

FCC TEST DATA

FCC ID: 2A5N2-A39

Product: Bluetooth headset

Model Name : A39

Left Earphone

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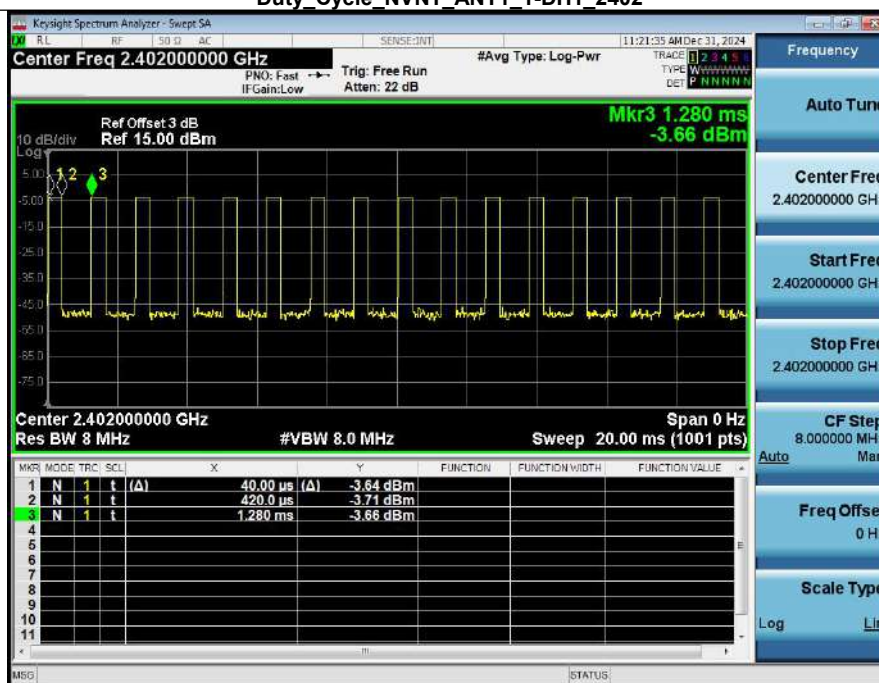
FCC ID EDR

FCC_BT (Part15.247) Test Data

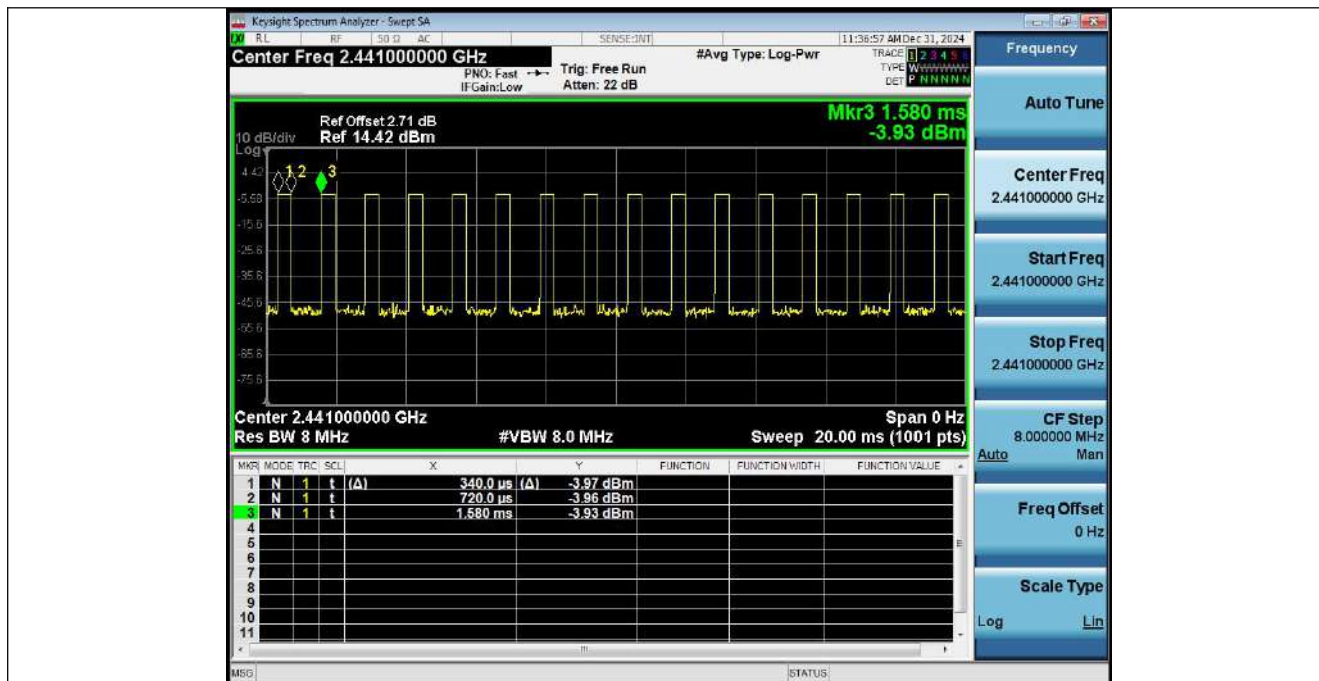
1. Duty Cycle

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

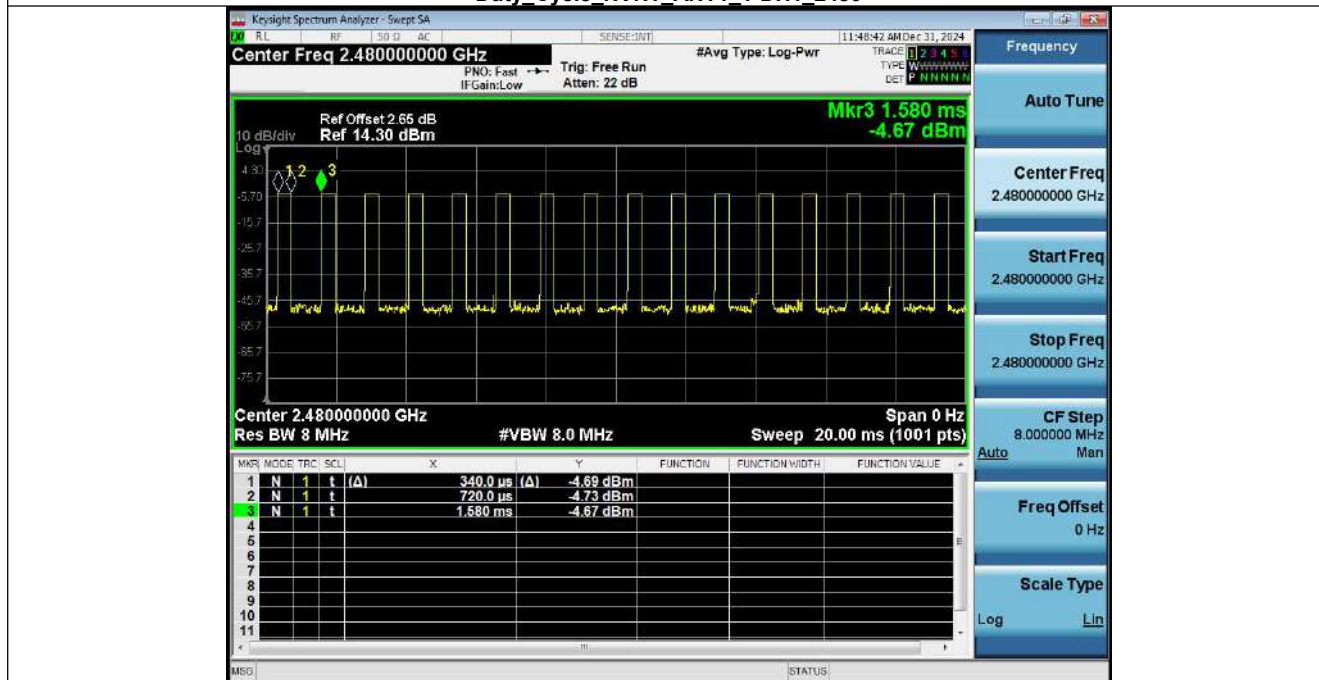
Duty_Cycle_NVNT_ANT1_1-DH1_2402



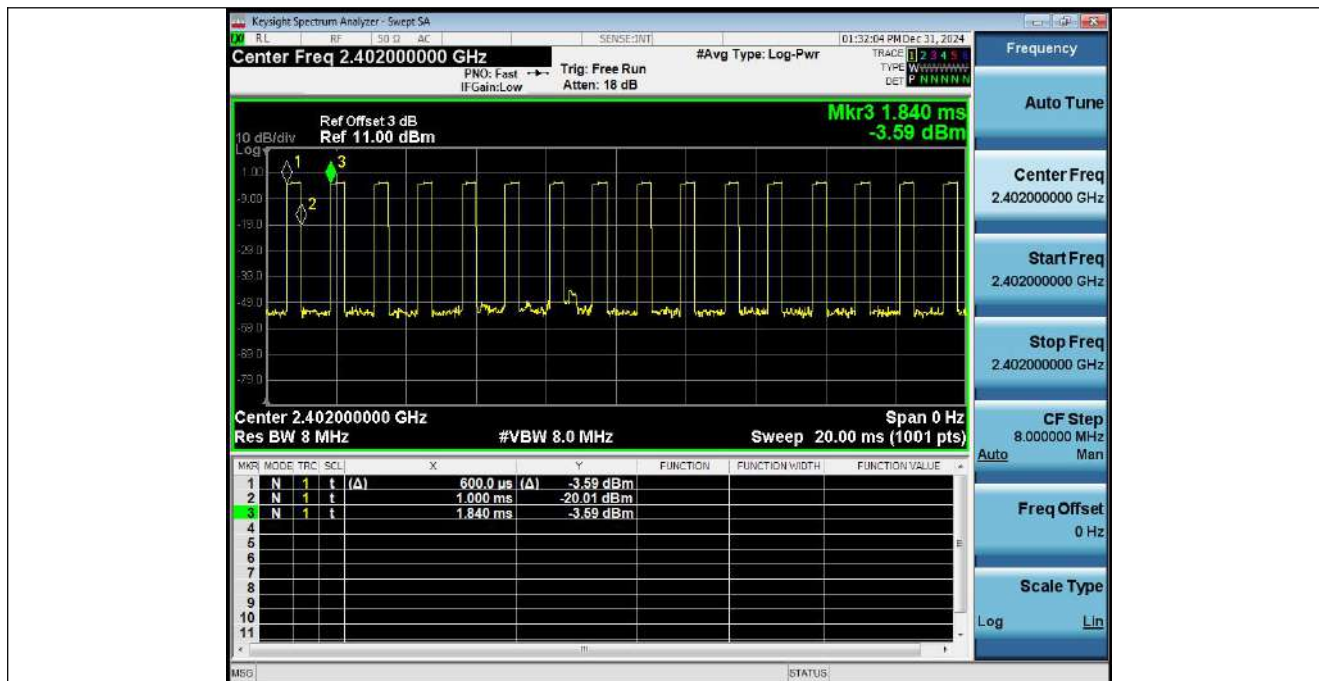
Duty_Cycle_NVNT_ANT1_1-DH1_2441



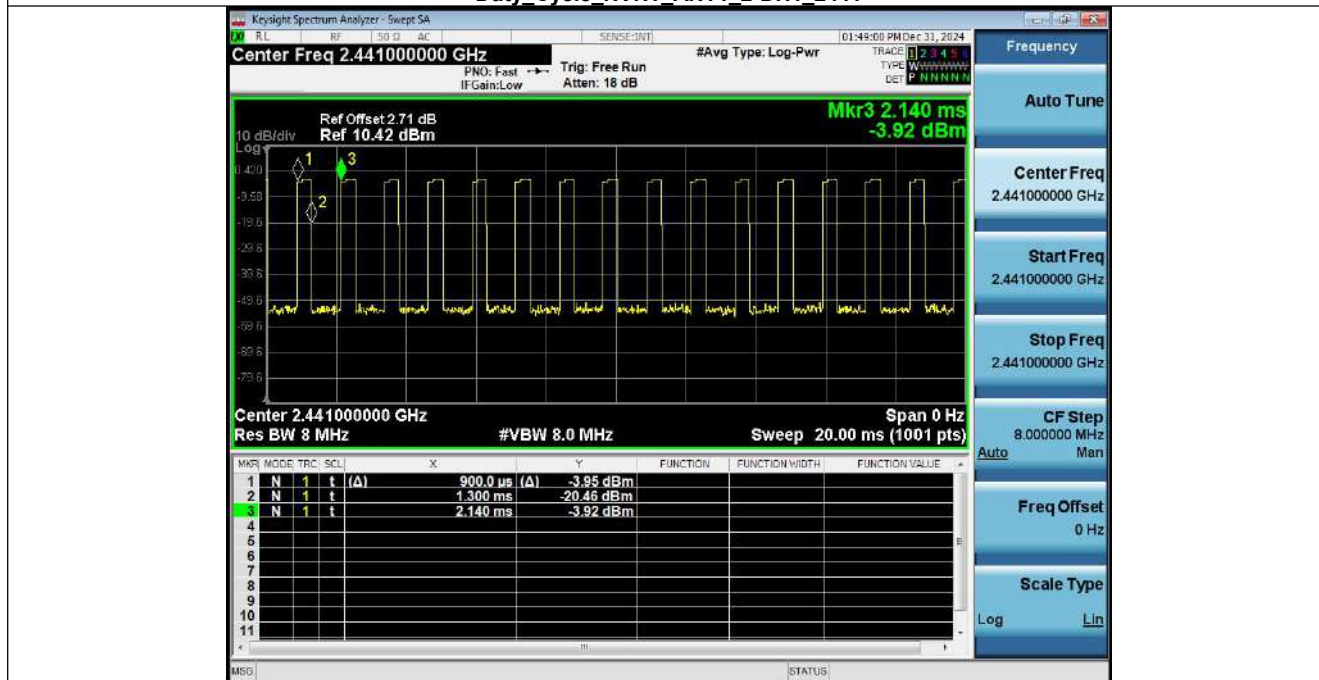
Duty Cycle_NVNT_ANT1 1-DH1_2480



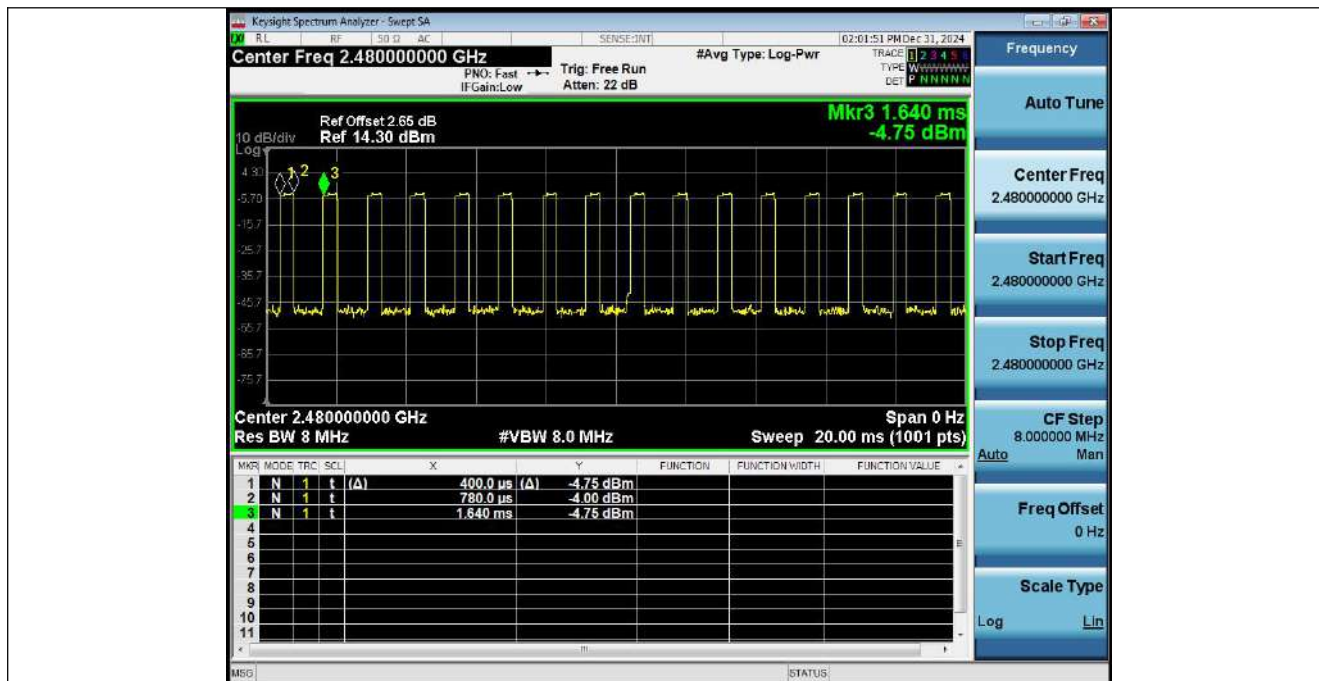
Duty Cycle_NVNT_ANT1 2-DH1_2402



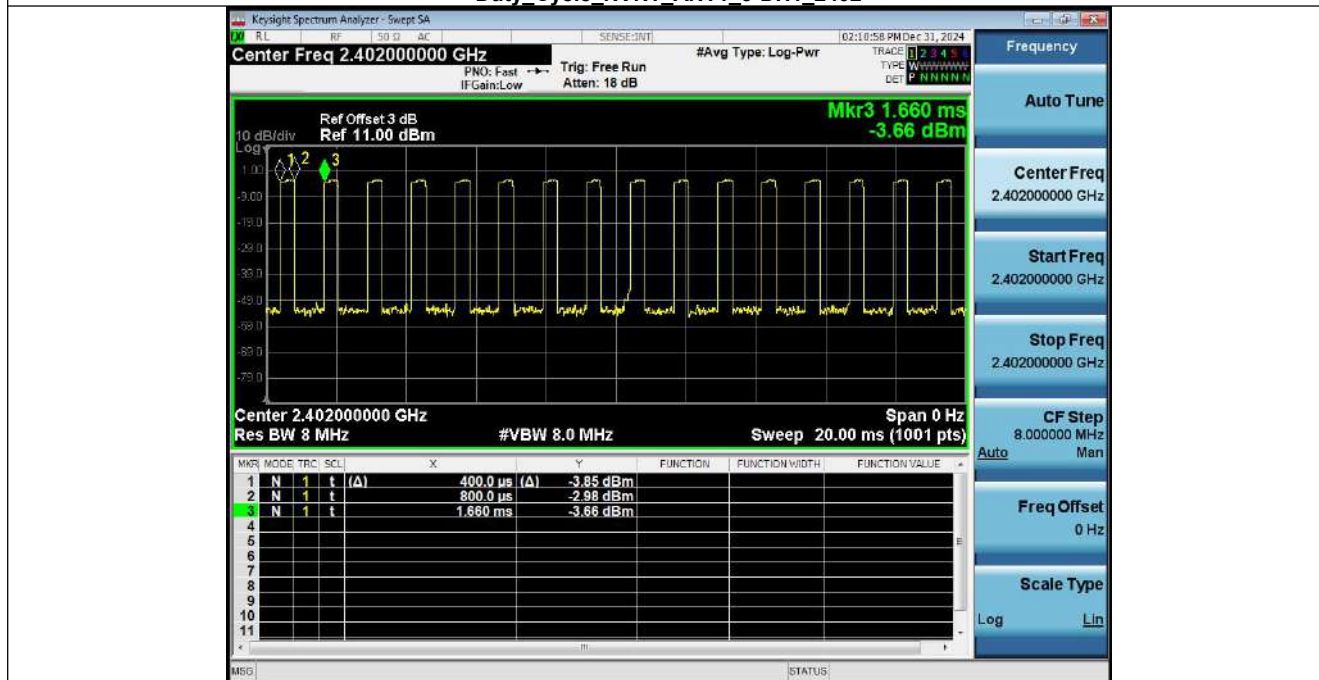
Duty Cycle_NVNT_ANT1_2-DH1_2441



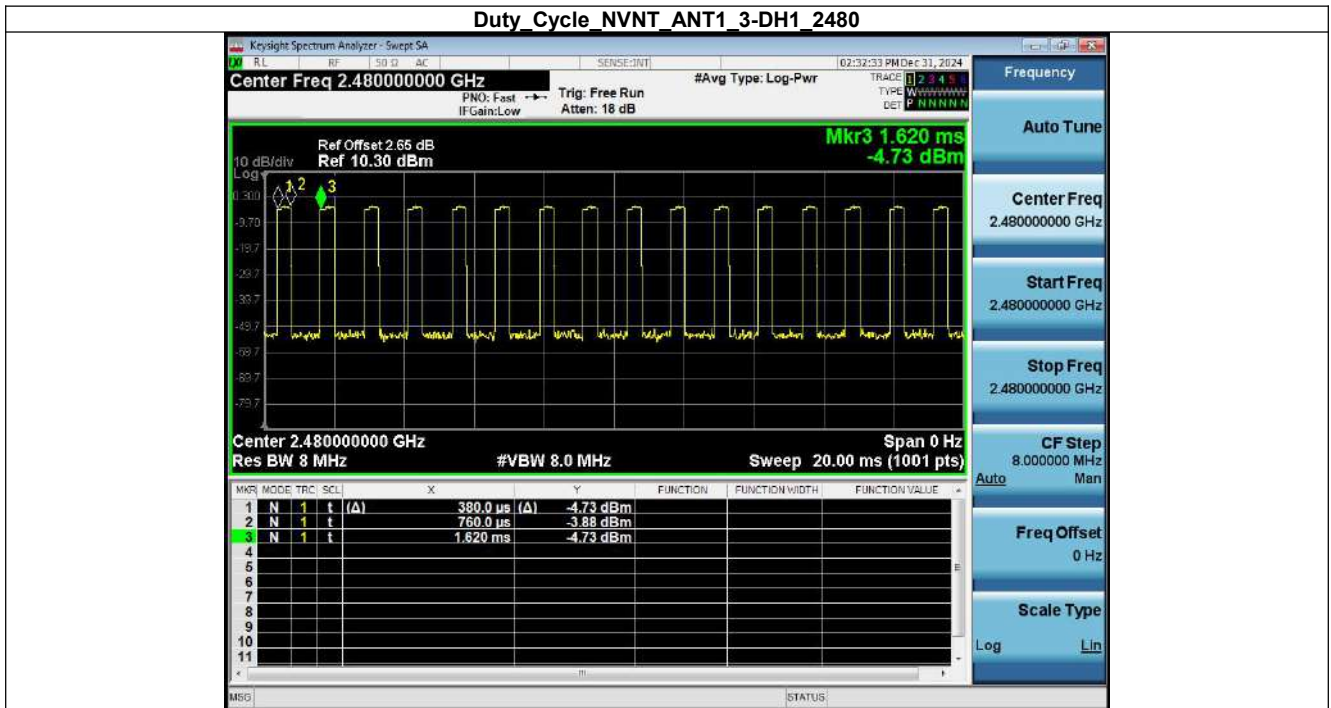
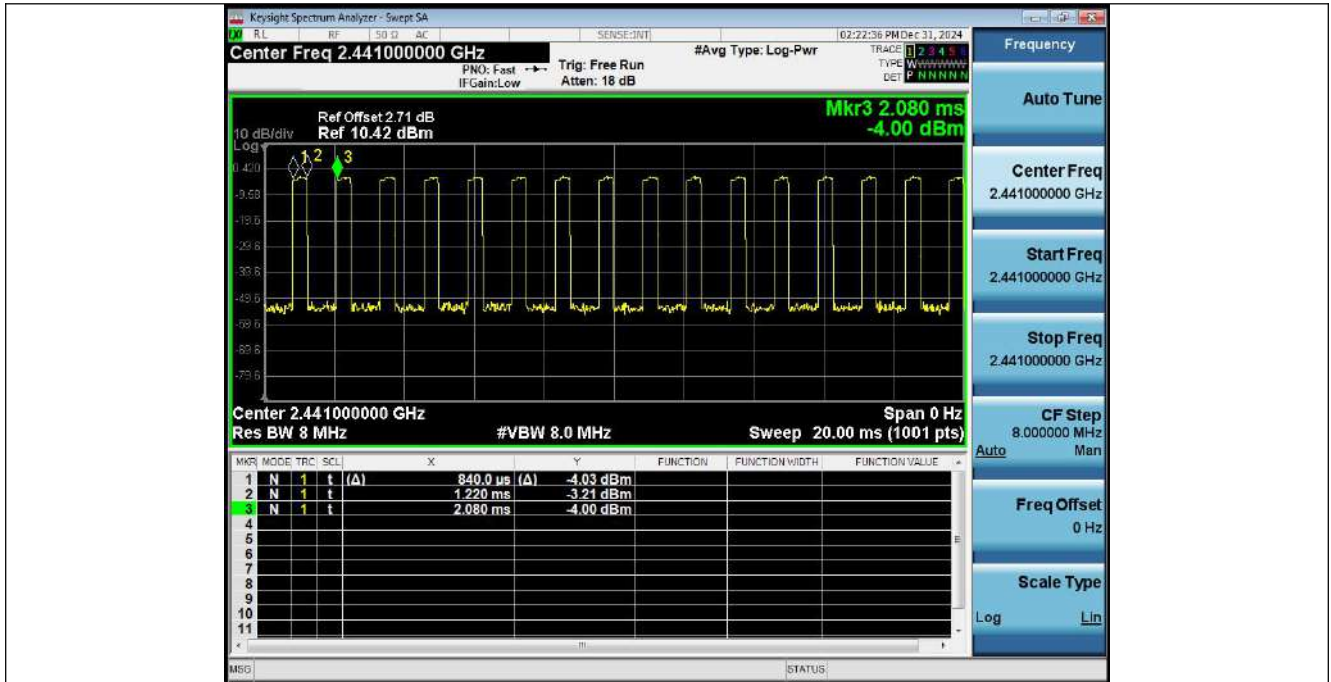
Duty Cycle_NVNT_ANT1_2-DH1_2480



Duty Cycle_NVNT_ANT1_3-DH1_2402

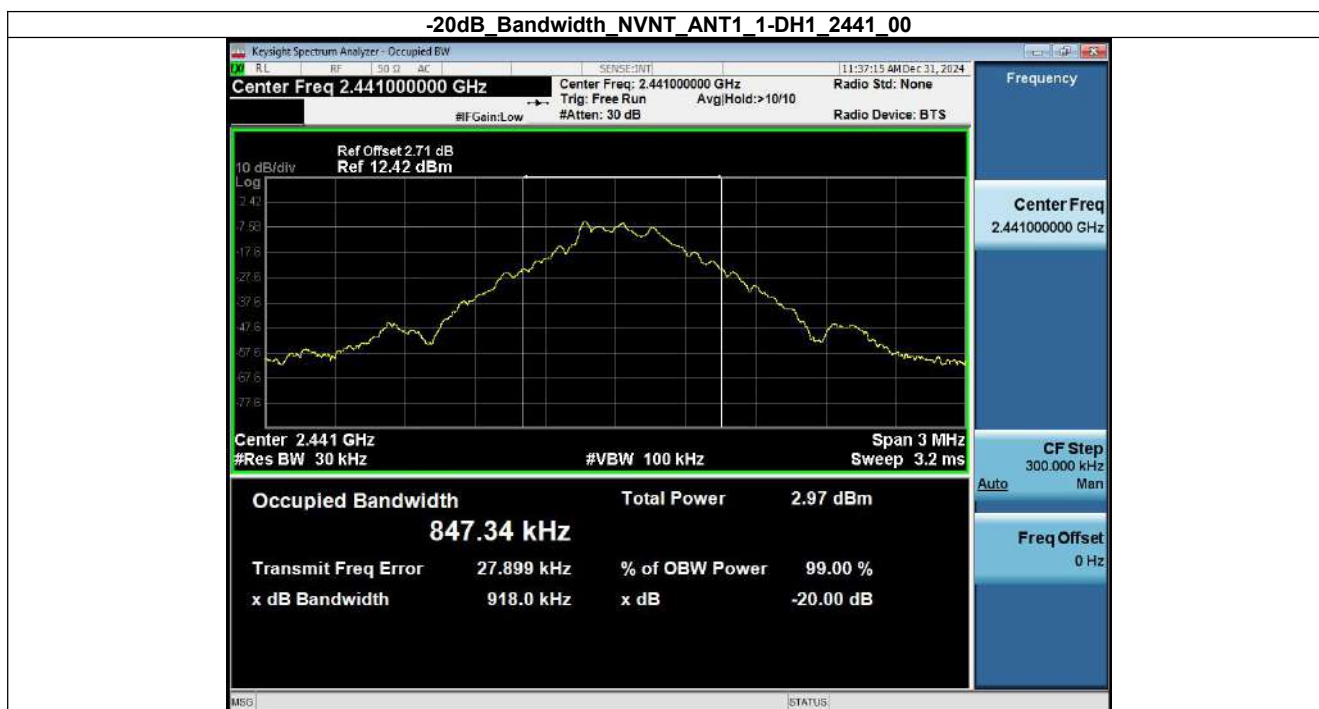


Duty Cycle_NVNT_ANT1_3-DH1_2441



2. -20dB Bandwidth

Condition	Antenna	Modulation	Frequency (MHz)	-20dB BW(MHz)	if larger than CFS
NVNT	ANT1	1-DH1	2402.00	0.877	No
NVNT	ANT1	1-DH1	2441.00	0.918	No
NVNT	ANT1	1-DH1	2480.00	0.924	No
NVNT	ANT1	2-DH1	2402.00	1.269	Yes
NVNT	ANT1	2-DH1	2441.00	1.276	Yes
NVNT	ANT1	2-DH1	2480.00	1.273	Yes
NVNT	ANT1	3-DH1	2402.00	1.226	Yes
NVNT	ANT1	3-DH1	2441.00	1.226	Yes
NVNT	ANT1	3-DH1	2480.00	1.254	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

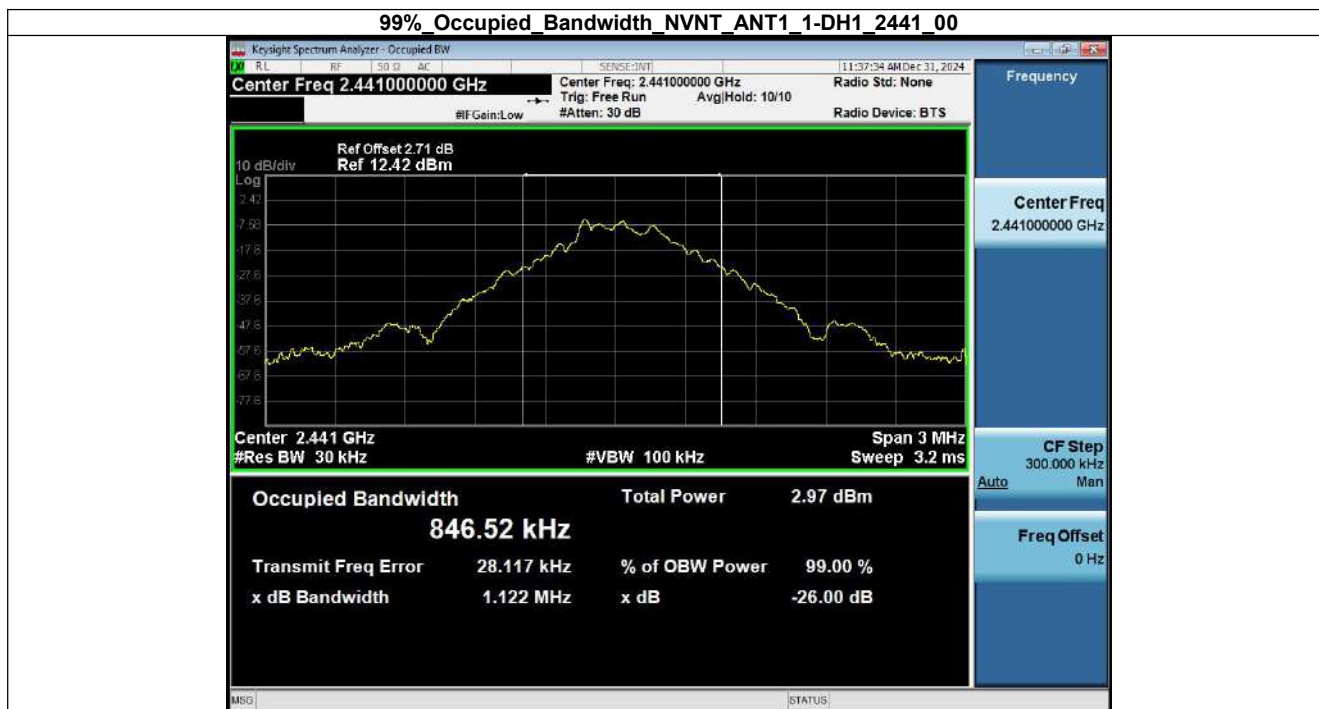


-20dB_Bandwidth_NVNT_ANT1_3-DH1_2480_00



3. 99% Occupied Bandwidth

Condition	Antenna	Modulation	Frequency (MHz)	99% BW (MHz)
NVNT	ANT1	1-DH1	2402.00	0.836
NVNT	ANT1	1-DH1	2441.00	0.847
NVNT	ANT1	1-DH1	2480.00	0.852
NVNT	ANT1	2-DH1	2402.00	1.173
NVNT	ANT1	2-DH1	2441.00	1.174
NVNT	ANT1	2-DH1	2480.00	1.175
NVNT	ANT1	3-DH1	2402.00	1.150
NVNT	ANT1	3-DH1	2441.00	1.156
NVNT	ANT1	3-DH1	2480.00	1.157



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	-3.66	0.43	1000	Pass
NVNT	ANT1	1-DH1	2441.00	-3.92	0.41	1000	Pass
NVNT	ANT1	1-DH1	2480.00	-4.62	0.35	1000	Pass
NVNT	ANT1	2-DH1	2402.00	-2.91	0.51	125	Pass
NVNT	ANT1	2-DH1	2441.00	-3.14	0.49	125	Pass
NVNT	ANT1	2-DH1	2480.00	-3.93	0.40	125	Pass
NVNT	ANT1	3-DH1	2402.00	-2.42	0.57	125	Pass
NVNT	ANT1	3-DH1	2441.00	-2.63	0.55	125	Pass
NVNT	ANT1	3-DH1	2480.00	-3.31	0.47	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_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



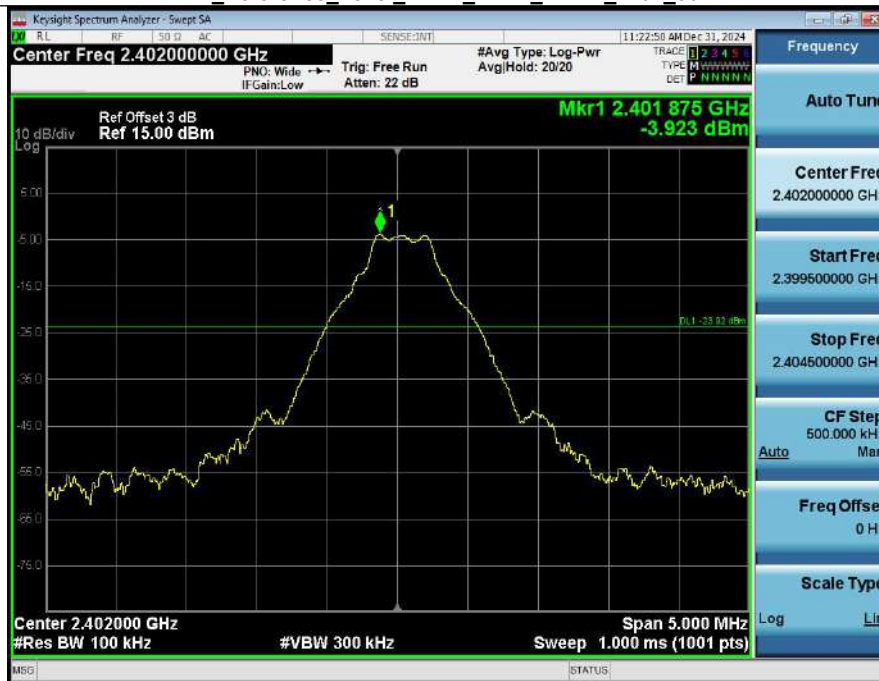
Peak Output Power NVNT_ANT1_3-DH1_2480_00



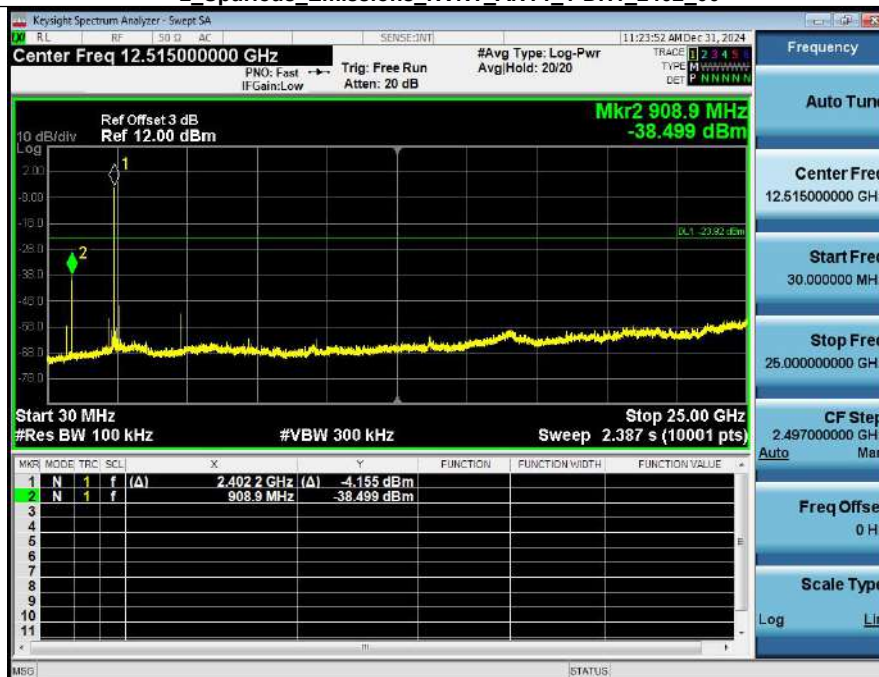
5. Spurious Emissions

Condition	Antenna	Modulation	TX Mode	Ref_level(dBm)	Spurious MAX.Value(dBm)	Limit	Result
NVNT	ANT1	1-DH1	2402.00	-3.923	-38.499	-23.923	Pass
NVNT	ANT1	1-DH1	2441.00	-4.037	-42.461	-24.037	Pass
NVNT	ANT1	1-DH1	2480.00	-4.764	-50.476	-24.764	Pass
NVNT	ANT1	2-DH1	2402.00	-3.772	-51.752	-23.772	Pass
NVNT	ANT1	2-DH1	2441.00	-4.057	-51.760	-24.057	Pass
NVNT	ANT1	2-DH1	2480.00	-4.807	-50.117	-24.807	Pass
NVNT	ANT1	3-DH1	2402.00	-3.818	-51.463	-23.818	Pass
NVNT	ANT1	3-DH1	2441.00	-4.089	-52.980	-24.089	Pass
NVNT	ANT1	3-DH1	2480.00	-4.841	-52.012	-24.841	Pass

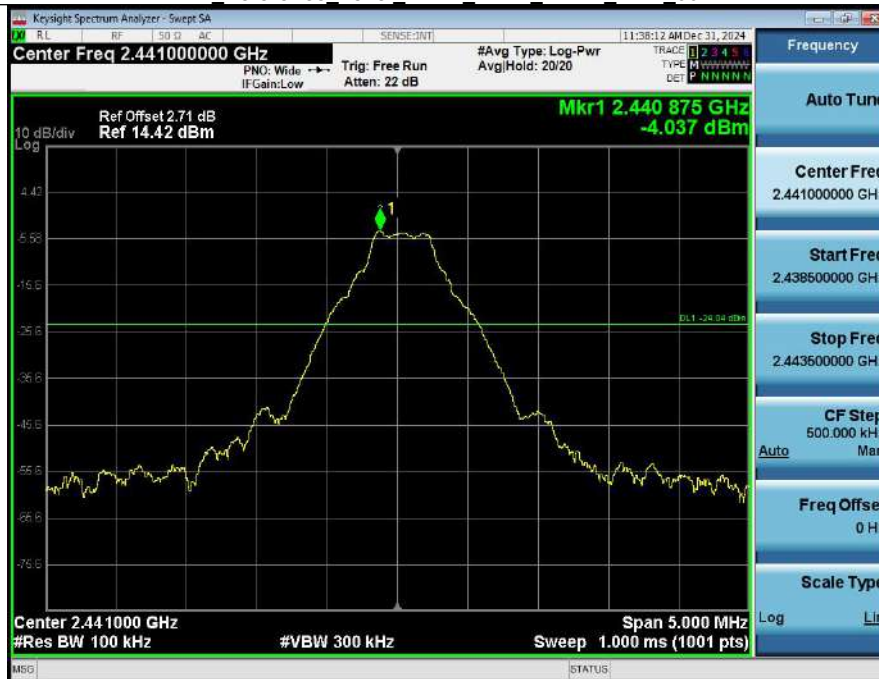
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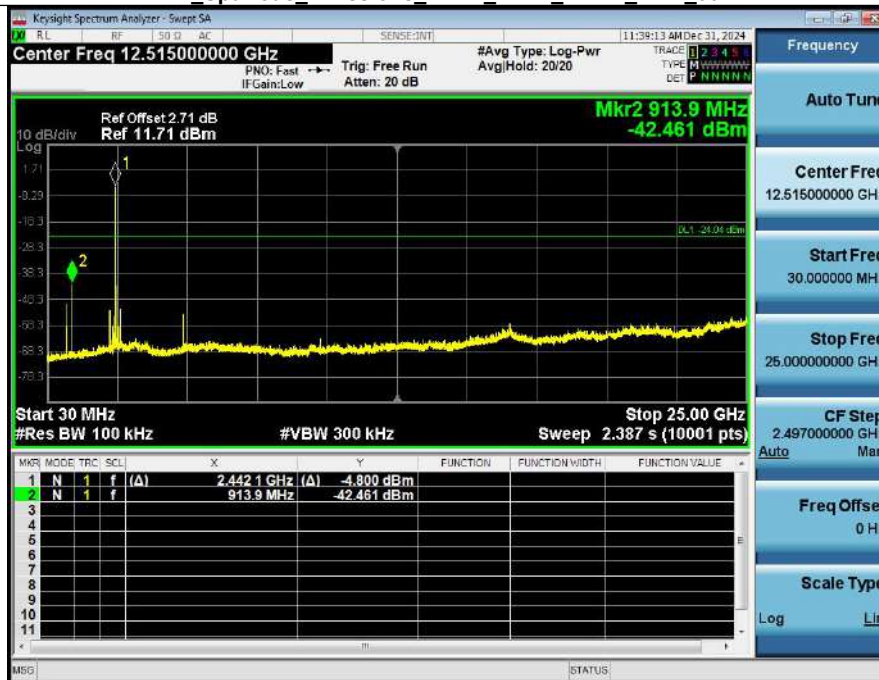
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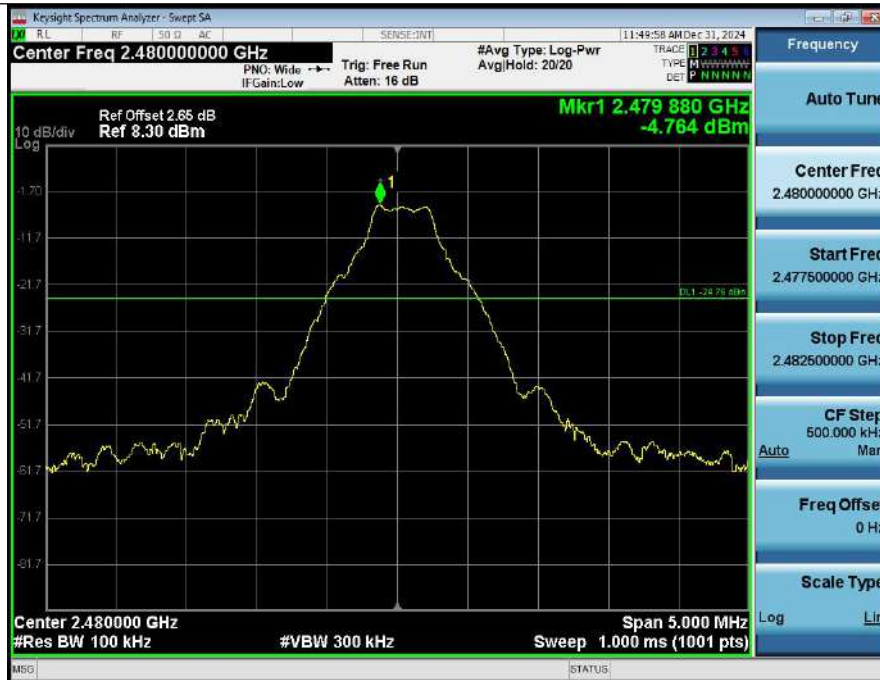
1 Reference Level NVNT ANT1 1-DH1 2441 00



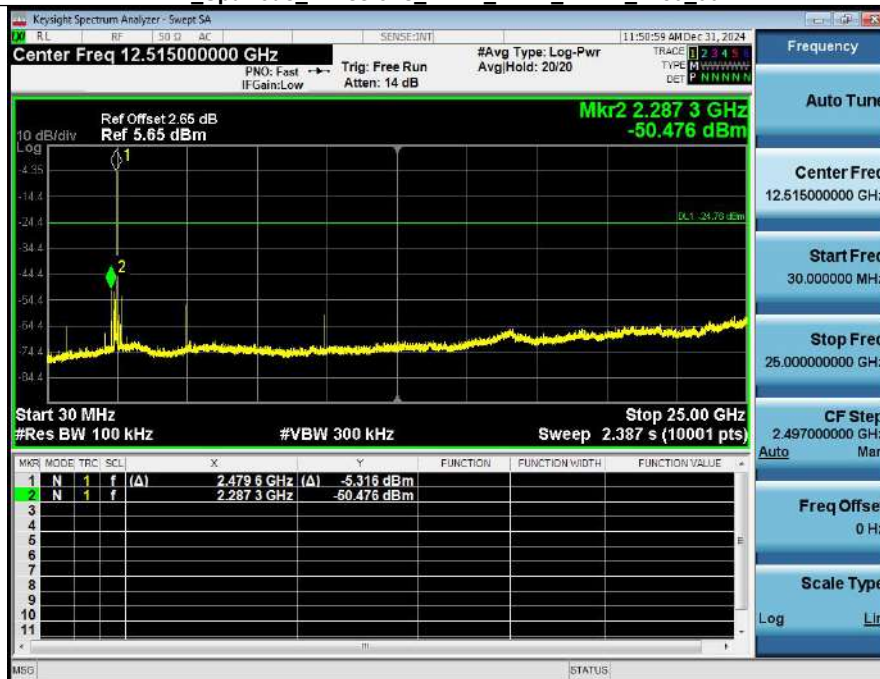
2 Spurious Emissions NVNT ANT1 1-DH1 2441 00



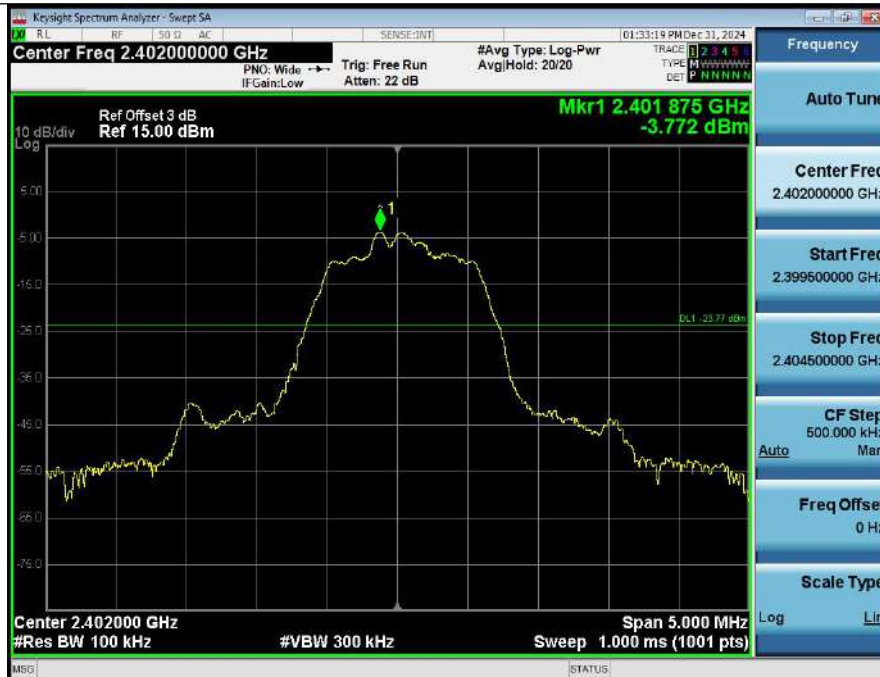
1 Reference Level NVNT ANT1 1-DH1 2480 00



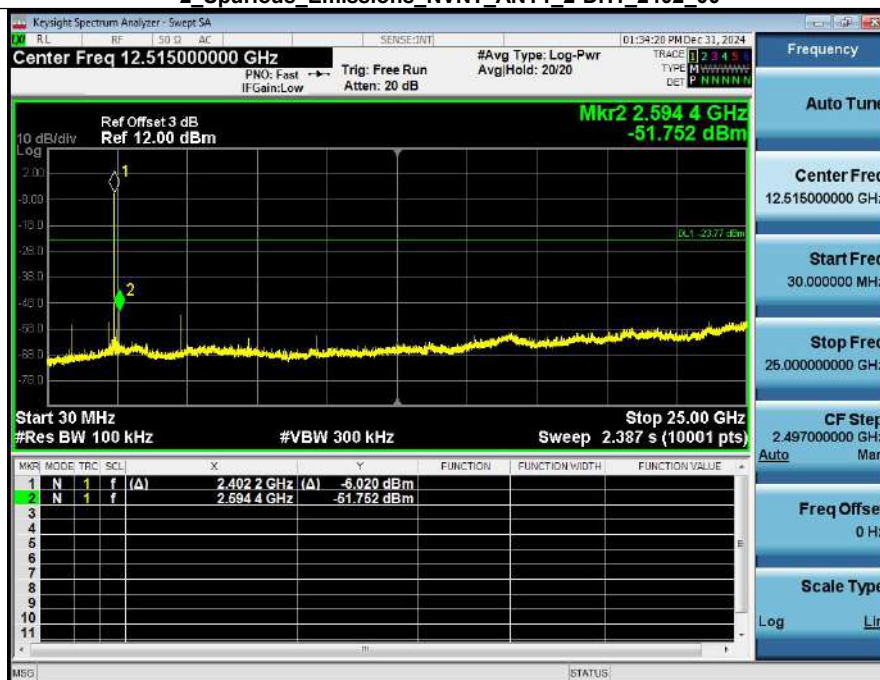
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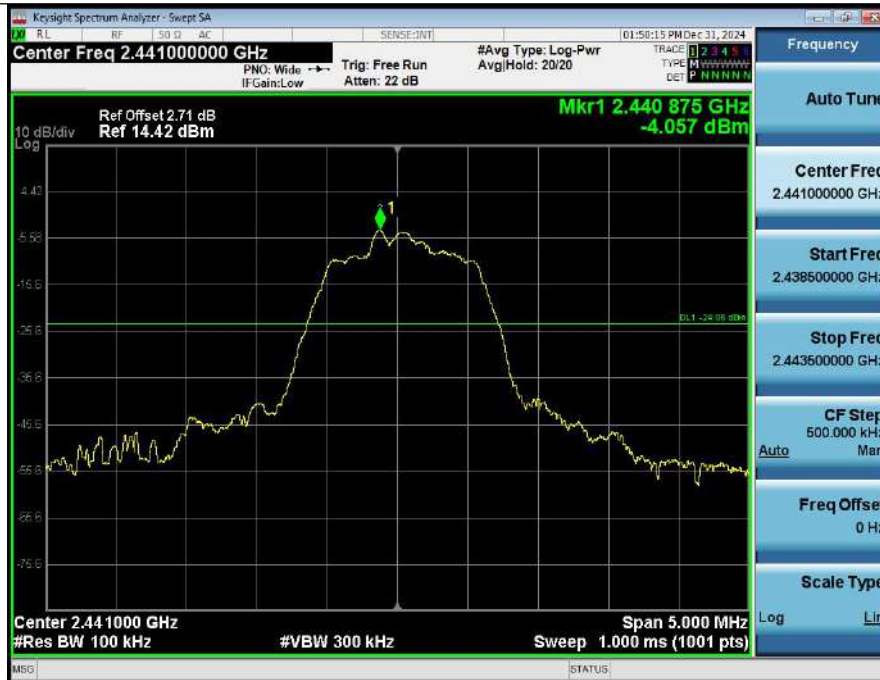
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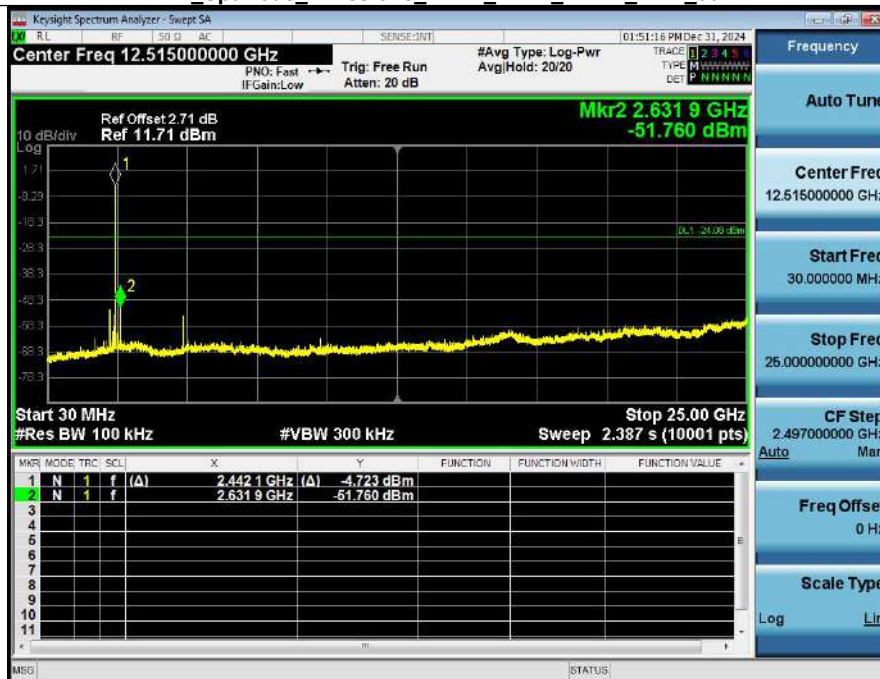
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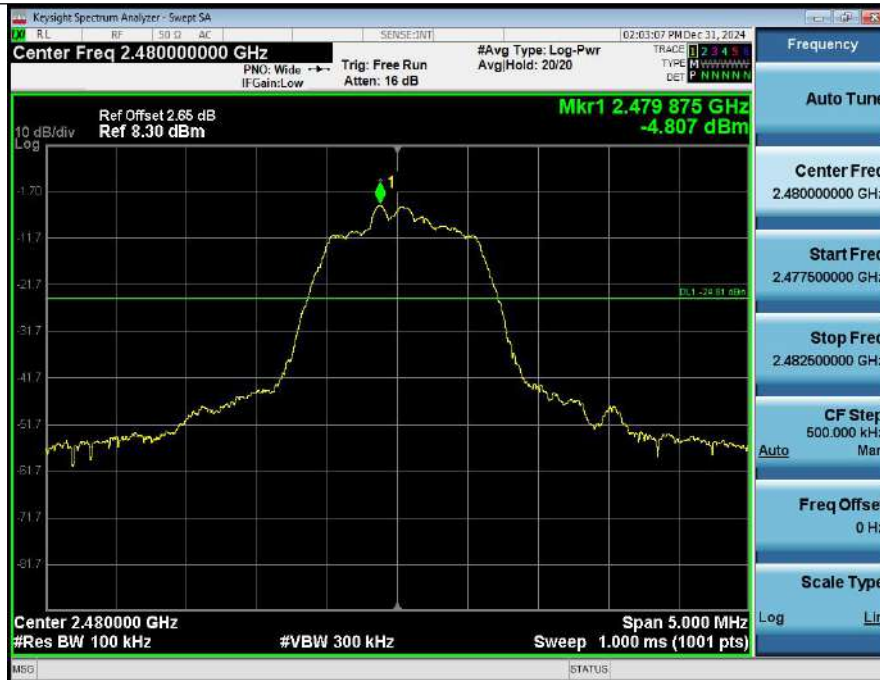
1 Reference Level_NVNT_ANT1_2-DH1_2441_00



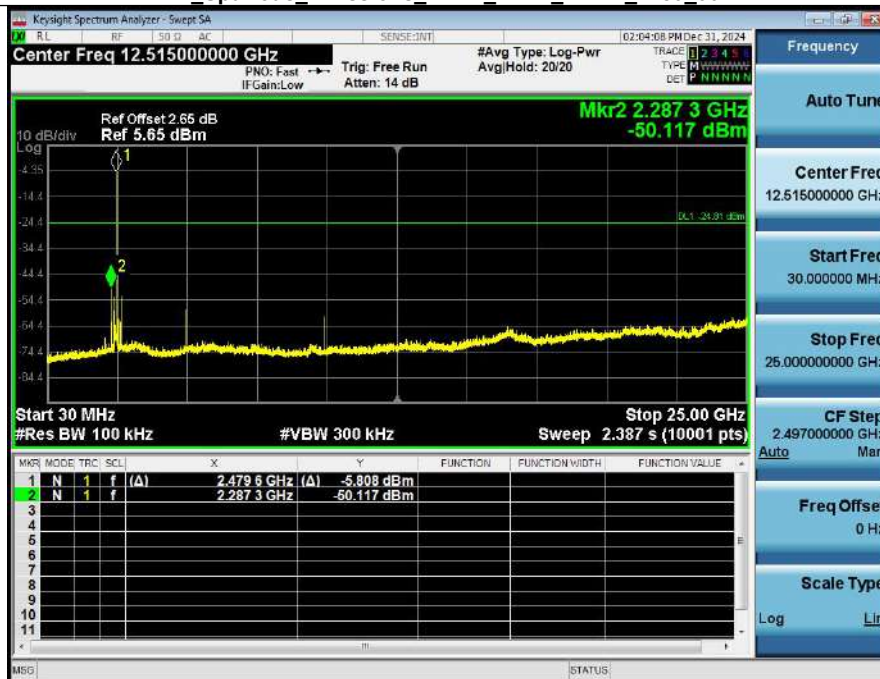
2_Spurious_Emissions_NVNT_ANT1_2-DH1_2441_00



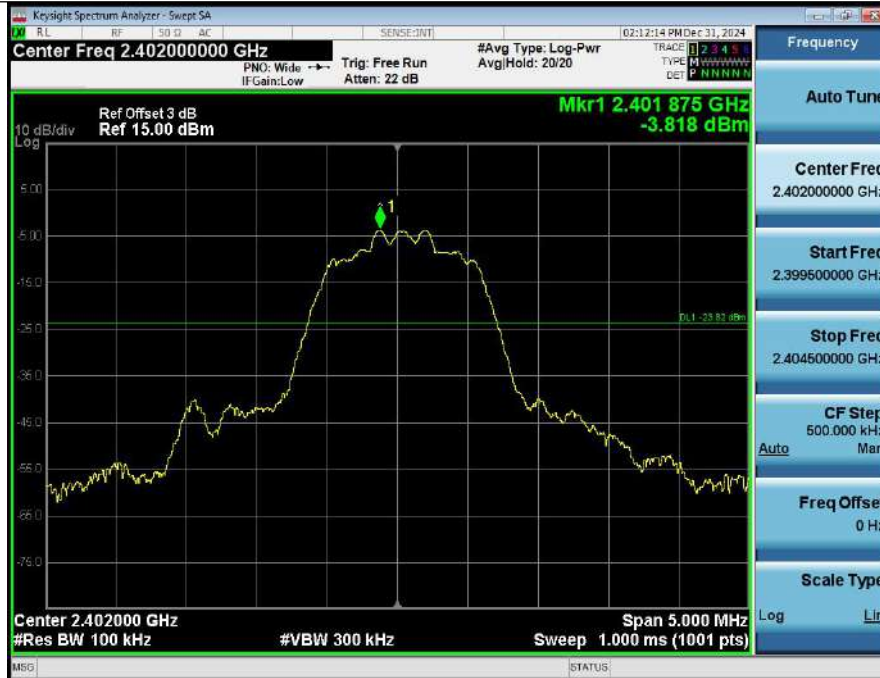
1_Reference_Level_NVNT_ANT1_2-DH1_2480_00



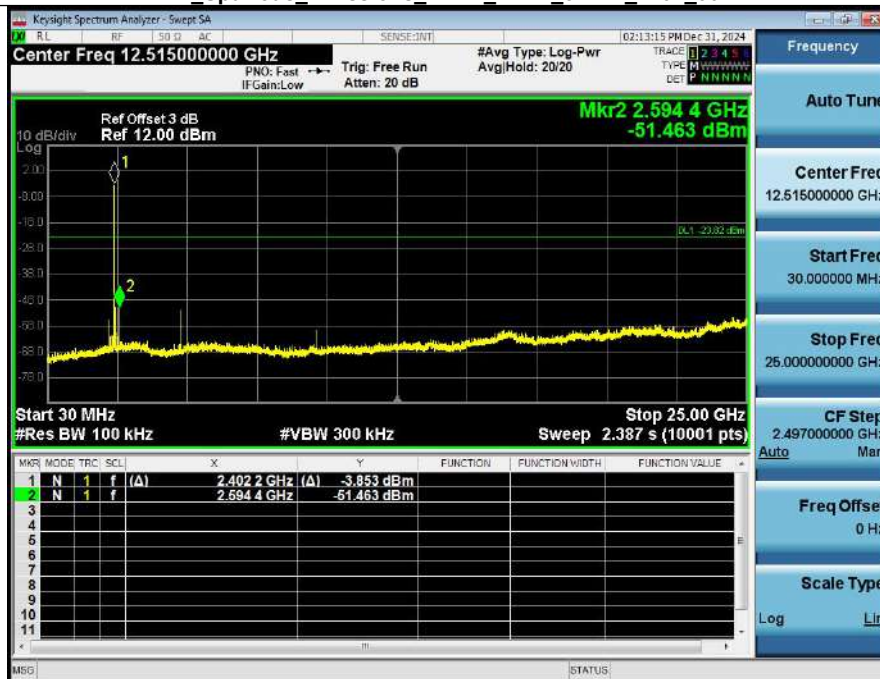
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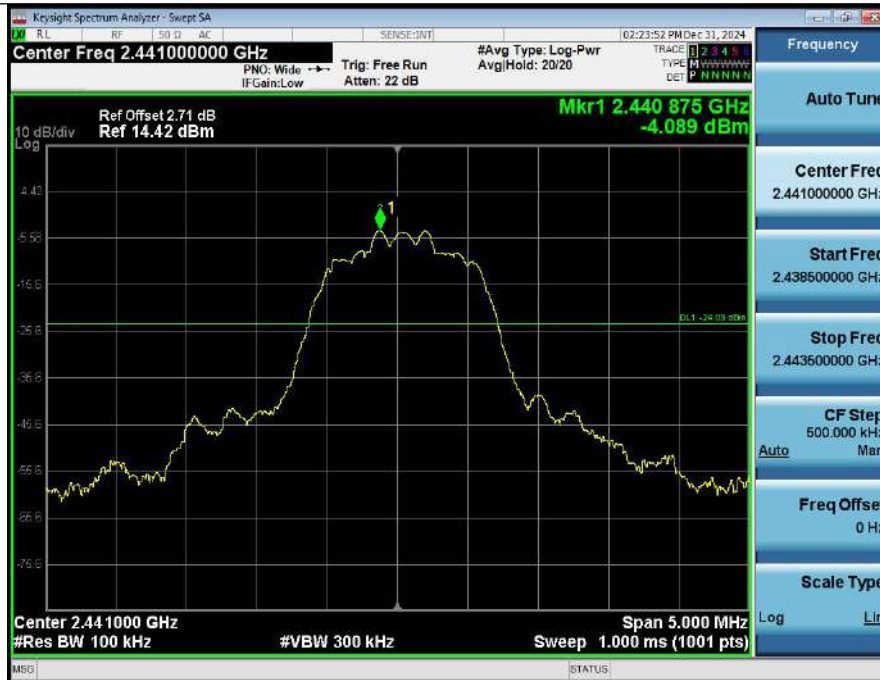
1_Reference_Level_NVNT_ANT1_3-DH1_2402_00



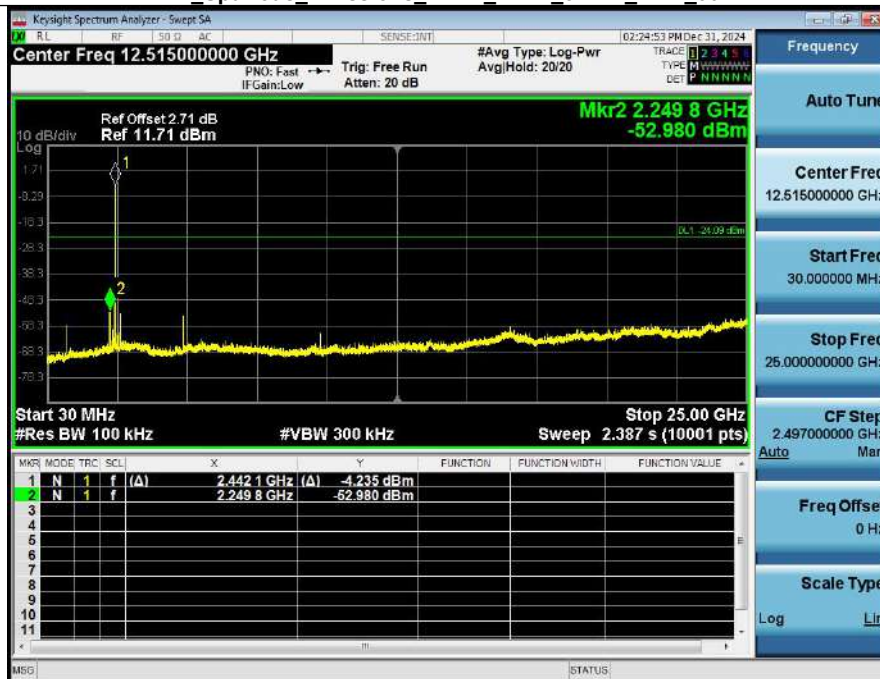
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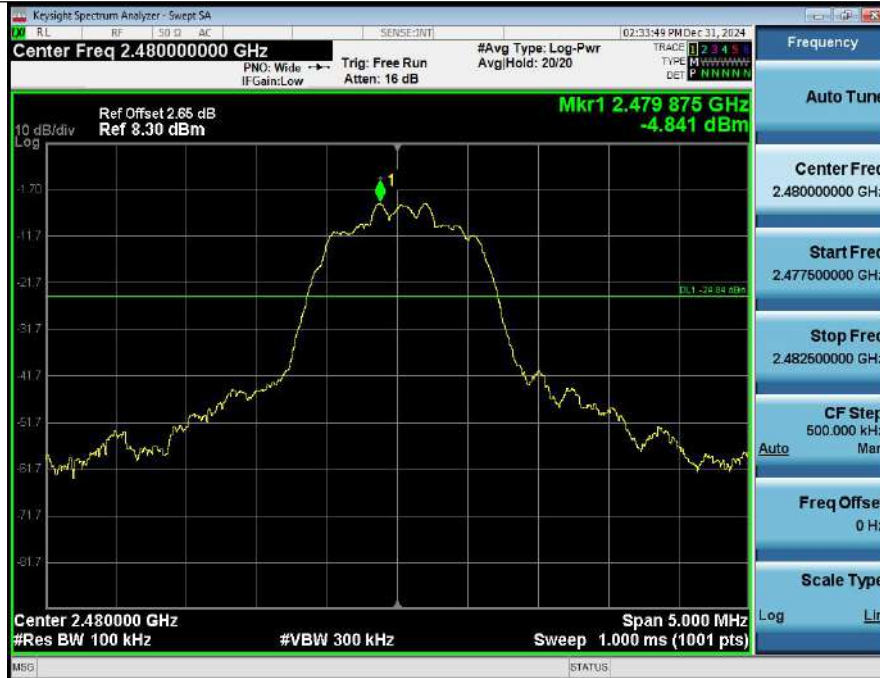
1 Reference_Level_NVNT_ANT1_3-DH1_2441_00



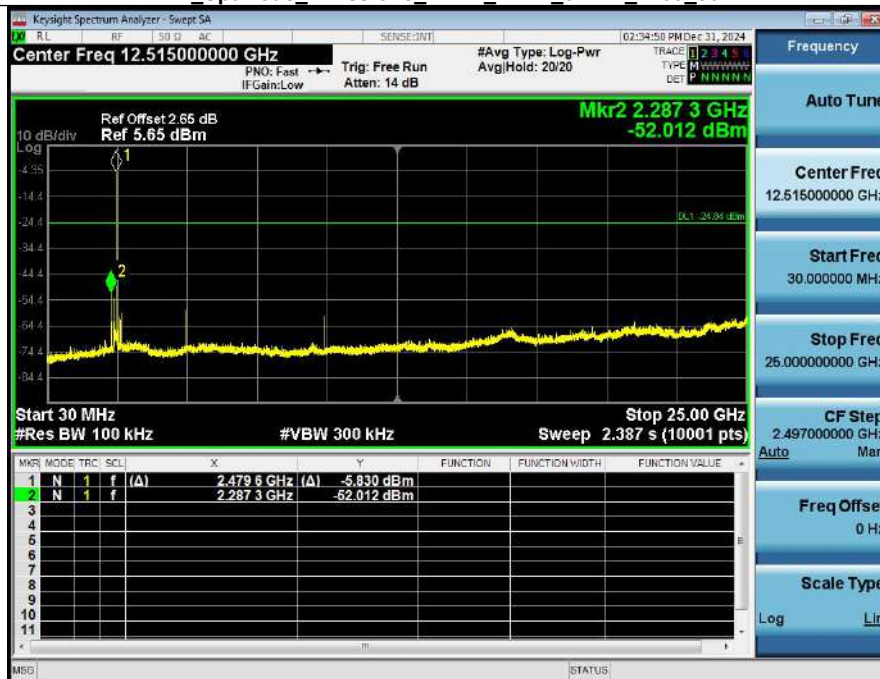
2_Spurious_Emissions_NVNT_ANT1_3-DH1_2441_00



1_Reference_Level_NVNT_ANT1_3-DH1_2480_00



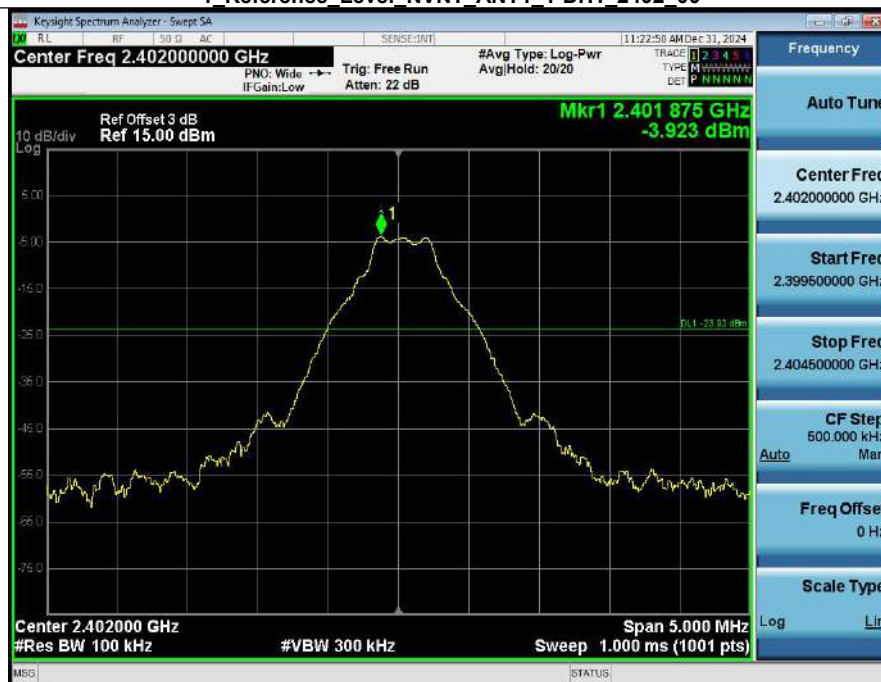
2 Spurious Emissions_NVNT_ANT1_3-DH1_2480_00



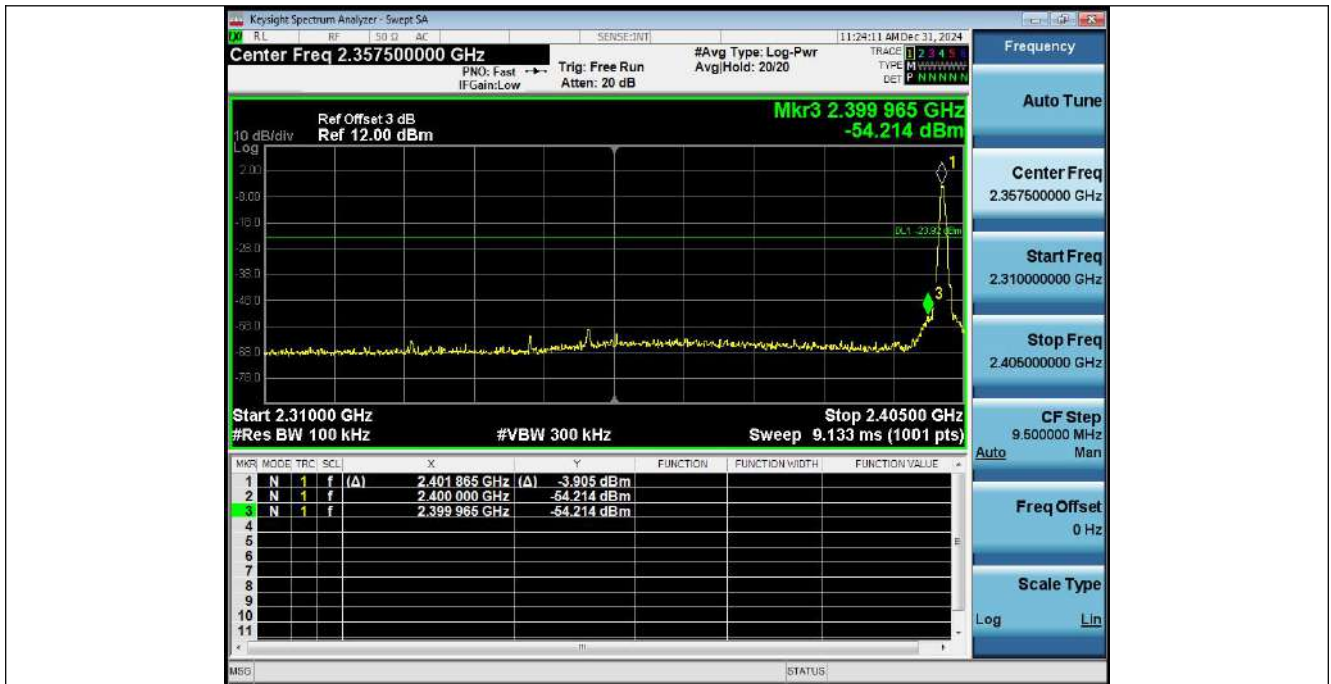
6. Bandedge

Condition	Antenna	Modulation	TX Mode	Ref_level(dBm)	Bandedge MAX.Value	Limit	Result
NVNT	ANT1	1-DH1	2402.00	-3.923	-54.214	-23.923	Pass
NVNT	ANT1	1-DH1	Hopping_LCH	-3.605	-58.288	-23.605	Pass
NVNT	ANT1	1-DH1	2480.00	-4.764	-64.623	-24.764	Pass
NVNT	ANT1	1-DH1	Hopping_HCH	-3.816	-56.960	-23.816	Pass
NVNT	ANT1	2-DH1	2402.00	-3.772	-52.551	-23.772	Pass
NVNT	ANT1	2-DH1	Hopping_LCH	-3.428	-54.565	-23.428	Pass
NVNT	ANT1	2-DH1	2480.00	-4.807	-61.921	-24.807	Pass
NVNT	ANT1	2-DH1	Hopping_HCH	-3.848	-57.440	-23.848	Pass
NVNT	ANT1	3-DH1	2402.00	-3.818	-53.484	-23.818	Pass
NVNT	ANT1	3-DH1	Hopping_LCH	-3.473	-54.575	-23.473	Pass
NVNT	ANT1	3-DH1	2480.00	-4.841	-65.516	-24.841	Pass
NVNT	ANT1	3-DH1	Hopping_HCH	-3.840	-57.991	-23.840	Pass

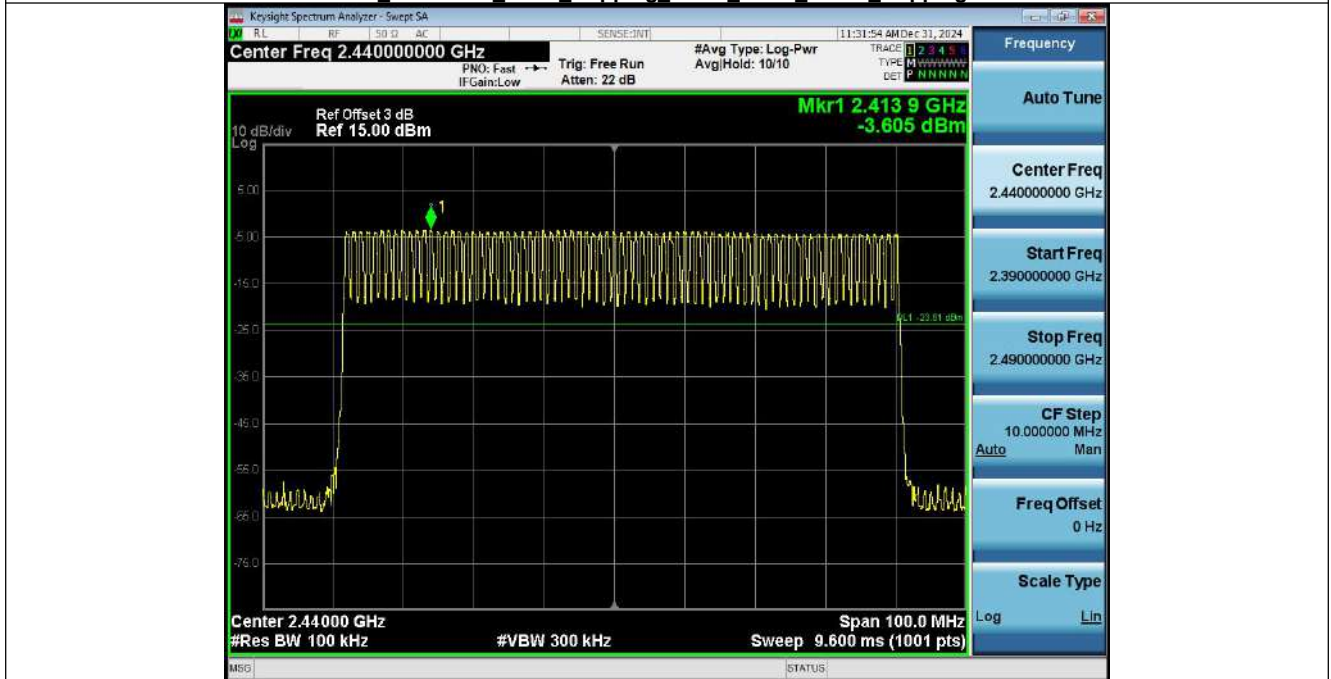
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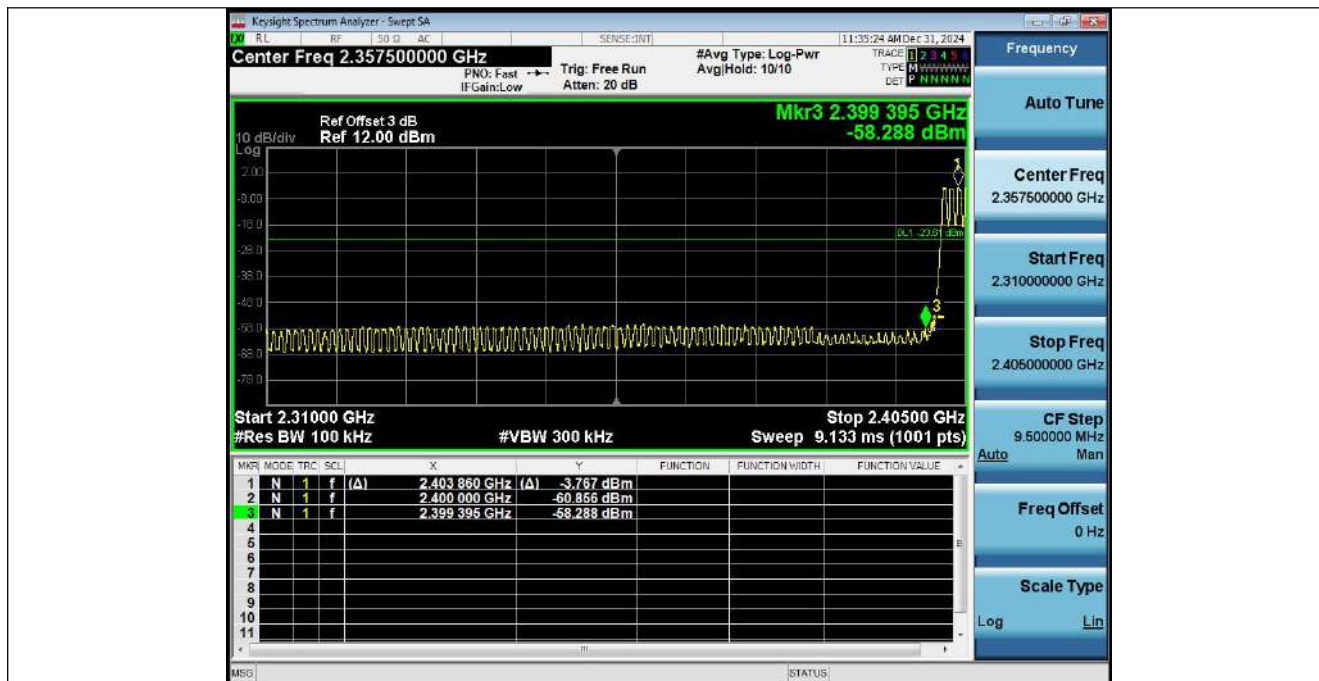
2_Bandedge_NVNT_ANT1_1-DH1_2402_00



1 Reference_Level_Hopping_NVNT_ANT1_1-DH1_Hopping



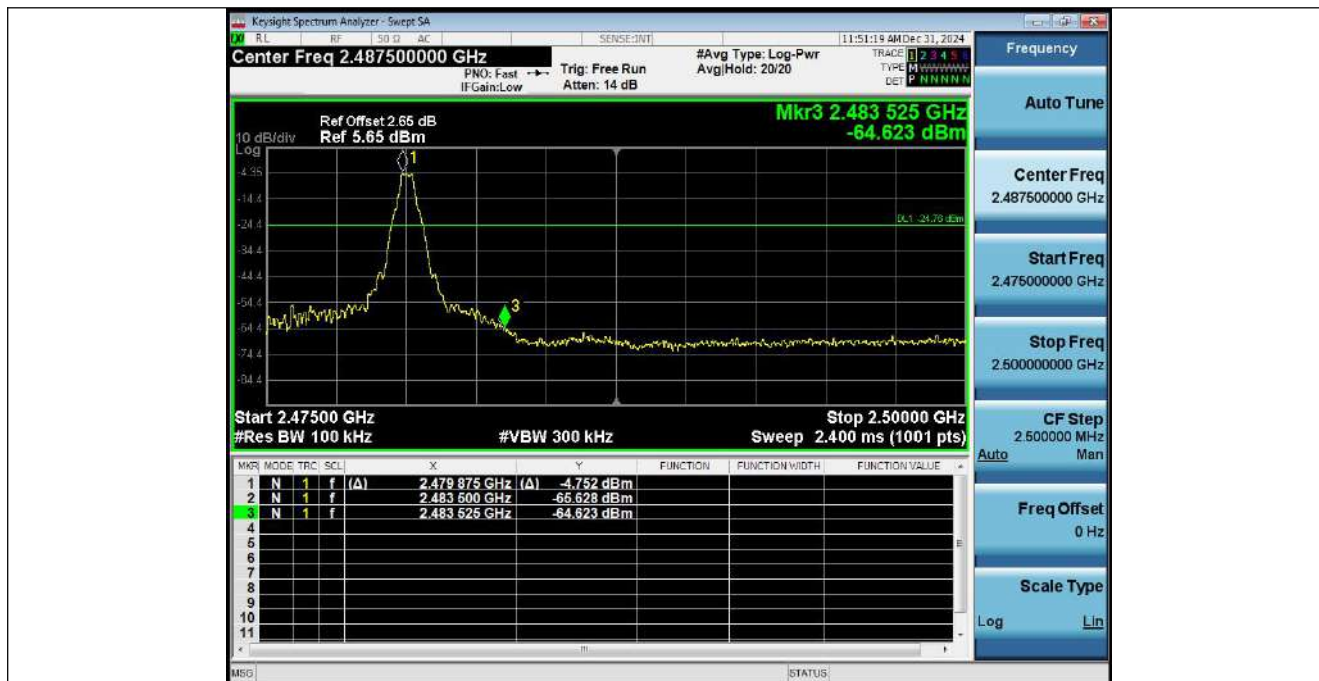
2_Band_Edge_(Hopping)_NVNT_ANT1_1-DH1_Hopping



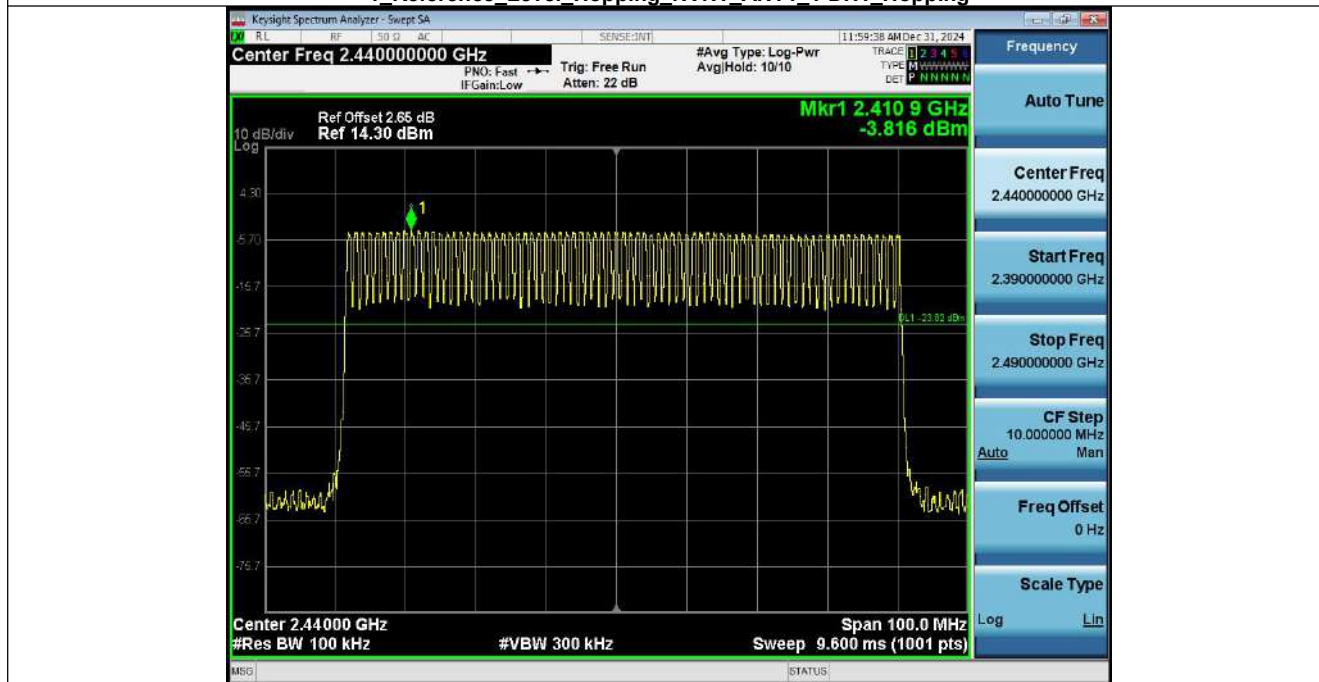
1 Reference Level NVNT ANT1 1-DH1 2480 00



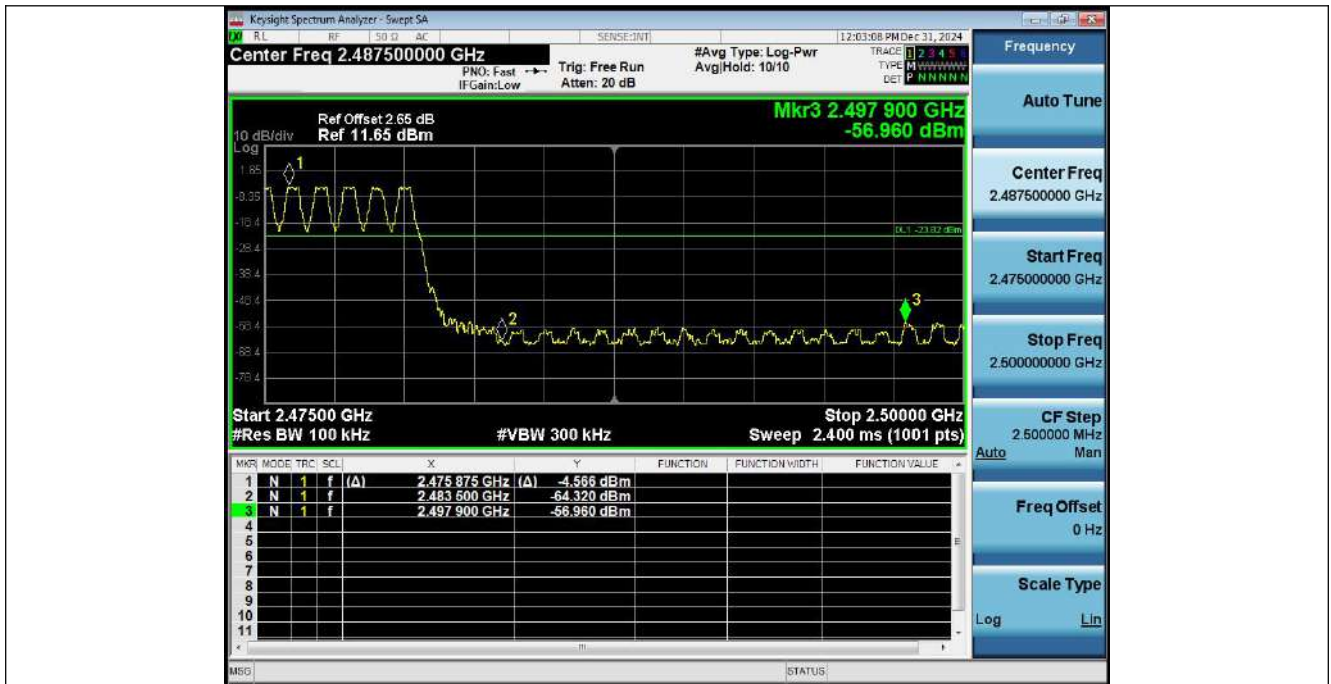
2 Bandedge NVNT ANT1 1-DH1 2480 00



1 Reference_Level_Hopping_NVNT_ANT1_1-DH1_Hopping



2_Band_Edge_(Hopping)_NVNT_ANT1_1-DH1_Hopping



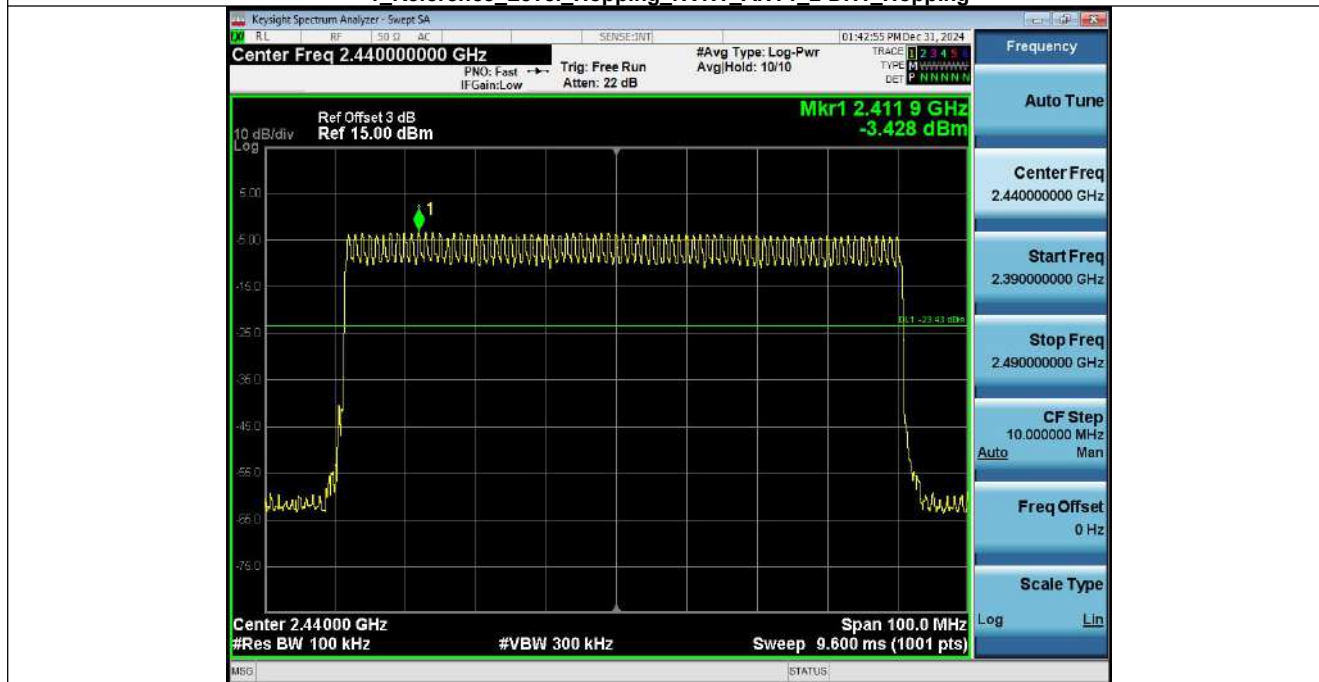
1 Reference Level NVNT ANT1 2-DH1 2402 00



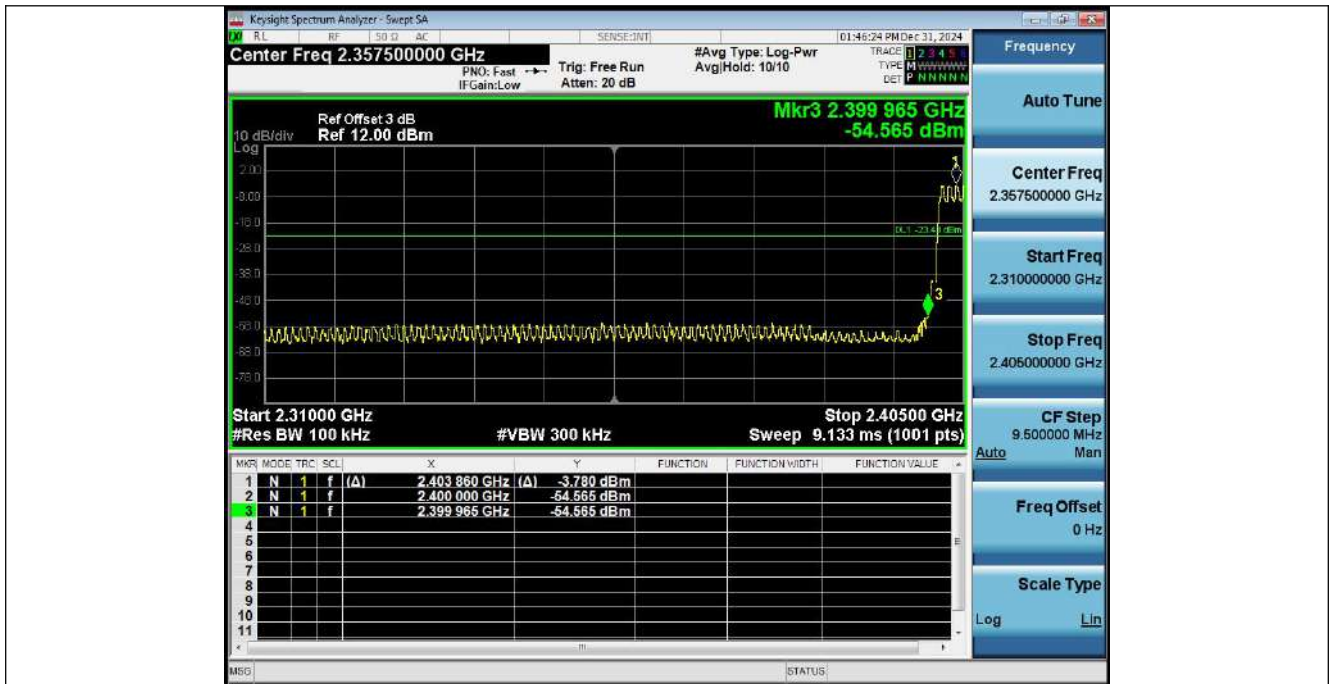
2 Bandedge NVNT ANT1 2-DH1 2402 00



1 Reference_Level_Hopping_NVNT_ANT1_2-DH1_Hopping



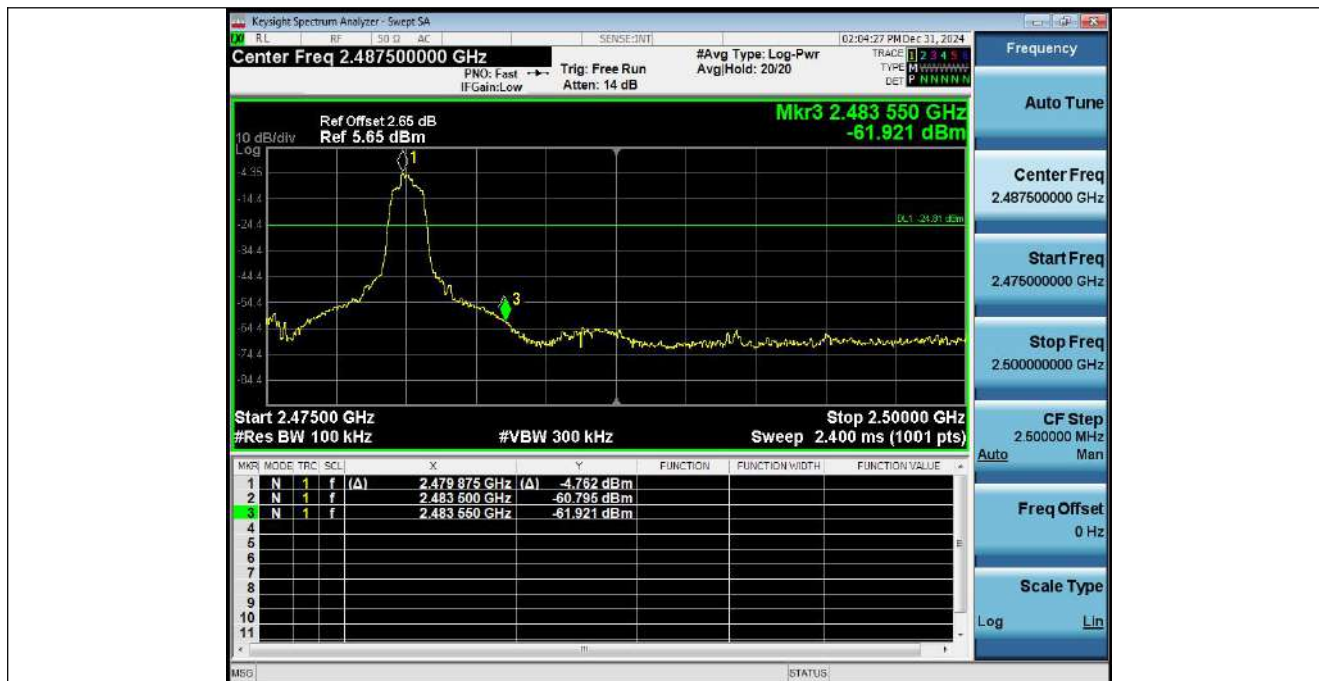
2_Band_Edge_(Hopping)_NVNT_ANT1_2-DH1_Hopping



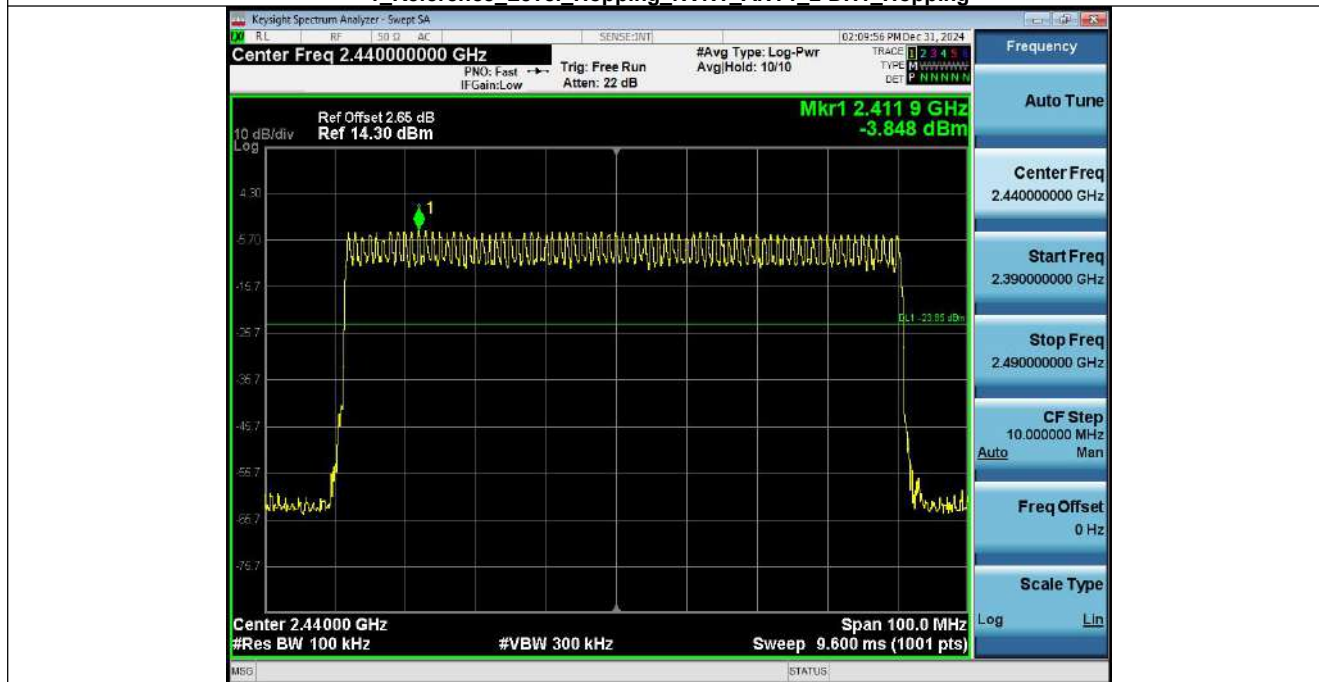
1 Reference Level NVNT ANT1 2-DH1 2480 00



2 Bandedge NVNT ANT1 2-DH1 2480 00



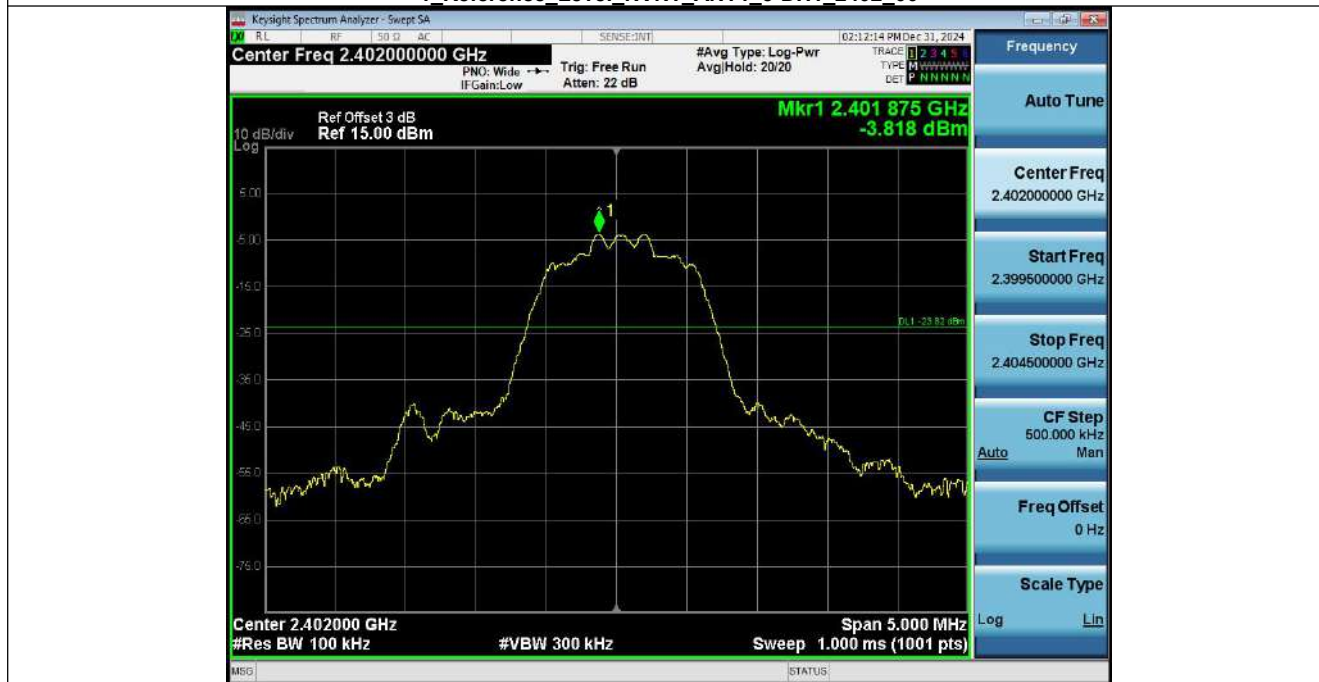
1 Reference_Level_Hopping_NVNT_ANT1_2-DH1_Hopping



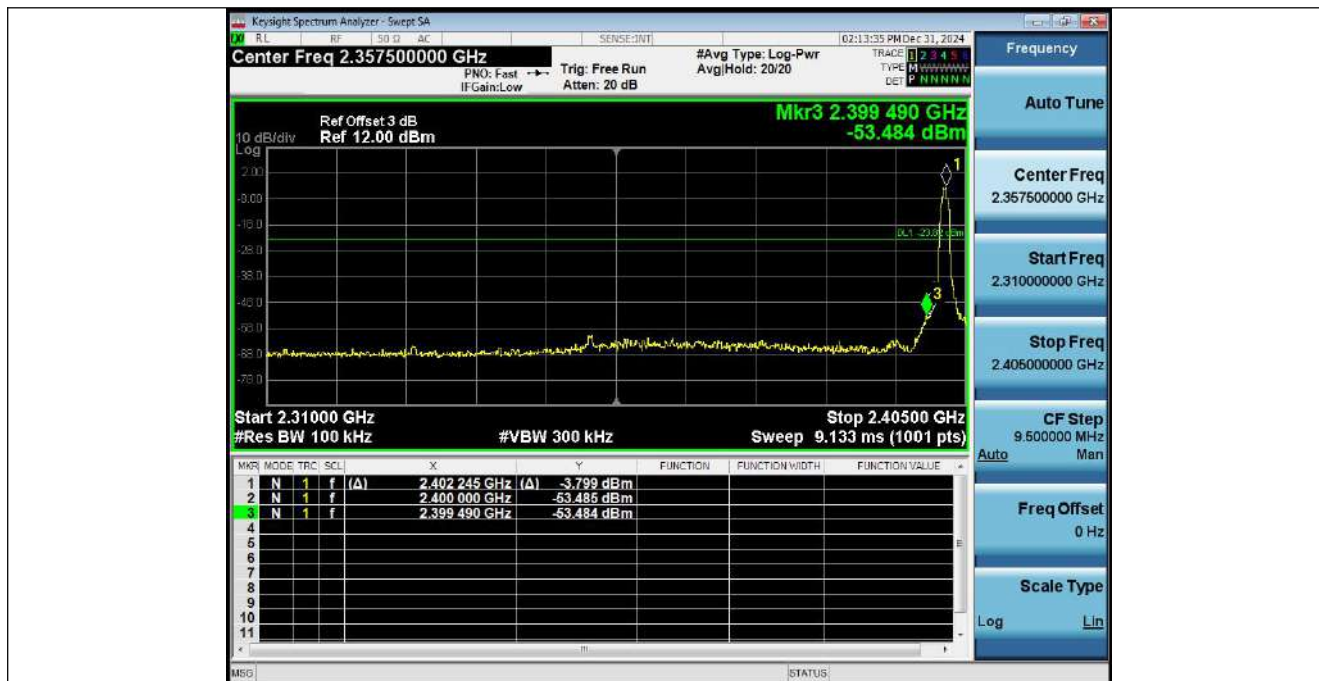
2_Band_Edge_(Hopping)_NVNT_ANT1_2-DH1_Hopping



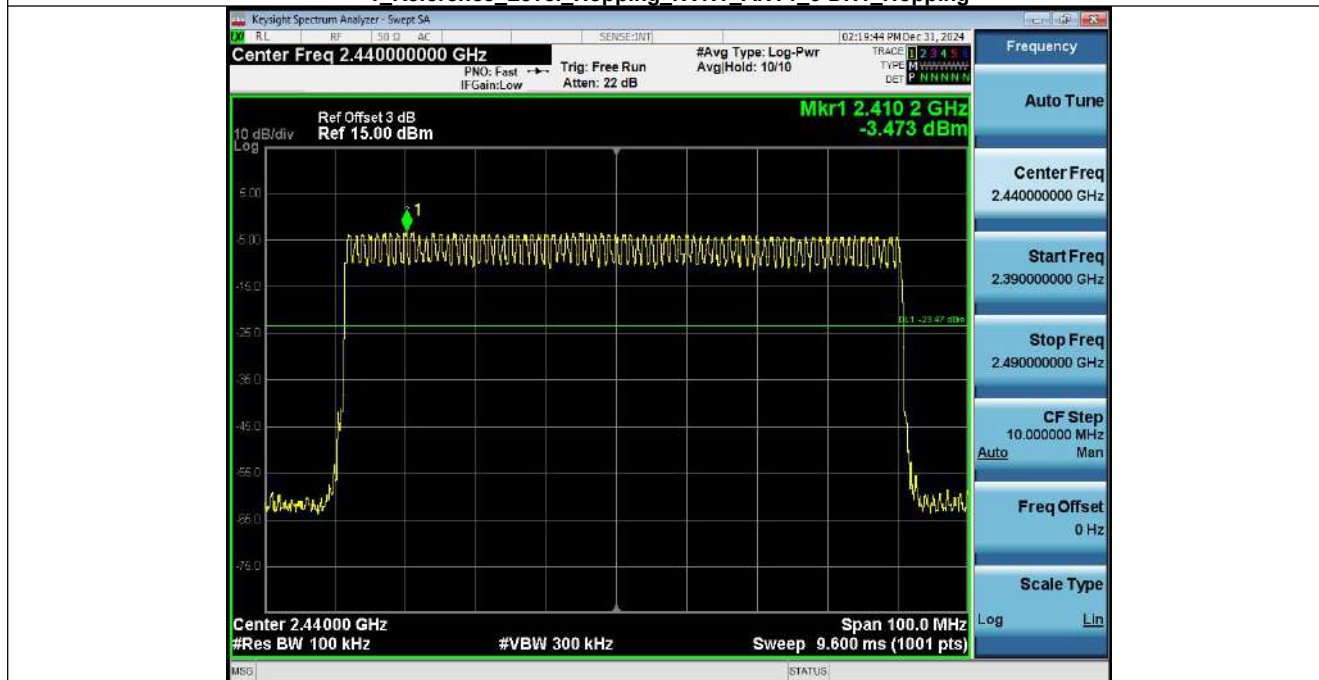
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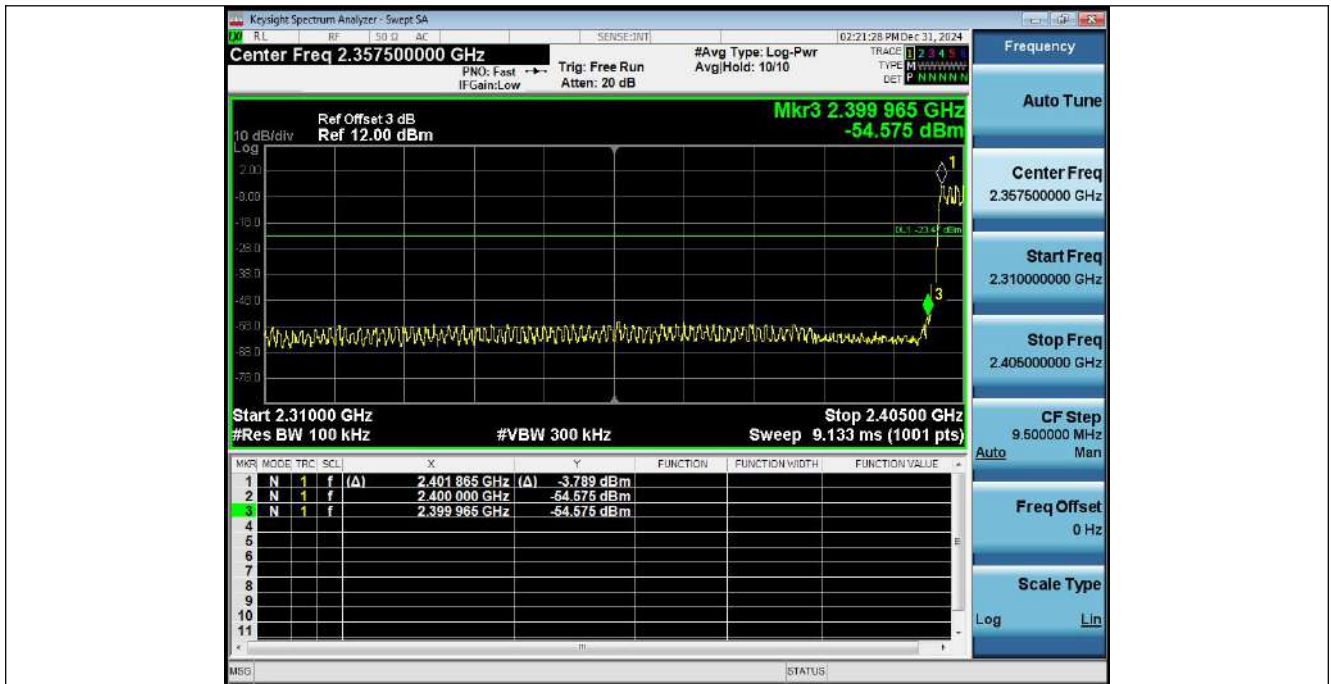
2 Bandedge NVNT ANT1 3-DH1 2402 00



1 Reference_Level_Hopping_NVNT_ANT1_3-DH1_Hopping



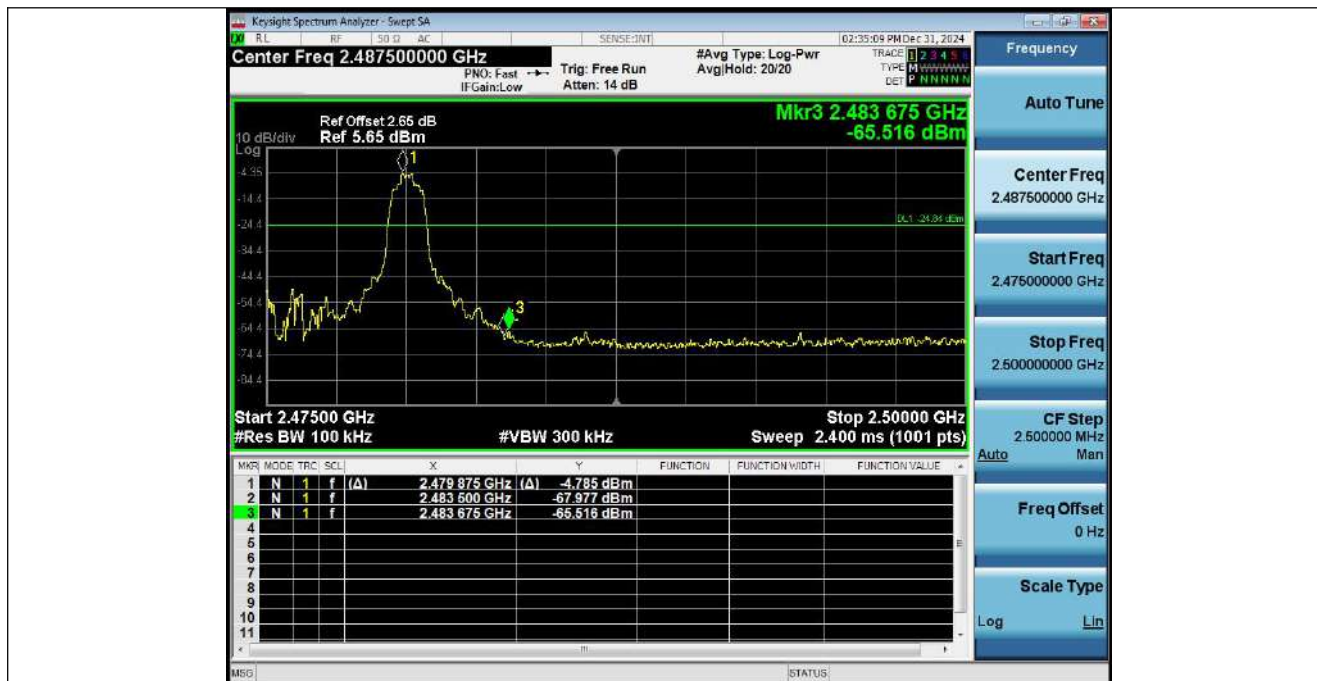
2_Band_Edge_(Hopping)_NVNT_ANT1_3-DH1_Hopping



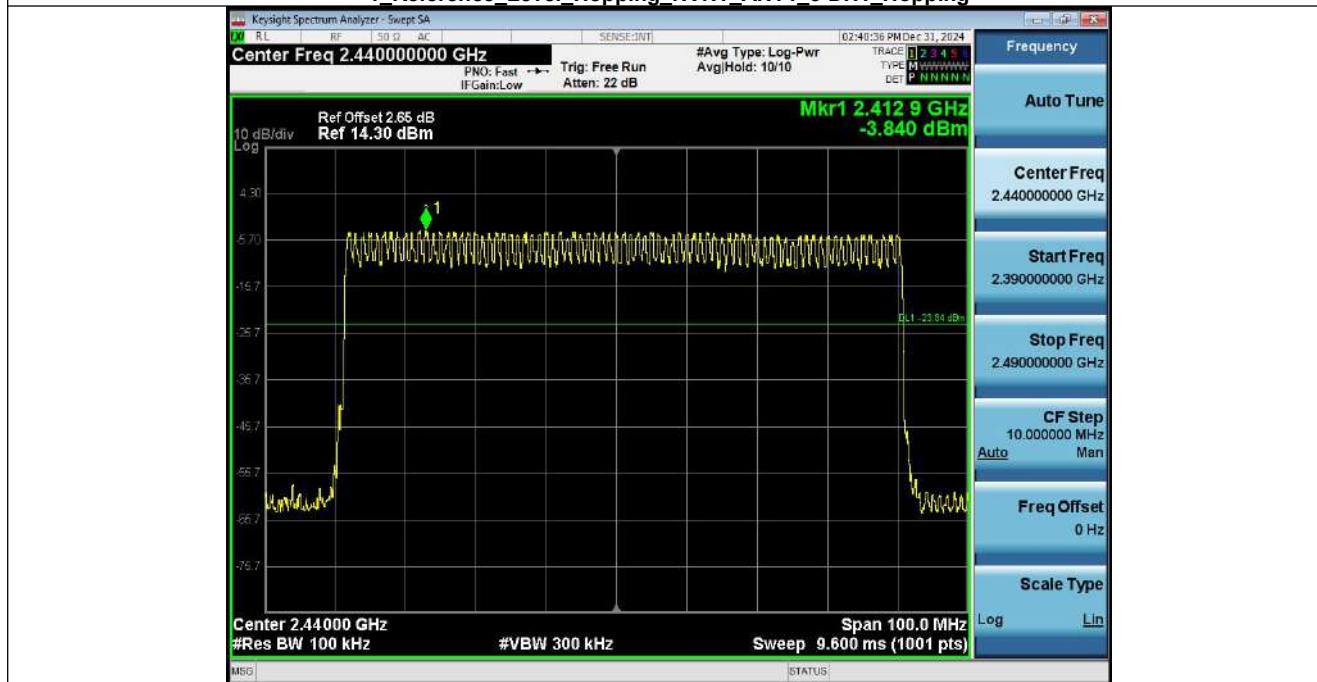
1 Reference Level NVNT ANT1 3-DH1 2480 00



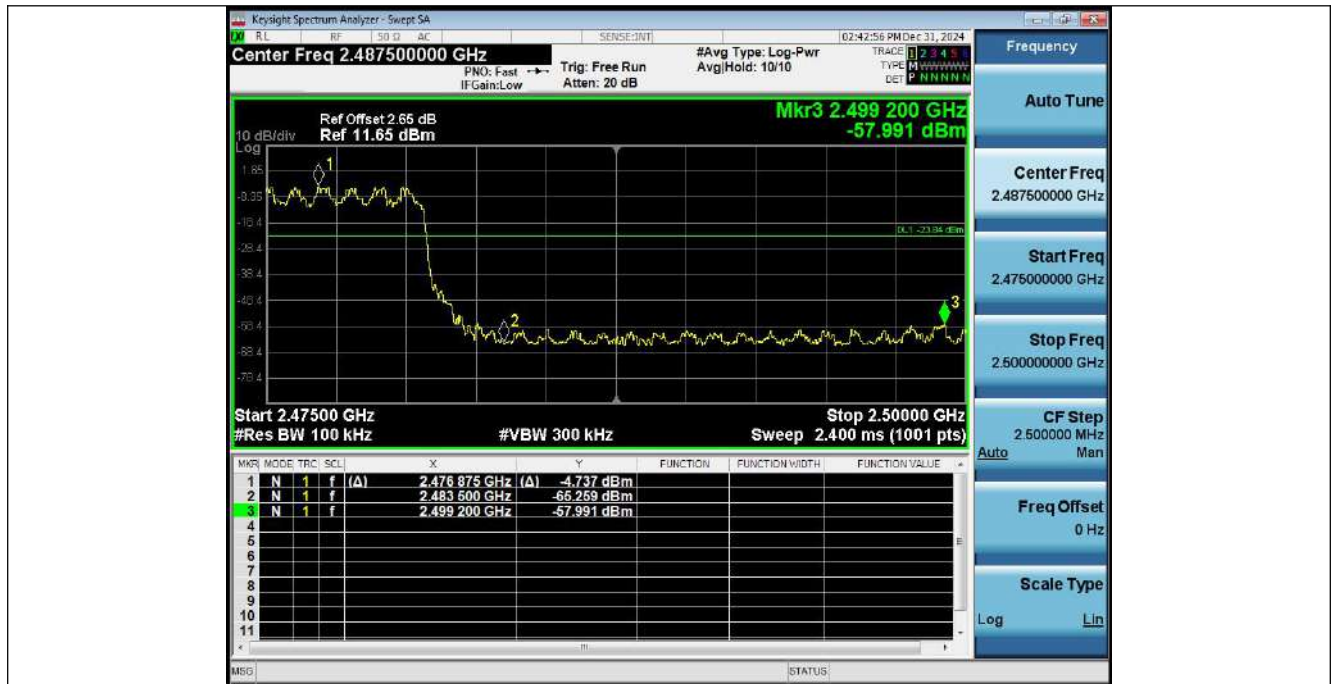
2 Bandedge NVNT ANT1 3-DH1 2480 00



1 Reference_Level_Hopping_NVNT_ANT1_3-DH1_Hopping



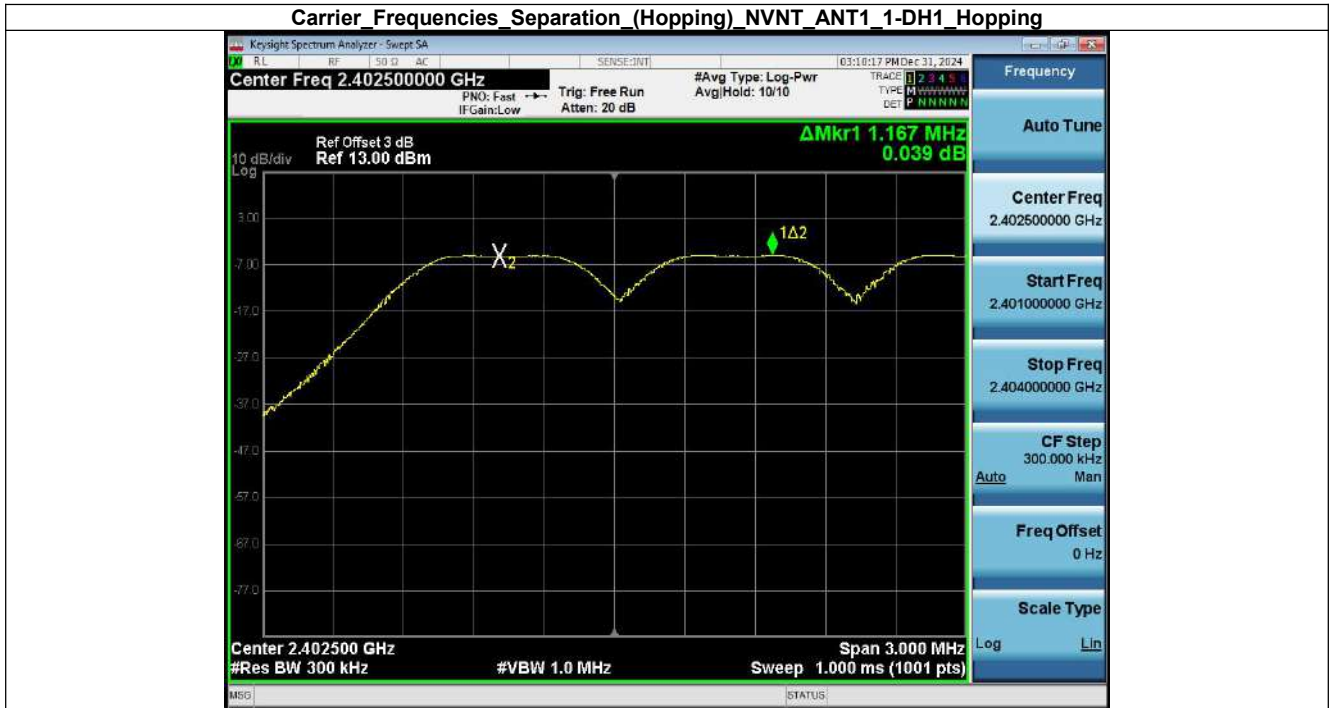
2 Band_Edge_(Hopping)_NVNT_ANT1_3-DH1_Hopping



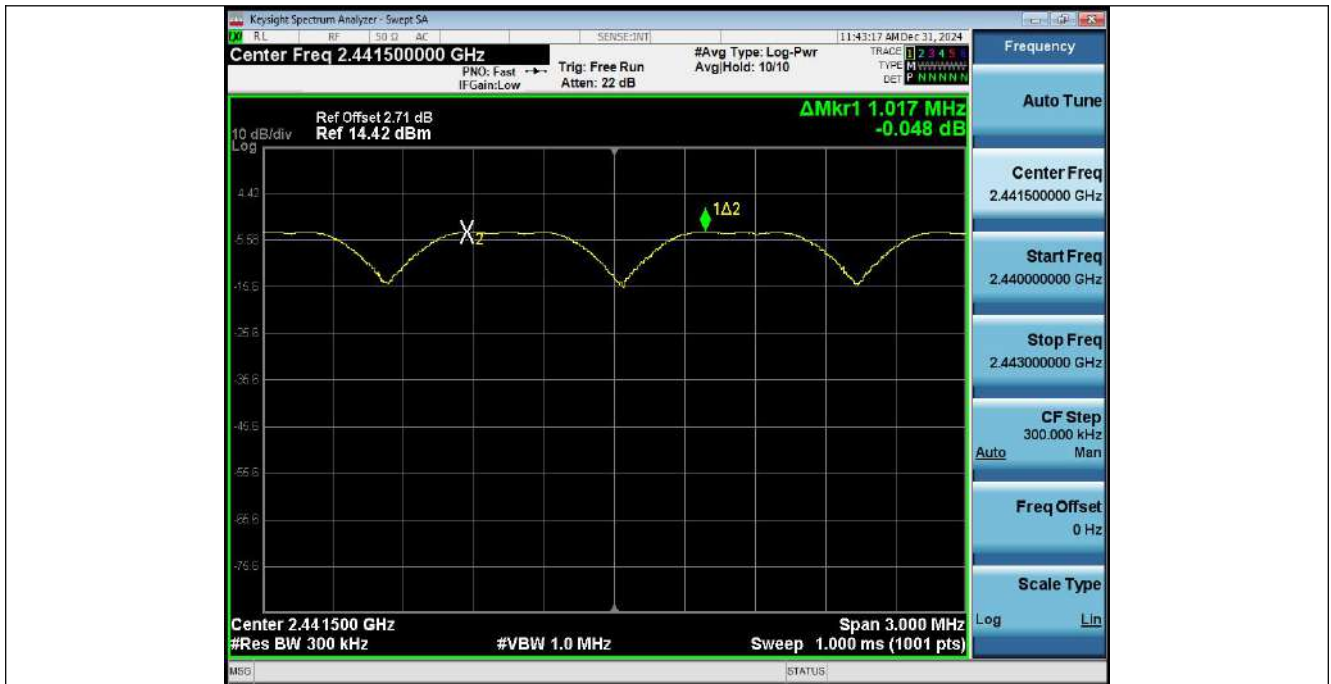
7. Carrier Frequencies Separation (Hopping)

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	2402.008	2403.175	1.17	0.877	Pass
NVNT	ANT1	1-DH1	2441.00	2440.870	2441.887	1.02	0.918	Pass
NVNT	ANT1	1-DH1	2480.00	2478.879	2479.881	1.00	0.924	Pass
NVNT	ANT1	2-DH1	2402.00	2401.888	2402.869	0.98	0.846	Pass
NVNT	ANT1	2-DH1	2441.00	2440.888	2441.872	0.98	0.851	Pass
NVNT	ANT1	2-DH1	2480.00	2478.879	2479.878	1.00	0.849	Pass
NVNT	ANT1	3-DH1	2402.00	2402.047	2403.178	1.13	0.817	Pass
NVNT	ANT1	3-DH1	2441.00	2440.876	2441.872	1.00	0.817	Pass
NVNT	ANT1	3-DH1	2480.00	2478.864	2479.884	1.02	0.836	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



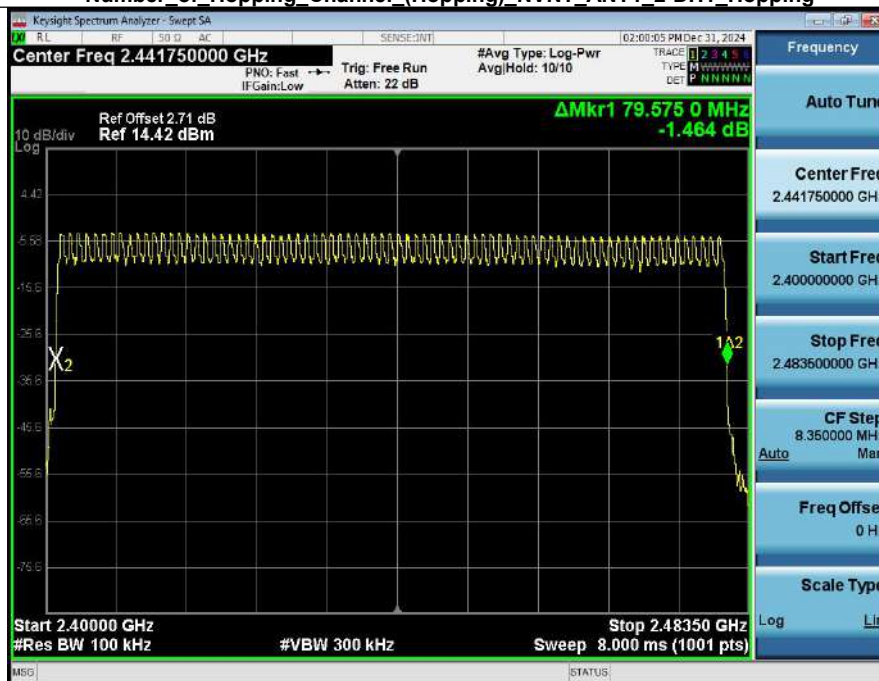
8. Number of Hopping Channel (Hopping)

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

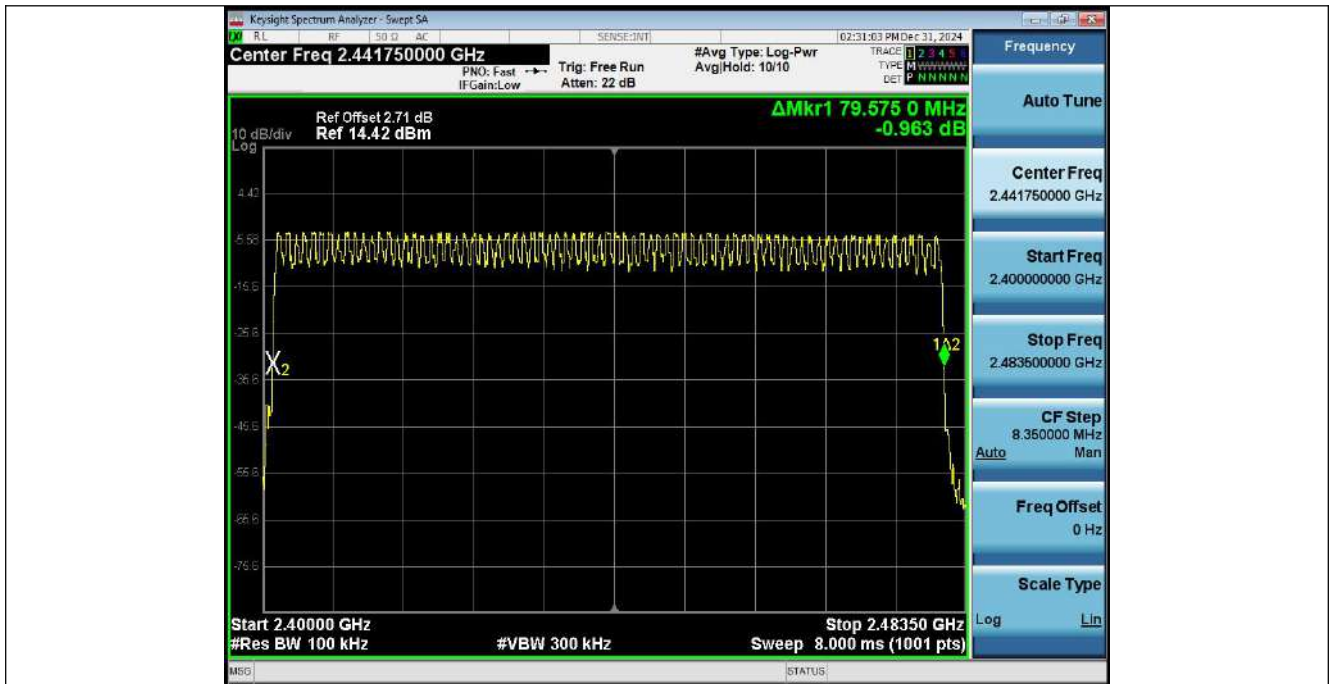
Number_of_Hopping_Channel_(Hopping)_NVNT_ANT1_1-DH1_Hopping



Number_of_Hopping_Channel_(Hopping)_NVNT_ANT1_2-DH1_Hopping



Number_of_Hopping_Channel_(Hopping)_NVNT_ANT1_3-DH1_Hopping



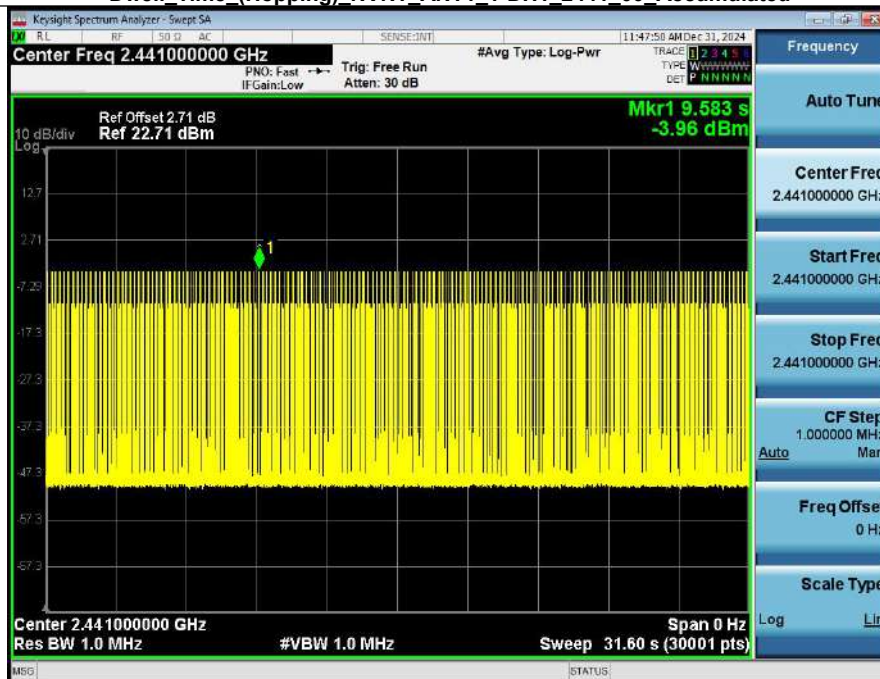
9. Dwell Time (Hopping)

Condition	Antenna	Packet Type	Pulse Time(ms)	Hops	Dwell Time(ms)	Limit(s)	Result
NVNT	ANT1	1-DH1	0.390	320.00	124.800	0.40	Pass
NVNT	ANT1	2-DH1	0.410	320.00	131.200	0.40	Pass
NVNT	ANT1	3-DH1	0.400	320.00	128.000	0.40	Pass
NVNT	ANT1	1-DH5	1.650	163.00	268.950	0.40	Pass
NVNT	ANT1	1-DH5	2.890	110.00	317.900	0.40	Pass
NVNT	ANT1	2-DH3	1.660	158.00	262.280	0.40	Pass
NVNT	ANT1	2-DH5	2.900	116.00	336.400	0.40	Pass
NVNT	ANT1	3-DH3	1.650	153.00	252.450	0.40	Pass
NVNT	ANT1	3-DH5	2.910	106.00	308.460	0.40	Pass

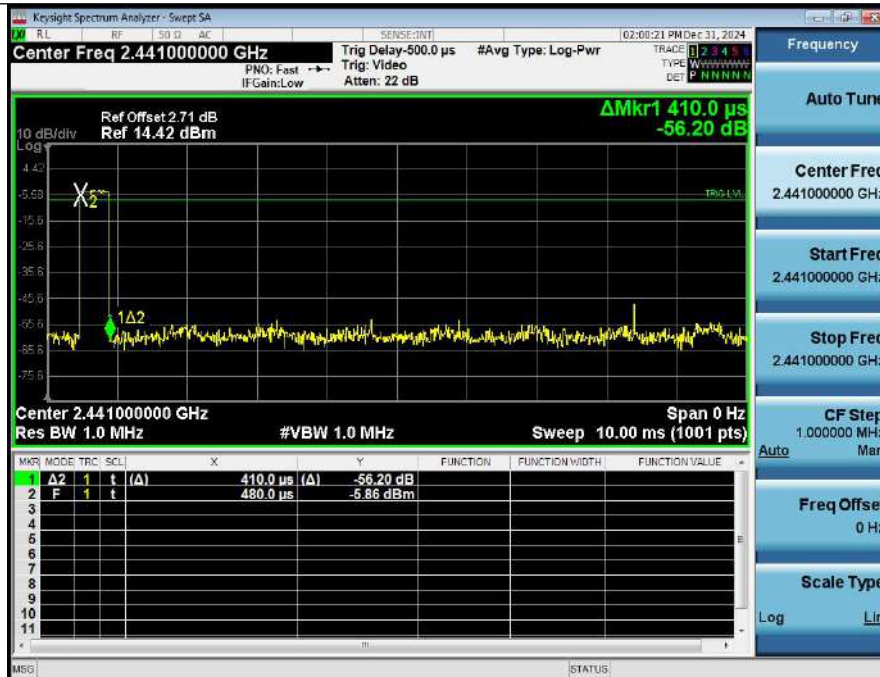
Dwell Time (Hopping) NVNT ANT1 1-DH1 2441 00 One Burst Time



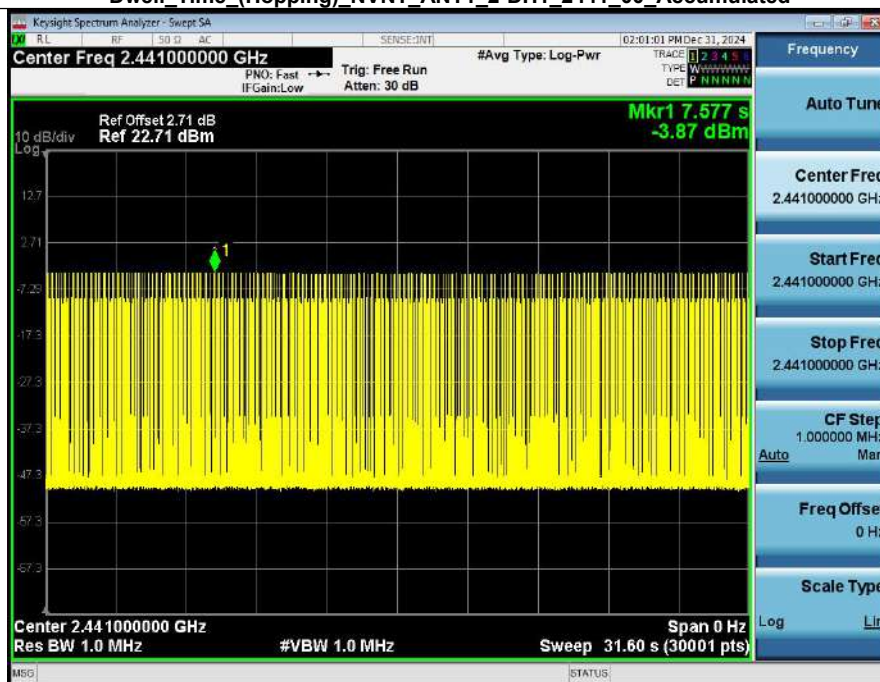
Dwell Time (Hopping) NVNT ANT1 1-DH1 2441 00 Accumulated



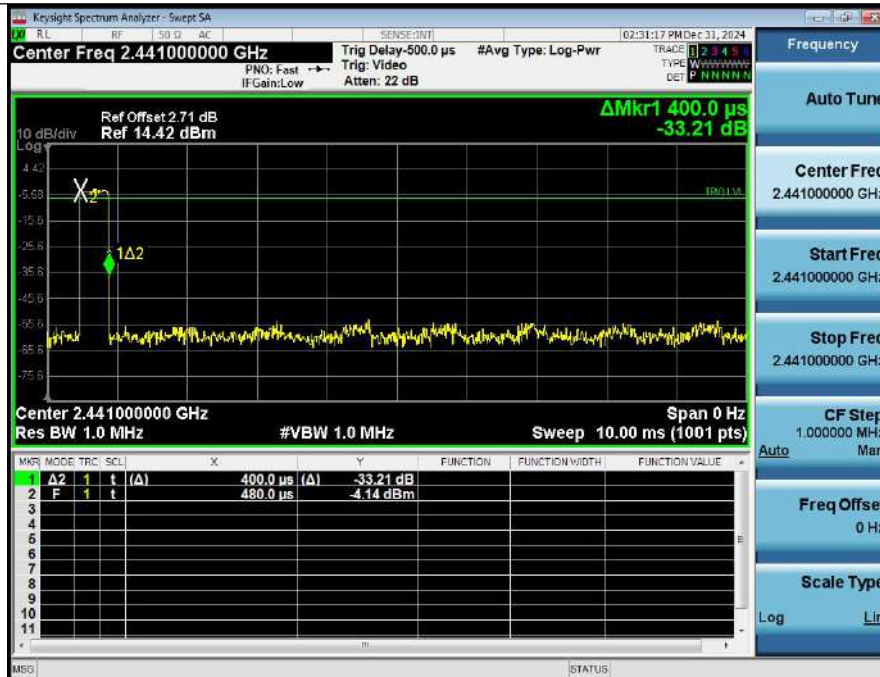
Dwell Time (Hopping) NVNT ANT1 2-DH1 2441 00 One Burst Time



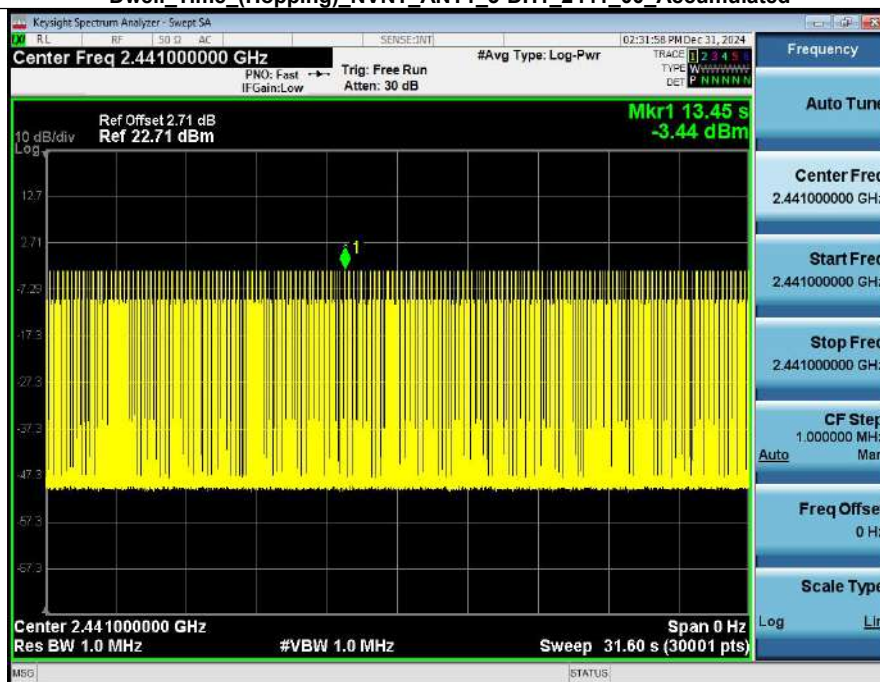
Dwell Time (Hopping) NVNT_ANT1_2-DH1_2441_00_Accumulated



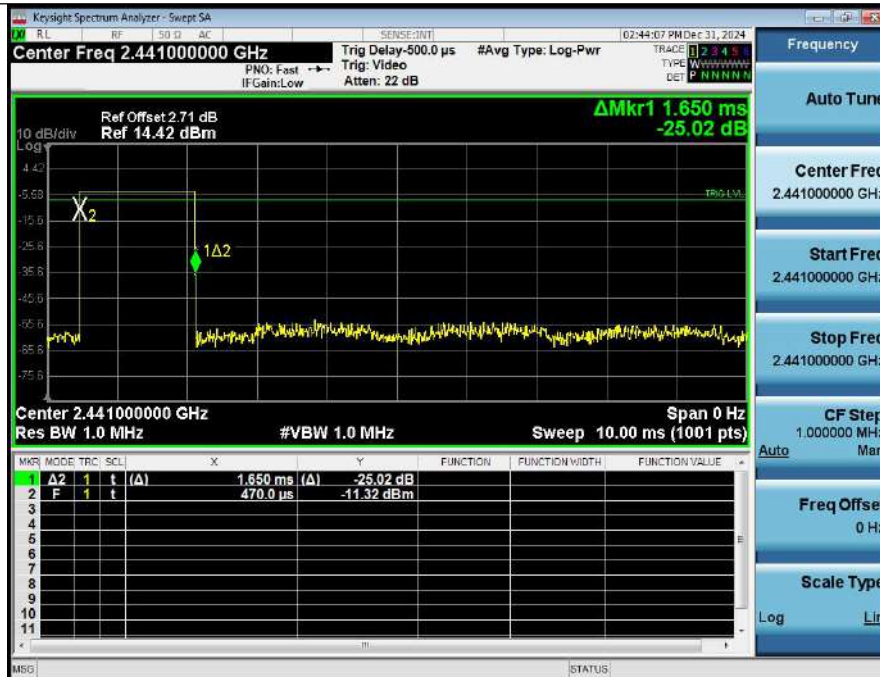
Dwell Time (Hopping) NVNT_ANT1_3-DH1_2441_00_One Burst Time



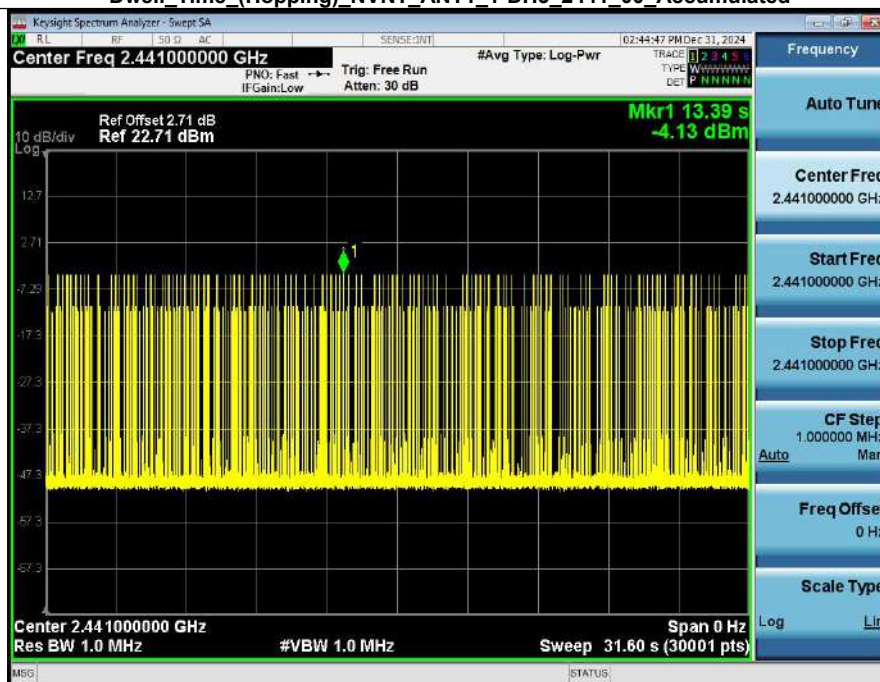
Dwell Time (Hopping) NVNT_ANT1_3-DH1_2441_00_Accumulated



Dwell Time (Hopping) NVNT_ANT1_1-DH3_2441_00_One Burst Time



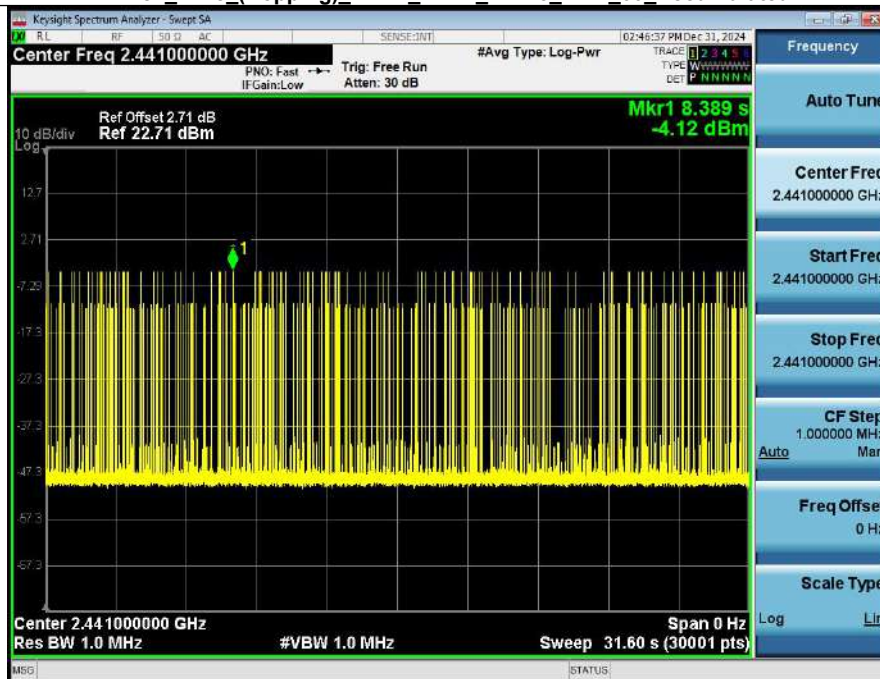
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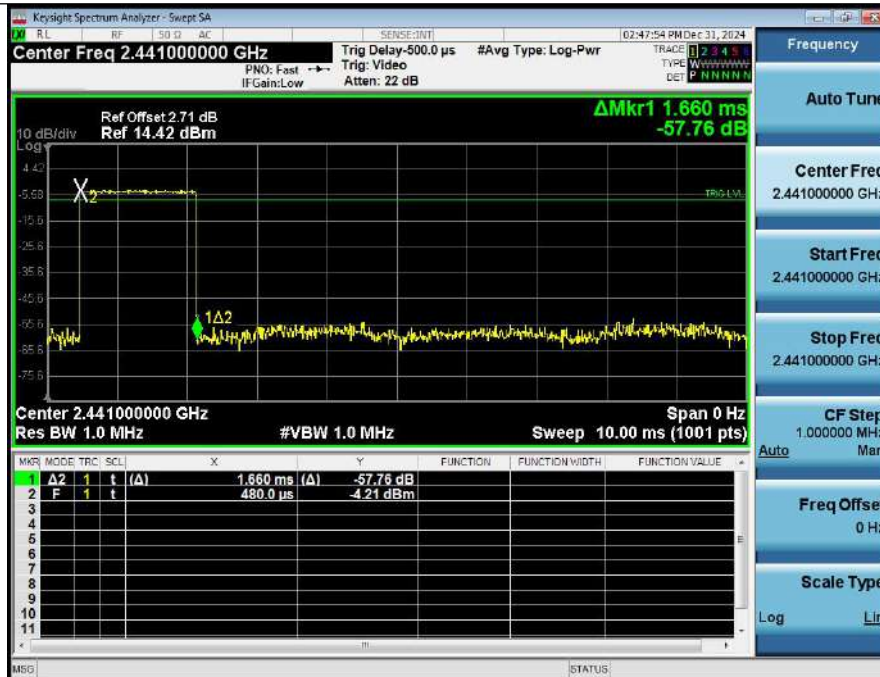
Dwell Time (Hopping) NVNT_ANT1_1-DH5_2441_00_One Burst Time



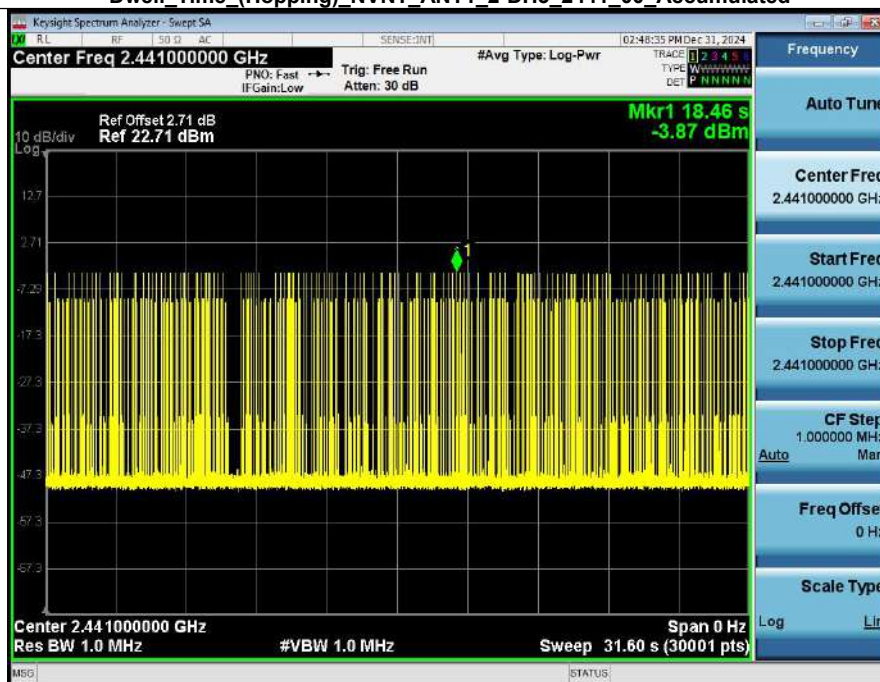
Dwell Time (Hopping) NVNT_ANT1_1-DH5_2441_00_Accumulated



Dwell Time (Hopping) NVNT_ANT1_2-DH3_2441_00_One Burst Time



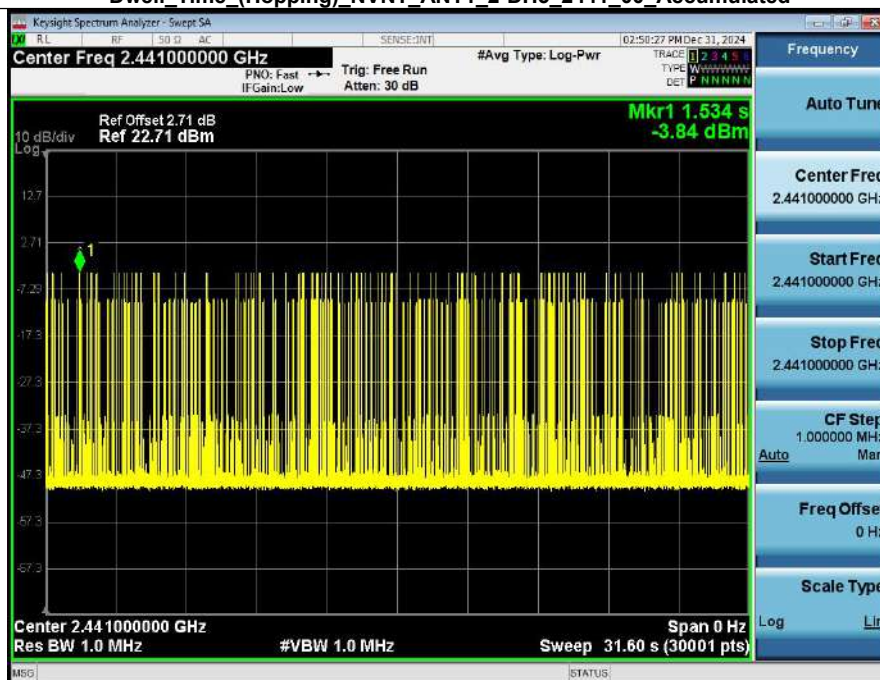
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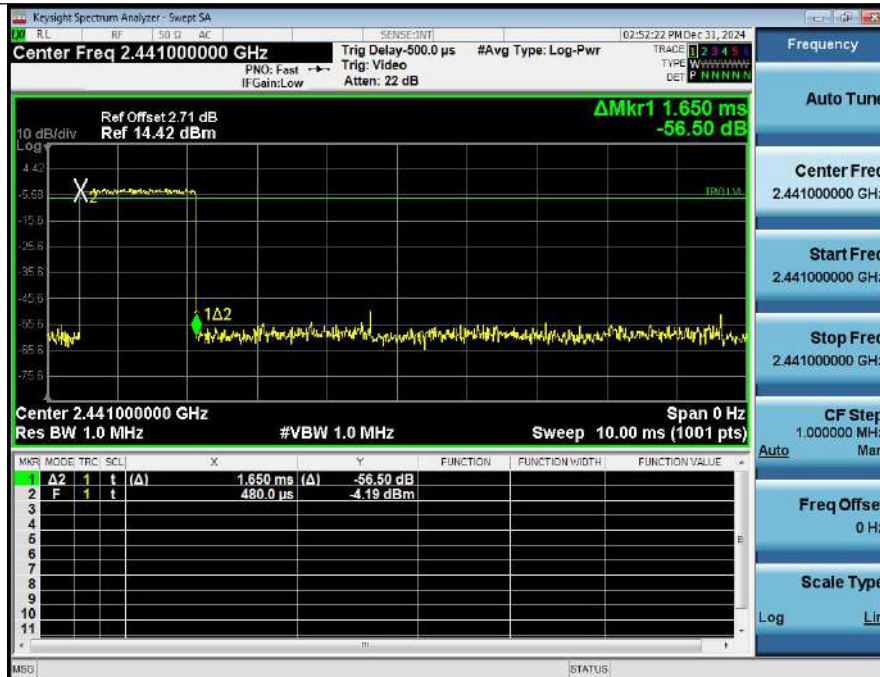
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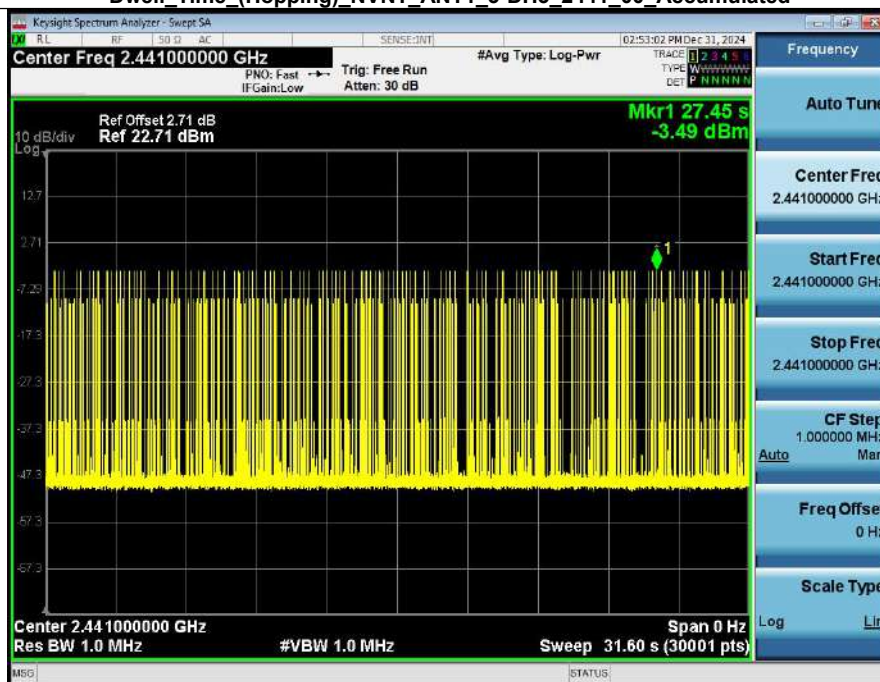
Dwell Time (Hopping) NVNT_ANT1_2-DH5_2441_00_Accumulated



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

