

Table of Contents

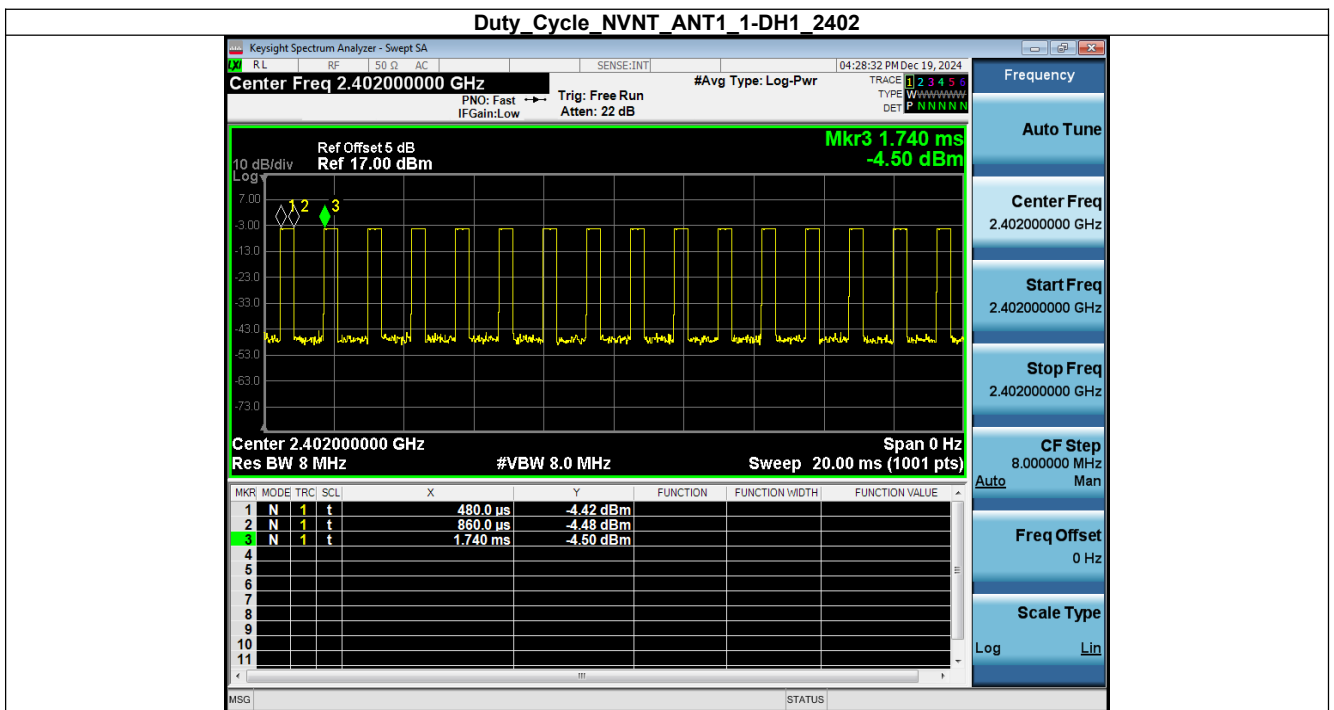
1. Duty Cycle	2
2. -20dB Bandwidth	7
3. 99% Occupied Bandwidth	12
4. Peak Output Power	17
5. Spurious Emissions	18
6. Bandedge	27
7. Carrier Frequencies Separation (Hopping)	40
8. Number of Hopping Channel (Hopping)	45
9. Dwell Time (Hopping)	47

FCC ID:2BMXP-BTW77

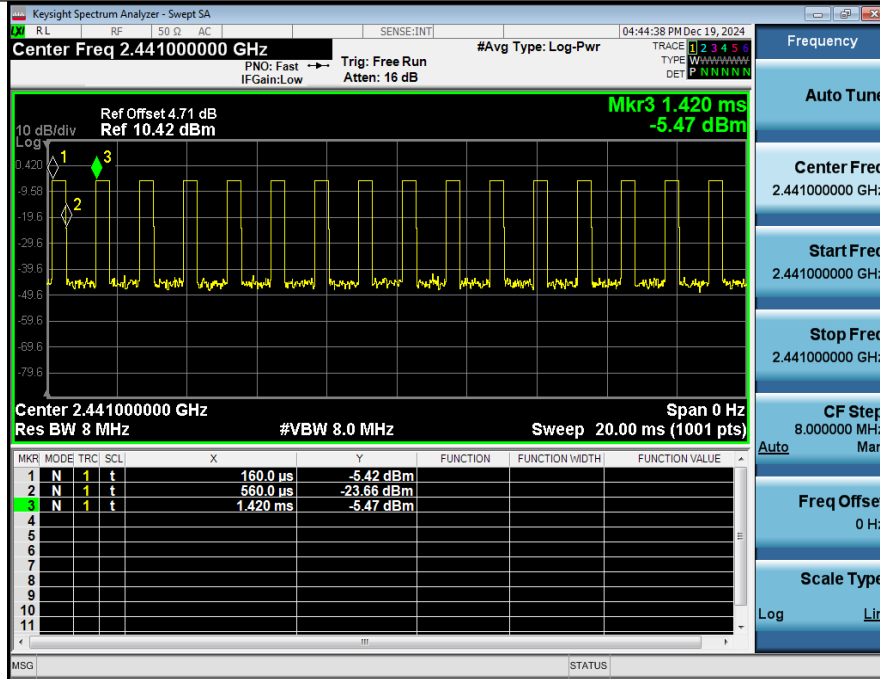
FCC_BT (Part15.247) Test Data

1. Duty Cycle

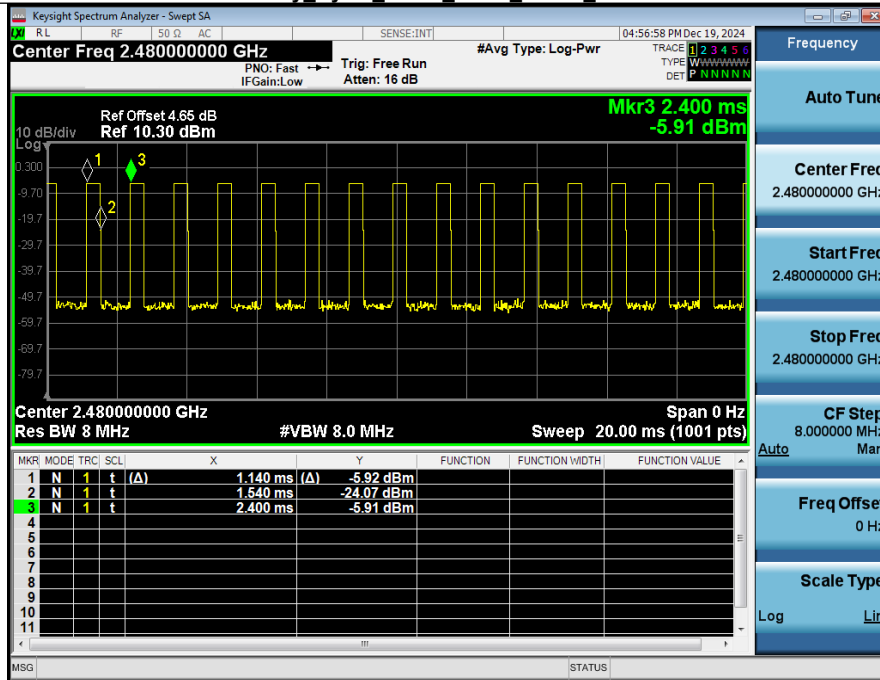
Condition	Antenna	Rate	Frequency (MHz)	Dutycycle(%)	Duty_factor
NVNT	ANT1	1-DH1	2402.00	30.16	5.21
NVNT	ANT1	1-DH1	2441.00	31.75	4.98
NVNT	ANT1	1-DH1	2480.00	33.33	4.77
NVNT	ANT1	2-DH1	2402.00	30.65	5.14
NVHT	ANT1	2-DH1	2441.00	31.75	4.98
NVHT	ANT1	2-DH1	2480.00	30.65	5.14
NVHT	ANT1	3-DH1	2402.00	33.33	4.77
NVHT	ANT1	3-DH1	2441.00	33.87	4.70
NVHT	ANT1	3-DH1	2480.00	31.75	4.98



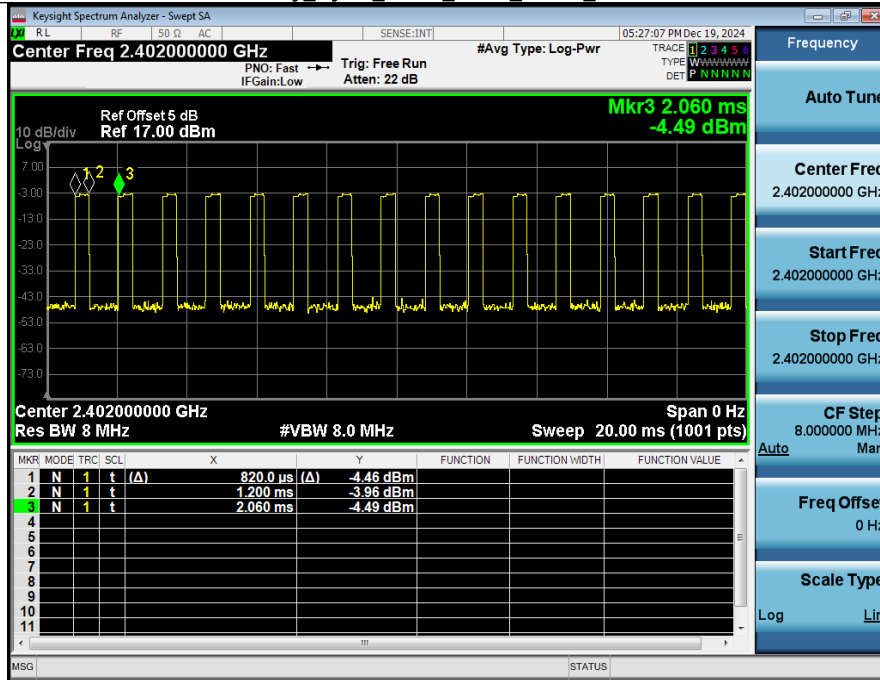
Duty Cycle NVNT_ANT1_1-DH1_2441



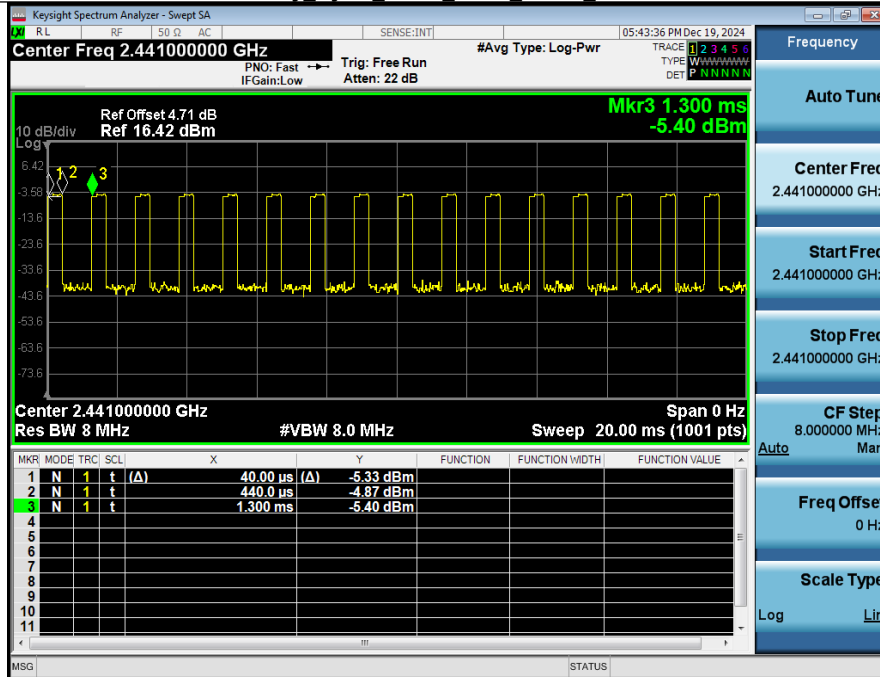
Duty Cycle NVNT_ANT1_1-DH1_2480



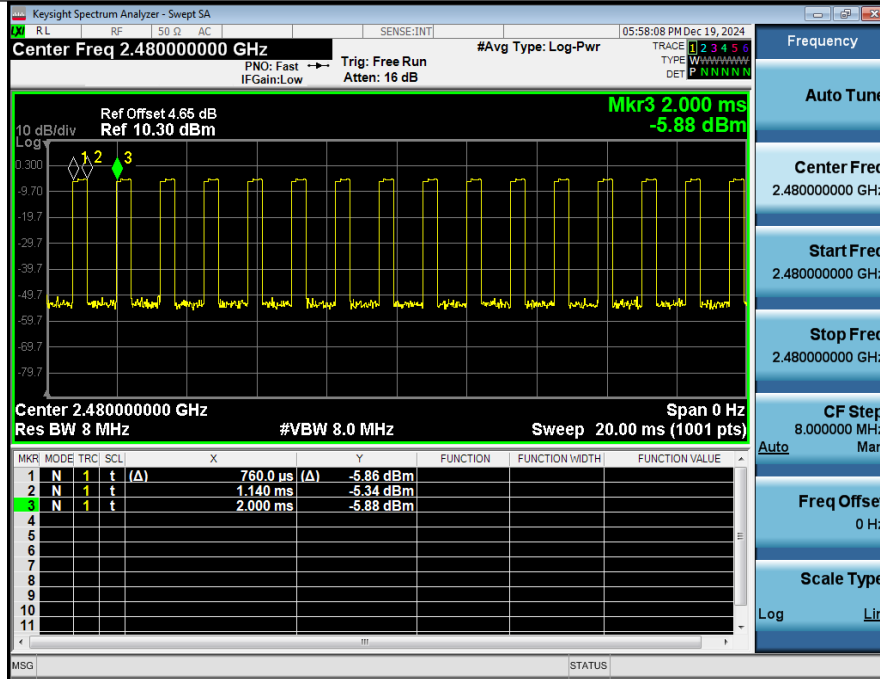
Duty Cycle NVNT_ANT1 2-DH1_2402



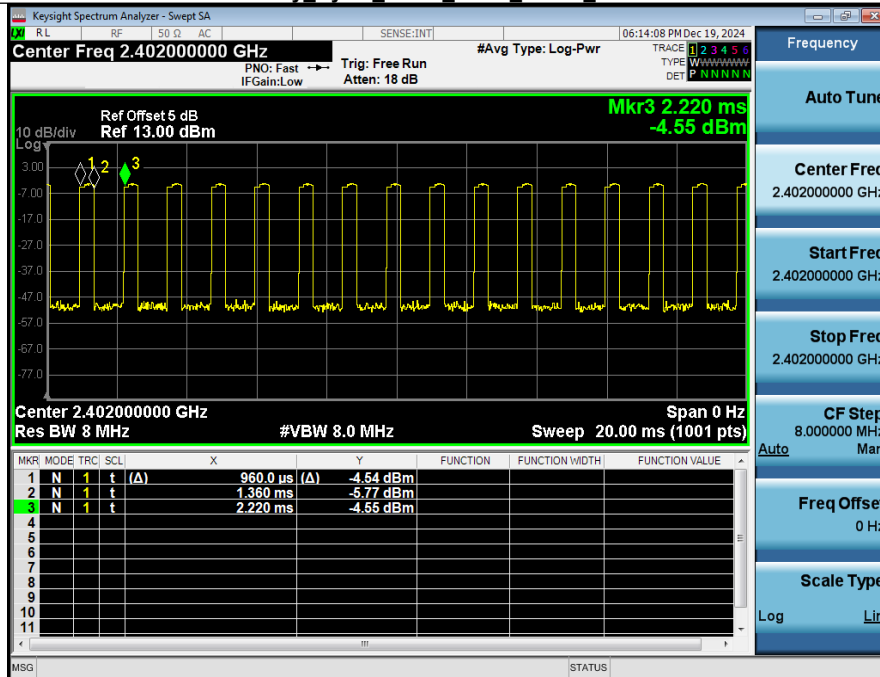
Duty Cycle NVHT_ANT1 2-DH1_2441



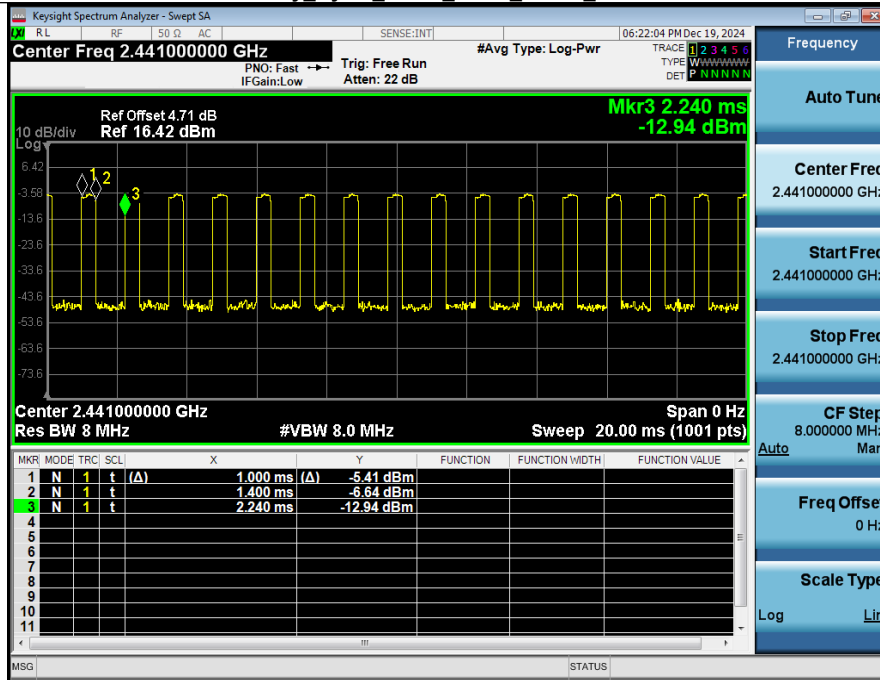
Duty Cycle NVHT_ANT1_2-DH1_2480



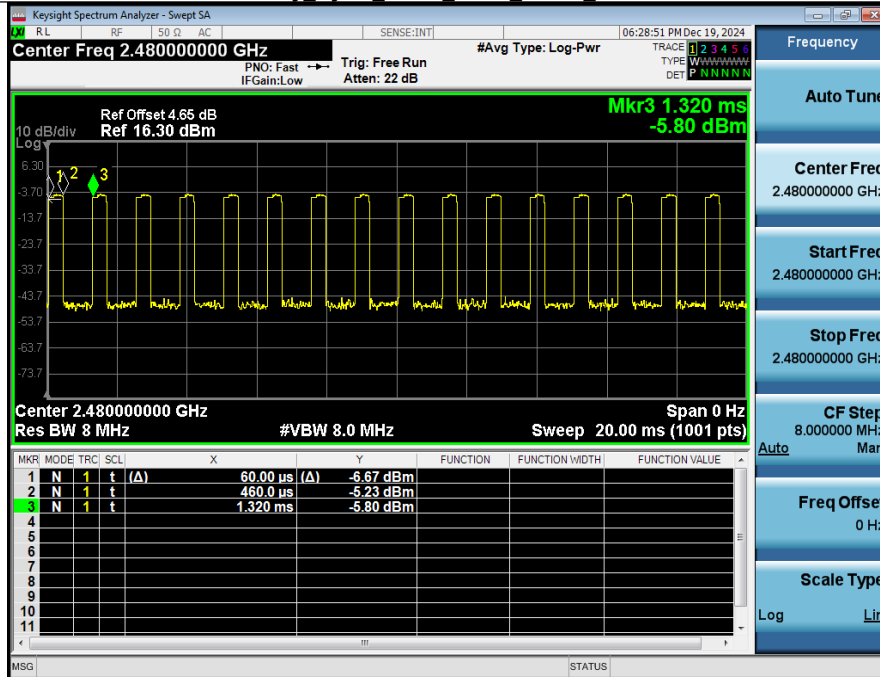
Duty Cycle NVHT_ANT1_3-DH1_2402



Duty Cycle NVHT_ANT1_3-DH1_2441

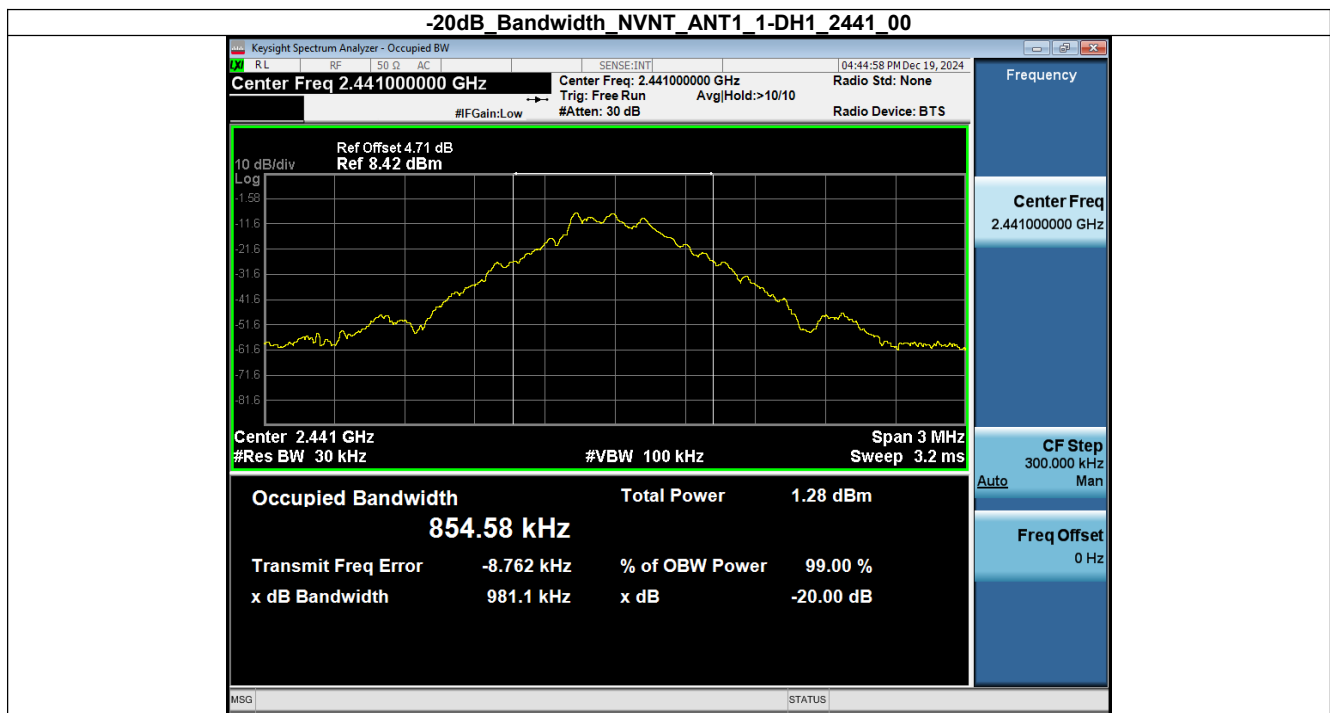
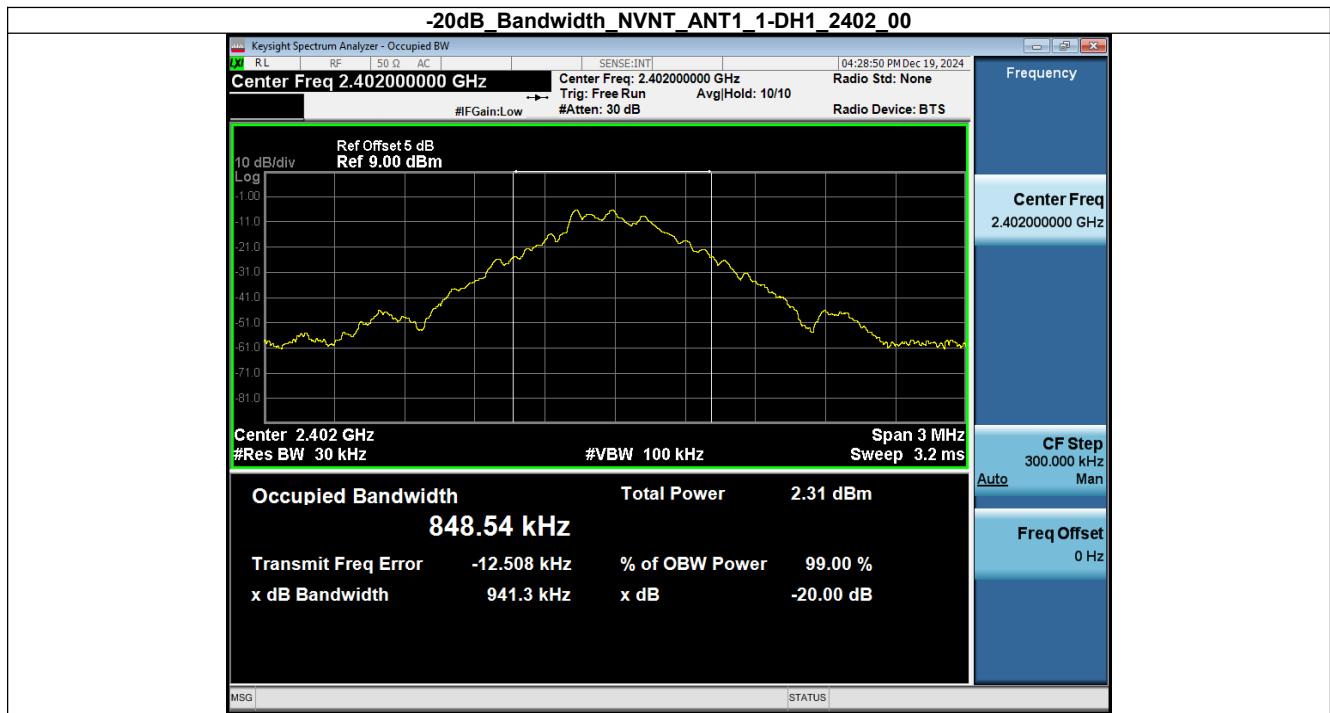


Duty Cycle NVHT_ANT1_3-DH1_2480

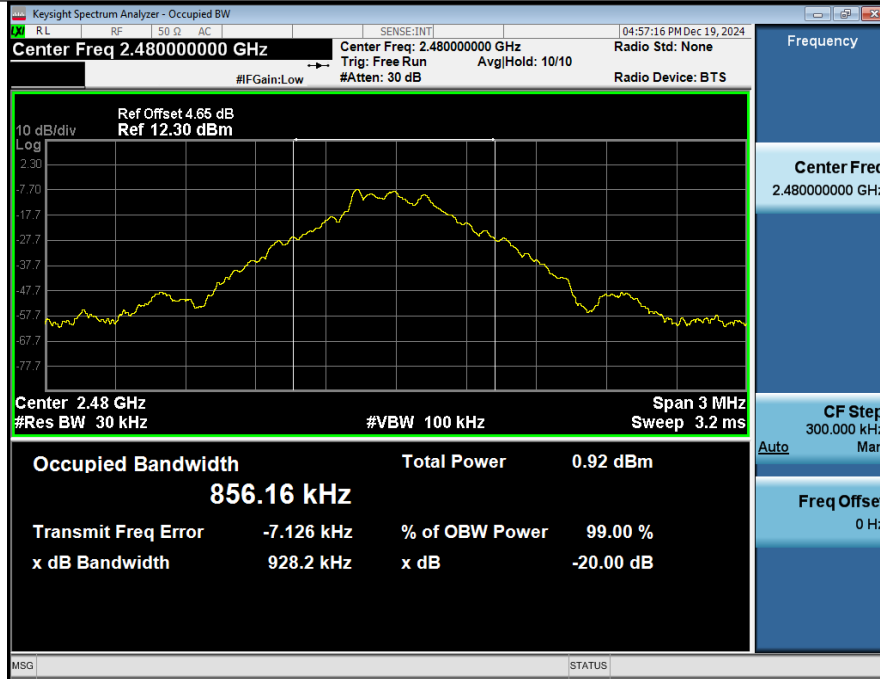


2. -20dB Bandwidth

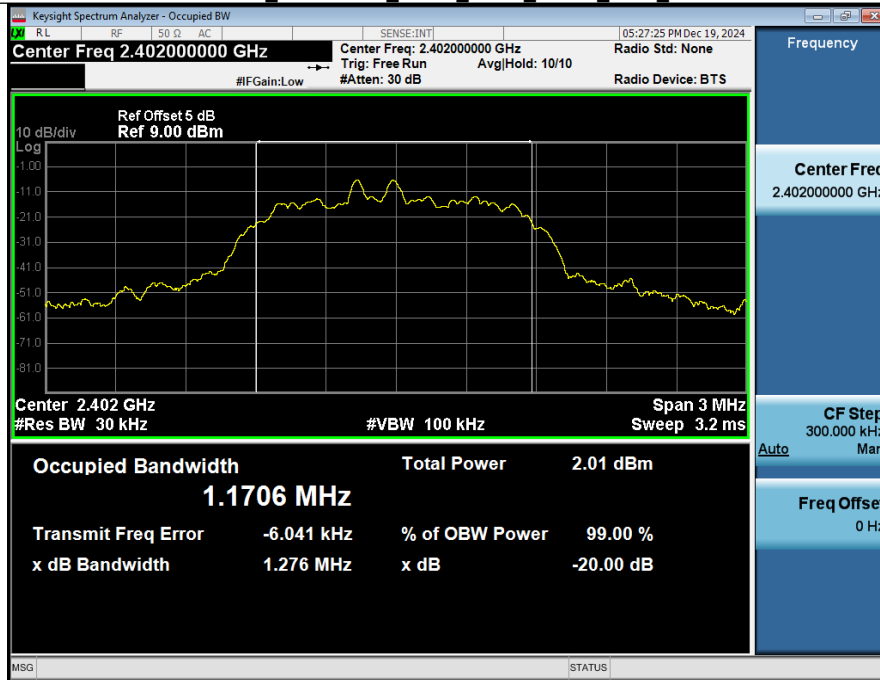
Condition	Antenna	Modulation	Frequency (MHz)	-20dB BW(MHz)	if larger than CFS
NVNT	ANT1	1-DH1	2402.00	0.941	No
NVNT	ANT1	1-DH1	2441.00	0.981	No
NVNT	ANT1	1-DH1	2480.00	0.928	No
NVNT	ANT1	2-DH1	2402.00	1.276	Yes
NVHT	ANT1	2-DH1	2441.00	1.276	Yes
NVHT	ANT1	2-DH1	2480.00	1.268	Yes
NVHT	ANT1	3-DH1	2402.00	1.220	Yes
NVHT	ANT1	3-DH1	2441.00	1.222	Yes
NVHT	ANT1	3-DH1	2480.00	1.225	Yes



-20dB_Bandwidth_NVNT_ANT1_1-DH1_2480_00



-20dB_Bandwidth_NVNT_ANT1_2-DH1_2402_00



-20dB_Bandwidth_NVHT_ANT1_2-DH1_2441_00



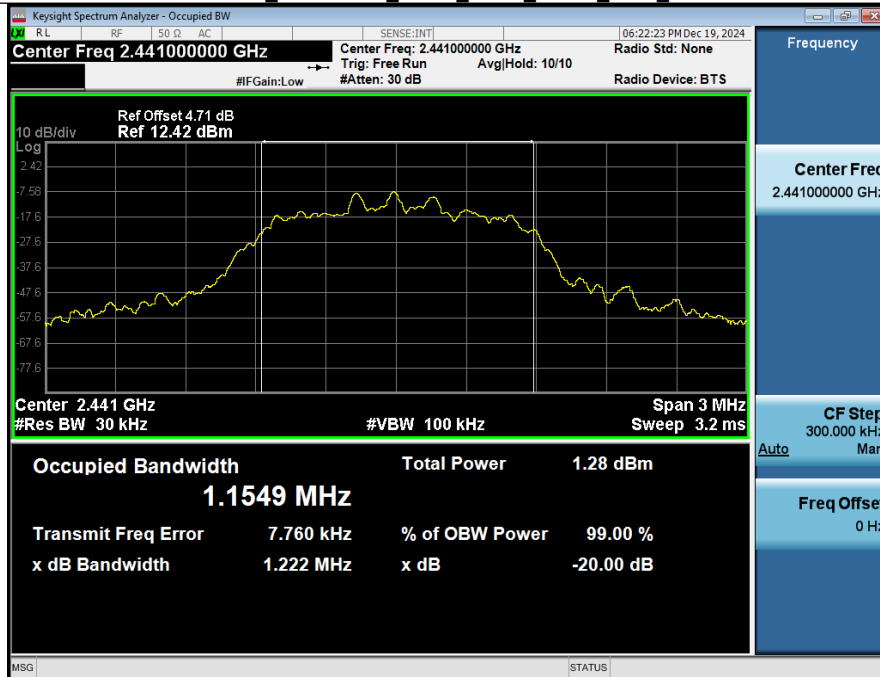
-20dB_Bandwidth_NVHT_ANT1_2-DH1_2480_00



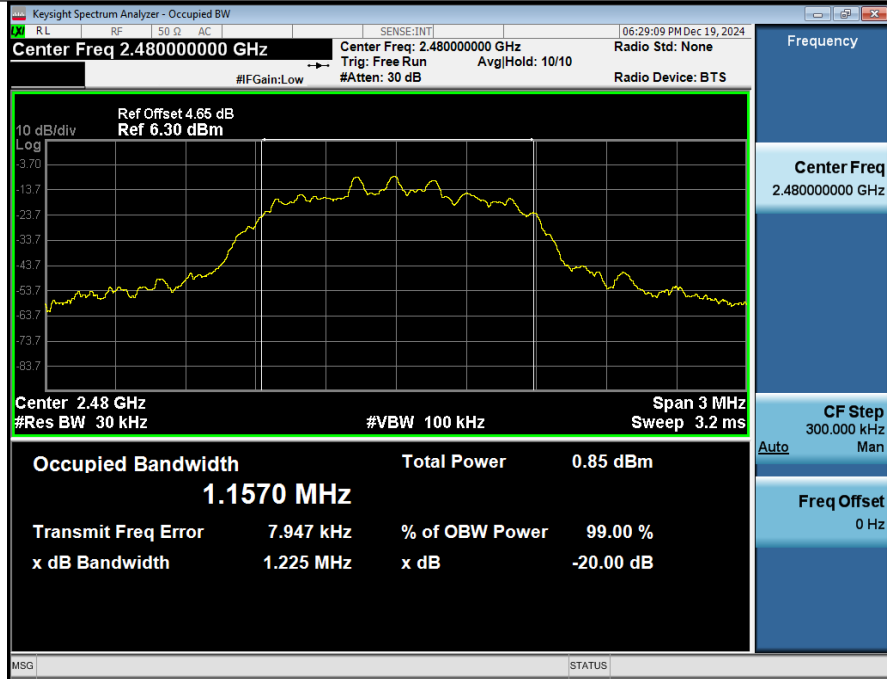
-20dB_Bandwidth_NVHT_ANT1_3-DH1_2402_00



-20dB_Bandwidth_NVHT_ANT1_3-DH1_2441_00

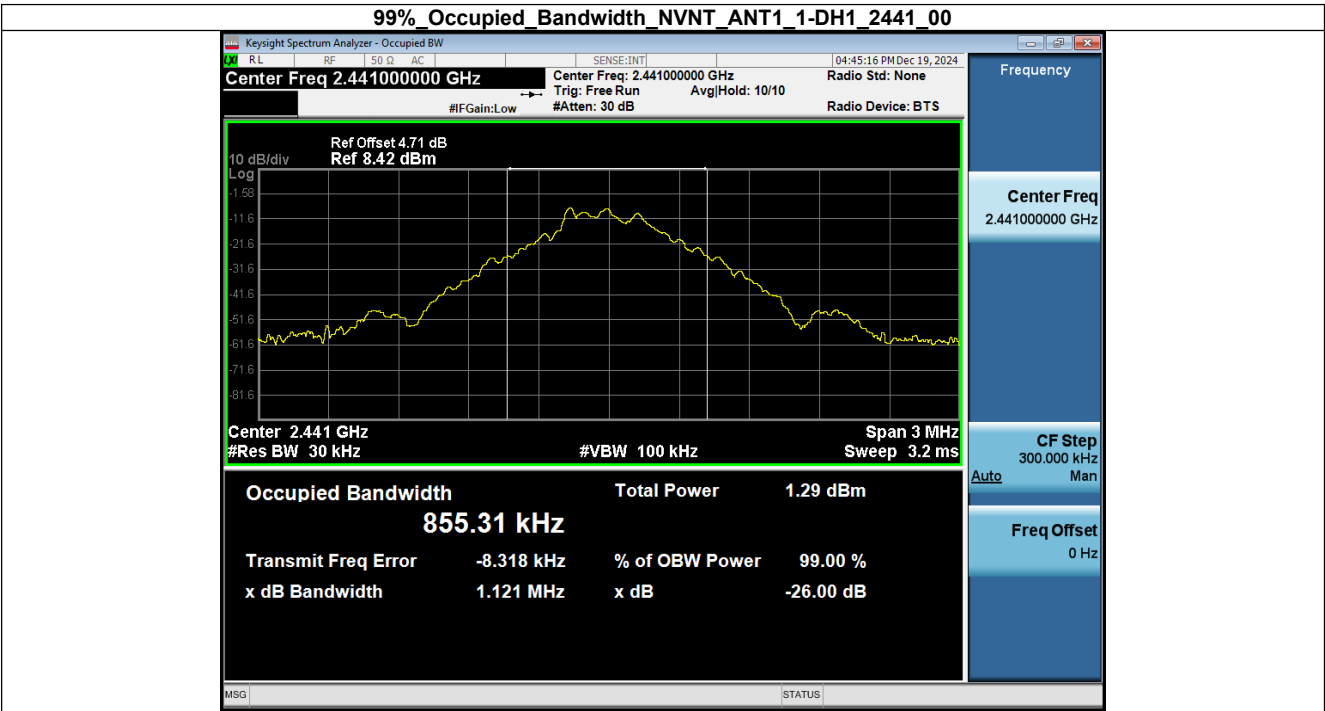
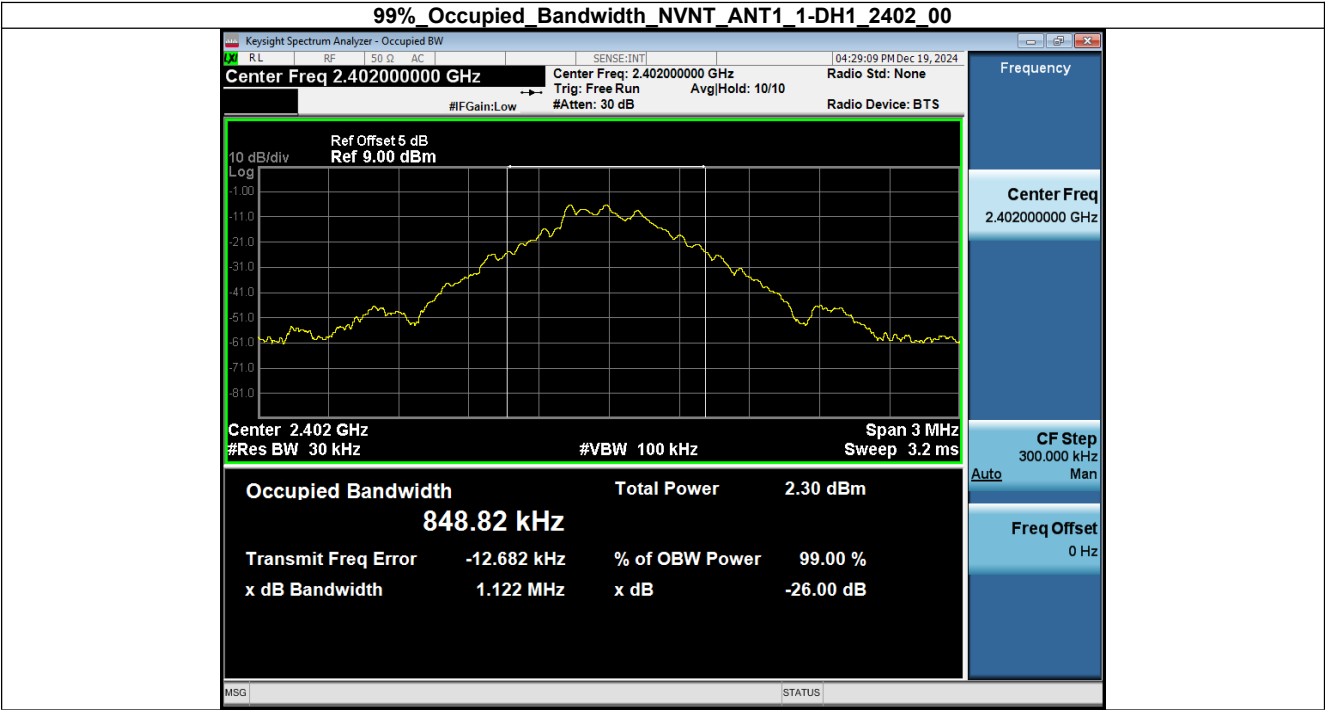


-20dB_Bandwidth_NVHT_ANT1_3-DH1_2480_00

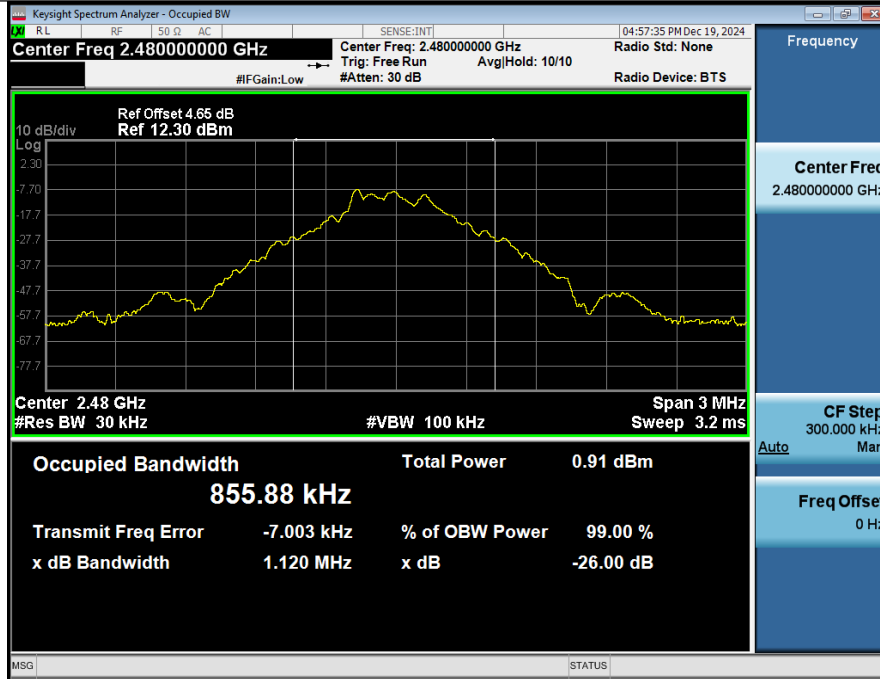


3. 99% Occupied Bandwidth

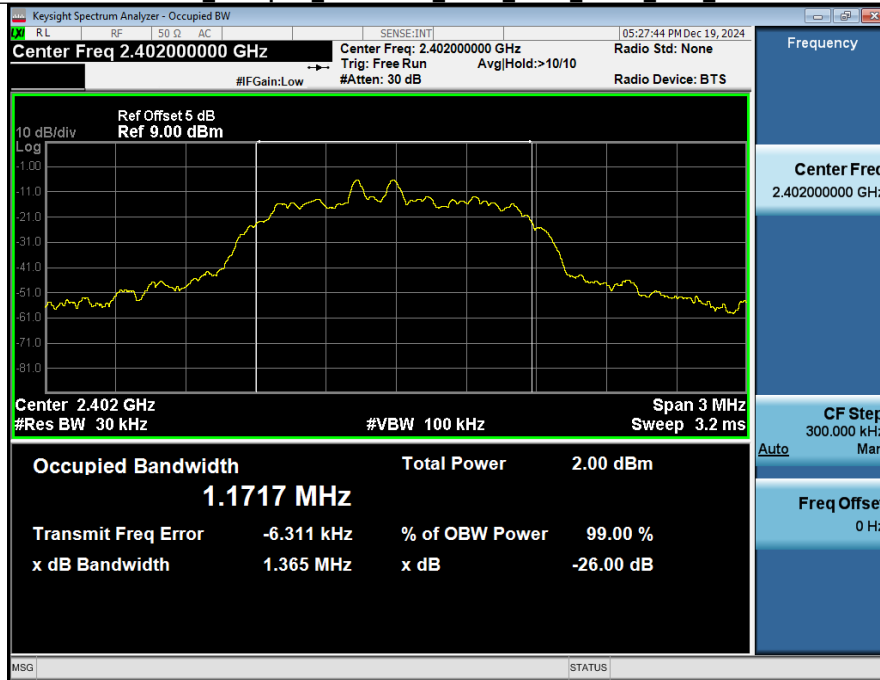
Condition	Antenna	Modulation	Frequency (MHz)	99%%BW(MHz)
NVNT	ANT1	1-DH1	2402.00	0.849
NVNT	ANT1	1-DH1	2441.00	0.855
NVNT	ANT1	1-DH1	2480.00	0.856
NVNT	ANT1	2-DH1	2402.00	1.172
NVHT	ANT1	2-DH1	2441.00	1.175
NVHT	ANT1	2-DH1	2480.00	1.174
NVHT	ANT1	3-DH1	2402.00	1.151
NVHT	ANT1	3-DH1	2441.00	1.155
NVHT	ANT1	3-DH1	2480.00	1.157



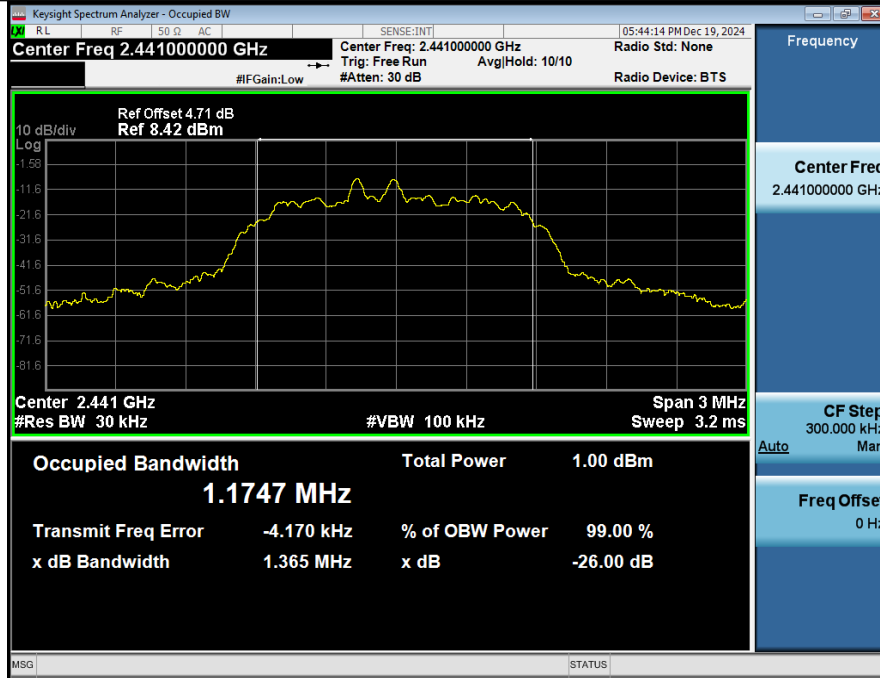
99% Occupied Bandwidth NVNT_ANT1_1-DH1_2480_00



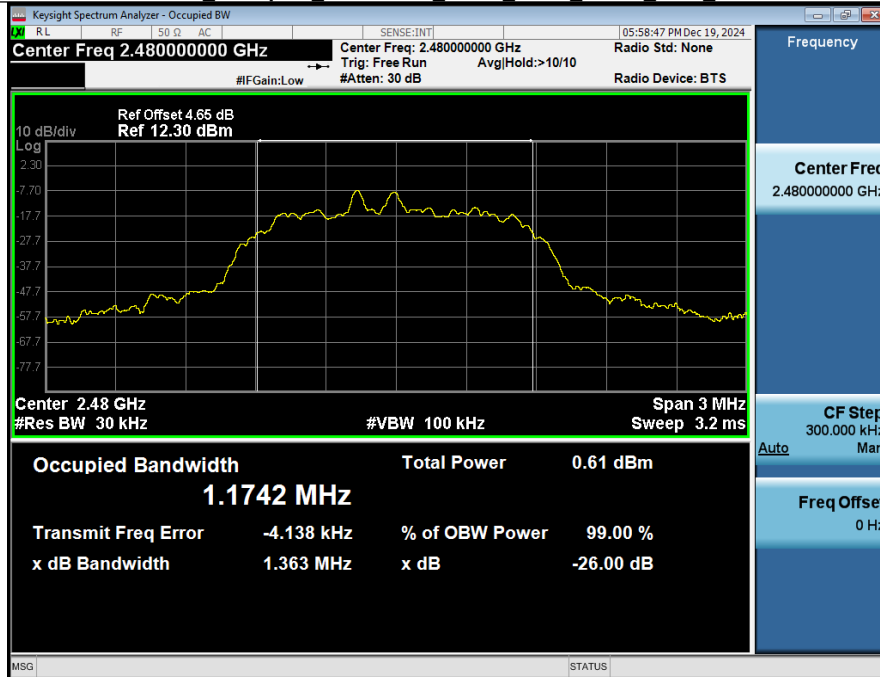
99% Occupied Bandwidth NVNT_ANT1_2-DH1_2402_00



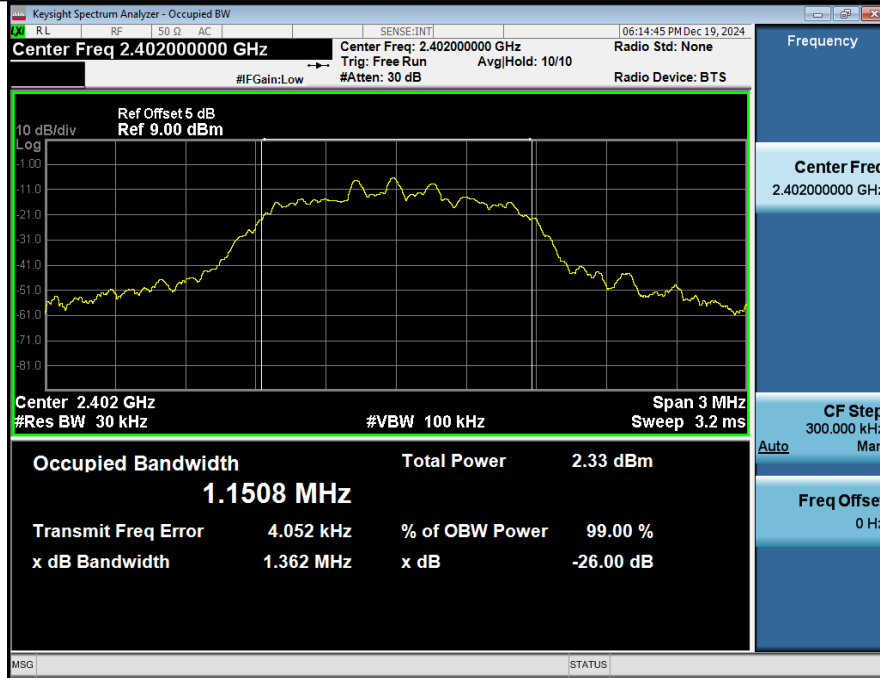
99% Occupied Bandwidth NVHT_ANT1_2-DH1_2441_00



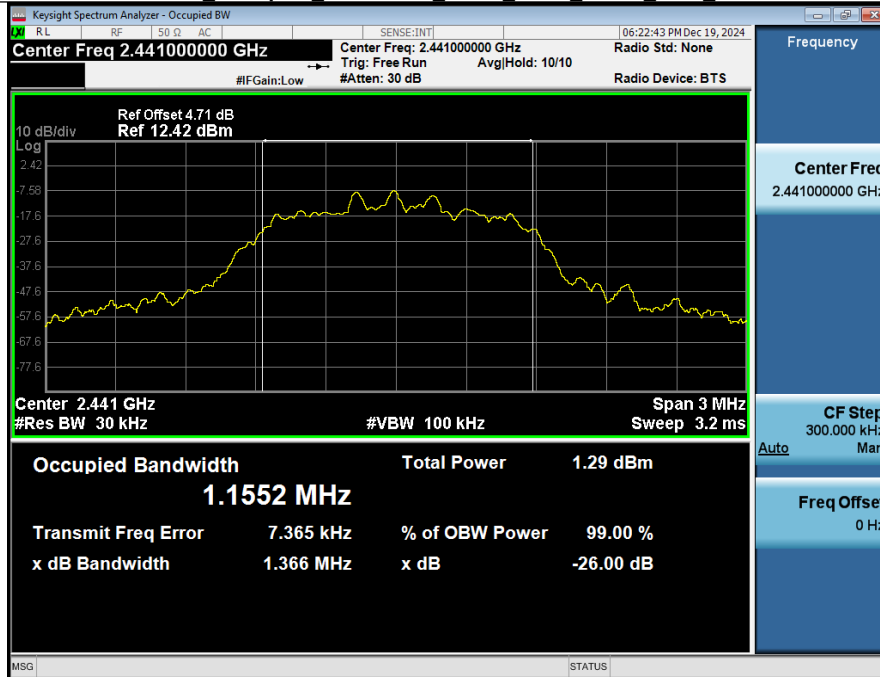
99% Occupied Bandwidth NVHT_ANT1_2-DH1_2480_00



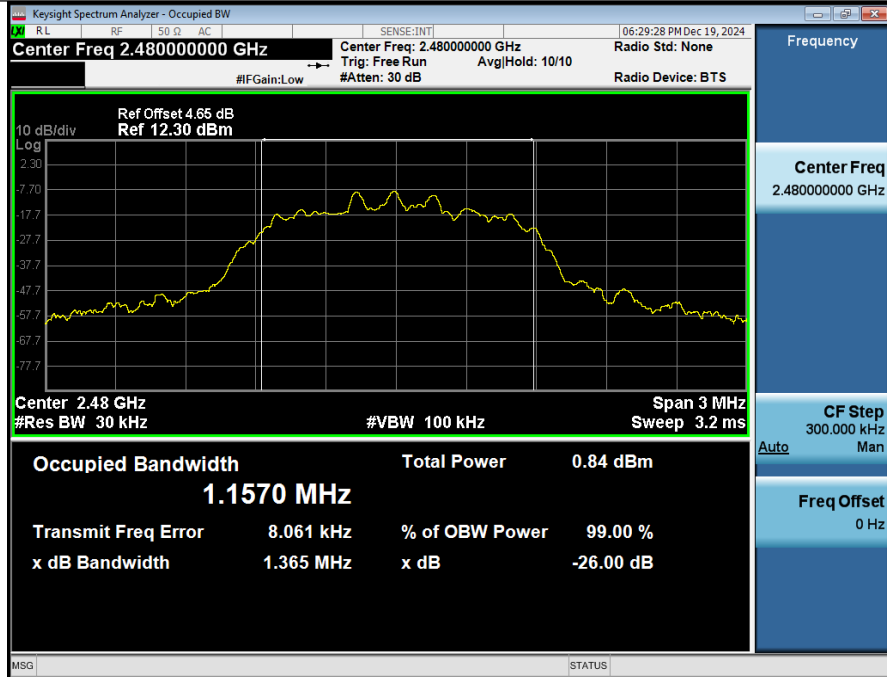
99% Occupied Bandwidth NVHT_ANT1_3-DH1_2402_00



99% Occupied Bandwidth NVHT_ANT1_3-DH1_2441_00



99% Occupied Bandwidth NVHT_ANT1_3-DH1_2480_00

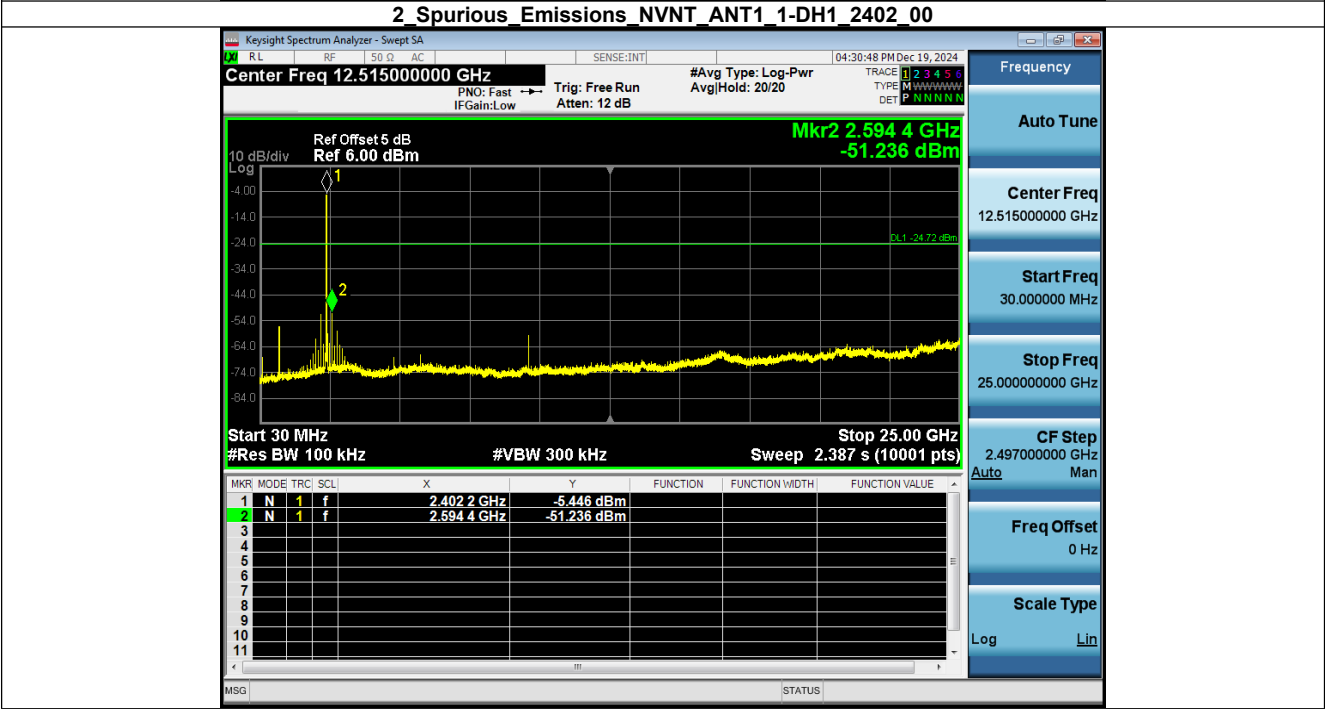
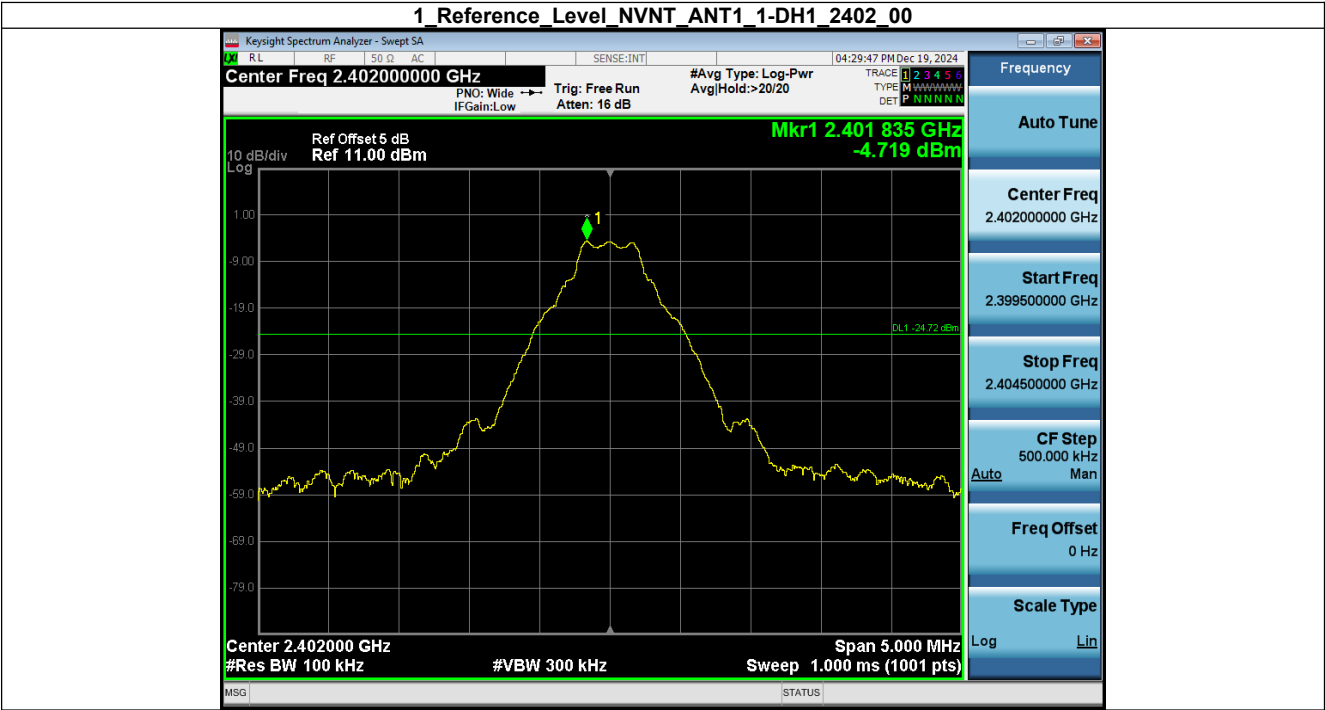


4. Peak Output Power

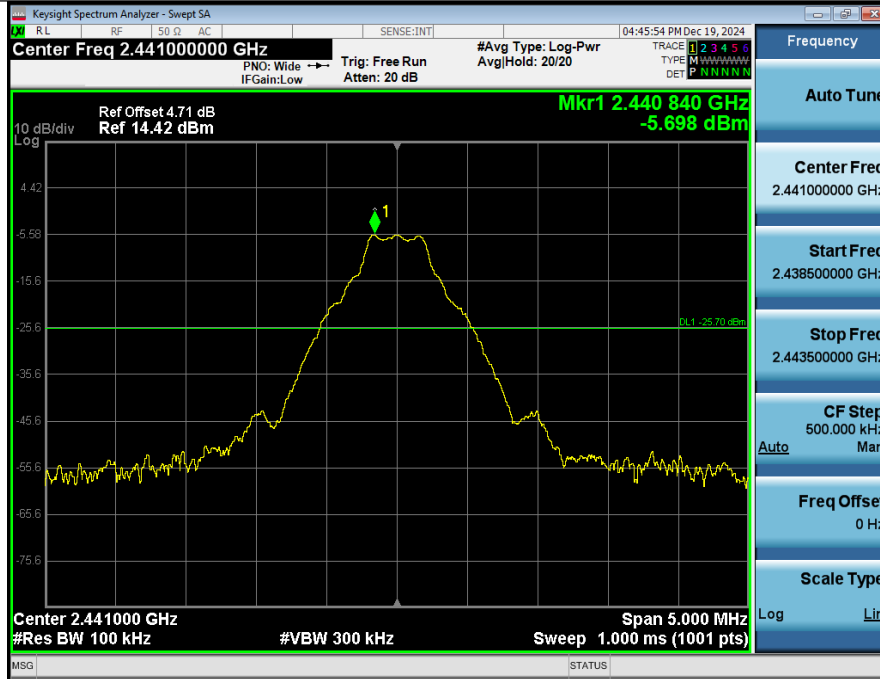
Condition	Antenna	Modulation	Frequency (MHz)	Max. Conducted Power(dBm)	Max. Conducted Power(mW)	Limit(mW)	Result
NVNT	ANT1	1-DH1	2402.00	-4.51	0.35	1000	Pass
NVNT	ANT1	1-DH1	2441.00	-5.47	0.28	1000	Pass
NVNT	ANT1	1-DH1	2480.00	-5.90	0.26	1000	Pass
NVNT	ANT1	2-DH1	2402.00	-3.70	0.43	125	Pass
NVHT	ANT1	2-DH1	2441.00	-4.58	0.35	125	Pass
NVHT	ANT1	2-DH1	2480.00	-5.05	0.31	125	Pass
NVHT	ANT1	3-DH1	2402.00	-3.08	0.49	125	Pass
NVHT	ANT1	3-DH1	2441.00	-4.08	0.39	125	Pass
NVHT	ANT1	3-DH1	2480.00	-4.52	0.35	125	Pass

5. Spurious Emissions

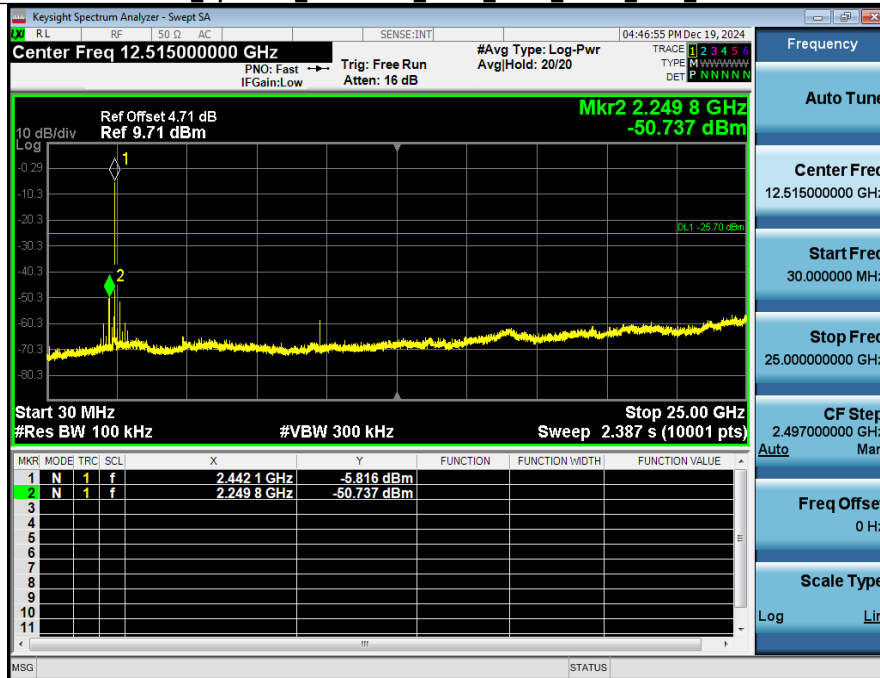
Condition	Antenna	Modulation	TX Mode	Spurious MAX.Value(dBm)	Limit	Result
NVNT	ANT1	1-DH1	2402.00	-51.236	-24.719	Pass
NVNT	ANT1	1-DH1	2441.00	-50.737	-25.698	Pass
NVNT	ANT1	1-DH1	2480.00	-50.883	-26.094	Pass
NVNT	ANT1	2-DH1	2402.00	-51.042	-24.736	Pass
NVHT	ANT1	2-DH1	2441.00	-50.879	-25.665	Pass
NVHT	ANT1	2-DH1	2480.00	-50.268	-26.080	Pass
NVHT	ANT1	3-DH1	2402.00	-51.130	-24.712	Pass
NVHT	ANT1	3-DH1	2441.00	-51.883	-25.664	Pass
NVHT	ANT1	3-DH1	2480.00	-52.077	-26.082	Pass



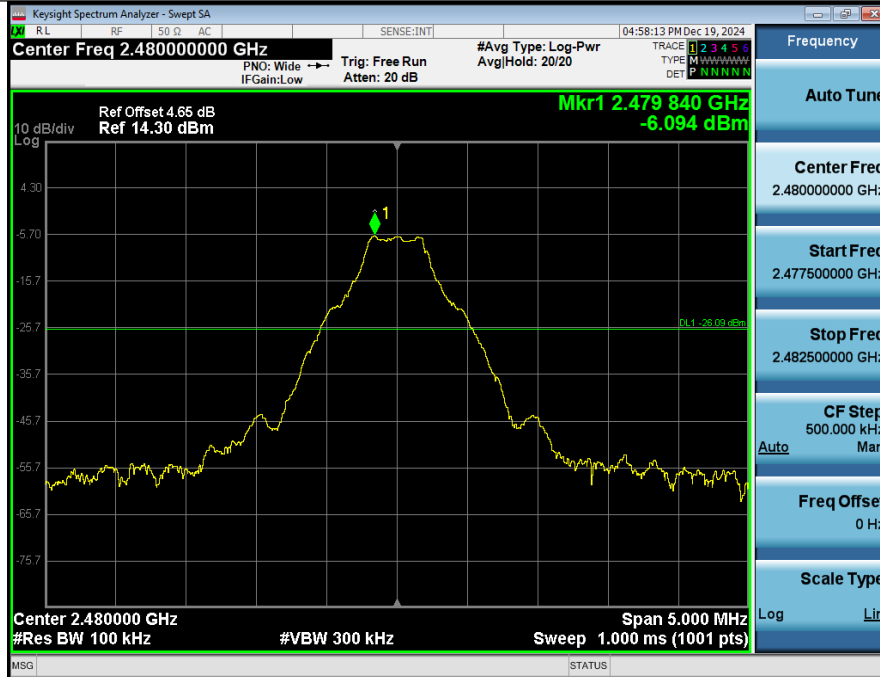
1 Reference_Level_NVNT_ANT1_1-DH1_2441_00



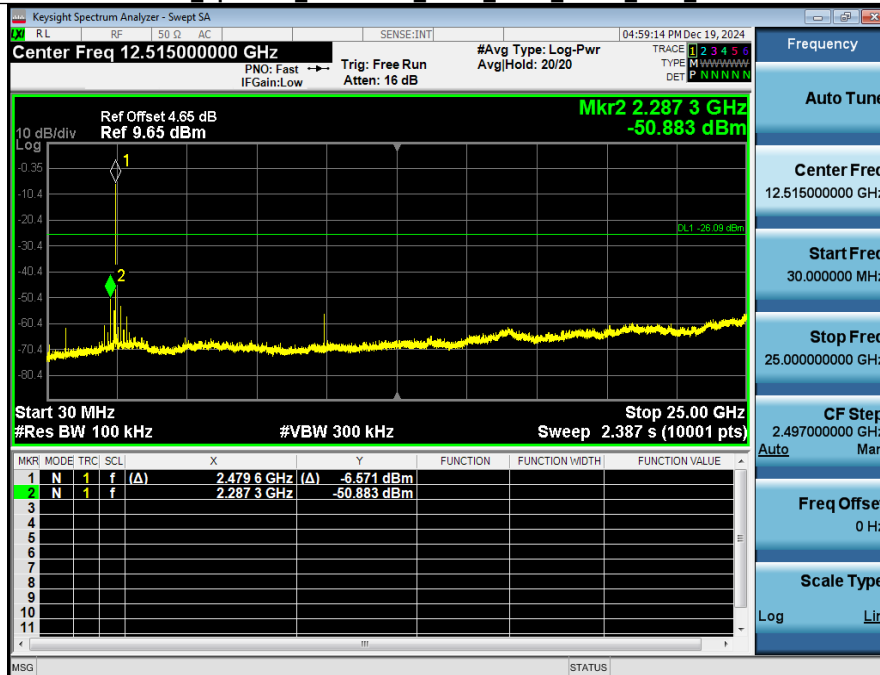
2 Spurious_Emissions_NVNT_ANT1_1-DH1_2441_00



1 Reference_Level_NVNT_ANT1_1-DH1_2480_00



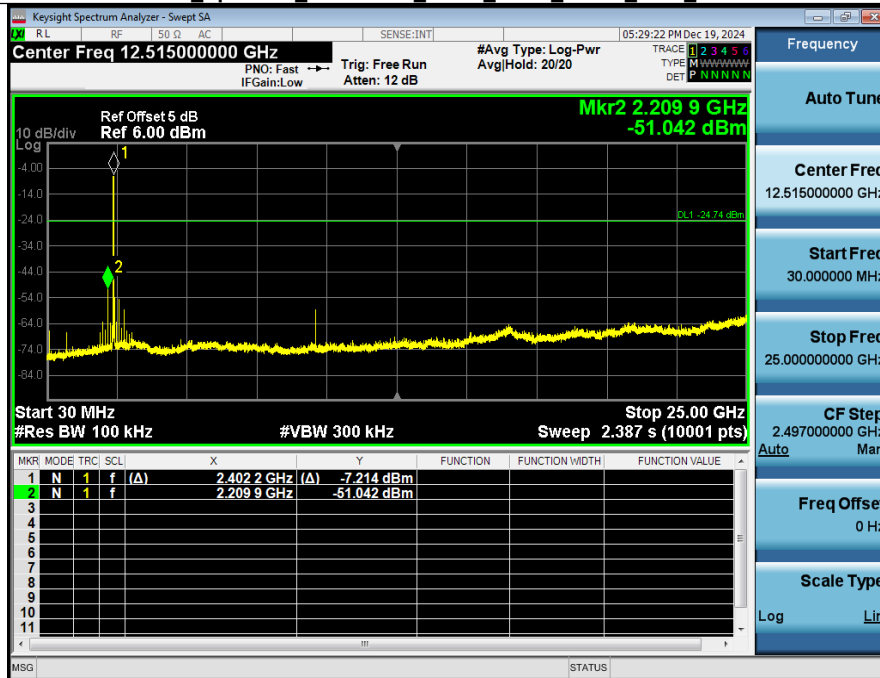
2 Spurious_Emissions_NVNT_ANT1_1-DH1_2480_00



1 Reference_Level_NVNT_ANT1_2-DH1_2402_00



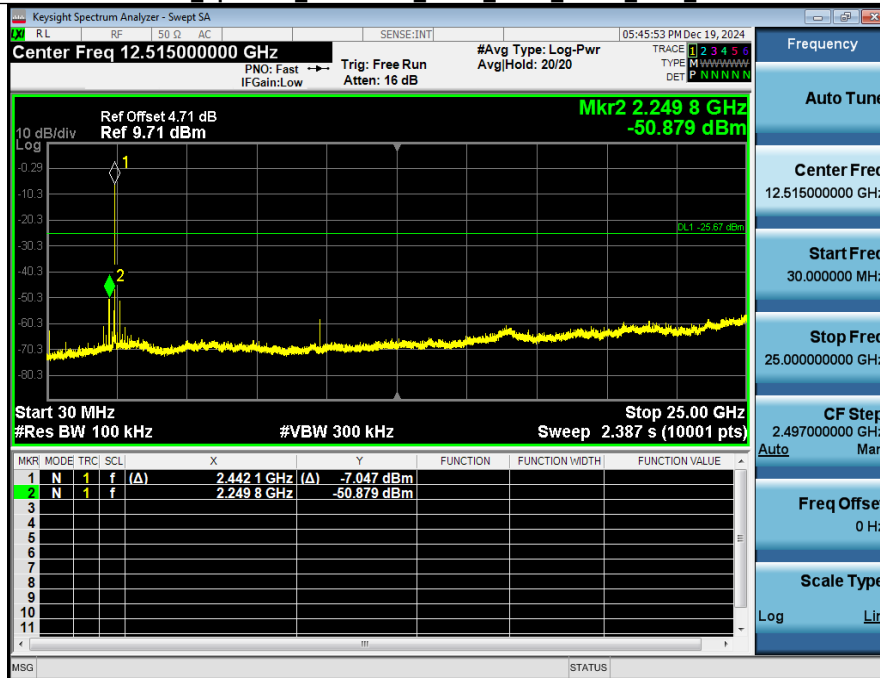
2 Spurious_Emissions_NVNT_ANT1_2-DH1_2402_00



1 Reference_Level_NVHT_ANT1_2-DH1_2441_00



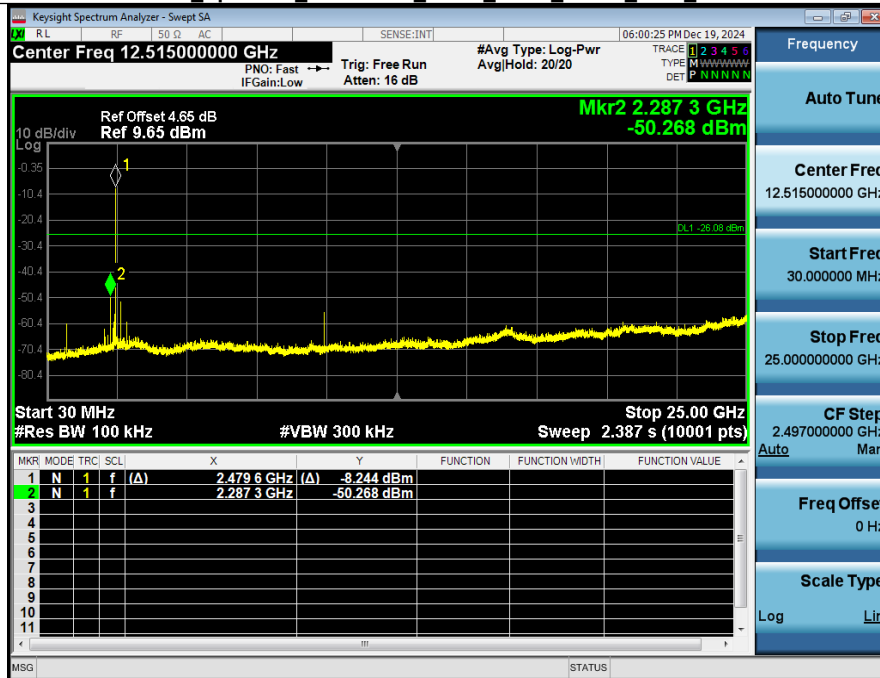
2 Spurious_Emissions_NVHT_ANT1_2-DH1_2441_00



1 Reference_Level_NVHT_ANT1_2-DH1_2480_00



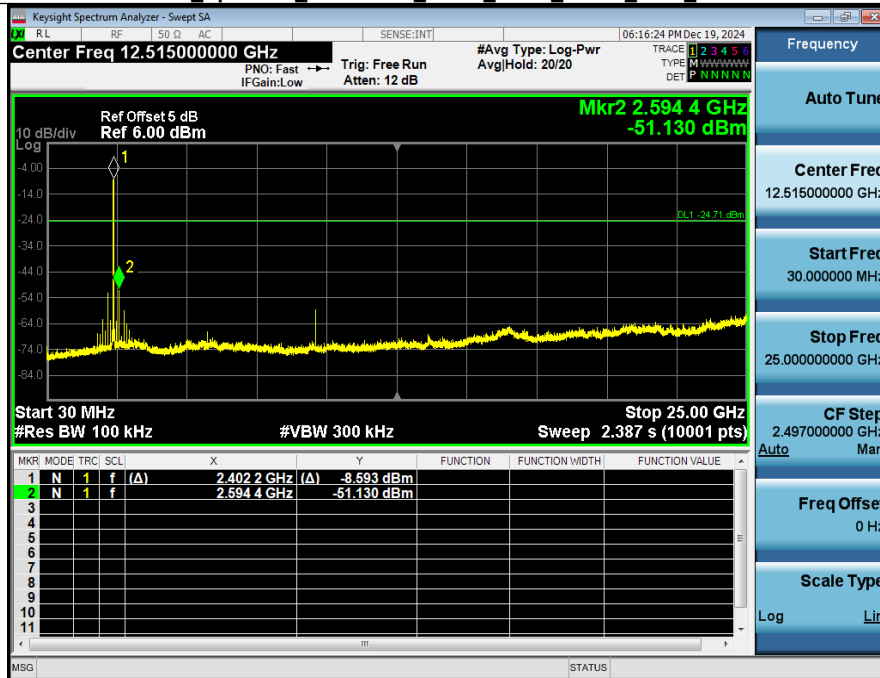
2 Spurious_Emissions_NVHT_ANT1_2-DH1_2480_00



1 Reference_Level_NVHT_ANT1_3-DH1_2402_00



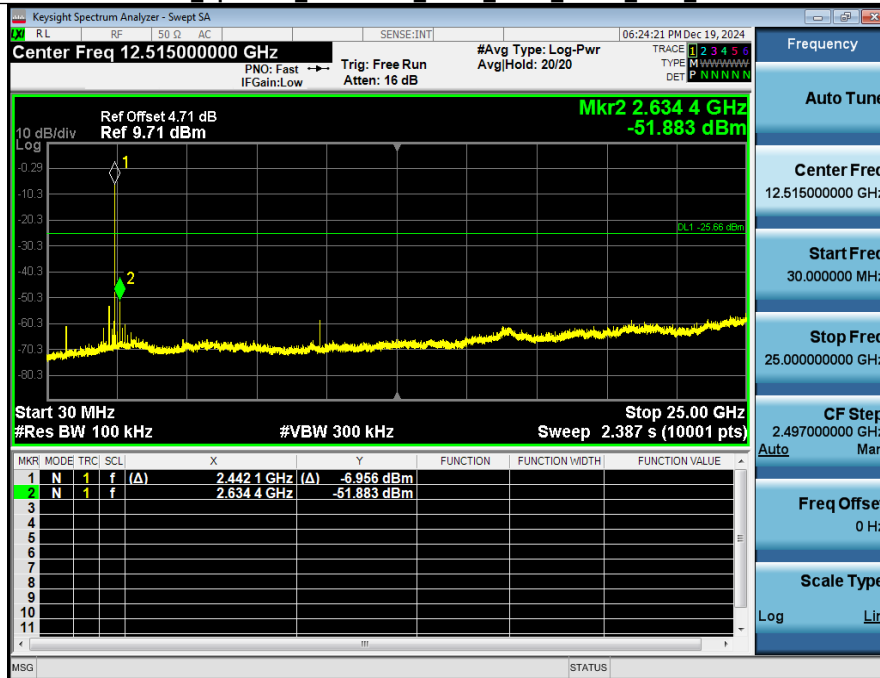
2 Spurious_Emissions_NVHT_ANT1_3-DH1_2402_00



1 Reference_Level_NVHT_ANT1_3-DH1_2441_00



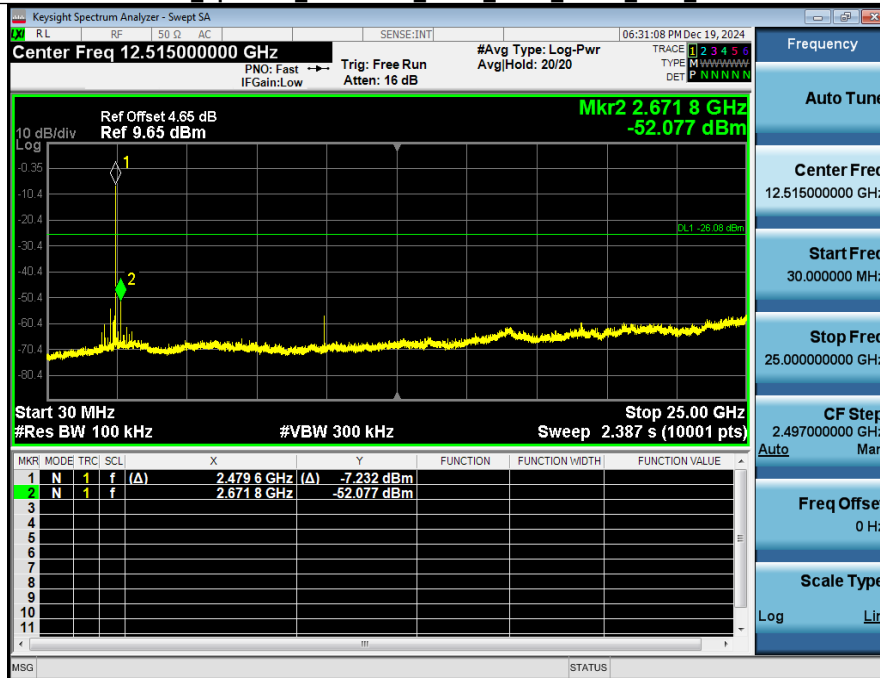
2 Spurious_Emissions_NVHT_ANT1_3-DH1_2441_00



1 Reference_Level_NVHT_ANT1_3-DH1_2480_00

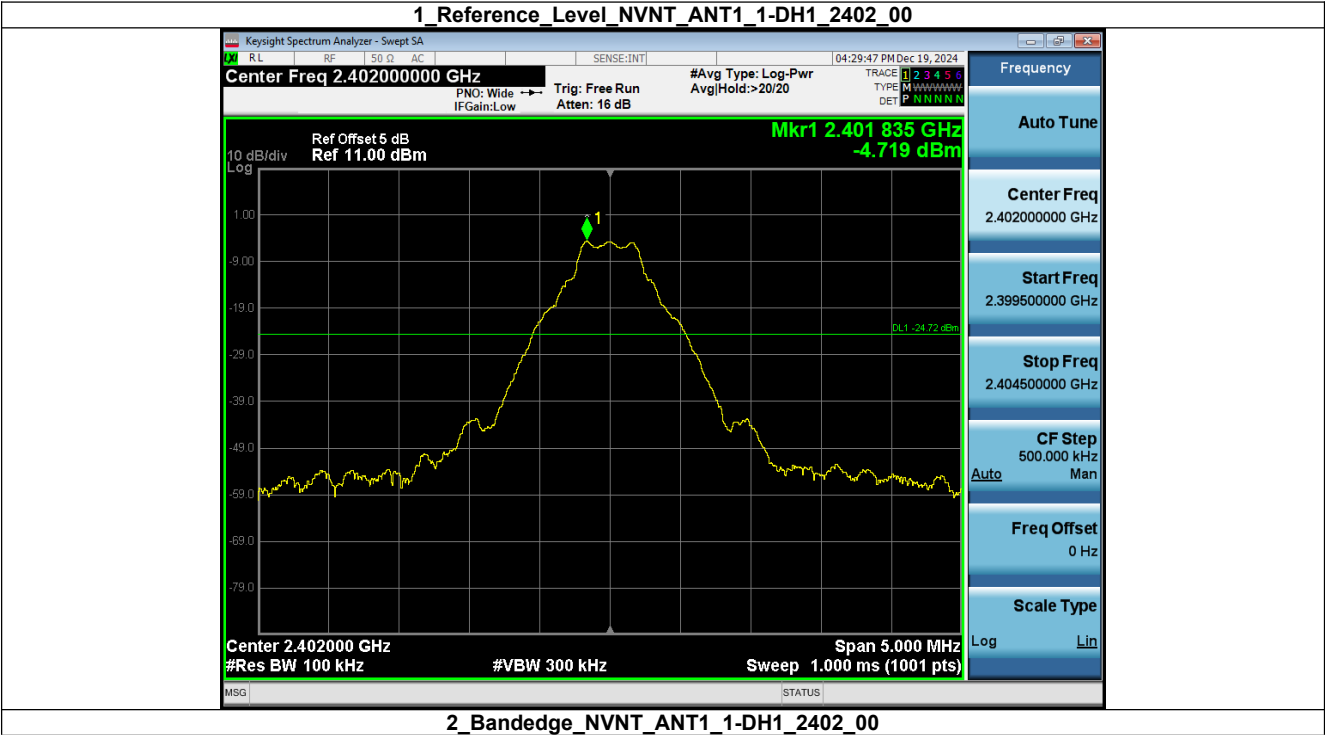


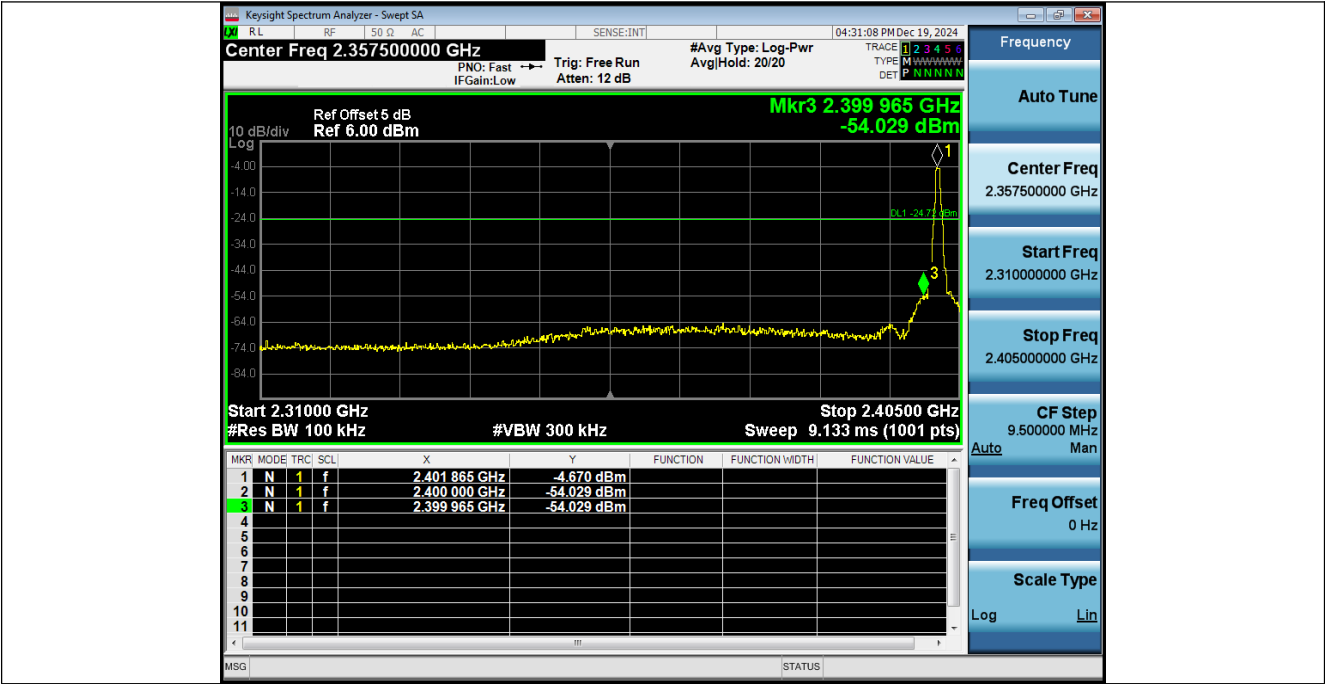
2 Spurious_Emissions_NVHT_ANT1_3-DH1_2480_00



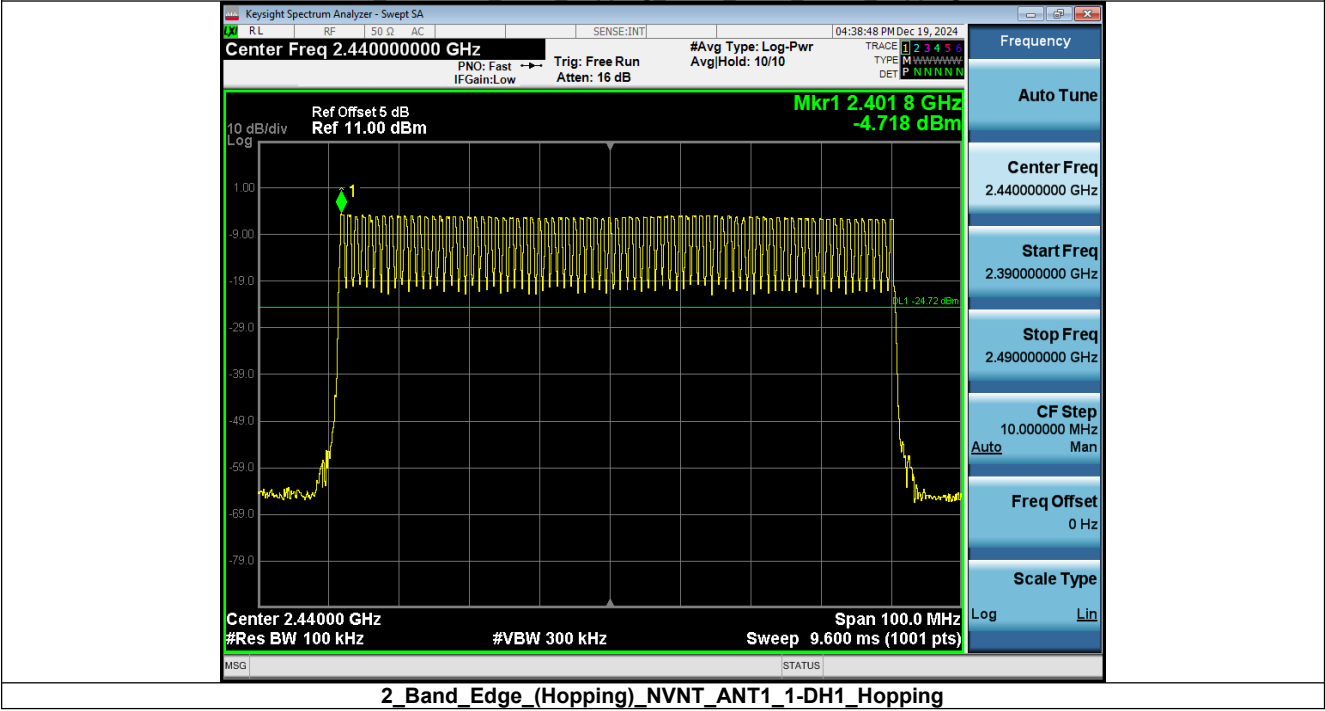
6. Bandedge

Condition	Antenna	Modulation	TX Mode	Bandedge MAX.Value	Limit	Result
NVNT	ANT1	1-DH1	2402.00	-54.029	-24.719	Pass
NVNT	ANT1	1-DH1	Hopping_LCH	-54.887	-24.718	Pass
NVNT	ANT1	1-DH1	2480.00	-63.350	-26.094	Pass
NVNT	ANT1	1-DH1	Hopping_HCH	-61.448	-24.984	Pass
NVNT	ANT1	2-DH1	2402.00	-53.698	-24.736	Pass
NVNT	ANT1	2-DH1	Hopping_LCH	-54.340	-24.697	Pass
NVHT	ANT1	2-DH1	2480.00	-65.791	-26.080	Pass
NVHT	ANT1	2-DH1	Hopping_HCH	-61.536	-25.055	Pass
NVHT	ANT1	3-DH1	2402.00	-54.528	-24.712	Pass
NVHT	ANT1	3-DH1	Hopping_LCH	-53.972	-24.668	Pass
NVHT	ANT1	3-DH1	2480.00	-65.705	-26.082	Pass
NVHT	ANT1	3-DH1	Hopping_HCH	-61.908	-25.058	Pass

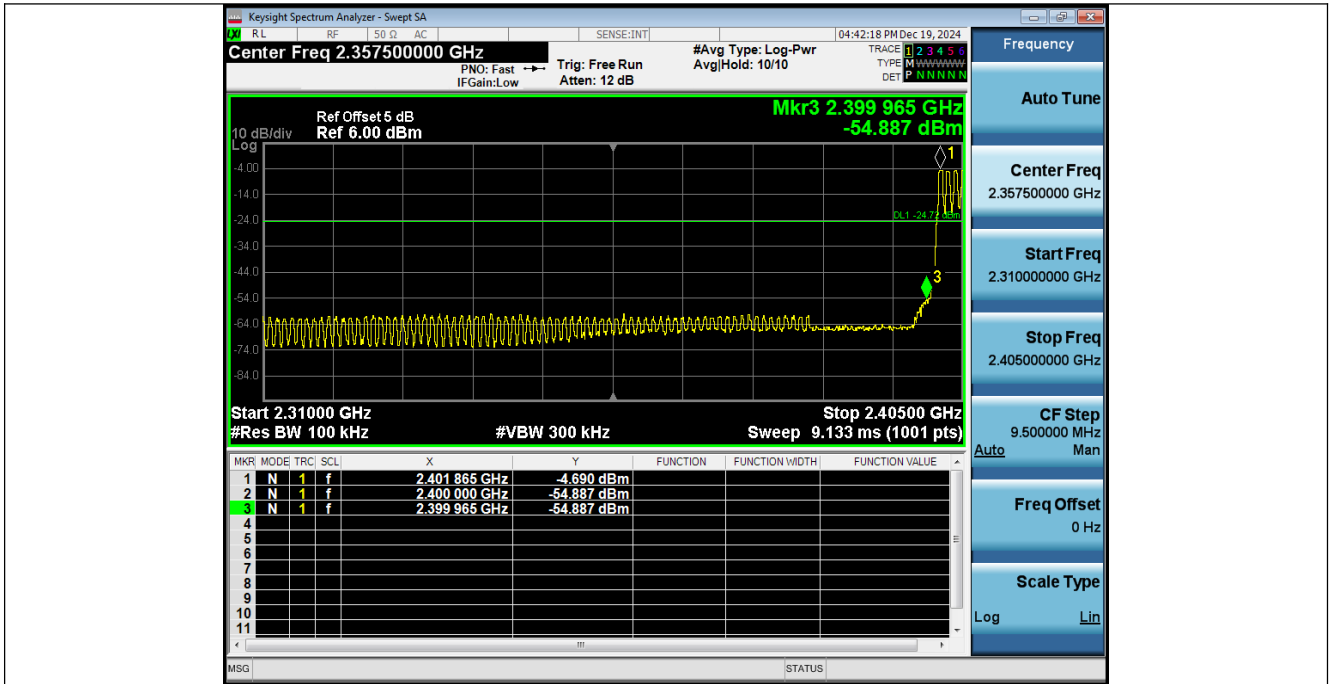




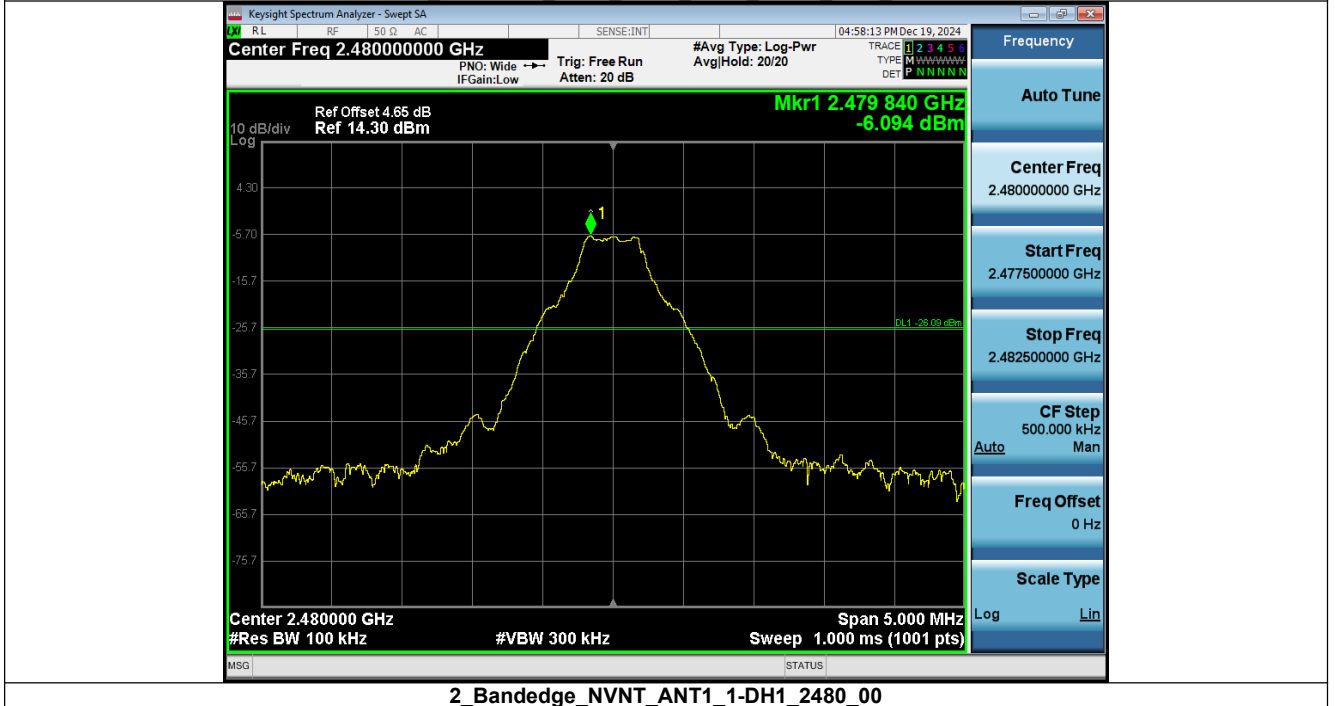
1 Reference_Level_Hopping_NVNT_ANT1_1-DH1_Hopping



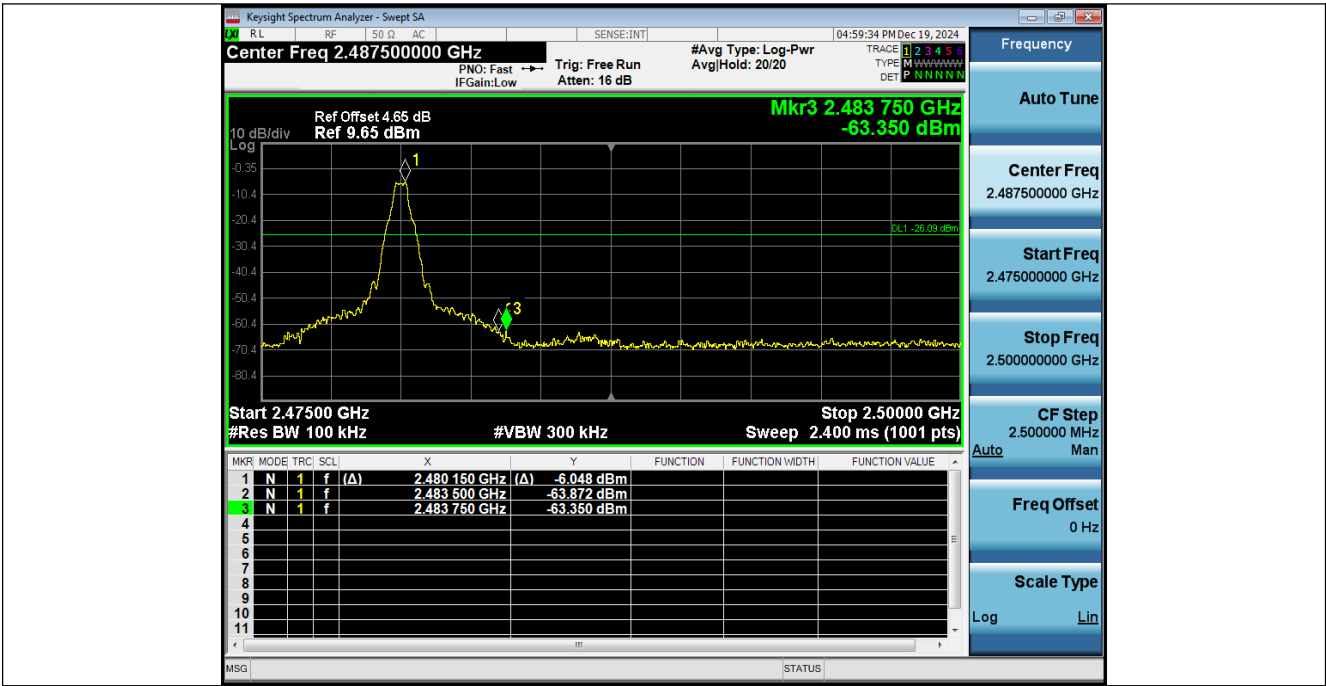
2_Band_Edge_(Hopping)_NVNT_ANT1_1-DH1_Hopping



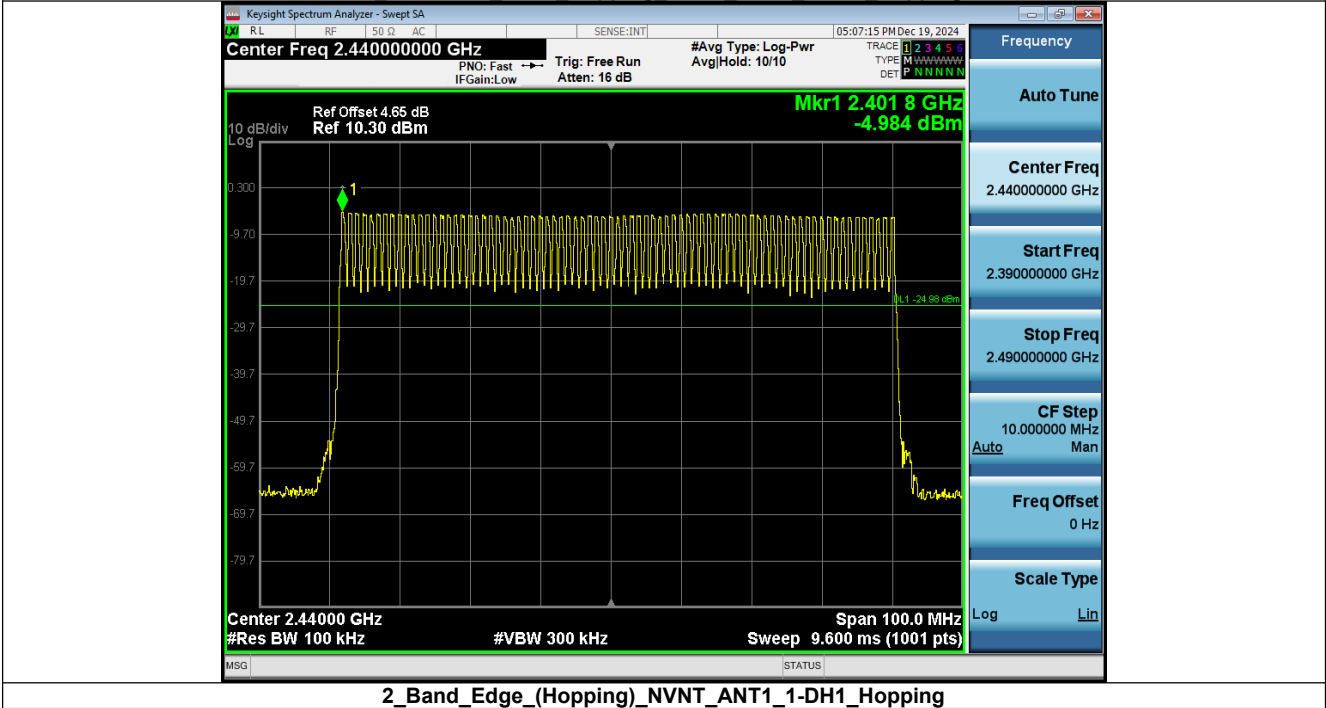
1_Reference_Level_NVNT_ANT1_1-DH1_2480_00



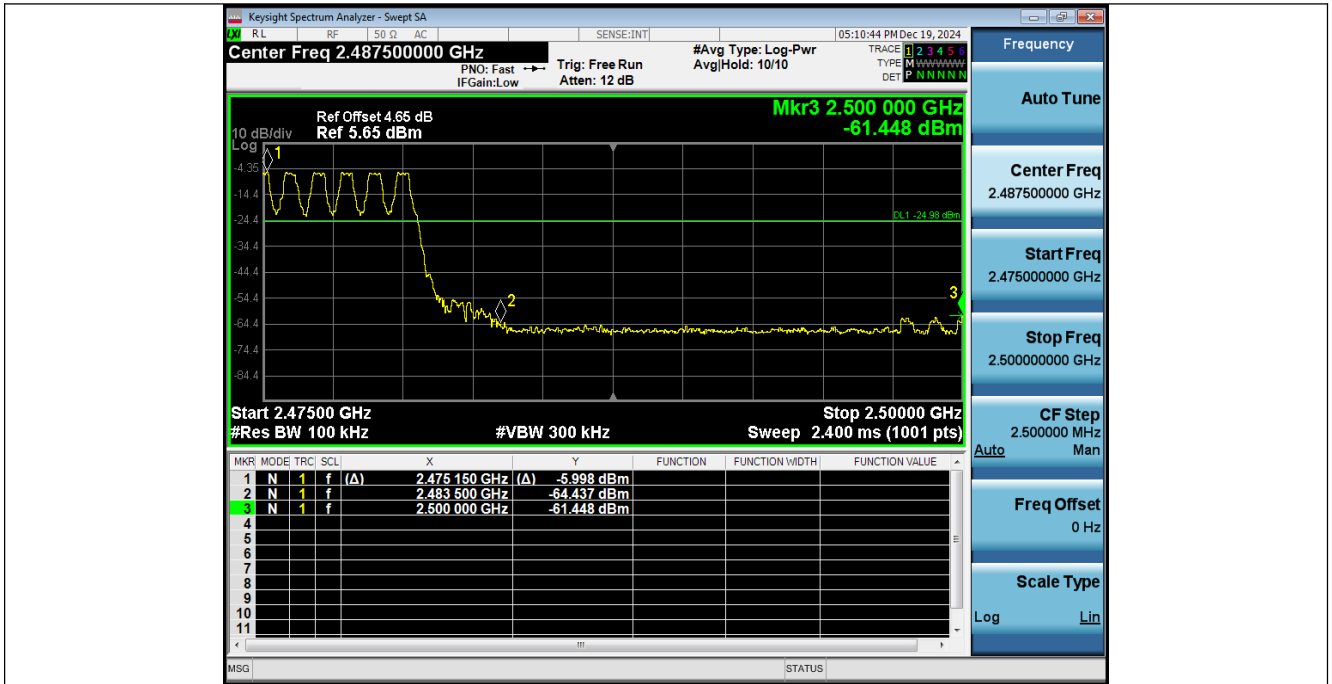
2_Bandedge_NVNT_ANT1_1-DH1_2480_00



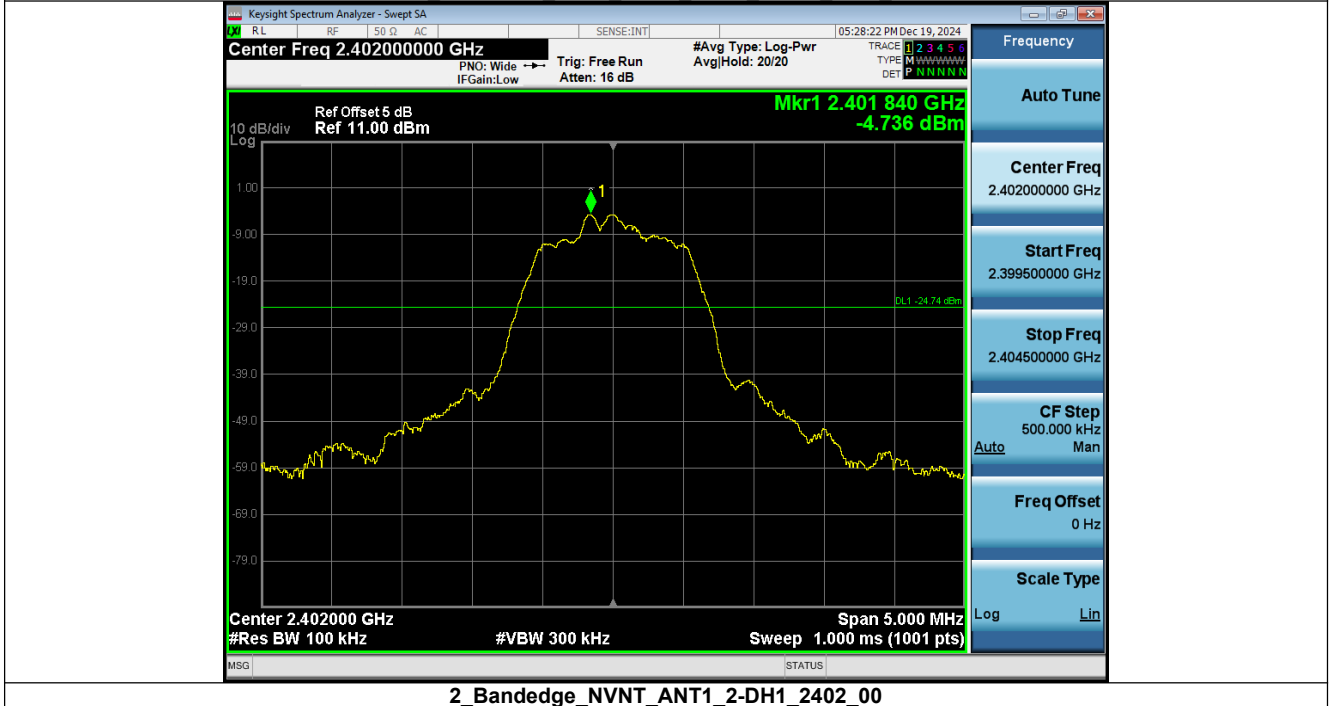
1 Reference_Level_Hopping_NVNT_ANT1_1-DH1_Hopping



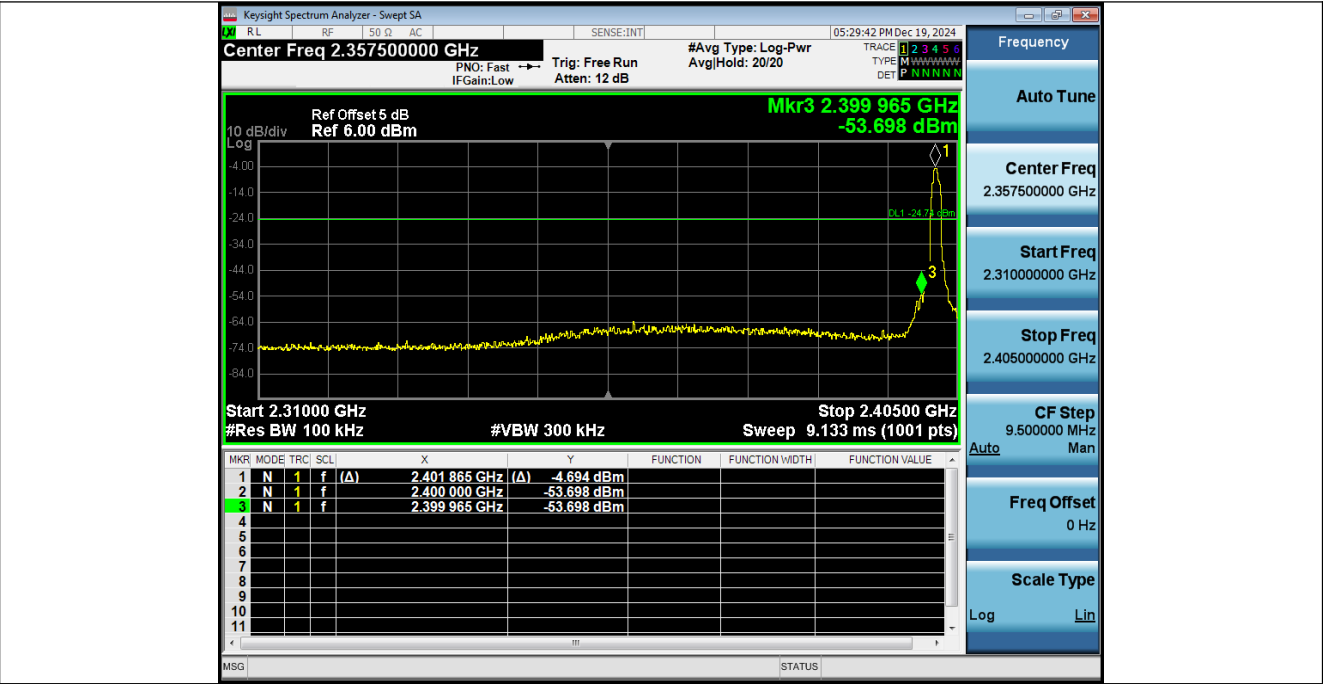
2_Band_Edge_(Hopping)_NVNT_ANT1_1-DH1_Hopping



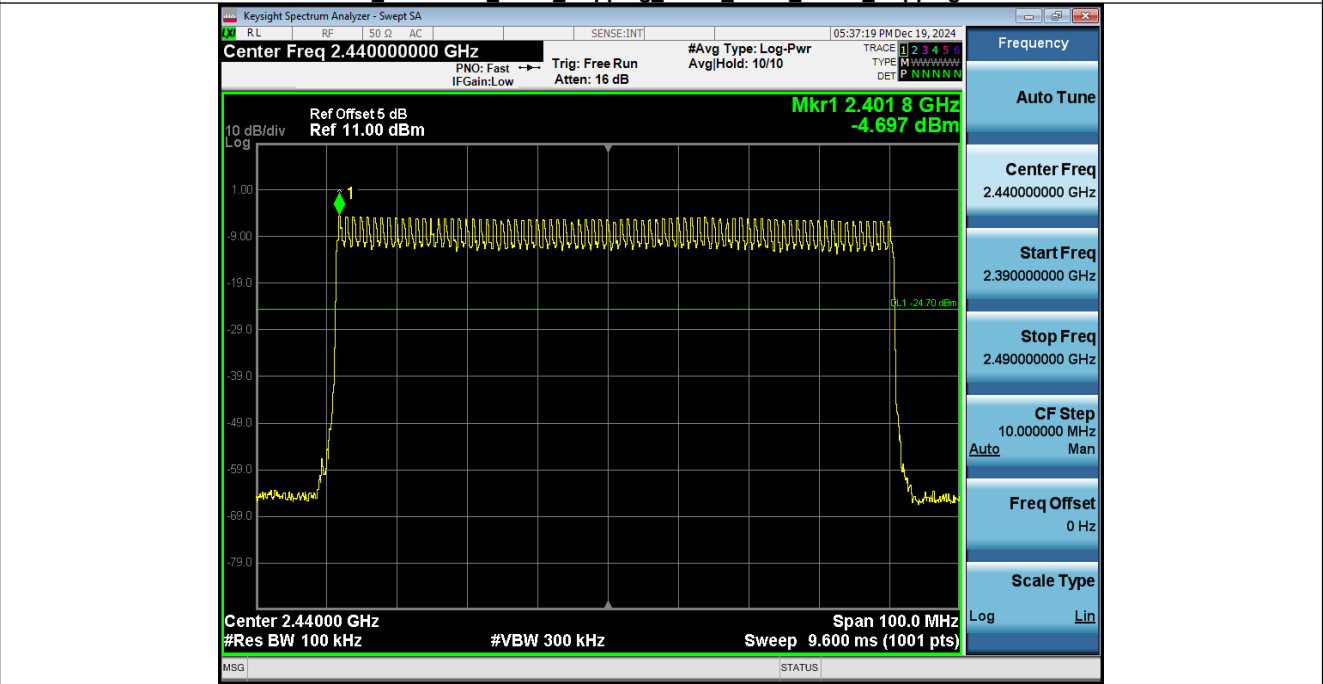
1_Reference_Level_NVNT_ANT1_2-DH1_2402_00



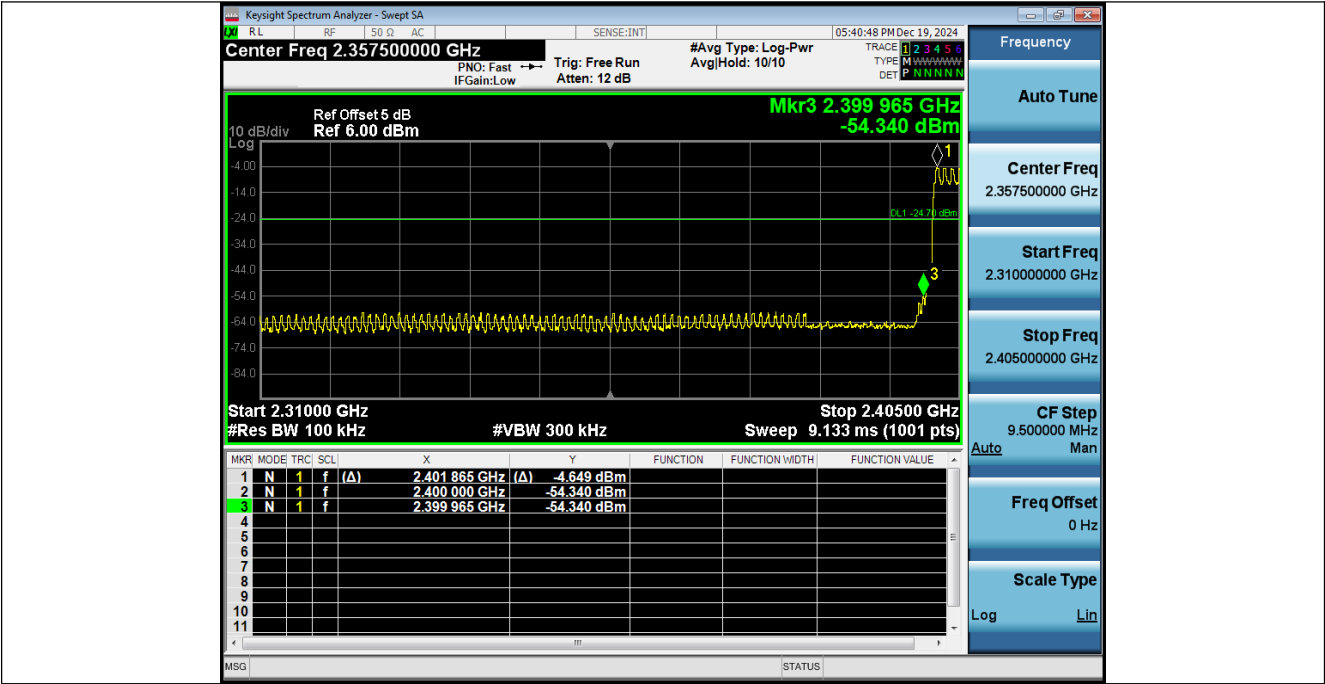
2_Bandedge_NVNT_ANT1_2-DH1_2402_00



1 Reference_Level_Hopping_NVNT_ANT1_2-DH1_Hopping



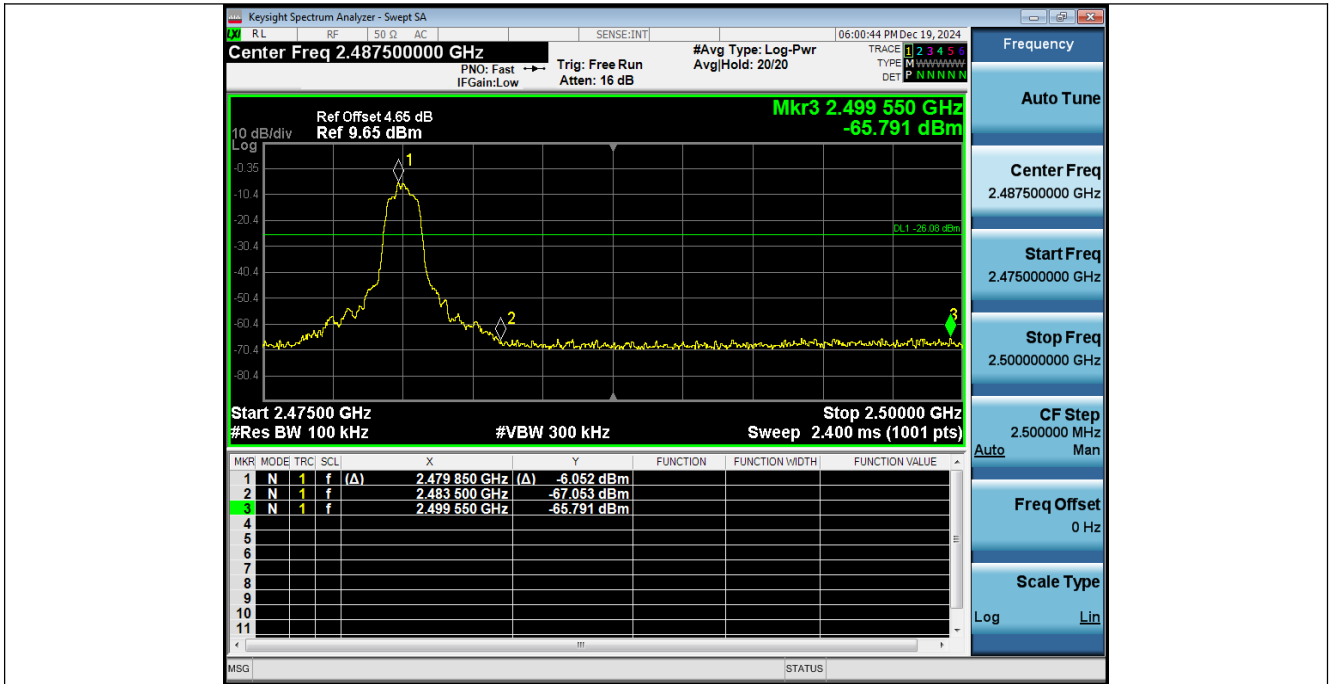
2_Band_Edge_(Hopping)_NVNT_ANT1_2-DH1_Hopping



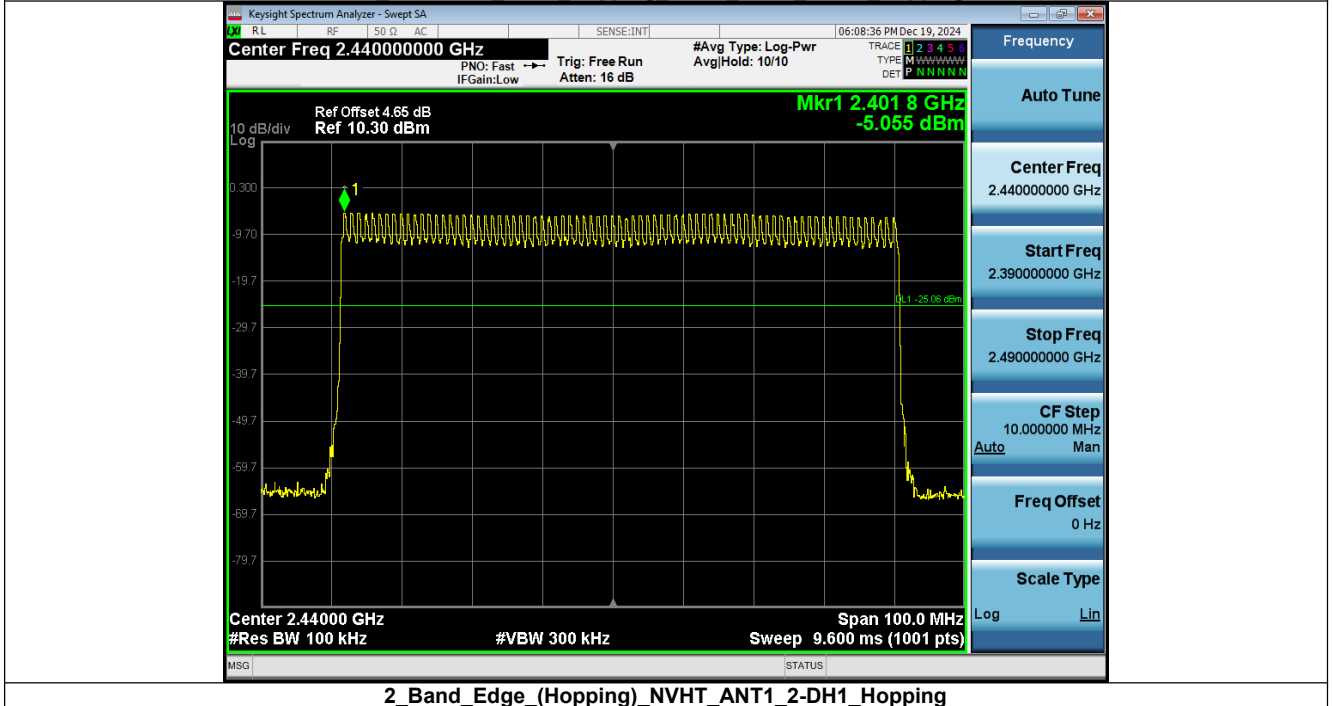
1 Reference Level NVHT ANT1 2-DH1 2480 00

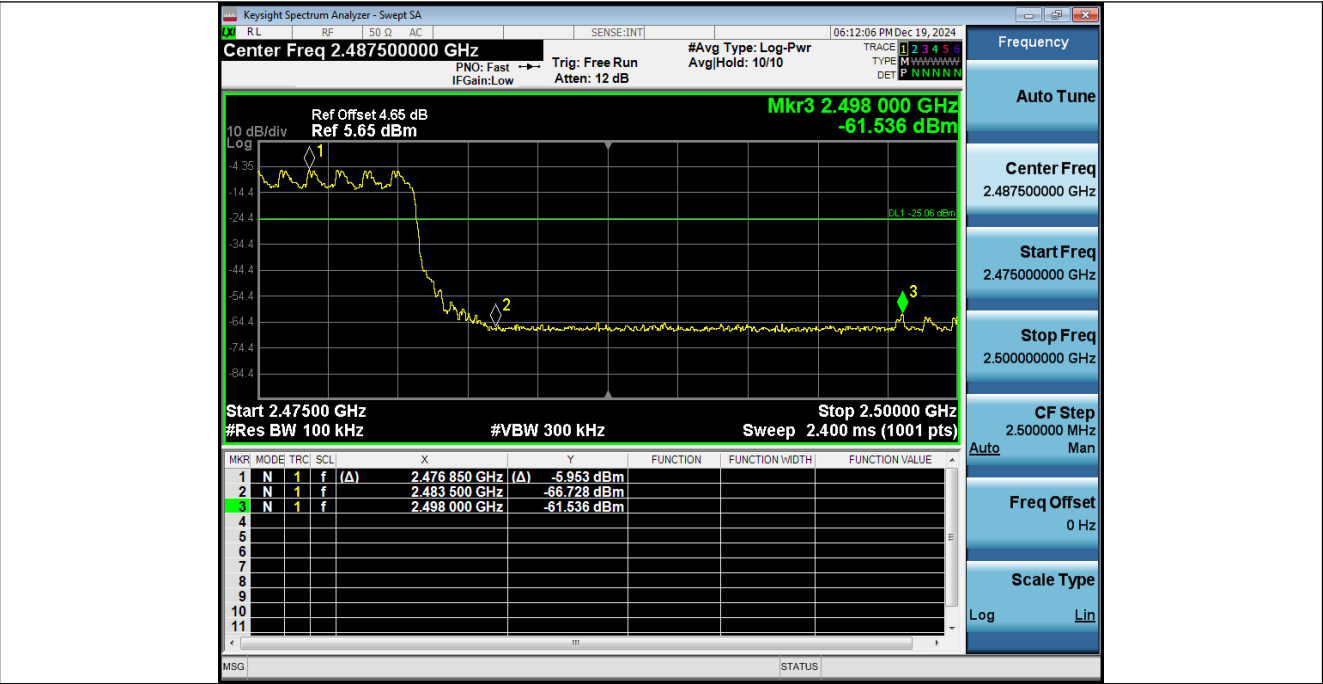


2 Bandedge NVHT ANT1 2-DH1 2480 00



1 Reference_Level_Hopping_NVHT_ANT1_2-DH1_Hopping

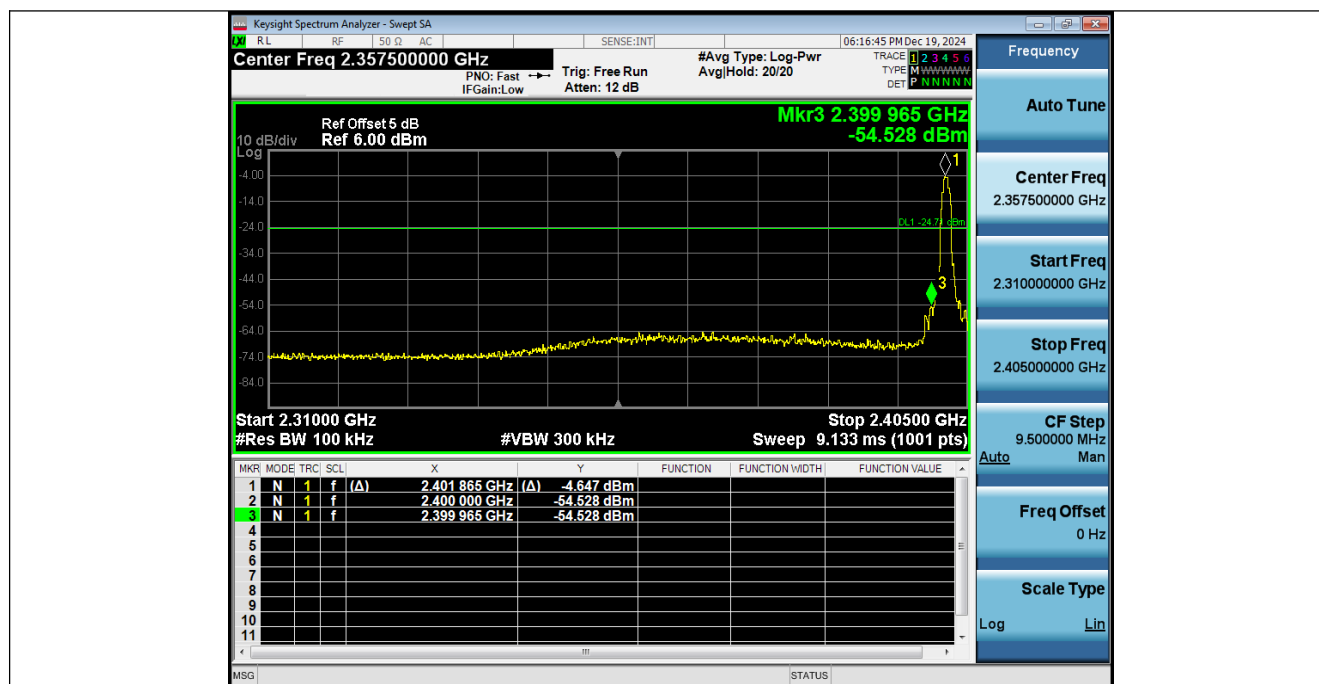




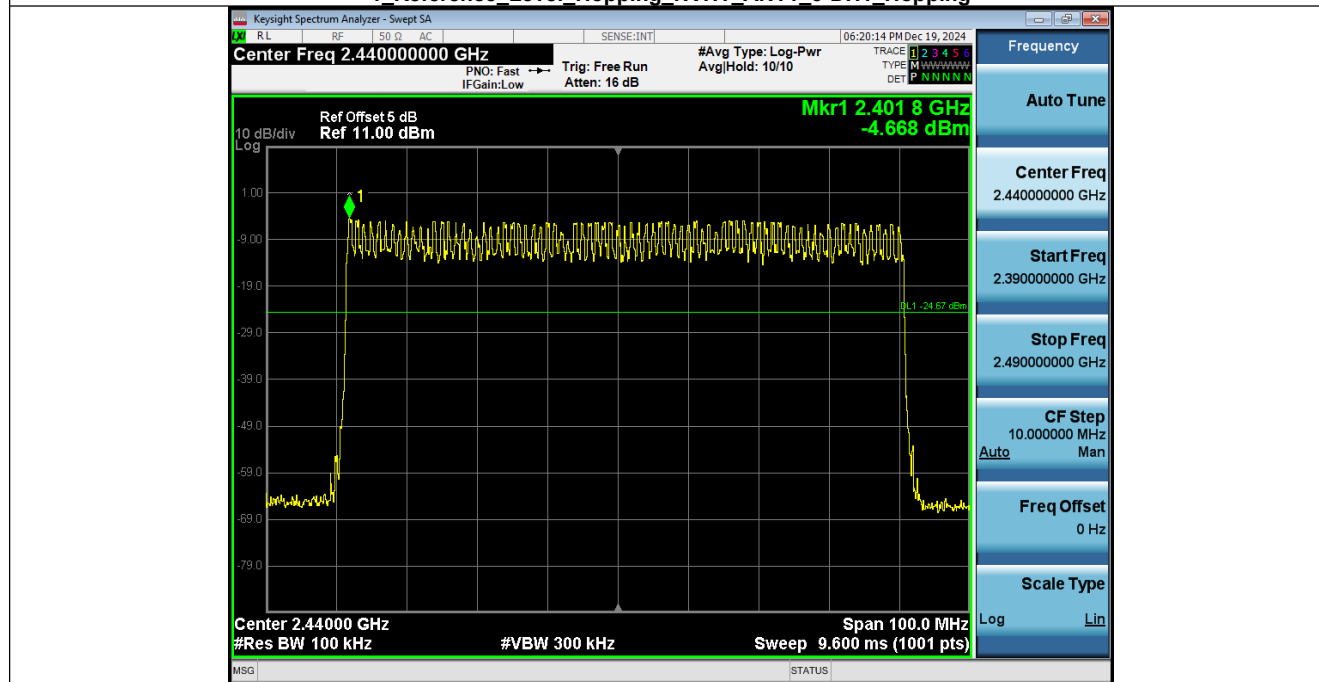
1 Reference Level NVHT ANT1 3-DH1 2402 00



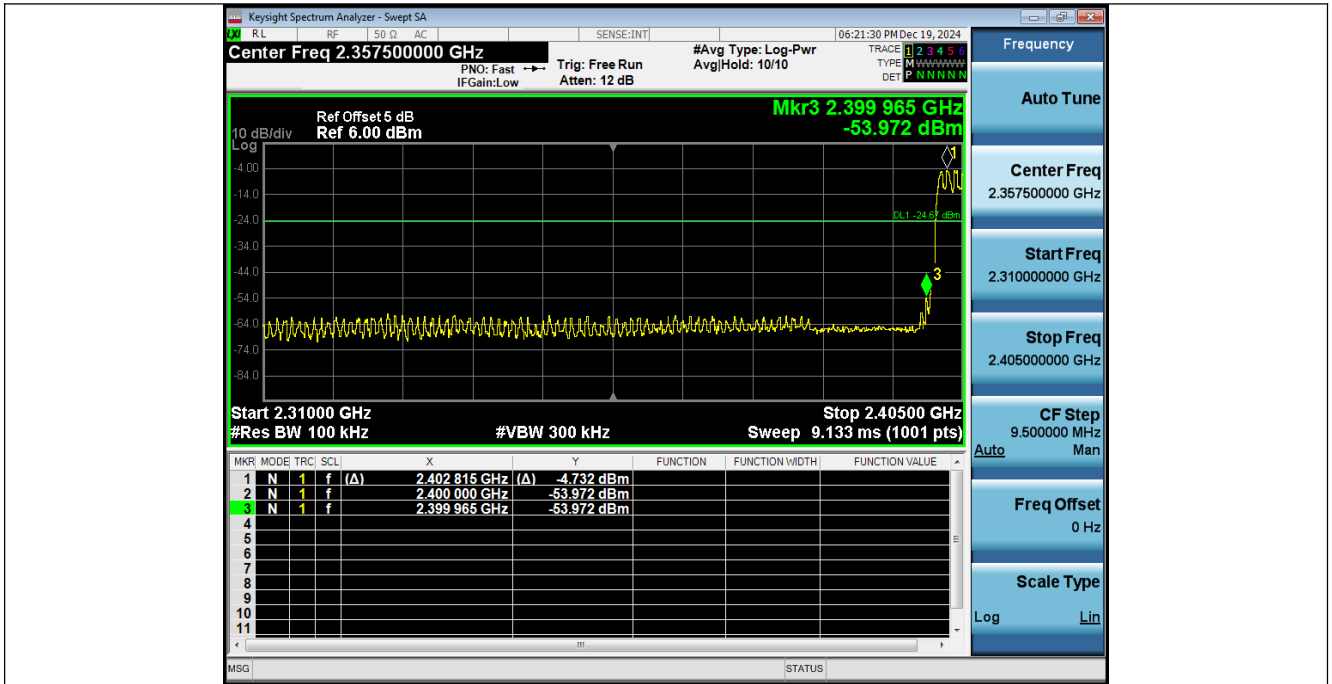
2 Bandedge NVHT ANT1 3-DH1 2402 00



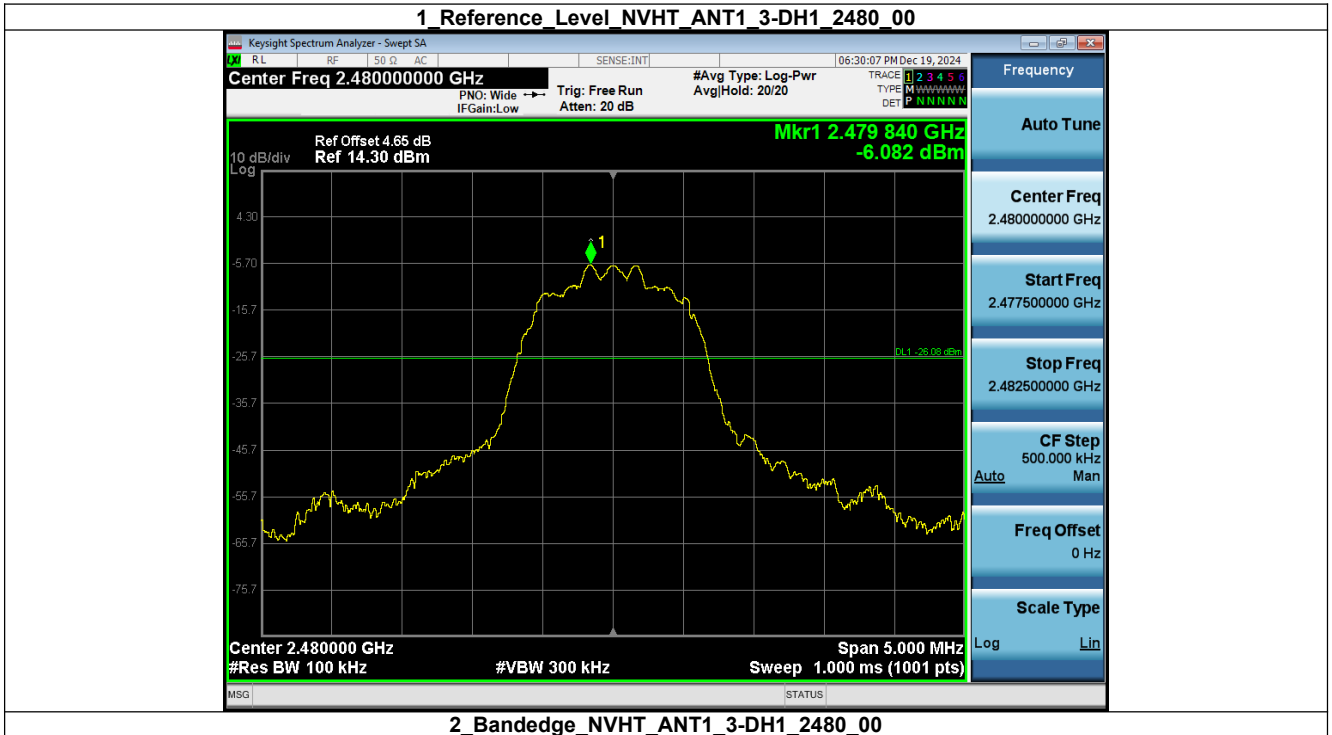
1 Reference_Level_Hopping_NVHT_ANT1_3-DH1_Hopping



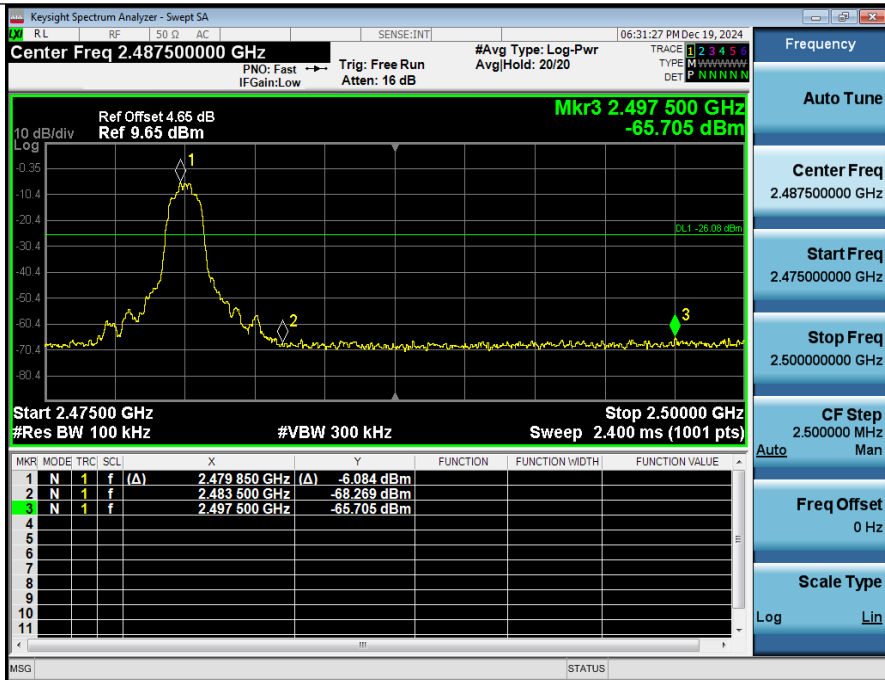
2_Band_Edge_(Hopping)_NVHT_ANT1_3-DH1_Hopping



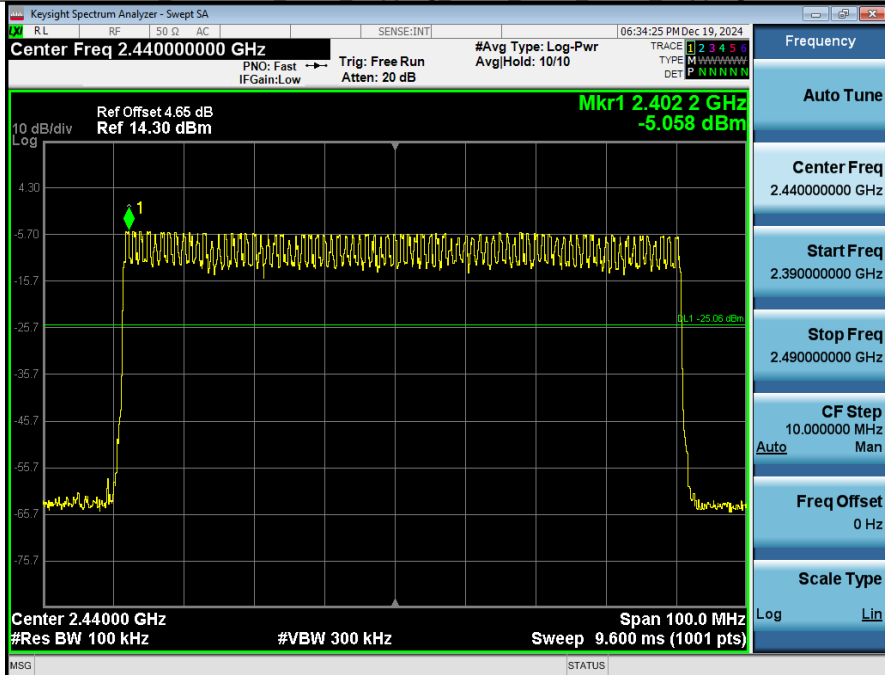
1_Reference_Level_NVHT_ANT1_3-DH1_2480_00



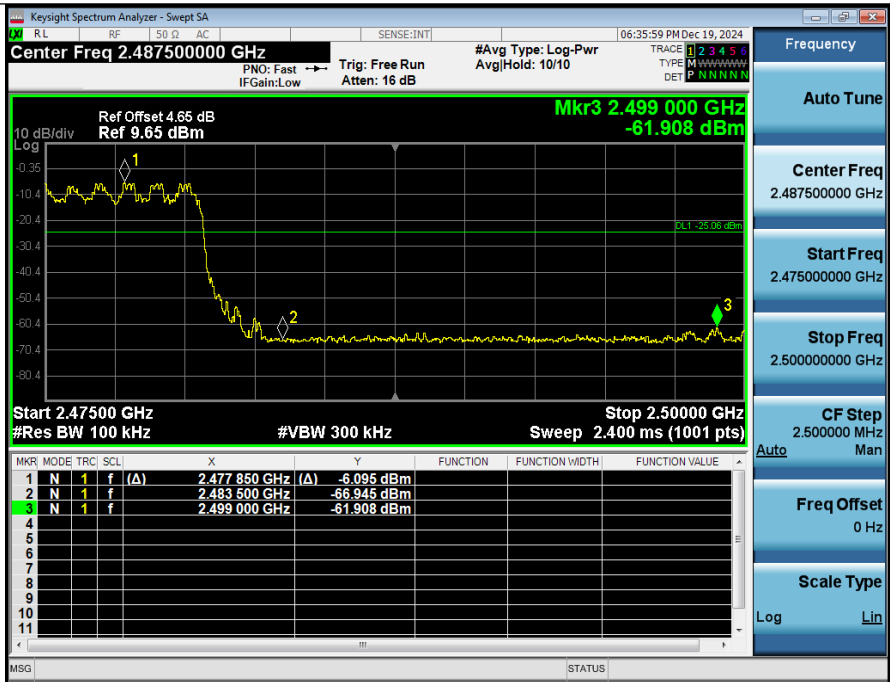
2_Bandedge_NVHT_ANT1_3-DH1_2480_00



1 Reference_Level_Hopping_NVHT_ANT1_3-DH1_Hopping

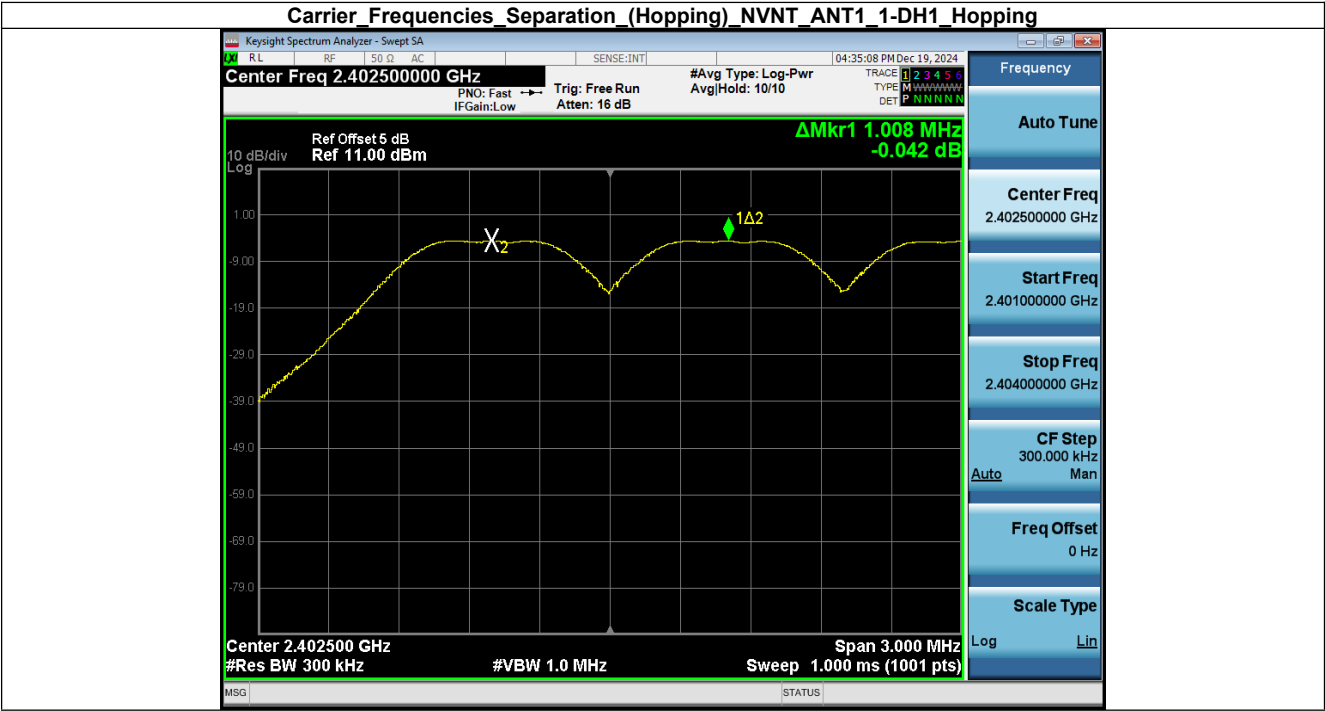


2_Band_Edge_(Hopping)_NVHT_ANT1_3-DH1_Hopping

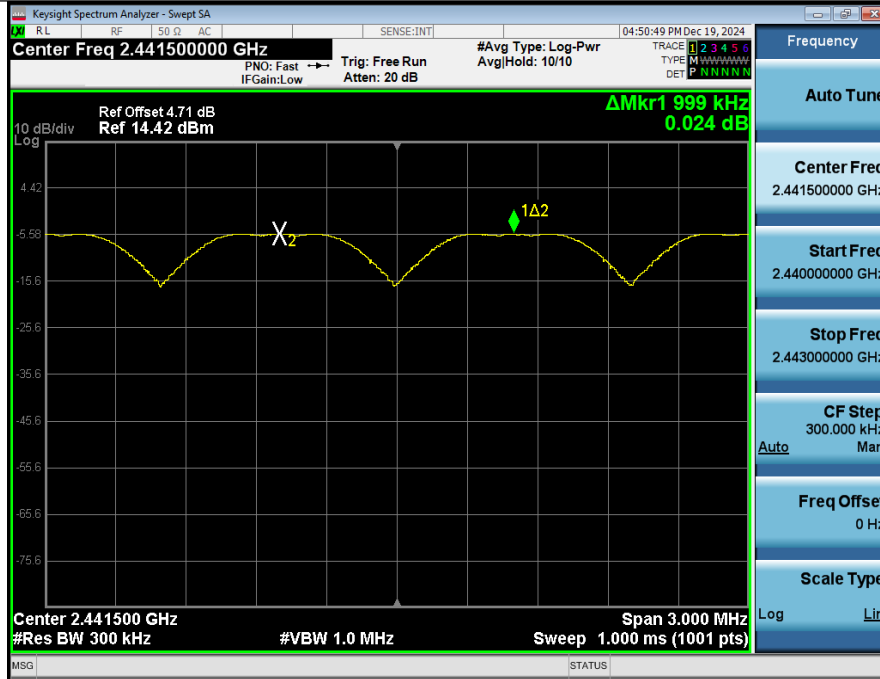


7. Carrier Frequencies Separation (Hopping)

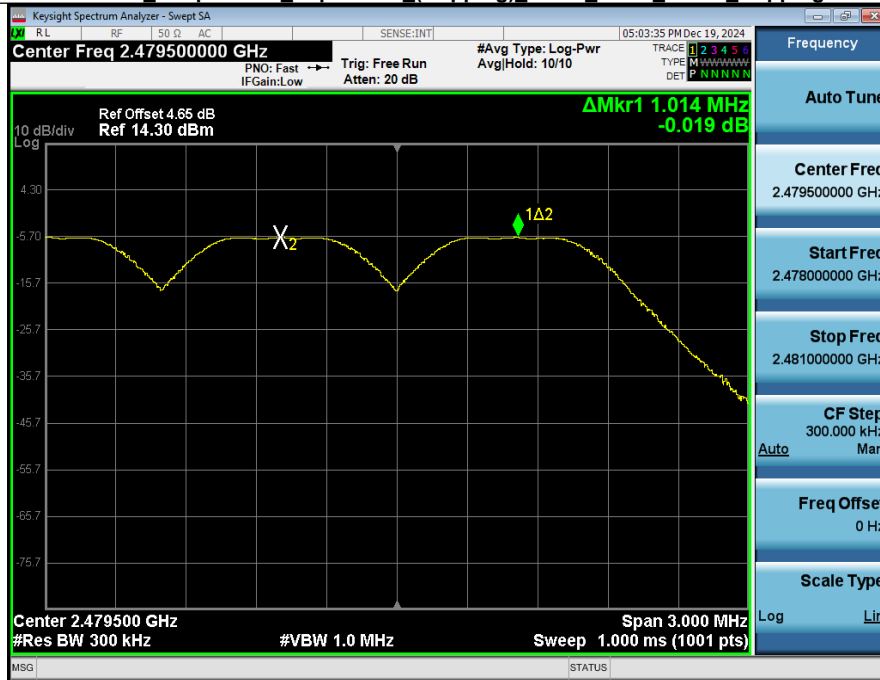
Condition	Antenna	Modulation	Frequency(MHz)	Hopping NO.0 (MHz)	Hopping NO.1 (MHz)	Carrier Frequencies Separation(MHz)	Limit(MHz)	Result
NVNT	ANT1	1-DH1	2402.00	2401.996	2403.004	1.01	0.941	Pass
NVNT	ANT1	1-DH1	2441.00	2440.999	2441.998	1.00	0.981	Pass
NVNT	ANT1	1-DH1	2480.00	2479.002	2480.016	1.01	0.928	Pass
NVNT	ANT1	2-DH1	2402.00	2401.993	2402.998	1.00	0.851	Pass
NVHT	ANT1	2-DH1	2441.00	2440.999	2442.016	1.02	0.851	Pass
NVHT	ANT1	2-DH1	2480.00	2479.026	2480.010	0.98	0.845	Pass
NVHT	ANT1	3-DH1	2402.00	2401.990	2403.001	1.01	0.813	Pass
NVHT	ANT1	3-DH1	2441.00	2441.008	2441.989	0.98	0.815	Pass
NVHT	ANT1	3-DH1	2480.00	2479.008	2479.998	0.99	0.817	Pass



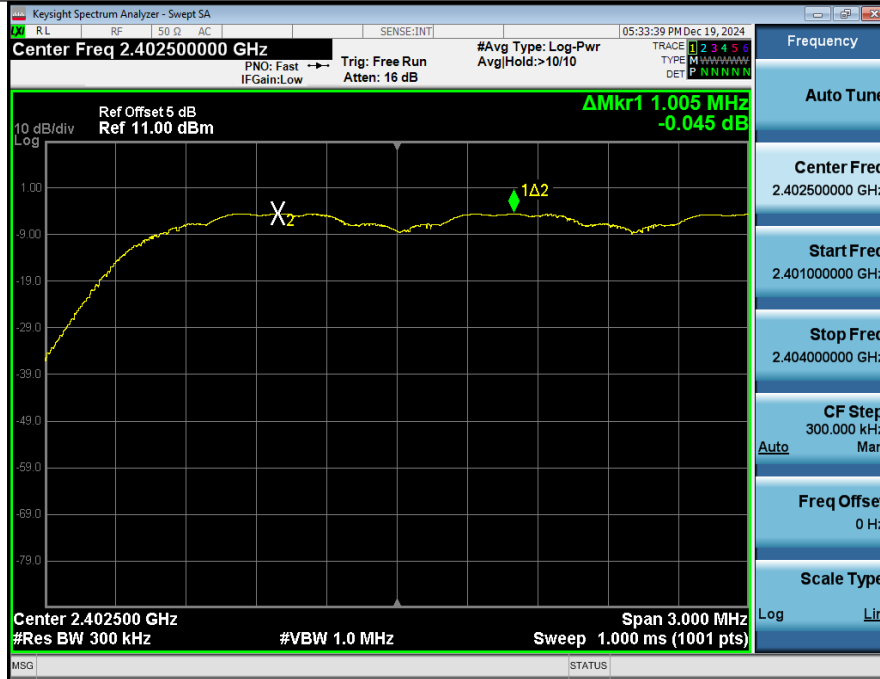
Carrier_Frequencies_Separation_(Hopping)_NVNT_ANT1_1-DH1_Hopping



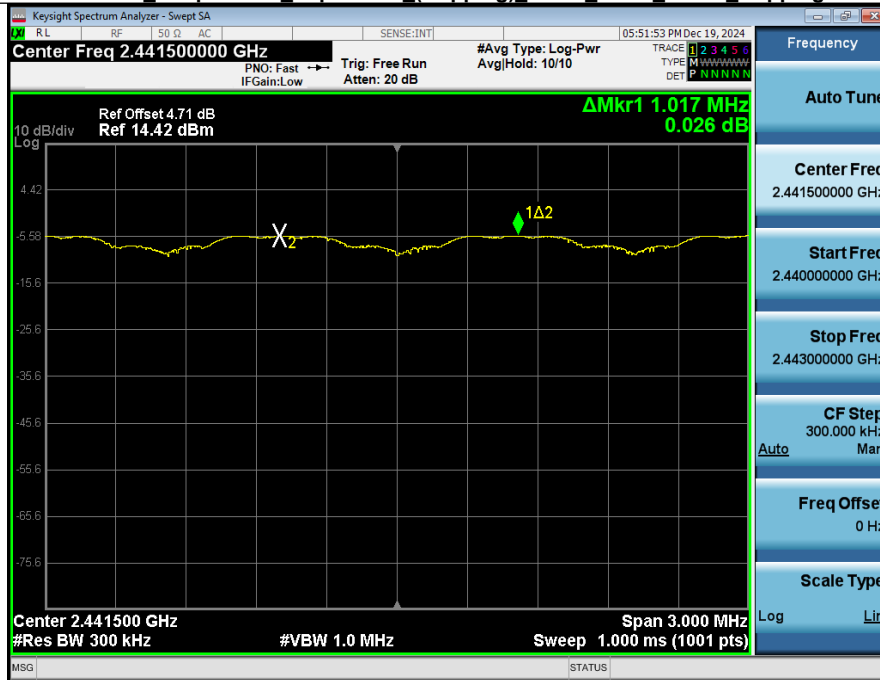
Carrier_Frequencies_Separation_(Hopping)_NVNT_ANT1_1-DH1_Hopping



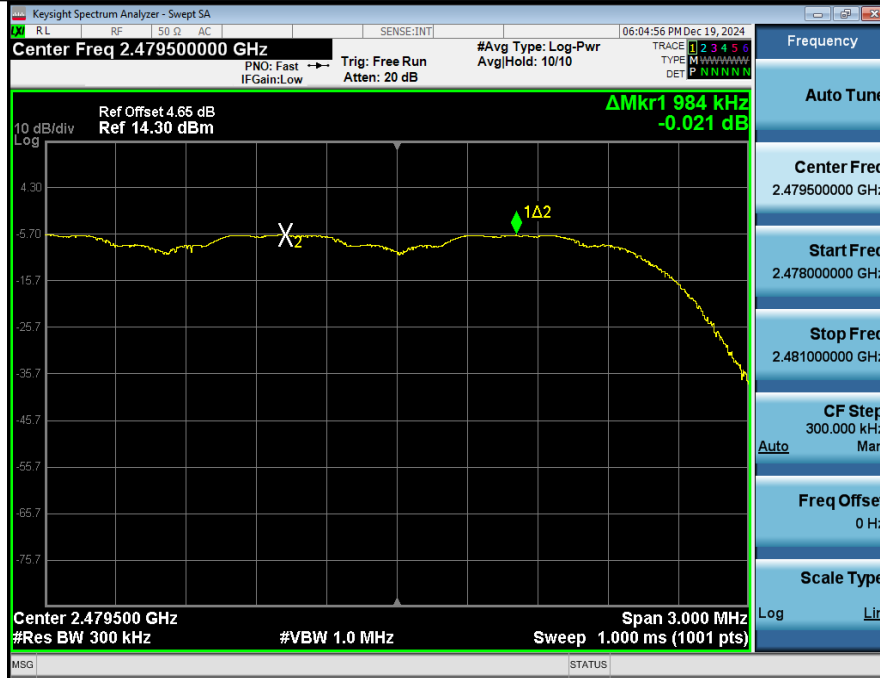
Carrier_Frequencies_Separation_(Hopping)_NVNT_ANT1_2-DH1_Hopping



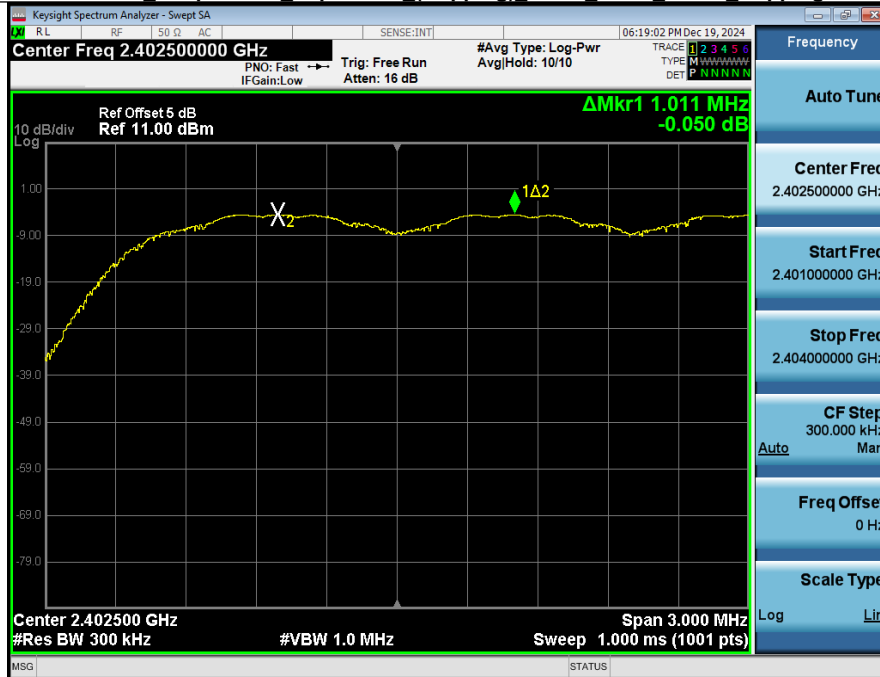
Carrier_Frequencies_Separation_(Hopping)_NVHT_ANT1_2-DH1_Hopping



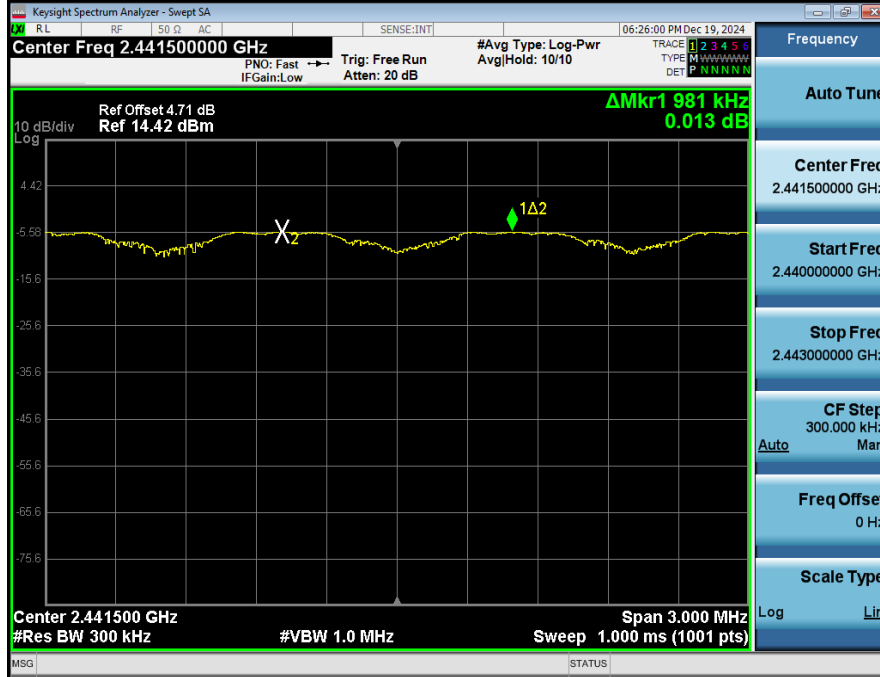
Carrier Frequencies Separation (Hopping) NVHT_ANT1 2-DH1 Hopping



Carrier Frequencies Separation (Hopping) NVHT_ANT1 3-DH1 Hopping



Carrier_Frequencies_Separation_(Hopping)_NVHT_ANT1_3-DH1_Hopping

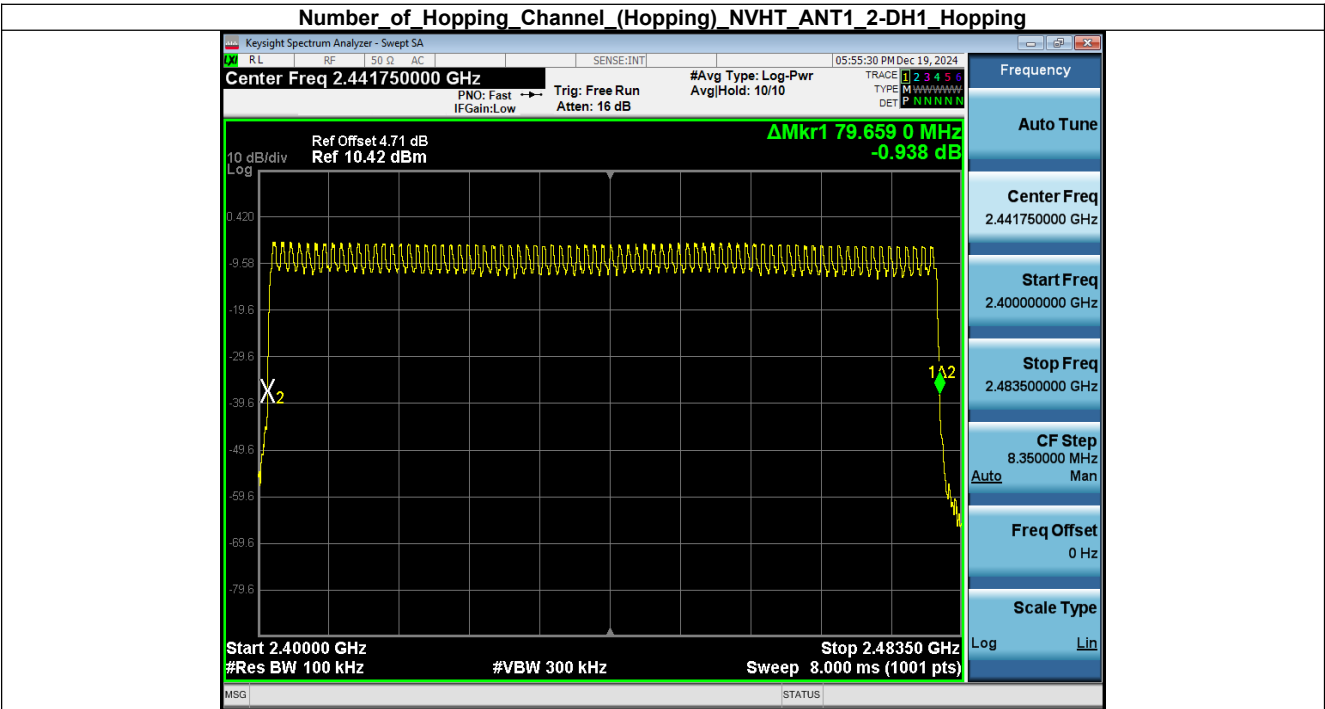
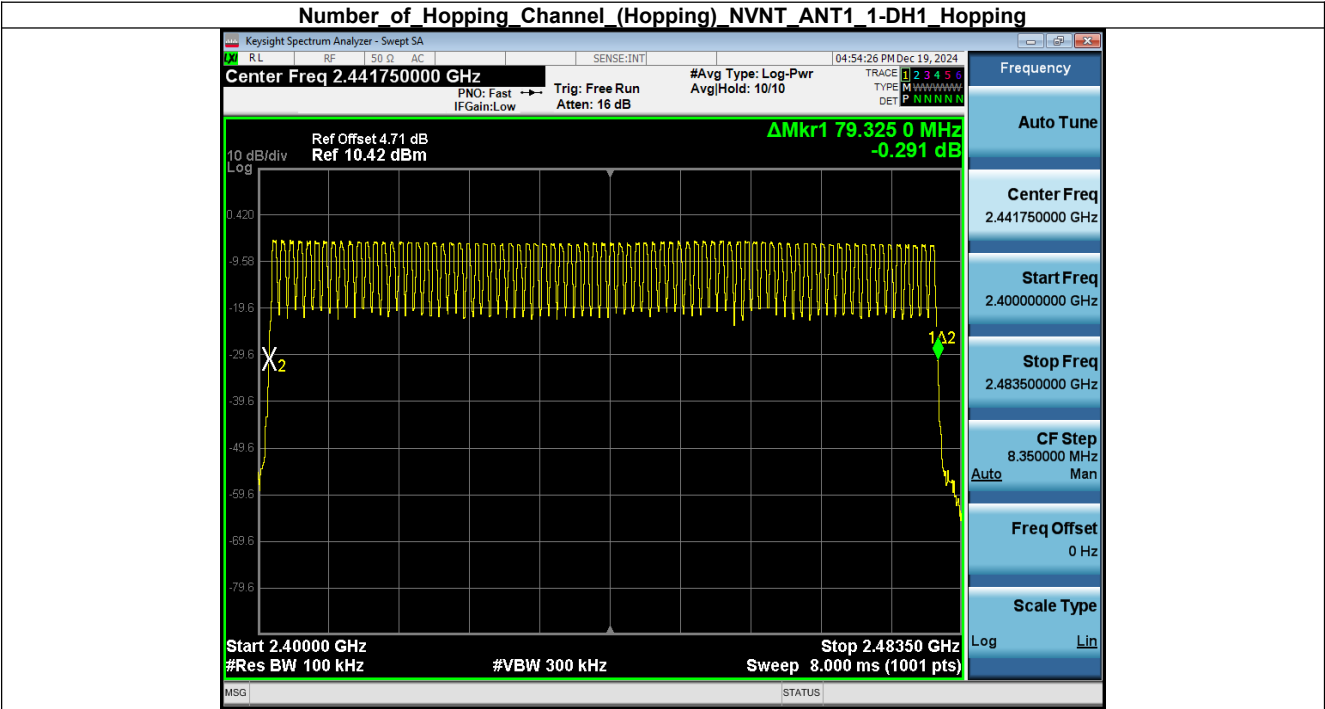


Carrier_Frequencies_Separation_(Hopping)_NVHT_ANT1_3-DH1_Hopping

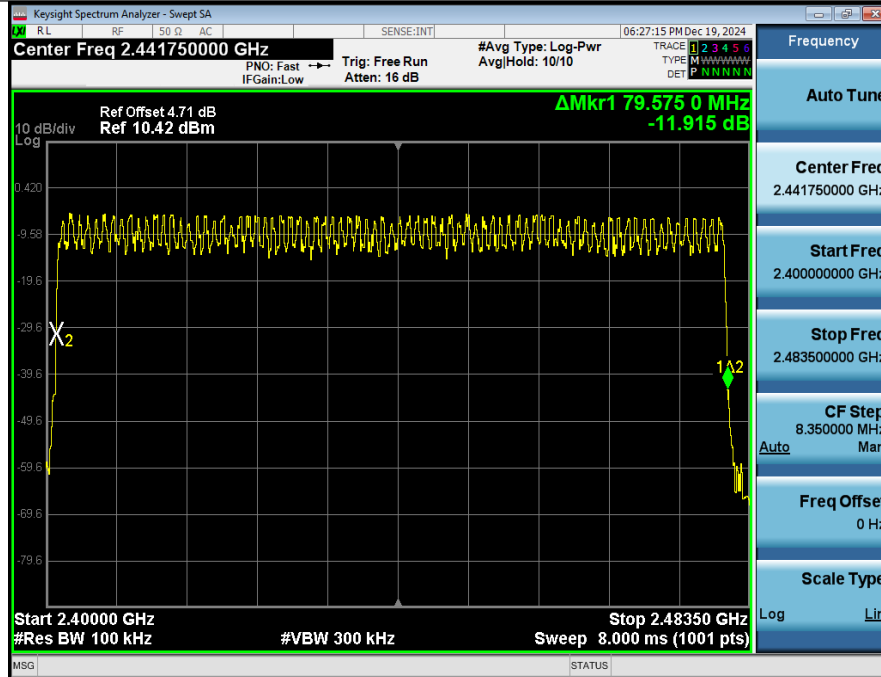


8. Number of Hopping Channel (Hopping)

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

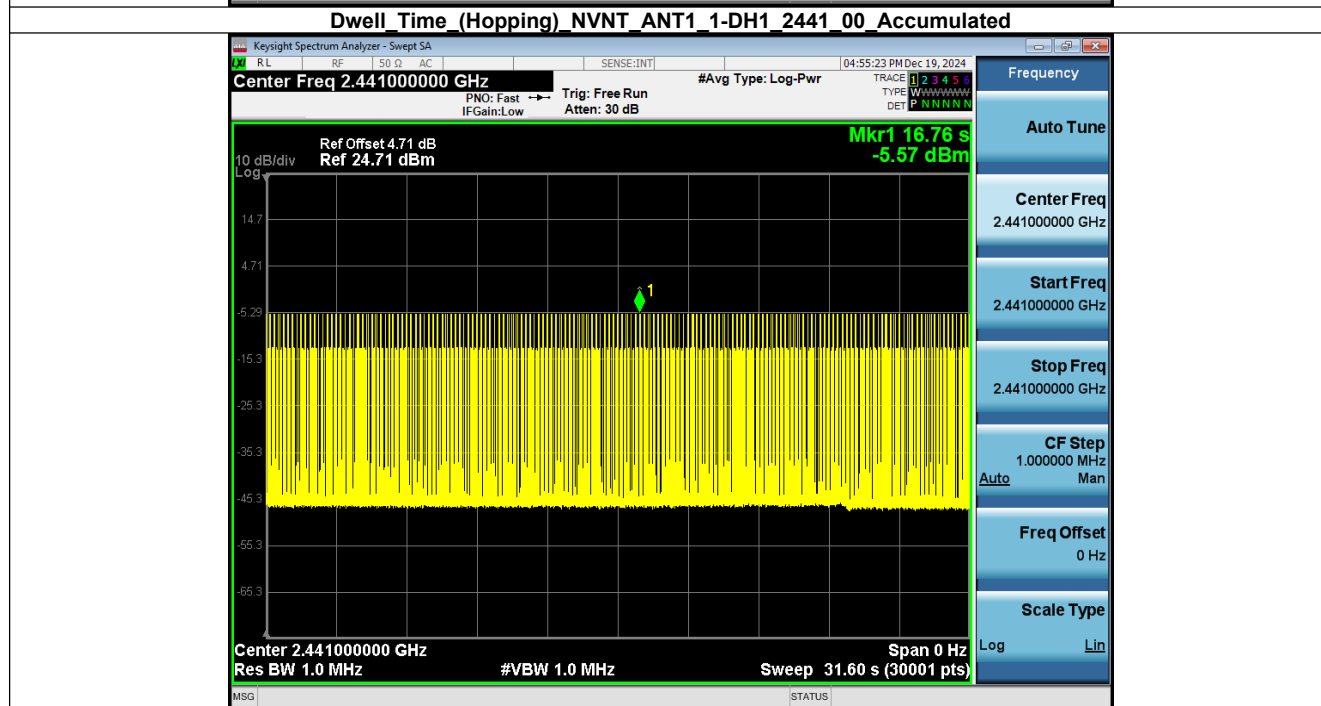
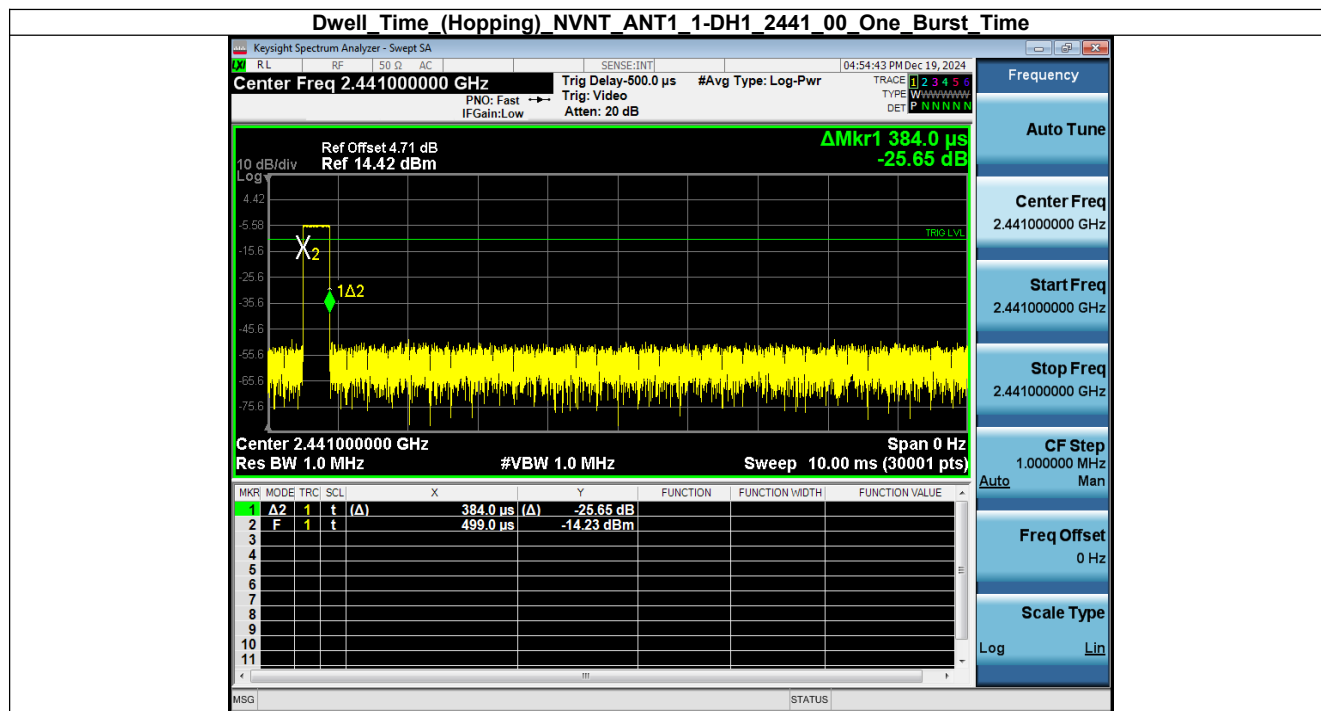


Number_of_Hopping_Channel_(Hopping)_NVHT_ANT1_3-DH1_Hopping

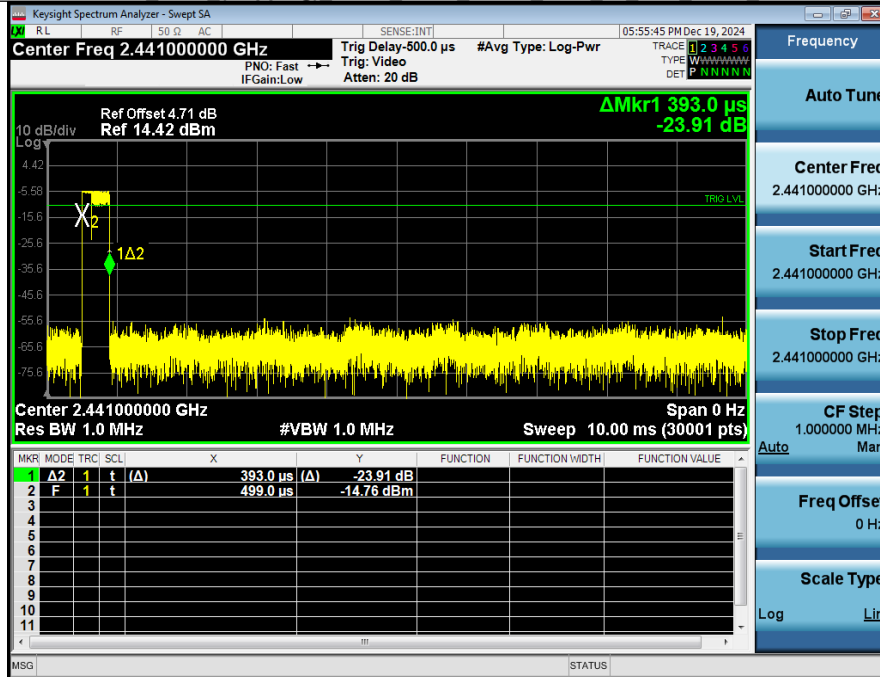


9. Dwell Time (Hopping)

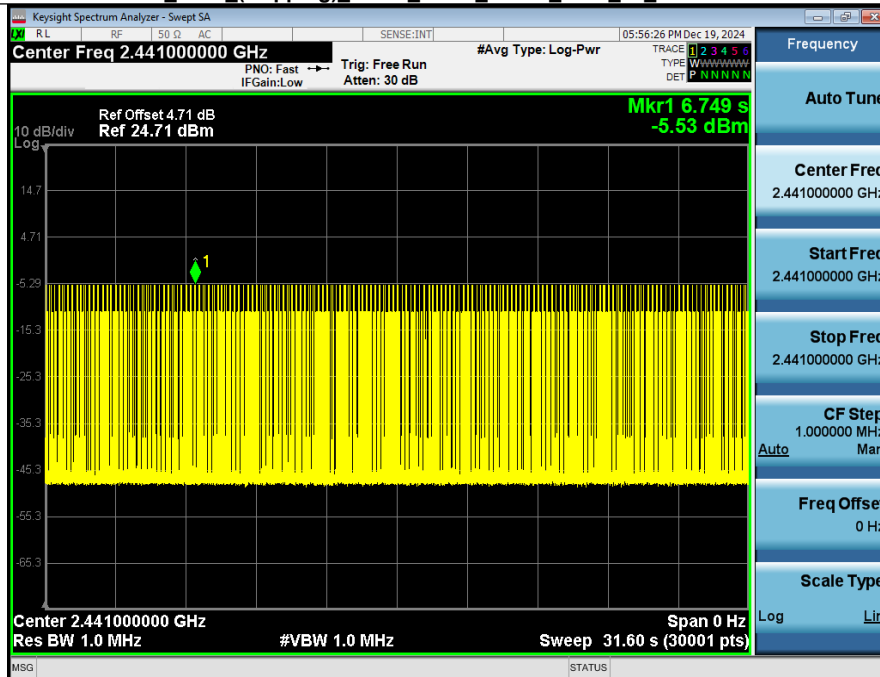
Condition	Antenna	Packet Type	Pulse Time(ms)	Hops	Dwell Time(ms)	Limit(s)	Result
NVNT	ANT1	1-DH1	0.384	320.00	122.880	0.40	Pass
NVHT	ANT1	2-DH1	0.393	319.00	125.367	0.40	Pass
NVHT	ANT1	3-DH1	0.393	320.00	125.760	0.40	Pass
NVHT	ANT1	1-DH3	1.640	150.00	246.000	0.40	Pass
NVHT	ANT1	1-DH5	2.888	104.00	300.352	0.40	Pass
NVHT	ANT1	2-DH3	1.645	165.00	271.425	0.40	Pass
NVHT	ANT1	2-DH5	2.893	115.00	332.695	0.40	Pass
NVHT	ANT1	3-DH3	1.650	156.00	257.400	0.40	Pass
NVHT	ANT1	3-DH5	2.895	101.00	292.395	0.40	Pass



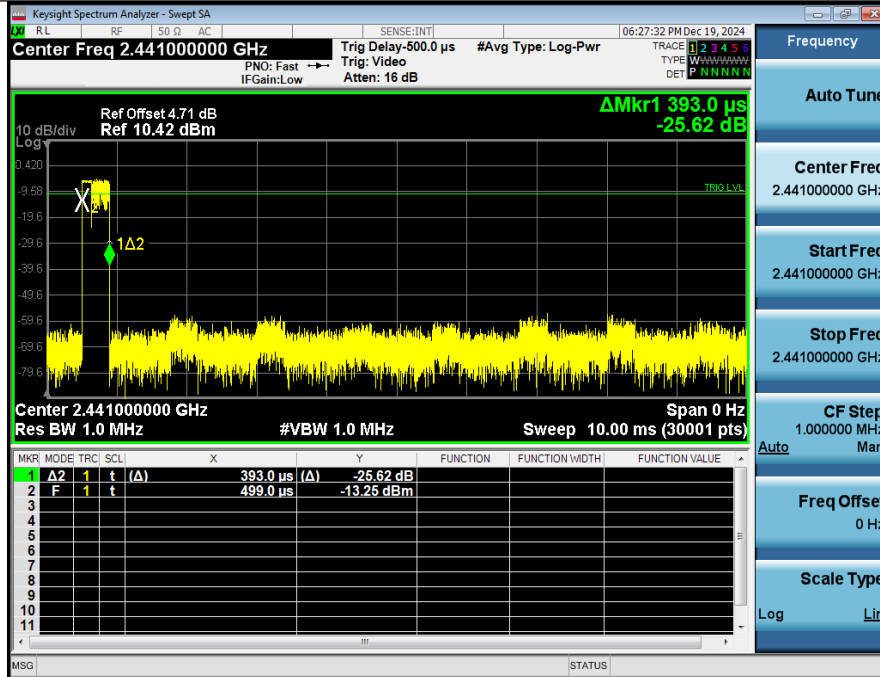
Dwell Time (Hopping) NVHT_ANT1_2-DH1_2441_00_One Burst Time



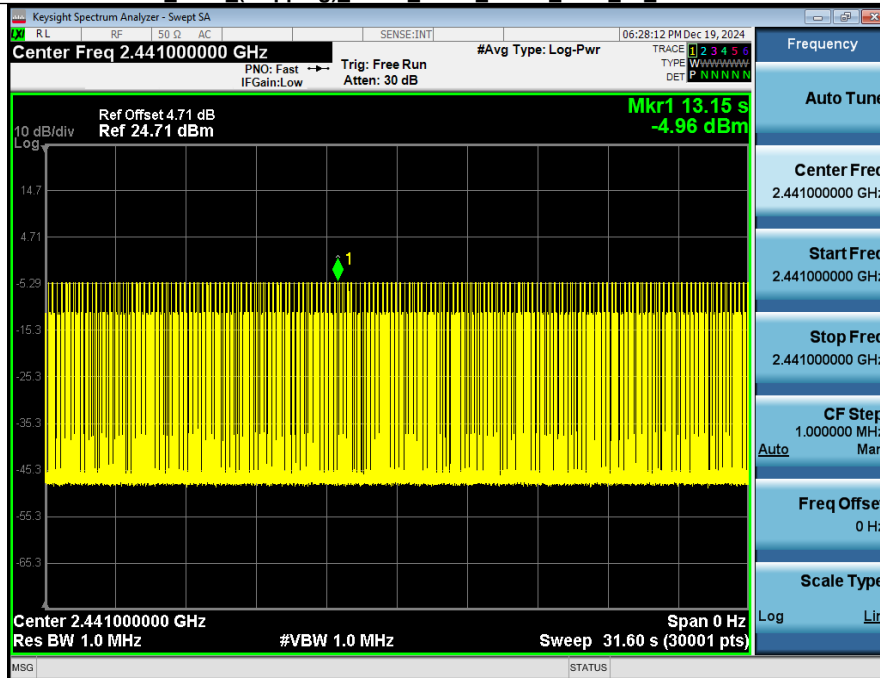
Dwell Time (Hopping) NVHT_ANT1_2-DH1_2441_00_Accumulated



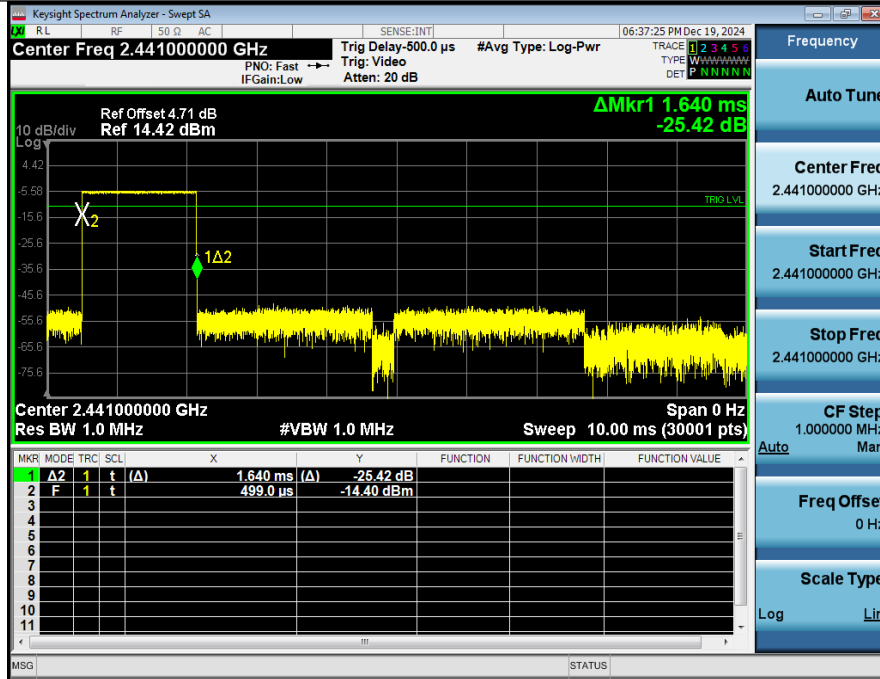
Dwell Time (Hopping) NVHT_ANT1_3-DH1_2441_00_One_Burst_Time



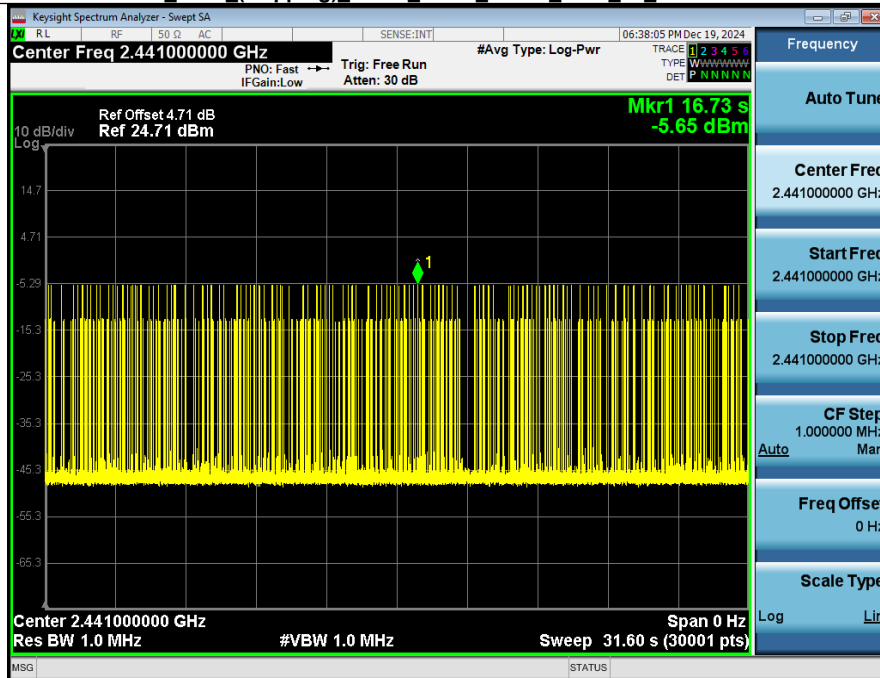
Dwell Time (Hopping) NVHT_ANT1_3-DH1_2441_00_Accumulated



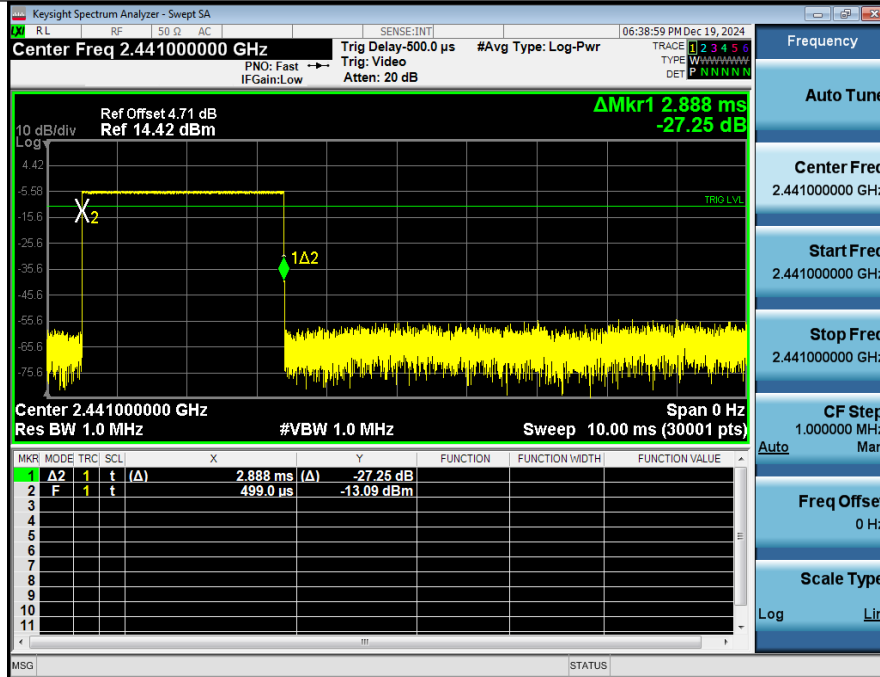
Dwell Time (Hopping) NVHT_ANT1_1-DH3_2441_00_One_Burst Time



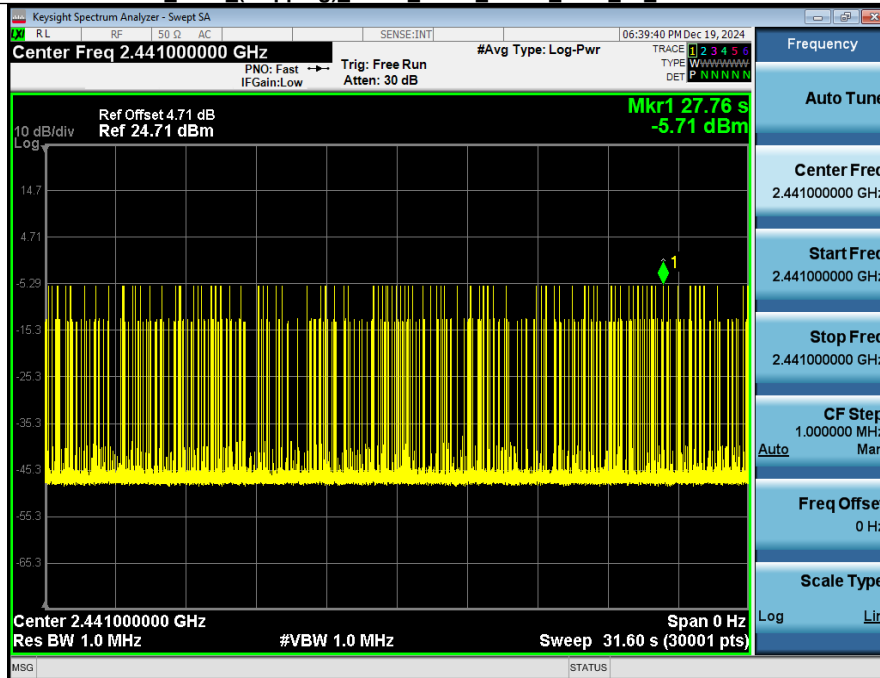
Dwell Time (Hopping) NVHT_ANT1_1-DH3_2441_00_Accumulated



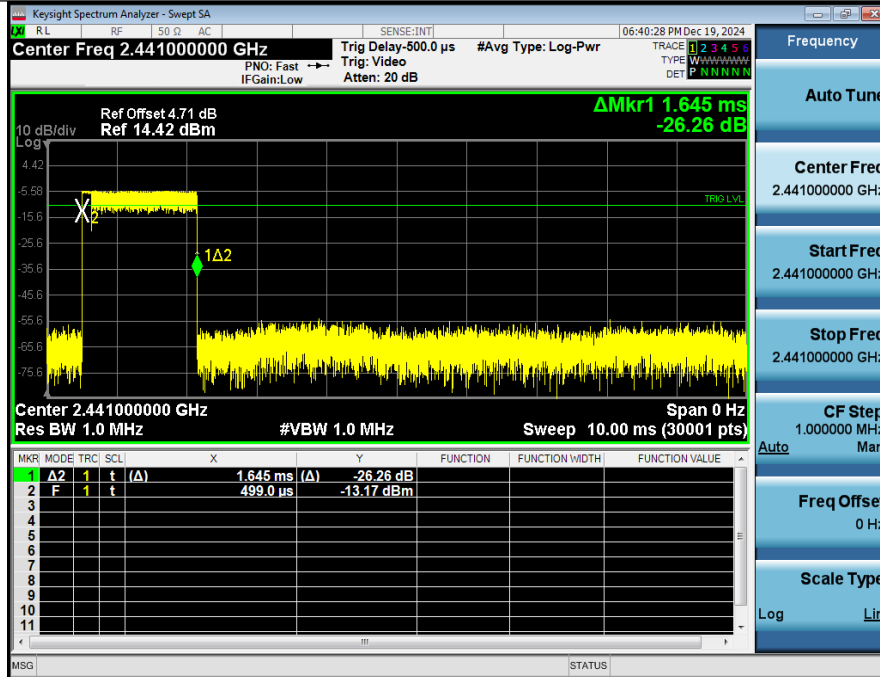
Dwell Time (Hopping) NVHT_ANT1_1-DH5_2441_00_One_Burst Time



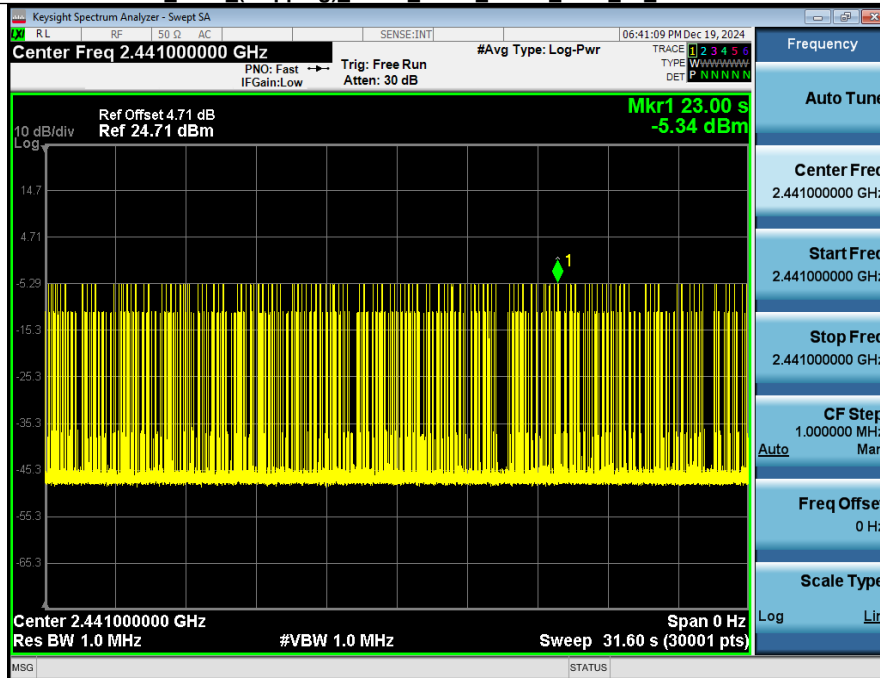
Dwell Time (Hopping) NVHT_ANT1_1-DH5_2441_00_Accumulated



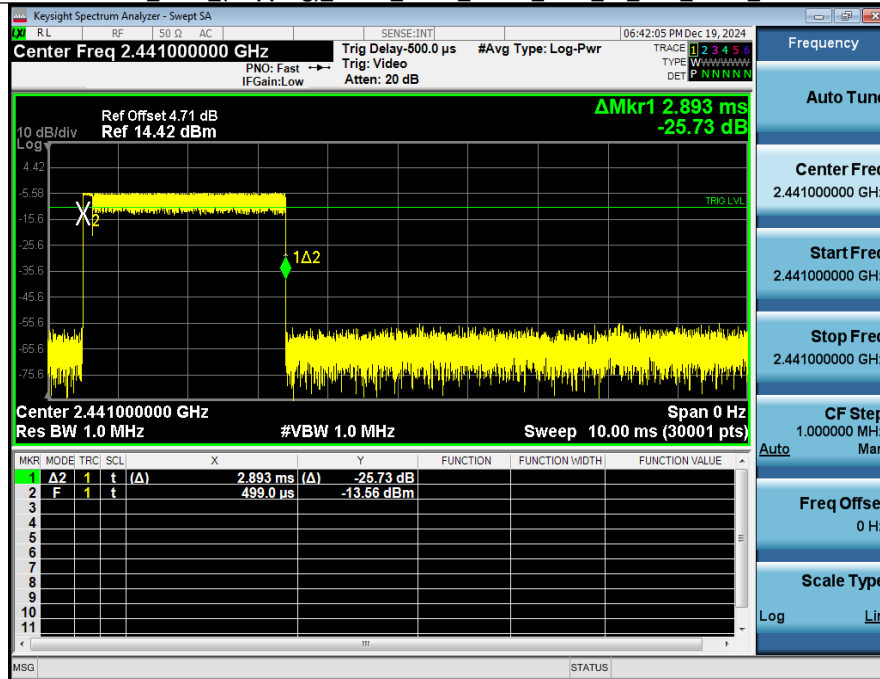
Dwell Time (Hopping) NVHT_ANT1_2-DH3_2441_00_One_Burst_Time



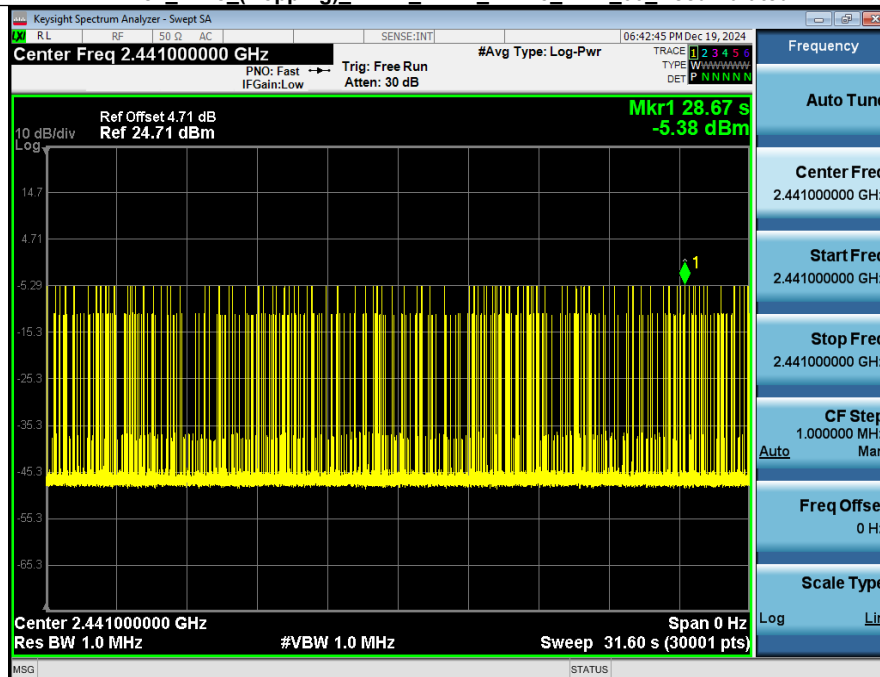
Dwell Time (Hopping) NVHT_ANT1_2-DH3_2441_00_Accumulated



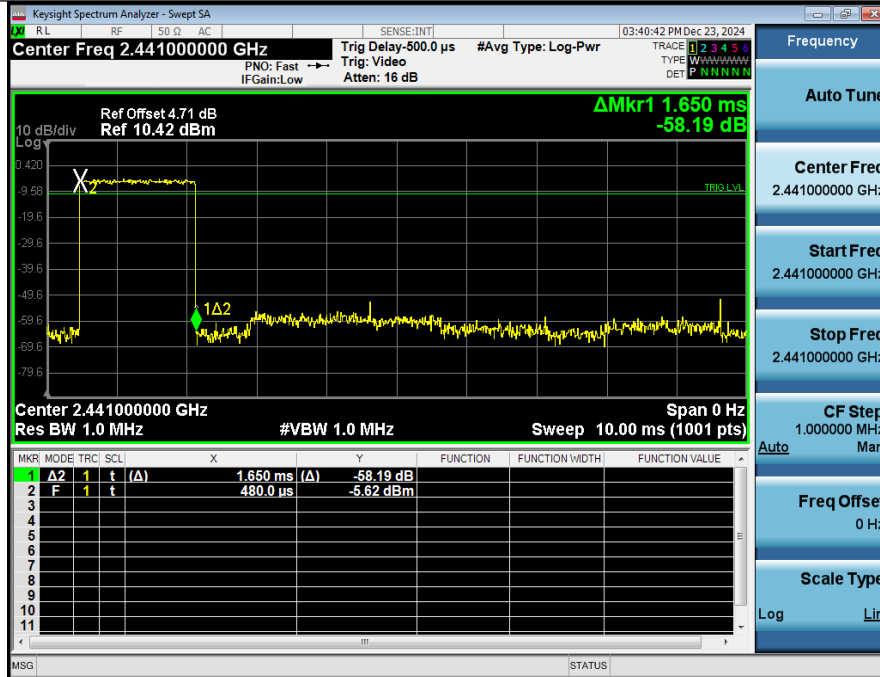
Dwell Time (Hopping) NVHT_ANT1_2-DH5_2441_00_One_Burst_Time



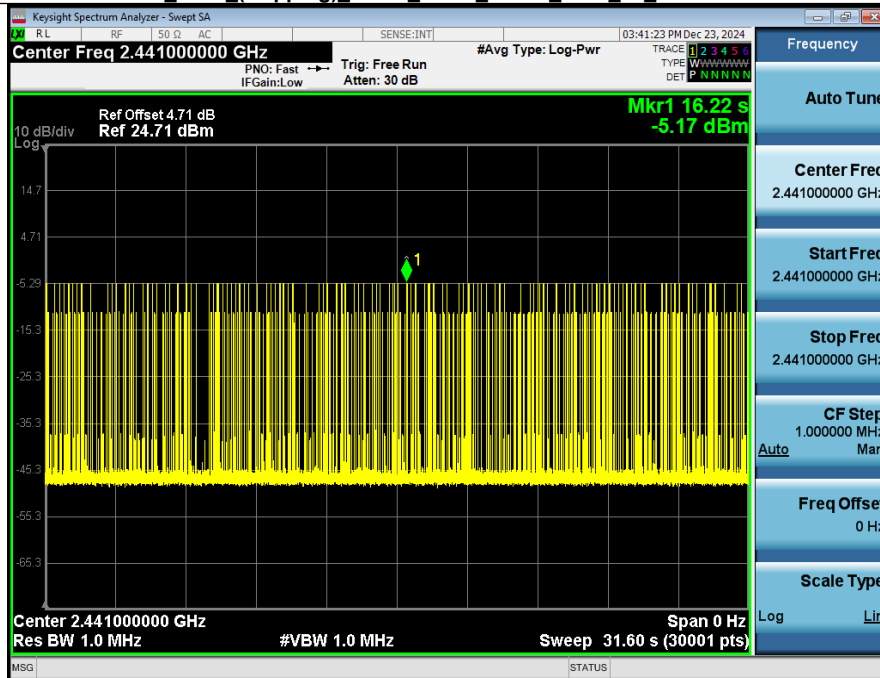
Dwell Time (Hopping) NVHT_ANT1_2-DH5_2441_00_Accumulated



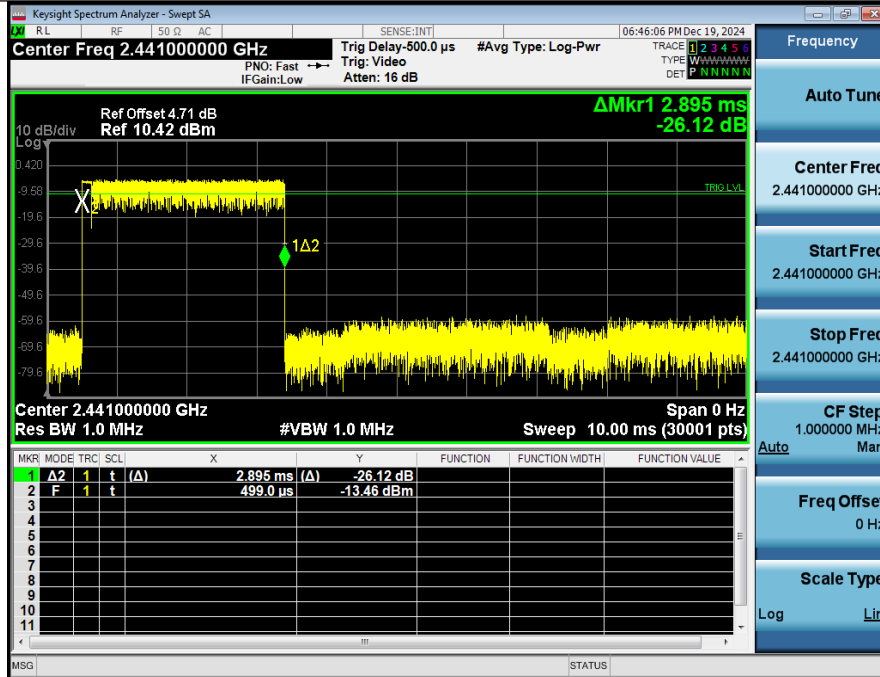
Dwell Time (Hopping) NVHT_ANT1_3-DH3_2441_00_One_Burst Time



Dwell Time (Hopping) NVHT_ANT1_3-DH3_2441_00_Accumulated



Dwell Time (Hopping) NVHT_ANT1_3-DH5_2441_00_One_Burst_Time



Dwell Time (Hopping) NVHT_ANT1_3-DH5_2441_00_Accumulated

