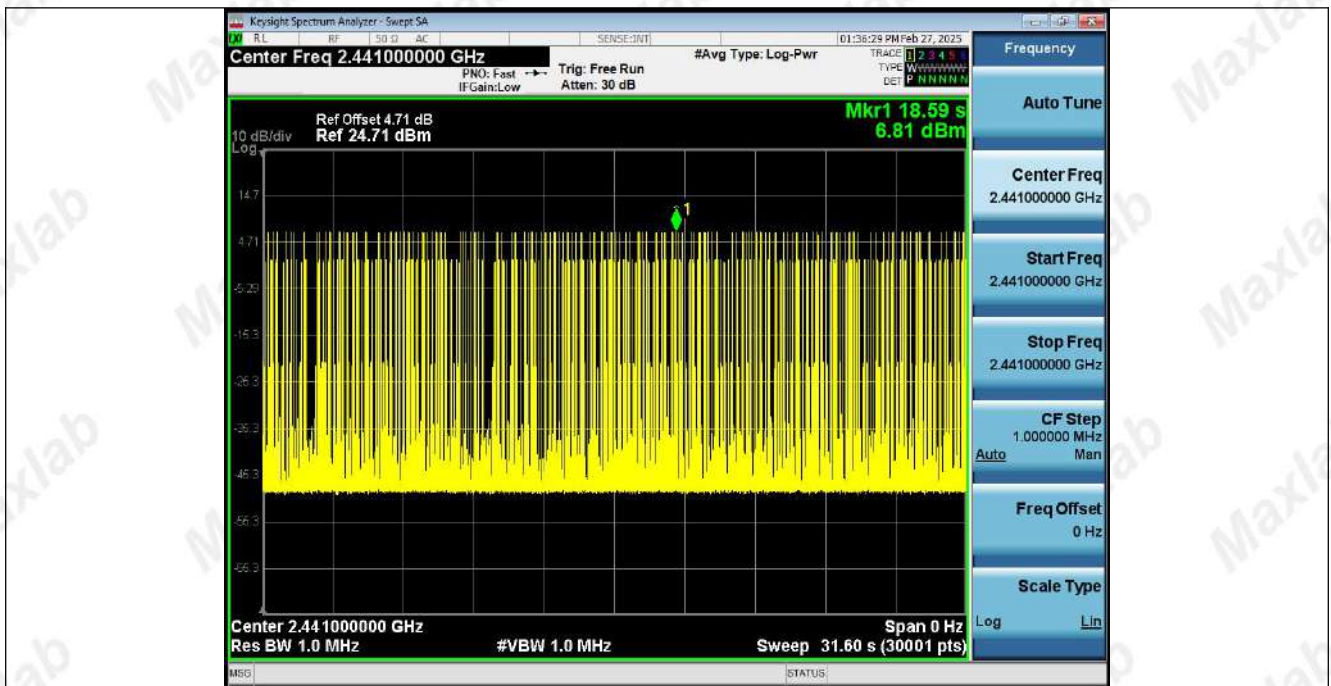


Dwell Time (Hopping) NVNT_ANT1_2-DH3_2441_00_Accumulated





Dwell Time (Hopping) NVNT_ANT1_3-DH3_2441_00_Accumulated



Dwell Time (Hopping) NVNT_ANT1_3-DH5_2441_00_Accumulated

