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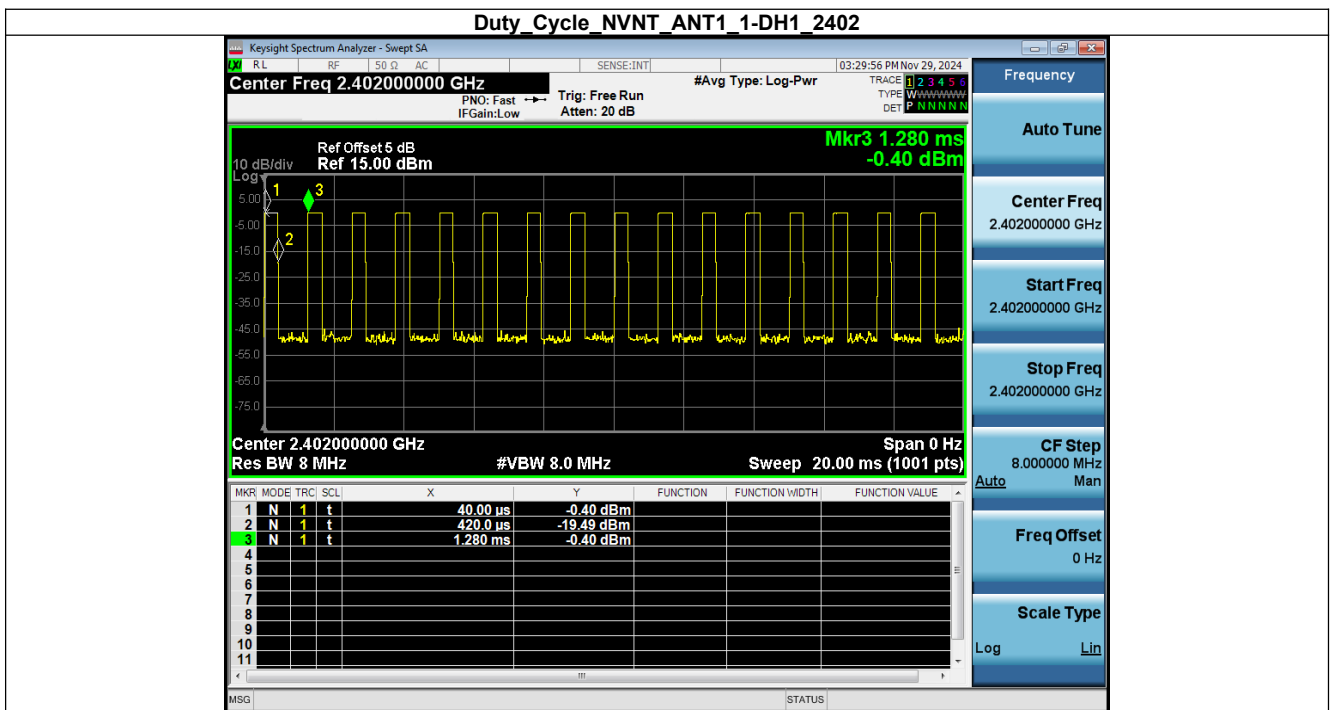
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FCC ID:2A4LH-PN-W29

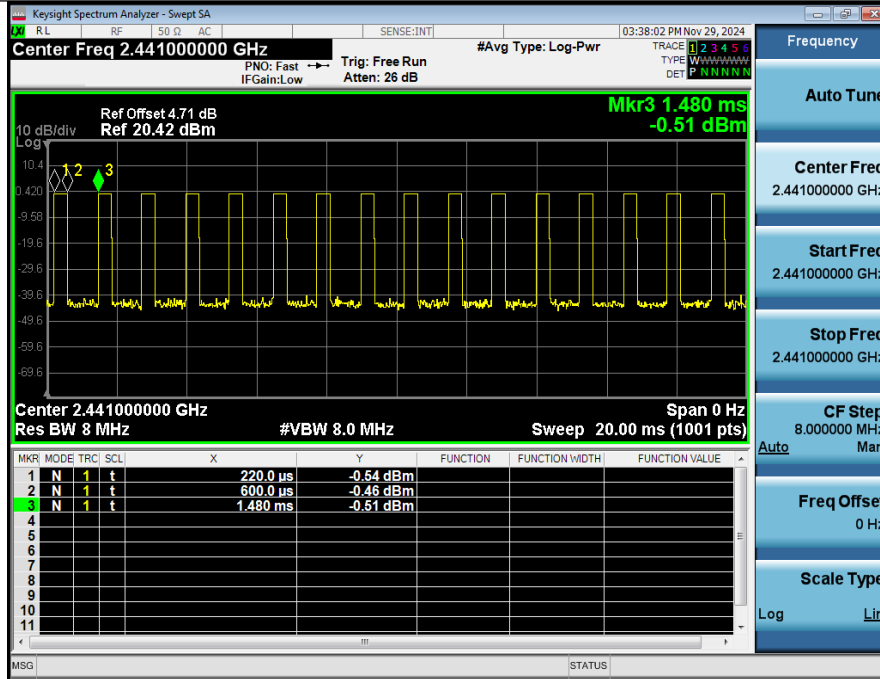
FCC_BT (Part15.247) Test Data

1. Duty Cycle

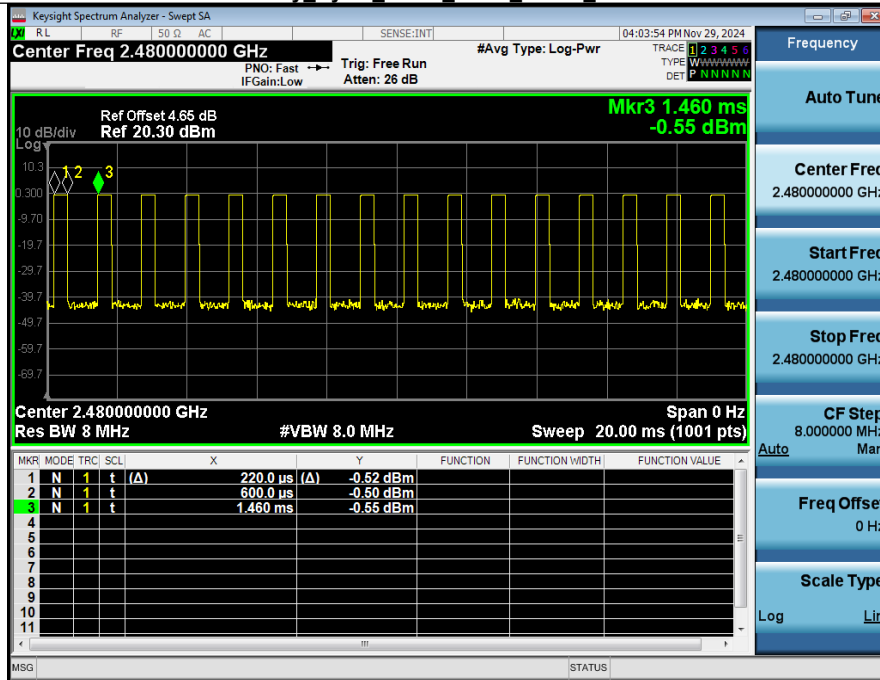
Condition	Antenna	Rate	Frequency (MHz)	Dutycycle(%)	Duty_factor
NVNT	ANT1	1-DH1	2402.00	30.65	5.14
NVNT	ANT1	1-DH1	2441.00	30.16	5.21
NVNT	ANT1	1-DH1	2480.00	30.65	5.14
NVNT	ANT1	2-DH1	2402.00	31.75	4.98
NVNT	ANT1	2-DH1	2441.00	31.75	4.98
NVNT	ANT1	2-DH1	2480.00	31.75	4.98
NVNT	ANT1	3-DH1	2402.00	30.65	5.14
NVNT	ANT1	3-DH1	2441.00	32.26	4.91
NVNT	ANT1	3-DH1	2480.00	33.33	4.77



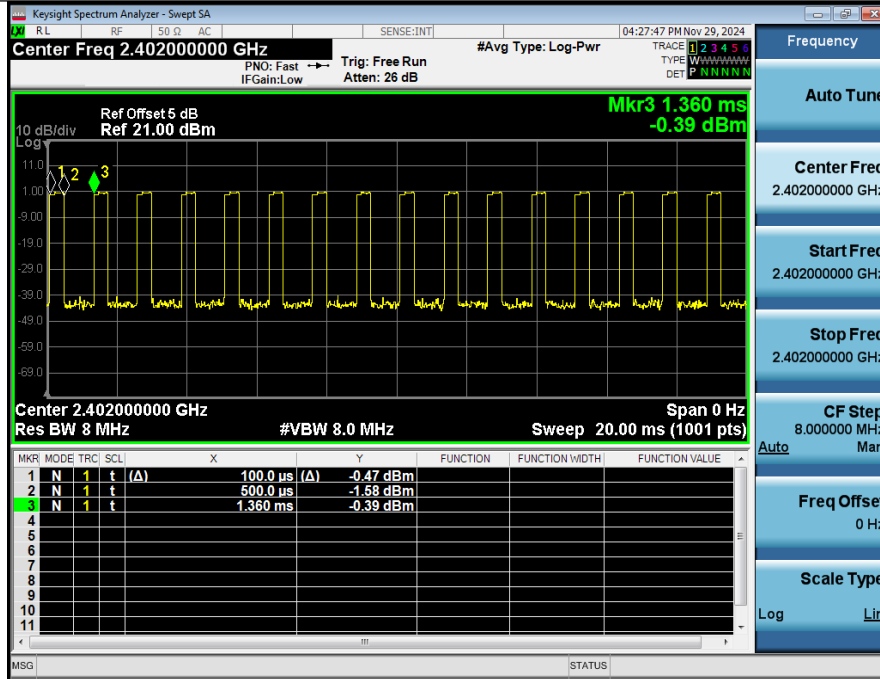
Duty Cycle NVNT_ANT1_1-DH1_2441



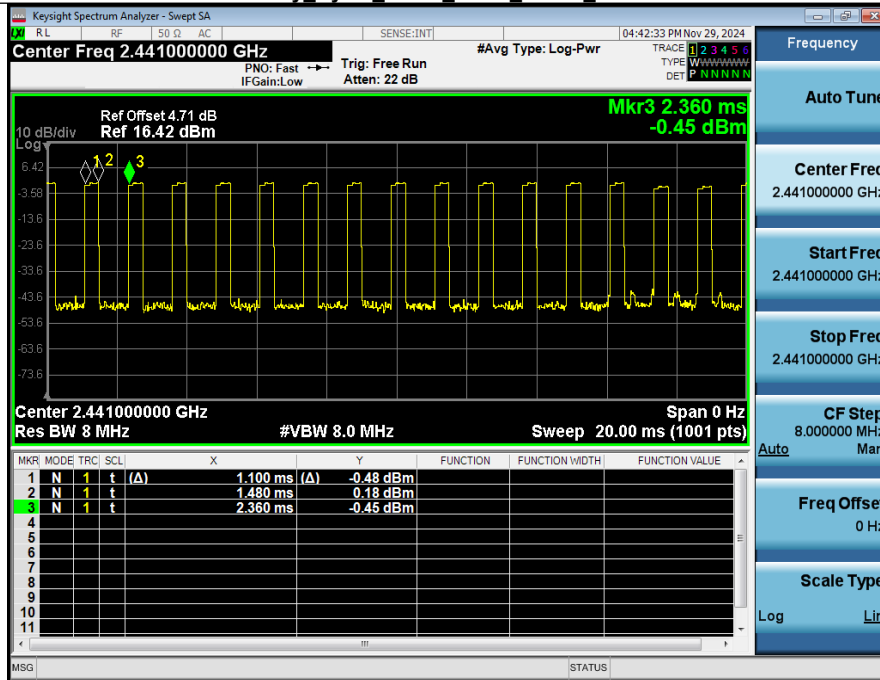
Duty Cycle NVNT_ANT1_1-DH1_2480



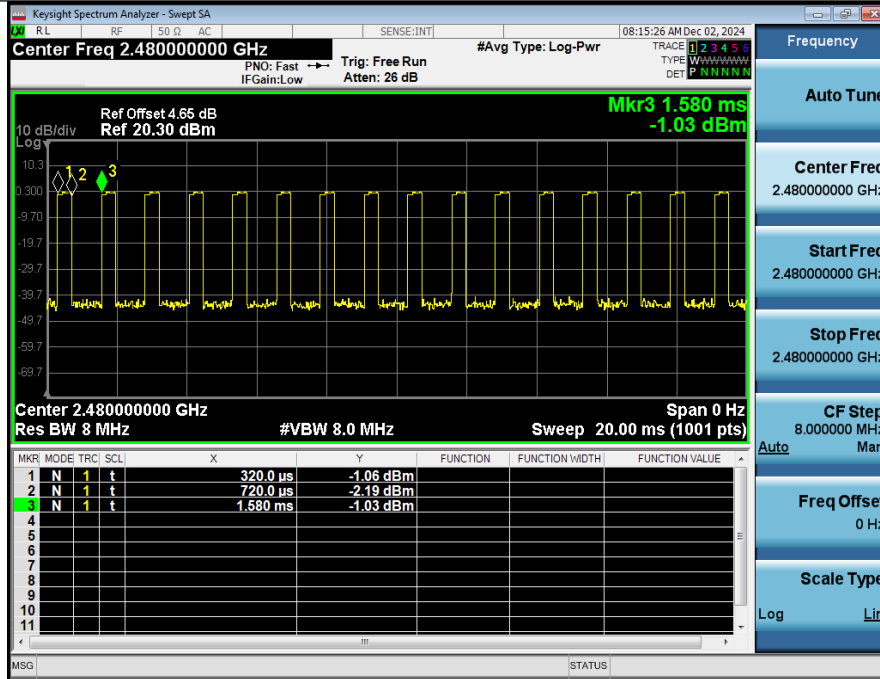
Duty Cycle NVNT_ANT1_2-DH1_2402



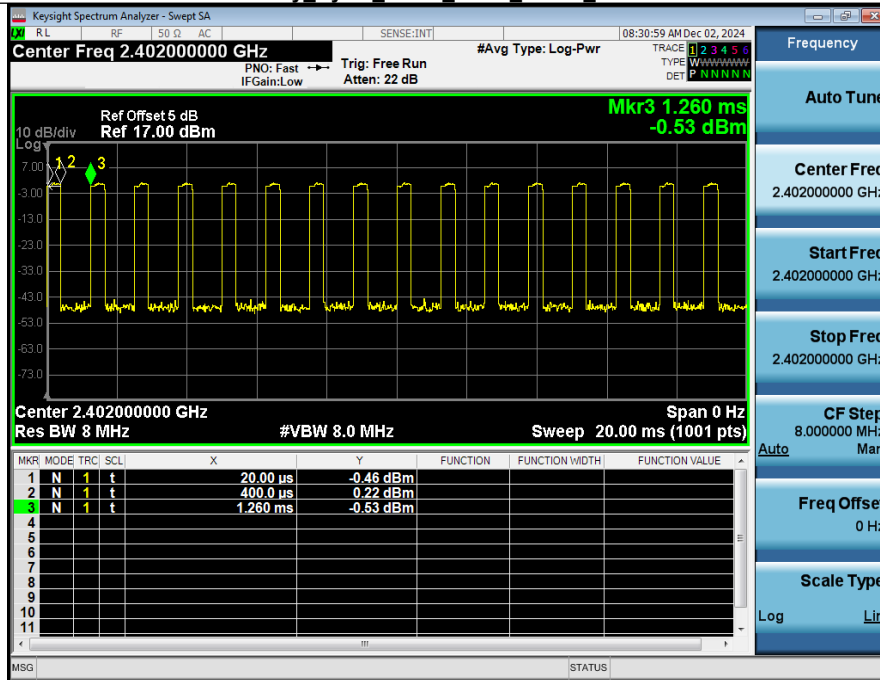
Duty Cycle NVNT_ANT1_2-DH1_2441



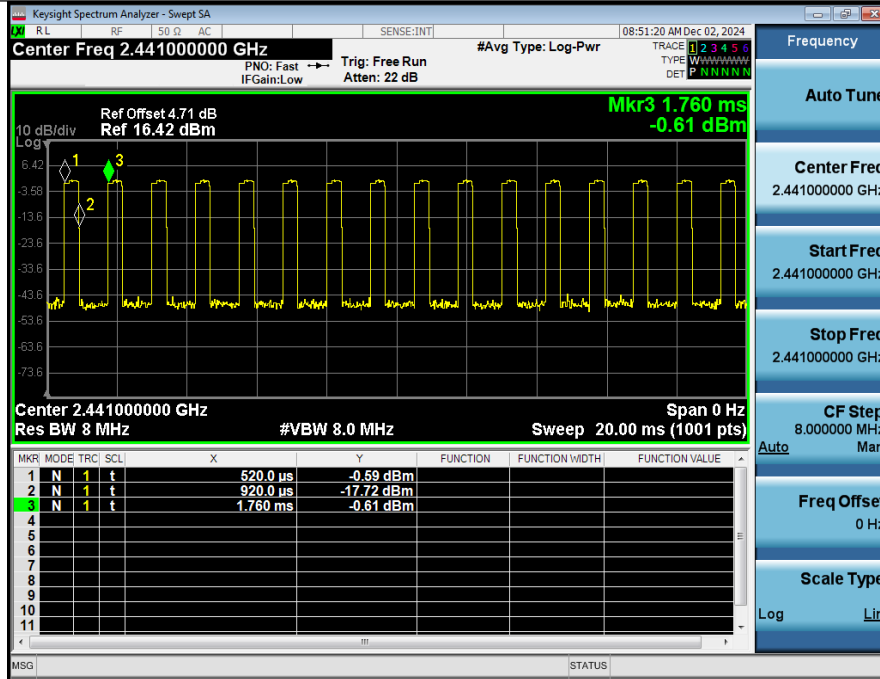
Duty Cycle NVNT_ANT1_2-DH1_2480



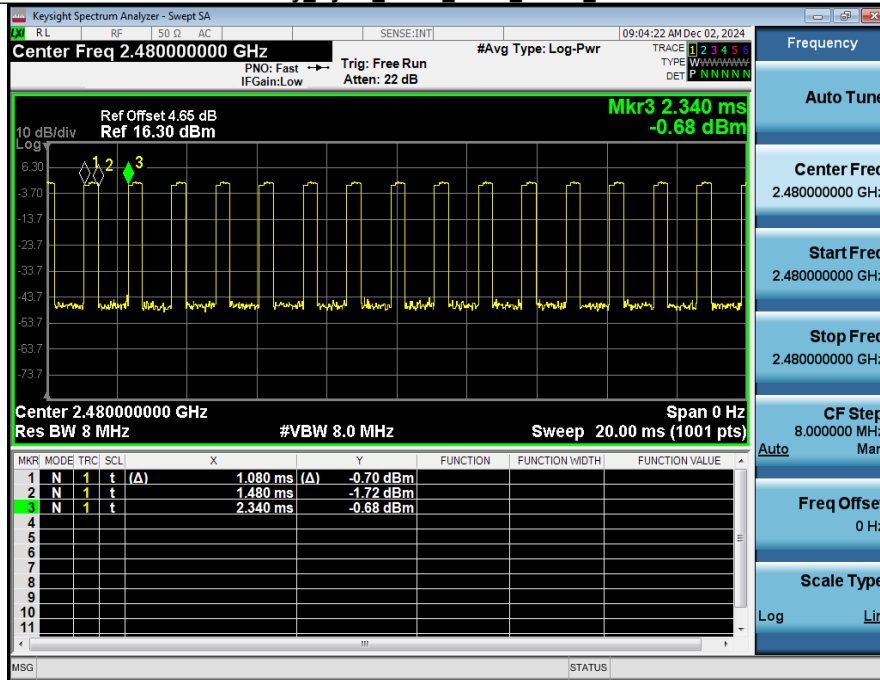
Duty Cycle NVNT_ANT1_3-DH1_2402



Duty Cycle NVNT_ANT1_3-DH1_2441

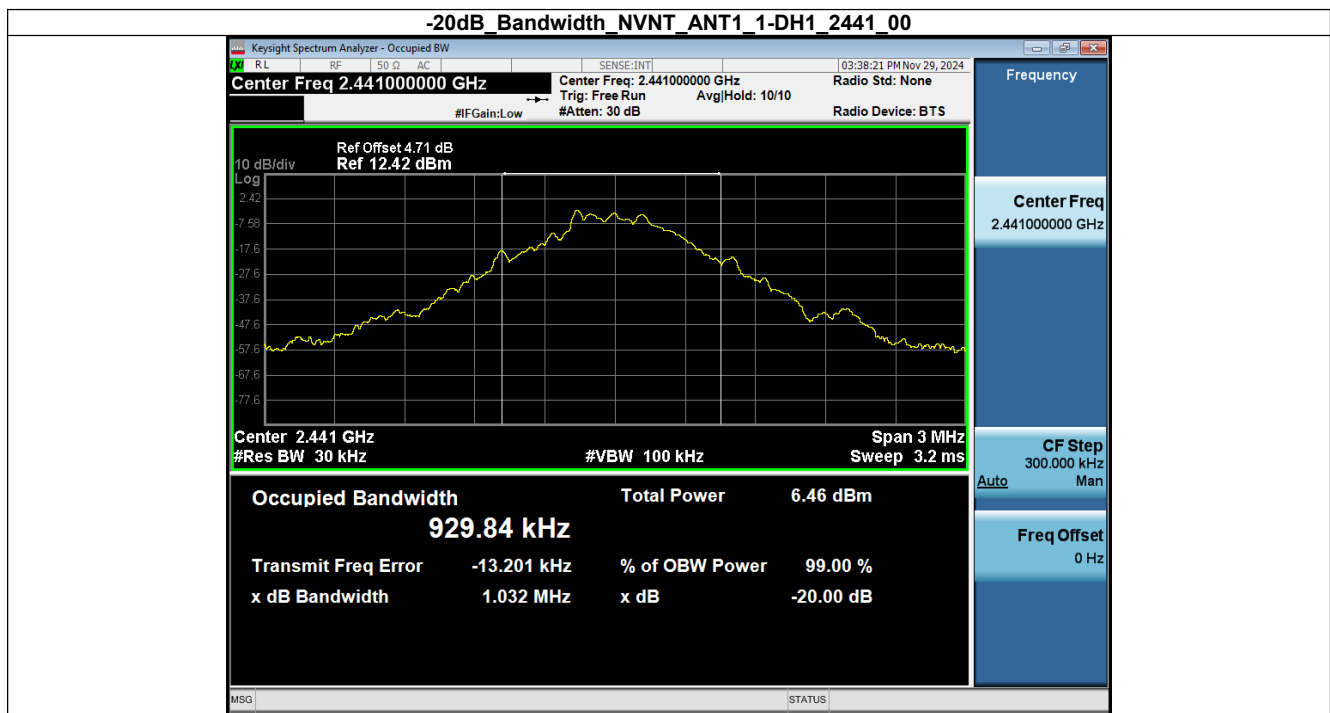
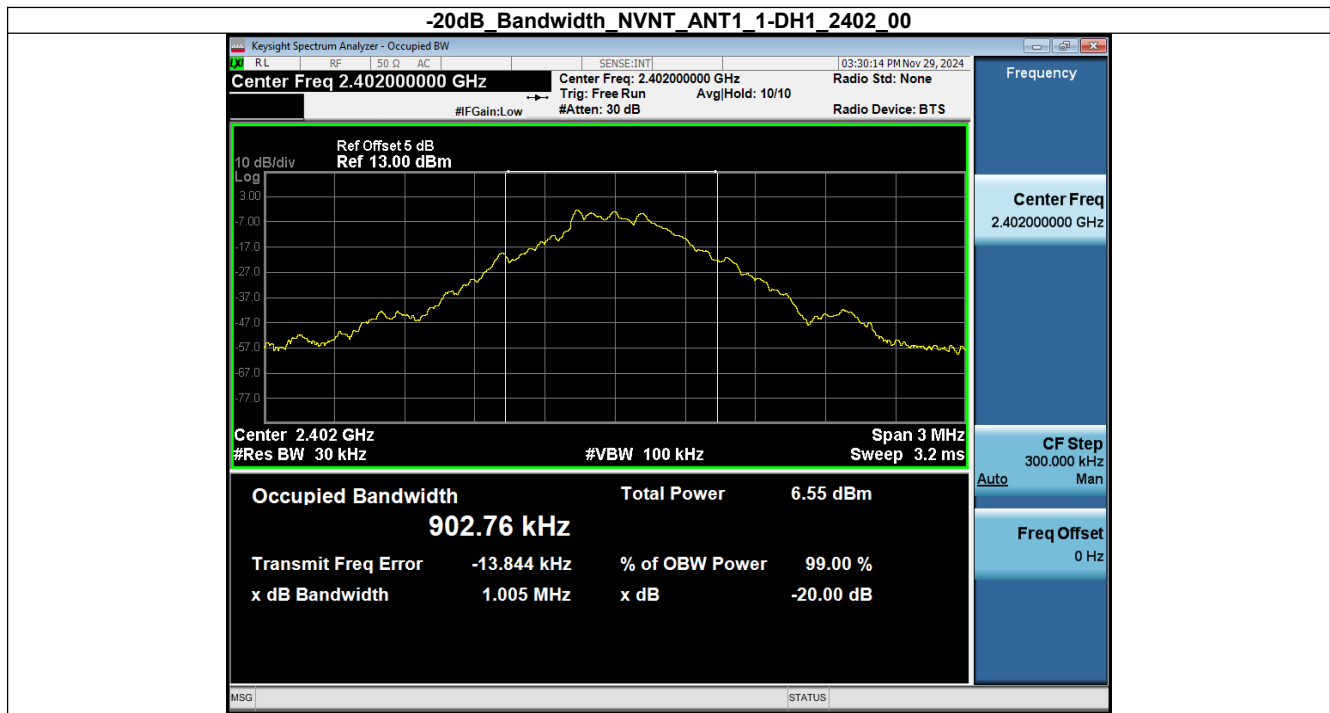


Duty Cycle NVNT_ANT1_3-DH1_2480

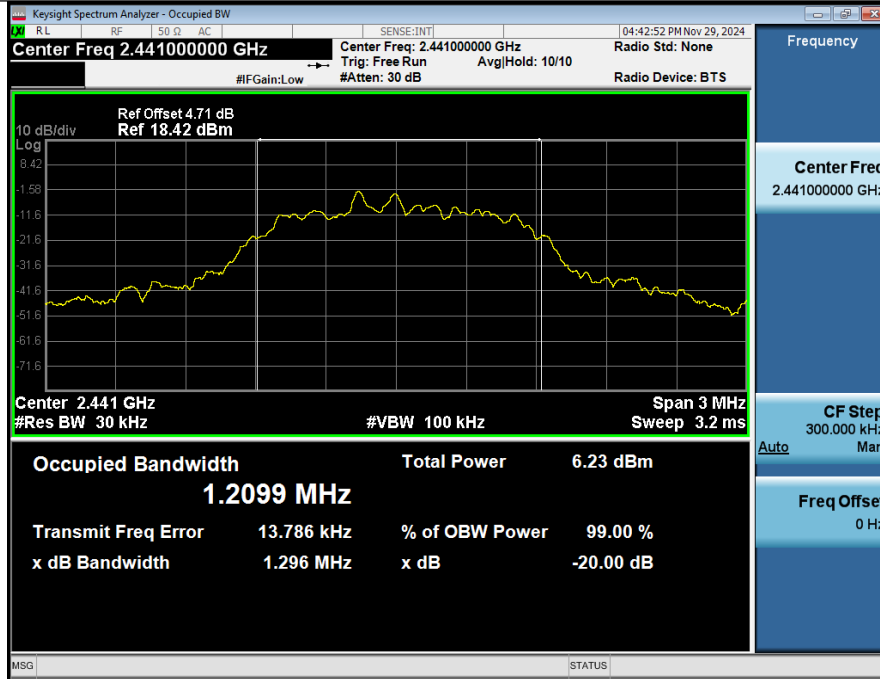


2. -20dB Bandwidth

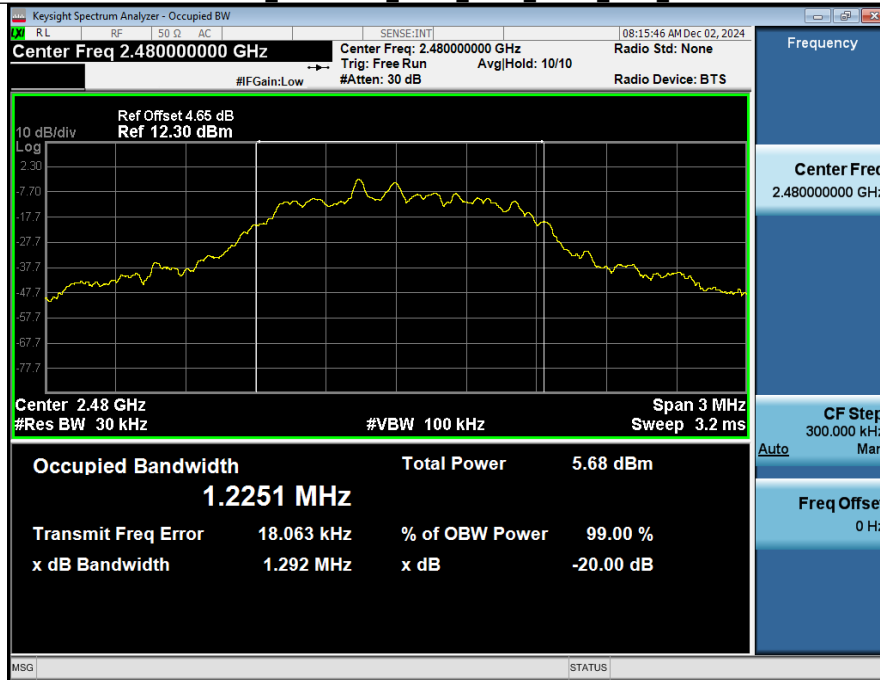
Condition	Antenna	Modulation	Frequency (MHz)	-20dB BW(MHz)	if larger than CFS
NVNT	ANT1	1-DH1	2402.00	1.005	Yes
NVNT	ANT1	1-DH1	2441.00	1.032	Yes
NVNT	ANT1	1-DH1	2480.00	1.041	Yes
NVNT	ANT1	2-DH1	2402.00	1.294	Yes
NVNT	ANT1	2-DH1	2441.00	1.296	Yes
NVNT	ANT1	2-DH1	2480.00	1.292	Yes
NVNT	ANT1	3-DH1	2402.00	1.260	Yes
NVNT	ANT1	3-DH1	2441.00	1.256	Yes
NVNT	ANT1	3-DH1	2480.00	1.282	Yes



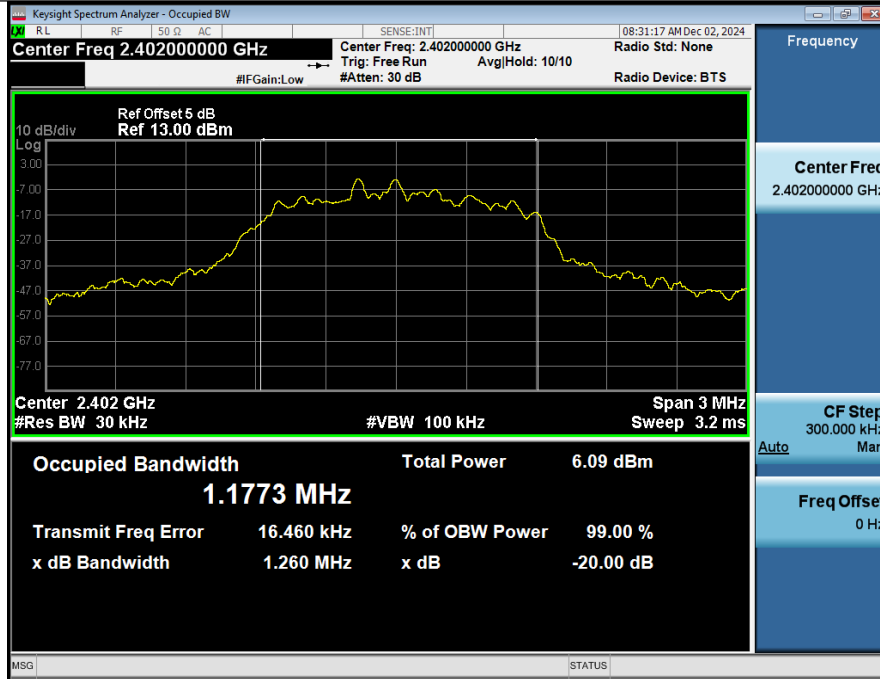
-20dB_Bandwidth_NVNT_ANT1_2-DH1_2441_00



-20dB_Bandwidth_NVNT_ANT1_2-DH1_2480_00



-20dB_Bandwidth_NVNT_ANT1_3-DH1_2402_00



-20dB_Bandwidth_NVNT_ANT1_3-DH1_2441_00

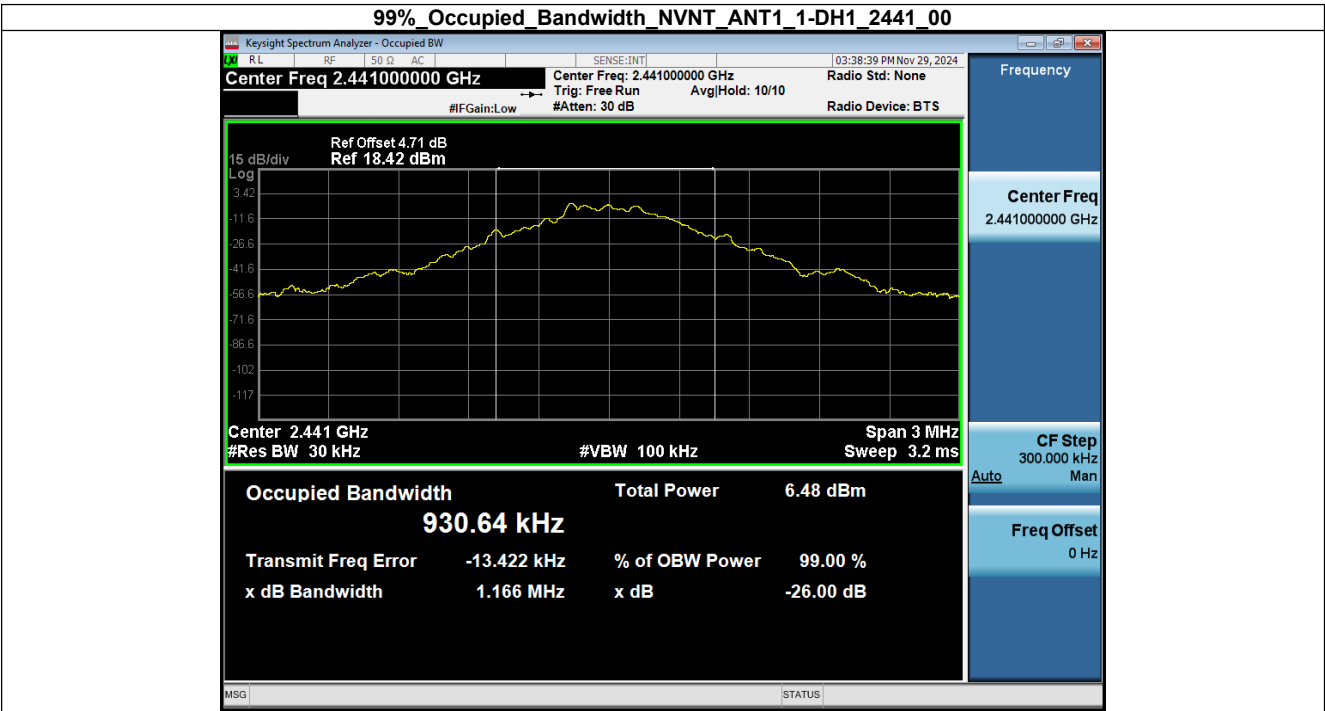
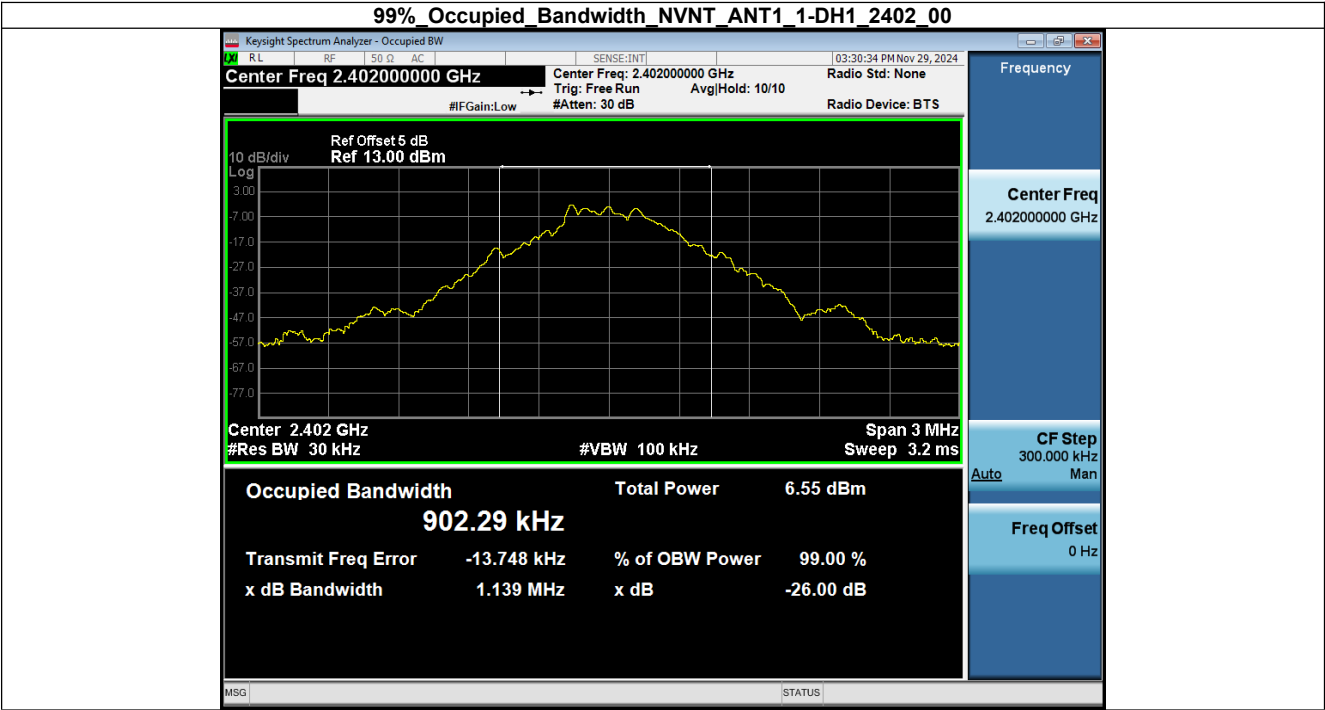


-20dB_Bandwidth_NVNT_ANT1_3-DH1_2480_00

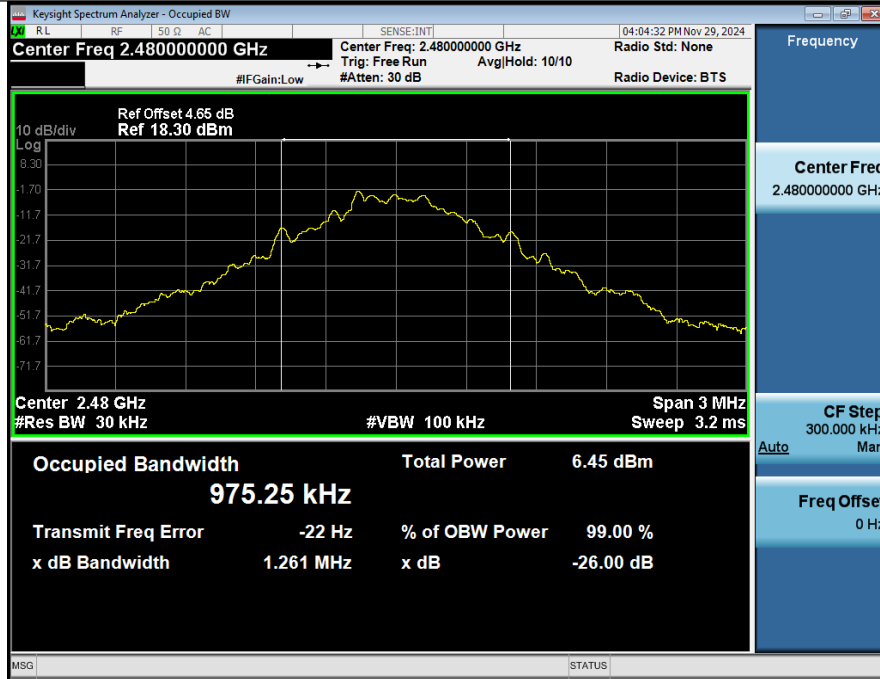


3. 99% Occupied Bandwidth

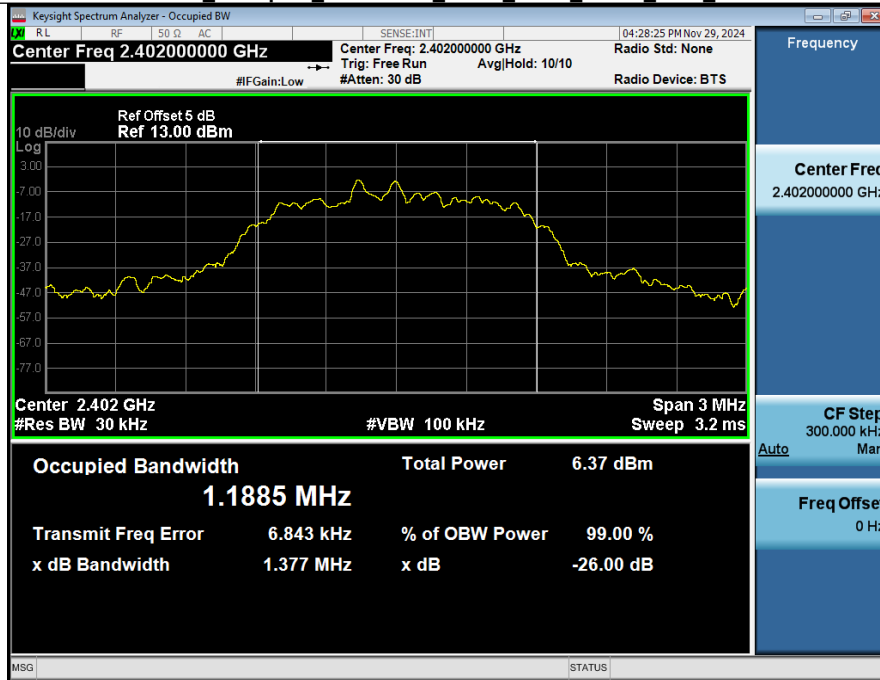
Condition	Antenna	Modulation	Frequency (MHz)	99% BW(MHz)
NVNT	ANT1	1-DH1	2402.00	0.902
NVNT	ANT1	1-DH1	2441.00	0.931
NVNT	ANT1	1-DH1	2480.00	0.975
NVNT	ANT1	2-DH1	2402.00	1.189
NVNT	ANT1	2-DH1	2441.00	1.211
NVNT	ANT1	2-DH1	2480.00	2.971
NVNT	ANT1	3-DH1	2402.00	1.177
NVNT	ANT1	3-DH1	2441.00	1.188
NVNT	ANT1	3-DH1	2480.00	1.200



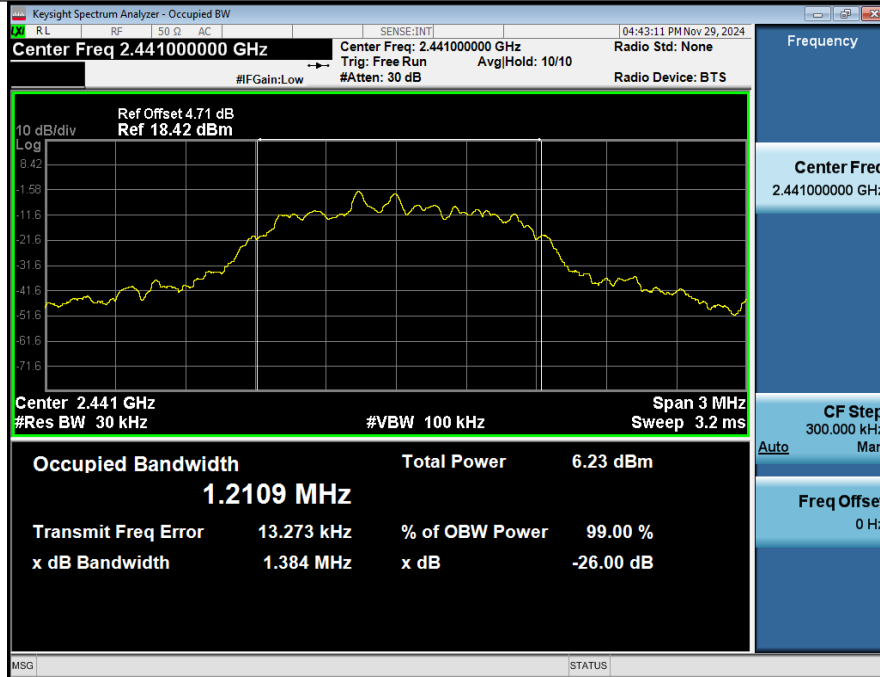
99% Occupied Bandwidth NVNT_ANT1_1-DH1_2480_00



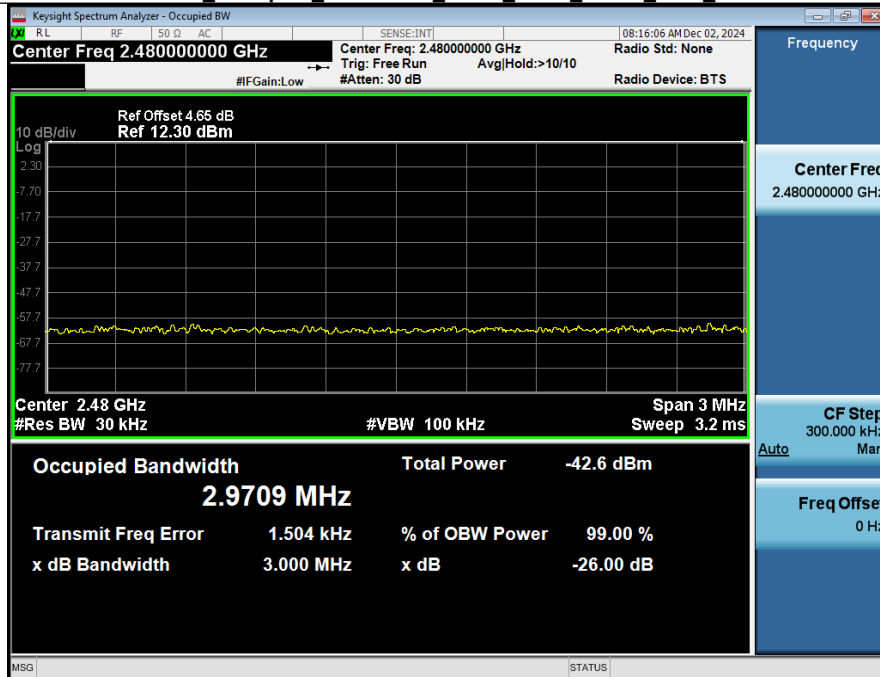
99% Occupied Bandwidth NVNT_ANT1_2-DH1_2402_00



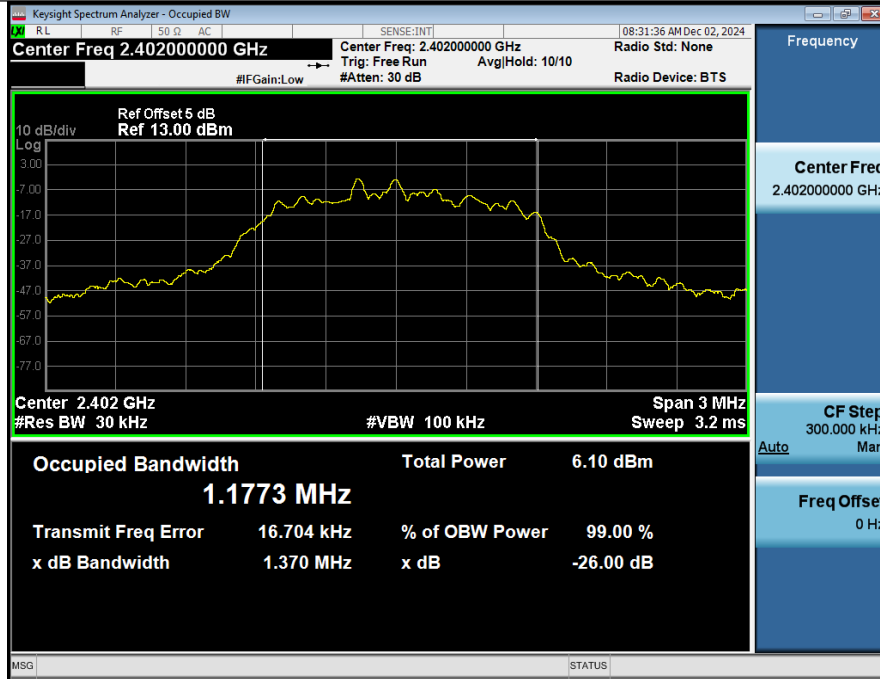
99% Occupied Bandwidth NVNT_ANT1_2-DH1_2441_00



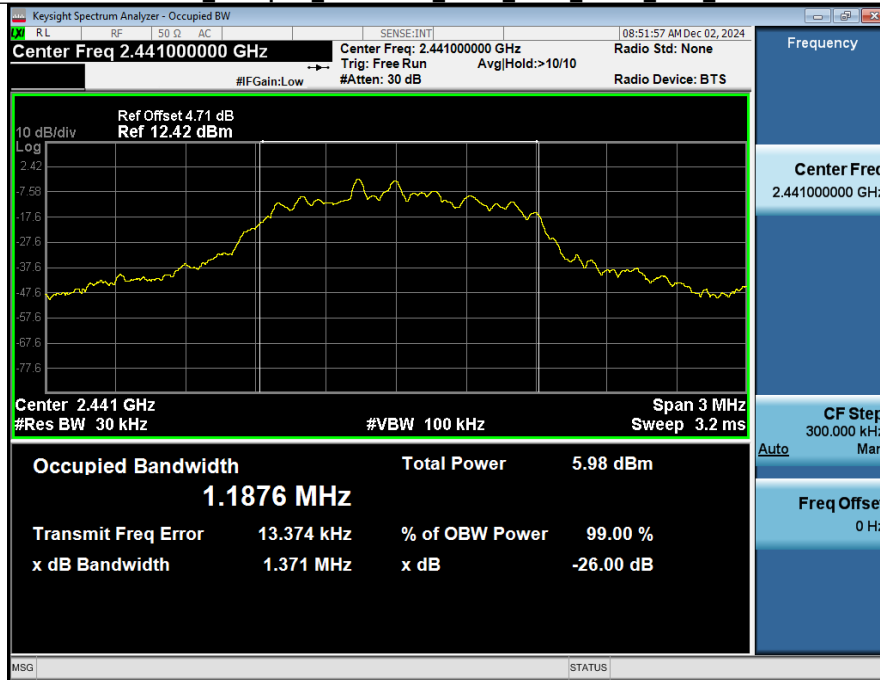
99% Occupied Bandwidth NVNT_ANT1_2-DH1_2480_00



99% Occupied Bandwidth NVNT_ANT1_3-DH1_2402_00



99% Occupied Bandwidth NVNT_ANT1_3-DH1_2441_00

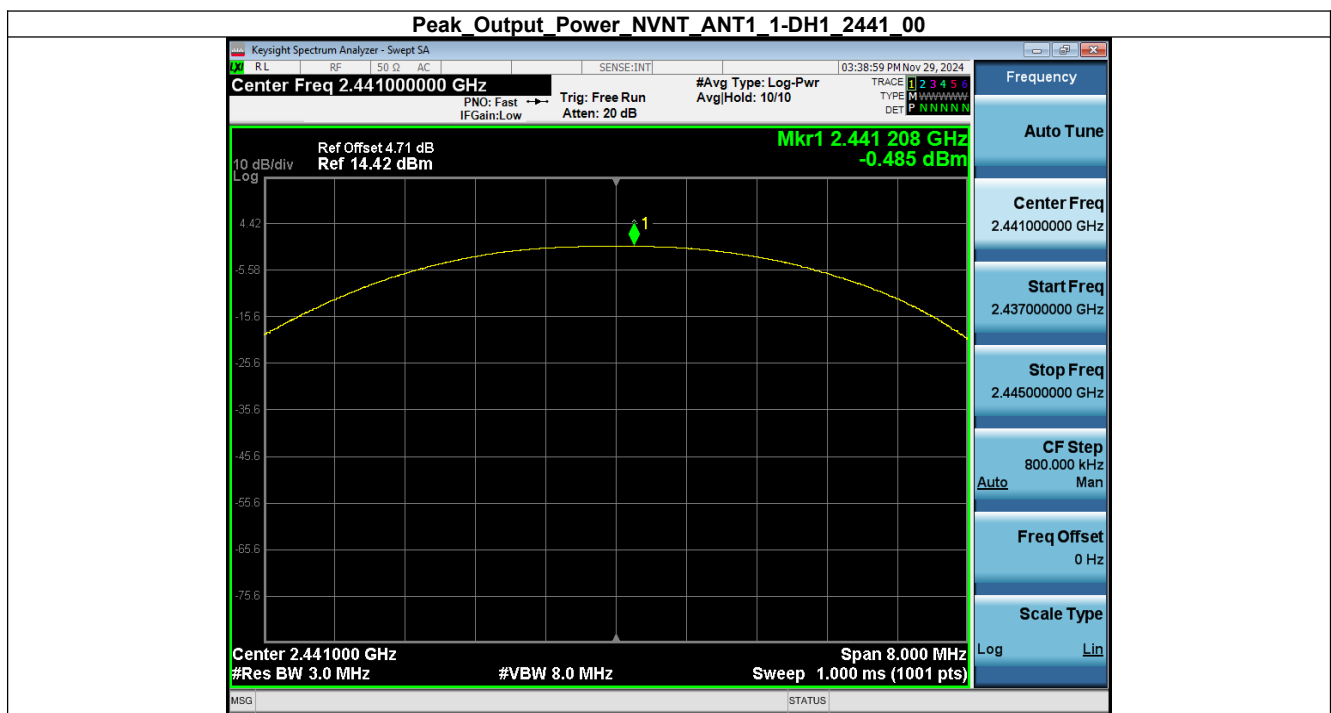
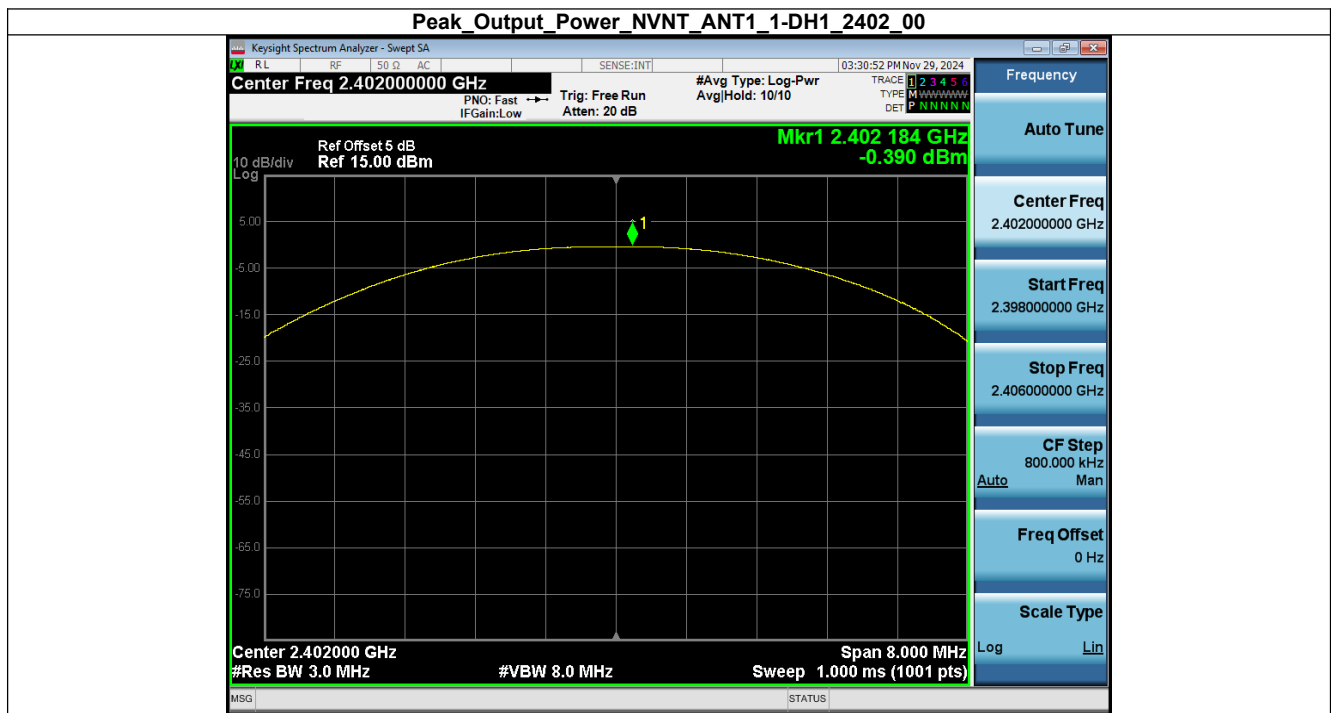


99% Occupied Bandwidth NVNT_ANT1_3-DH1_2480_00

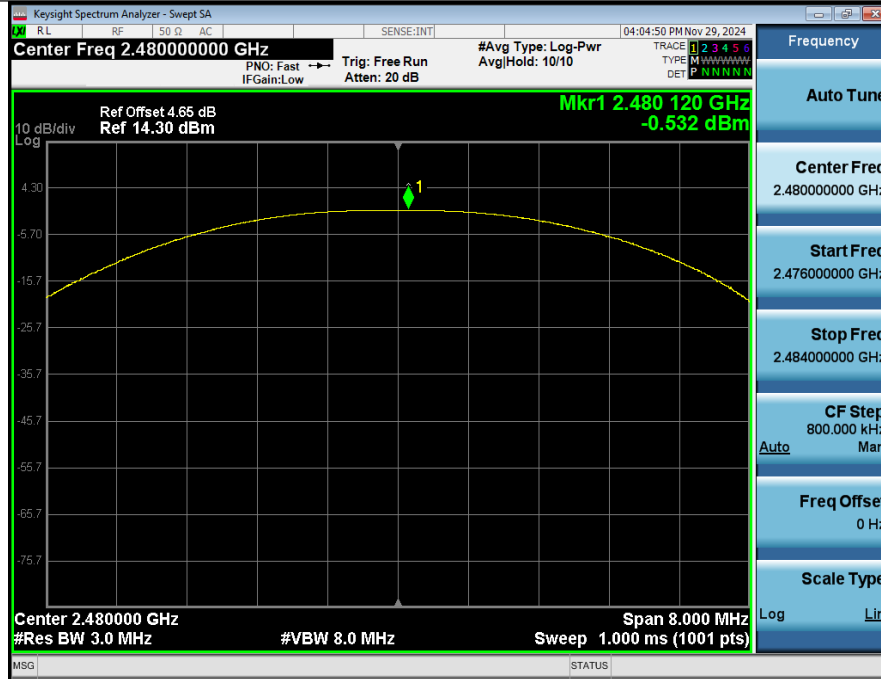


4. Peak Output Power

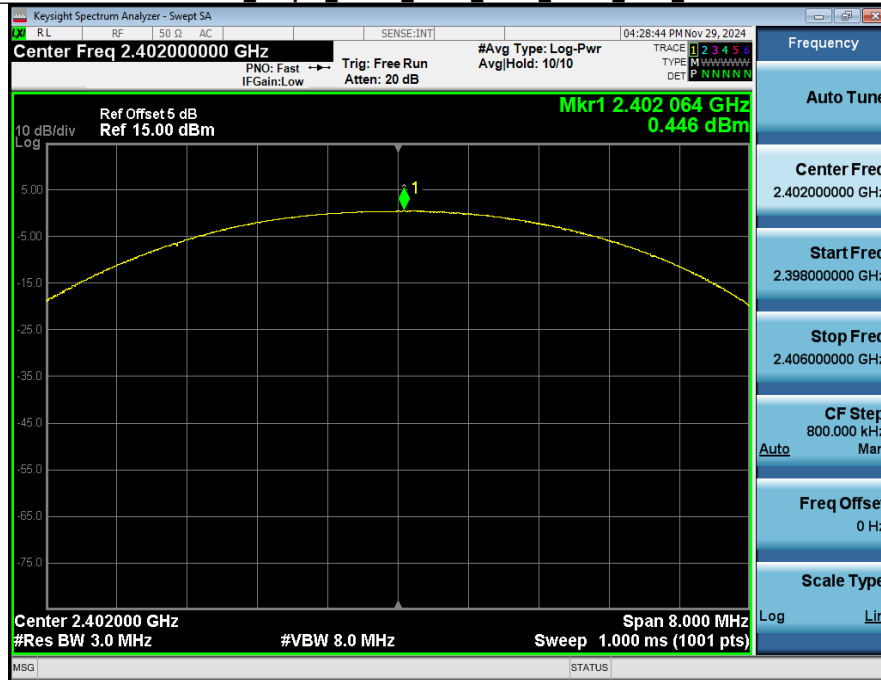
Condition	Antenna	Modulation	Frequency (MHz)	Max. Conducted Power(dBm)	Max. Conducted Power(mW)	Limit(mW)	Result
NVNT	ANT1	1-DH1	2402.00	-0.39	0.91	125	Pass
NVNT	ANT1	1-DH1	2441.00	-0.48	0.89	125	Pass
NVNT	ANT1	1-DH1	2480.00	-0.53	0.88	125	Pass
NVNT	ANT1	2-DH1	2402.00	0.45	1.11	125	Pass
NVNT	ANT1	2-DH1	2441.00	0.35	1.08	125	Pass
NVNT	ANT1	2-DH1	2480.00	-0.10	0.98	125	Pass
NVNT	ANT1	3-DH1	2402.00	0.89	1.23	125	Pass
NVNT	ANT1	3-DH1	2441.00	0.80	1.20	125	Pass
NVNT	ANT1	3-DH1	2480.00	0.72	1.18	125	Pass



Peak Output Power_NVNT_ANT1_1-DH1_2480_00



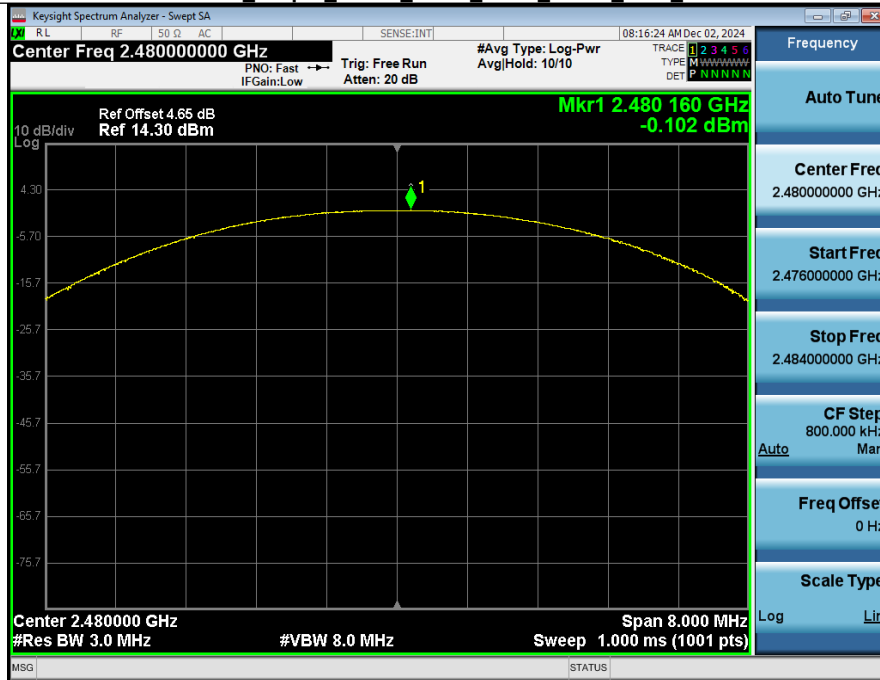
Peak Output Power_NVNT_ANT1_2-DH1_2402_00



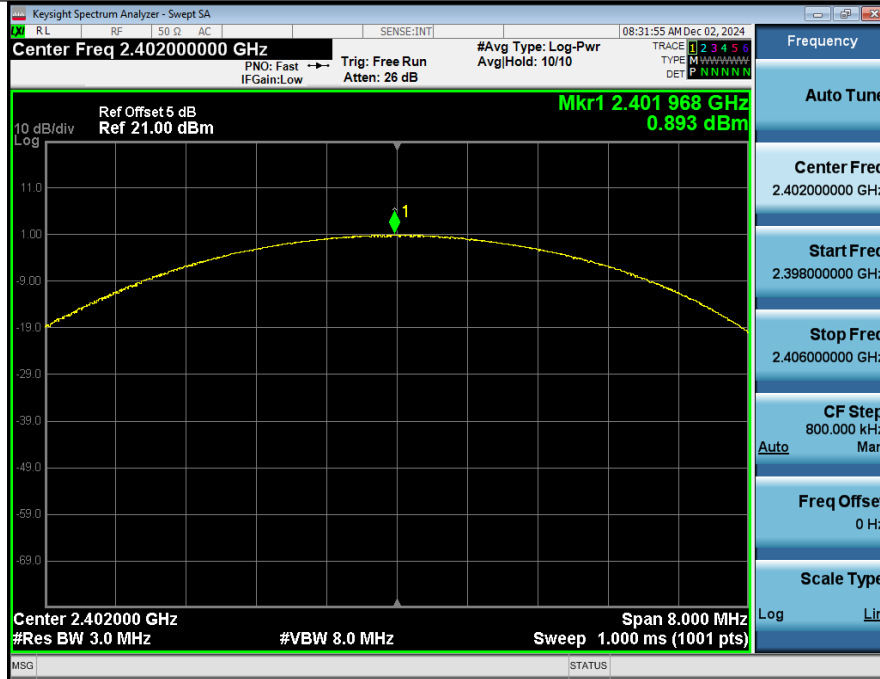
Peak Output Power_NVNT_ANT1_2-DH1_2441_00



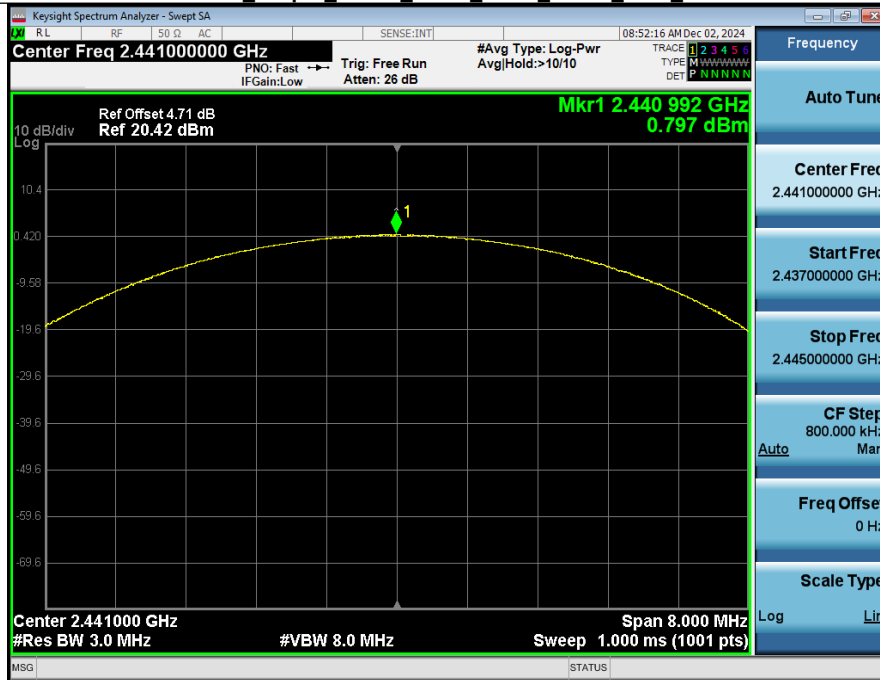
Peak Output Power_NVNT_ANT1_2-DH1_2480_00



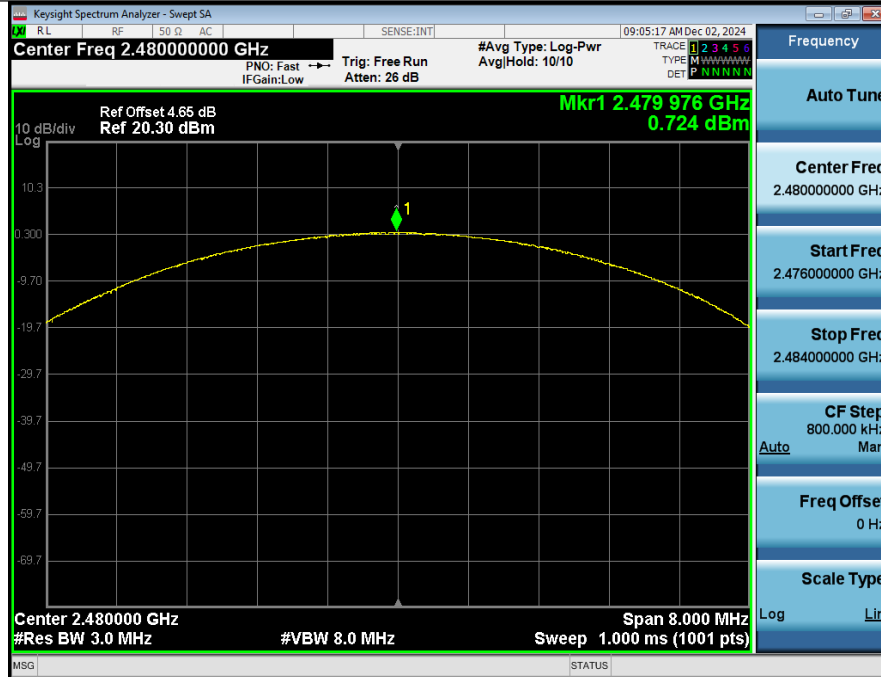
Peak Output Power_NVNT_ANT1_3-DH1_2402_00



Peak Output Power_NVNT_ANT1_3-DH1_2441_00

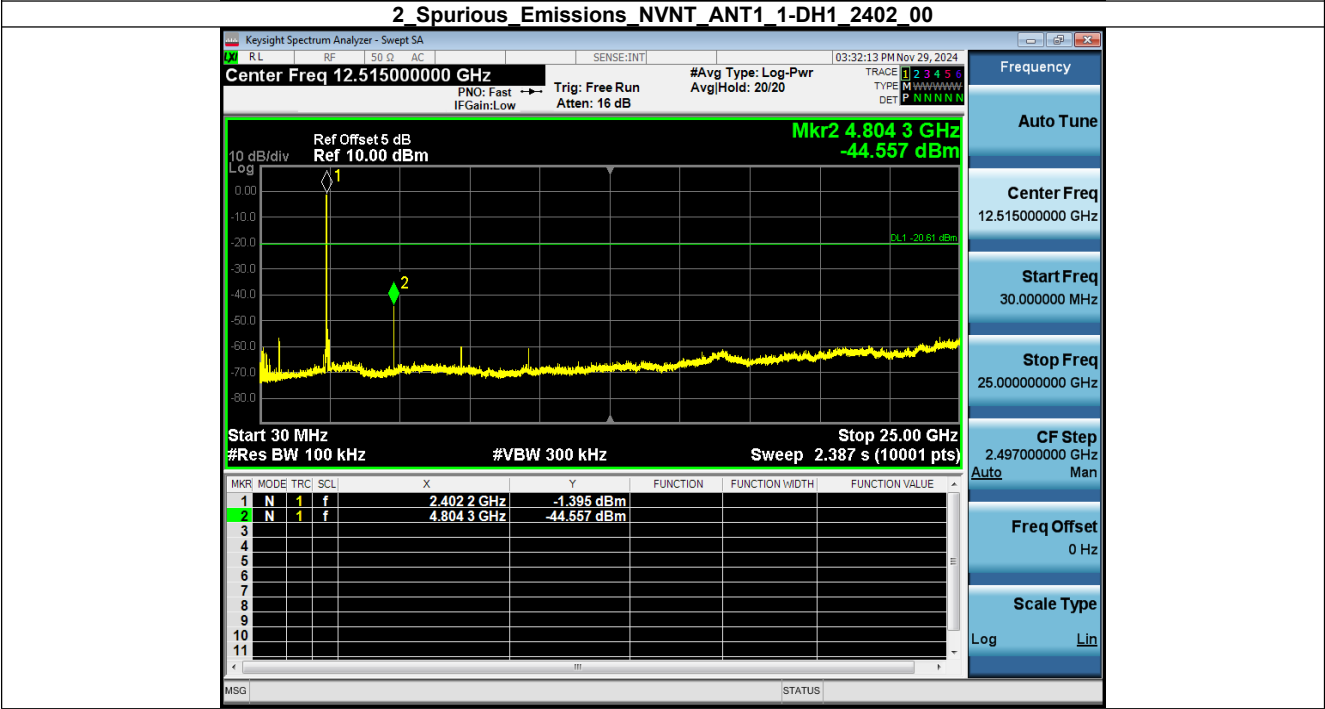
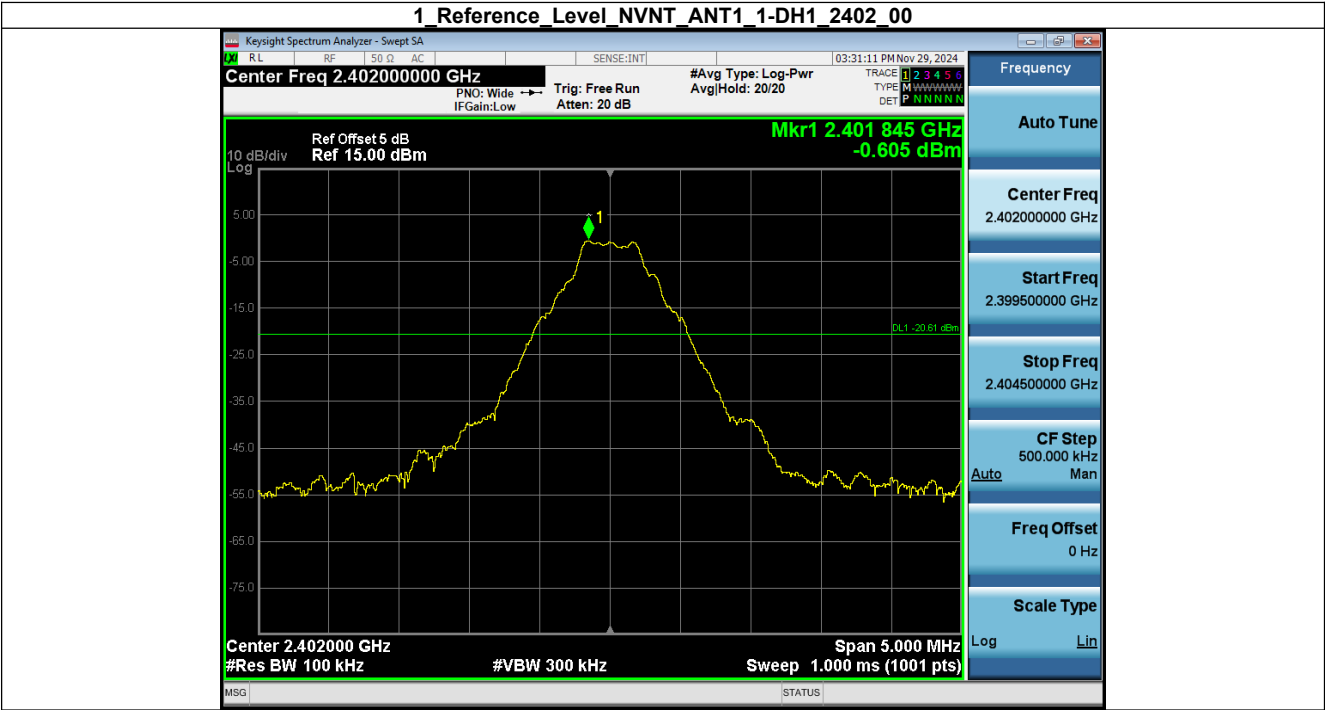


Peak_Output_Power_NVNT_ANT1_3-DH1_2480_00

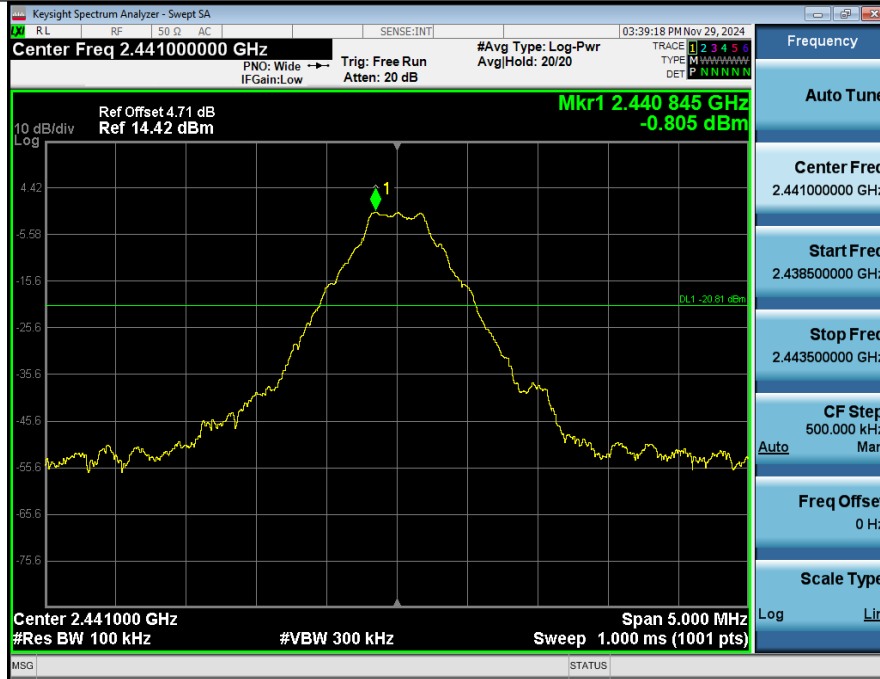


5. Spurious Emissions

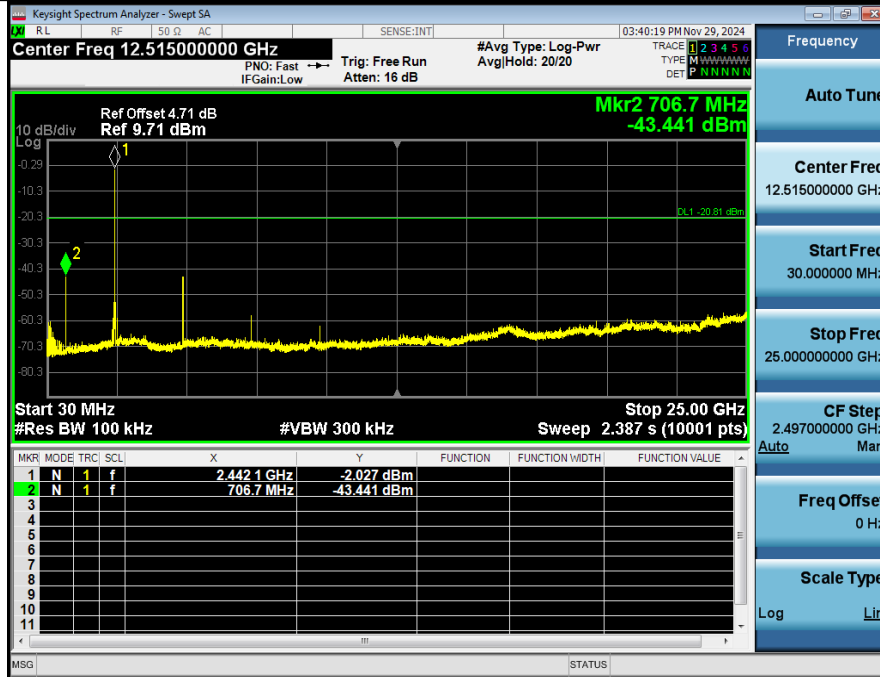
Condition	Antenna	Modulation	TX Mode	Spurious MAX.Value(dBm)	Limit	Result
NVNT	ANT1	1-DH1	2402.00	-44.557	-20.605	Pass
NVNT	ANT1	1-DH1	2441.00	-43.441	-20.805	Pass
NVNT	ANT1	1-DH1	2480.00	-44.453	-20.856	Pass
NVNT	ANT1	2-DH1	2402.00	-44.740	-20.593	Pass
NVNT	ANT1	2-DH1	2441.00	-43.616	-20.721	Pass
NVNT	ANT1	2-DH1	2480.00	-32.178	-21.305	Pass
NVNT	ANT1	3-DH1	2402.00	-42.003	-20.666	Pass
NVNT	ANT1	3-DH1	2441.00	-44.756	-20.803	Pass
NVNT	ANT1	3-DH1	2480.00	-42.750	-21.000	Pass



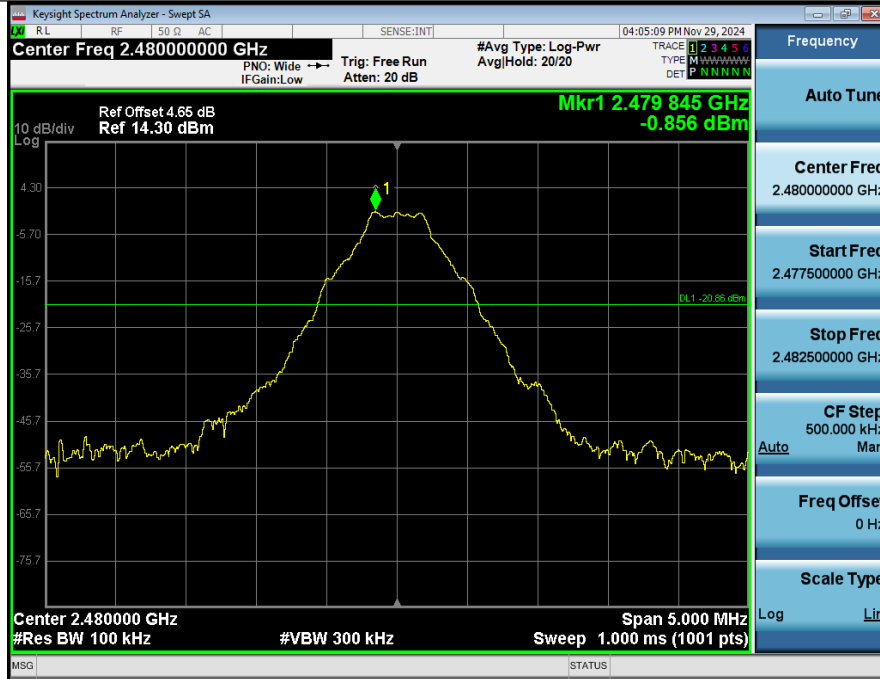
1_Reference_Level_NVNT_ANT1_1-DH1_2441_00



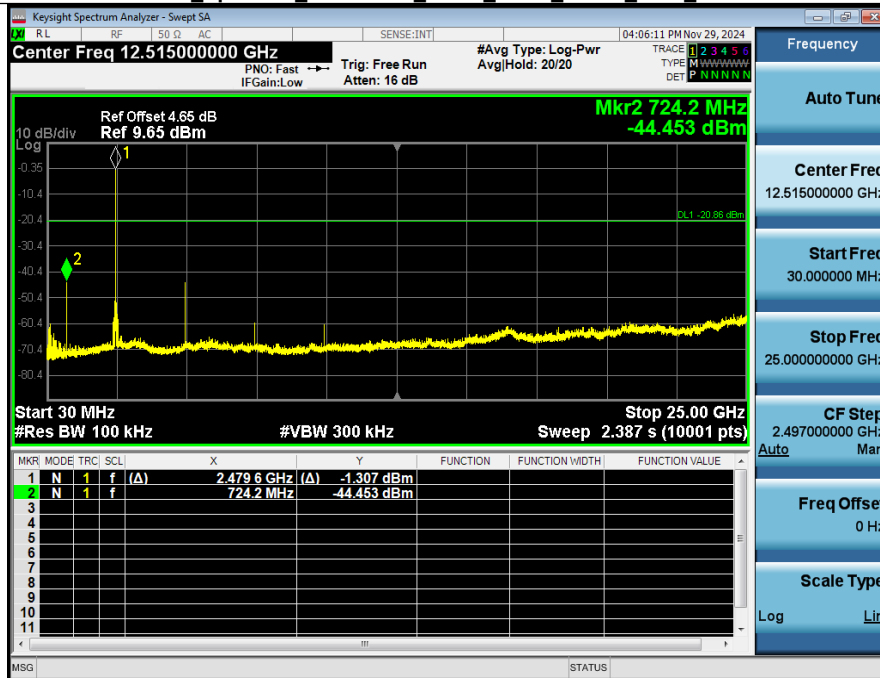
2_Spurious_Emissions_NVNT_ANT1_1-DH1_2441_00



1 Reference_Level_NVNT_ANT1_1-DH1_2480_00



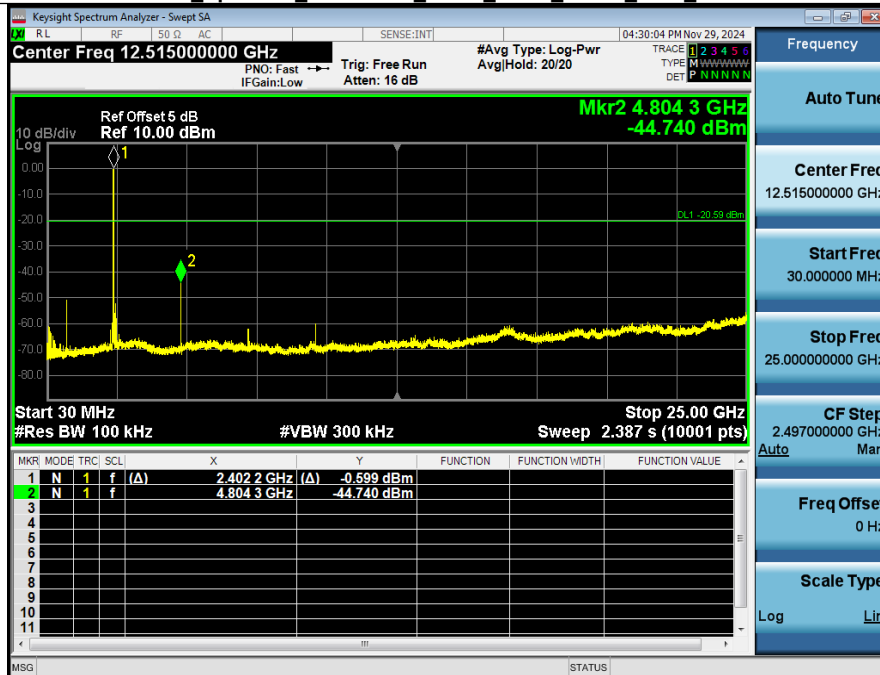
2 Spurious_Emissions_NVNT_ANT1_1-DH1_2480_00



1 Reference_Level_NVNT_ANT1_2-DH1_2402_00



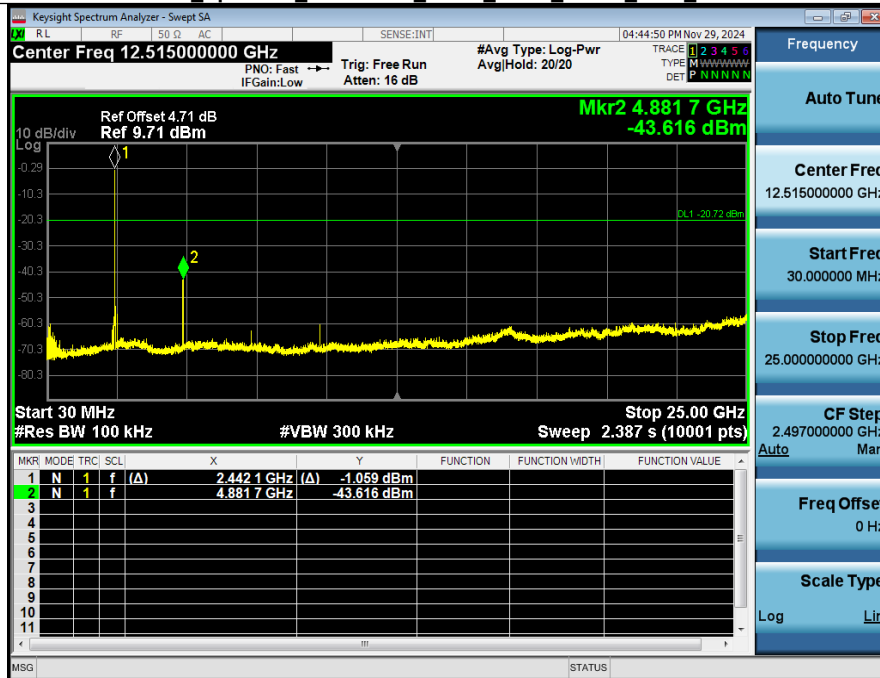
2 Spurious_Emissions_NVNT_ANT1_2-DH1_2402_00



1 Reference_Level_NVNT_ANT1_2-DH1_2441_00



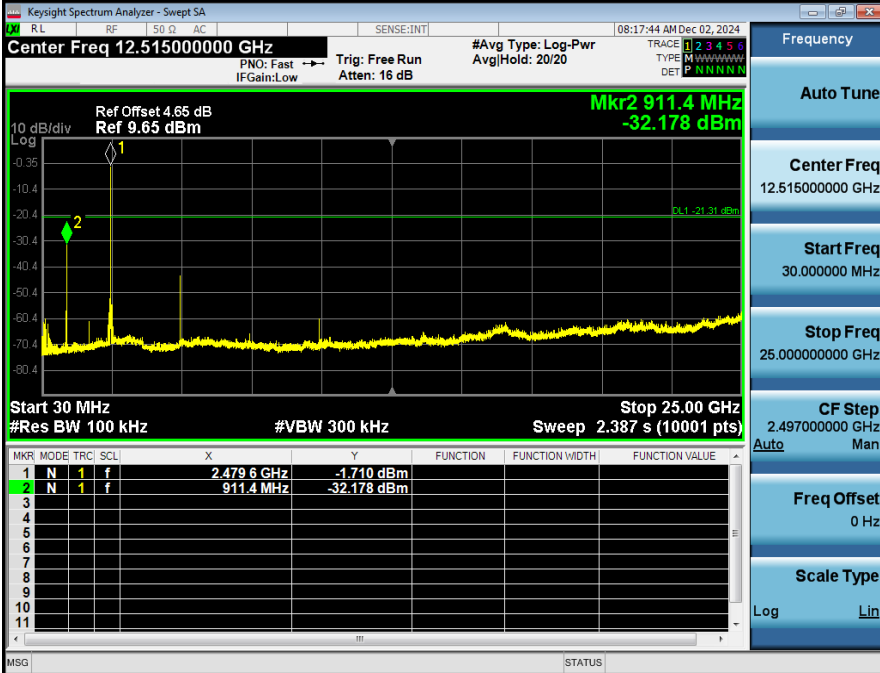
2 Spurious_Emissions_NVNT_ANT1_2-DH1_2441_00



1_Reference_Level_NVNT_ANT1_2-DH1_2480_00



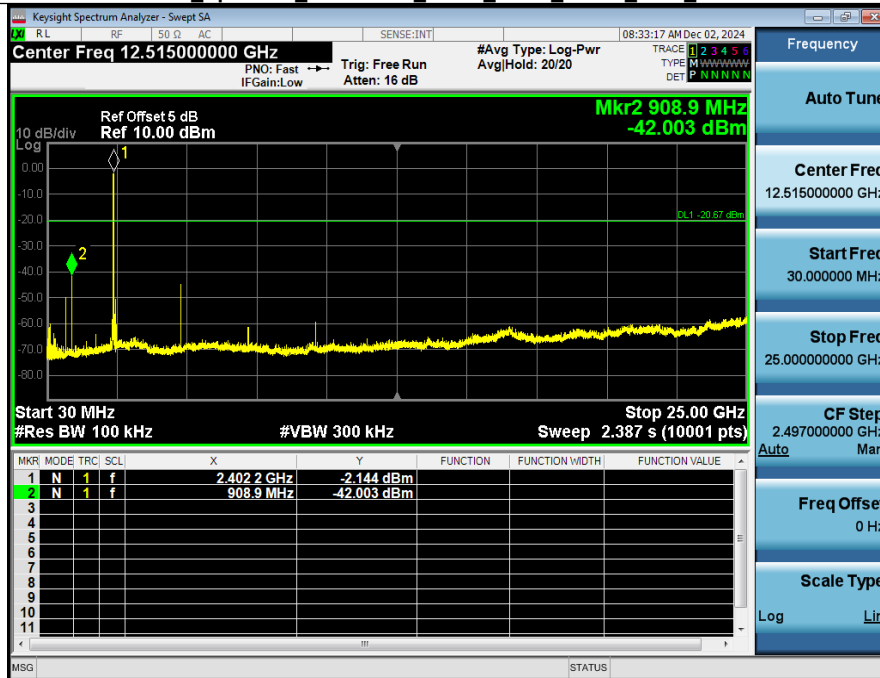
2_Spurious_Emissions_NVNT_ANT1_2-DH1_2480_00



1 Reference_Level_NVNT_ANT1_3-DH1_2402_00



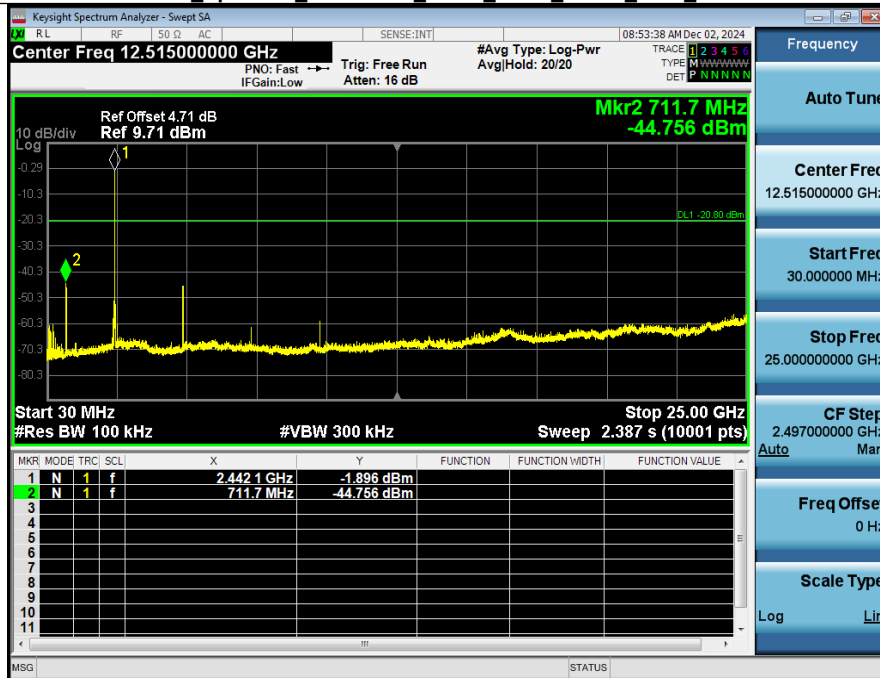
2 Spurious_Emissions_NVNT_ANT1_3-DH1_2402_00



1 Reference_Level_NVNT_ANT1_3-DH1_2441_00



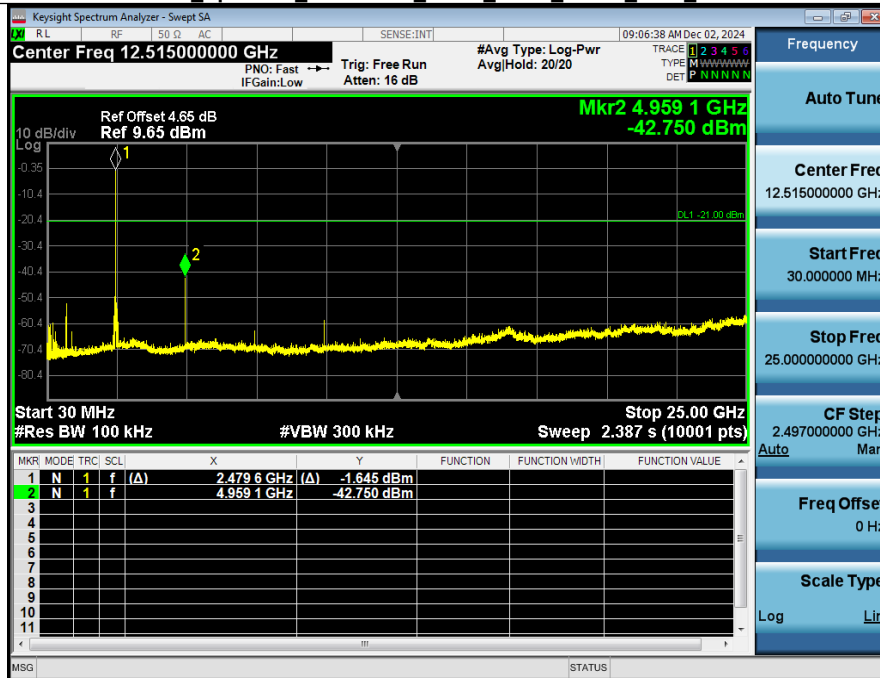
2 Spurious_Emissions_NVNT_ANT1_3-DH1_2441_00



1 Reference_Level_NVNT_ANT1_3-DH1_2480_00

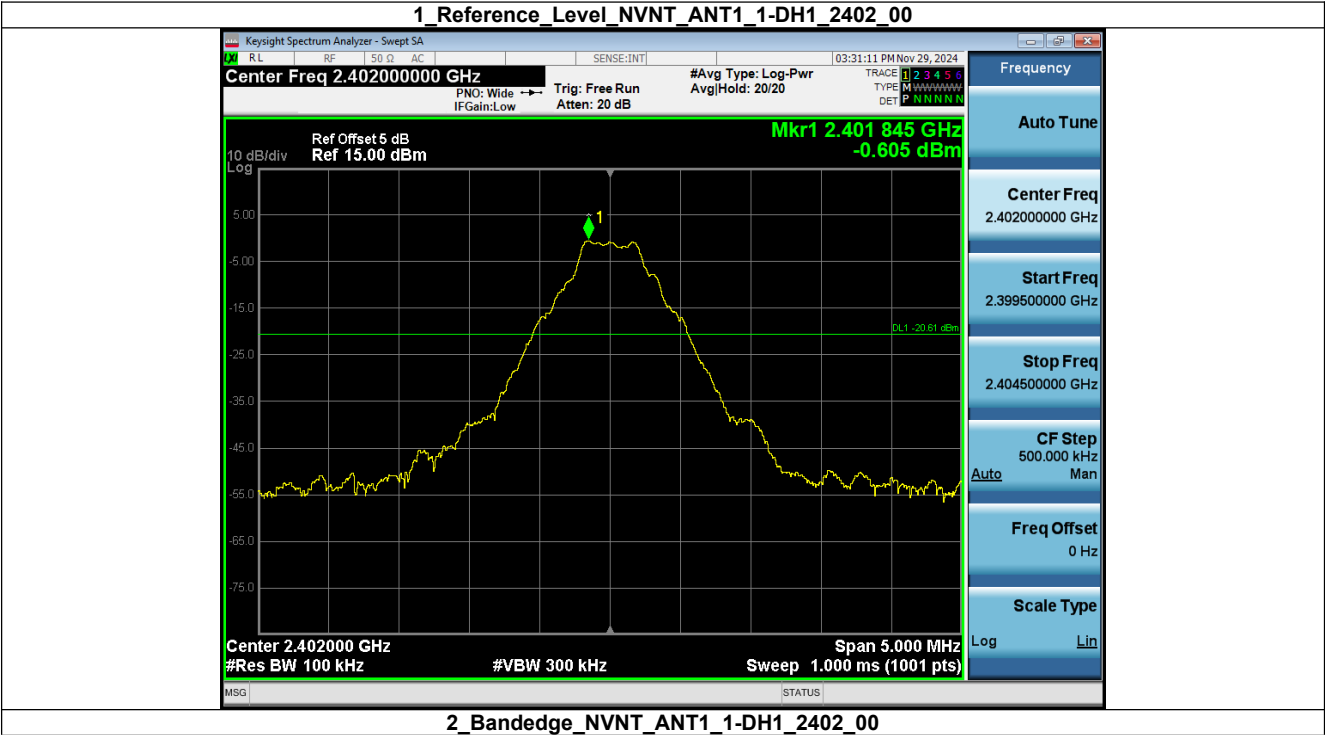


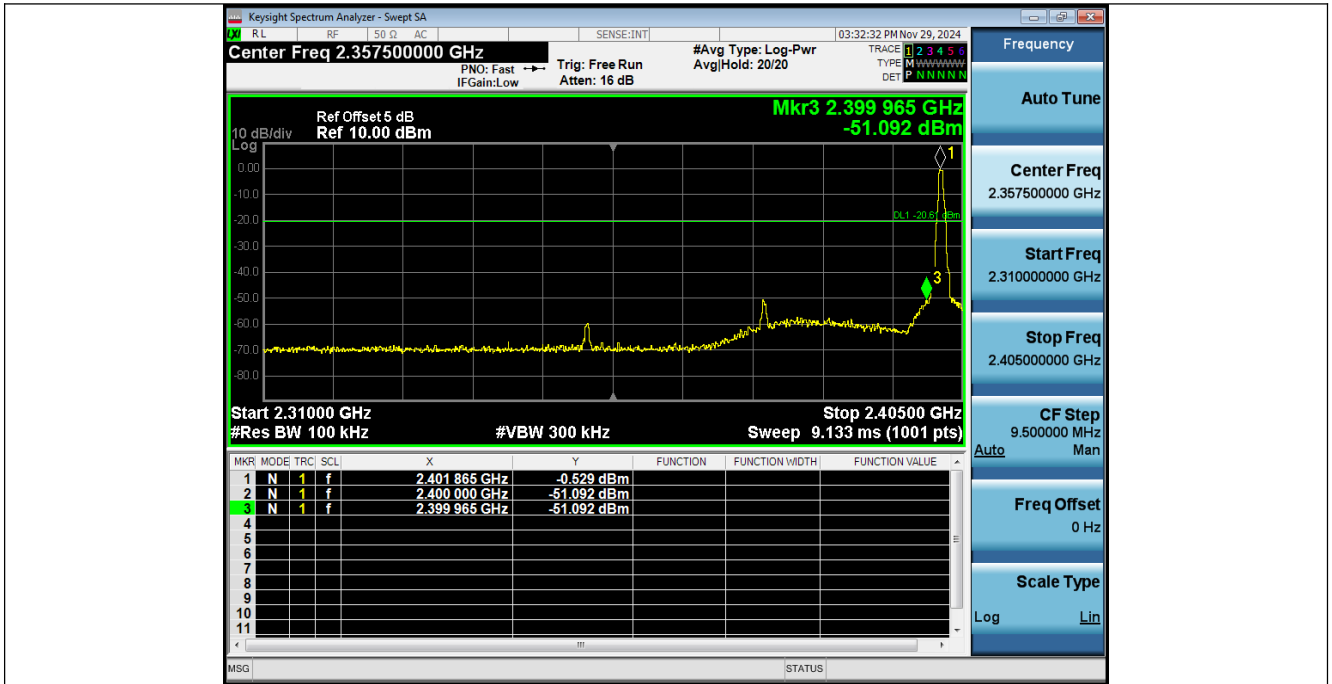
2 Spurious_Emissions_NVNT_ANT1_3-DH1_2480_00



6. Bandedge

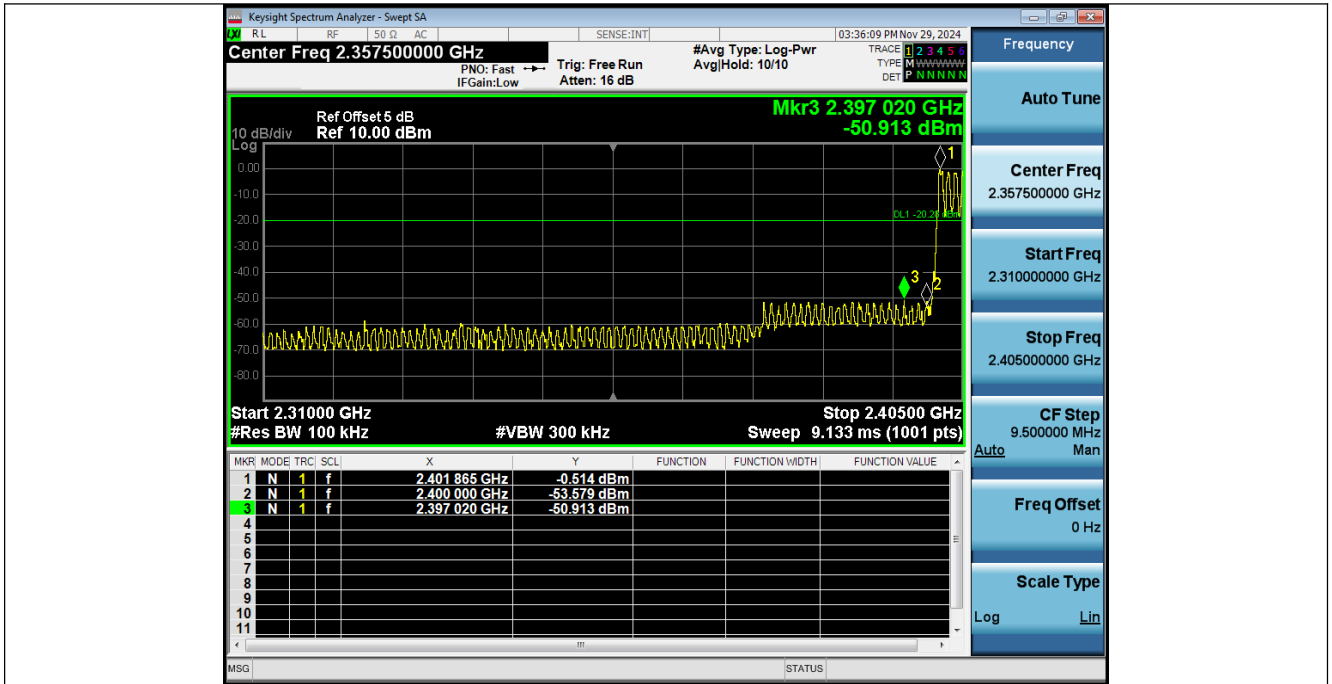
Condition	Antenna	Modulation	TX Mode	Bandedge MAX.Value	Limit	Result
NVNT	ANT1	1-DH1	2402.00	-51.092	-20.605	Pass
NVNT	ANT1	1-DH1	Hopping_LCH	-50.913	-20.283	Pass
NVNT	ANT1	1-DH1	2480.00	-57.474	-20.856	Pass
NVNT	ANT1	1-DH1	Hopping_HCH	-51.271	-20.586	Pass
NVNT	ANT1	2-DH1	2402.00	-52.730	-20.593	Pass
NVNT	ANT1	2-DH1	Hopping_LCH	-50.293	-20.248	Pass
NVNT	ANT1	2-DH1	2480.00	-56.999	-21.305	Pass
NVNT	ANT1	2-DH1	Hopping_HCH	-50.188	-21.096	Pass
NVNT	ANT1	3-DH1	2402.00	-50.417	-20.666	Pass
NVNT	ANT1	3-DH1	Hopping_LCH	-50.376	-20.314	Pass
NVNT	ANT1	3-DH1	2480.00	-56.583	-21.000	Pass
NVNT	ANT1	3-DH1	Hopping_HCH	-50.155	-20.700	Pass



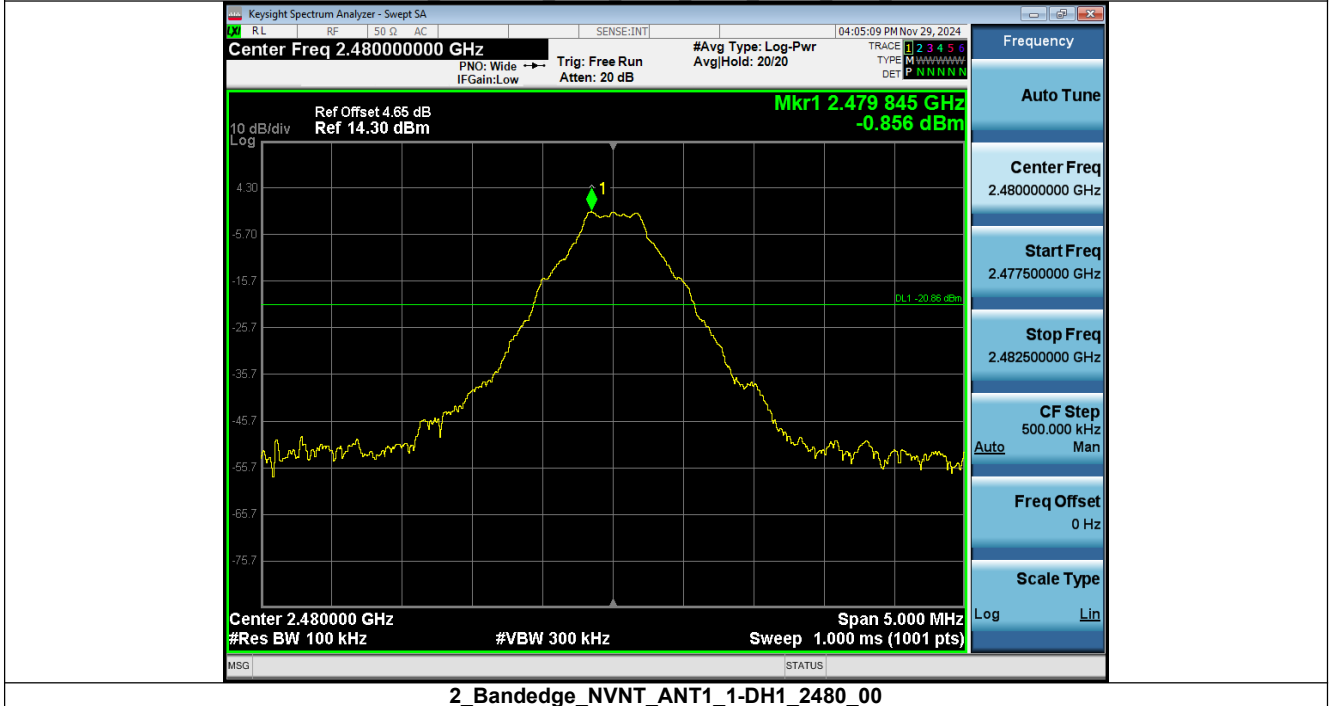


1 Reference_Level_Hopping_NVNT_ANT1_1-DH1_Hopping

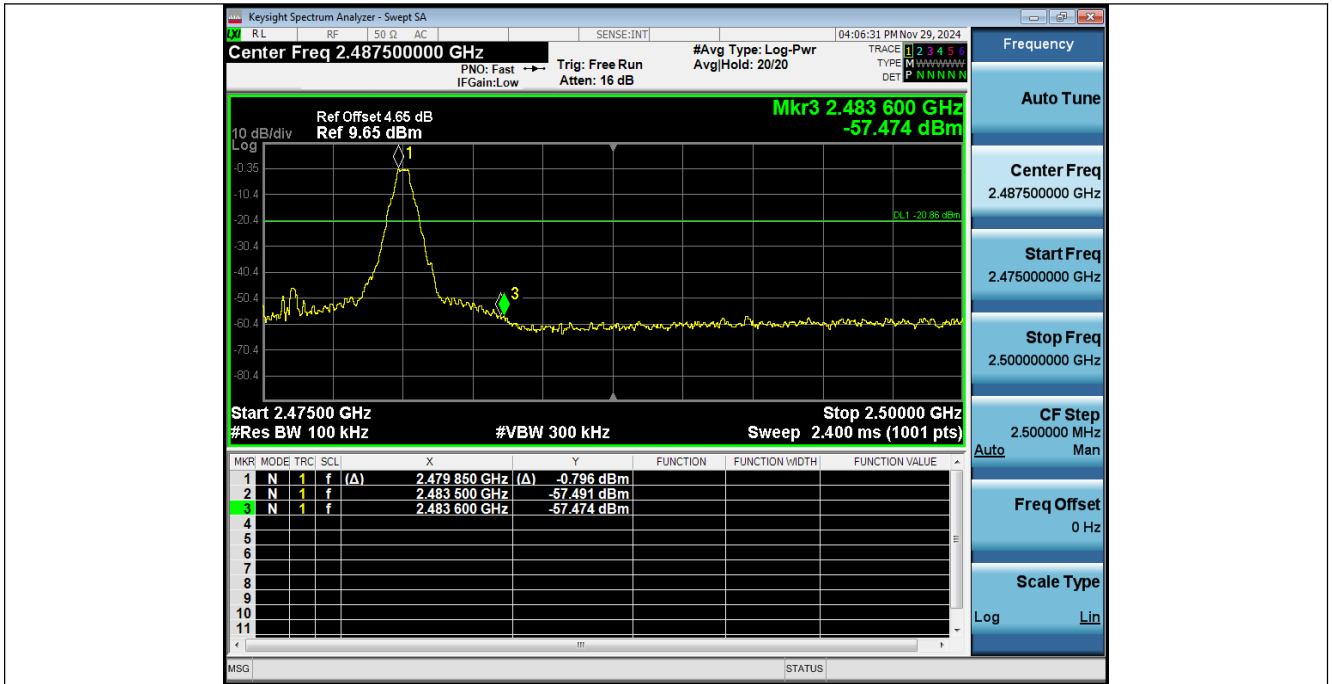




1_Reference_Level_NVNT_ANT1_1-DH1_2480_00



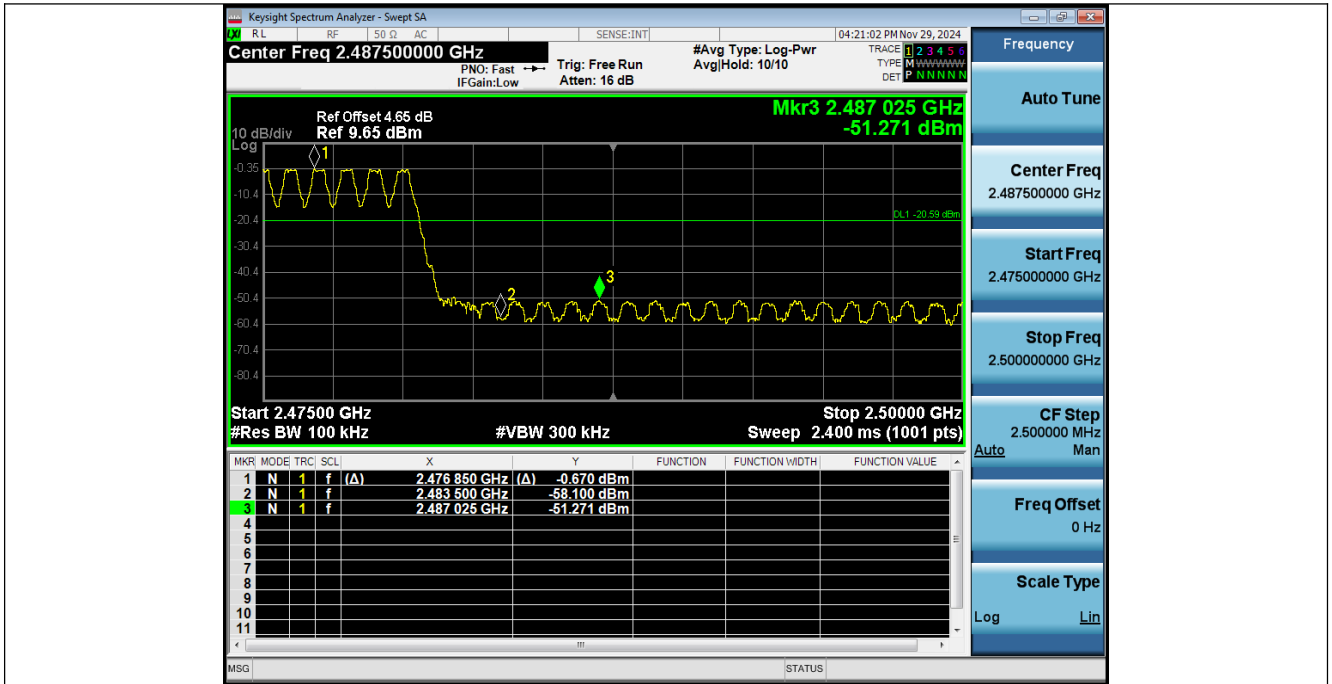
2_Bandedge_NVNT_ANT1_1-DH1_2480_00



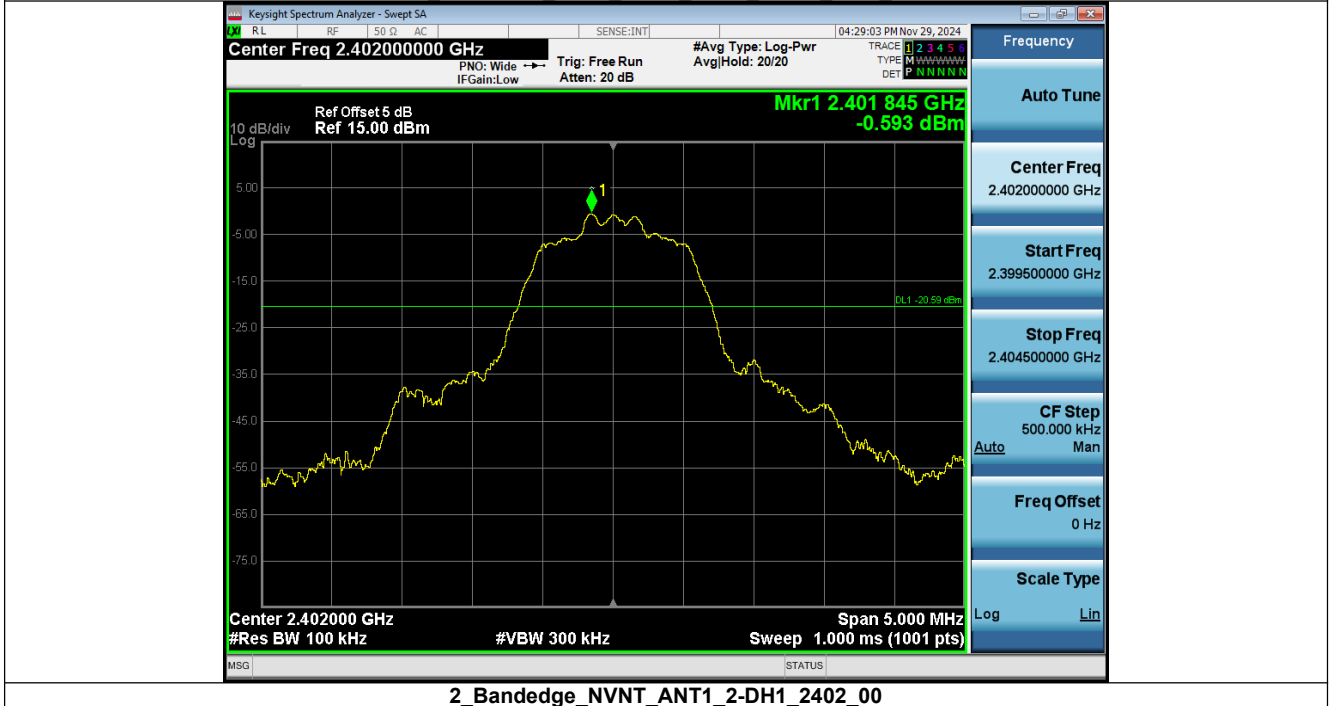
1 Reference_Level_Hopping_NVNT_ANT1_1-DH1_Hopping



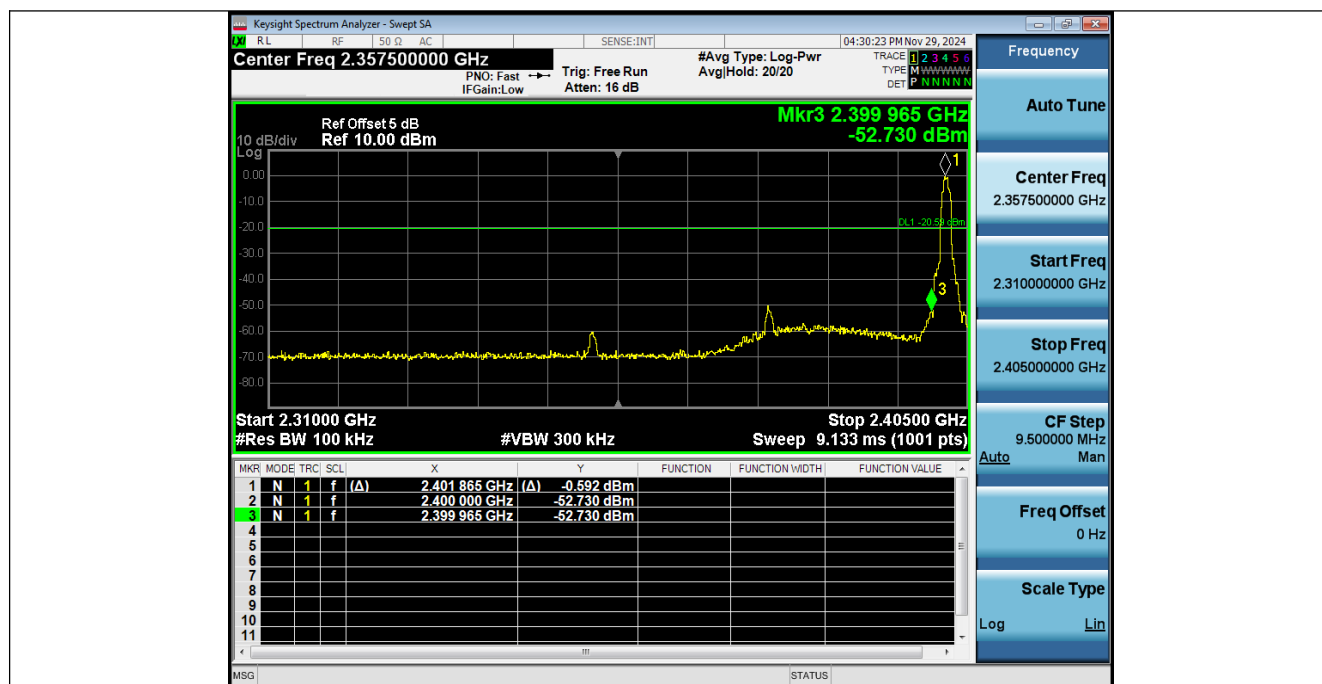
2_Band_Edge_(Hopping)_NVNT_ANT1_1-DH1_Hopping



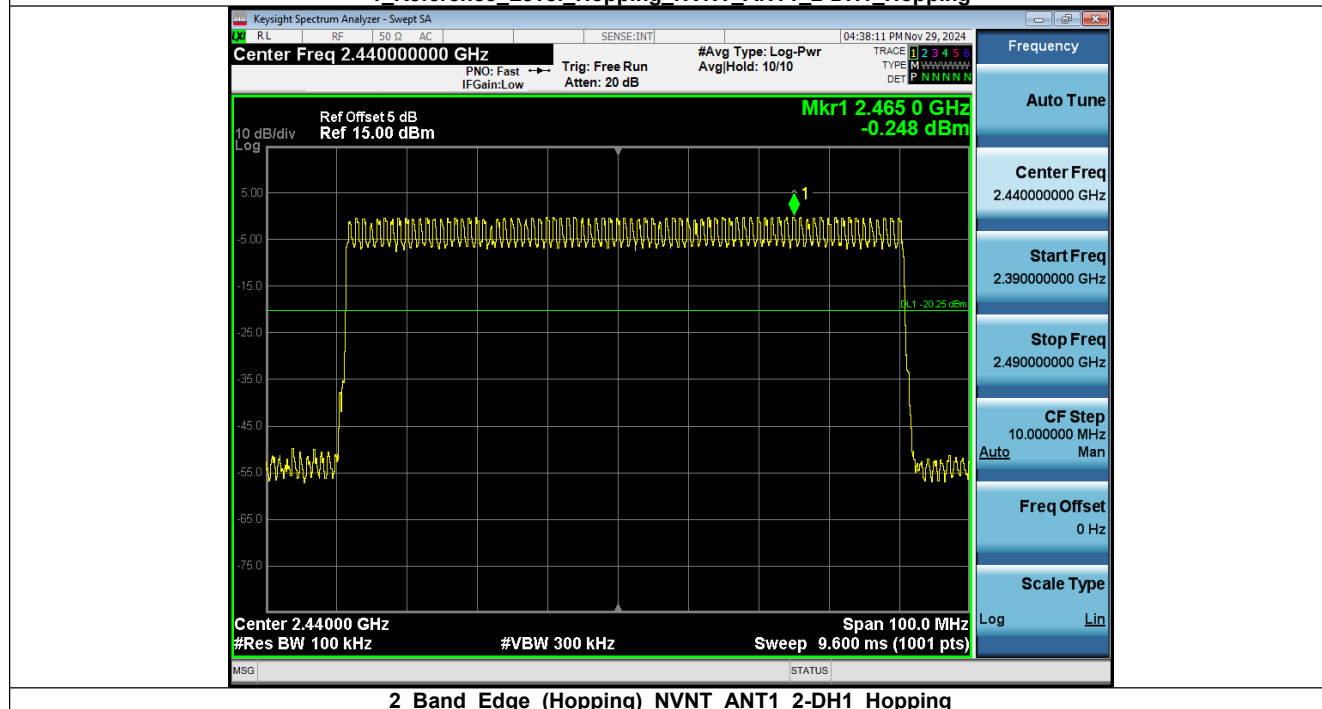
1_Reference_Level_NVNT_ANT1_2-DH1_2402_00

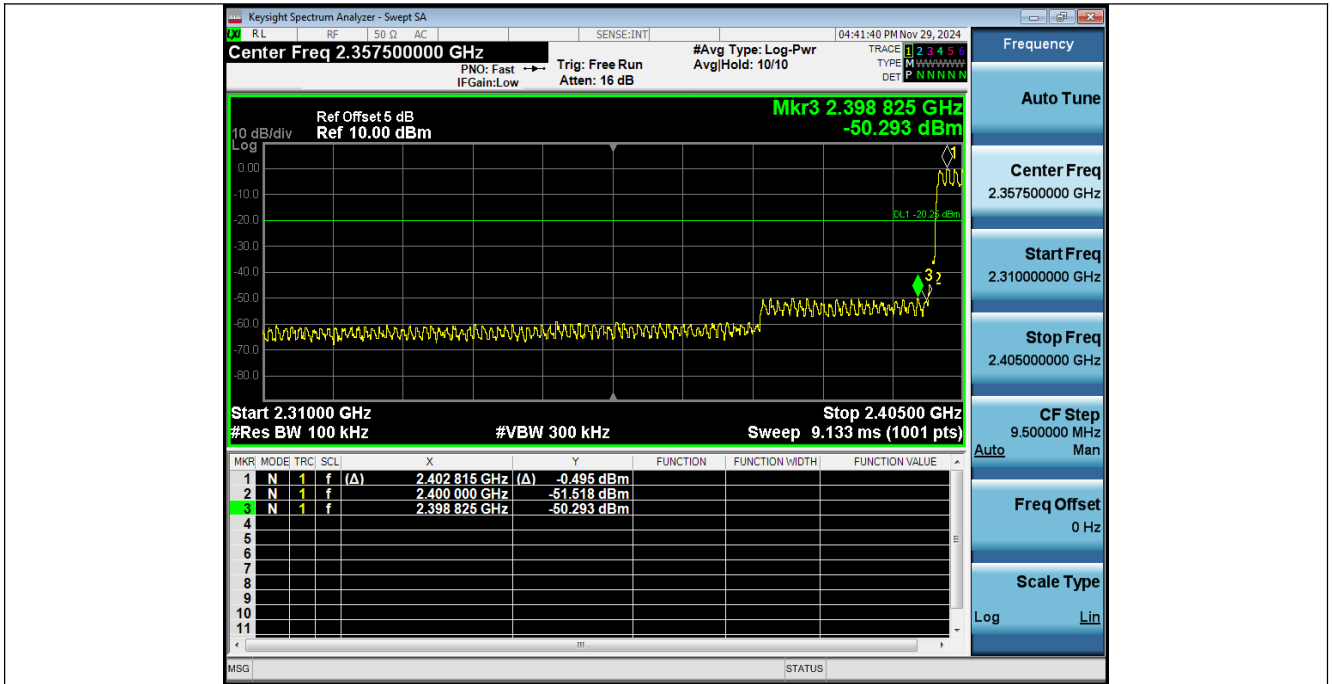


2_Bandedge_NVNT_ANT1_2-DH1_2402_00



1 Reference_Level_Hopping_NVNT_ANT1_2-DH1_Hopping

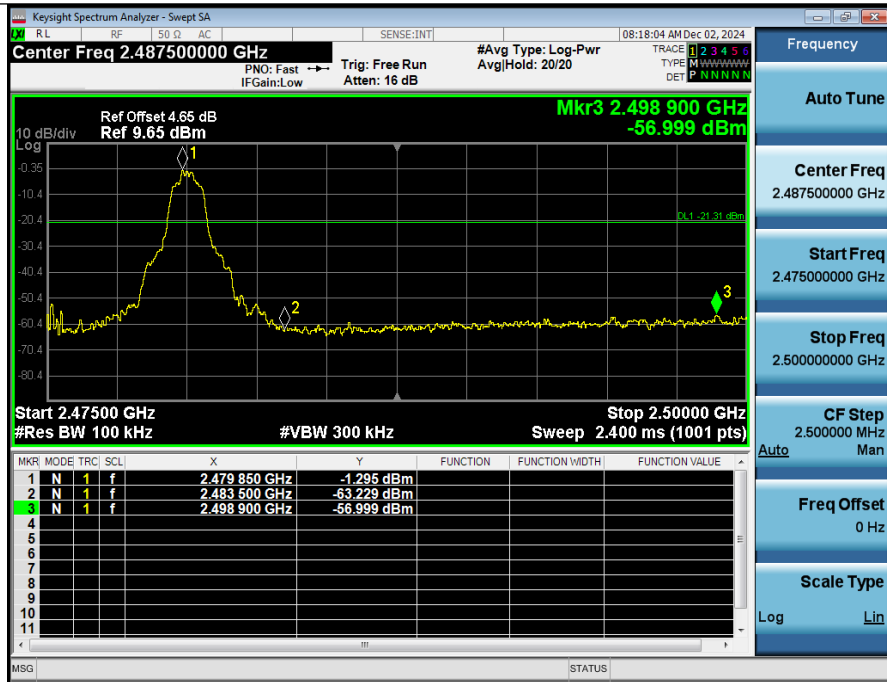




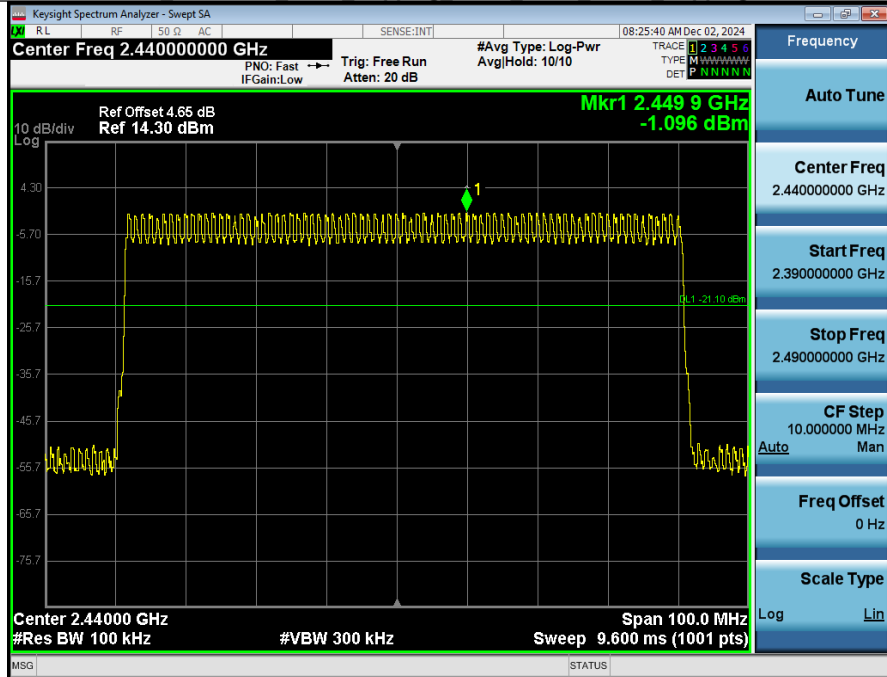
1_Reference_Level_NVNT_ANT1_2-DH1_2480_00



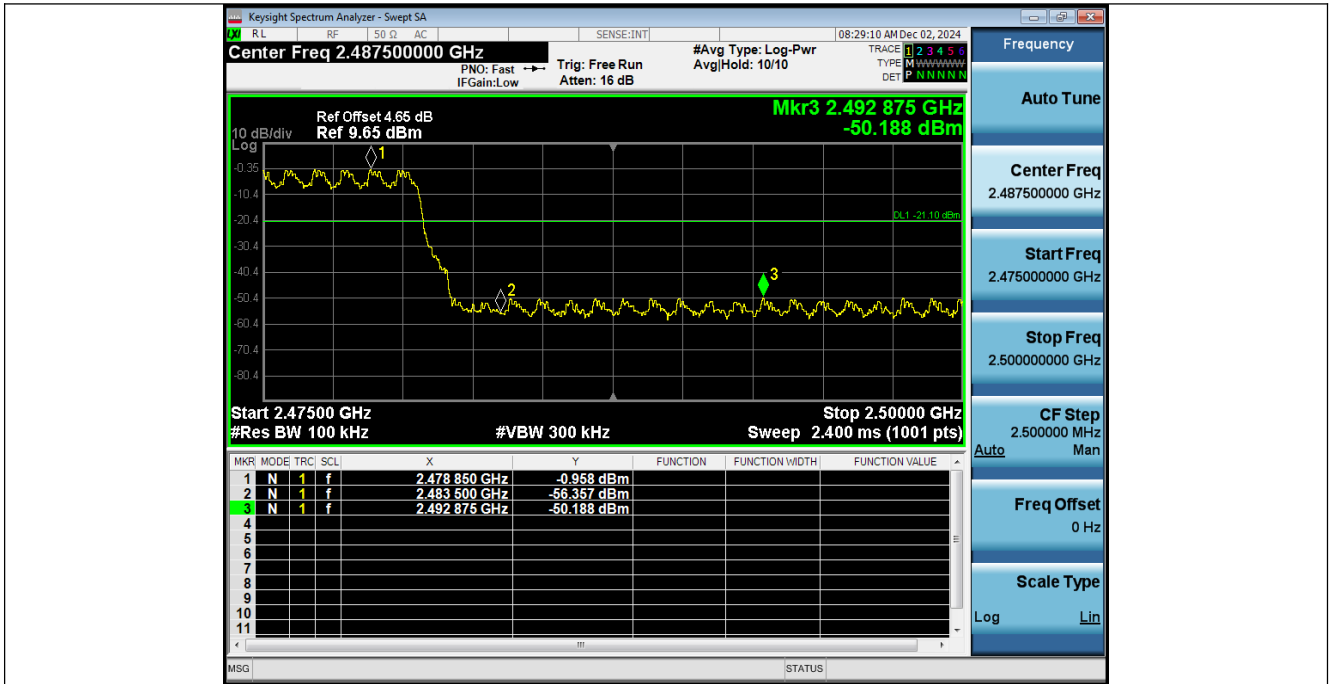
2_Bandedge_NVNT_ANT1_2-DH1_2480_00



1 Reference_Level_Hopping_NVNT_ANT1_2-DH1_Hopping



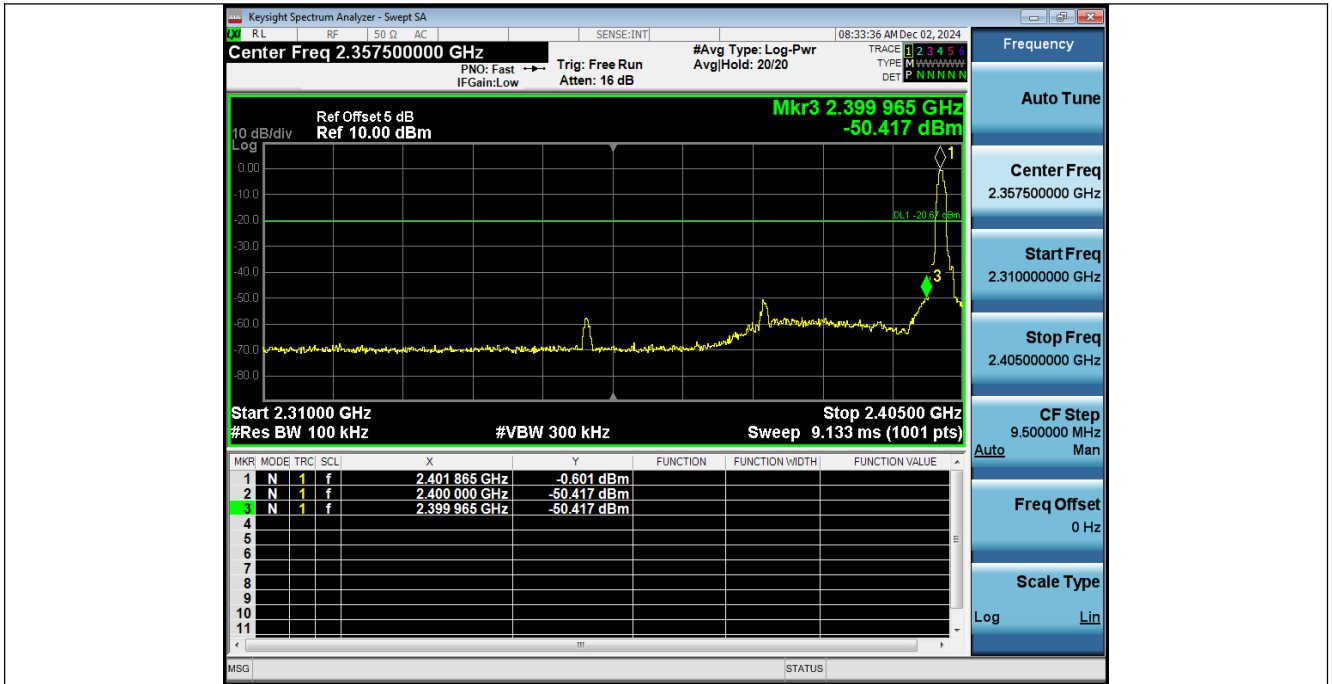
2_Band_Edge_(Hopping)_NVNT_ANT1_2-DH1_Hopping



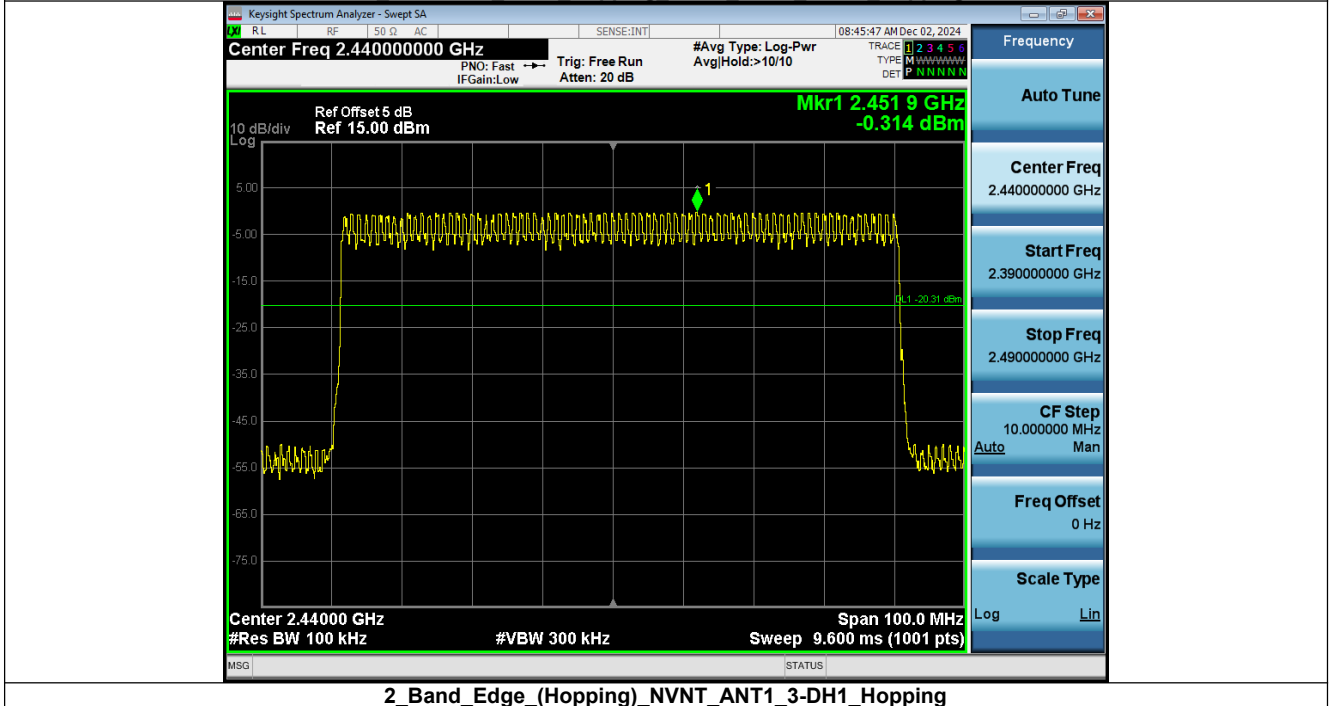
1_Reference_Level_NVNT_ANT1_3-DH1_2402_00



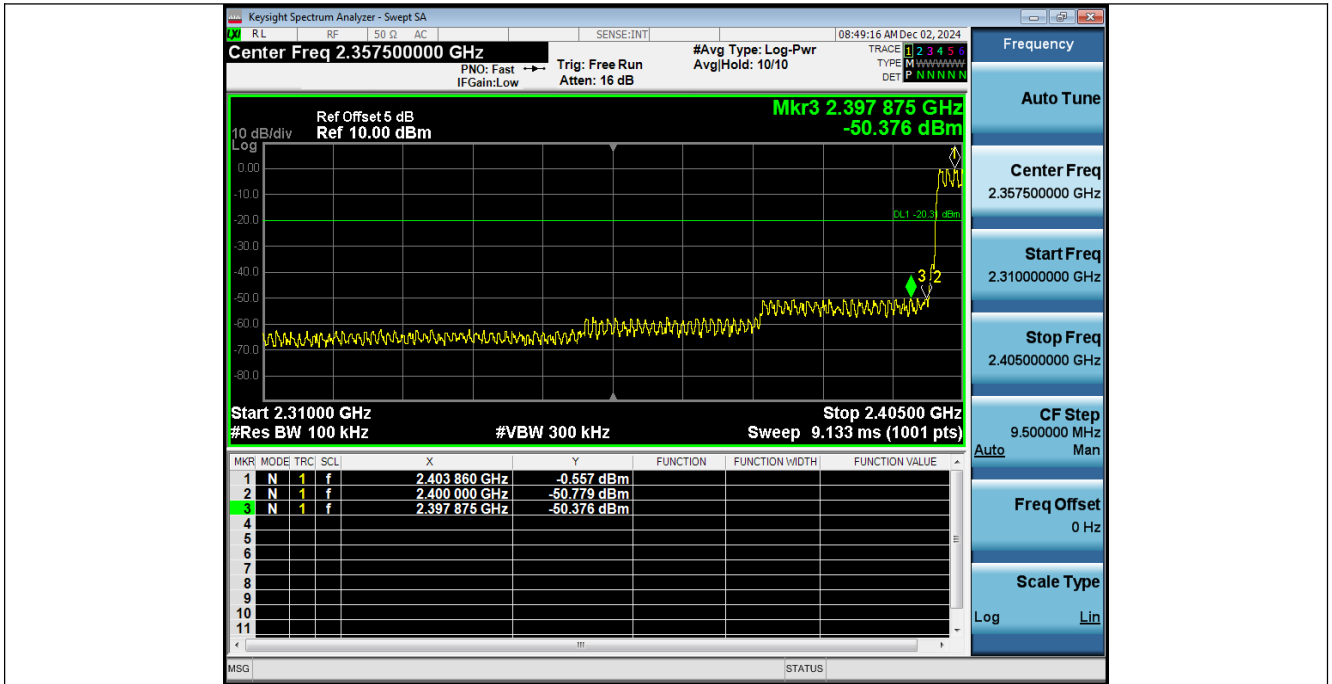
2_Bandedge_NVNT_ANT1_3-DH1_2402_00



1 Reference_Level_Hopping_NVNT_ANT1_3-DH1_Hopping



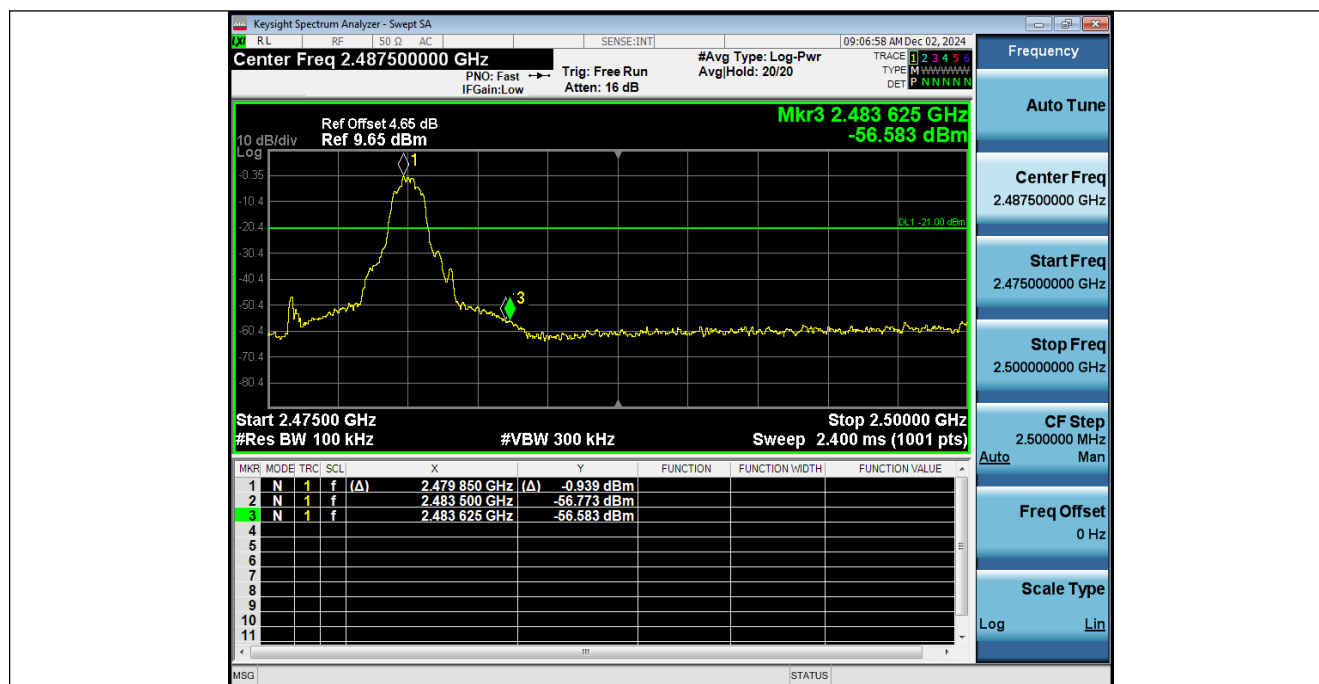
2_Band_Edge_(Hopping)_NVNT_ANT1_3-DH1_Hopping



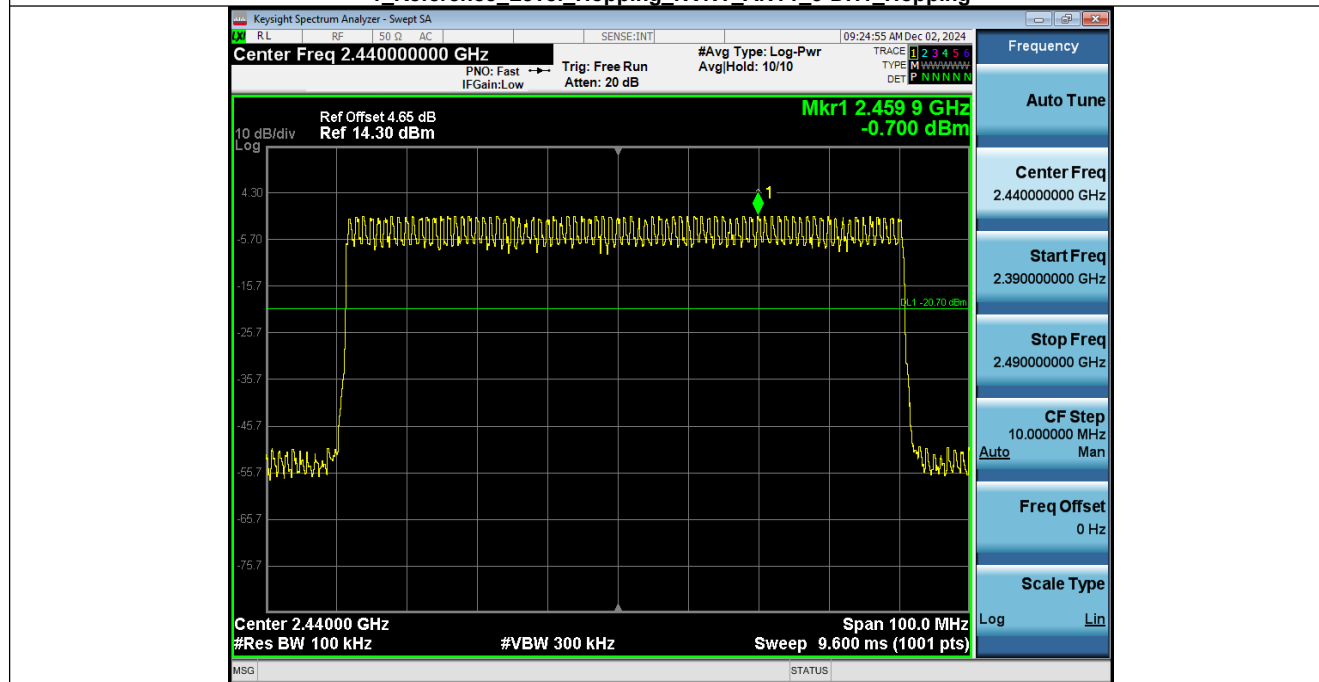
1_Reference_Level_NVNT_ANT1_3-DH1_2480_00



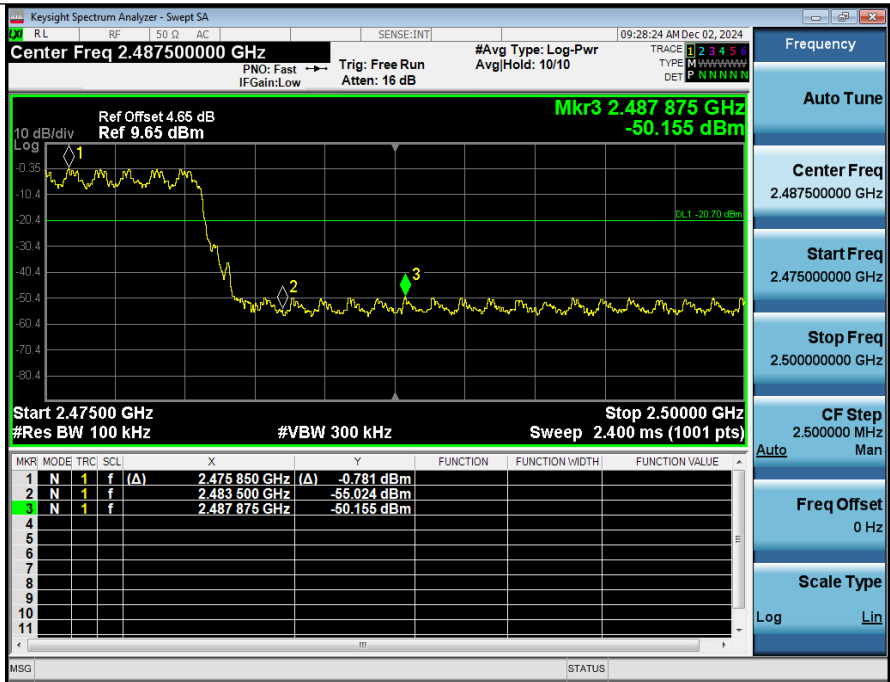
2_Bandedge_NVNT_ANT1_3-DH1_2480_00



1 Reference_Level_Hopping_NVNT_ANT1_3-DH1_Hopping

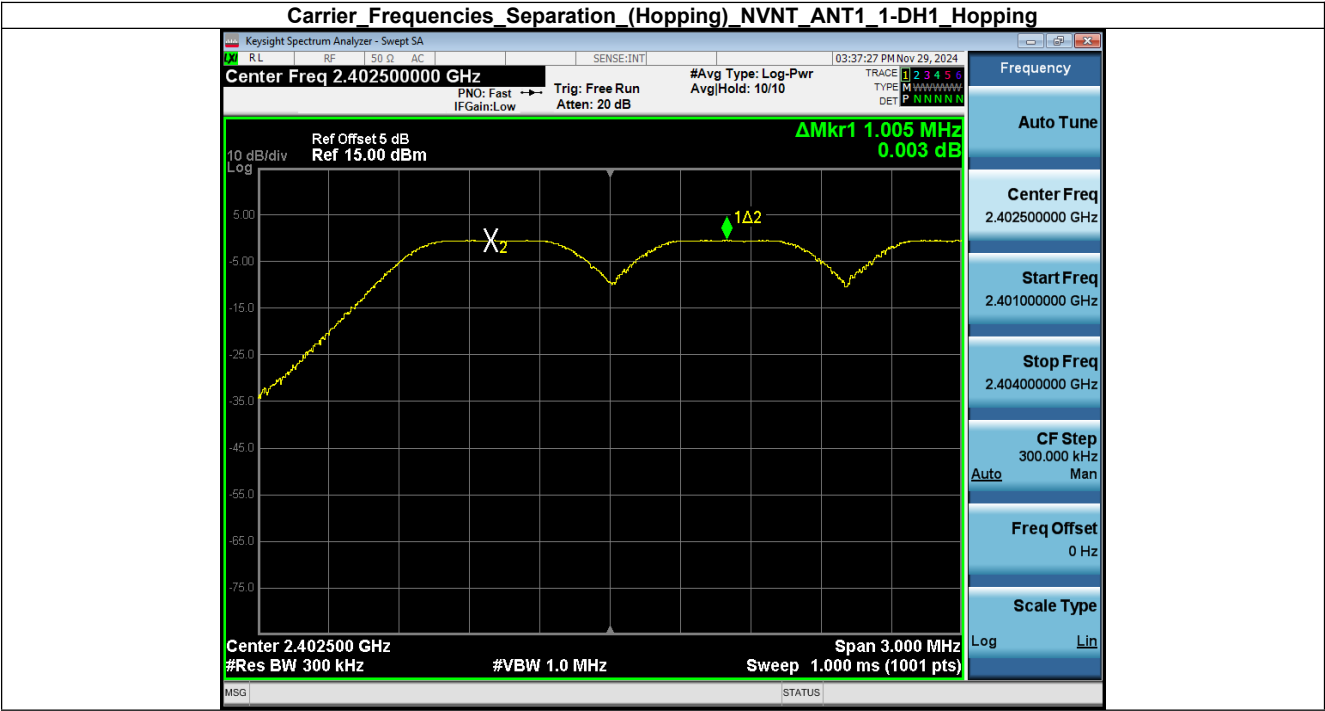


2_Band_Edge_(Hopping)_NVNT_ANT1_3-DH1_Hopping

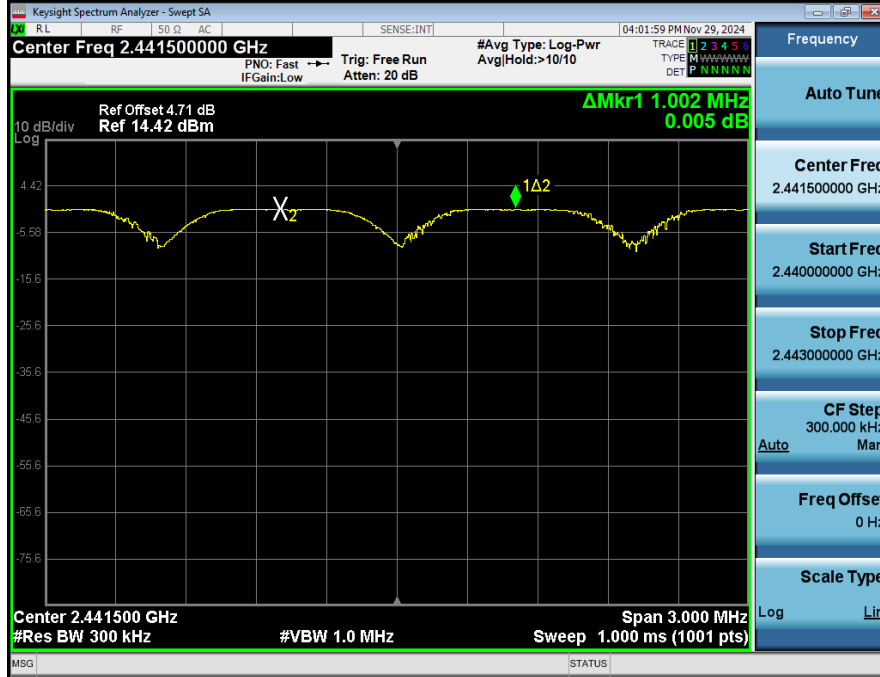


7. Carrier Frequencies Separation (Hopping)

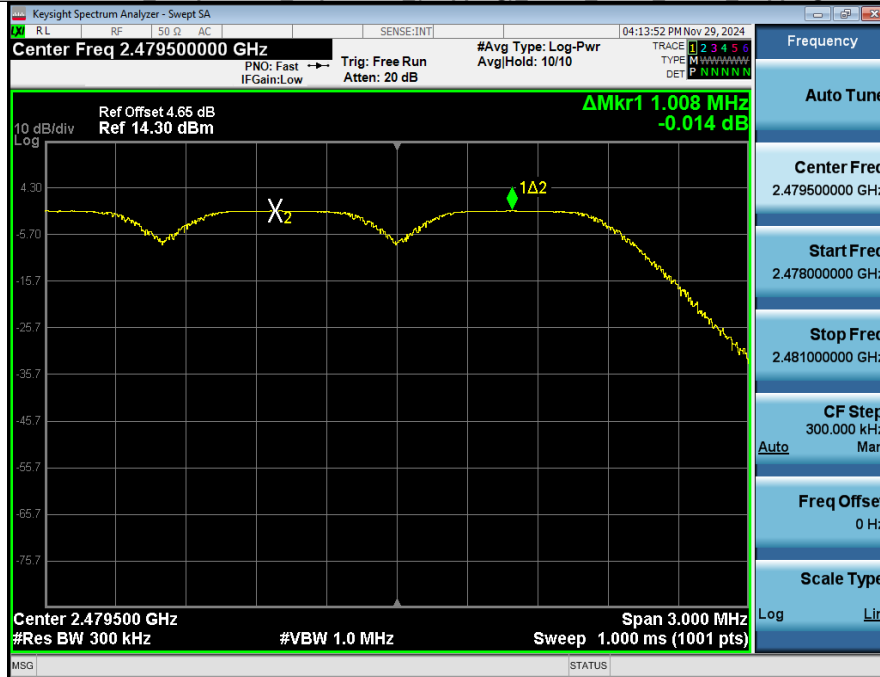
Condition	Antenna	Modulation	Frequency(MHz)	Hopping NO.0 (MHz)	Hopping NO.1 (MHz)	Carrier Frequencies Separation(MHz)	Limit(MHz)	Result
NVNT	ANT1	1-DH1	2402.00	2401.993	2402.998	1.00	0.670	Pass
NVNT	ANT1	1-DH1	2441.00	2441.002	2442.004	1.00	0.688	Pass
NVNT	ANT1	1-DH1	2480.00	2478.981	2479.989	1.01	0.694	Pass
NVNT	ANT1	2-DH1	2402.00	2401.984	2402.992	1.01	0.863	Pass
NVNT	ANT1	2-DH1	2441.00	2440.993	2441.989	1.00	0.864	Pass
NVNT	ANT1	2-DH1	2480.00	2478.999	2480.004	1.00	0.861	Pass
NVNT	ANT1	3-DH1	2402.00	2401.981	2402.989	1.01	0.840	Pass
NVNT	ANT1	3-DH1	2441.00	2440.987	2441.986	1.00	0.837	Pass
NVNT	ANT1	3-DH1	2480.00	2478.996	2479.998	1.00	0.855	Pass



Carrier Frequencies Separation (Hopping) NVNT_ANT1_1-DH1_Hopping



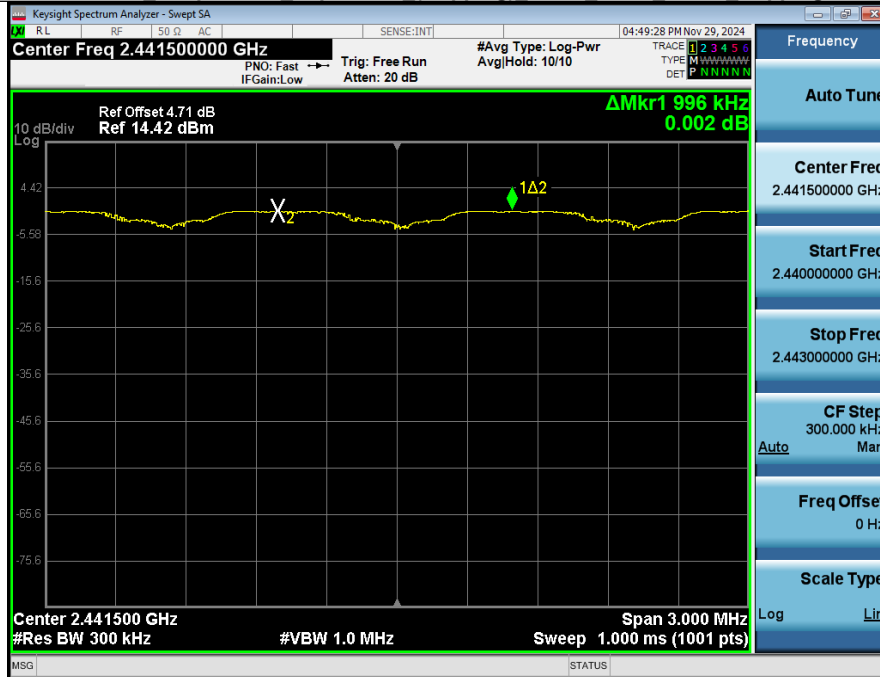
Carrier Frequencies Separation (Hopping) NVNT_ANT1_1-DH1_Hopping



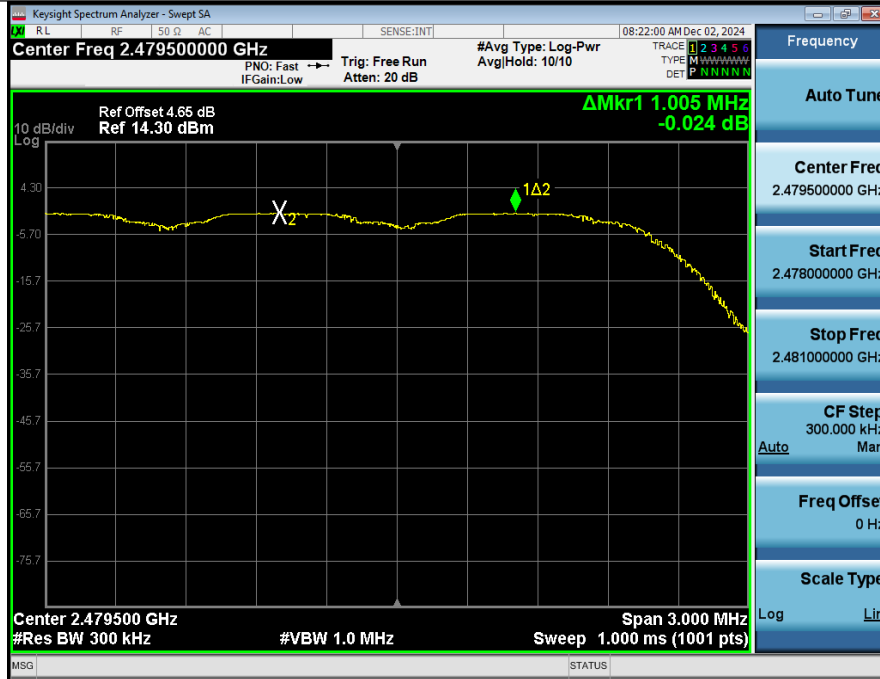
Carrier Frequencies Separation (Hopping) NVNT_ANT1_2-DH1_Hopping



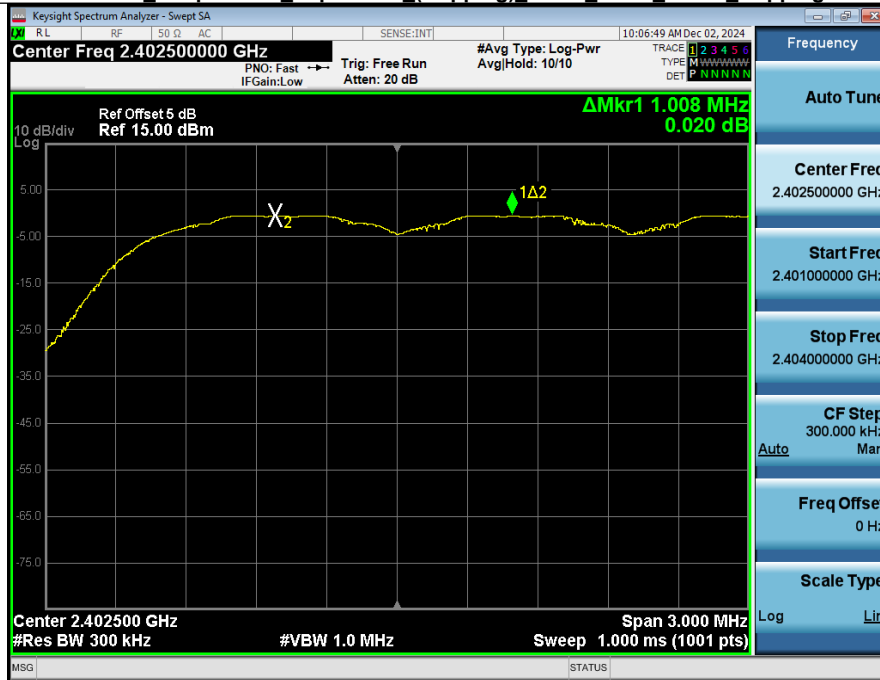
Carrier Frequencies Separation (Hopping) NVNT_ANT1_2-DH1_Hopping



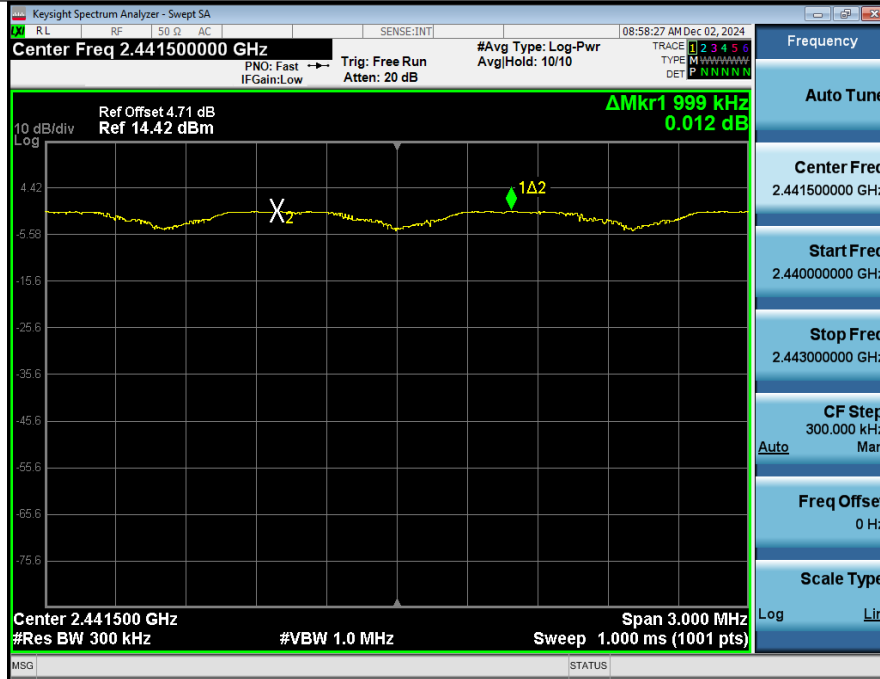
Carrier_Frequencies_Separation_(Hopping)_NVNT_ANT1_2-DH1_Hopping



Carrier_Frequencies_Separation_(Hopping)_NVNT_ANT1_3-DH1_Hopping



Carrier_Frequencies_Separation_(Hopping)_NVNT_ANT1_3-DH1_Hopping

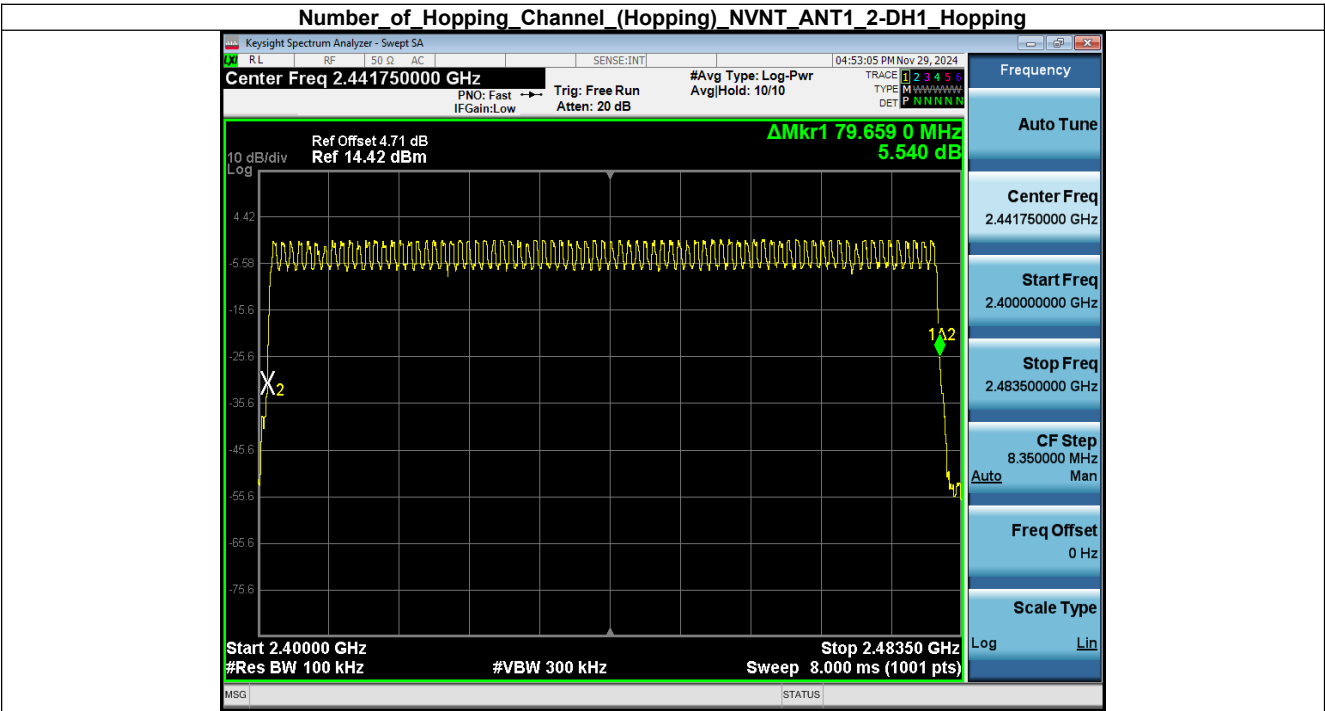
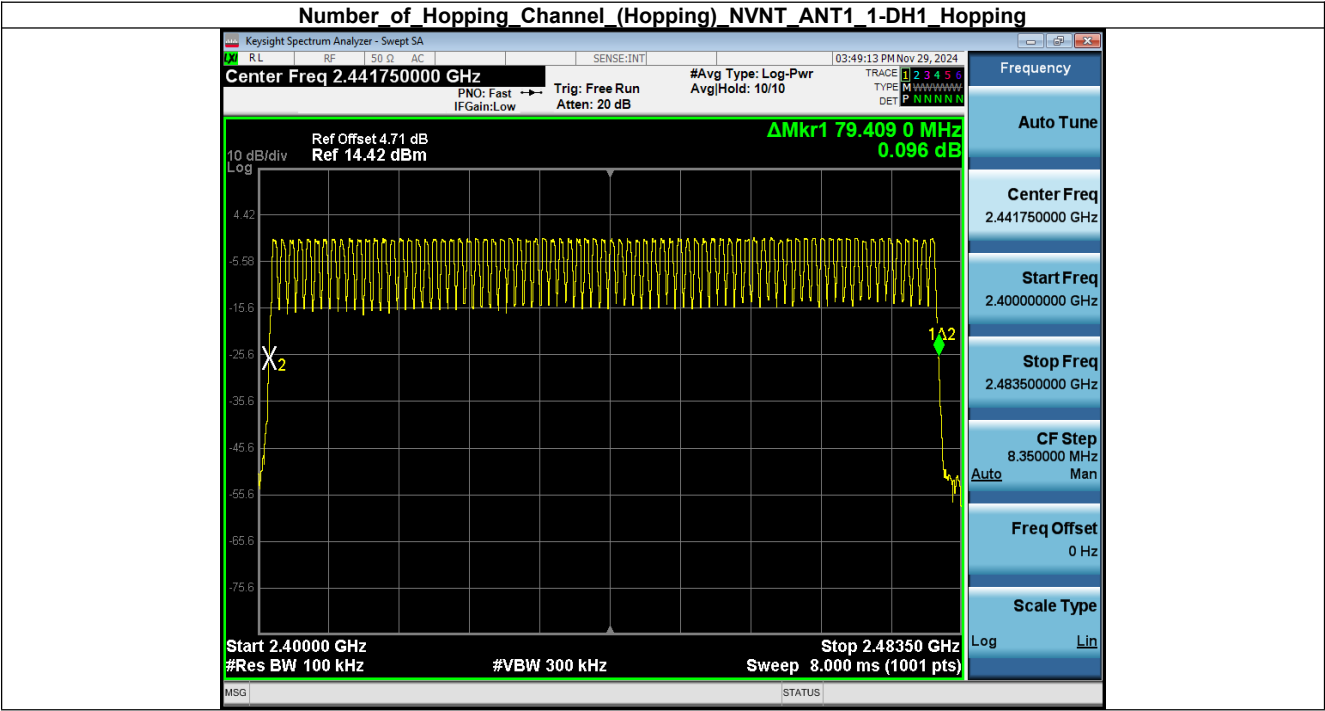


Carrier_Frequencies_Separation_(Hopping)_NVNT_ANT1_3-DH1_Hopping

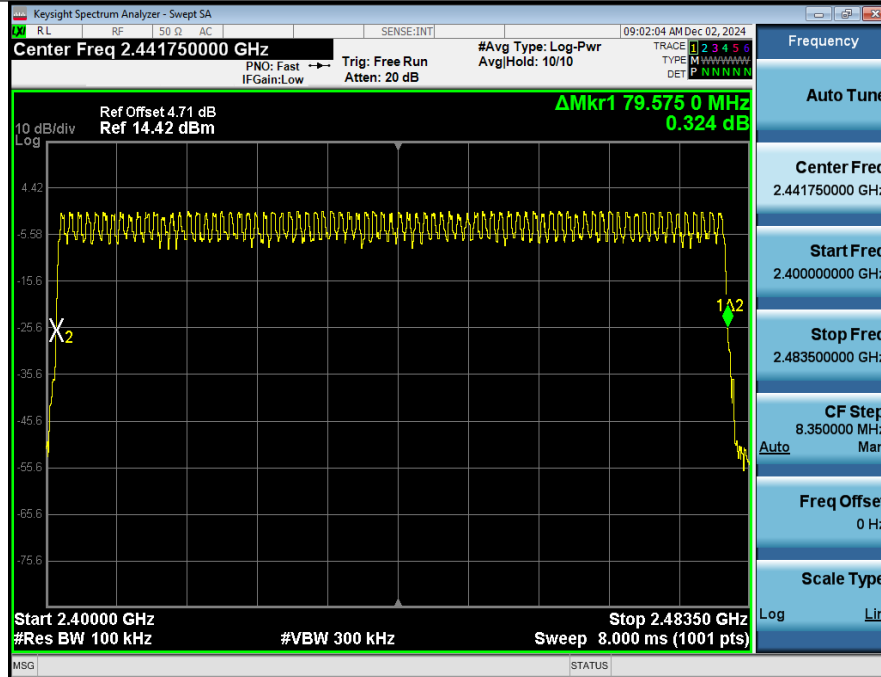


8. Number of Hopping Channel (Hopping)

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

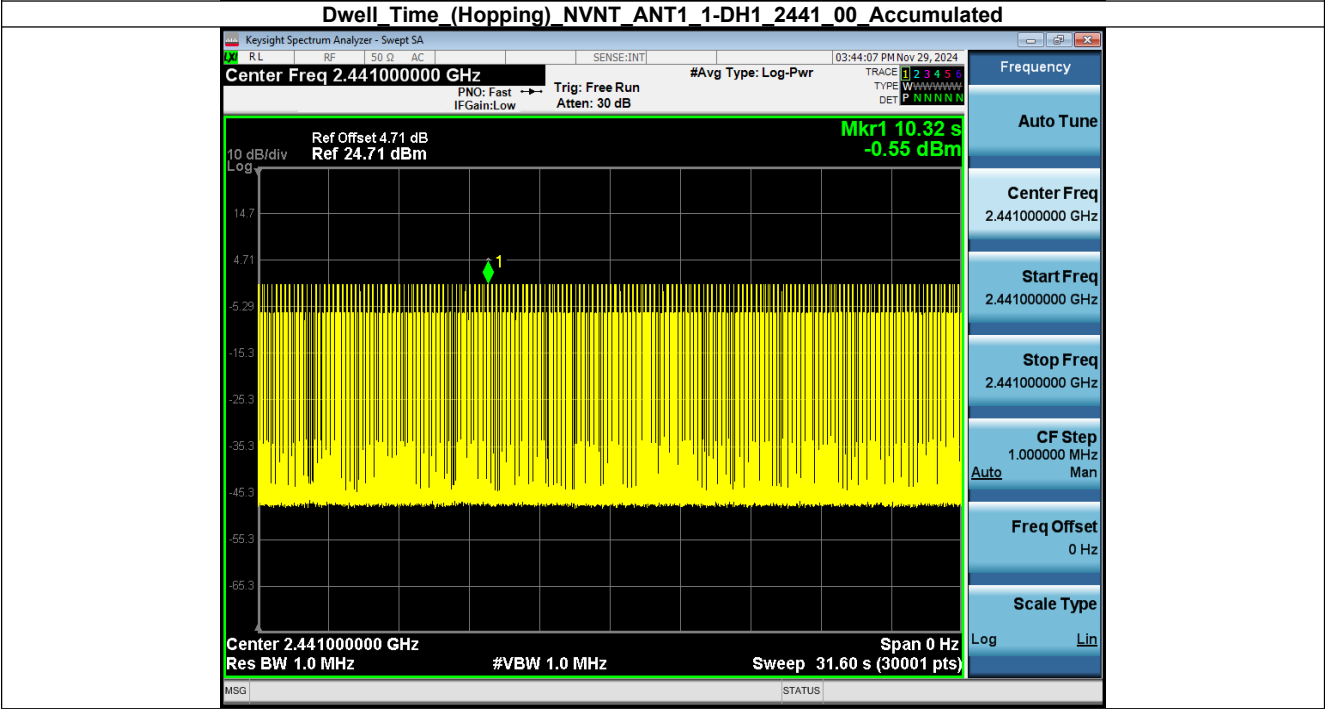
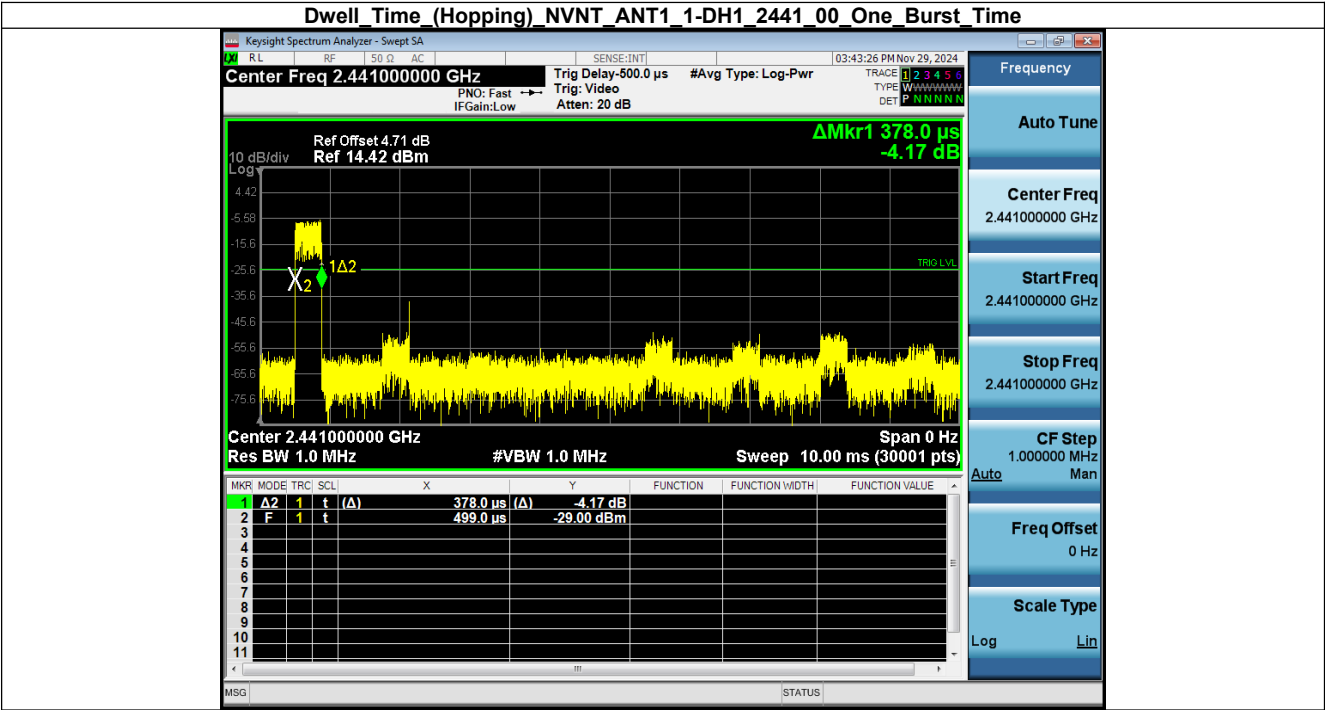


Number_of_Hopping_Channel_(Hopping)_NVNT_ANT1_3-DH1_Hopping

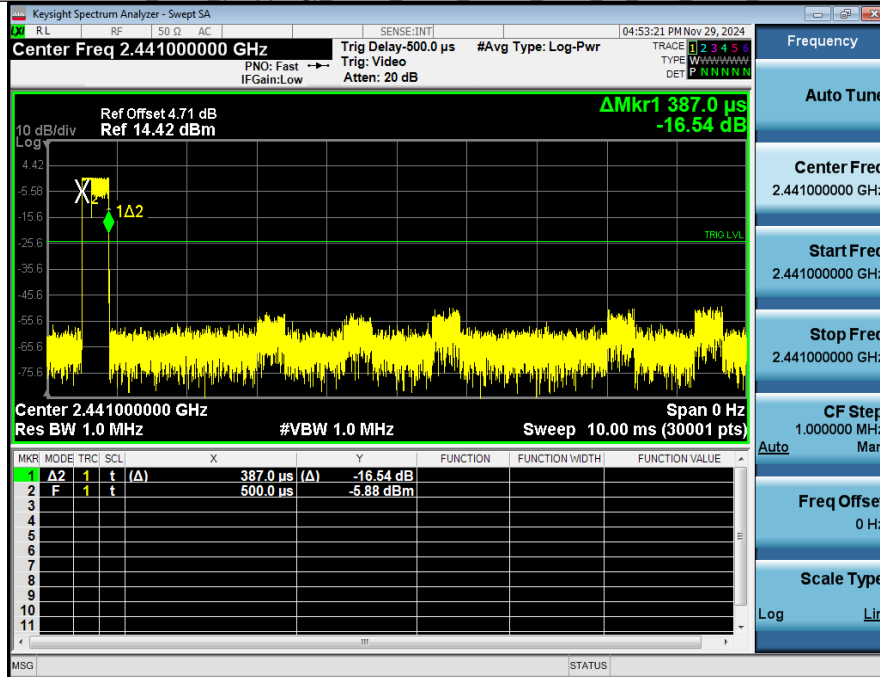


9. Dwell Time (Hopping)

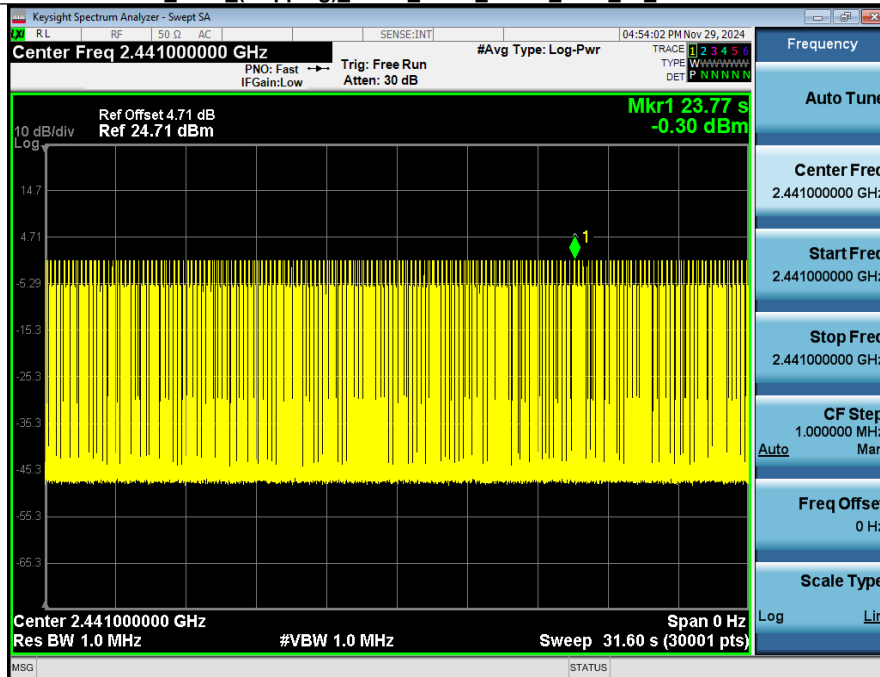
Condition	Antenna	Packet Type	Pulse Time(ms)	Hops	Dwell Time(ms)	Limit(s)	Result
NVNT	ANT1	1-DH1	0.378	318.00	120.204	0.40	Pass
NVNT	ANT1	2-DH1	0.387	320.00	123.840	0.40	Pass
NVNT	ANT1	3-DH1	0.388	319.00	123.772	0.40	Pass
NVNT	ANT1	1-DH3	1.633	159.00	259.647	0.40	Pass
NVNT	ANT1	1-DH5	2.881	105.00	302.505	0.40	Pass
NVNT	ANT1	2-DH3	1.639	166.00	272.074	0.40	Pass
NVNT	ANT1	2-DH5	2.887	85.00	245.395	0.40	Pass
NVNT	ANT1	3-DH3	1.638	172.00	281.736	0.40	Pass
NVNT	ANT1	3-DH5	2.889	108.00	312.012	0.40	Pass



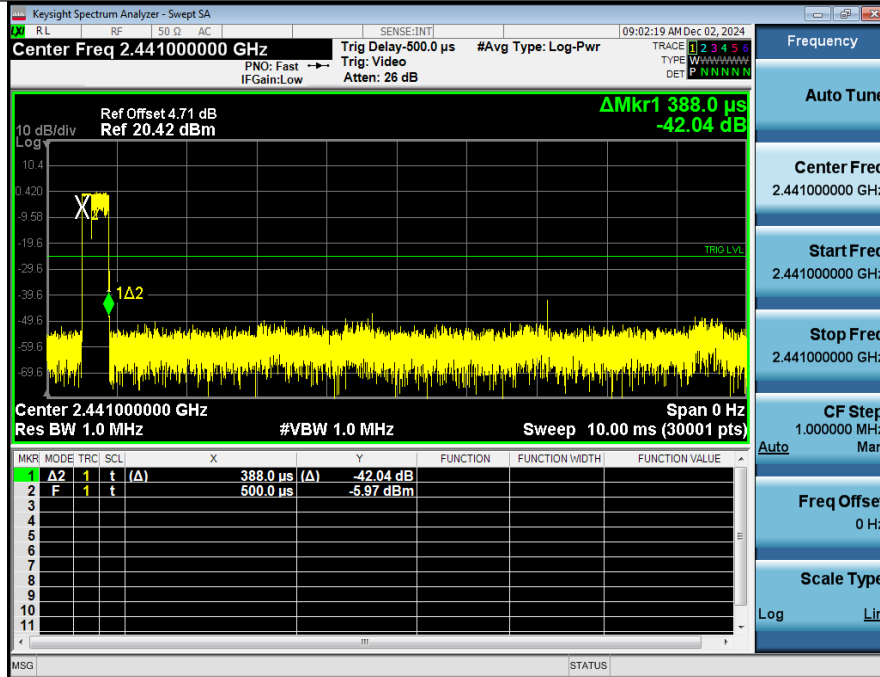
Dwell Time (Hopping) NVNT_ANT1_2-DH1_2441_00_One Burst Time



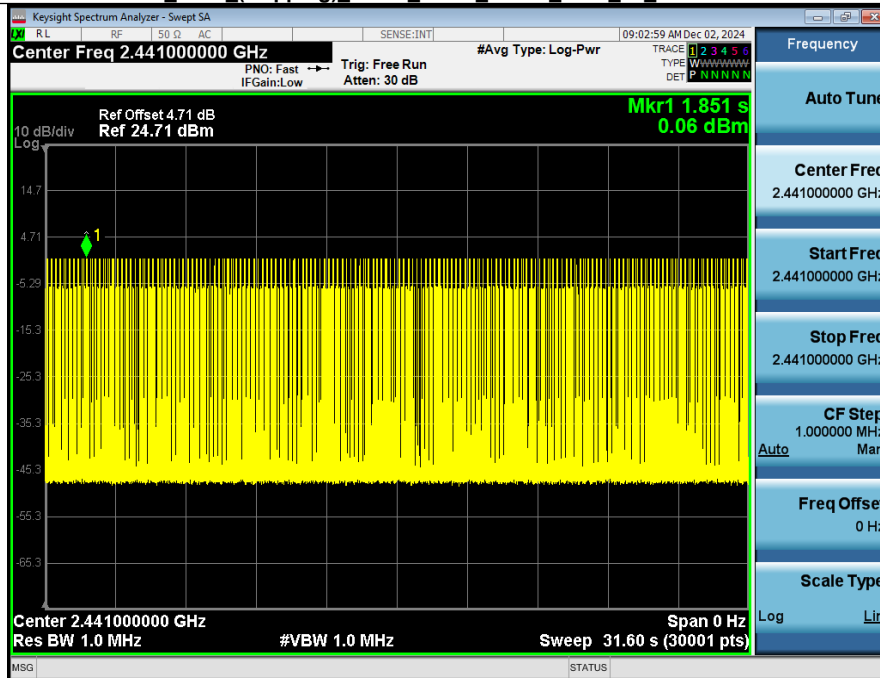
Dwell Time (Hopping) NVNT_ANT1_2-DH1_2441_00_Accumulated



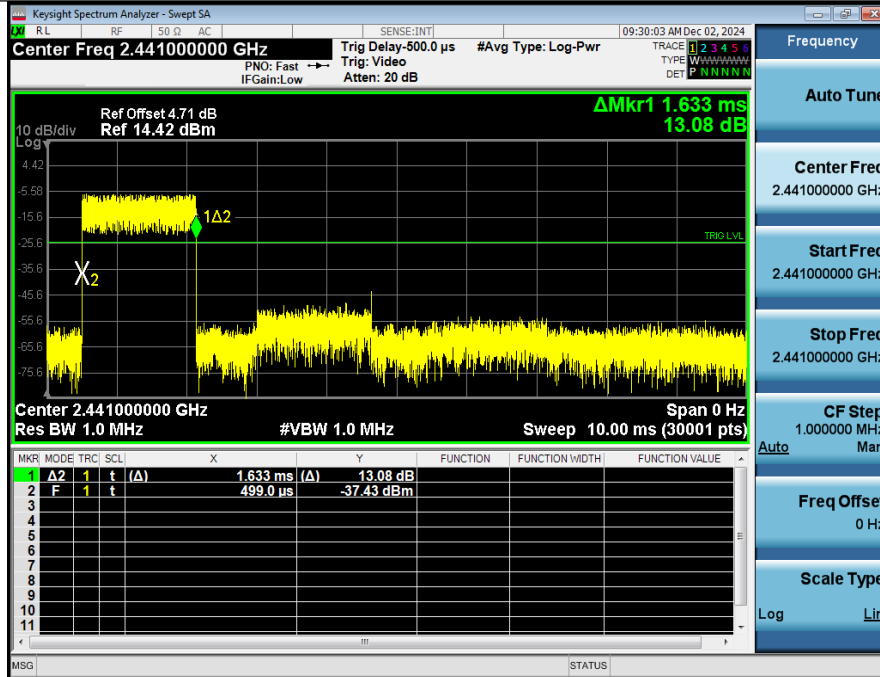
Dwell Time (Hopping) NVNT_ANT1_3-DH1_2441_00_One_Burst_Time



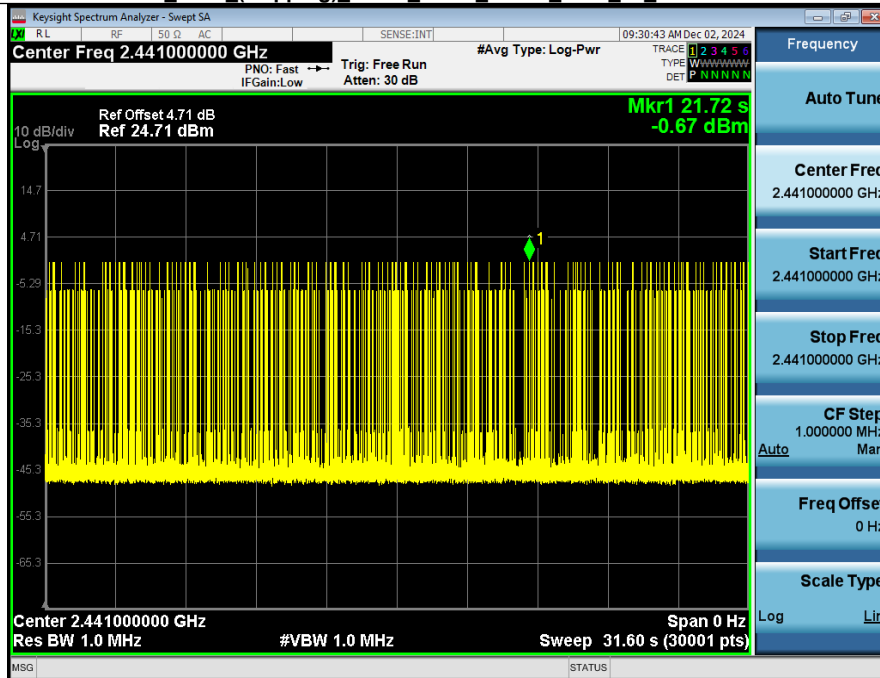
Dwell Time (Hopping) NVNT_ANT1_3-DH1_2441_00_Accumulated



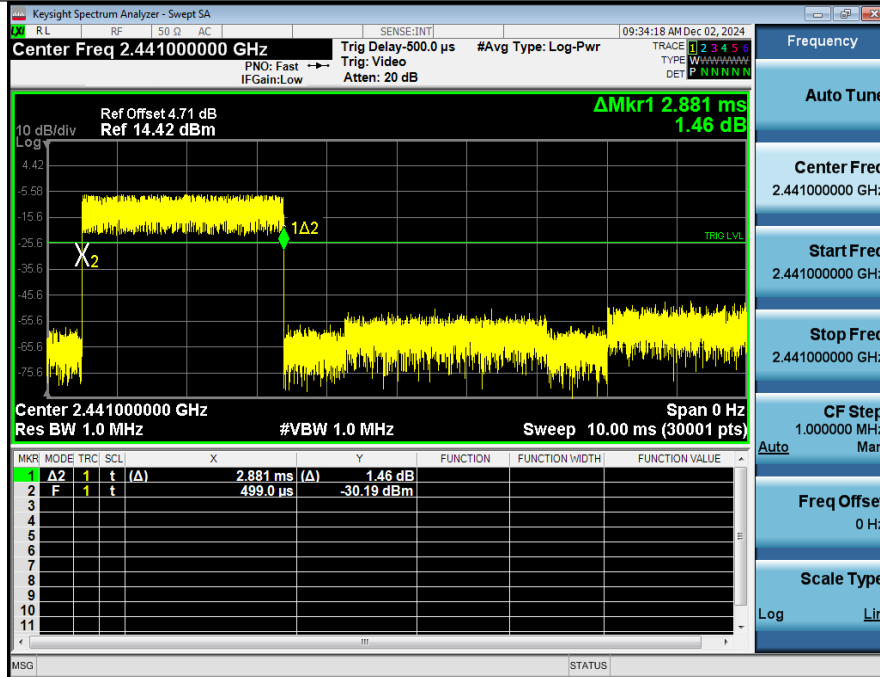
Dwell Time (Hopping) NVNT_ANT1_1-DH3_2441_00_One_Burst Time



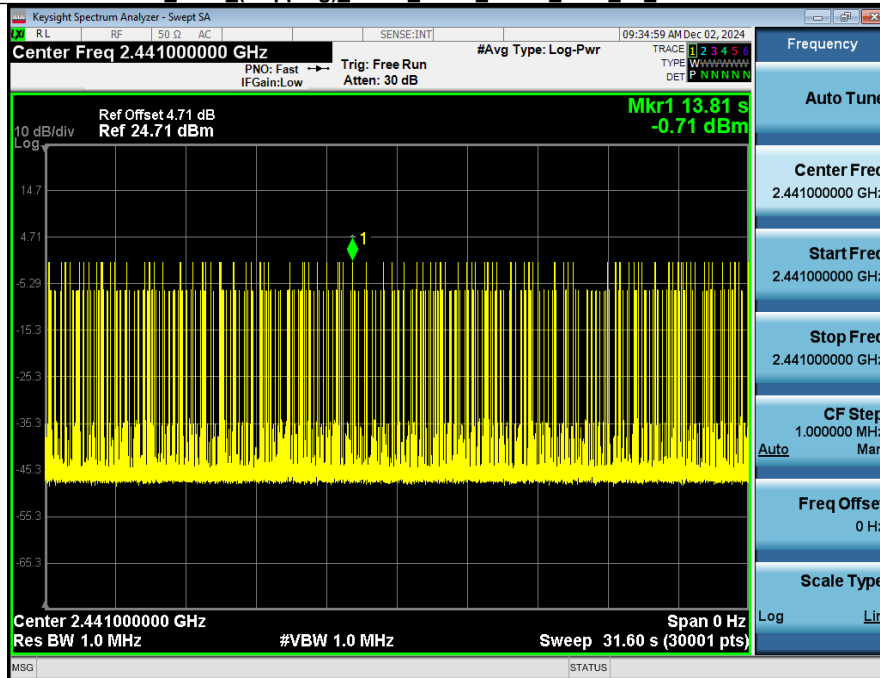
Dwell Time (Hopping) NVNT_ANT1_1-DH3_2441_00_Accumulated



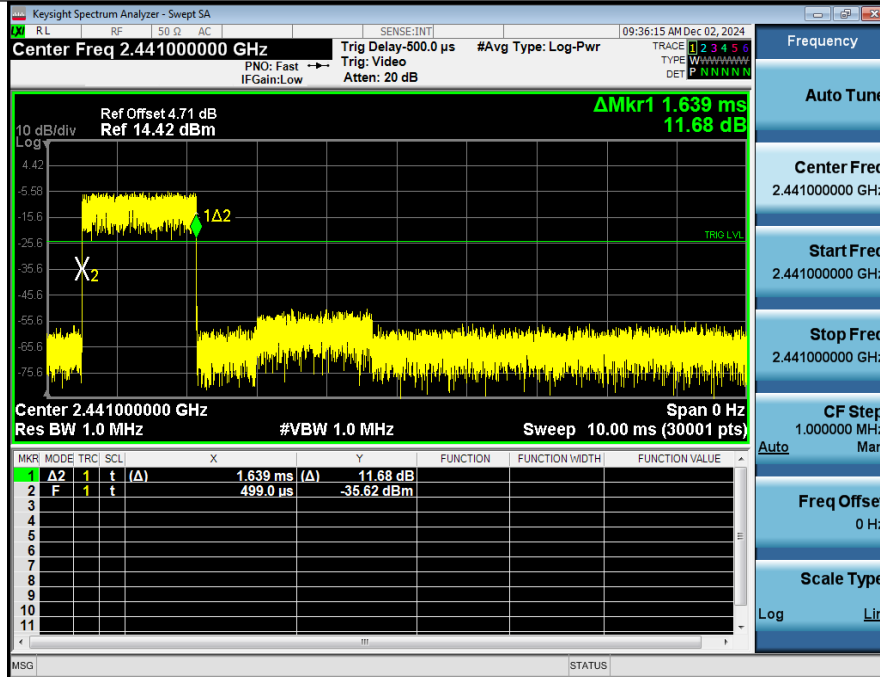
Dwell Time (Hopping) NVNT_ANT1_1-DH5_2441_00_One_Burst Time



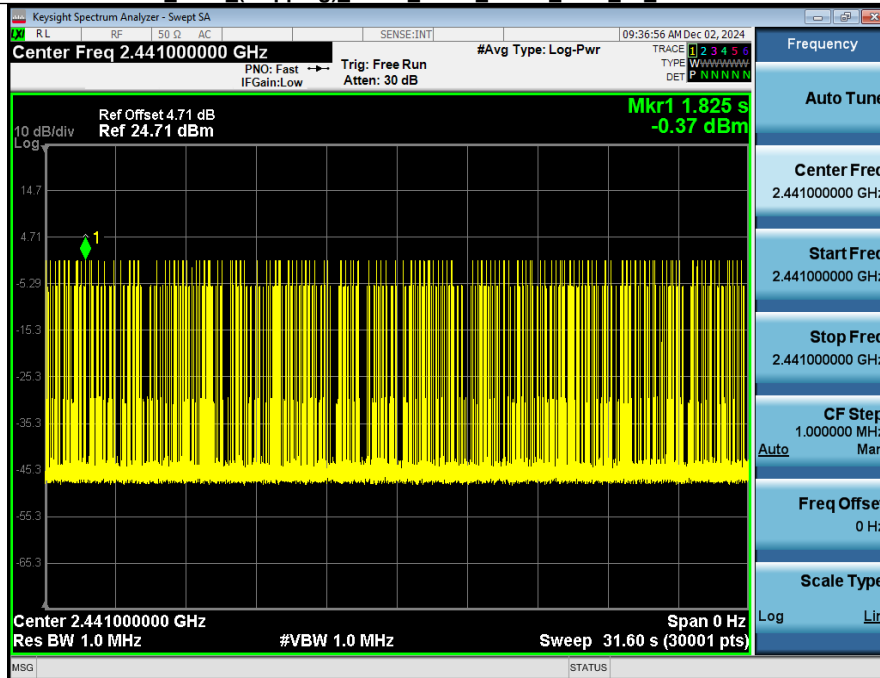
Dwell Time (Hopping) NVNT_ANT1_1-DH5_2441_00_Accumulated



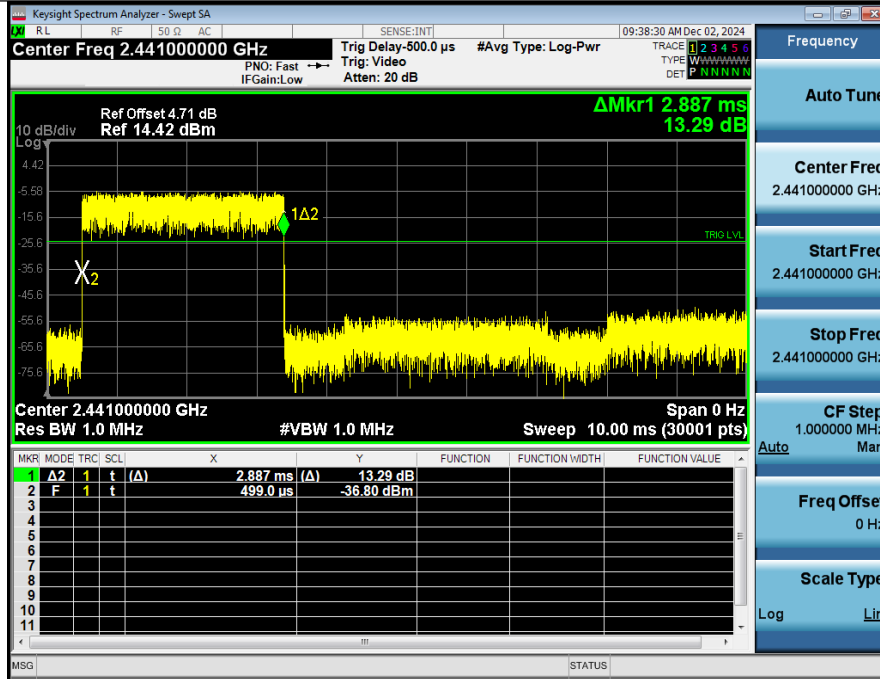
Dwell Time (Hopping) NVNT_ANT1_2-DH3_2441_00_One_Burst_Time



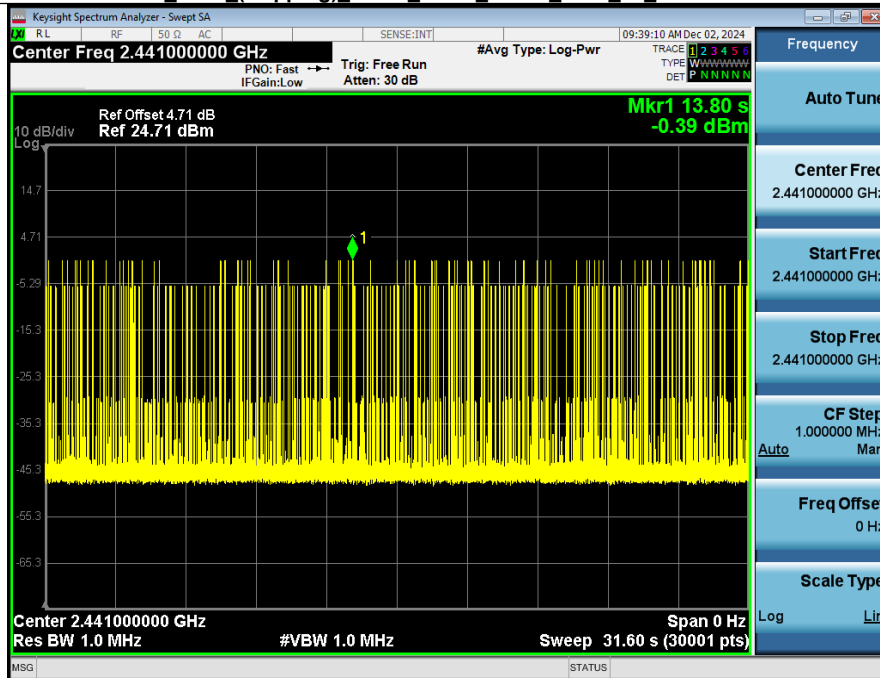
Dwell Time (Hopping) NVNT_ANT1_2-DH3_2441_00_Accumulated



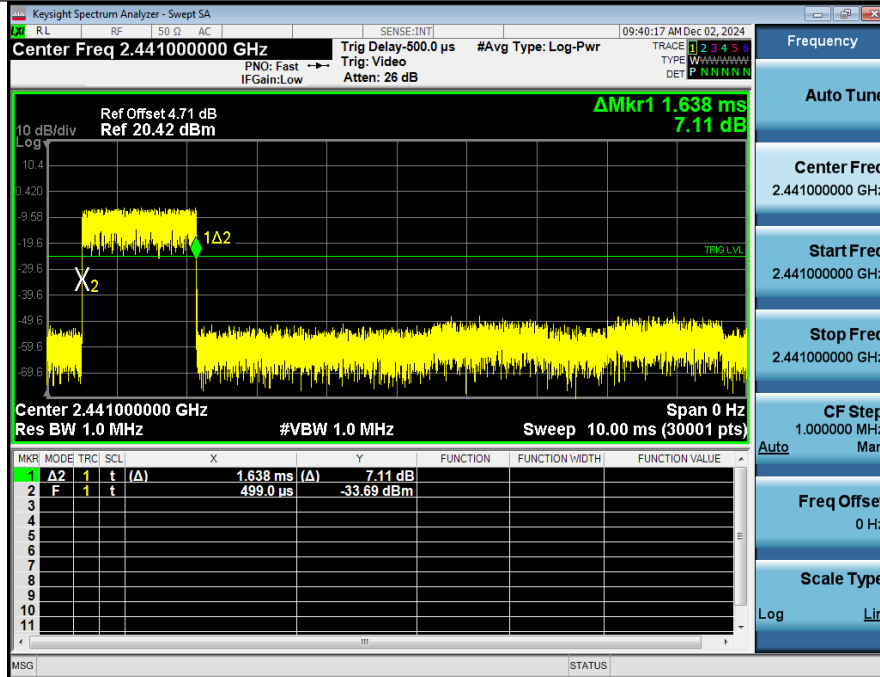
Dwell Time (Hopping) NVNT_ANT1_2-DH5_2441_00_One_Burst_Time



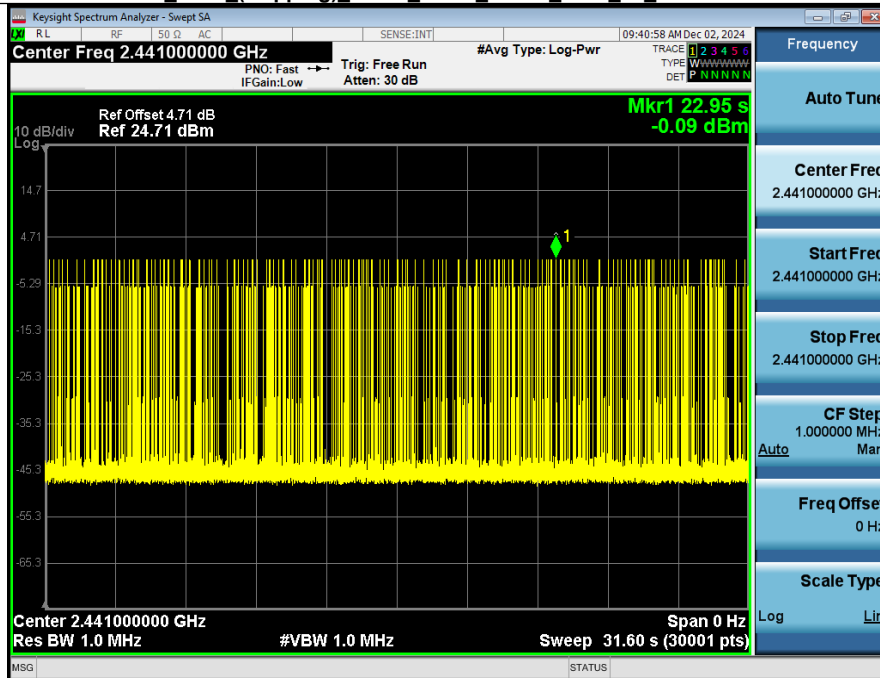
Dwell Time (Hopping) NVNT_ANT1_2-DH5_2441_00_Accumulated



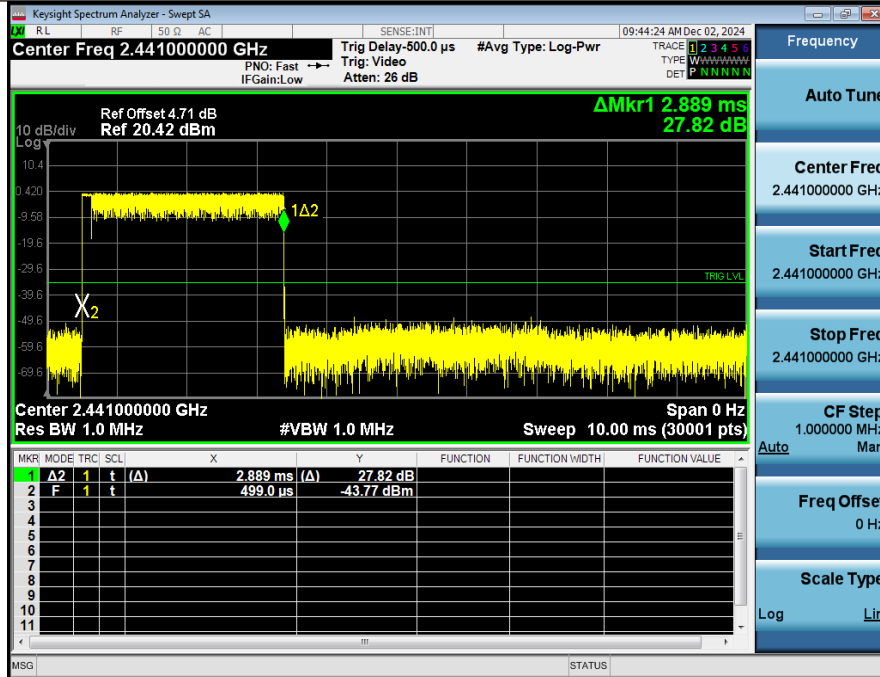
Dwell Time (Hopping) NVNT_ANT1_3-DH3_2441_00_One_Burst_Time



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

