

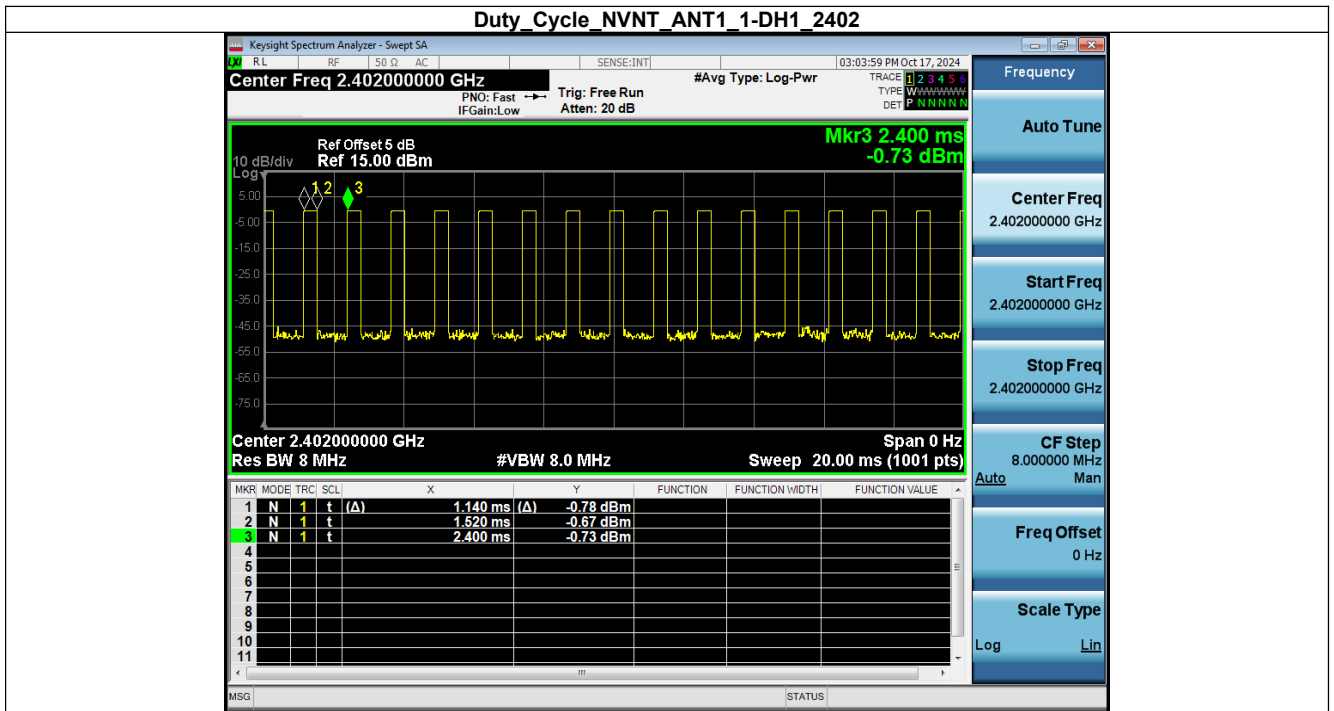
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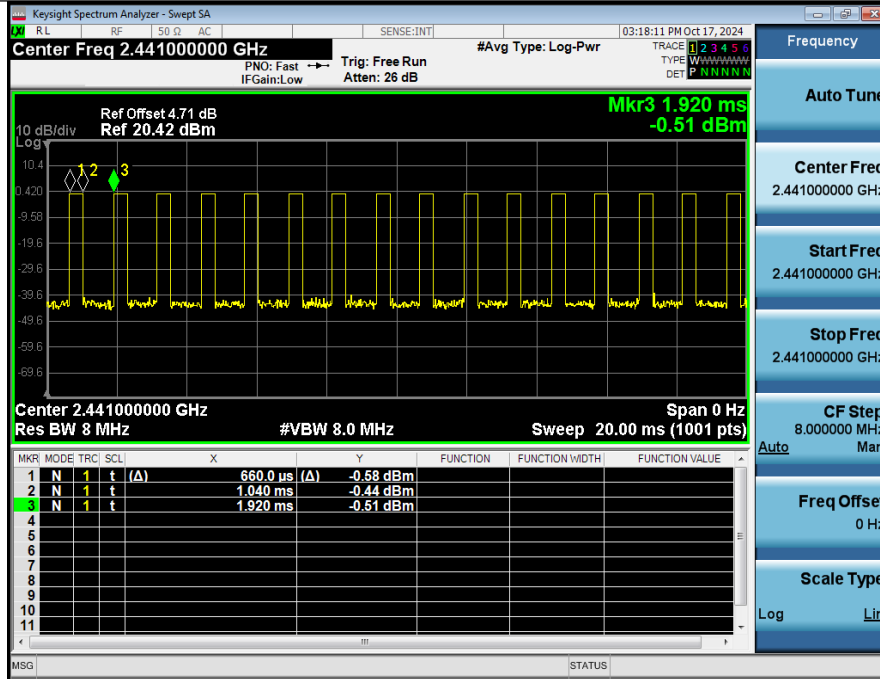
FCC ID:2BCAX-HY320N IC:31576-HY320NTV FCC_BT (Part15.247) Test Data

1. Duty Cycle

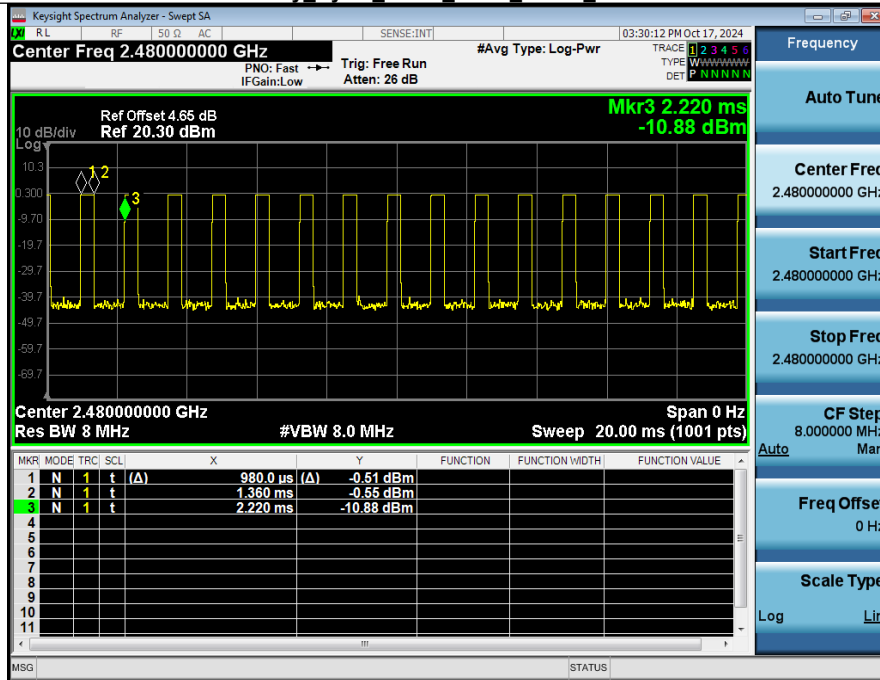
Condition	Antenna	Rate	Frequency (MHz)	Dutycycle(%)	Duty_factor
NVNT	ANT1	1-DH1	2402.00	31.75	4.98
NVNT	ANT1	1-DH1	2441.00	30.16	5.21
NVNT	ANT1	1-DH1	2480.00	32.26	4.91
NVNT	ANT1	2-DH1	2402.00	30.65	5.14
NVNT	ANT1	2-DH1	2441.00	31.75	4.98
NVNT	ANT1	2-DH1	2480.00	31.75	4.98
NVNT	ANT1	3-DH1	2402.00	30.16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



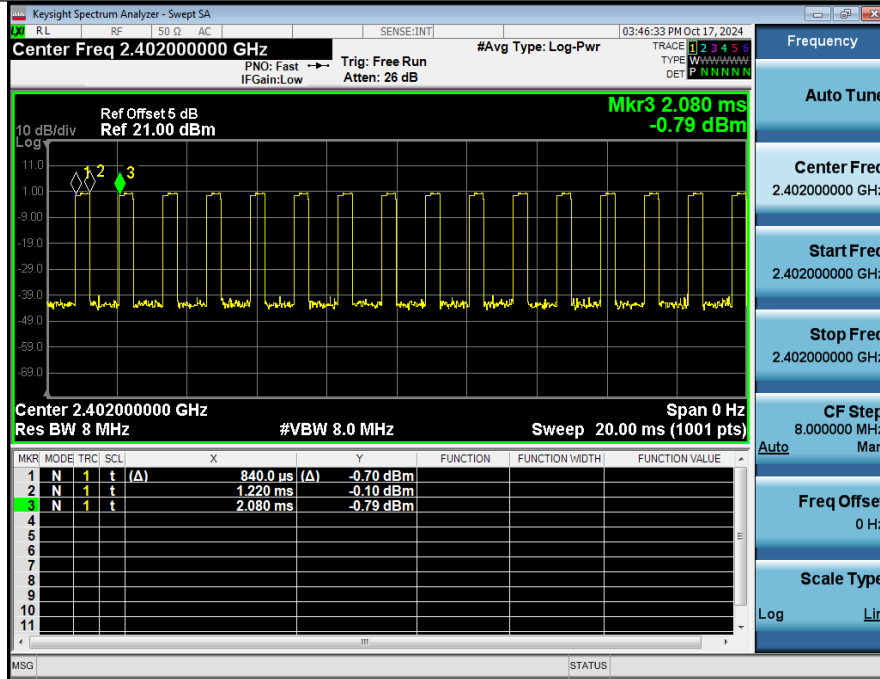
Duty Cycle NVNT_ANT1_1-DH1_2441



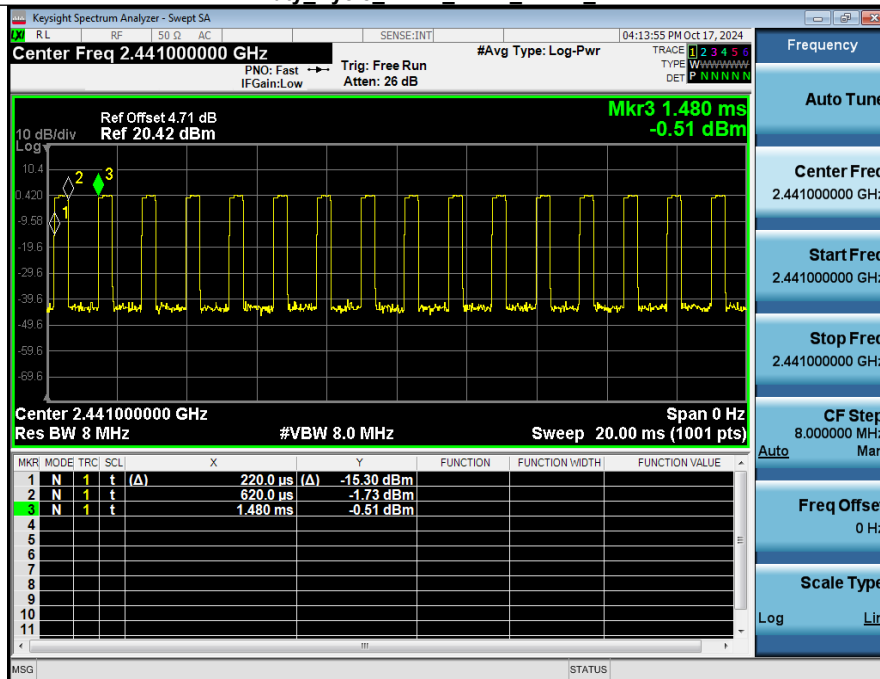
Duty Cycle NVNT_ANT1_1-DH1_2480



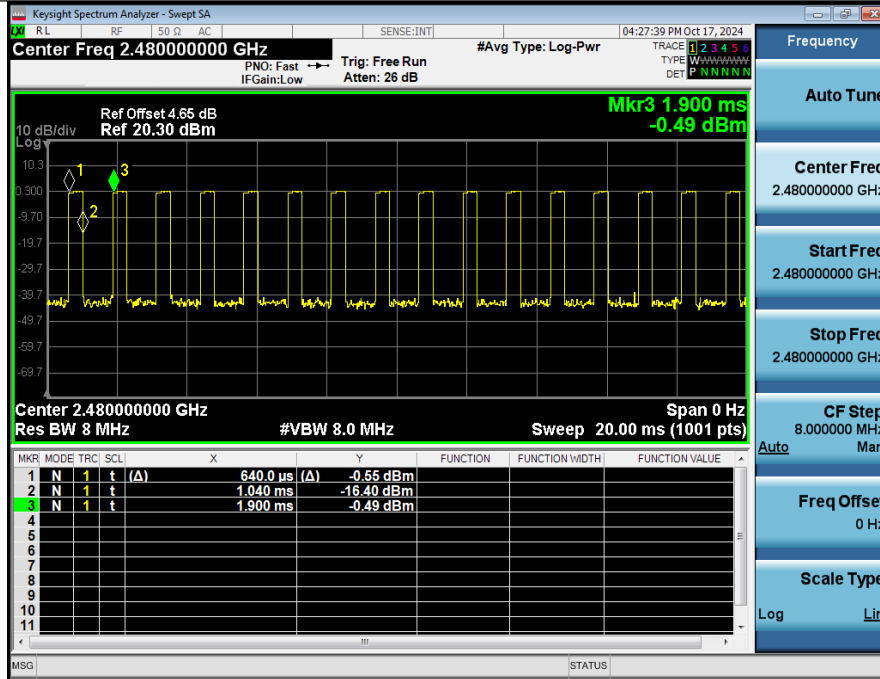
Duty Cycle NVNT_ANT1_2-DH1_2402



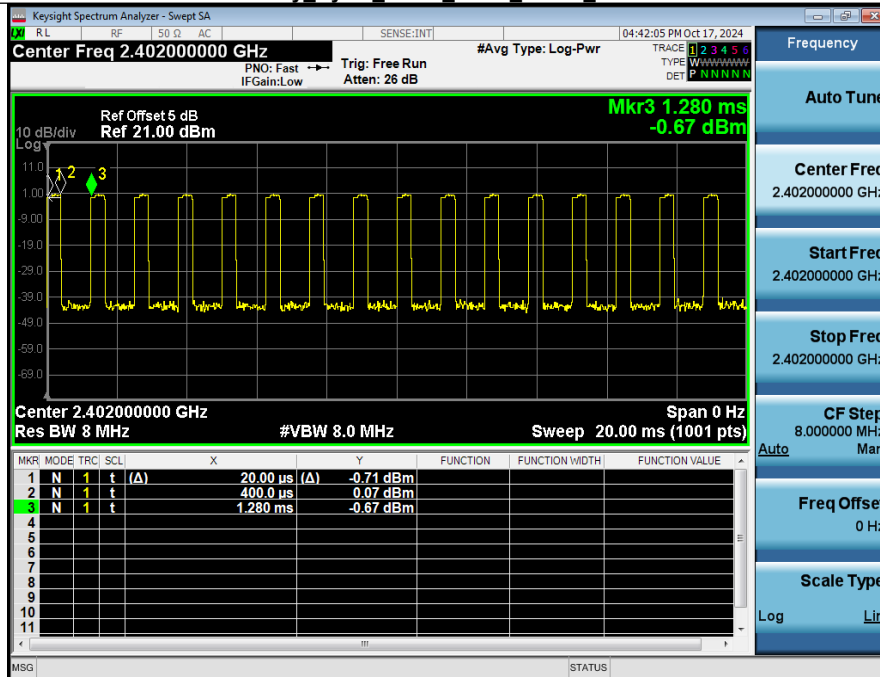
Duty Cycle NVNT_ANT1_2-DH1_2441



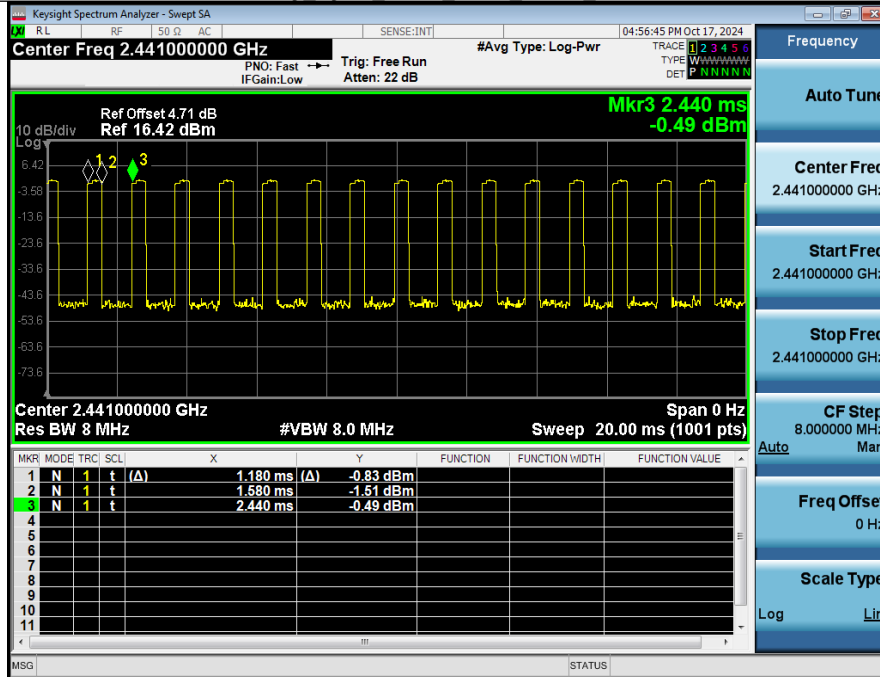
Duty Cycle NVNT_ANT1_2-DH1_2480



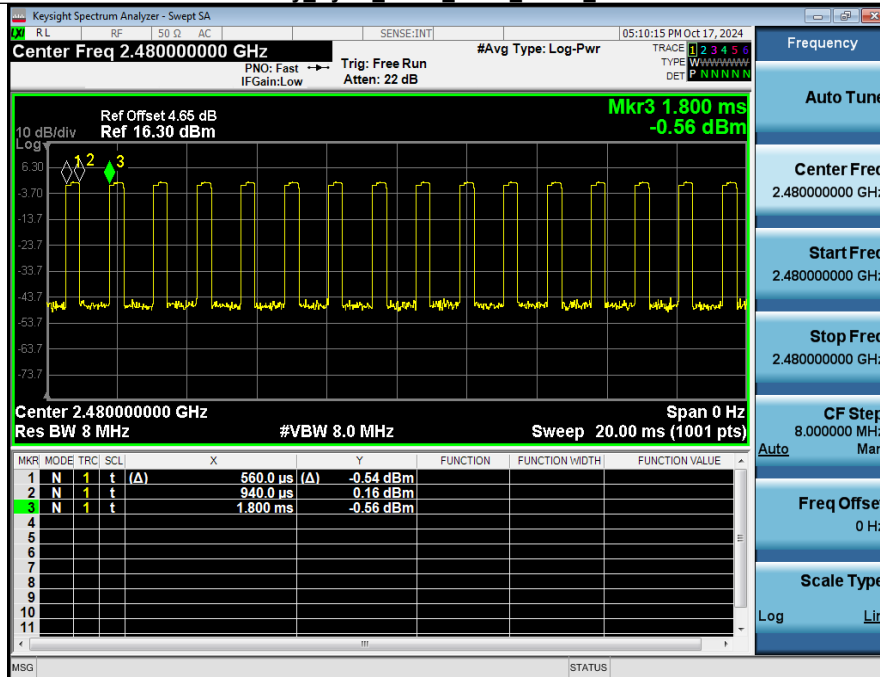
Duty Cycle NVNT_ANT1_3-DH1_2402



Duty Cycle_NVNT_ANT1_3-DH1_2441

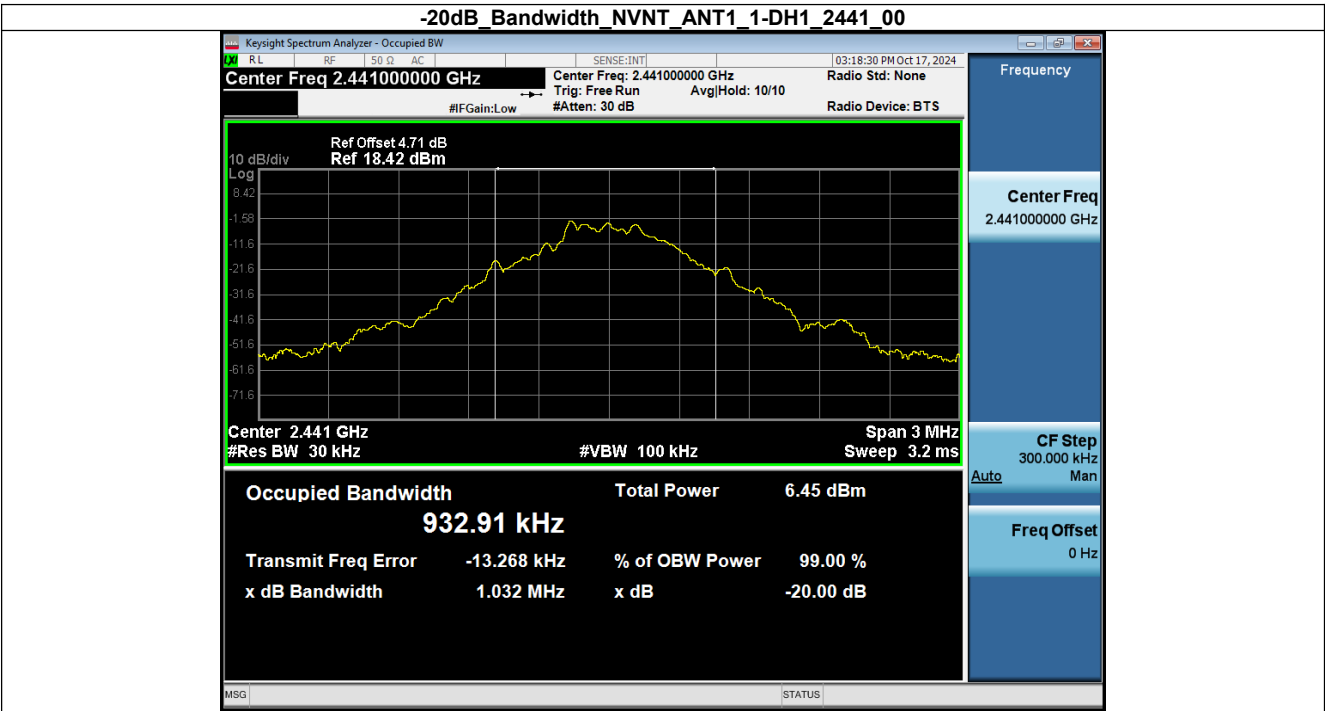
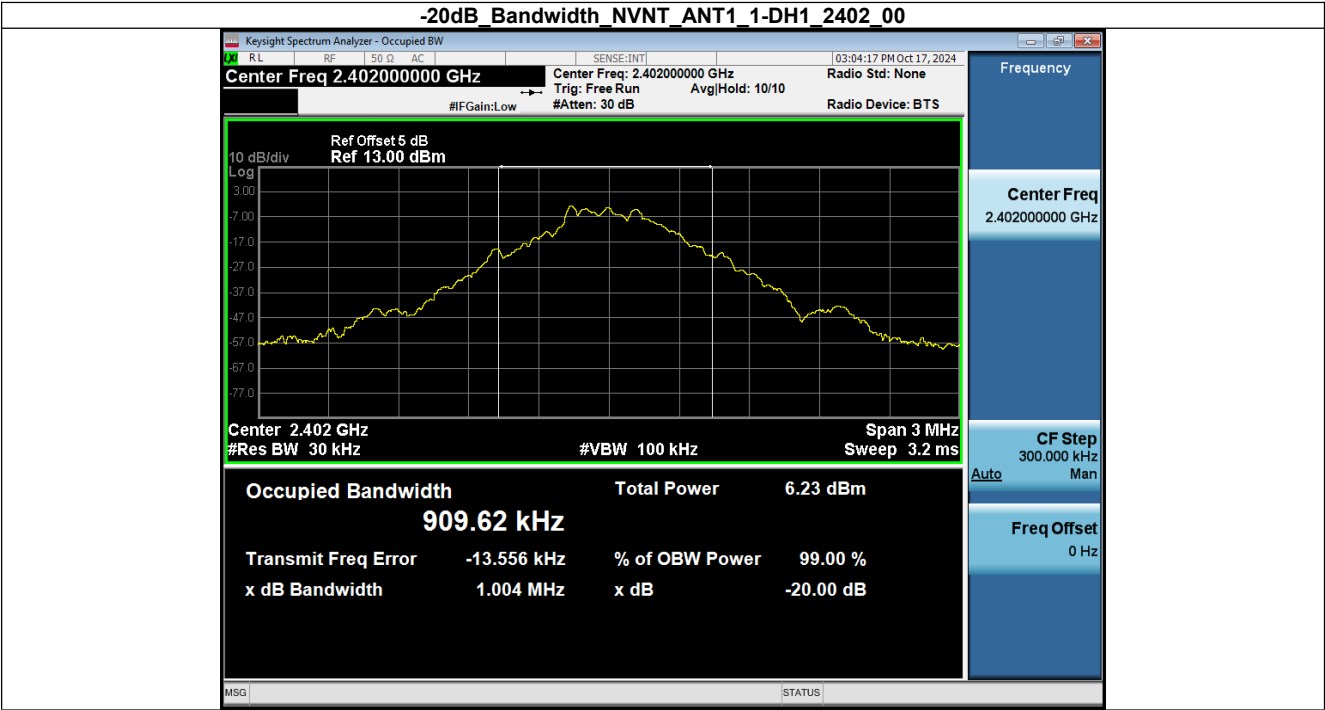


Duty Cycle_NVNT_ANT1_3-DH1_2480



2. -20dB Bandwidth

Condition	Antenna	Modulation	Frequency (MHz)	-20dB BW(MHz)	if larger than CFS
NVNT	ANT1	1-DH1	2402.00	1.004	Yes
NVNT	ANT1	1-DH1	2441.00	1.032	Yes
NVNT	ANT1	1-DH1	2480.00	1.040	Yes
NVNT	ANT1	2-DH1	2402.00	1.298	Yes
NVNT	ANT1	2-DH1	2441.00	1.299	Yes
NVNT	ANT1	2-DH1	2480.00	1.291	Yes
NVNT	ANT1	3-DH1	2402.00	1.261	Yes
NVNT	ANT1	3-DH1	2441.00	1.256	Yes
NVNT	ANT1	3-DH1	2480.00	1.265	Yes



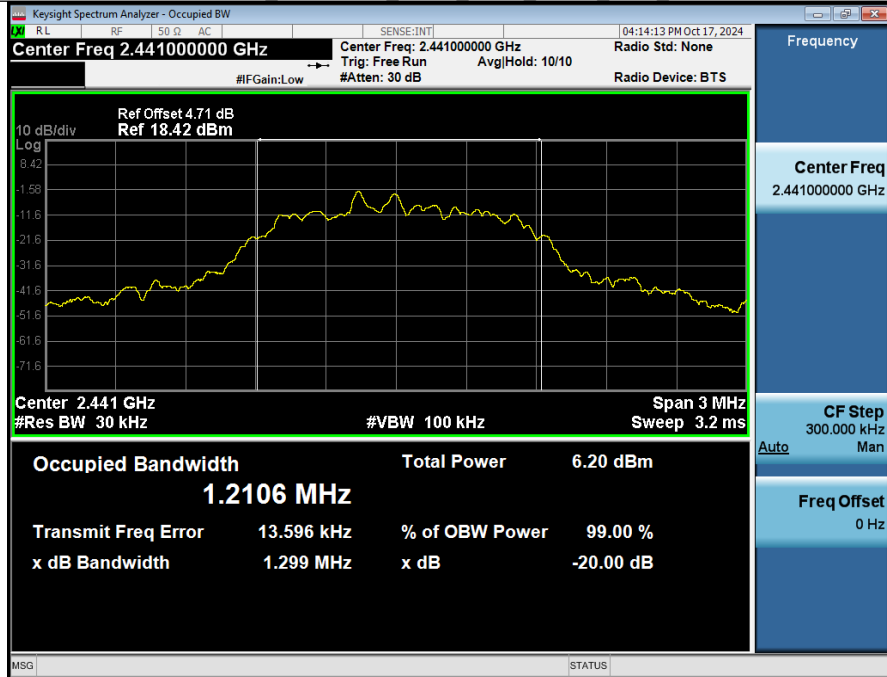
-20dB_Bandwidth_NVNT_ANT1_1-DH1_2480_00



-20dB_Bandwidth_NVNT_ANT1_2-DH1_2402_00



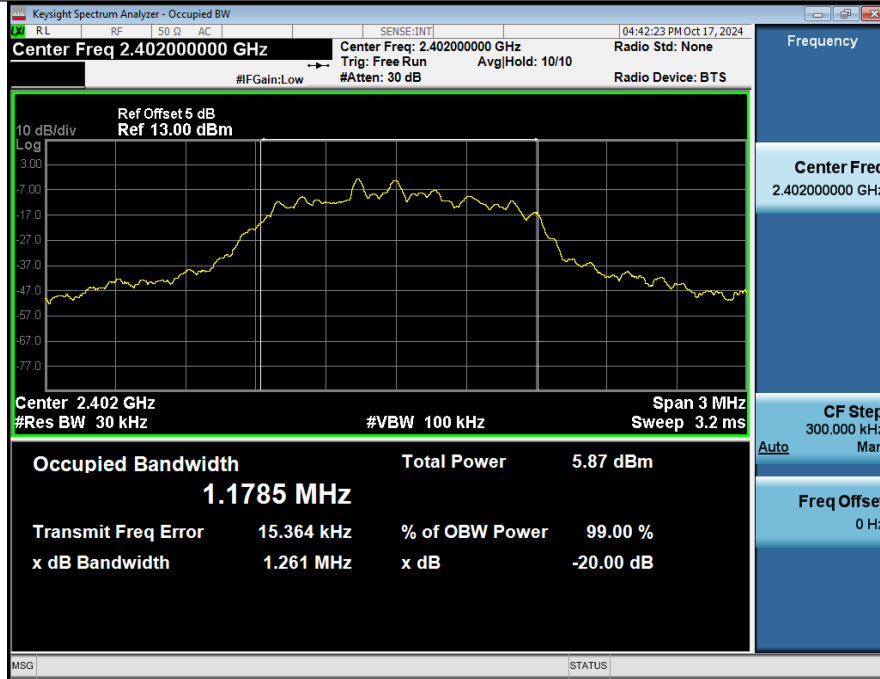
-20dB Bandwidth_NVNT_ANT1_2-DH1_2441_00



-20dB Bandwidth_NVNT_ANT1_2-DH1_2480_00



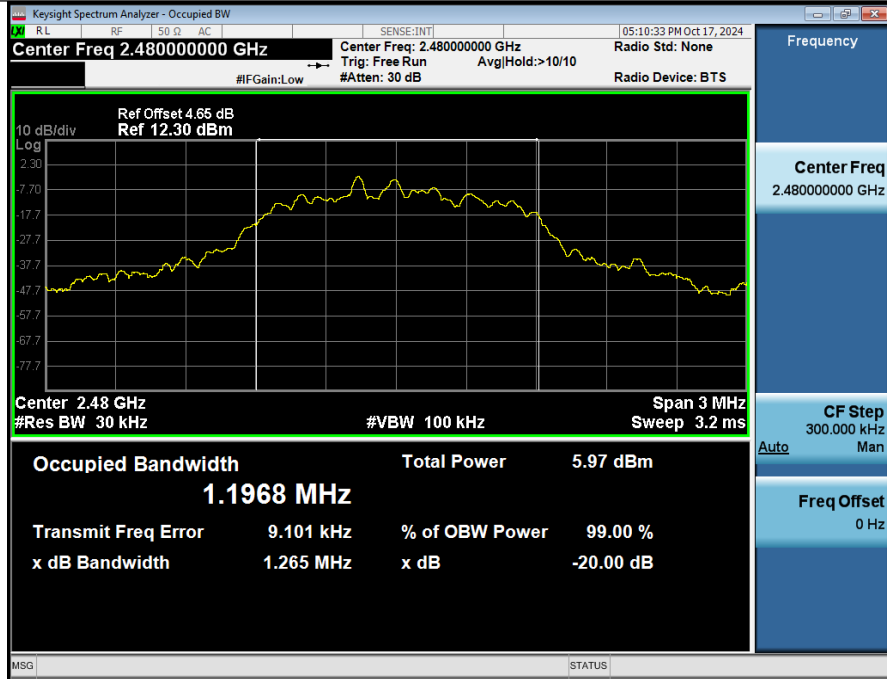
-20dB_Bandwidth_NVNT_ANT1_3-DH1_2402_00



-20dB_Bandwidth_NVNT_ANT1_3-DH1_2441_00

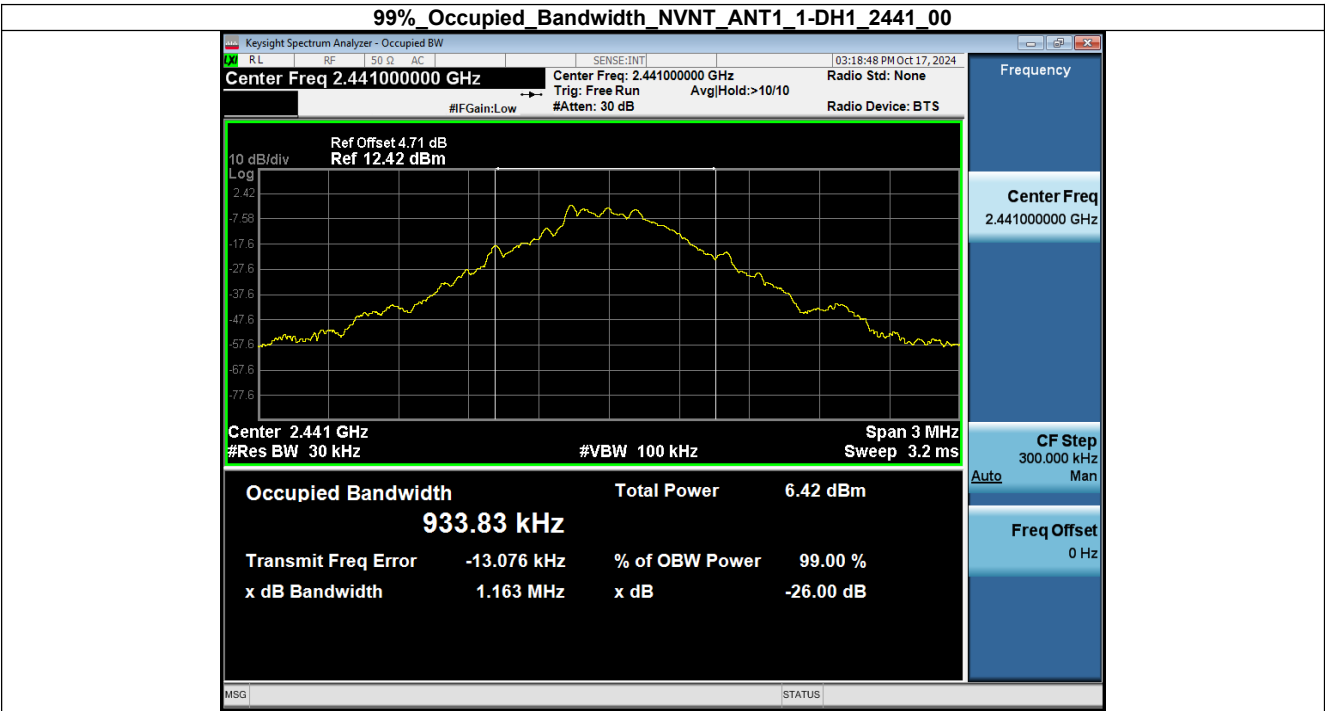
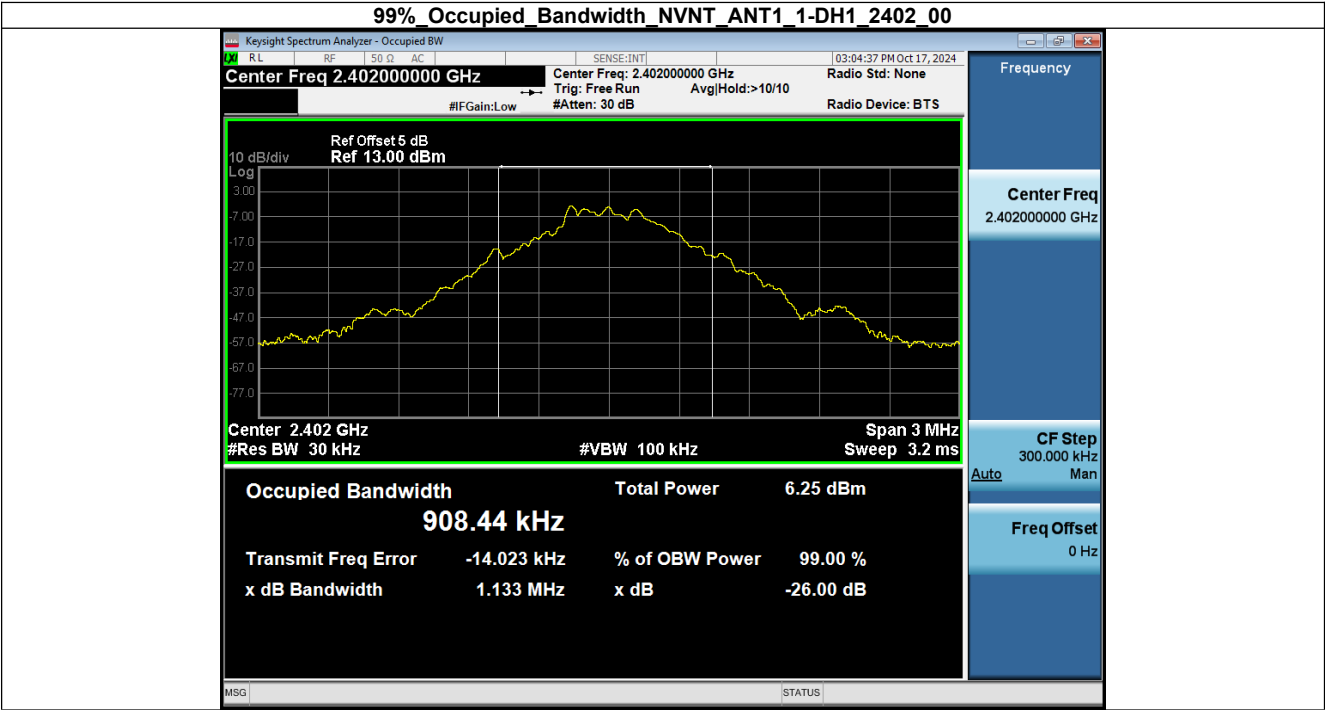


-20dB_Bandwidth_NVNT_ANT1_3-DH1_2480_00

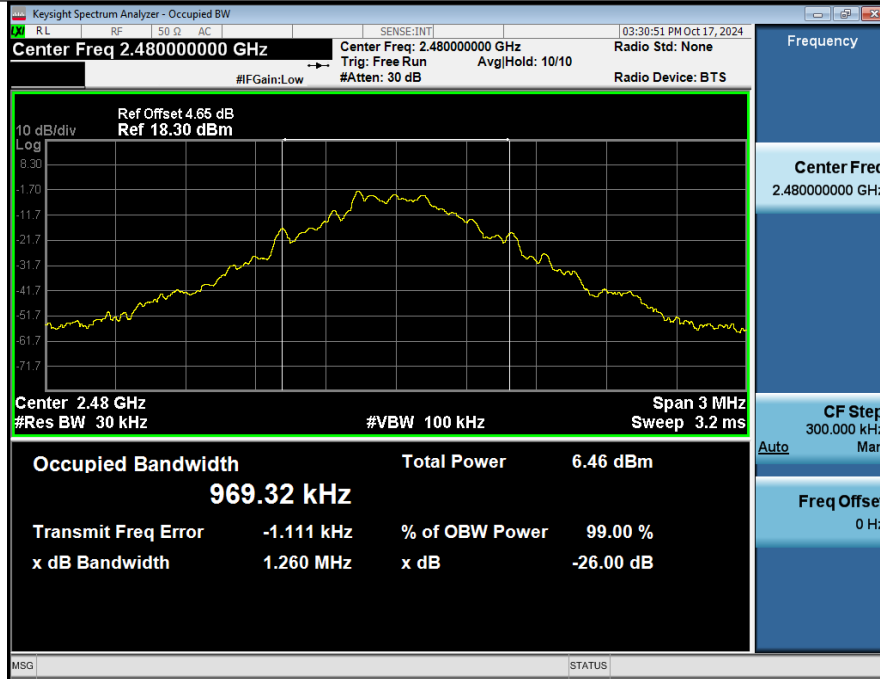


3. 99% Occupied Bandwidth

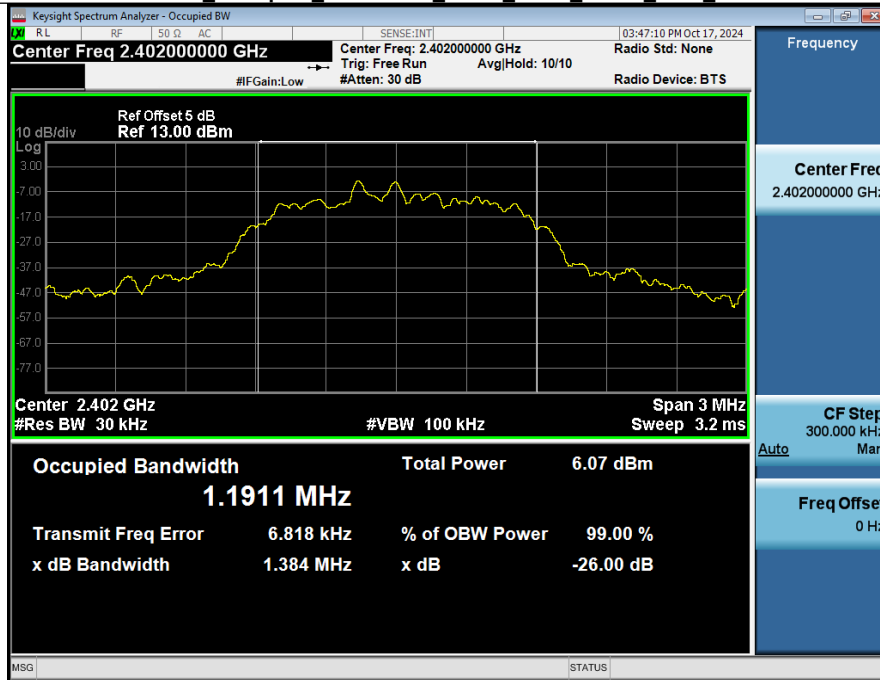
Condition	Antenna	Modulation	Frequency (MHz)	99%%BW(MHz)
NVNT	ANT1	1-DH1	2402.00	0.908
NVNT	ANT1	1-DH1	2441.00	0.934
NVNT	ANT1	1-DH1	2480.00	0.969
NVNT	ANT1	2-DH1	2402.00	1.191
NVNT	ANT1	2-DH1	2441.00	1.211
NVNT	ANT1	2-DH1	2480.00	1.223
NVNT	ANT1	3-DH1	2402.00	1.178
NVNT	ANT1	3-DH1	2441.00	1.190
NVNT	ANT1	3-DH1	2480.00	1.200



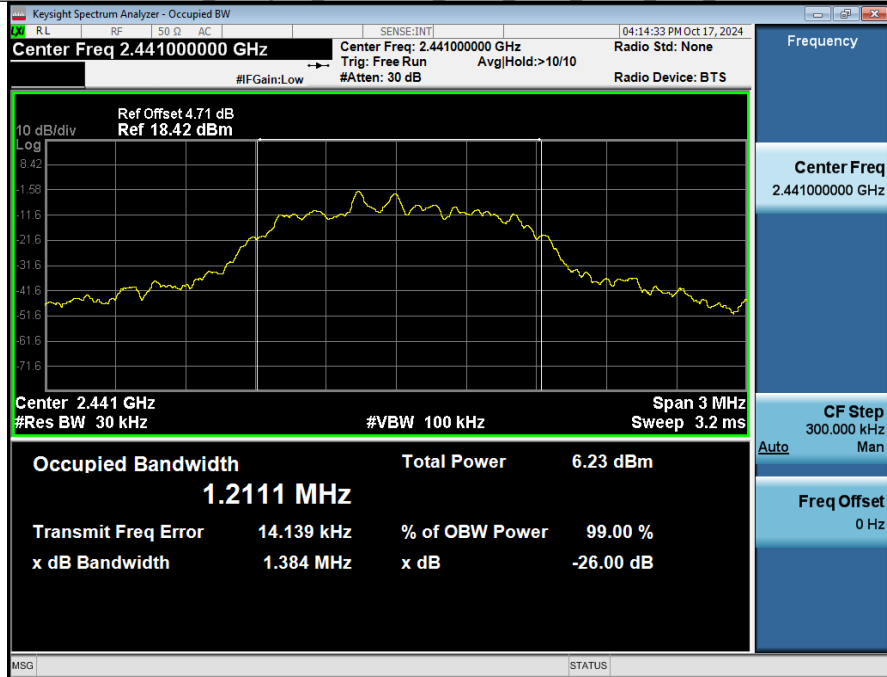
99% Occupied Bandwidth NVNT_ANT1_1-DH1_2480_00



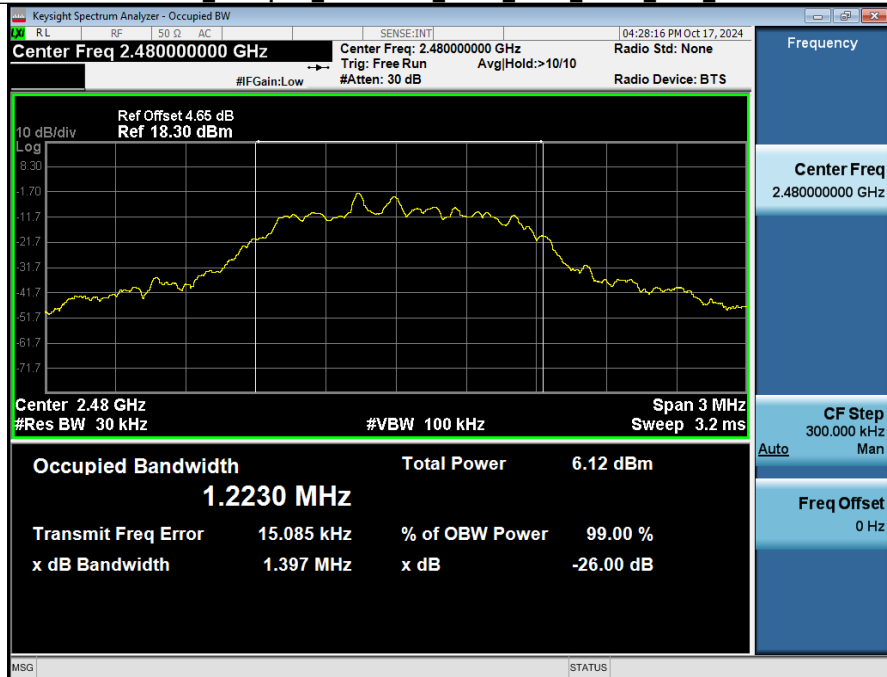
99% Occupied Bandwidth NVNT_ANT1_2-DH1_2402_00



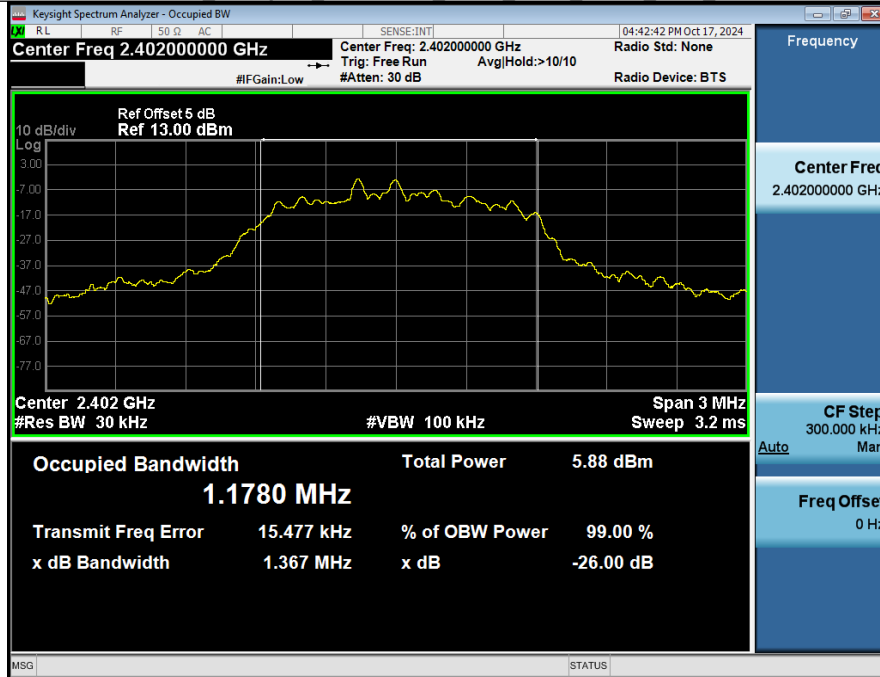
99% Occupied Bandwidth NVNT_ANT1_2-DH1_2441_00



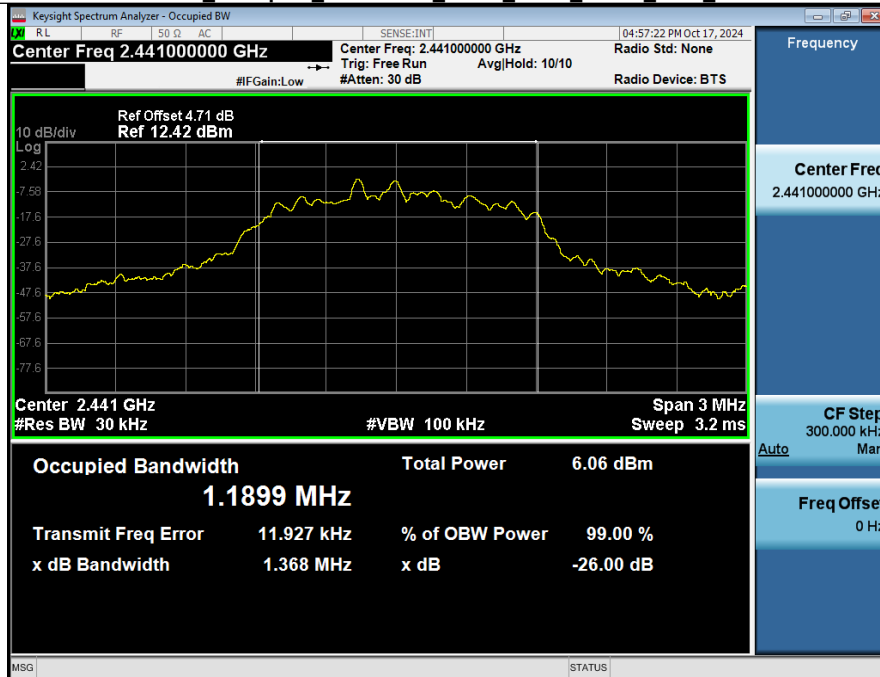
99% Occupied Bandwidth NVNT_ANT1_2-DH1_2480_00

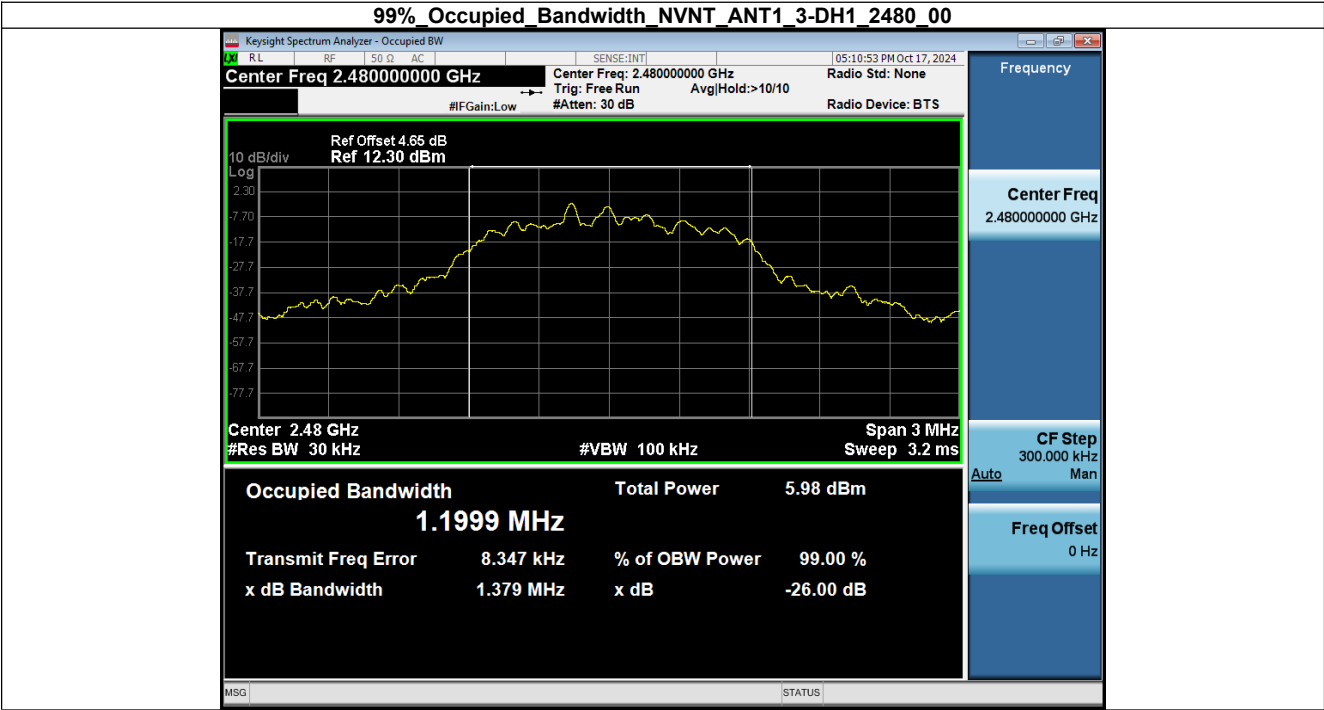


99% Occupied Bandwidth NVNT_ANT1_3-DH1_2402_00



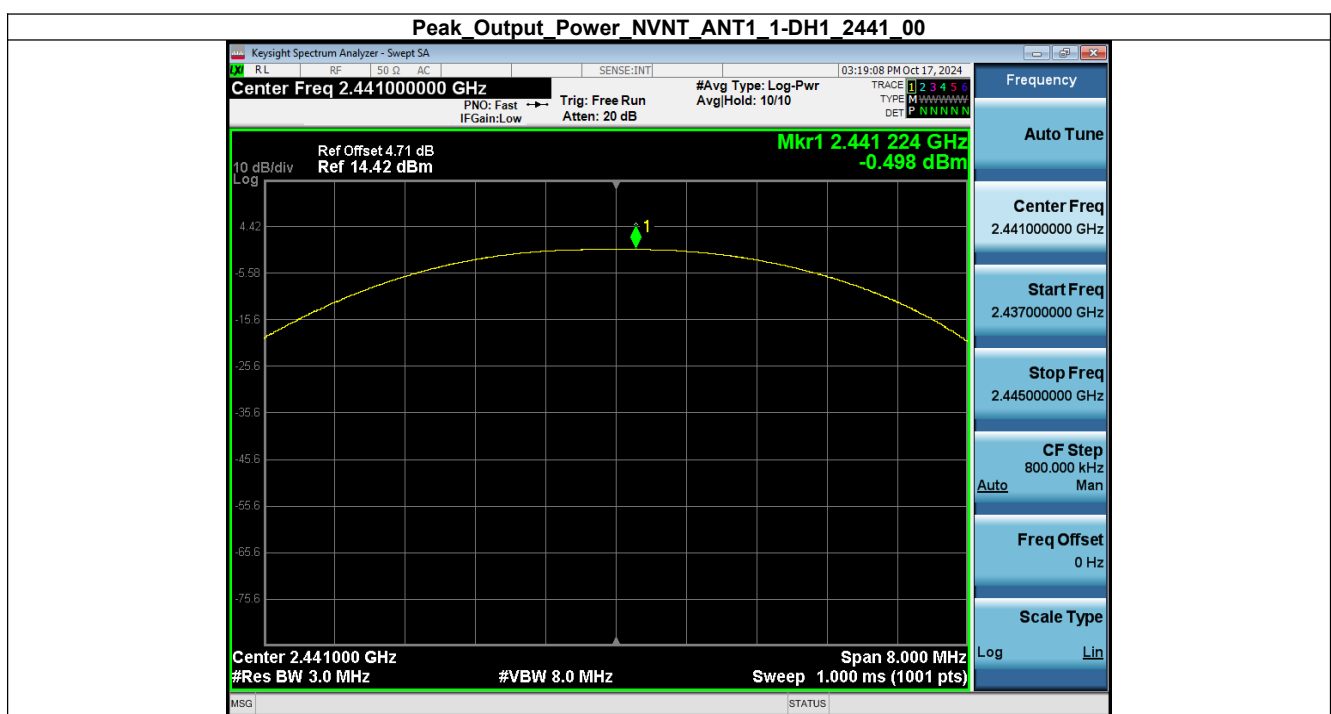
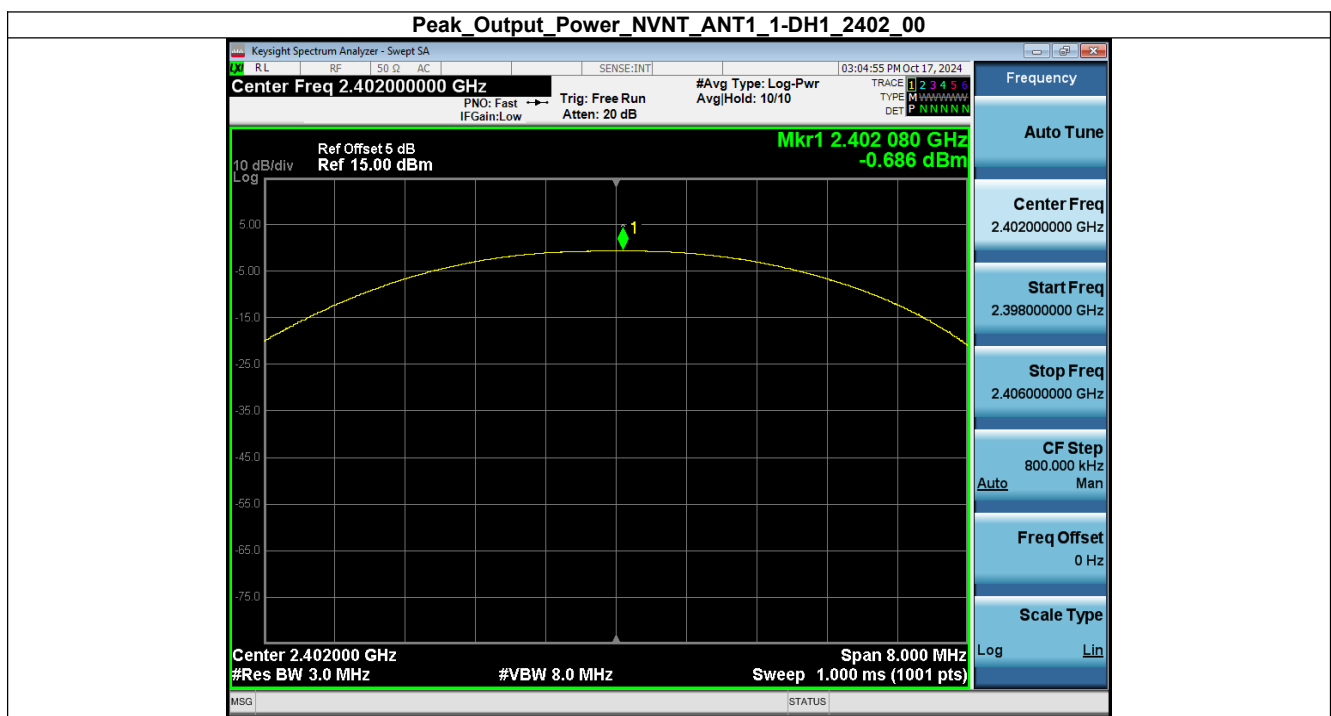
99% Occupied Bandwidth NVNT_ANT1_3-DH1_2441_00



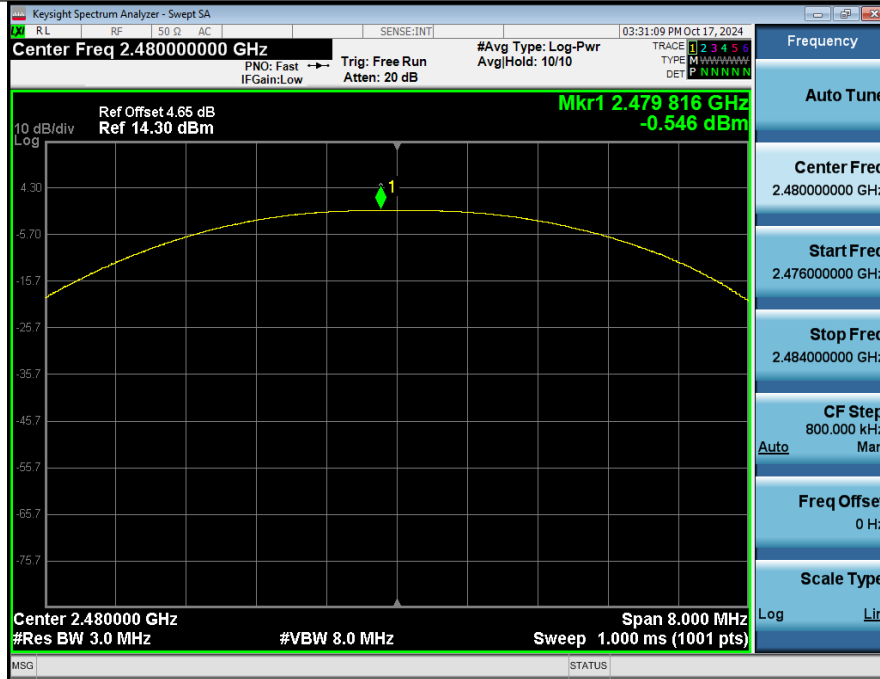


4. Peak Output Power

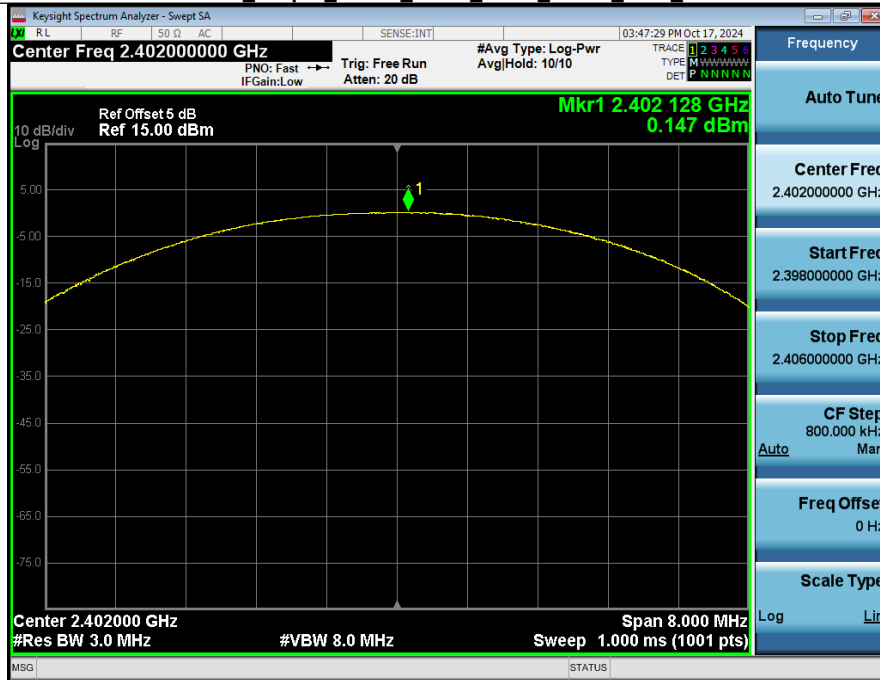
Condition	Antenna	Modulation	Frequency (MHz)	Max. Conducted Power(dBm)	Max. Conducted Power(mW)	Limit(mW)	Result
NVNT	ANT1	1-DH1	2402.00	-0.69	0.85	125	Pass
NVNT	ANT1	1-DH1	2441.00	-0.50	0.89	125	Pass
NVNT	ANT1	1-DH1	2480.00	-0.55	0.88	125	Pass
NVNT	ANT1	2-DH1	2402.00	0.15	1.03	125	Pass
NVNT	ANT1	2-DH1	2441.00	0.34	1.08	125	Pass
NVNT	ANT1	2-DH1	2480.00	0.29	1.07	125	Pass
NVNT	ANT1	3-DH1	2402.00	0.68	1.17	125	Pass
NVNT	ANT1	3-DH1	2441.00	0.89	1.23	125	Pass
NVNT	ANT1	3-DH1	2480.00	0.78	1.20	125	Pass



Peak Output Power_NVNT_ANT1_1-DH1_2480_00



Peak Output Power_NVNT_ANT1_2-DH1_2402_00



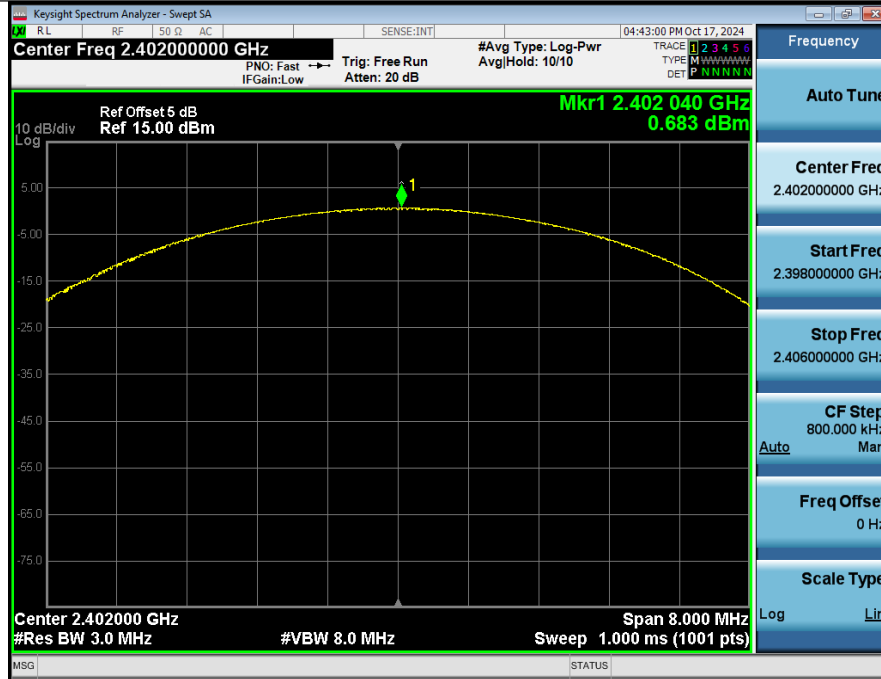
Peak Output Power_NVNT_ANT1_2-DH1_2441_00



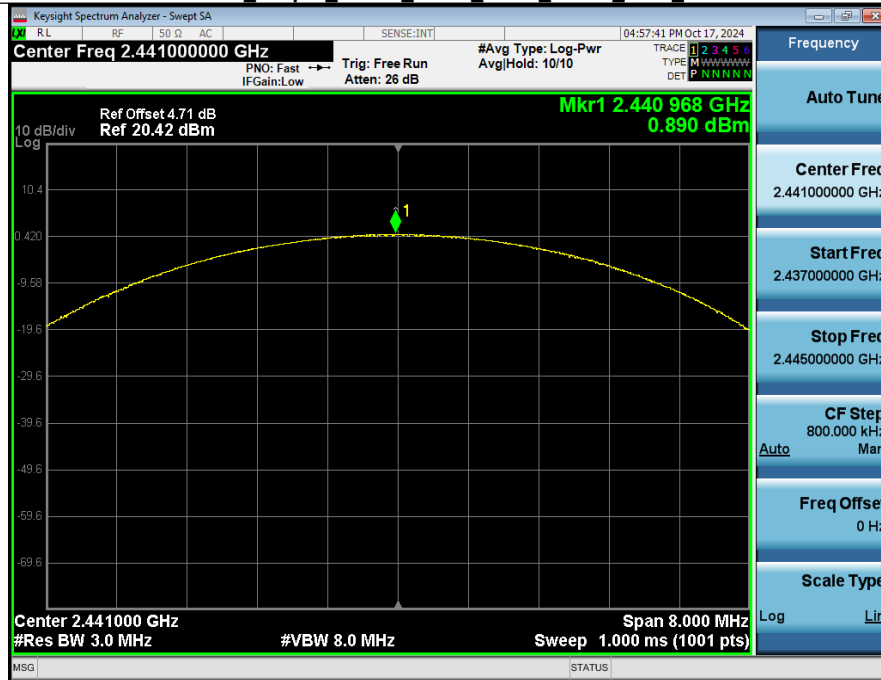
Peak Output Power_NVNT_ANT1_2-DH1_2480_00



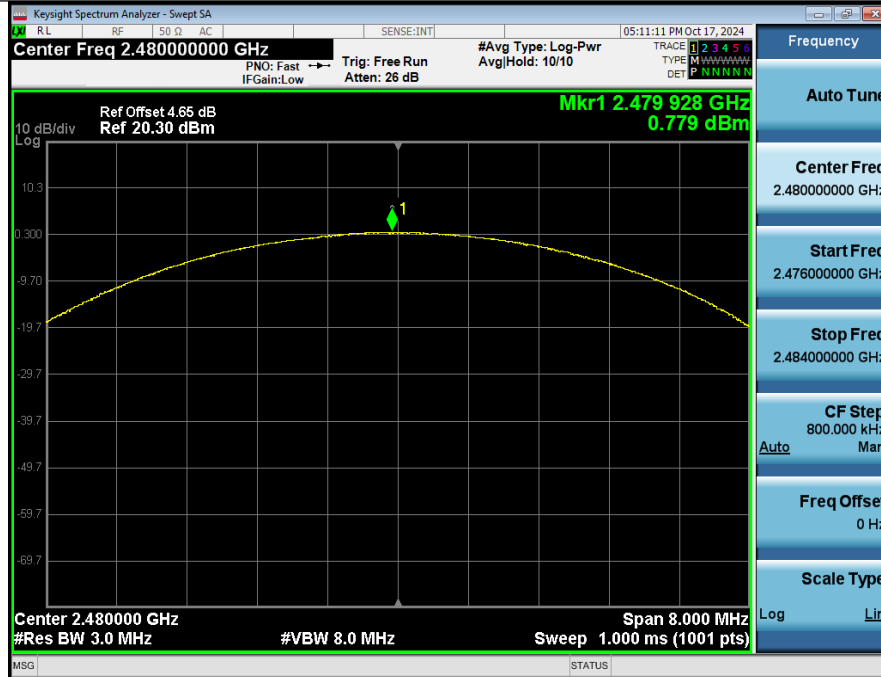
Peak Output Power_NVNT_ANT1_3-DH1_2402_00



Peak Output Power_NVNT_ANT1_3-DH1_2441_00

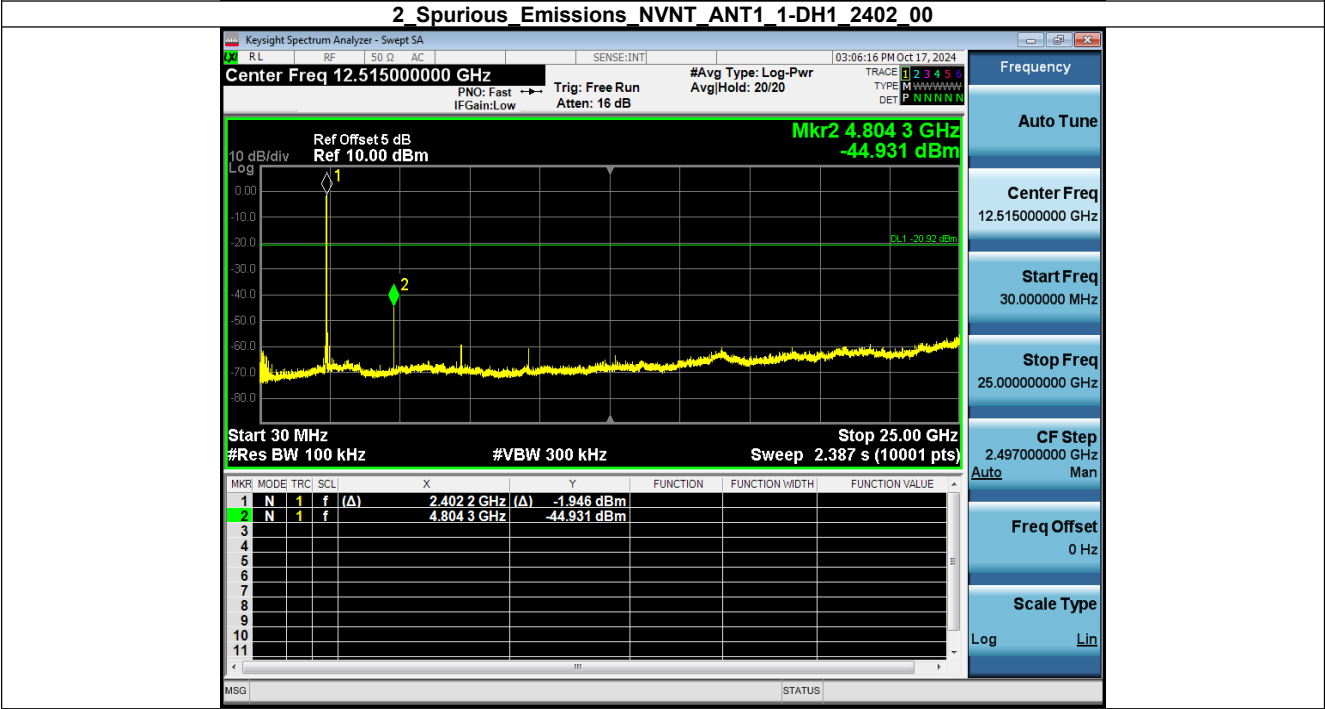
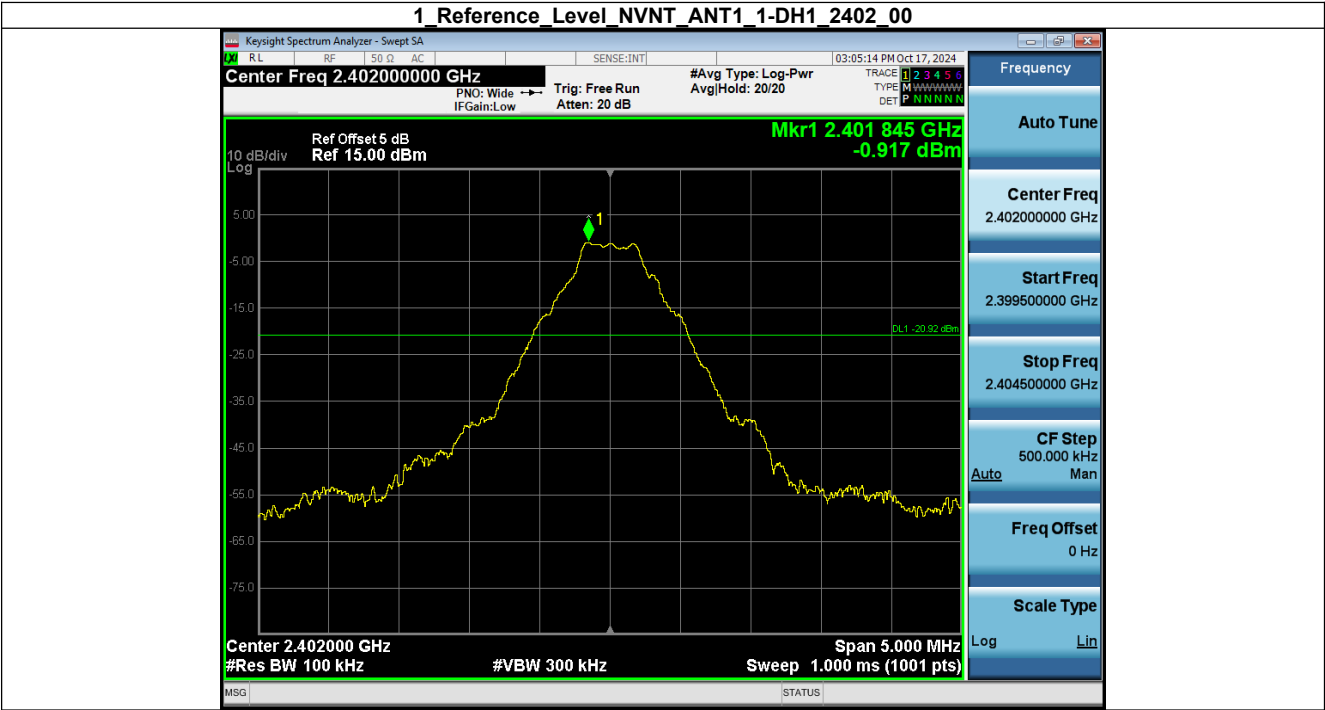


Peak Output Power_NVNT_ANT1_3-DH1_2480_00



5. Spurious Emissions

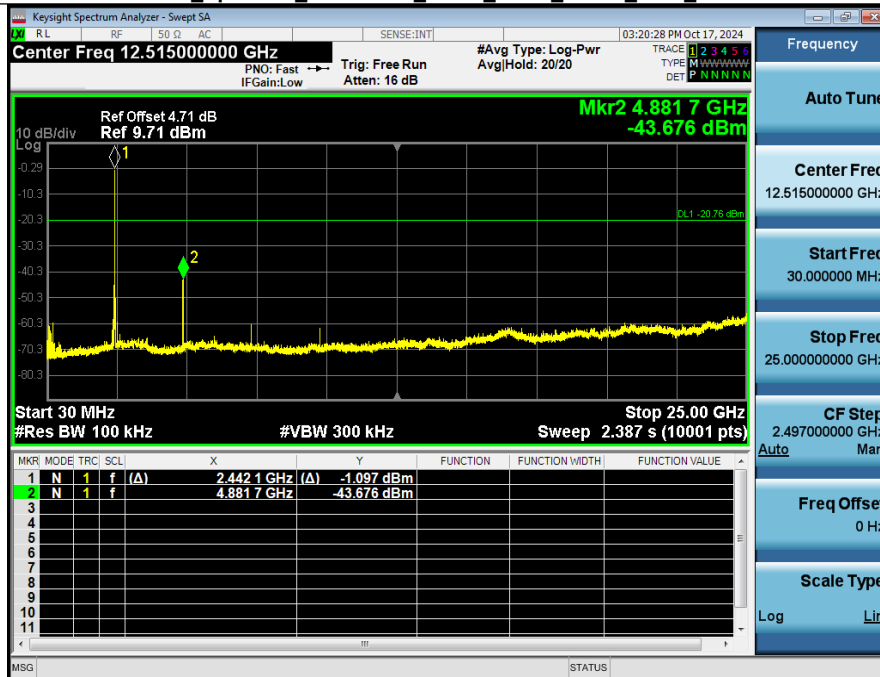
Condition	Antenna	Modulation	TX Mode	Spurious MAX.Value(dBm)	Limit	Result
NVNT	ANT1	1-DH1	2402.00	-44.931	-20.917	Pass
NVNT	ANT1	1-DH1	2441.00	-43.676	-20.758	Pass
NVNT	ANT1	1-DH1	2480.00	-44.189	-20.876	Pass
NVNT	ANT1	2-DH1	2402.00	-49.127	-20.900	Pass
NVNT	ANT1	2-DH1	2441.00	-46.257	-20.735	Pass
NVNT	ANT1	2-DH1	2480.00	-39.821	-20.845	Pass
NVNT	ANT1	3-DH1	2402.00	-45.811	-20.930	Pass
NVNT	ANT1	3-DH1	2441.00	-44.499	-20.814	Pass
NVNT	ANT1	3-DH1	2480.00	-40.592	-20.888	Pass



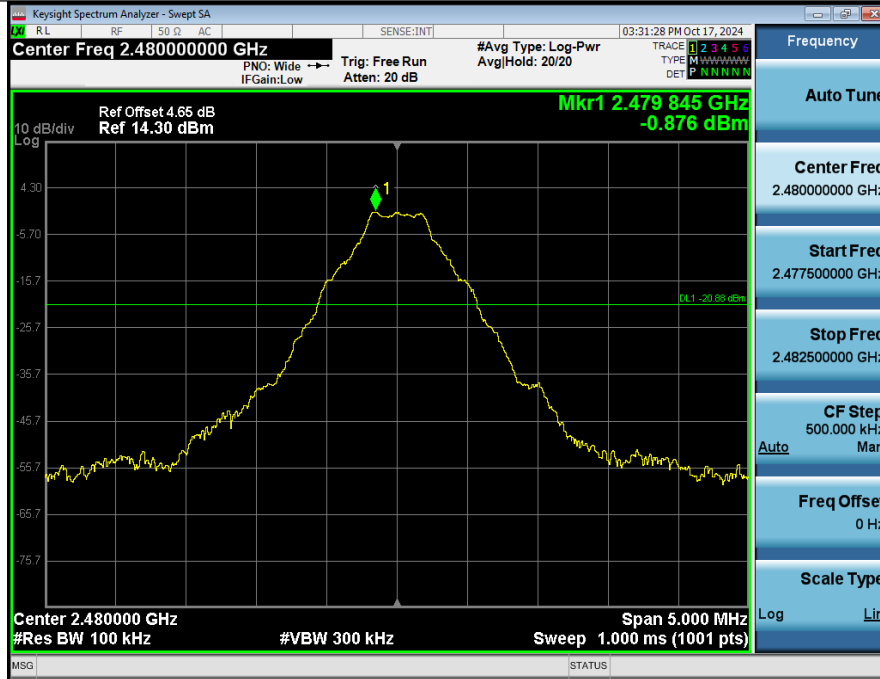
1 Reference_Level_NVNT_ANT1_1-DH1_2441_00



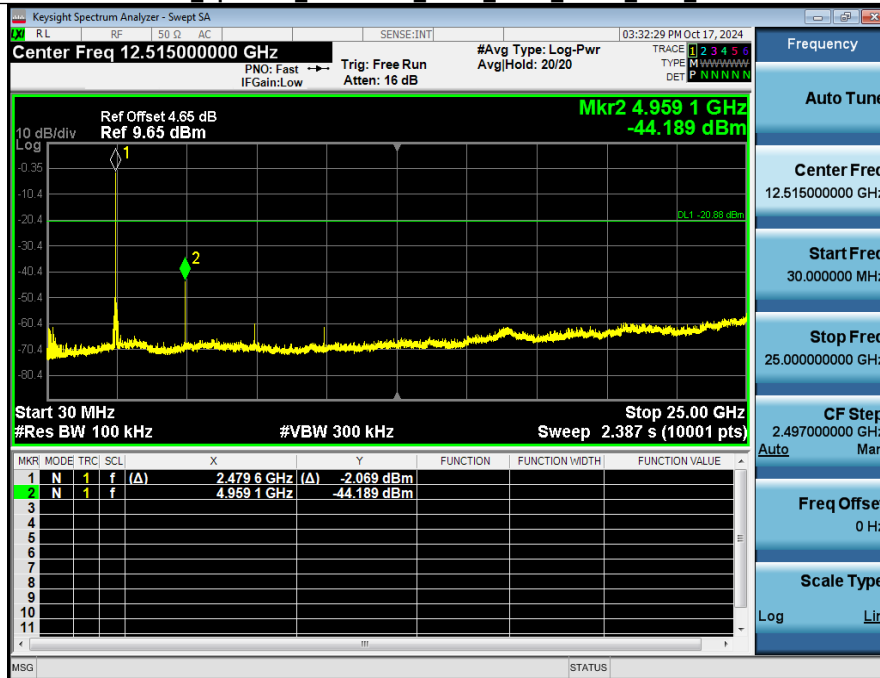
2 Spurious_Emissions_NVNT_ANT1_1-DH1_2441_00



1 Reference_Level_NVNT_ANT1_1-DH1_2480_00



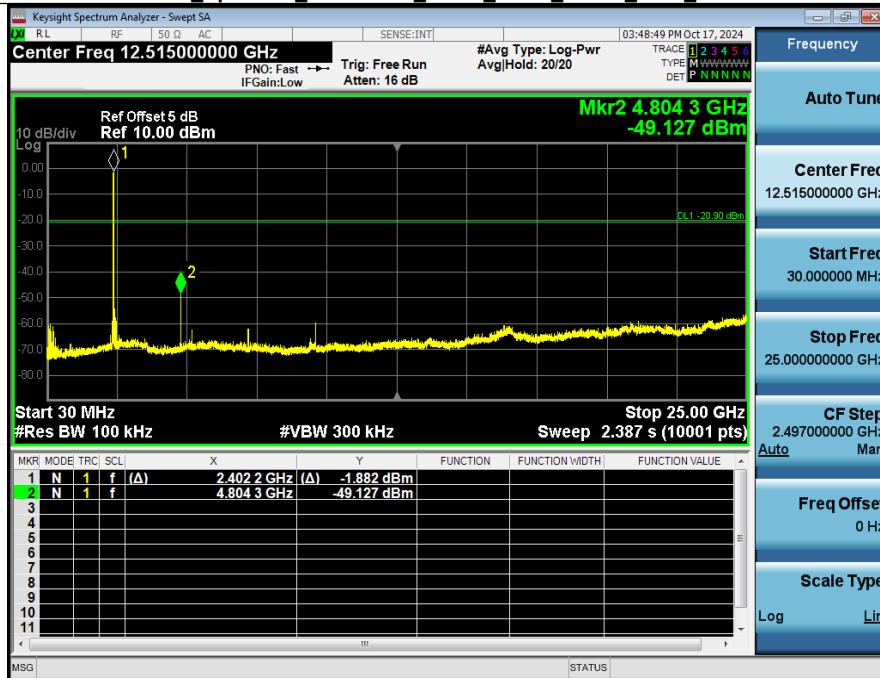
2 Spurious_Emissions_NVNT_ANT1_1-DH1_2480_00



1 Reference_Level_NVNT_ANT1_2-DH1_2402_00



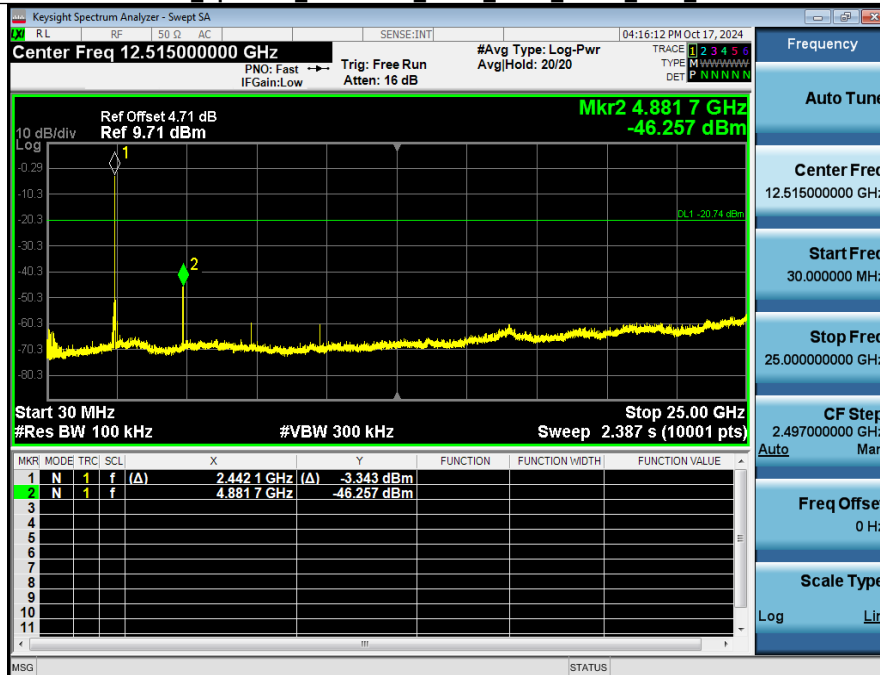
2 Spurious_Emissions_NVNT_ANT1_2-DH1_2402_00



1 Reference_Level_NVNT_ANT1_2-DH1_2441_00



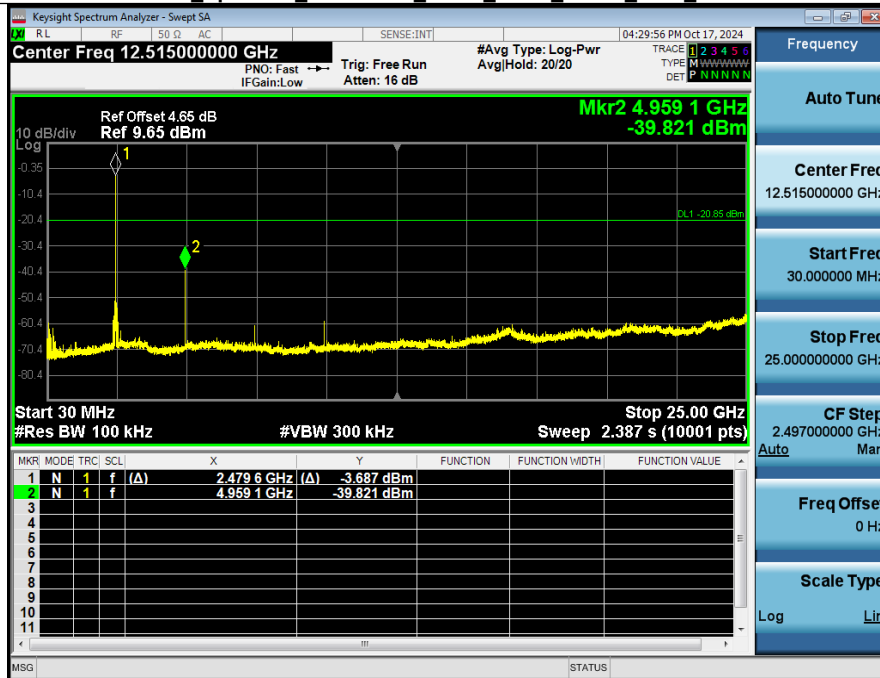
2 Spurious_Emissions_NVNT_ANT1_2-DH1_2441_00



1 Reference_Level_NVNT_ANT1_2-DH1_2480_00



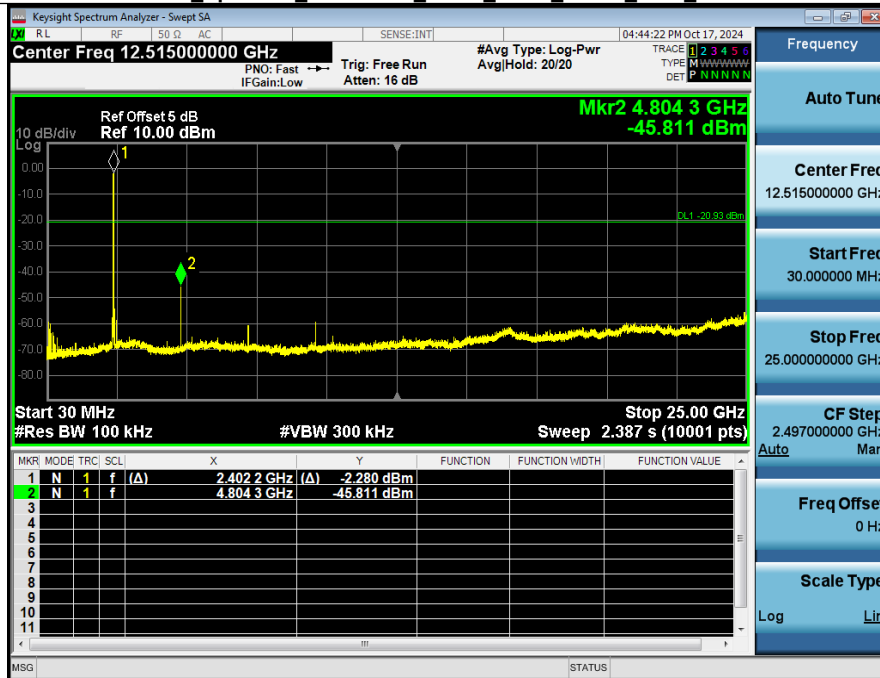
2 Spurious_Emissions_NVNT_ANT1_2-DH1_2480_00



1 Reference_Level_NVNT_ANT1_3-DH1_2402_00



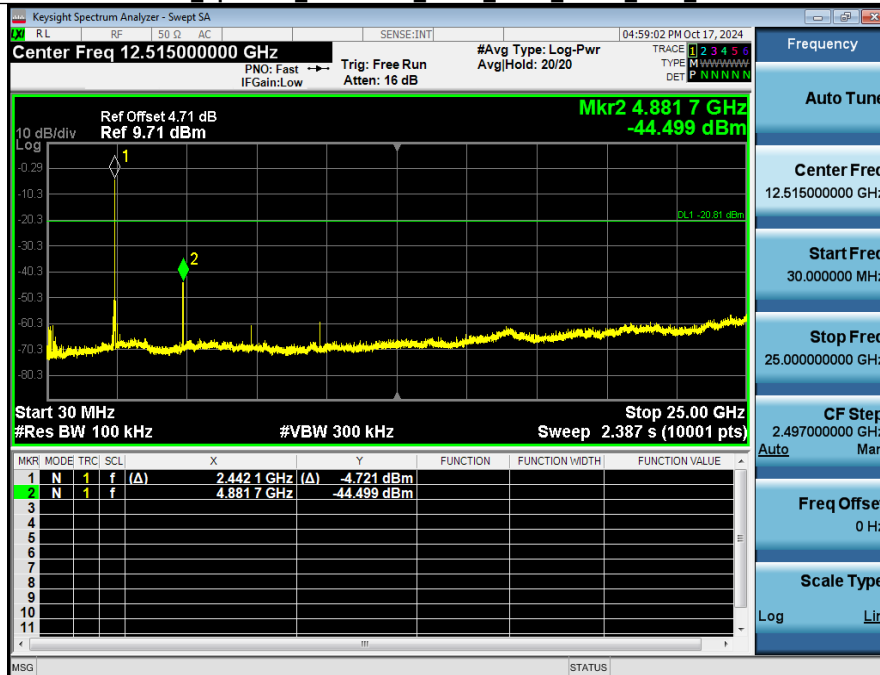
2 Spurious_Emissions_NVNT_ANT1_3-DH1_2402_00



1 Reference_Level_NVNT_ANT1_3-DH1_2441_00



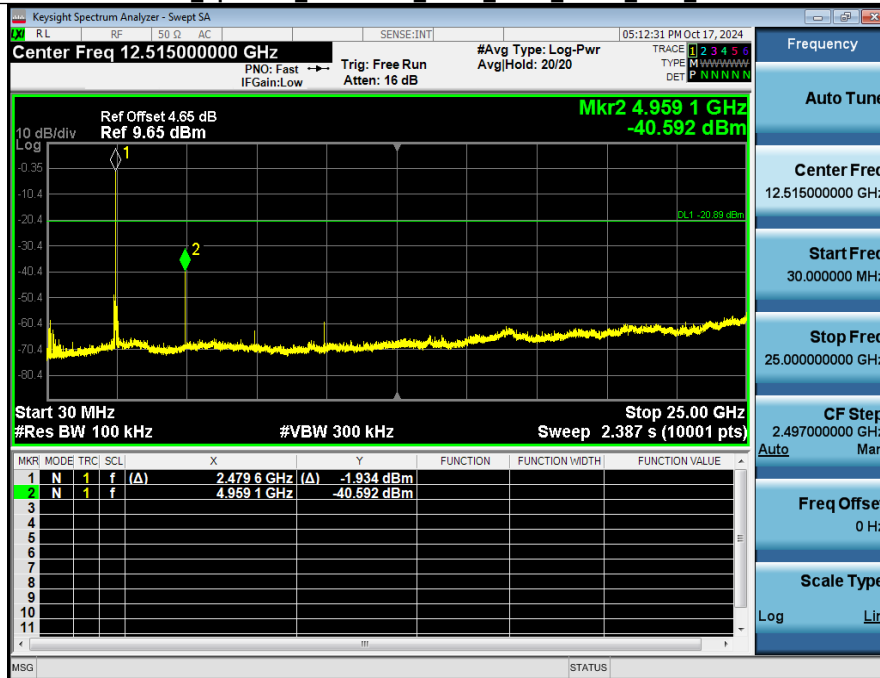
2 Spurious_Emissions_NVNT_ANT1_3-DH1_2441_00



1_Reference_Level_NVNT_ANT1_3-DH1_2480_00

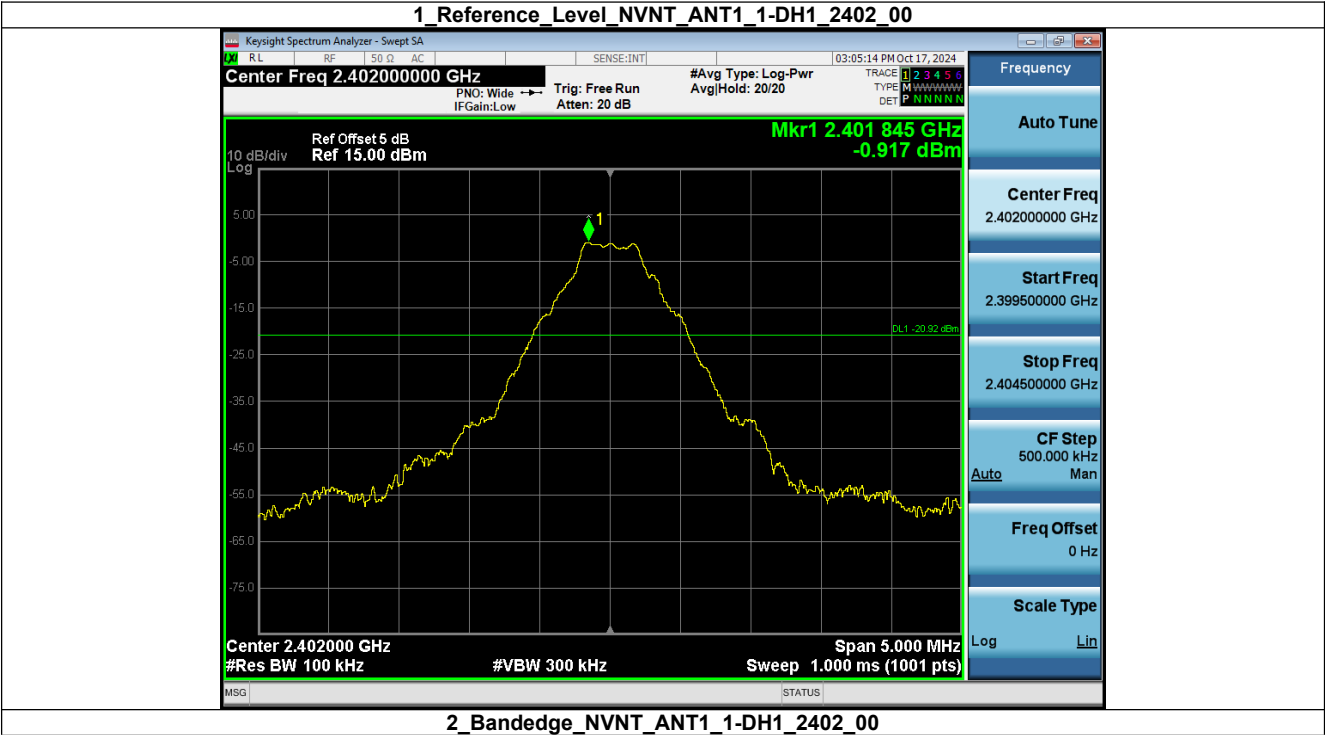


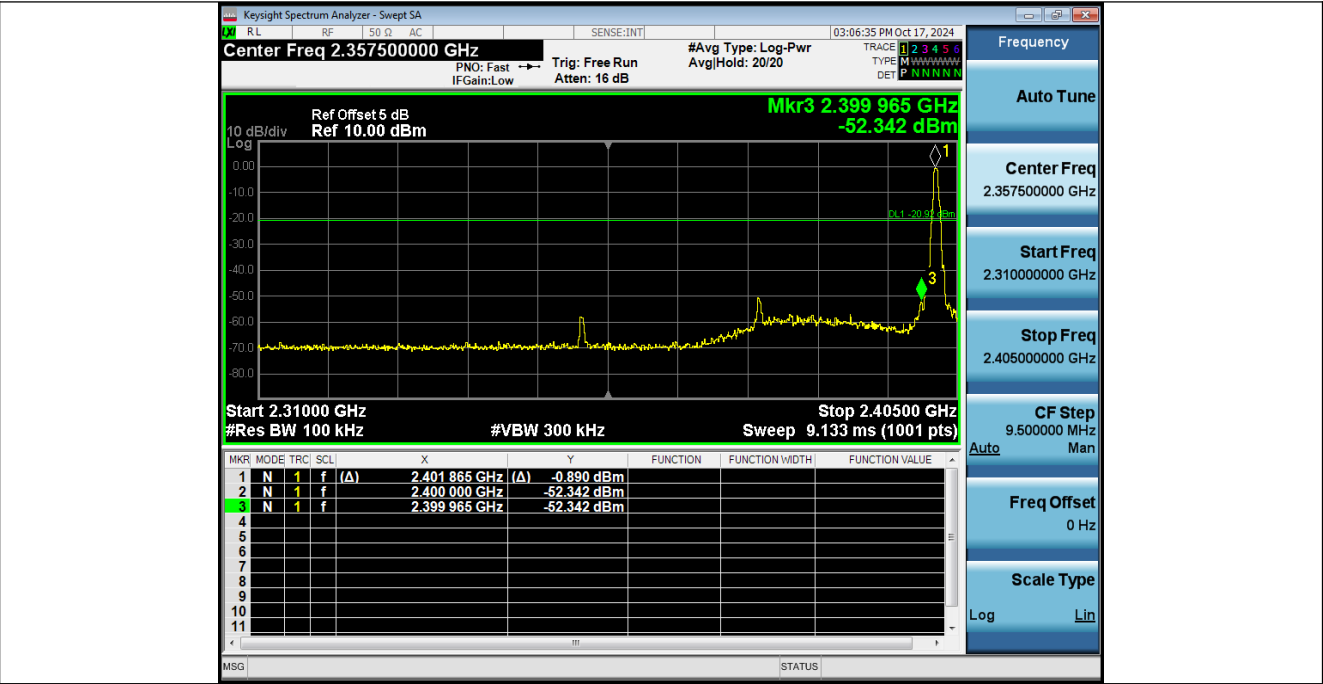
2_Spurious_Emissions_NVNT_ANT1_3-DH1_2480_00



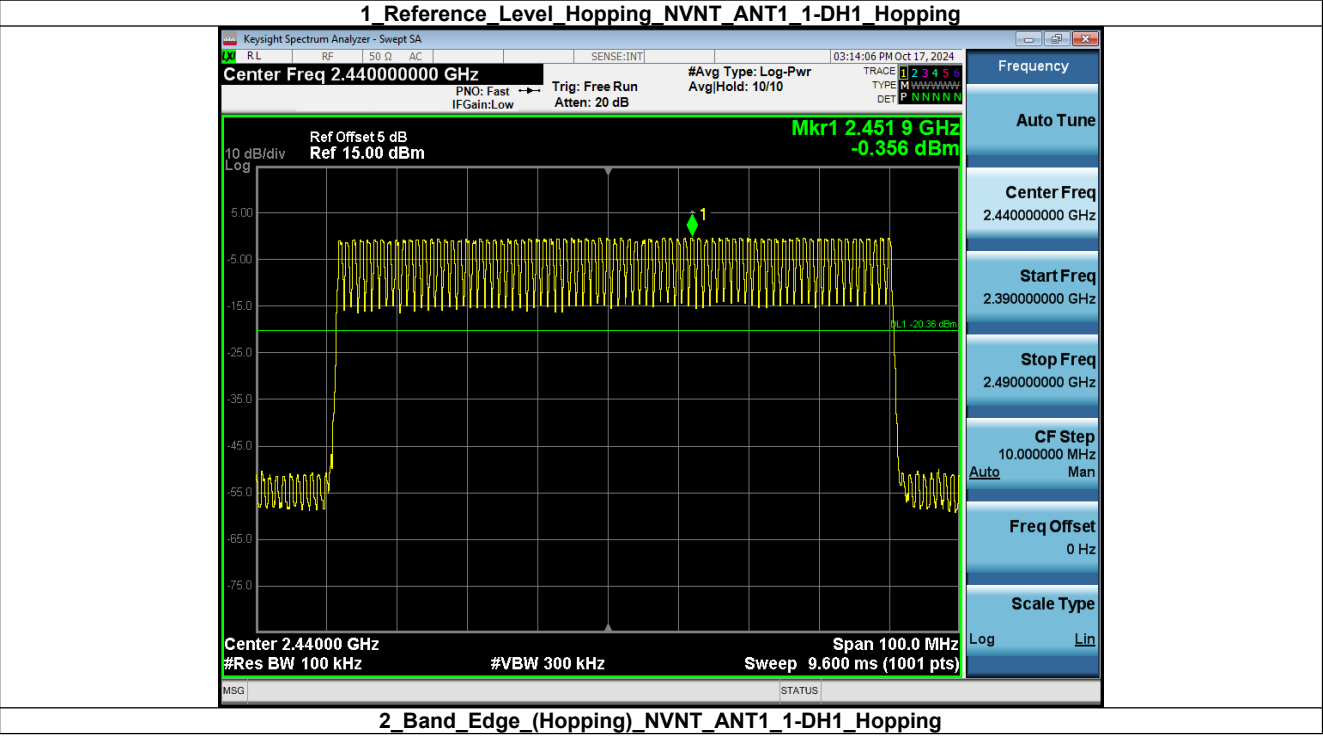
6. Bandedge

Condition	Antenna	Modulation	TX Mode	Bandedge MAX.Value	Limit	Result
NVNT	ANT1	1-DH1	2402.00	-52.342	-20.917	Pass
NVNT	ANT1	1-DH1	Hopping_LCH	-50.344	-20.356	Pass
NVNT	ANT1	1-DH1	2480.00	-57.622	-20.876	Pass
NVNT	ANT1	1-DH1	Hopping_HCH	-50.397	-20.683	Pass
NVNT	ANT1	2-DH1	2402.00	-51.760	-20.900	Pass
NVNT	ANT1	2-DH1	Hopping_LCH	-50.383	-20.340	Pass
NVNT	ANT1	2-DH1	2480.00	-56.109	-20.845	Pass
NVNT	ANT1	2-DH1	Hopping_HCH	-50.598	-20.667	Pass
NVNT	ANT1	3-DH1	2402.00	-54.880	-20.930	Pass
NVNT	ANT1	3-DH1	Hopping_LCH	-51.004	-20.357	Pass
NVNT	ANT1	3-DH1	2480.00	-56.218	-20.888	Pass
NVNT	ANT1	3-DH1	Hopping_HCH	-50.403	-20.689	Pass

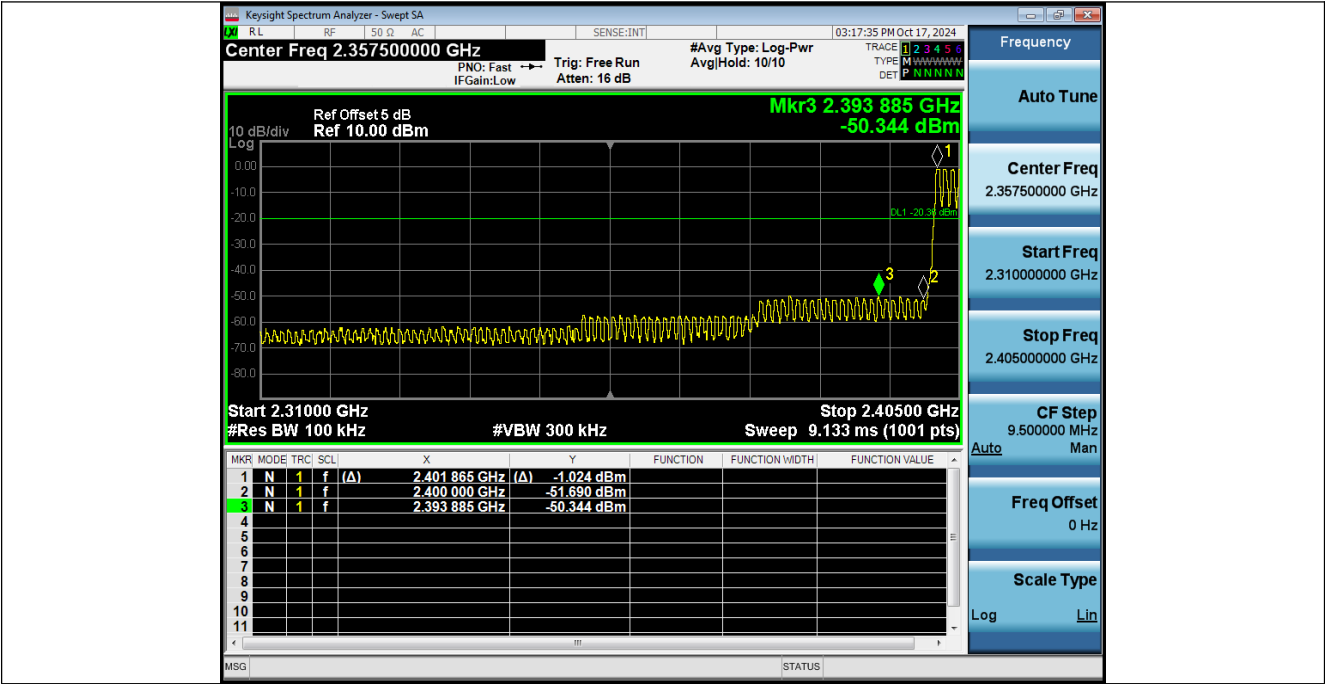




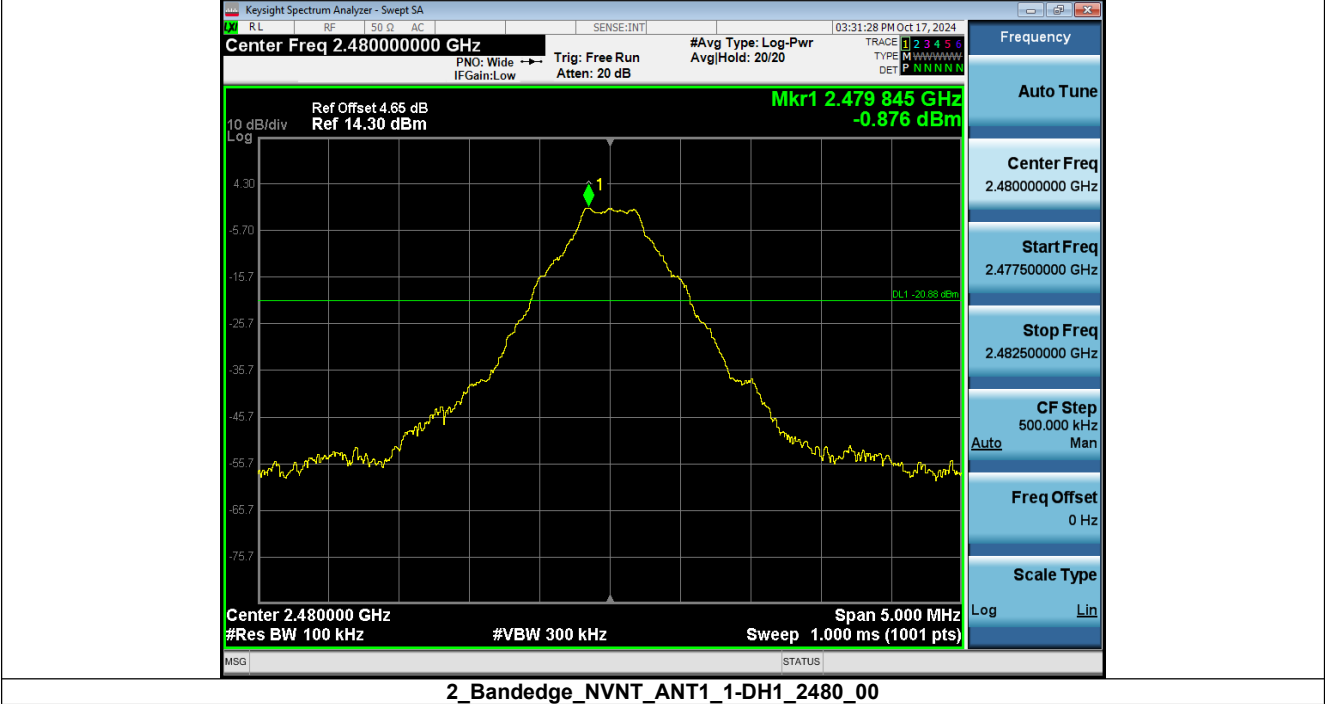
1 Reference_Level_Hopping_NVNT_ANT1_1-DH1_Hopping



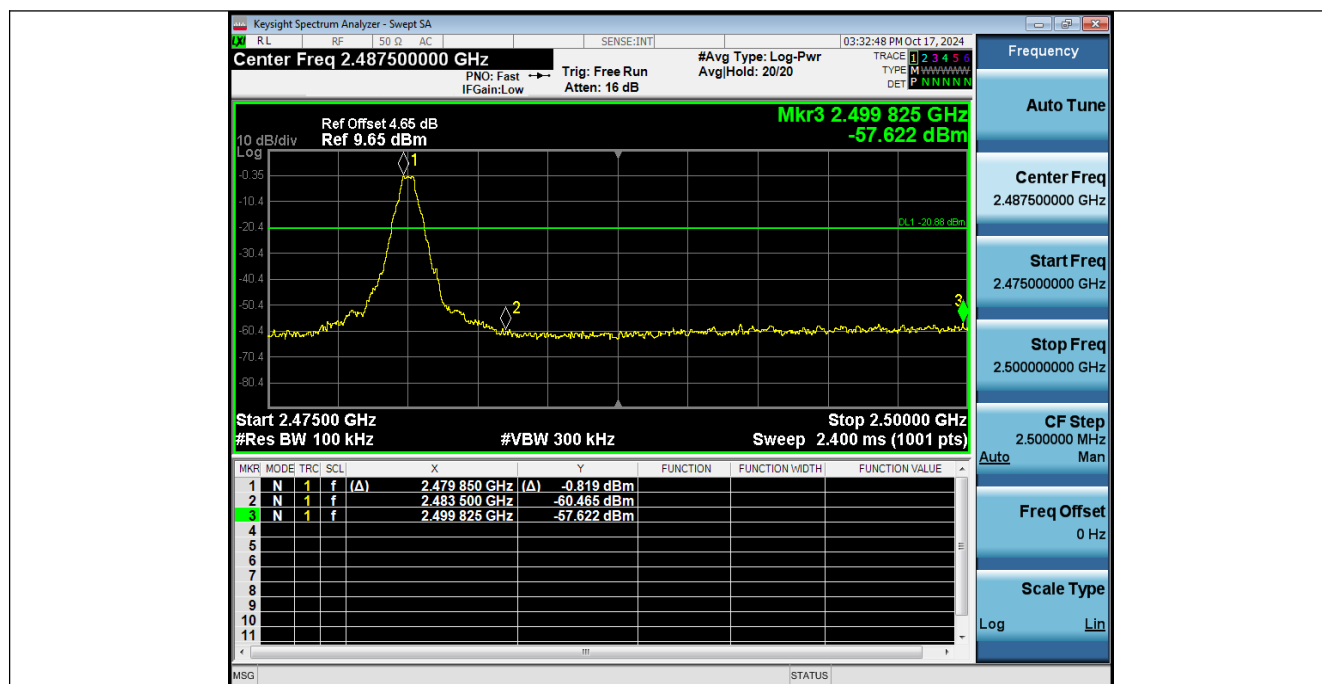
2_Band_Edge_(Hopping)_NVNT_ANT1_1-DH1_Hopping



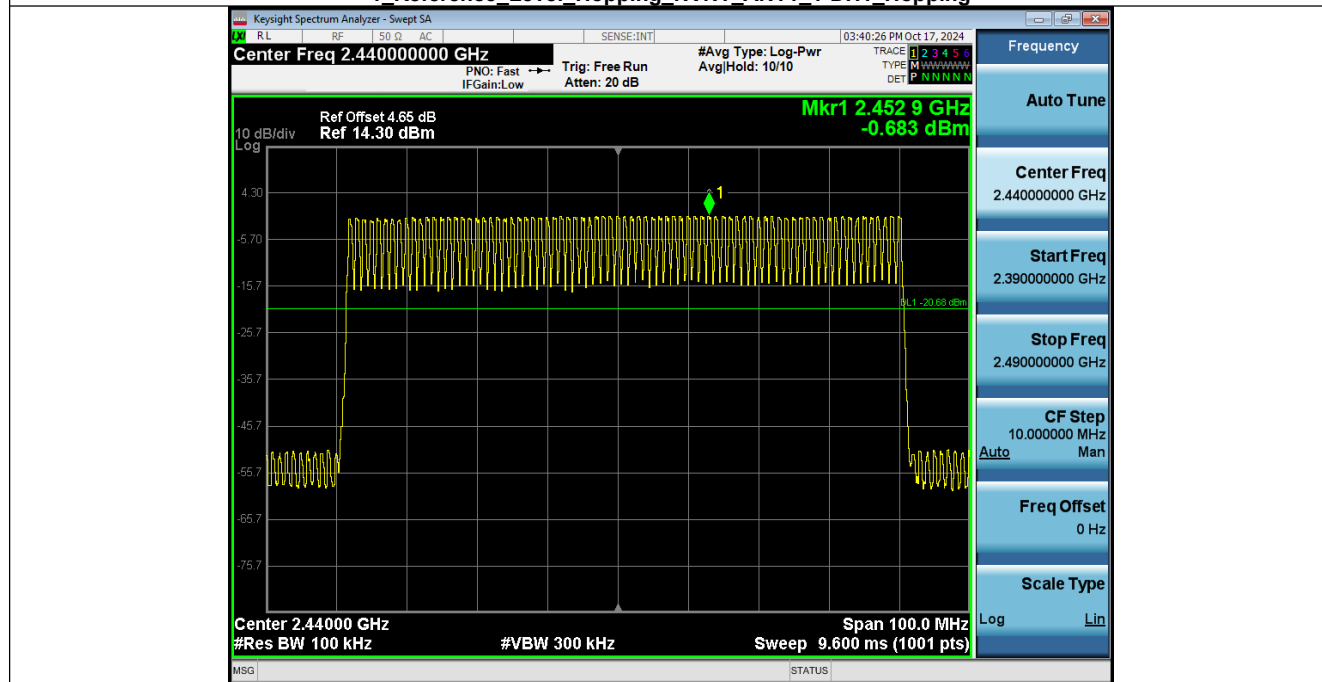
1 Reference Level NVNT ANT1 1-DH1 2480 00



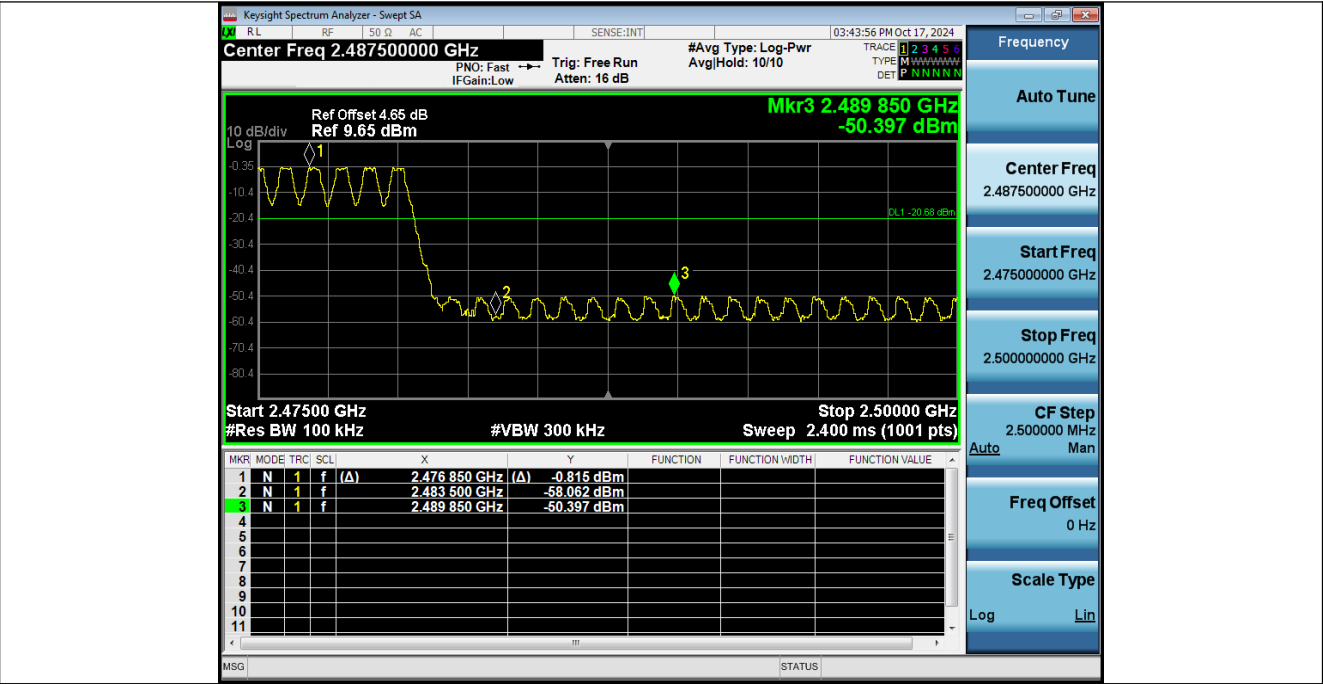
2_Bandedge_NVNT_ANT1_1-DH1_2480_00



1 Reference_Level_Hopping_NVNT_ANT1_1-DH1_Hopping



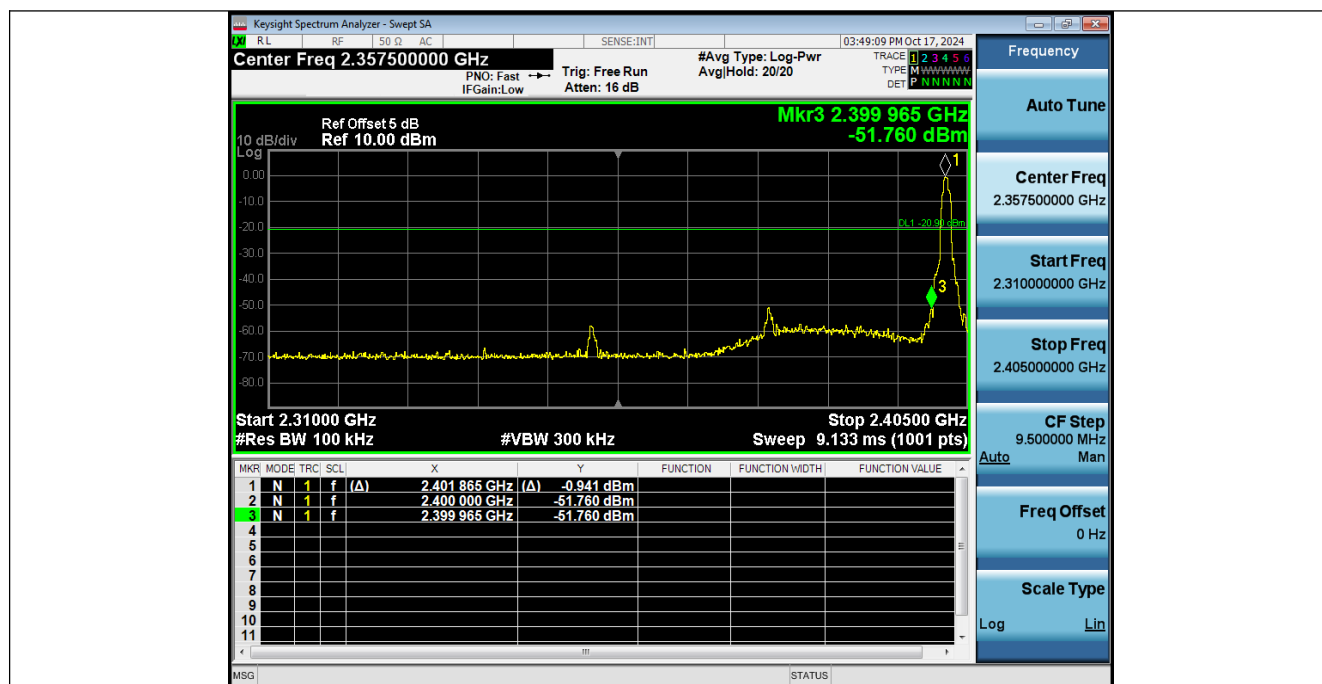
2_Band_Edge_(Hopping)_NVNT_ANT1_1-DH1_Hopping



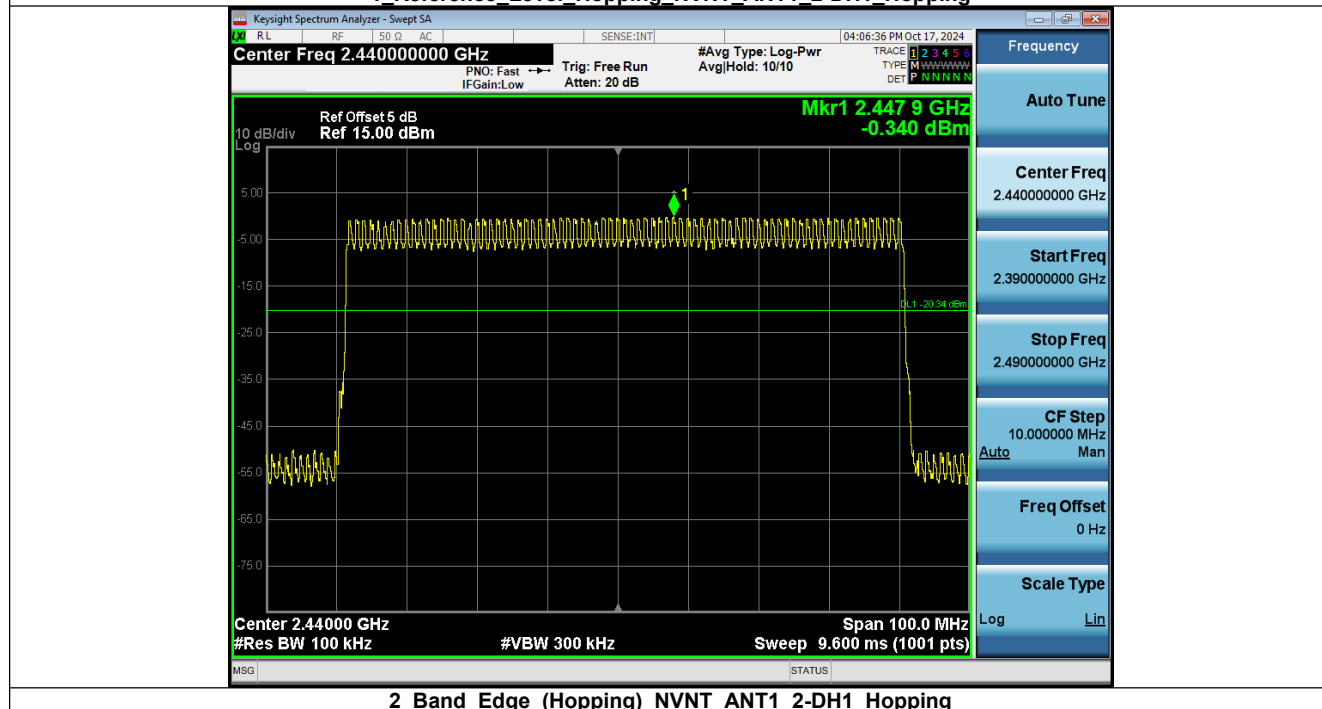
1_Reference_Level_NVNT_ANT1_2-DH1_2402_00

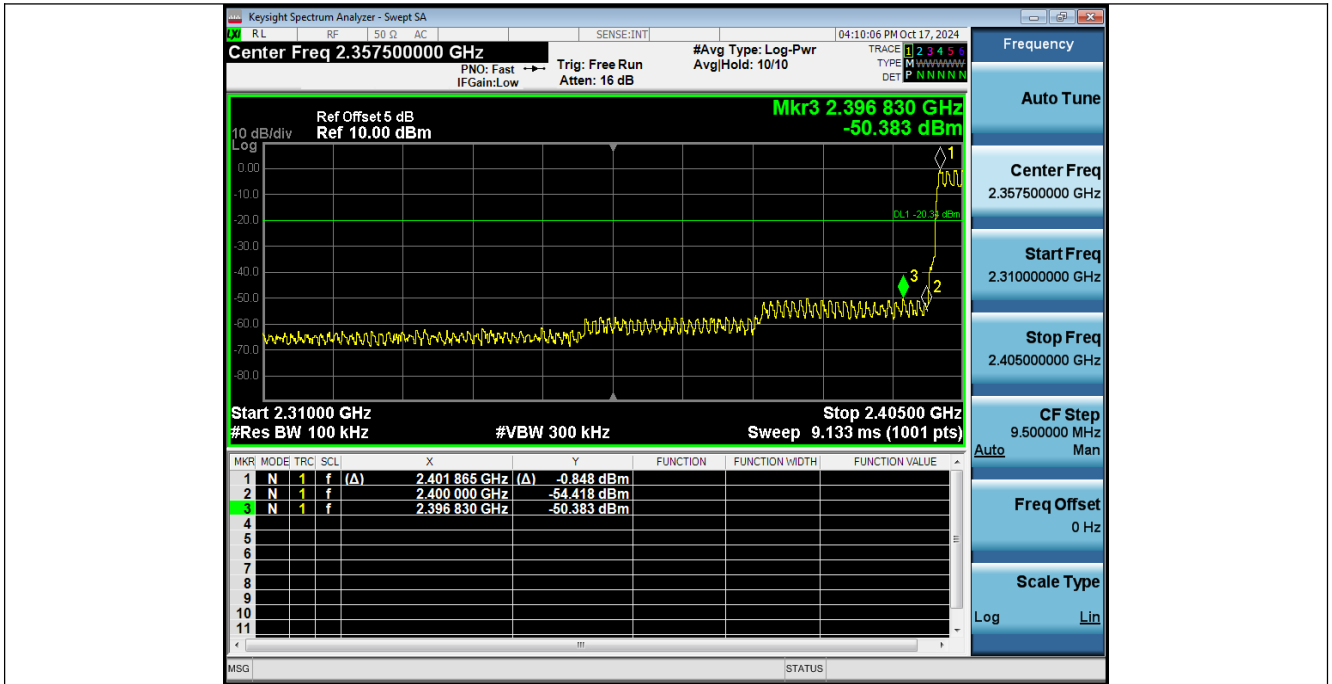


2_Bandedge_NVNT_ANT1_2-DH1_2402_00

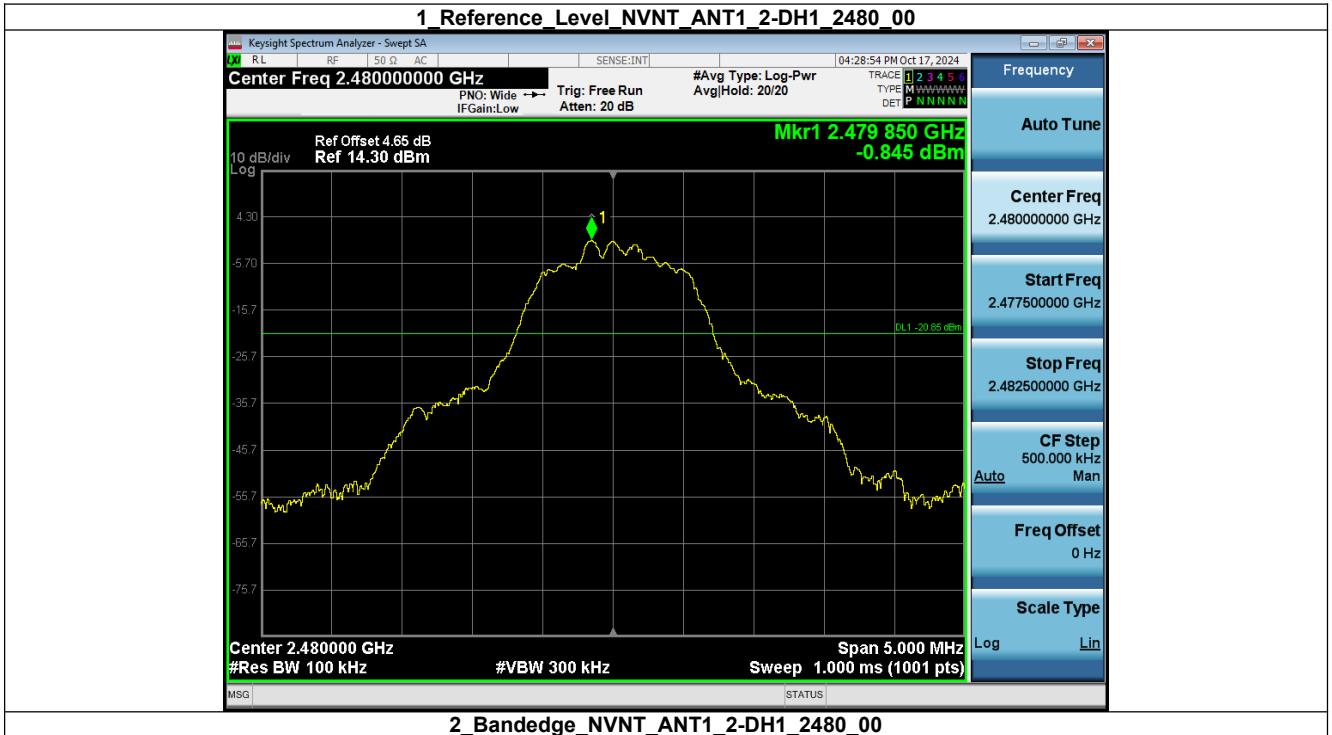


1 Reference_Level_Hopping_NVNT_ANT1_2-DH1_Hopping

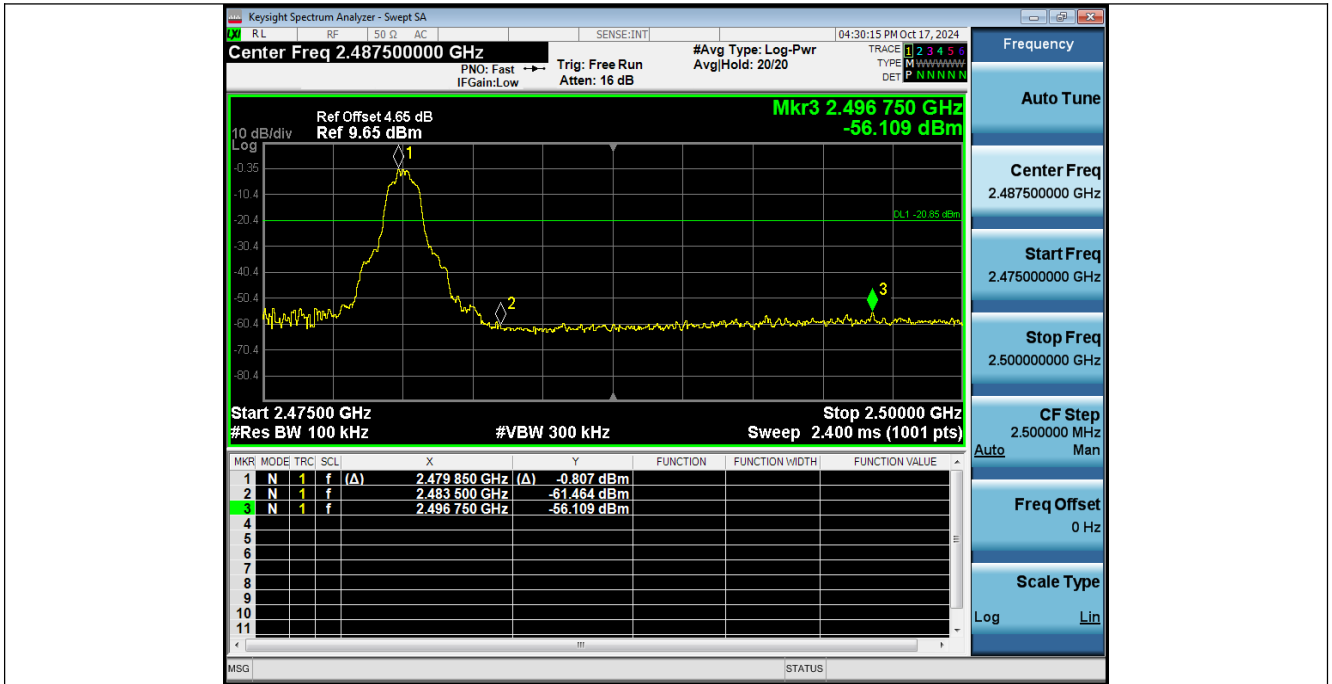




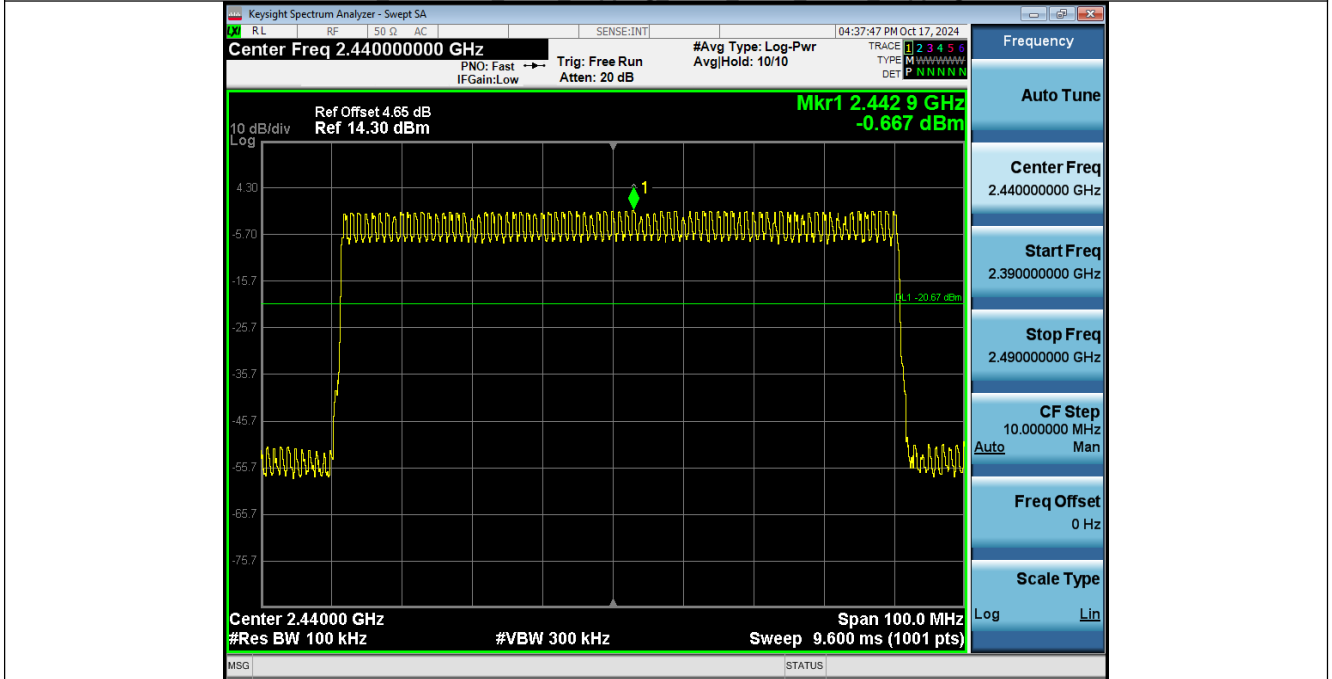
1_Reference_Level_NVNT_ANT1_2-DH1_2480_00



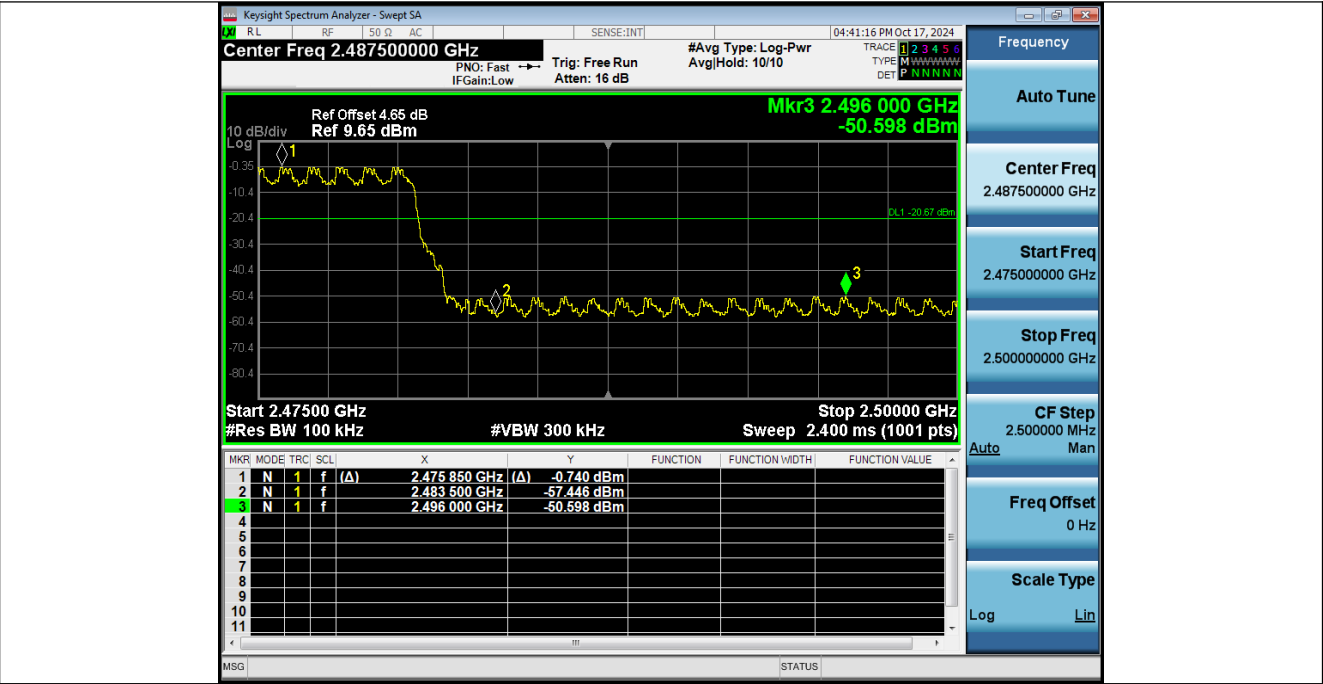
2_Bandedge_NVNT_ANT1_2-DH1_2480_00



1 Reference_Level_Hopping_NVNT_ANT1_2-DH1_Hopping



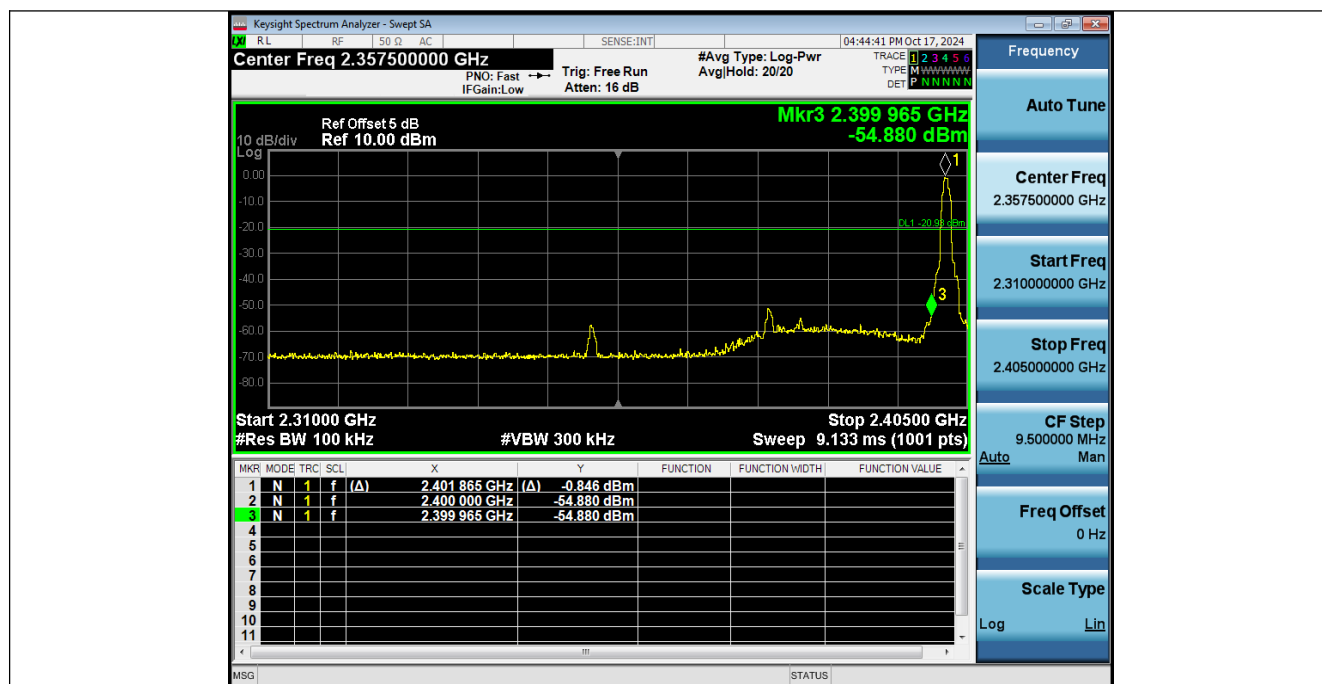
2_Band_Edge_(Hopping)_NVNT_ANT1_2-DH1_Hopping



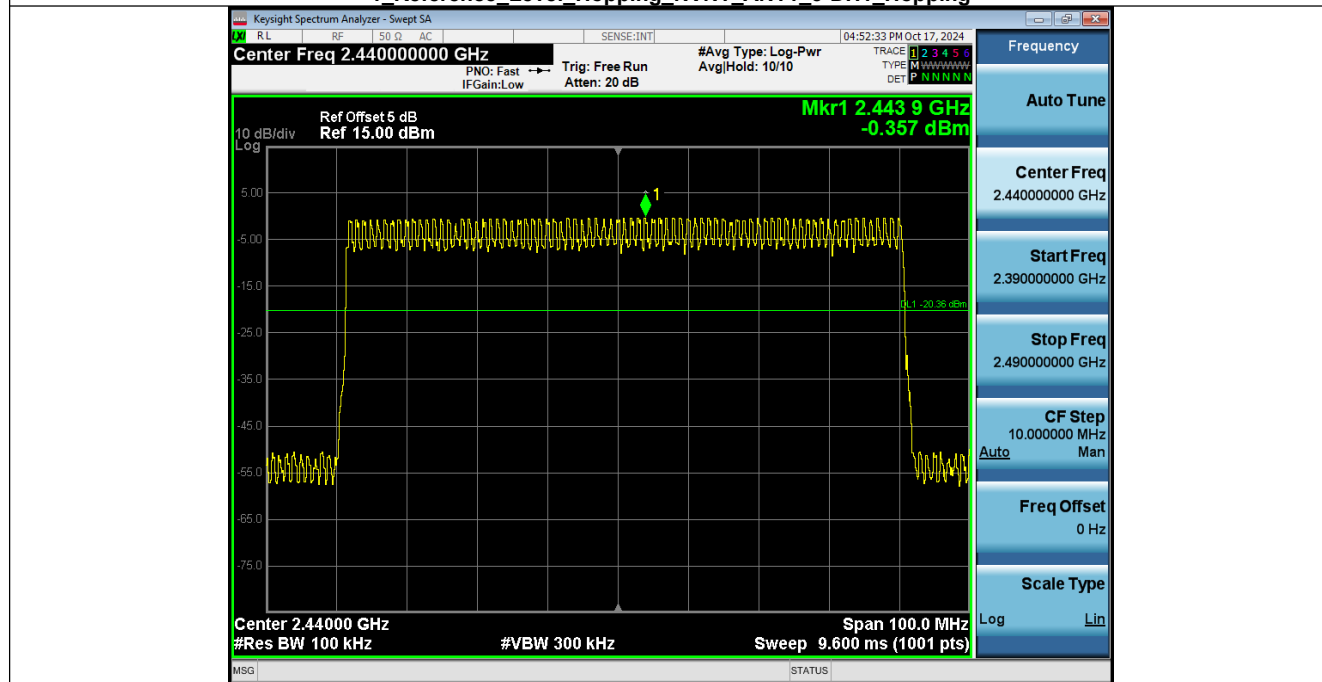
1 Reference_Level_NVNT_ANT1_3-DH1_2402_00



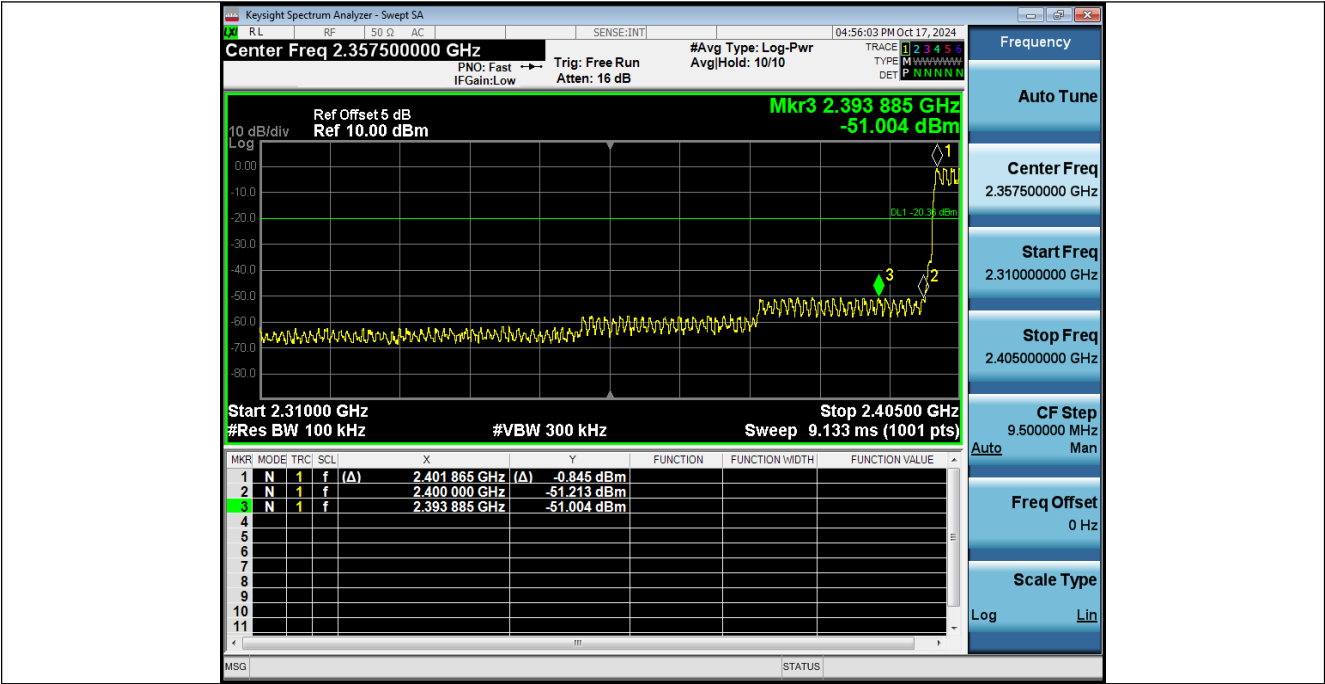
2_Bandedge_NVNT_ANT1_3-DH1_2402_00



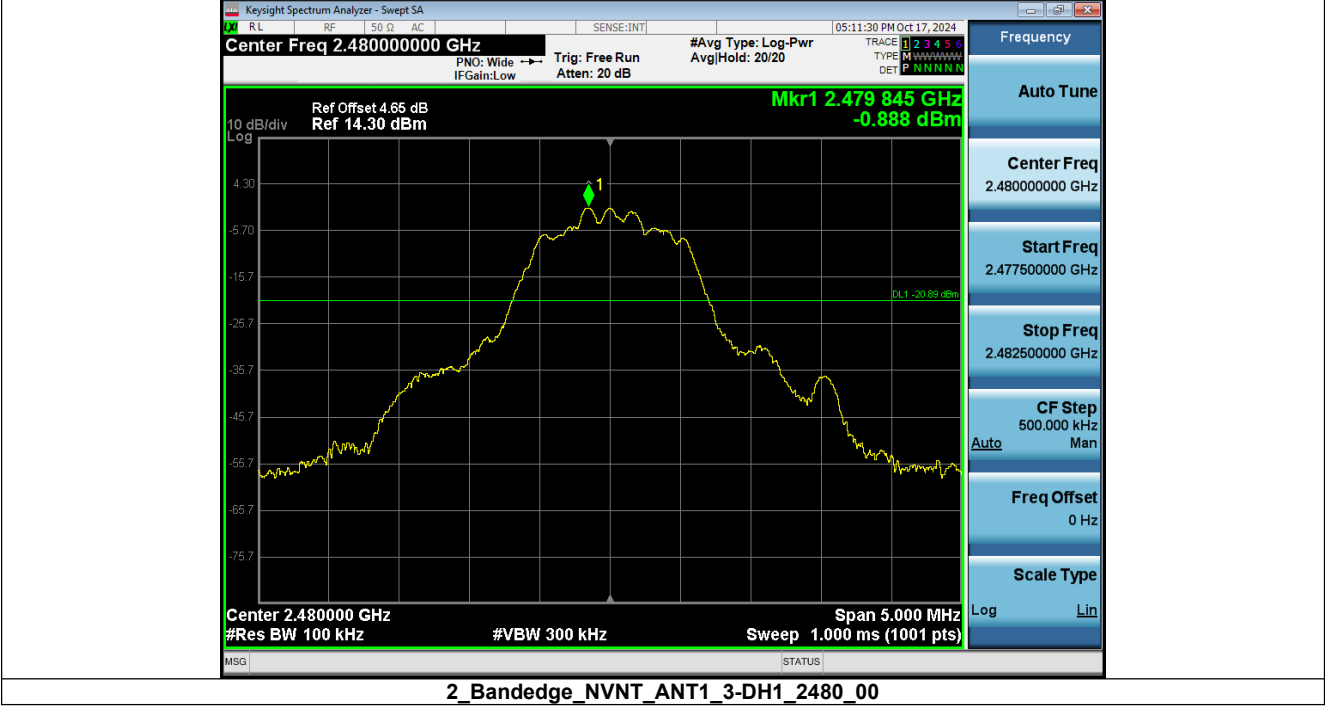
1 Reference_Level_Hopping_NVNT_ANT1_3-DH1_Hopping



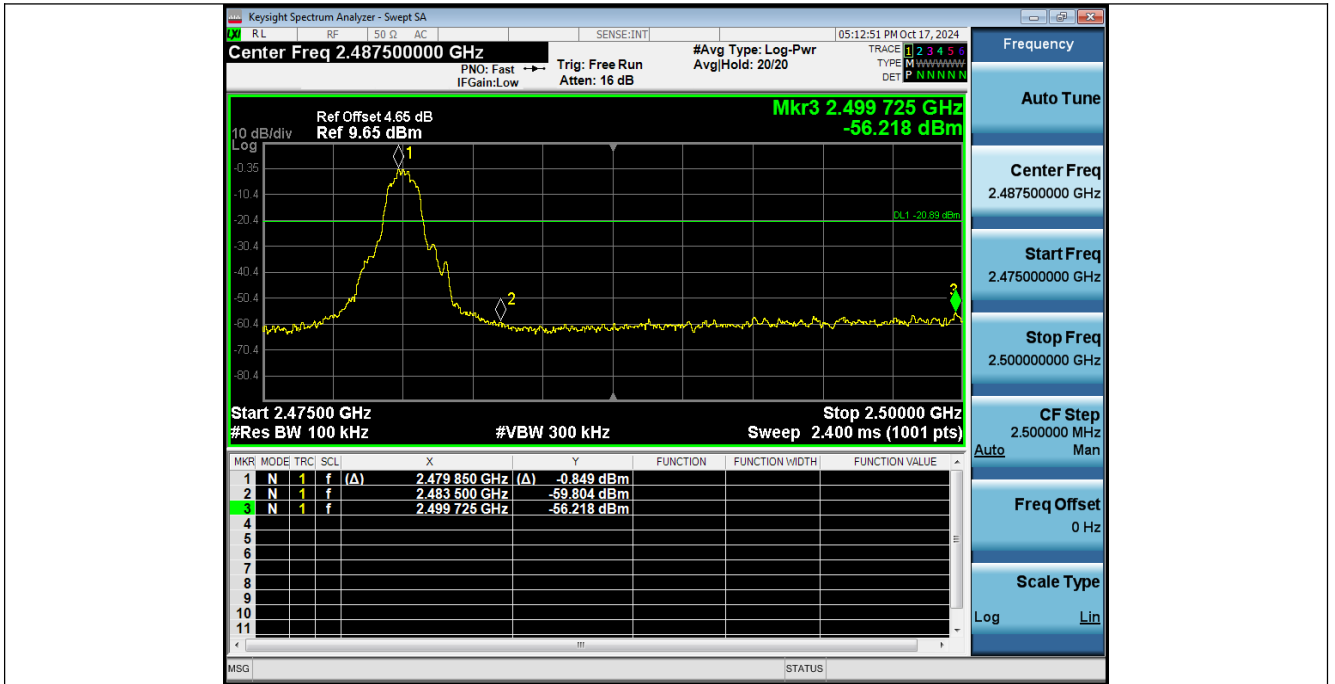
2_Band_Edge_(Hopping)_NVNT_ANT1_3-DH1_Hopping



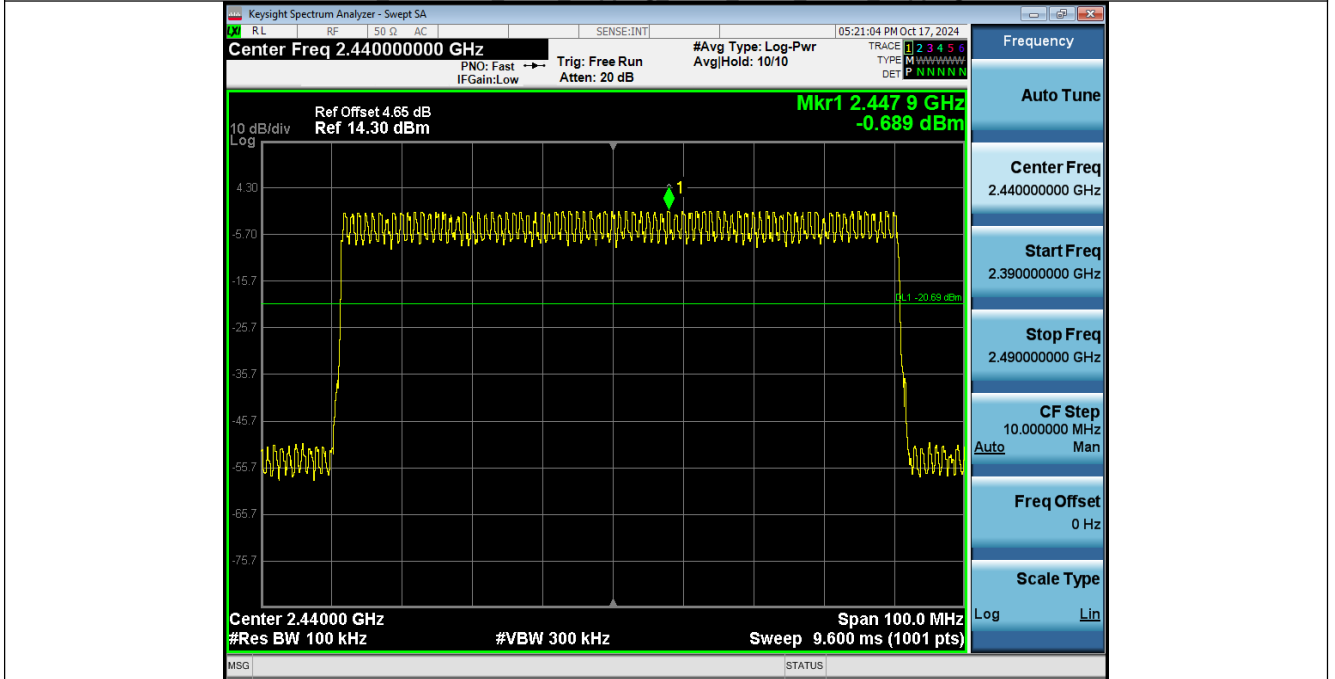
1 Reference Level NVNT ANT1 3-DH1 2480 00



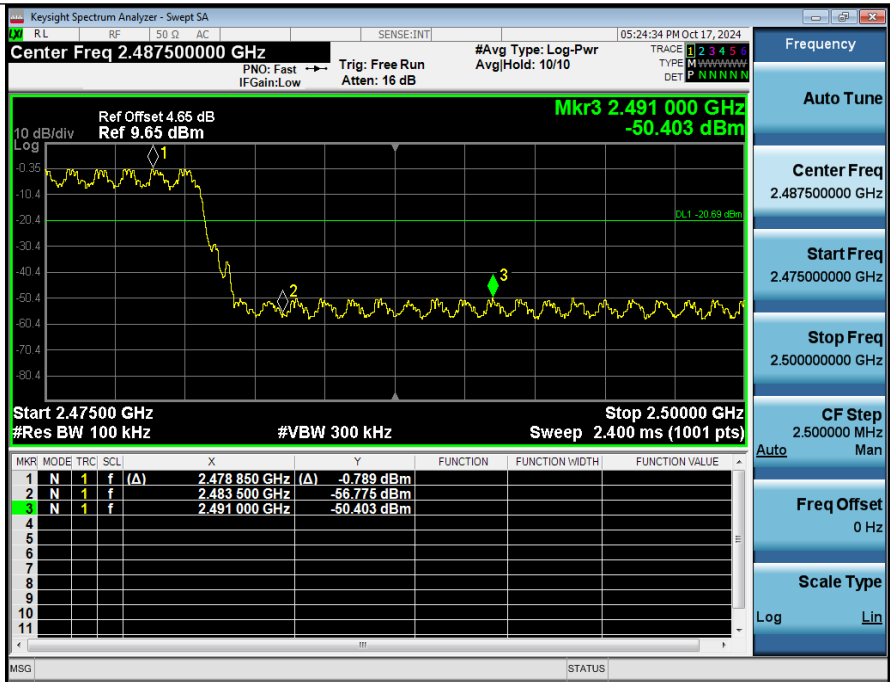
2_Bandedge_NVNT_ANT1_3-DH1_2480_00



1 Reference_Level_Hopping_NVNT_ANT1_3-DH1_Hopping

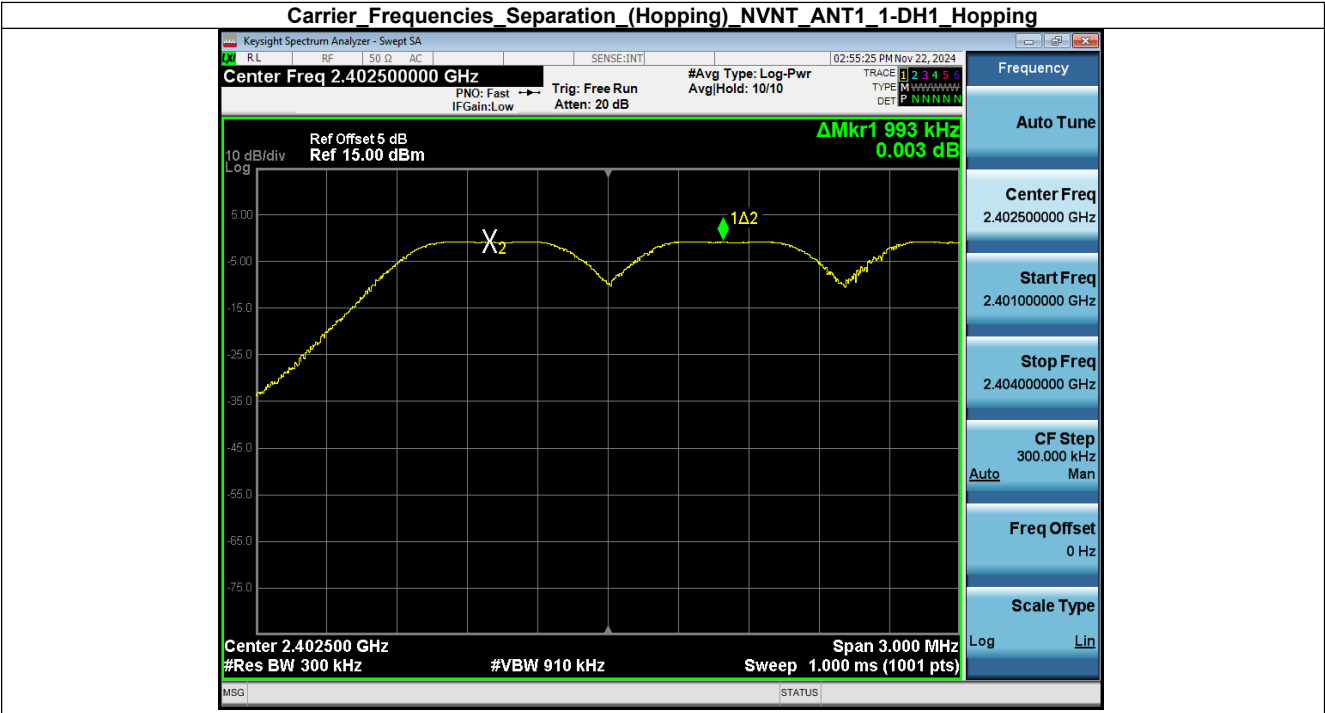


2_Band_Edge_(Hopping)_NVNT_ANT1_3-DH1_Hopping

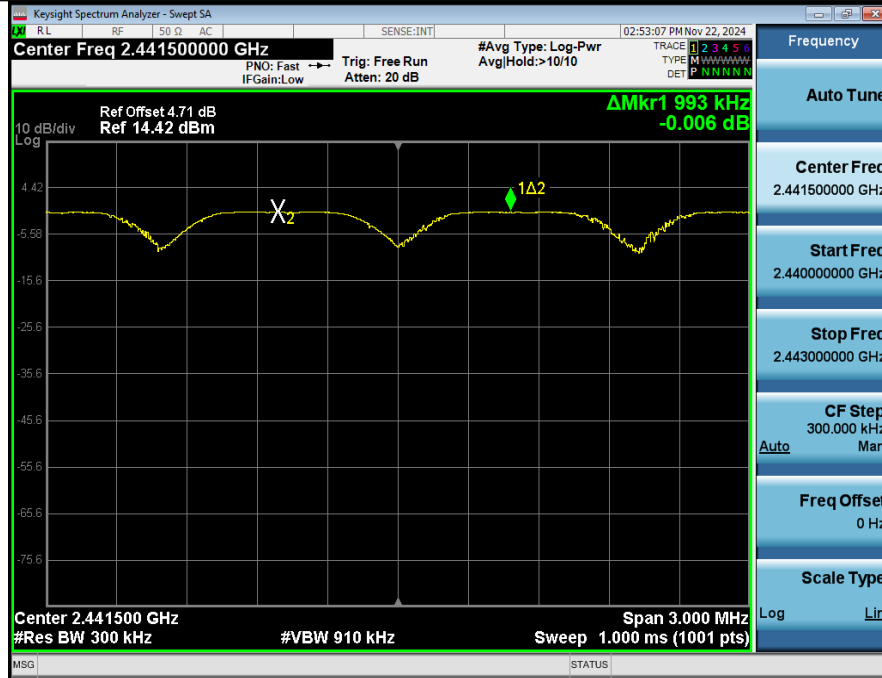


7. Carrier Frequencies Separation (Hopping)

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	2401.996	2402.989	0.99	0.669	Pass
NVNT	ANT1	1-DH1	2441.00	2440.987	2441.980	0.99	0.688	Pass
NVNT	ANT1	1-DH1	2480.00	2478.978	2479.986	1.01	0.693	Pass
NVNT	ANT1	2-DH1	2402.00	2401.990	2402.992	1.00	0.865	Pass
NVNT	ANT1	2-DH1	2441.00	2440.993	2441.989	1.00	0.866	Pass
NVNT	ANT1	2-DH1	2480.00	2478.990	2479.983	0.99	0.861	Pass
NVNT	ANT1	3-DH1	2402.00	2401.981	2402.986	1.00	0.841	Pass
NVNT	ANT1	3-DH1	2441.00	2440.984	2441.983	1.00	0.837	Pass
NVNT	ANT1	3-DH1	2480.00	2478.993	2479.989	1.00	0.843	Pass



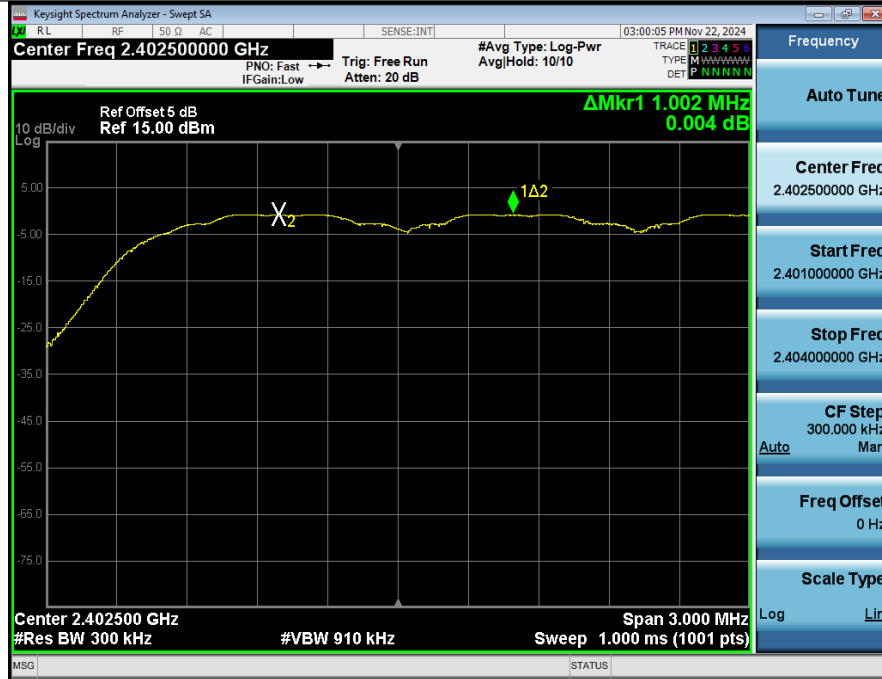
Carrier_Frequencies_Separation_(Hopping)_NVNT_ANT1_1-DH1_Hopping



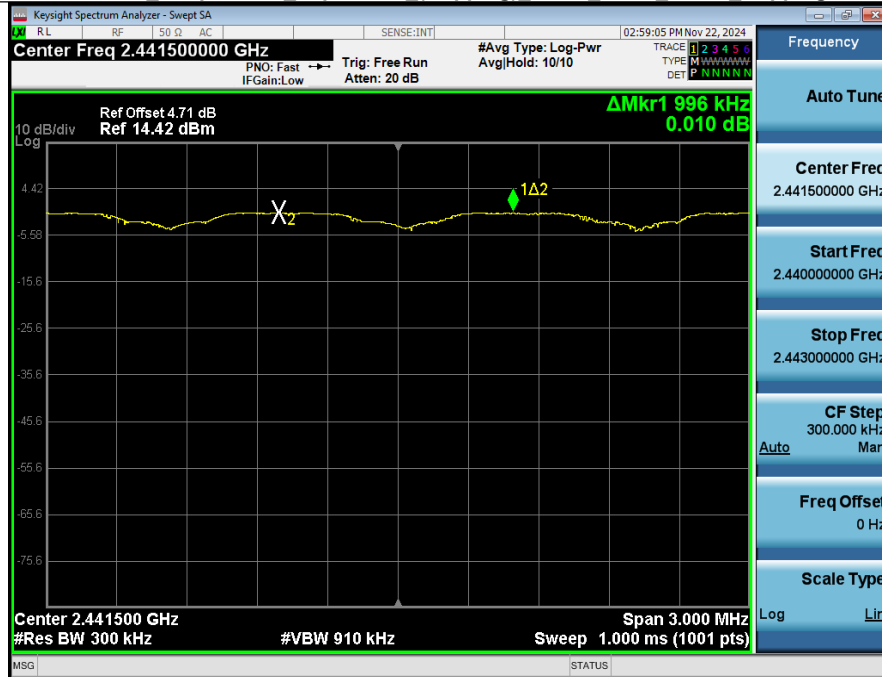
Carrier_Frequencies_Separation_(Hopping)_NVNT_ANT1_1-DH1_Hopping



Carrier_Frequencies_Separation_(Hopping)_NVNT_ANT1_2-DH1_Hopping



Carrier_Frequencies_Separation_(Hopping)_NVNT_ANT1_2-DH1_Hopping



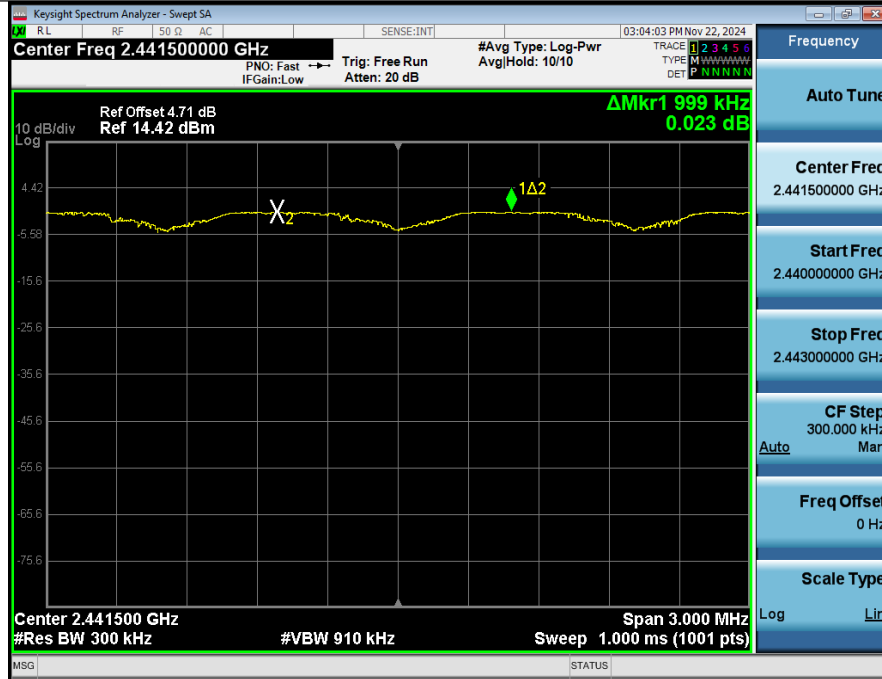
Carrier_Frequencies_Separation_(Hopping)_NVNT_ANT1_2-DH1_Hopping



Carrier_Frequencies_Separation_(Hopping)_NVNT_ANT1_3-DH1_Hopping



Carrier_Frequencies_Separation_(Hopping)_NVNT_ANT1_3-DH1_Hopping

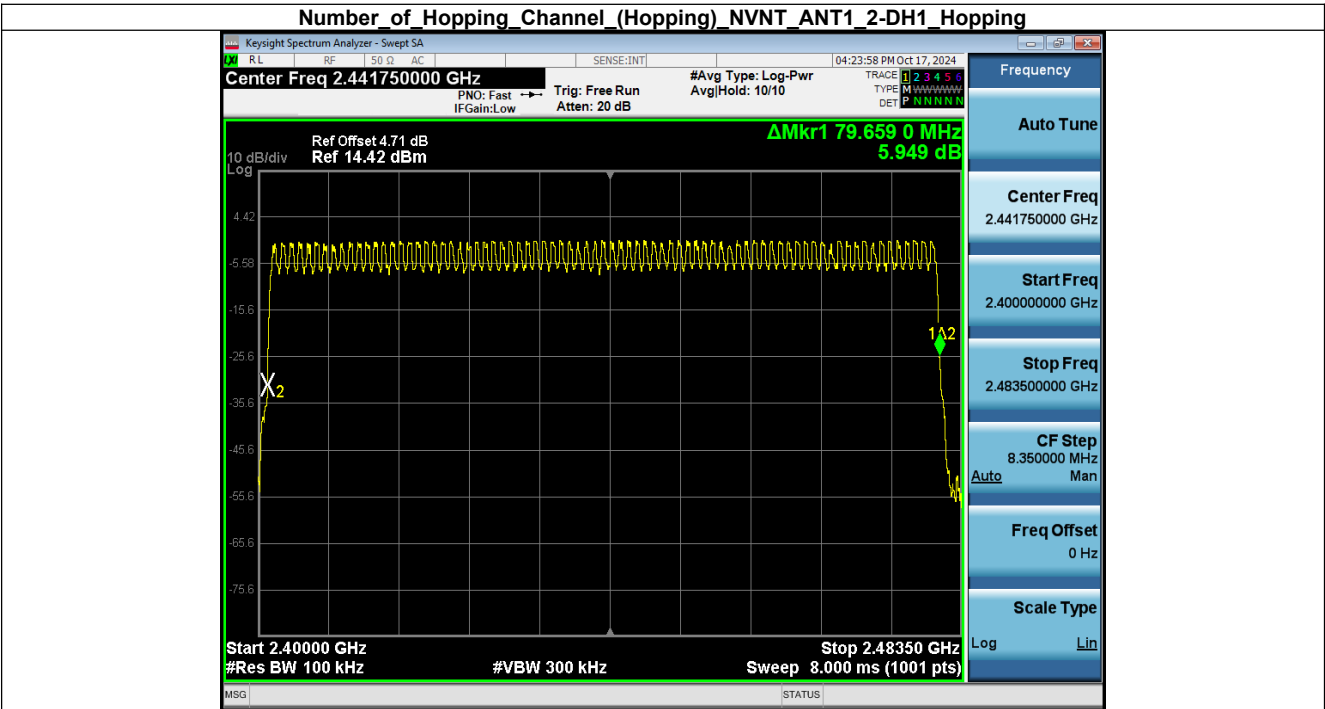
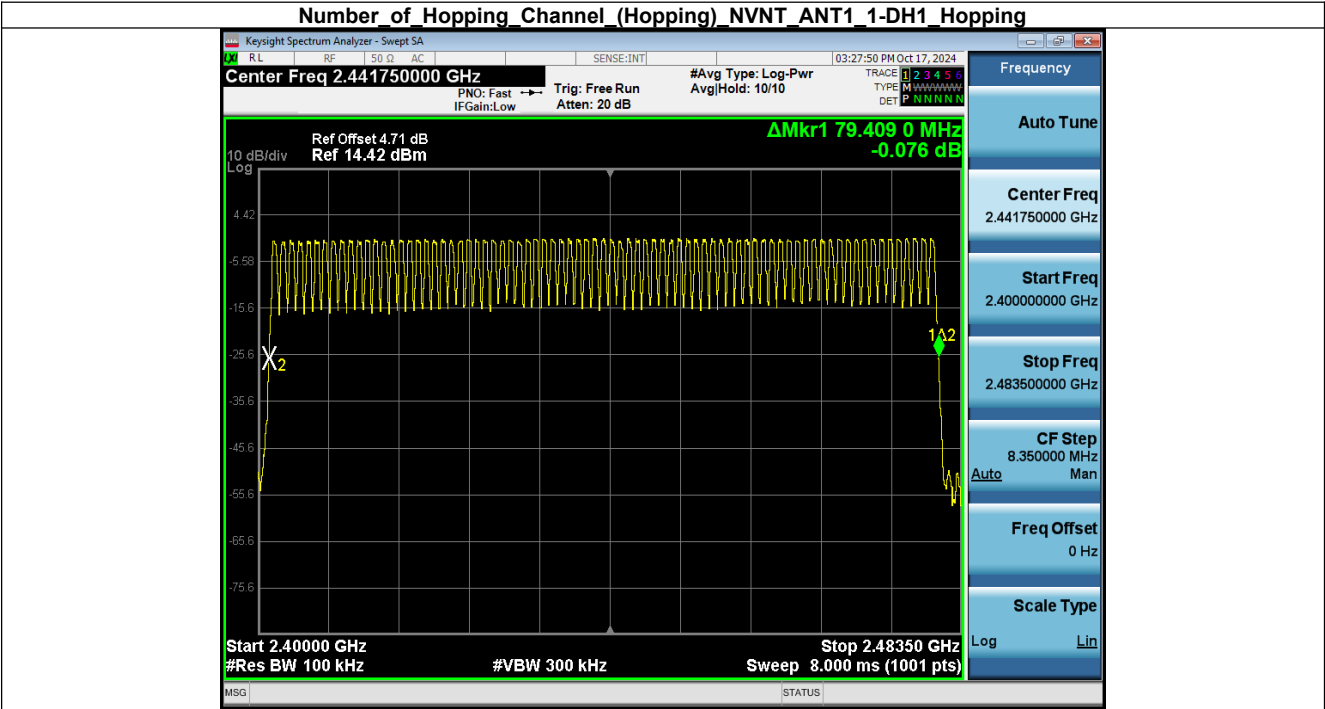


Carrier_Frequencies_Separation_(Hopping)_NVNT_ANT1_3-DH1_Hopping

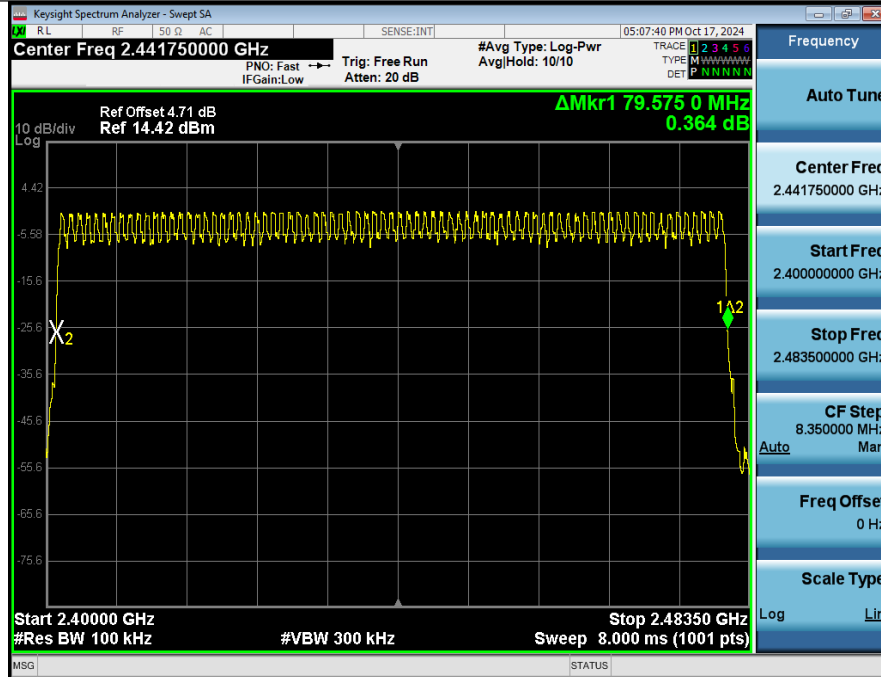


8. Number of Hopping Channel (Hopping)

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

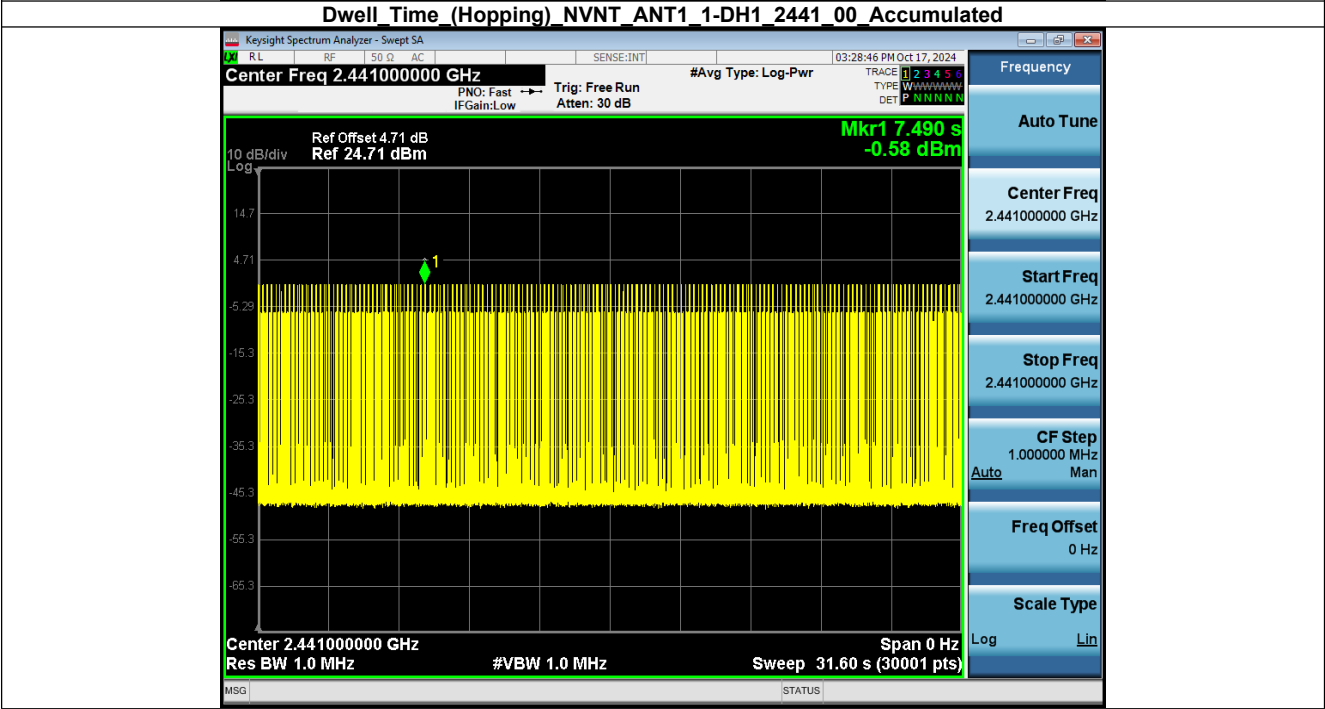
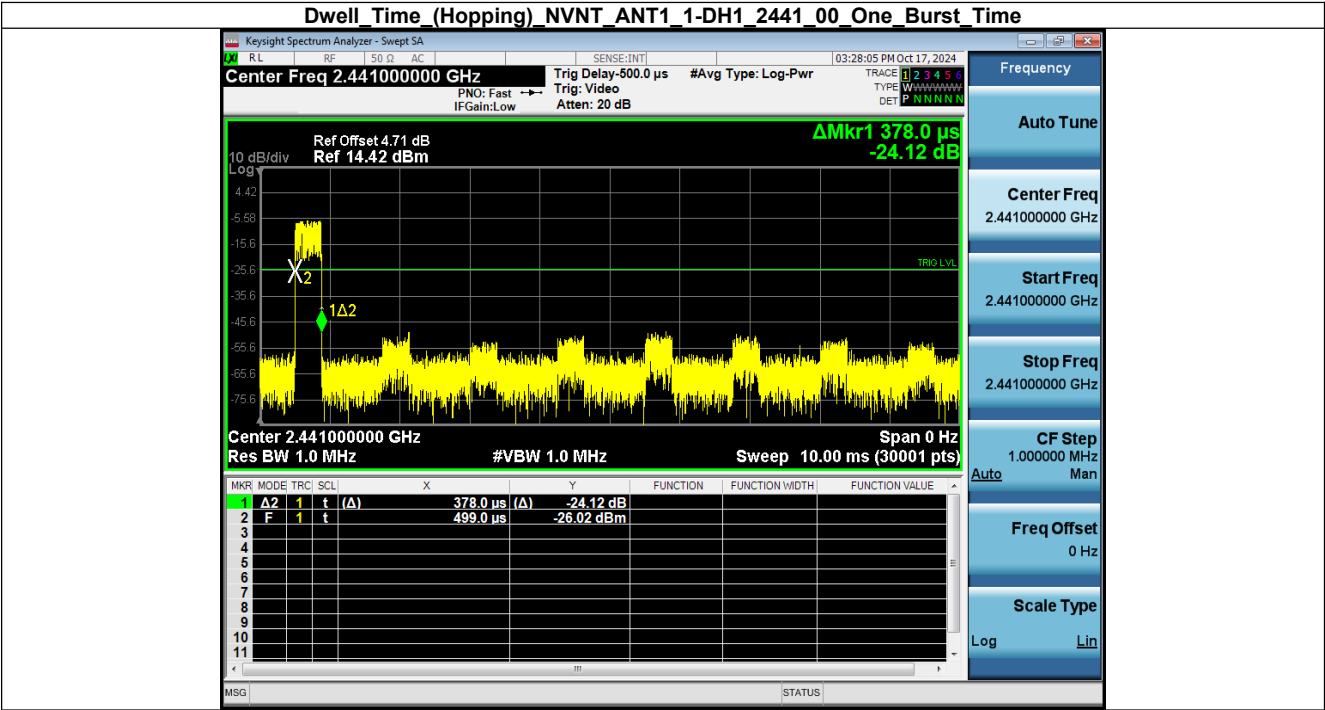


Number_of_Hopping_Channel_(Hopping)_NVNT_ANT1_3-DH1_Hopping

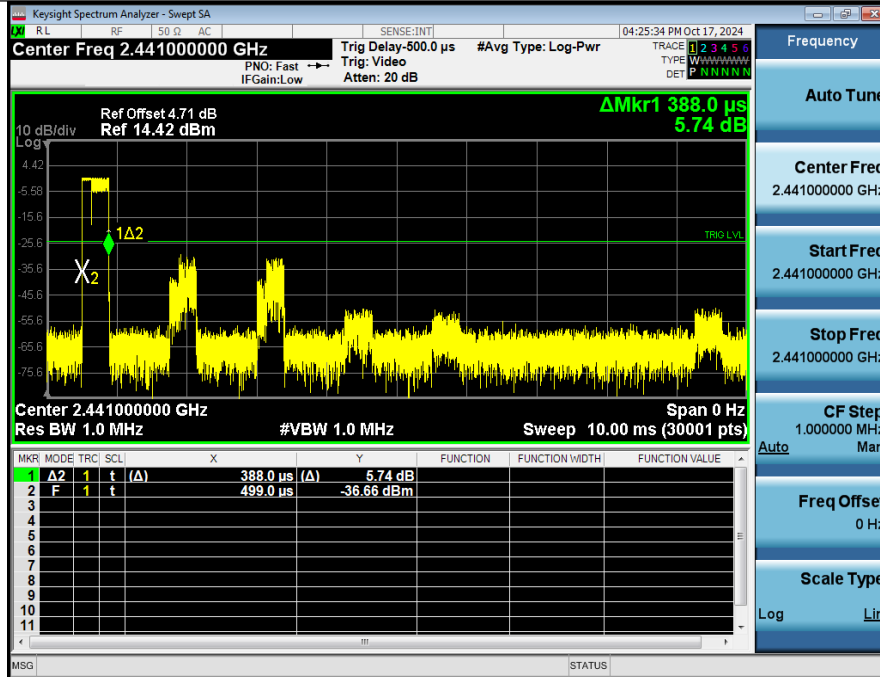


9. Dwell Time (Hopping)

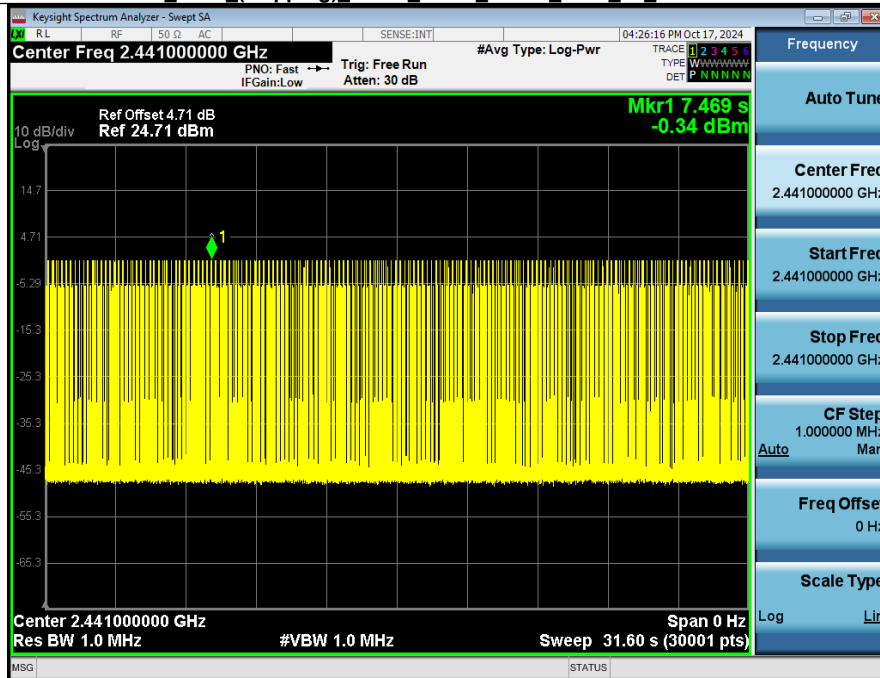
Condition	Antenna	Packet Type	Pulse Time(ms)	Hops	Dwell Time(ms)	Limit(s)	Result
NVNT	ANT1	1-DH1	0.378	320.00	120.960	0.40	Pass
NVNT	ANT1	2-DH1	0.388	320.00	124.160	0.40	Pass
NVNT	ANT1	3-DH1	0.388	320.00	124.160	0.40	Pass
NVNT	ANT1	1-DH3	1.634	161.00	263.074	0.40	Pass
NVNT	ANT1	1-DH5	2.881	102.00	293.862	0.40	Pass
NVNT	ANT1	2-DH3	1.640	153.00	250.920	0.40	Pass
NVNT	ANT1	2-DH5	2.888	99.00	285.912	0.40	Pass
NVNT	ANT1	3-DH3	0.595	156.00	92.820	0.40	Pass
NVNT	ANT1	3-DH5	0.430	115.00	49.450	0.40	Pass



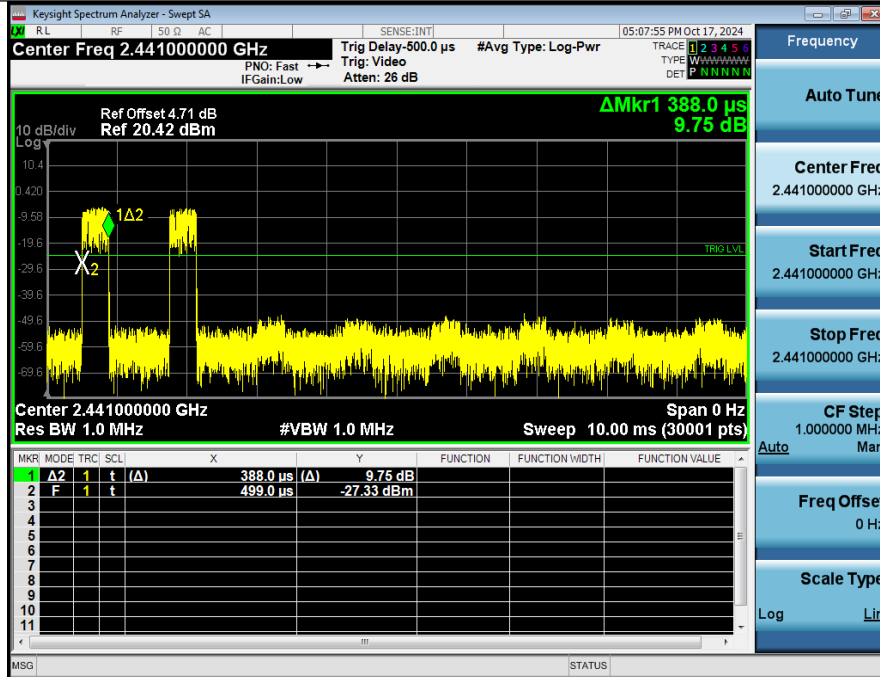
Dwell Time (Hopping) NVNT_ANT1_2-DH1_2441_00_One_Burst_Time



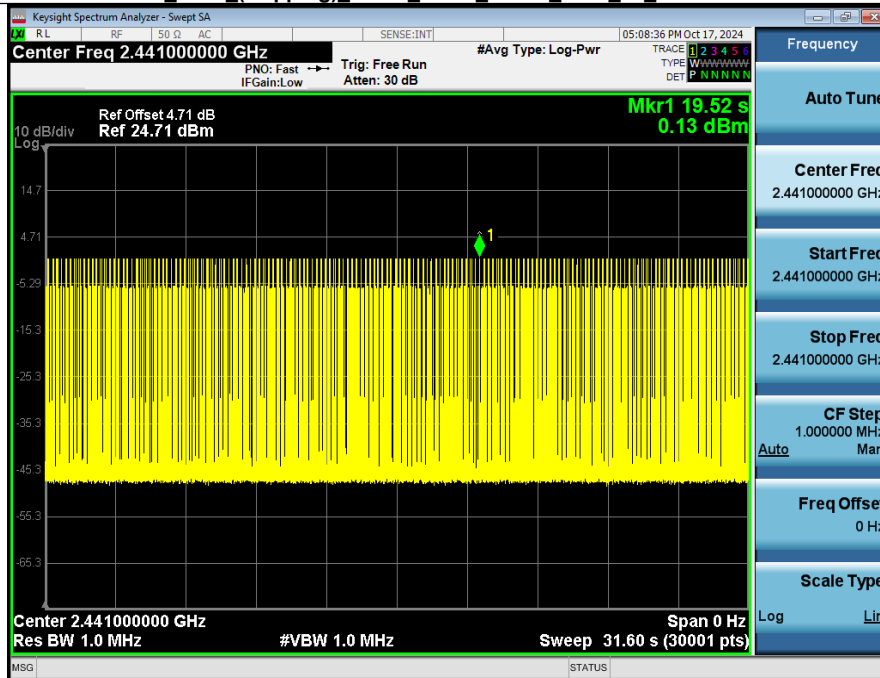
Dwell Time (Hopping) NVNT_ANT1_2-DH1_2441_00_Accumulated



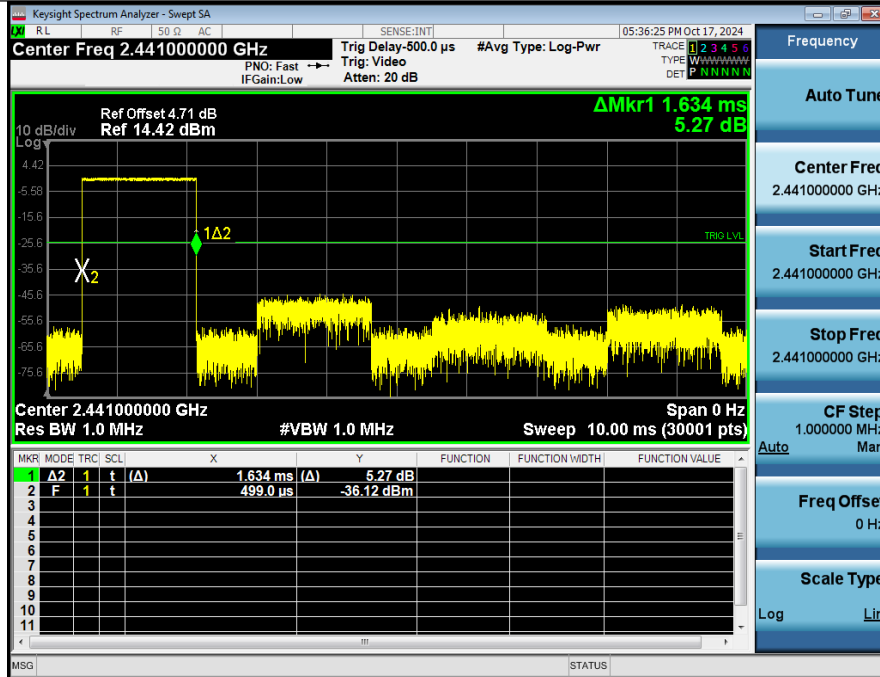
Dwell Time (Hopping) NVNT_ANT1_3-DH1_2441_00_One_Burst_Time



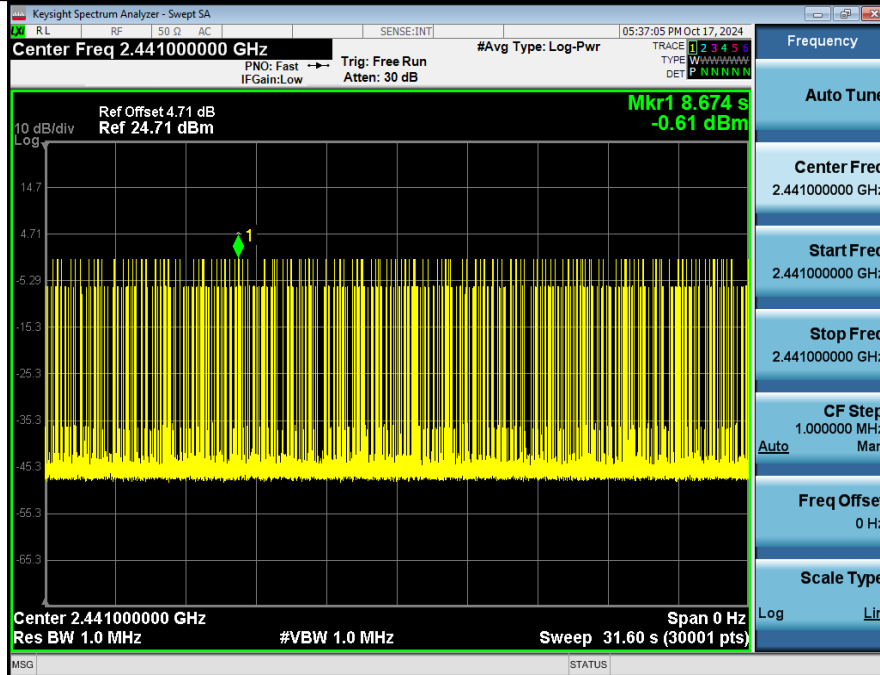
Dwell Time (Hopping) NVNT_ANT1_3-DH1_2441_00_Accumulated



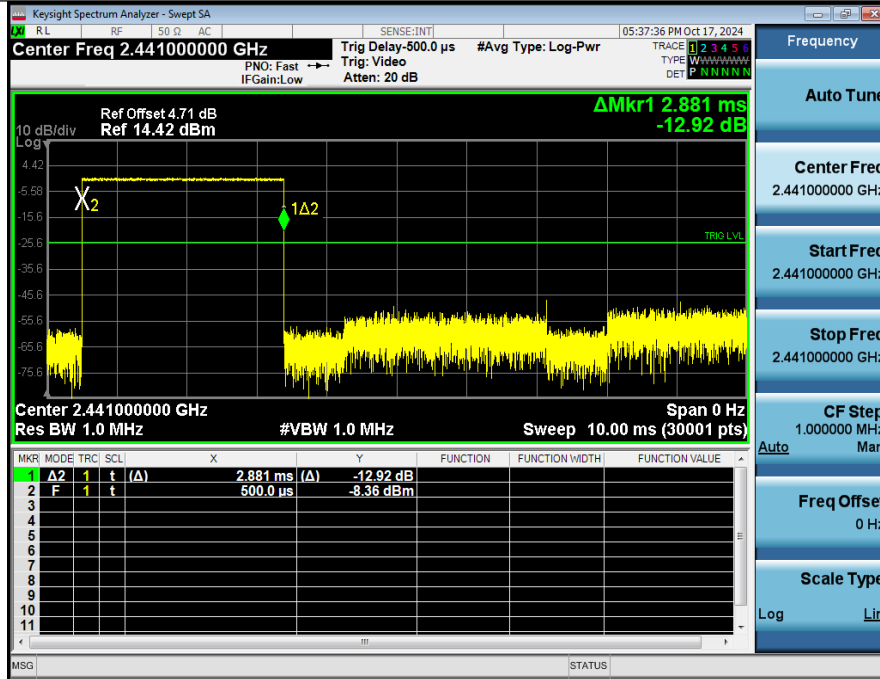
Dwell Time (Hopping) NVNT_ANT1_1-DH3_2441_00_One_Burst Time



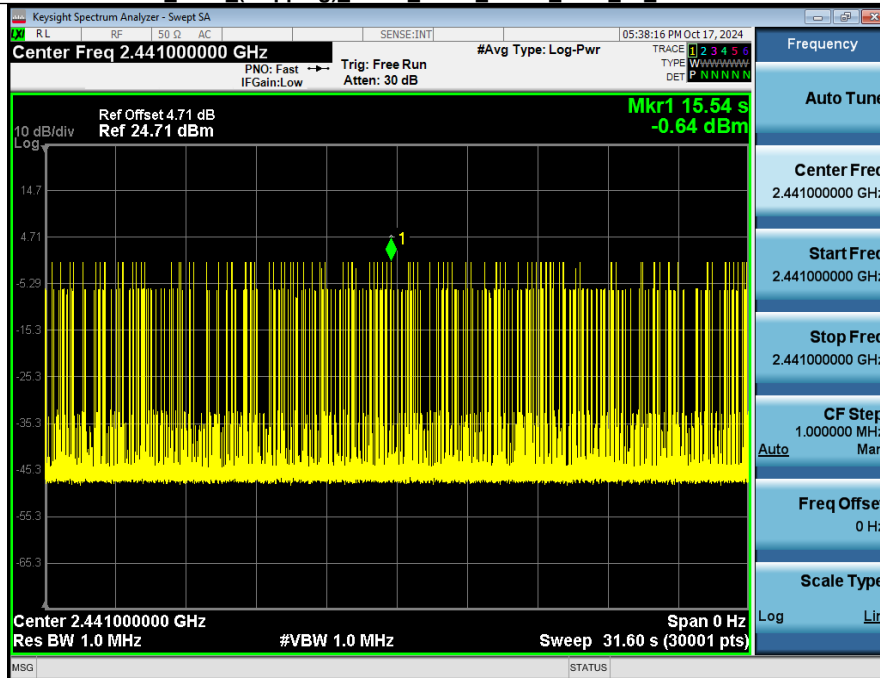
Dwell Time (Hopping) NVNT_ANT1_1-DH3_2441_00_Accumulated



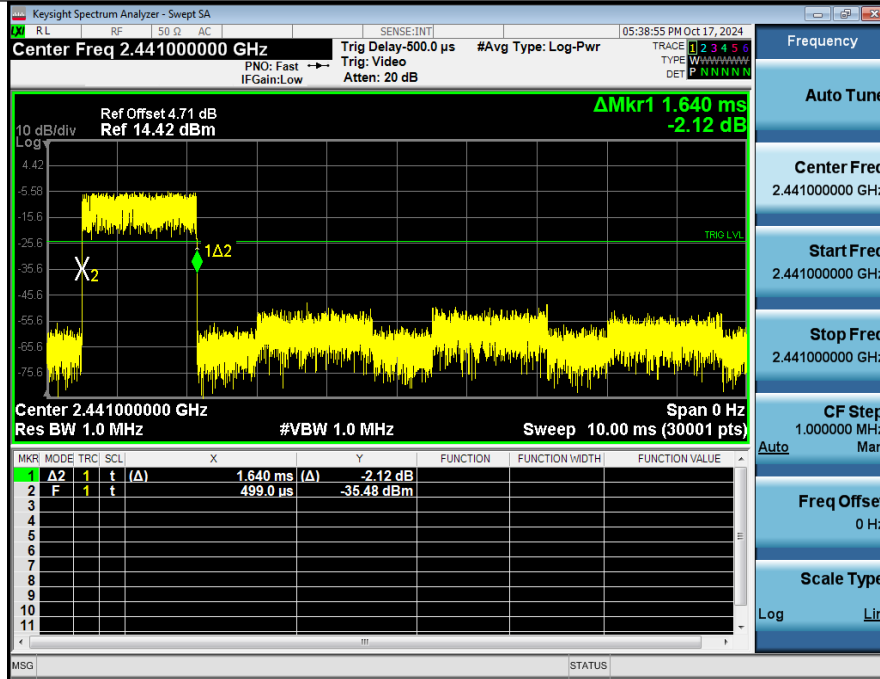
Dwell Time (Hopping) NVNT_ANT1_1-DH5_2441_00_One Burst Time



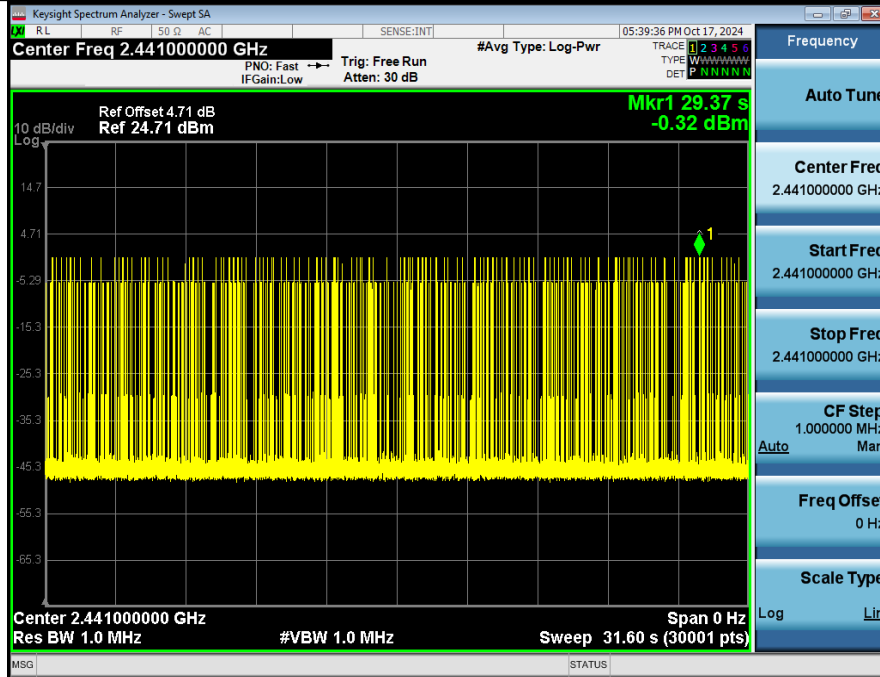
Dwell Time (Hopping) NVNT_ANT1_1-DH5_2441_00_Accumulated



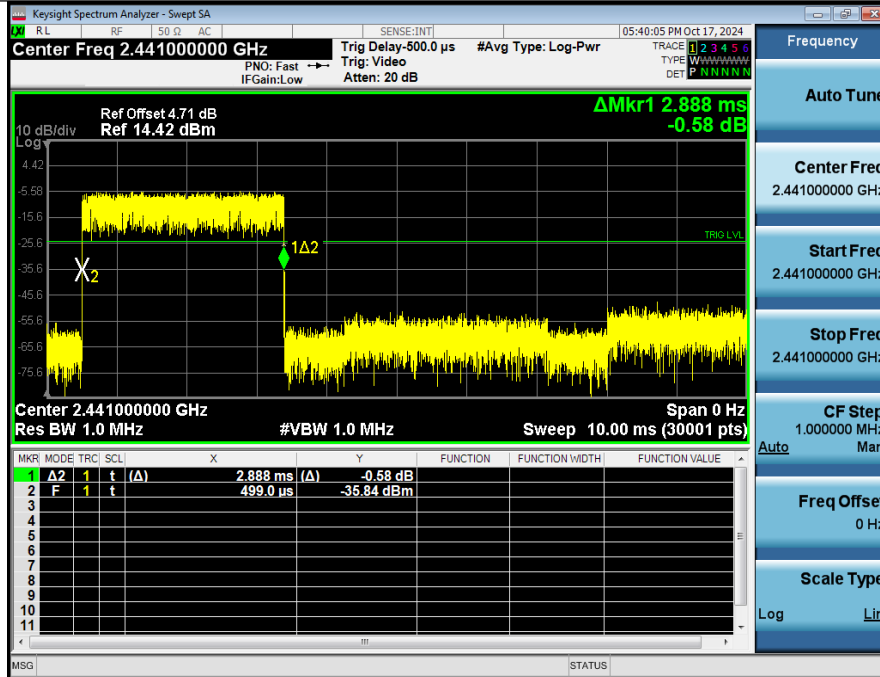
Dwell Time (Hopping) NVNT_ANT1_2-DH3_2441_00_One_Burst Time



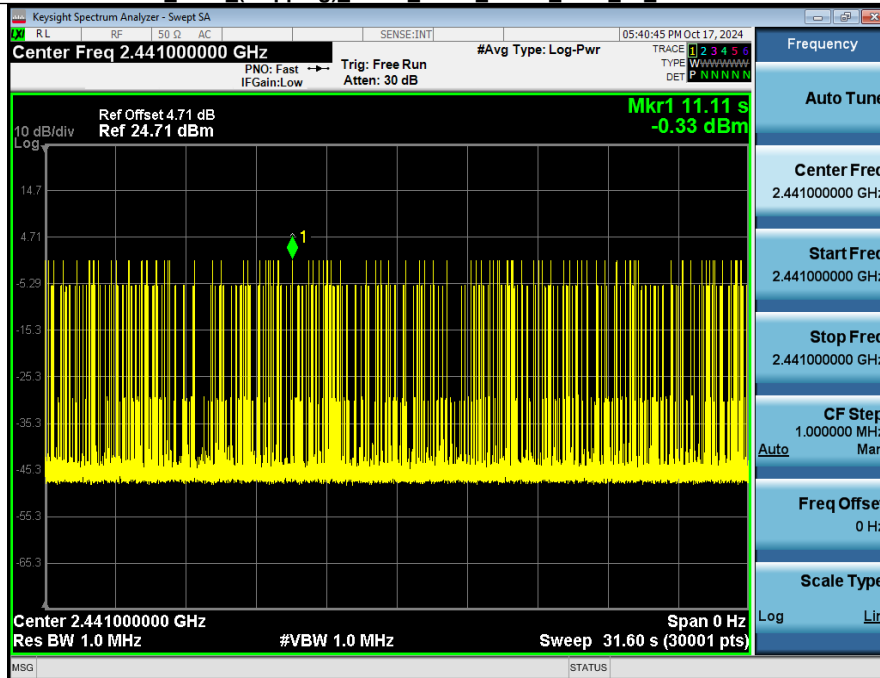
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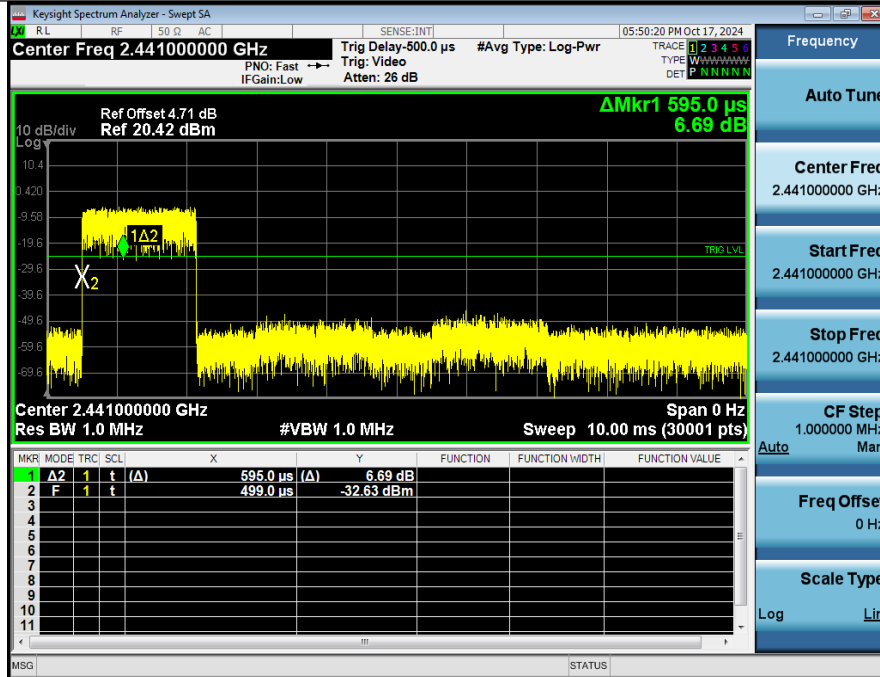
Dwell Time (Hopping) NVNT_ANT1_2-DH5_2441_00_One Burst Time



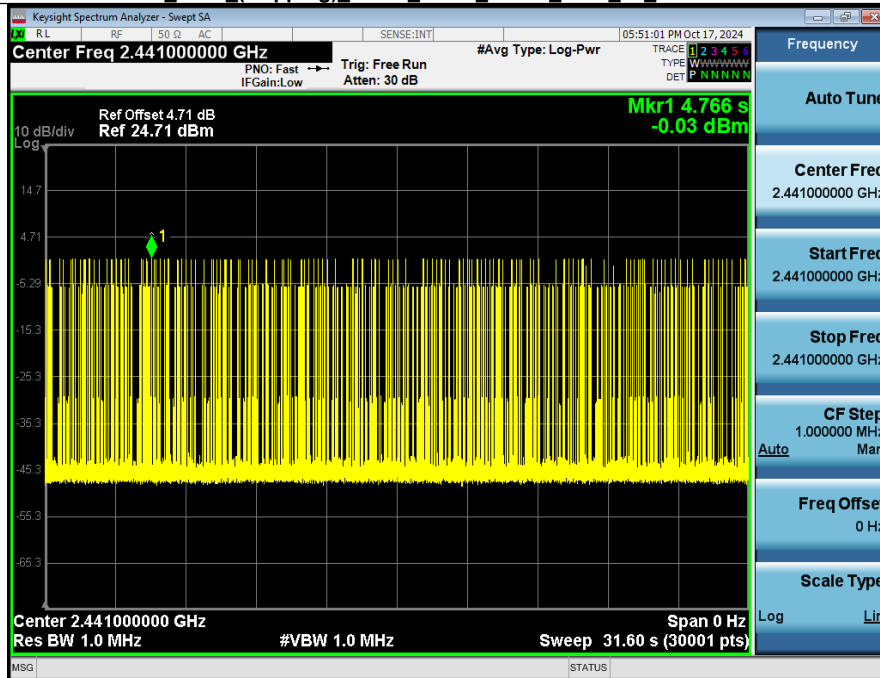
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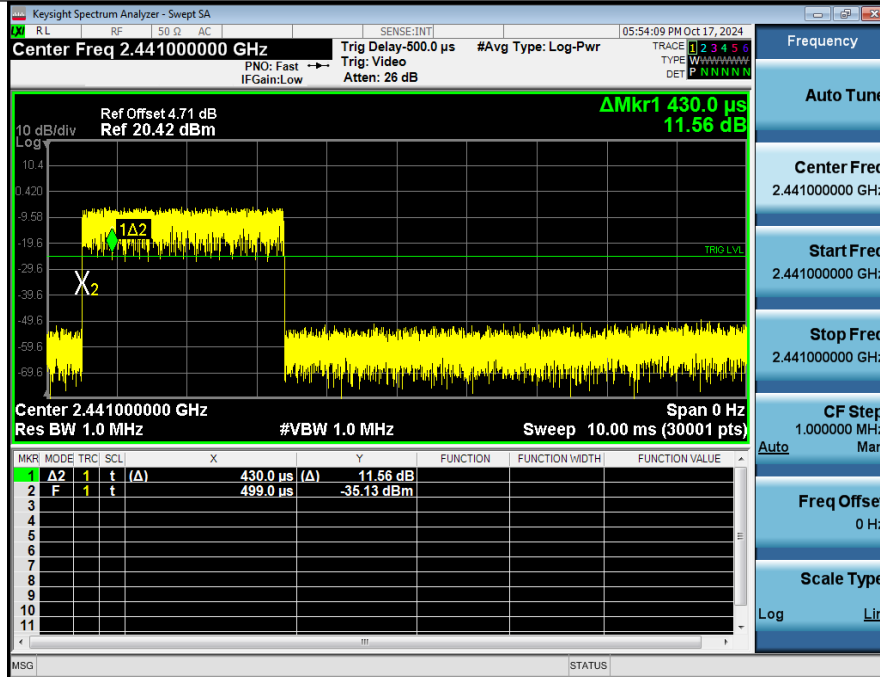
Dwell Time (Hopping) NVNT_ANT1_3-DH3_2441_00_One_Burst_Time



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

