

Appendix

Test Data

for BTEK240726008AE

Start date	2024/7/30	Finish date	2024/7/30
Temperature	22.7℃	Humidity	62%
RF specifications	BT	Test Engineer	Zora



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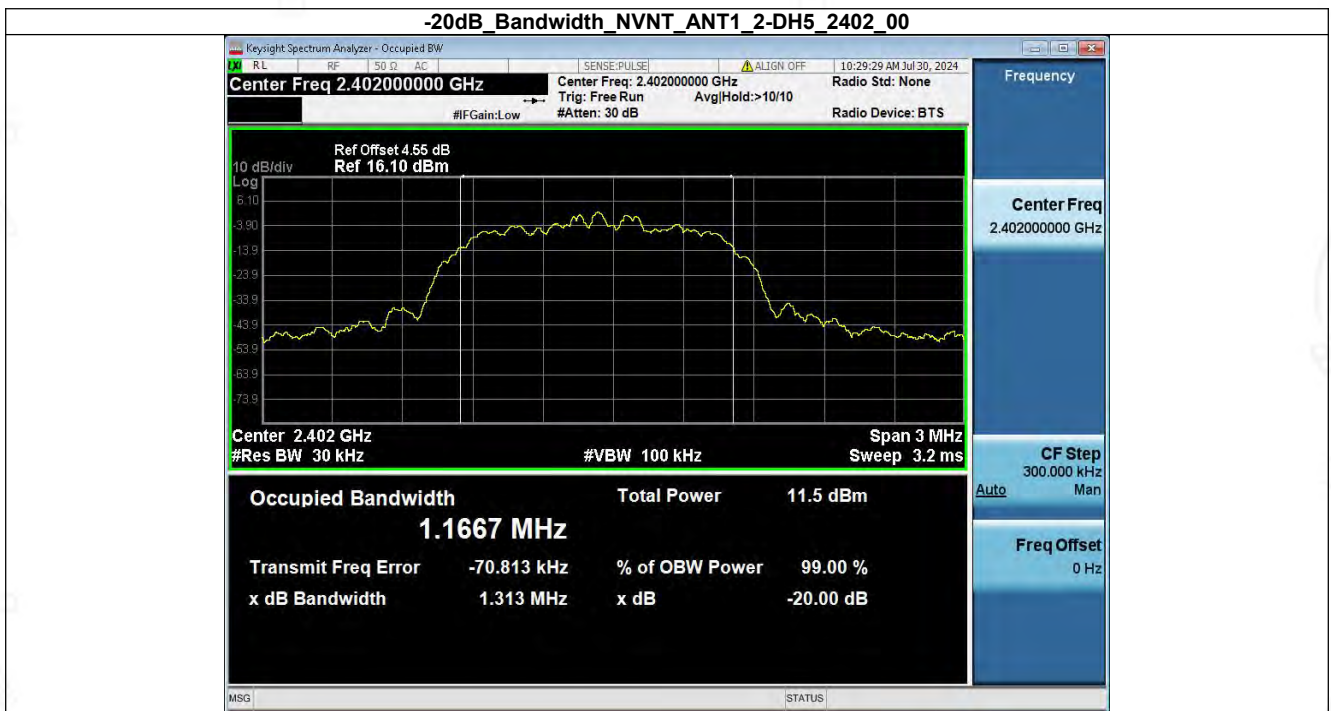
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1. -20dB Bandwidth

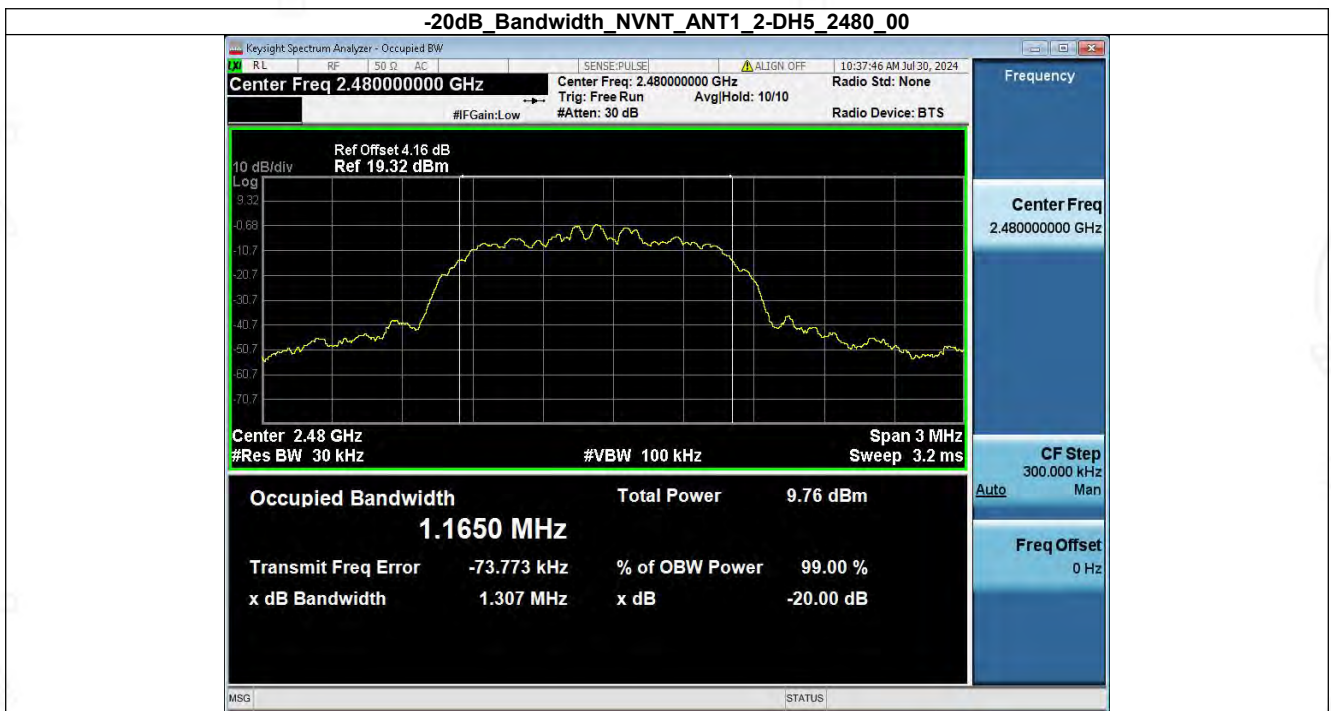
Condition	Antenna	Modulation	Frequency (MHz)	-20dB BW(MHz)	if larger than CFS
NVNT	ANT1	1-DH5	2402.00	0.950	No
NVNT	ANT1	1-DH5	2441.00	0.954	No
NVNT	ANT1	1-DH5	2480.00	0.952	No
NVNT	ANT1	2-DH5	2402.00	1.313	Yes
NVNT	ANT1	2-DH5	2441.00	1.315	Yes
NVNT	ANT1	2-DH5	2480.00	1.307	Yes
NVNT	ANT1	3-DH5	2402.00	1.306	Yes
NVNT	ANT1	3-DH5	2441.00	1.309	Yes
NVNT	ANT1	3-DH5	2480.00	1.306	Yes





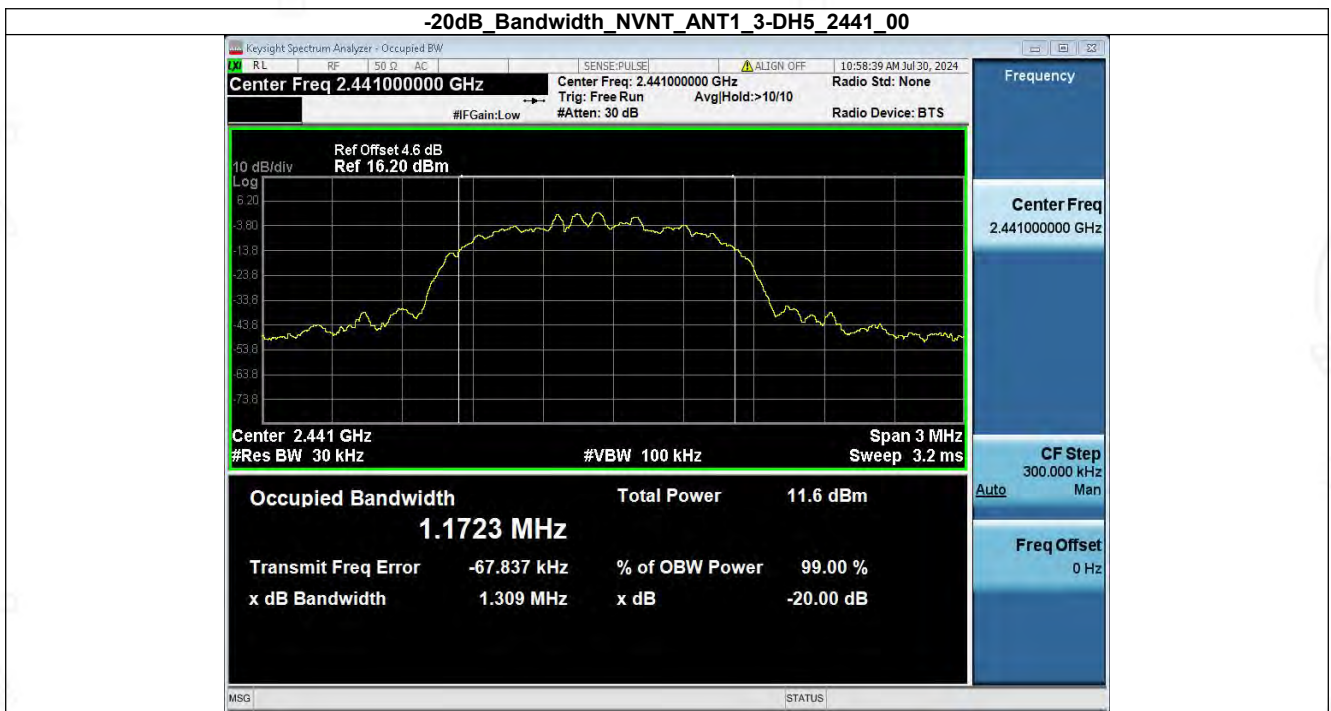
-20dB_Bandwidth_NVNT_ANT1_2-DH5_2441_00





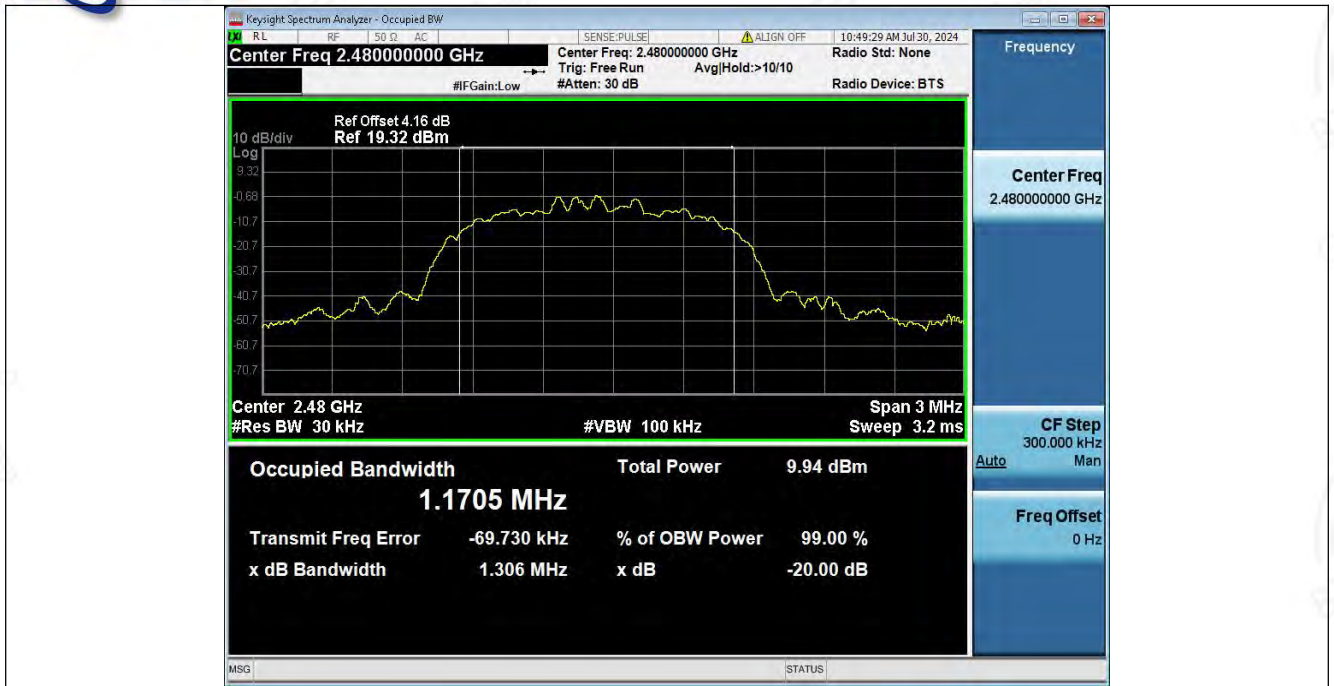
-20dB_Bandwidth_NVNT_ANT1_3-DH5_2402_00





-20dB_Bandwidth_NVNT_ANT1_3-DH5_2480_00





2. 99% Occupied Bandwidth

Condition	Antenna	Modulation	Frequency (MHz)	99% BW(MHz)
NVNT	ANT1	1-DH5	2402.00	0.839
NVNT	ANT1	1-DH5	2441.00	0.839
NVNT	ANT1	1-DH5	2480.00	0.840
NVNT	ANT1	2-DH5	2402.00	1.168
NVNT	ANT1	2-DH5	2441.00	1.166
NVNT	ANT1	2-DH5	2480.00	1.166
NVNT	ANT1	3-DH5	2402.00	1.172
NVNT	ANT1	3-DH5	2441.00	1.171
NVNT	ANT1	3-DH5	2480.00	1.171

99% Occupied Bandwidth_NVNT_ANT1_1-DH5_2402_00

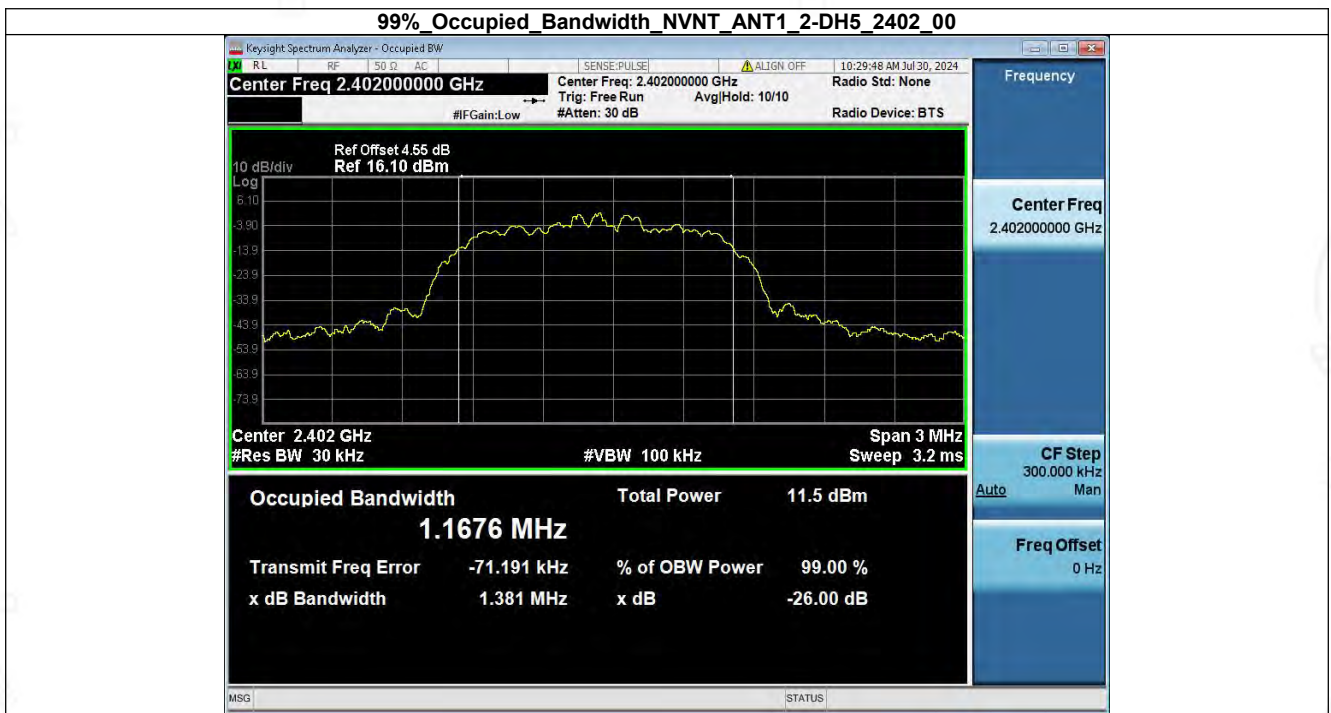


99% Occupied Bandwidth_NVNT_ANT1_1-DH5_2441_00



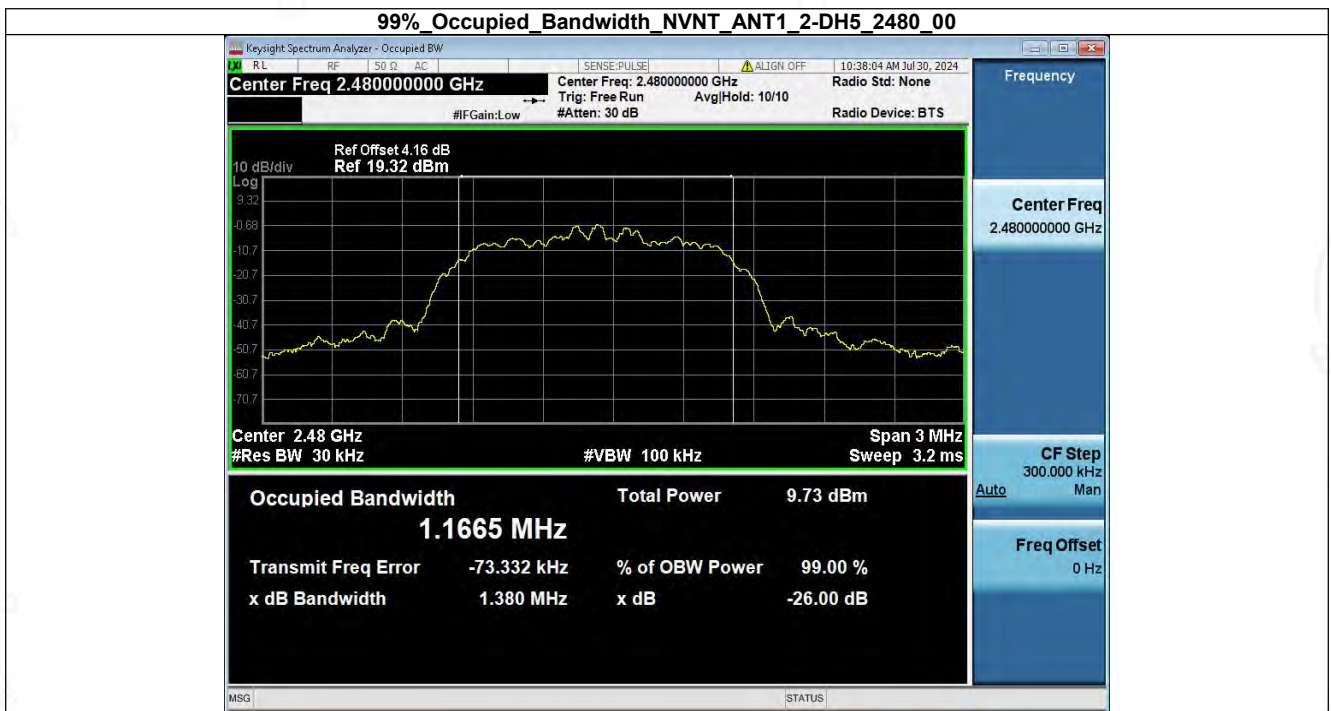
99% Occupied Bandwidth_NVNT_ANT1_1-DH5_2480_00





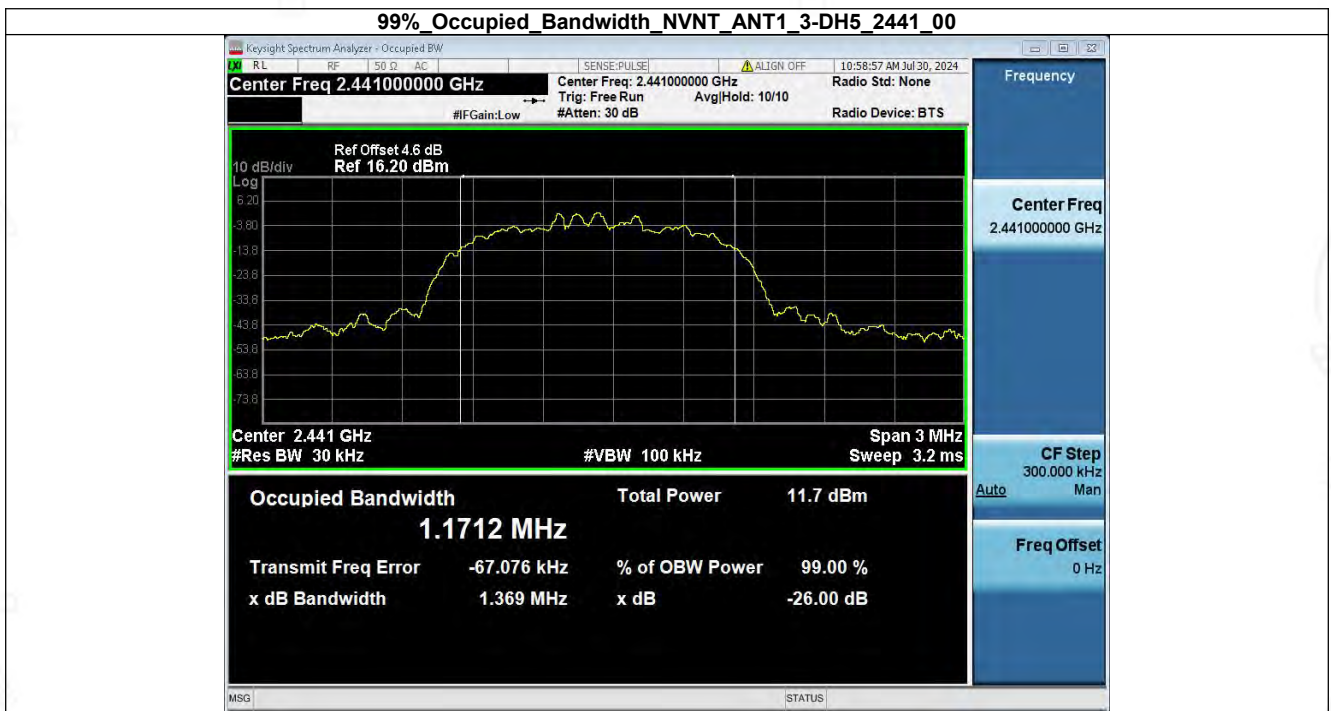
99%_Occupied_Bandwidth_NVNT_ANT1_2-DH5_2441_00





99%_Occupied_Bandwidth_NVNT_ANT1_3-DH5_2402_00





99%_Occupied_Bandwidth_NVNT_ANT1_3-DH5_2480_00

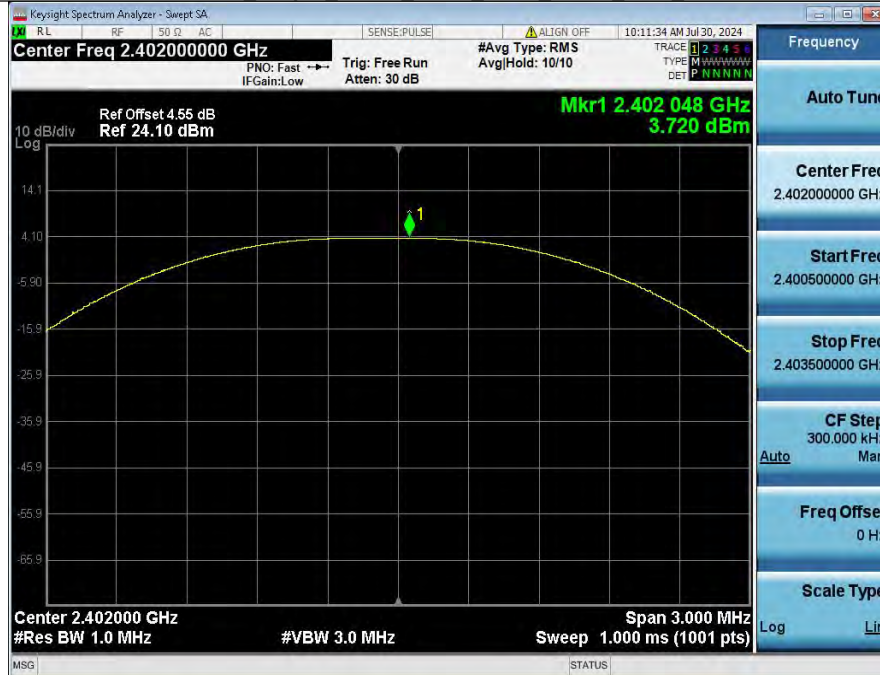




3. Peak Output Power

Condition	Antenna	Modulation	Frequency (MHz)	Max. Conducted Power(dBm)	Max. Conducted Power(mW)	Limit(mW)	Result
NVNT	ANT1	1-DH5	2402.00	3.72	2.36	1000	Pass
NVNT	ANT1	1-DH5	2441.00	3.66	2.32	1000	Pass
NVNT	ANT1	1-DH5	2480.00	1.96	1.57	1000	Pass
NVNT	ANT1	2-DH5	2402.00	5.94	3.93	125	Pass
NVNT	ANT1	2-DH5	2441.00	5.77	3.78	125	Pass
NVNT	ANT1	2-DH5	2480.00	4.02	2.52	125	Pass
NVNT	ANT1	3-DH5	2402.00	6.37	4.33	125	Pass
NVNT	ANT1	3-DH5	2441.00	6.30	4.26	125	Pass
NVNT	ANT1	3-DH5	2480.00	4.52	2.83	125	Pass

Peak_Output_Power_NVNT_ANT1_1-DH5_2402_00

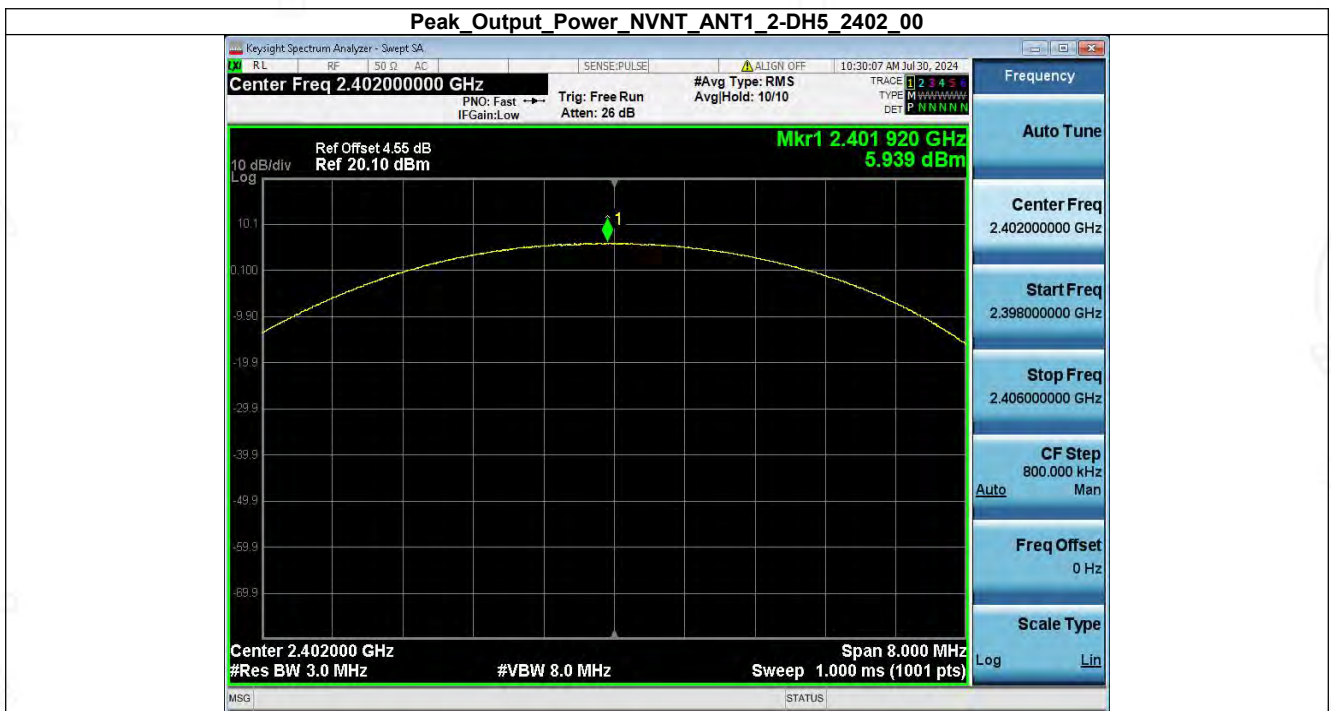


Peak_Output_Power_NVNT_ANT1_1-DH5_2441_00



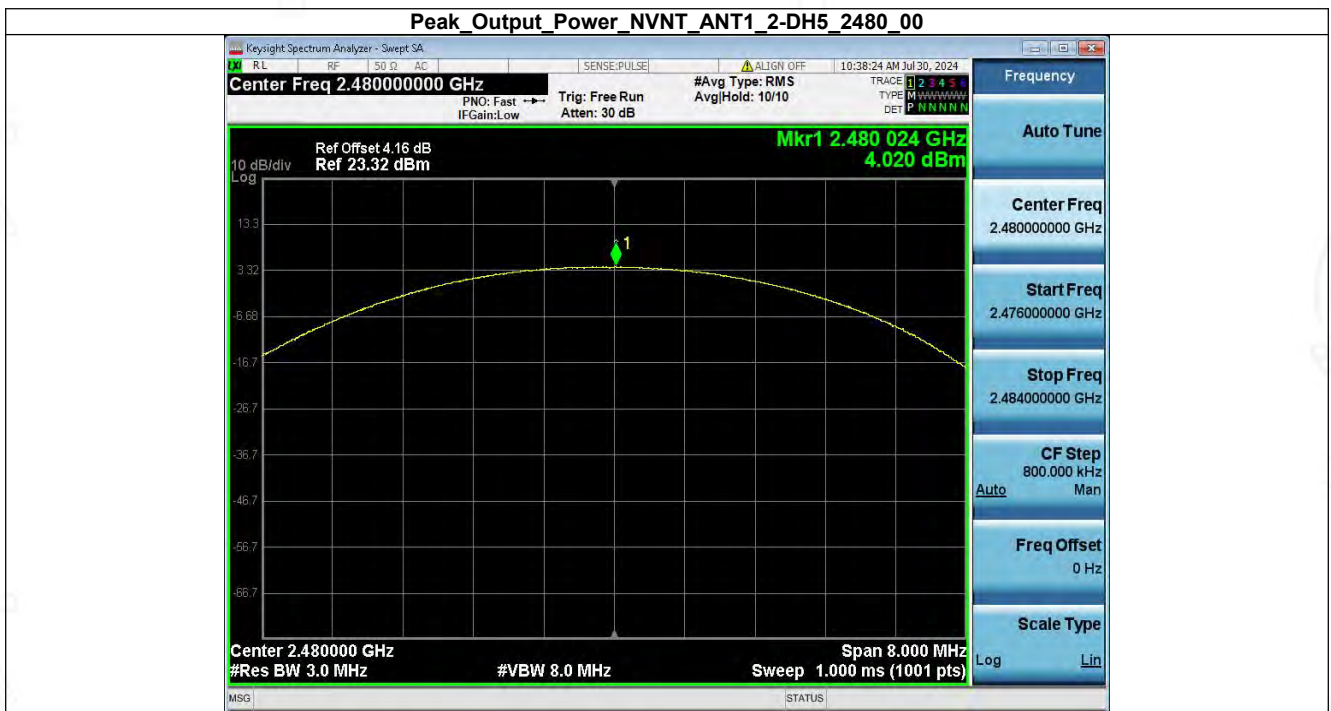
Peak_Output_Power_NVNT_ANT1_1-DH5_2480_00





Peak_Output_Power_NVNT_ANT1_2-DH5_2441_00





Peak_Output_Power_NVNT_ANT1_3-DH5_2402_00





Peak_Output_Power_NVNT_ANT1_3-DH5_2480_00

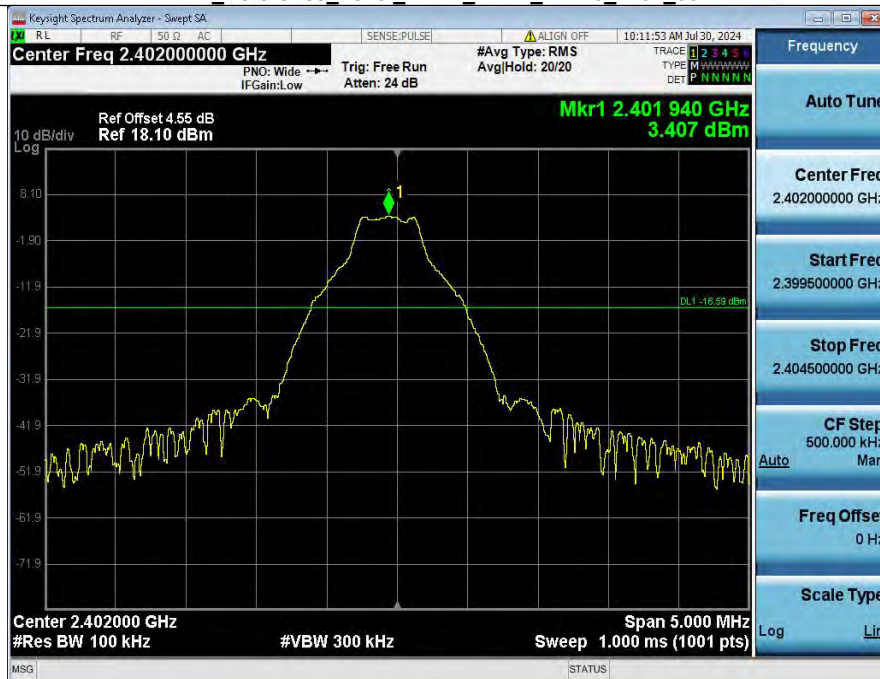




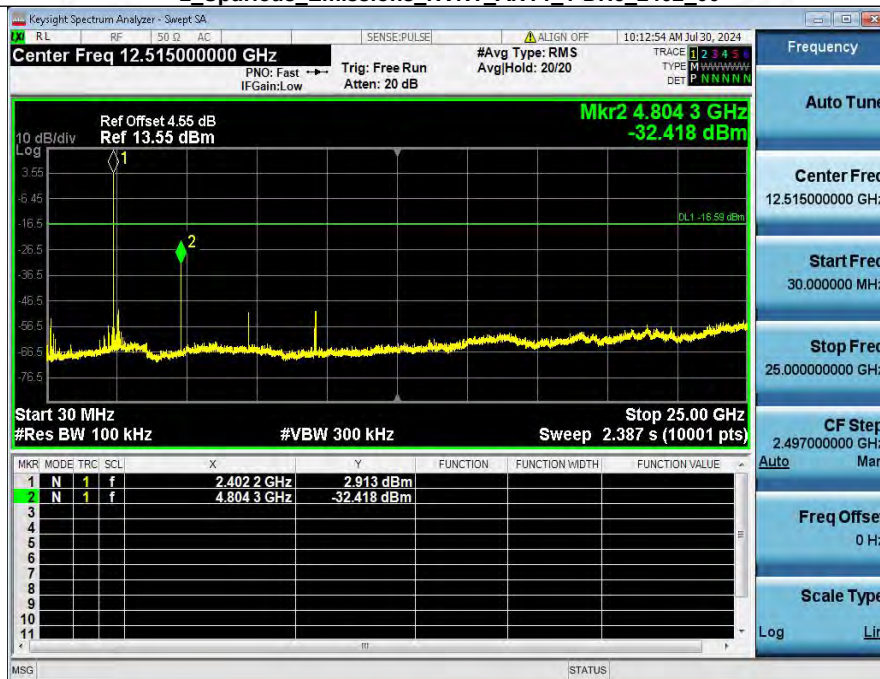
4. Spurious Emissions

Condition	Antenna	Modulation	TX Mode	Spurious MAX.Value(dBm)	Limit	Result
NVNT	ANT1	1-DH5	2402.00	-32.418	-16.593	Pass
NVNT	ANT1	1-DH5	2441.00	-32.302	-16.833	Pass
NVNT	ANT1	1-DH5	2480.00	-36.110	-18.460	Pass
NVNT	ANT1	2-DH5	2402.00	-31.648	-16.685	Pass
NVNT	ANT1	2-DH5	2441.00	-32.498	-16.742	Pass
NVNT	ANT1	2-DH5	2480.00	-38.001	-18.376	Pass
NVNT	ANT1	3-DH5	2402.00	-34.388	-16.415	Pass
NVNT	ANT1	3-DH5	2441.00	-34.289	-16.595	Pass
NVNT	ANT1	3-DH5	2480.00	-37.549	-18.374	Pass

1_Reference_Level_NVNT_ANT1_1-DH5_2402_00

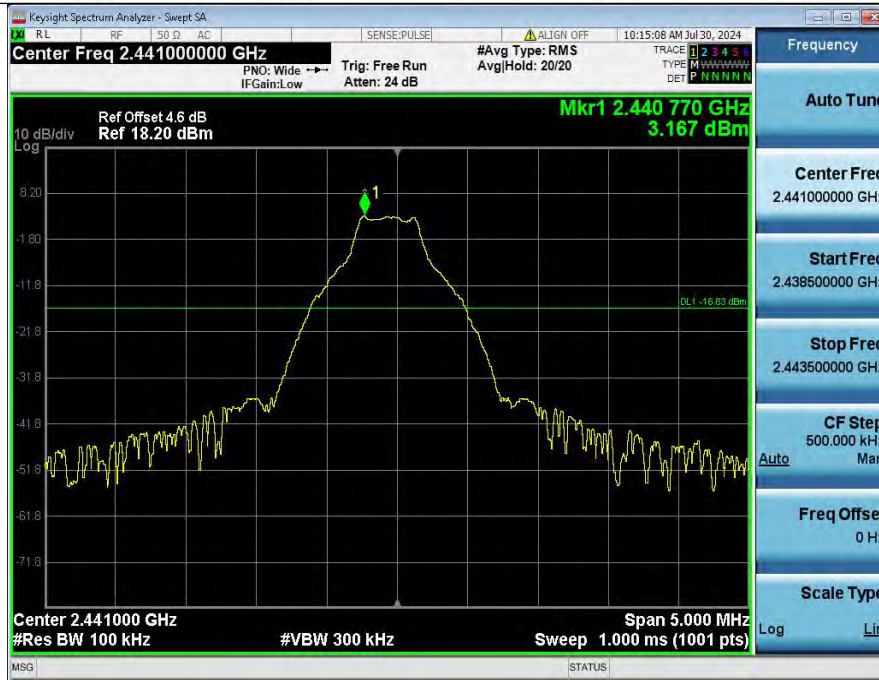


2_Spurious_Emissions_NVNT_ANT1_1-DH5_2402_00

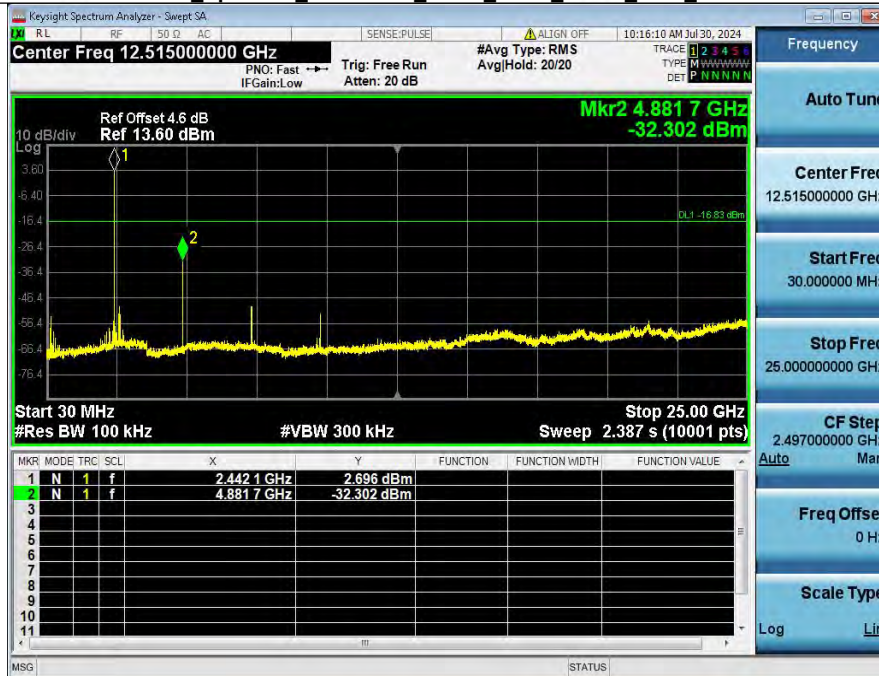


1_Reference_Level_NVNT_ANT1_1-DH5_2441_00



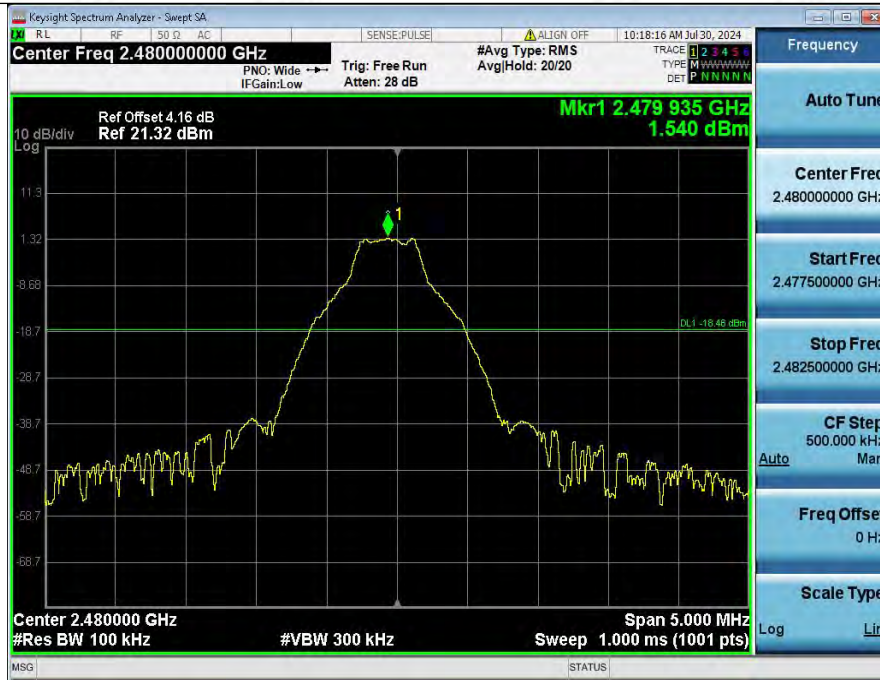


2 Spurious Emissions NVNT_ANT1_1-DH5_2441_00

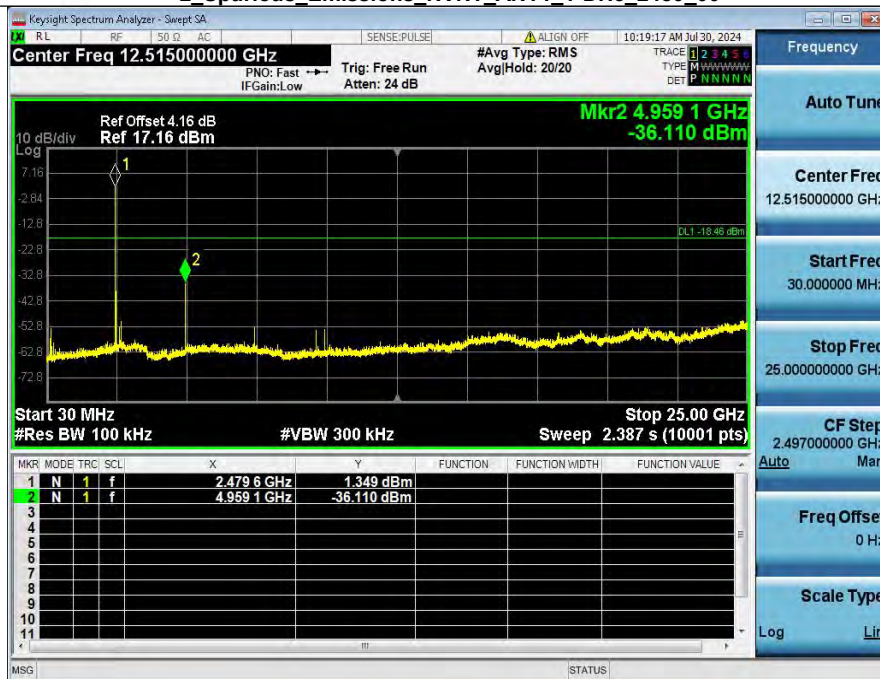


1 Reference Level NVNT_ANT1_1-DH5_2480_00



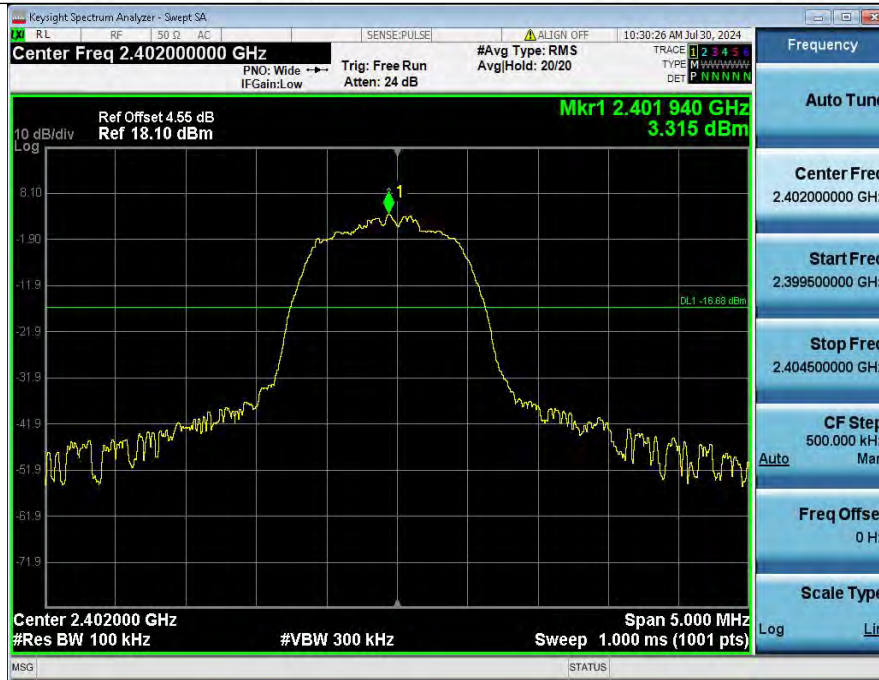


2_Spurious_Emissions_NVNT_ANT1_1-DH5_2480_00

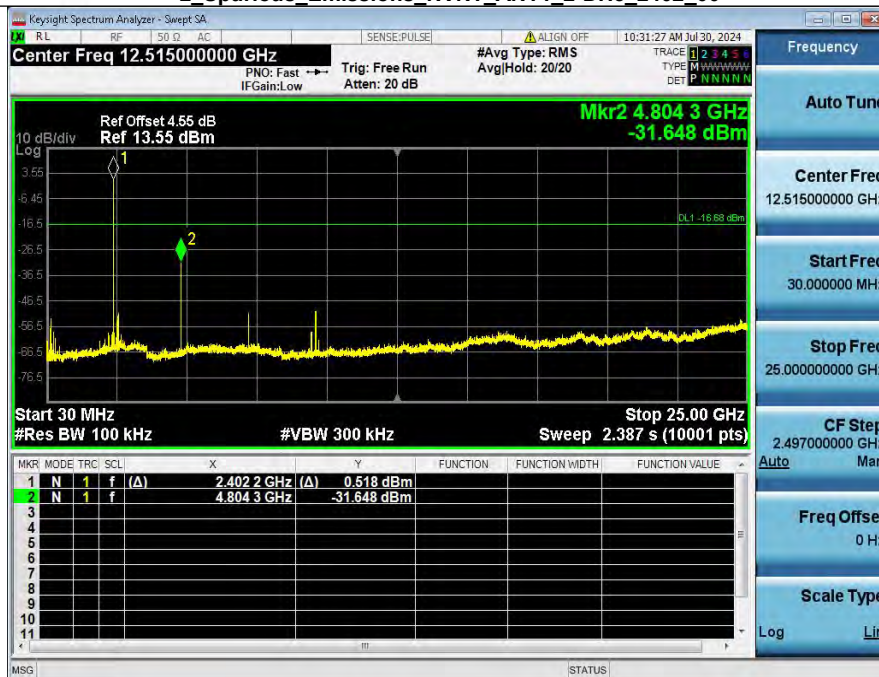


1_Reference_Level_NVNT_ANT1_2-DH5_2402_00



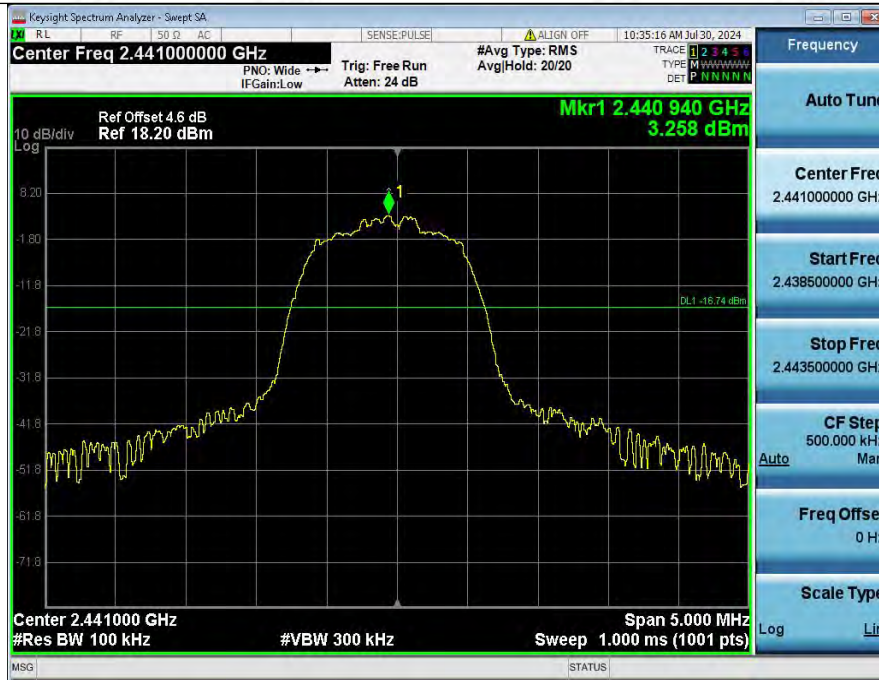


2_Spurious_Emissions_NVNT_ANT1_2-DH5_2402_00

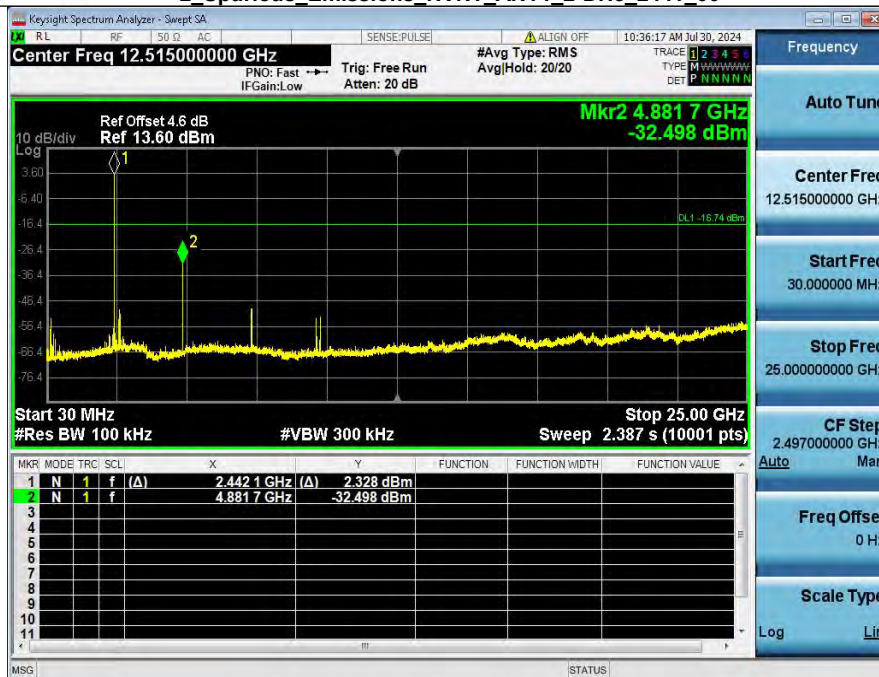


1_Reference_Level_NVNT_ANT1_2-DH5_2441_00



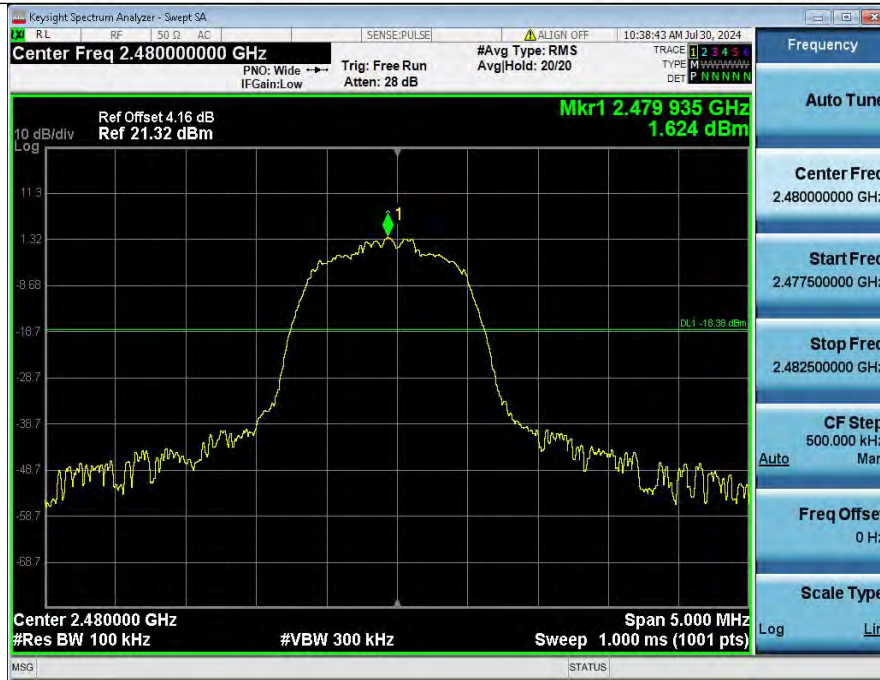


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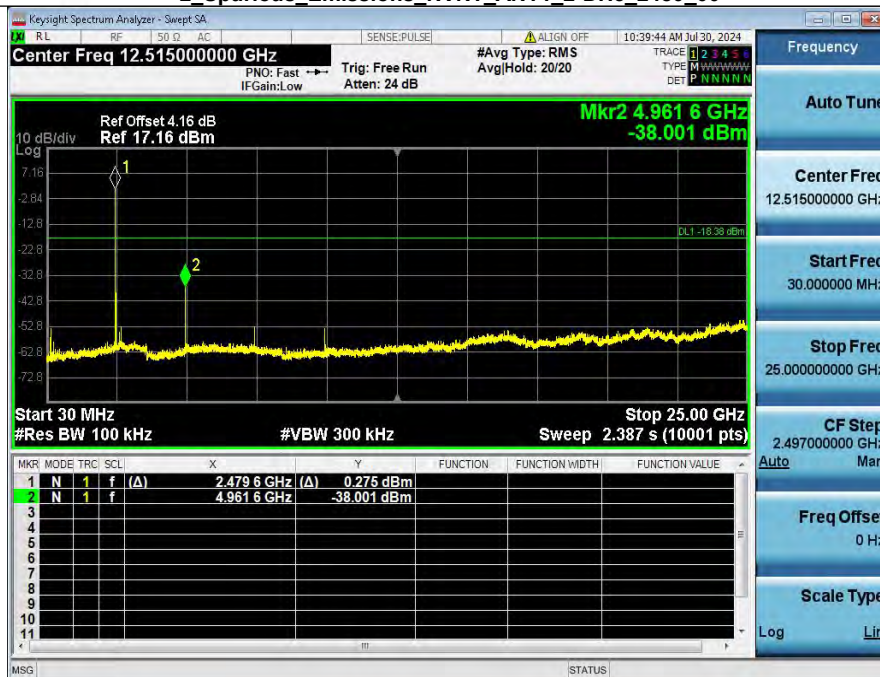


1 Reference Level NVNT_ANT1_2-DH5_2480_00



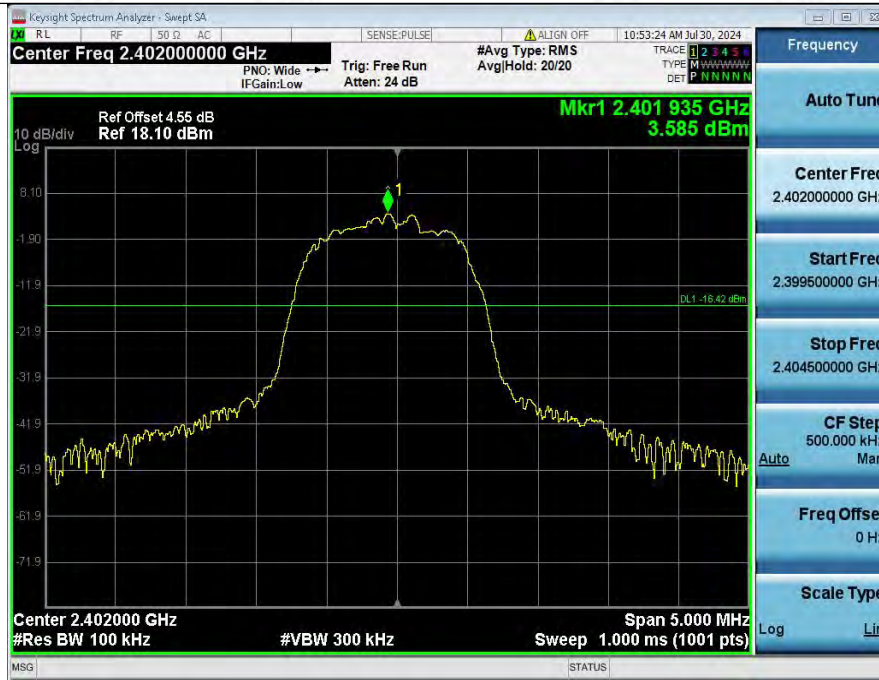


2_Spurious_Emissions_NVNT_ANT1_2-DH5_2480_00

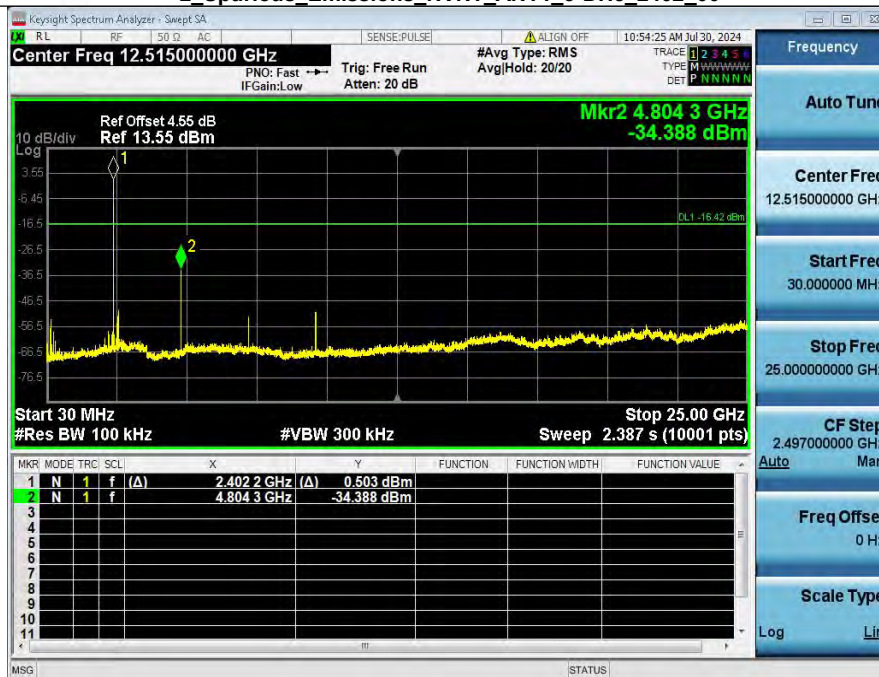


1_Reference_Level_NVNT_ANT1_3-DH5_2402_00



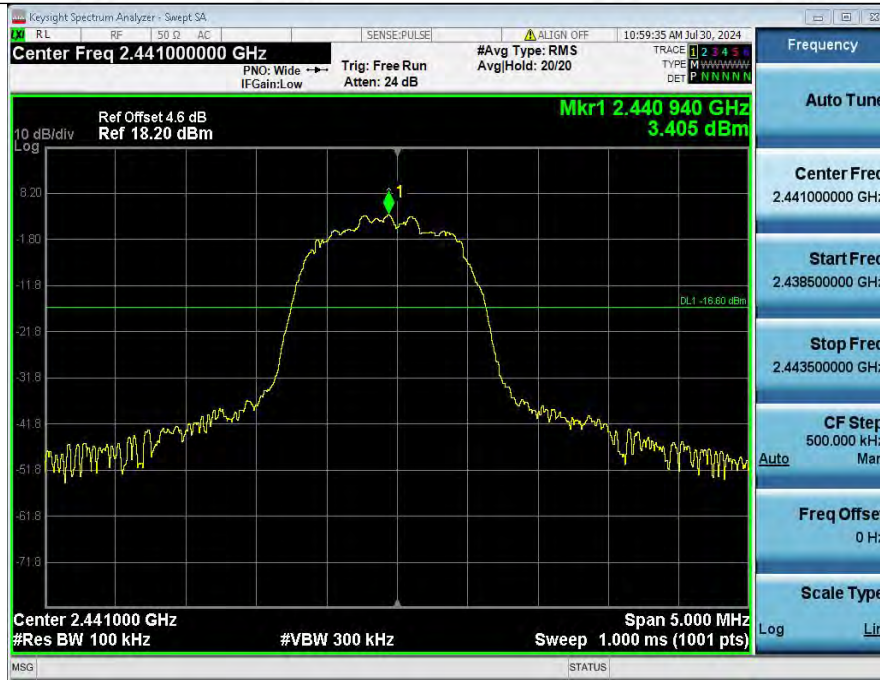


2 Spurious Emissions NVNT_ANT1_3-DH5_2402_00

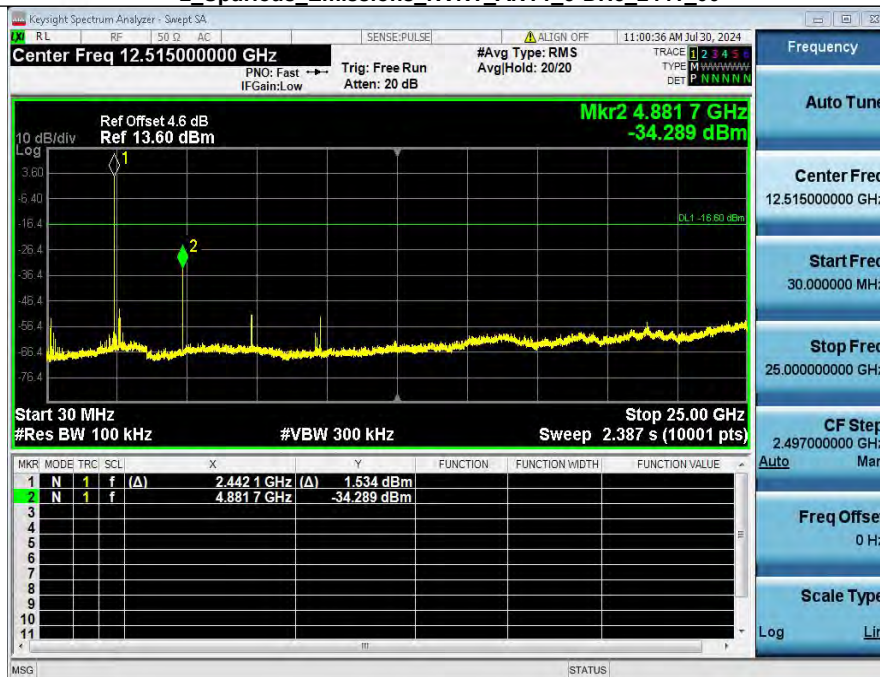


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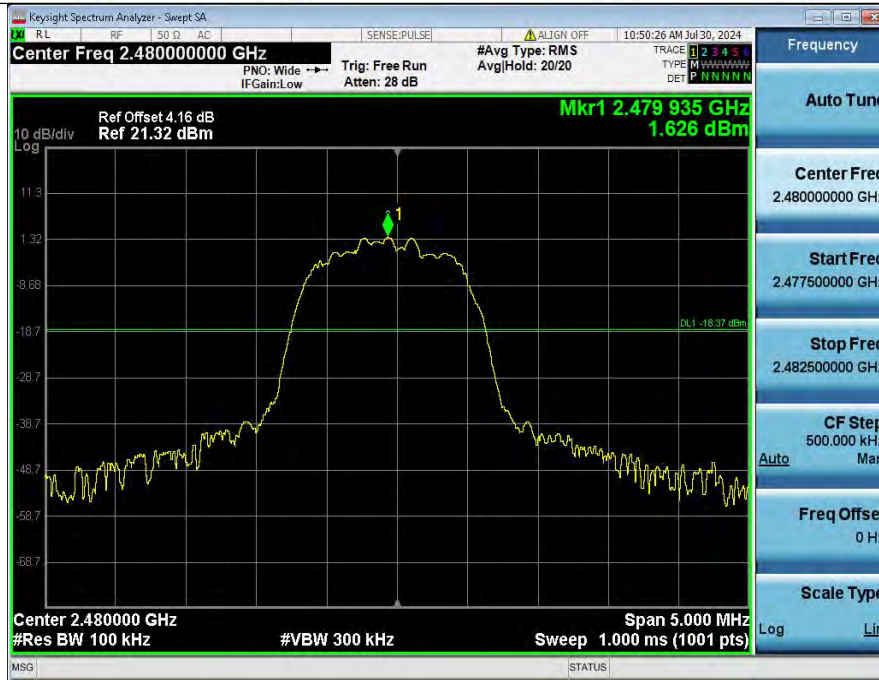


2 Spurious Emissions NVNT_ANT1_3-DH5_2441_00

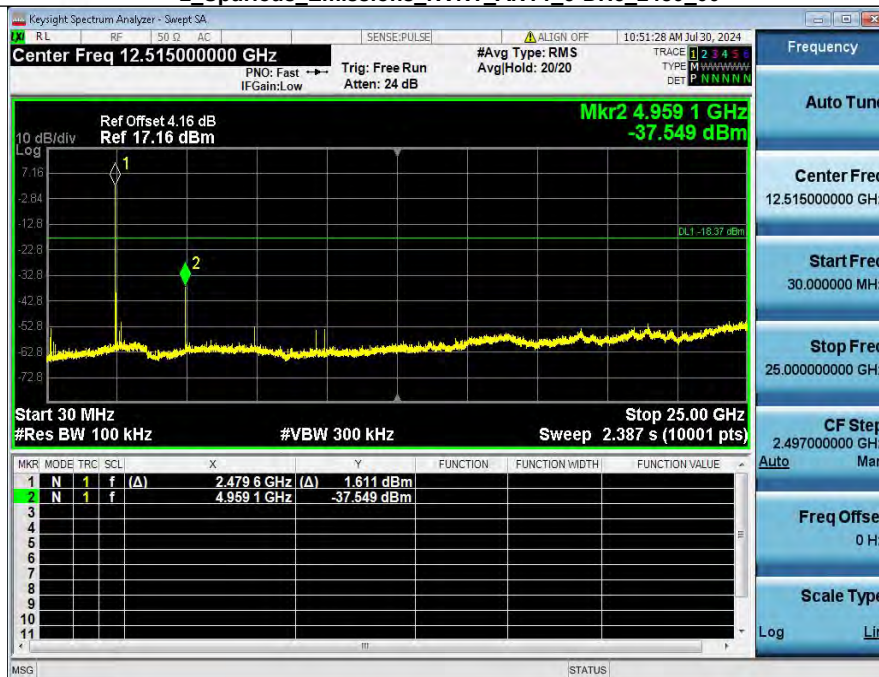


1 Reference Level NVNT_ANT1_3-DH5_2480_00





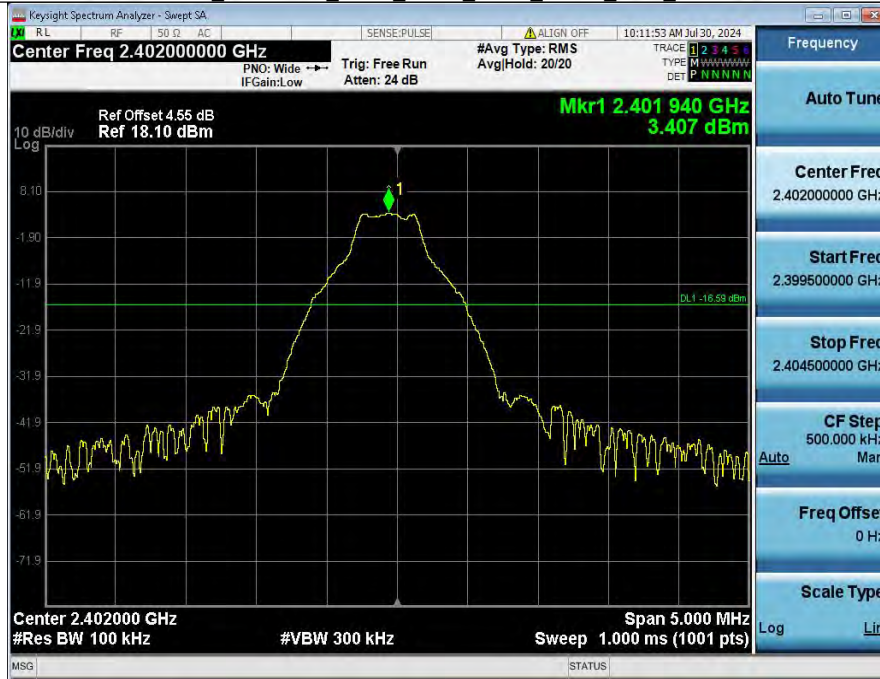
2_Spurious_Emissions_NVNT_ANT1_3-DH5_2480_00



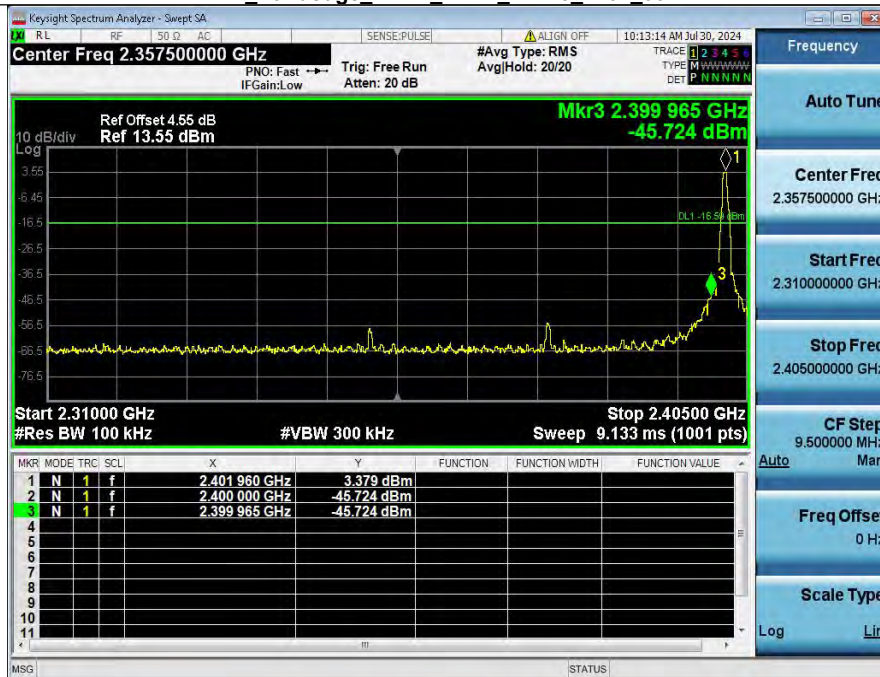
5. Bandedge

Condition	Antenna	Modulation	TX Mode	Bandedge MAX.Value	Limit	Result
NVNT	ANT1	1-DH5	2402.00	-45.724	-16.593	Pass
NVNT	ANT1	1-DH5	Hopping_LCH	-55.217	-16.418	Pass
NVNT	ANT1	1-DH5	2480.00	-54.094	-18.460	Pass
NVNT	ANT1	1-DH5	Hopping_HCH	-57.629	-16.948	Pass
NVNT	ANT1	2-DH5	2402.00	-45.729	-16.685	Pass
NVNT	ANT1	2-DH5	Hopping_LCH	-49.944	-16.441	Pass
NVNT	ANT1	2-DH5	2480.00	-55.780	-18.376	Pass
NVNT	ANT1	2-DH5	Hopping_HCH	-56.296	-16.839	Pass
NVNT	ANT1	3-DH5	2402.00	-45.226	-16.415	Pass
NVNT	ANT1	3-DH5	Hopping_LCH	-51.077	-16.352	Pass
NVNT	ANT1	3-DH5	2480.00	-54.708	-18.374	Pass
NVNT	ANT1	3-DH5	Hopping_HCH	-55.902	-16.731	Pass

1_Reference_Level_NVNT_ANT1_1-DH5_2402_00

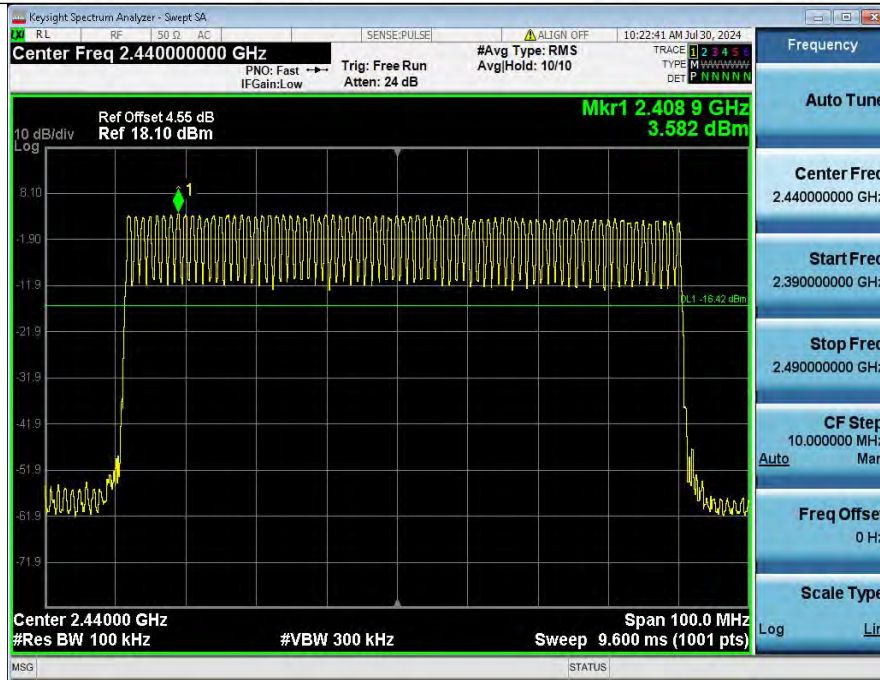


2_Bandedge_NVNT_ANT1_1-DH5_2402_00

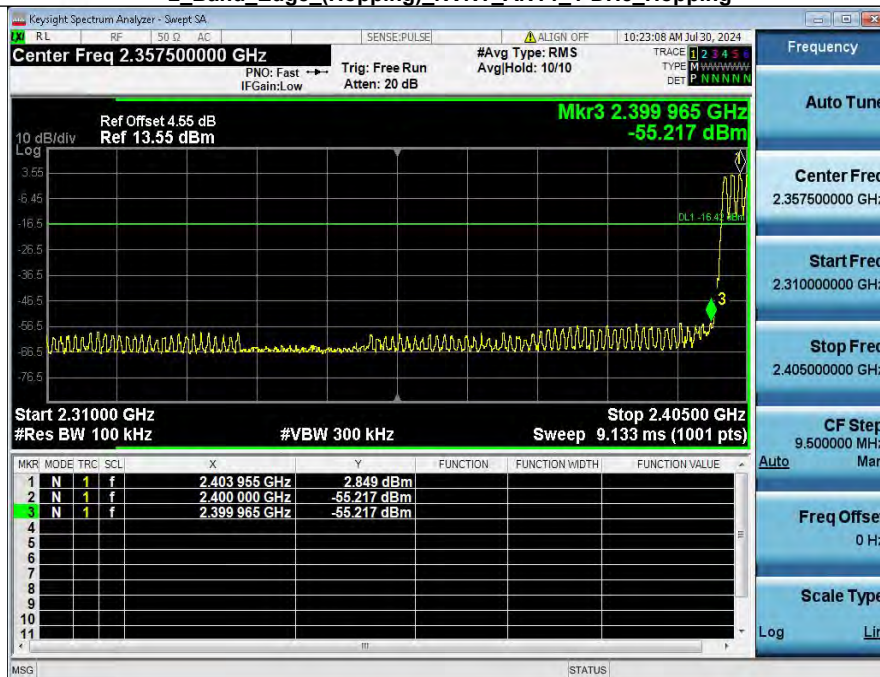


1_Reference_Level_Hopping_NVNT_ANT1_1-DH5_Hopping





2_Band_Edge_(Hopping)_NVNT_ANT1_1-DH5_Hopping

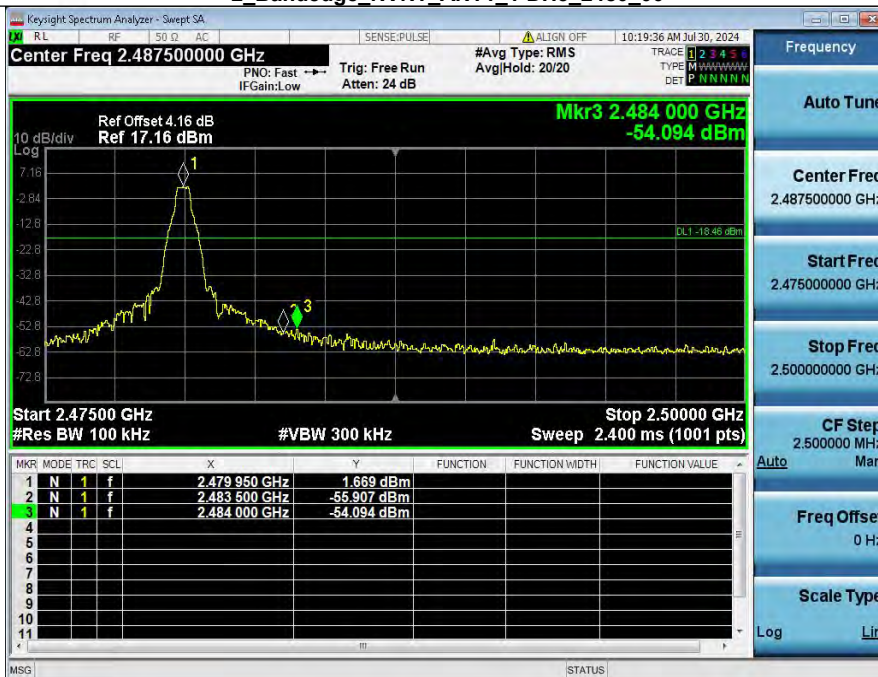


1_Reference_Level_NVNT_ANT1_1-DH5_2480_00



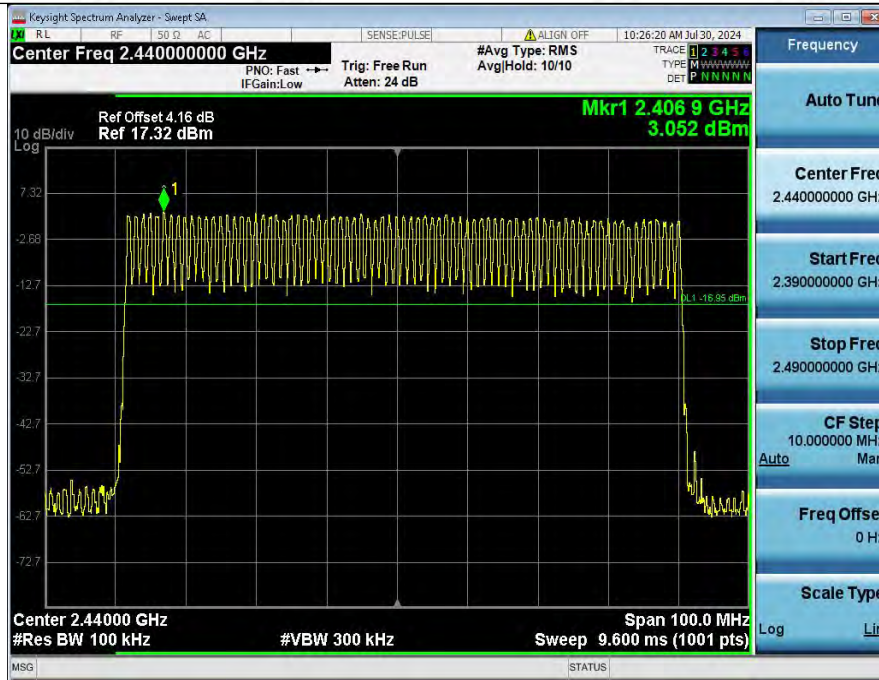


2_Bandedge_NVNT_ANT1_1-DH5_2480_00

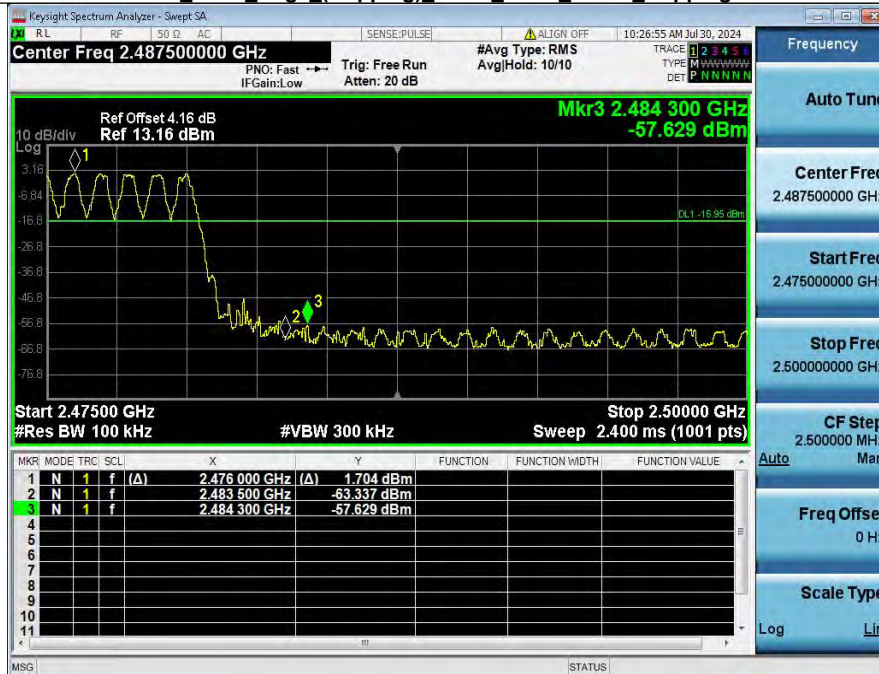


1_Reference_Level_Hopping_NVNT_ANT1_1-DH5_Hopping



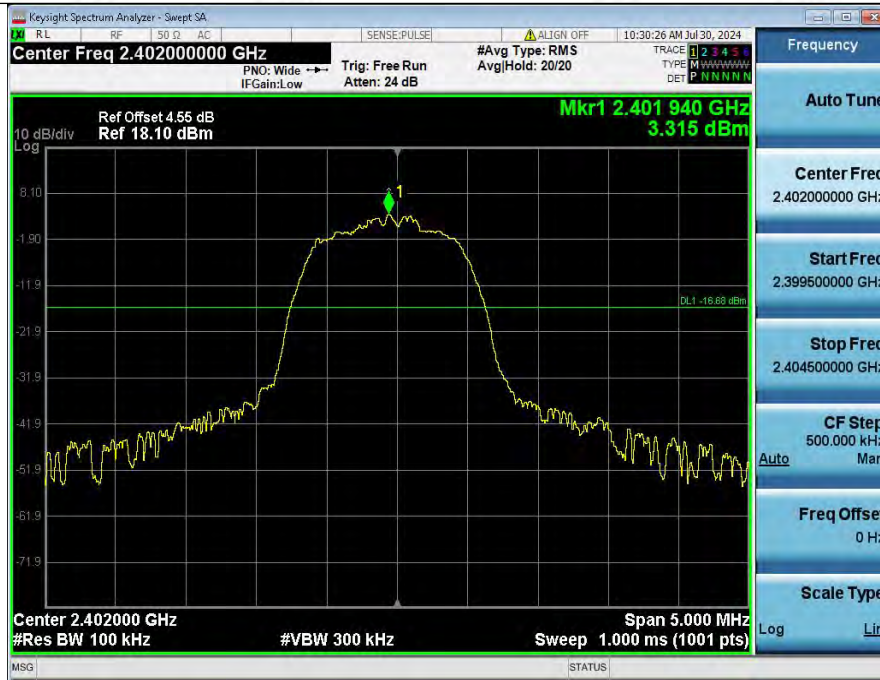


2_Band_Edge_(Hopping)_NVNT_ANT1_1-DH5_Hopping

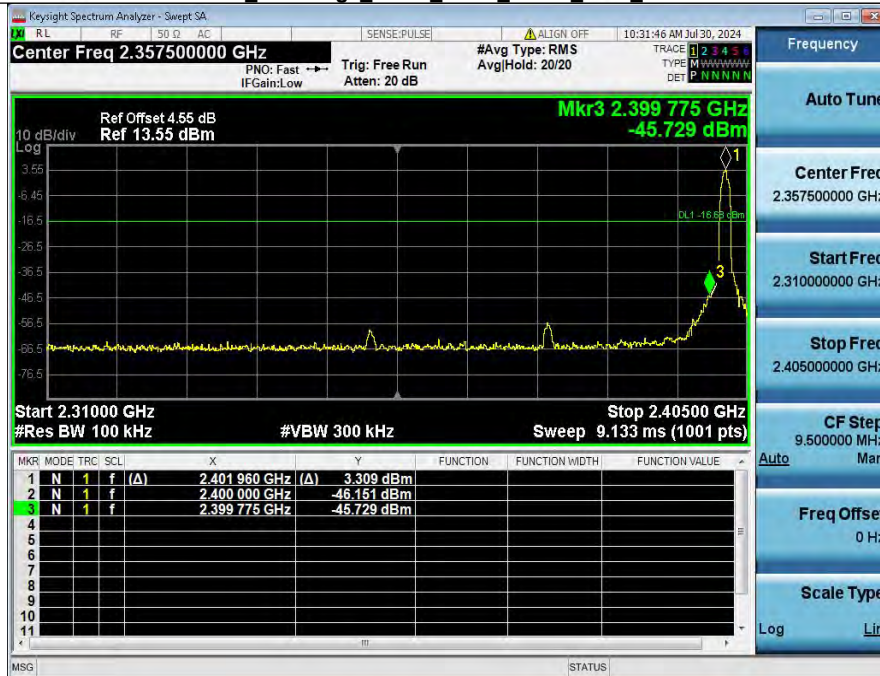


1_Reference_Level_NVNT_ANT1_2-DH5_2402_00



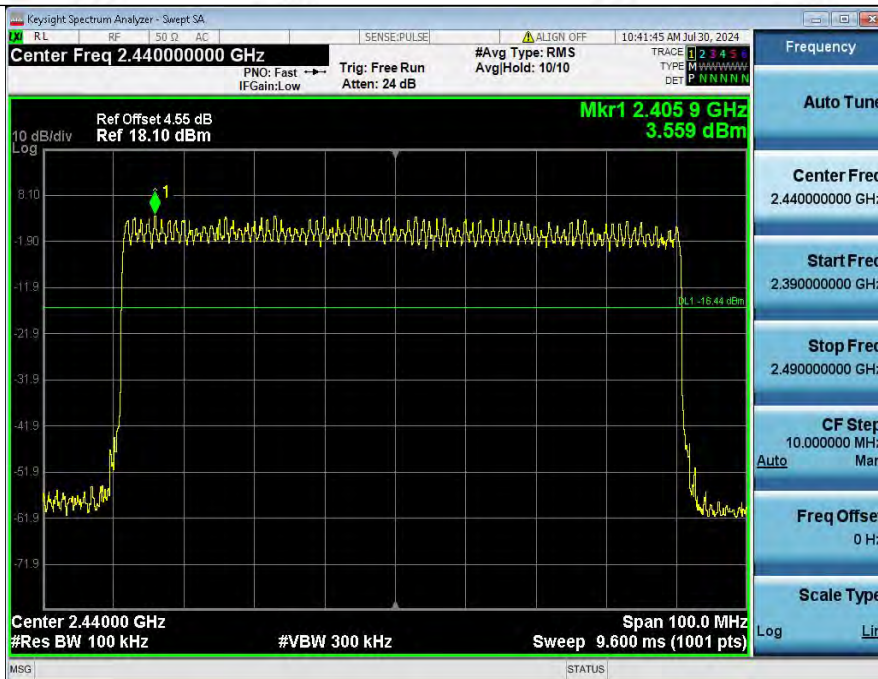


2_Bandedge_NVNT_ANT1_2-DH5_2402_00

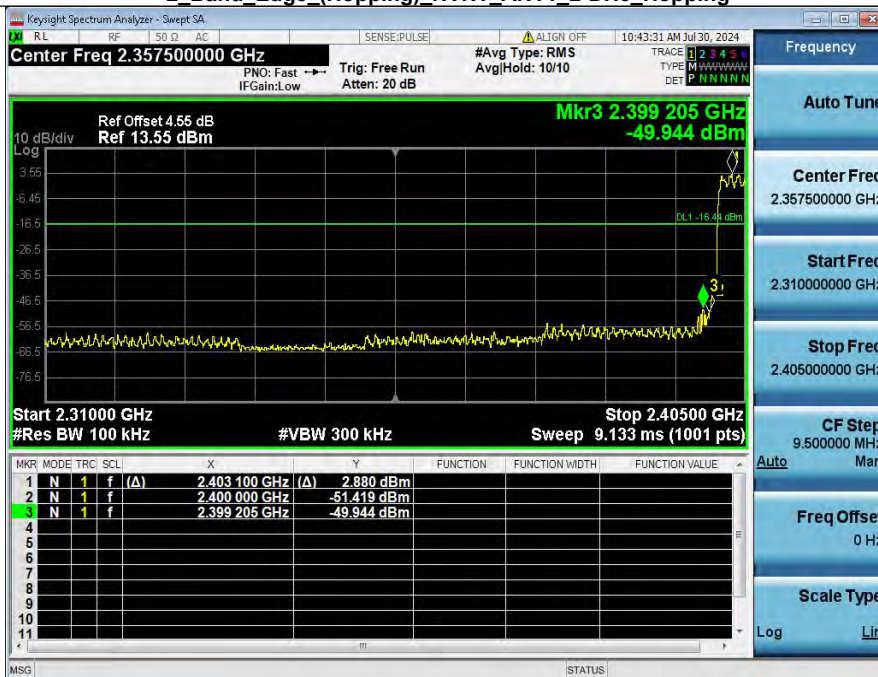


1_Reference_Level_Hopping_NVNT_ANT1_2-DH5_Hopping



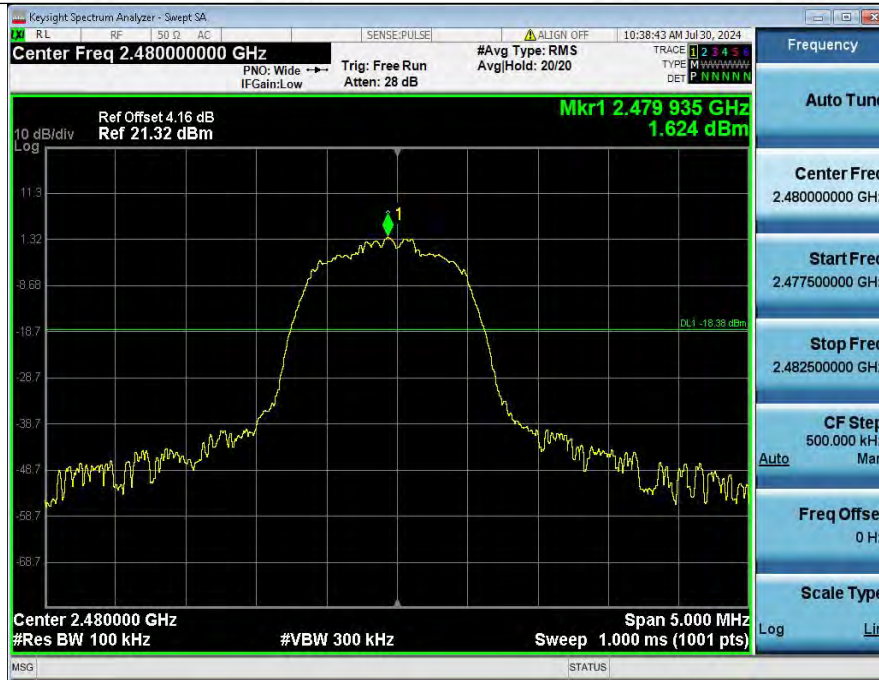


2_Band_Edge_(Hopping)_NVNT_ANT1_2-DH5_Hopping

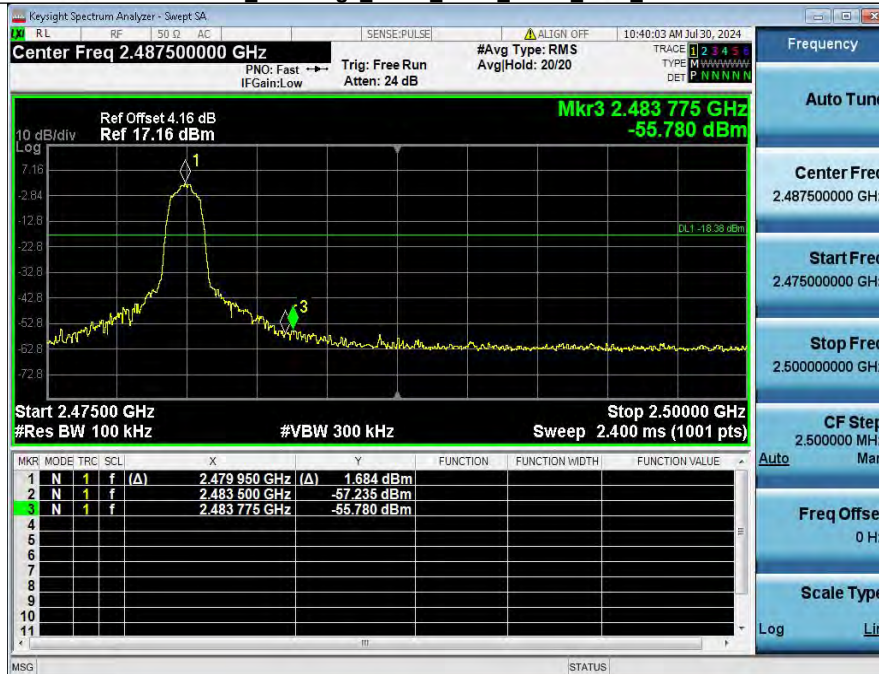


1_Reference_Level_NVNT_ANT1_2-DH5_2480_00





2_Bandedge_NVNT_ANT1_2-DH5_2480_00

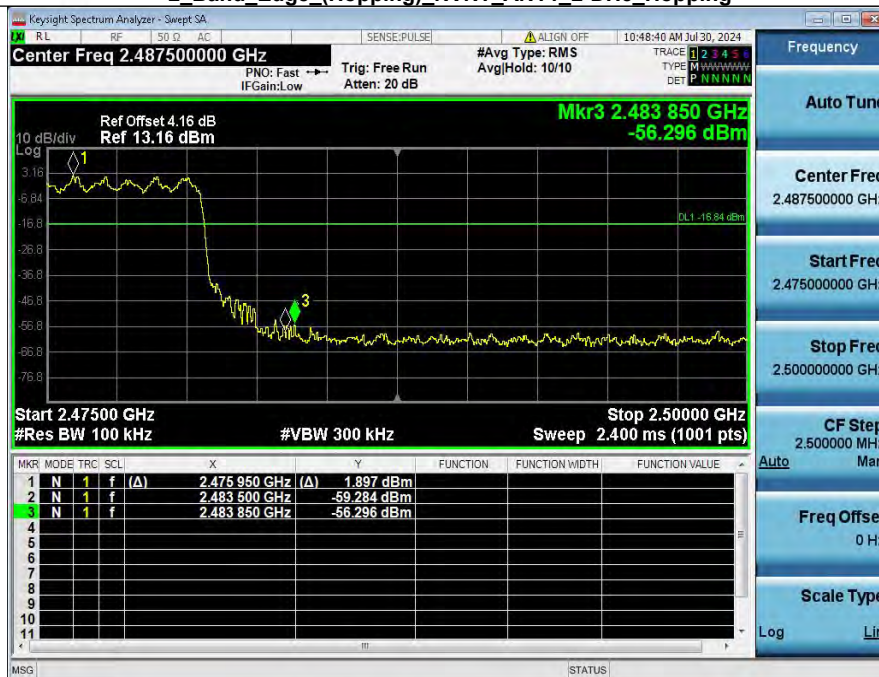


1_Reference_Level_Hopping_NVNT_ANT1_2-DH5_Hopping



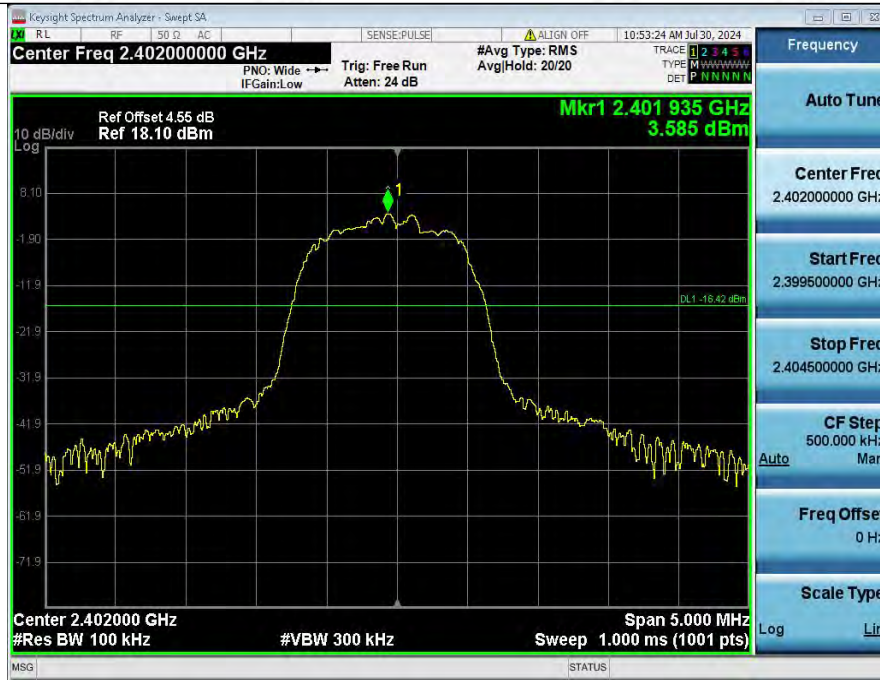


2_Band_Edge_(Hopping)_NVNT_ANT1_2-DH5_Hopping

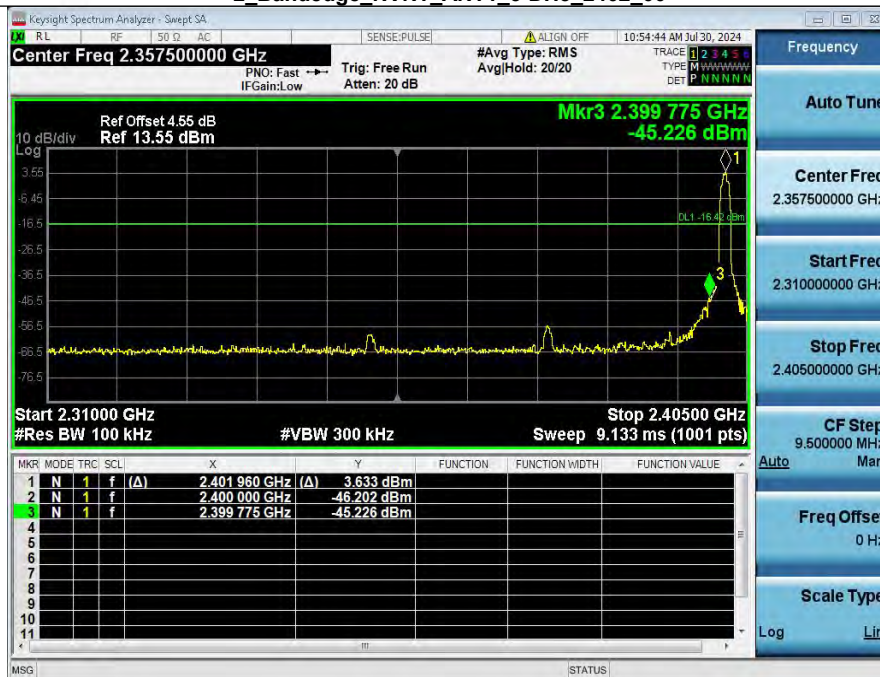


1_Reference_Level_NVNT_ANT1_3-DH5_2402_00





2_Bandedge_NVNT_ANT1_3-DH5_2402_00

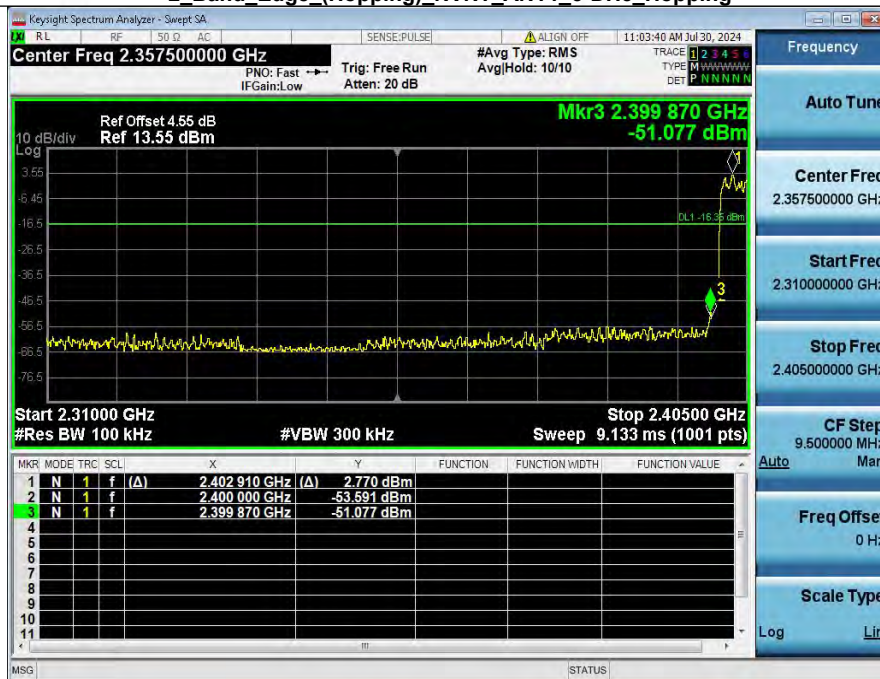


1_Reference_Level_Hopping_NVNT_ANT1_3-DH5_Hopping



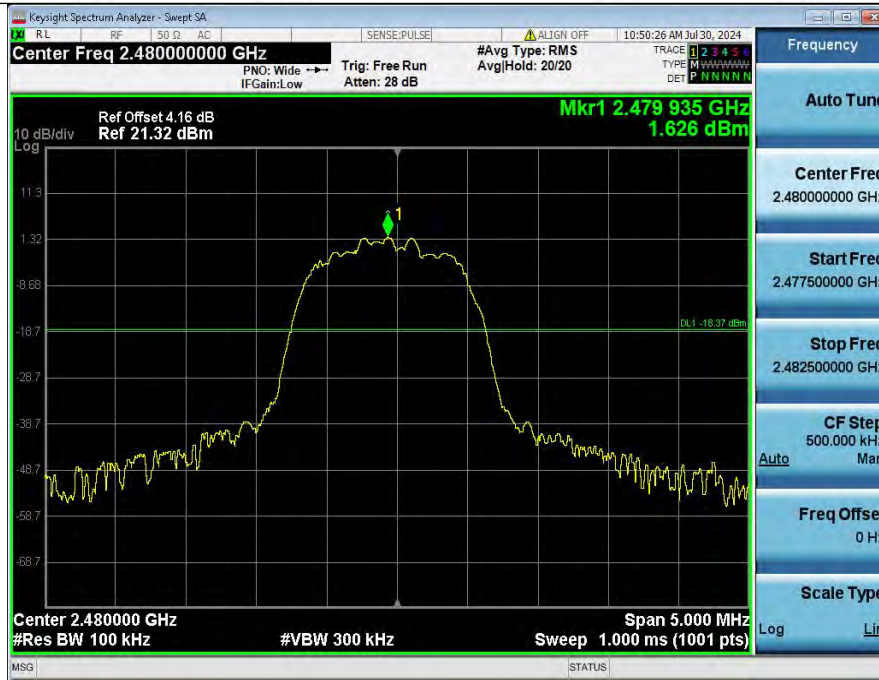


2_Band_Edge_(Hopping) NVNT ANT1_3-DH5 Hopping

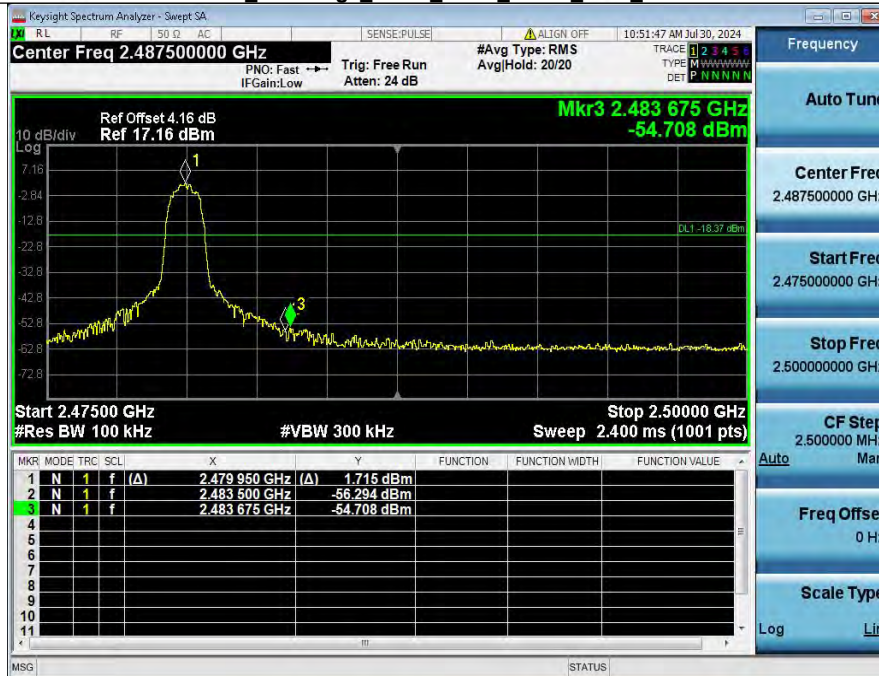


1_Reference_Level_NVNT_ANT1_3-DH5_2480_00





2_Bandedge_NVNT_ANT1_3-DH5_2480_00

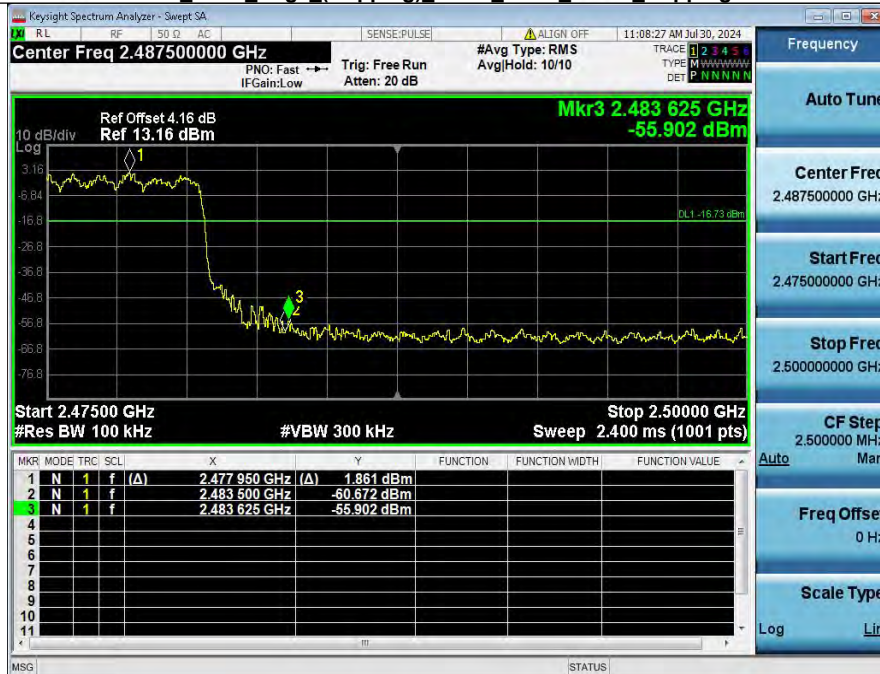


1_Reference_Level_Hopping_NVNT_ANT1_3-DH5_Hopping





2_Band_Edge_(Hopping) NVNT ANT1_3-DH5 Hopping



6. 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-DH5	2441.00	2440.852	2442.091	1.24	0.954	Pass
NVNT	ANT1	2-DH5	2441.00	2441.071	2441.950	0.88	0.877	Pass
NVNT	ANT1	3-DH5	2441.00	2440.915	2442.085	1.17	0.873	Pass

Carrier_Frequencies_Separation_(Hopping)_NVNT_ANT1_1-DH5_Hopping



Carrier_Frequencies_Separation_(Hopping)_NVNT_ANT1_2-DH5_Hopping



Carrier_Frequencies_Separation_(Hopping)_NVNT_ANT1_3-DH5_Hopping





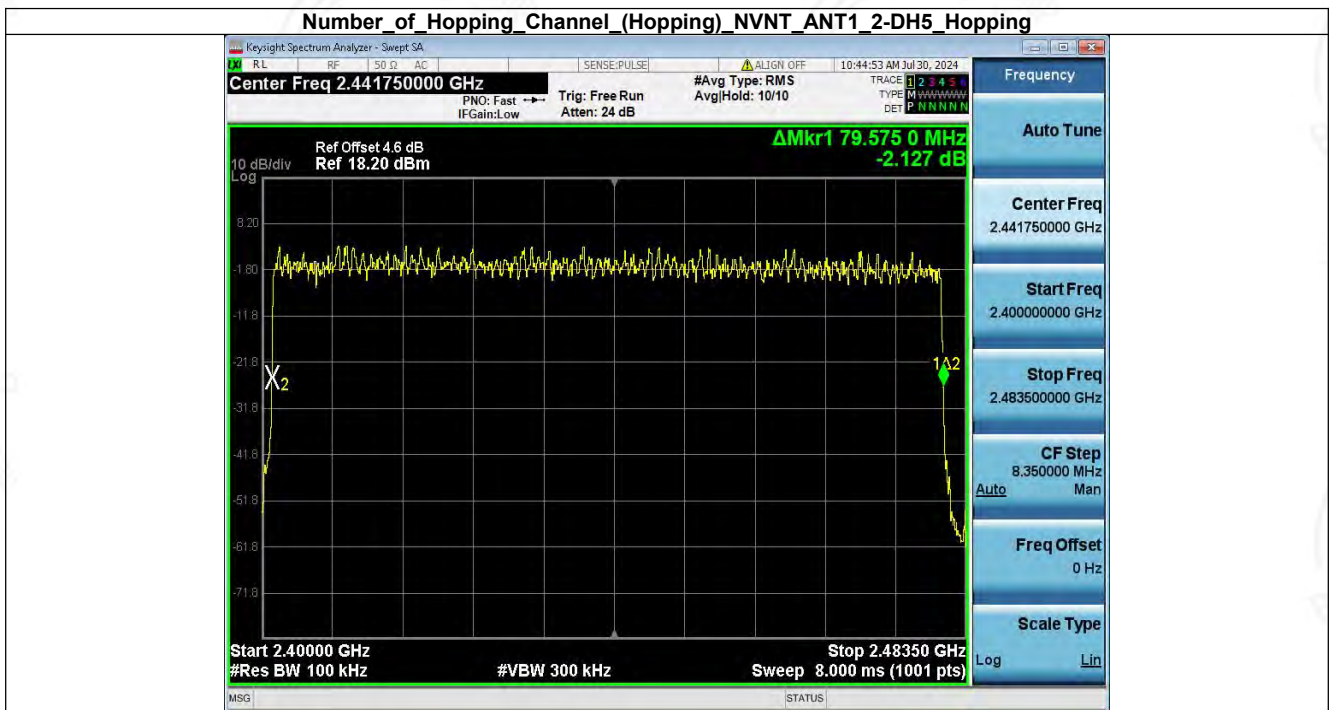
7. Number of Hopping Channel (Hopping)

Condition	Antenna	Modulation	Hopping Num	Limit	Result
NVNT	ANT1	1-DH5	79	15	Pass
NVNT	ANT1	2-DH5	79	15	Pass
NVNT	ANT1	3-DH5	79	15	Pass

Number_of_Hopping_Channel_(Hopping)_NVNT_ANT1_1-DH5_Hopping



Number_of_Hopping_Channel_(Hopping)_NVNT_ANT1_2-DH5_Hopping



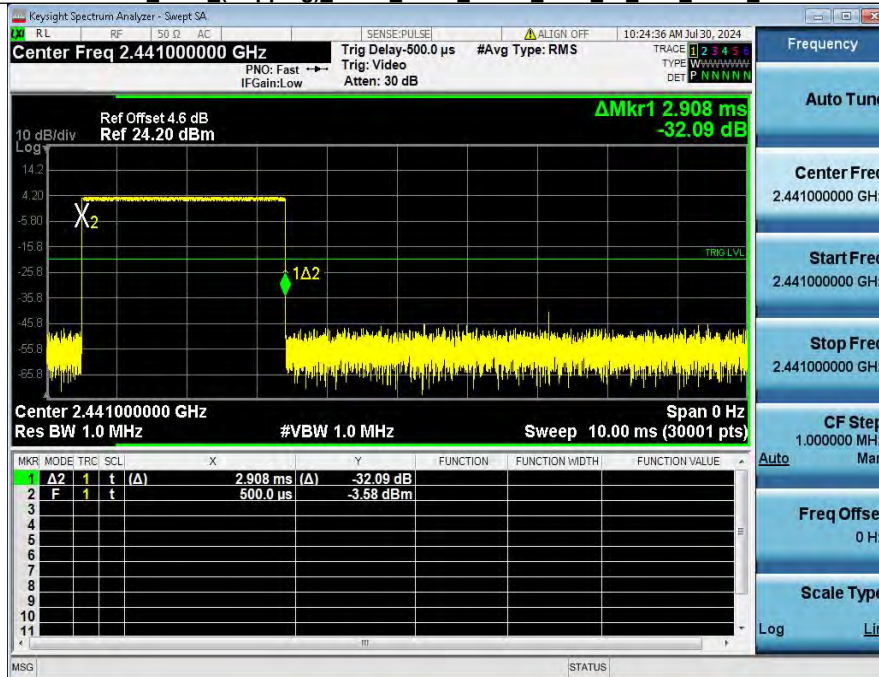
Number_of_Hopping_Channel_(Hopping)_NVNT_ANT1_3-DH5_Hopping



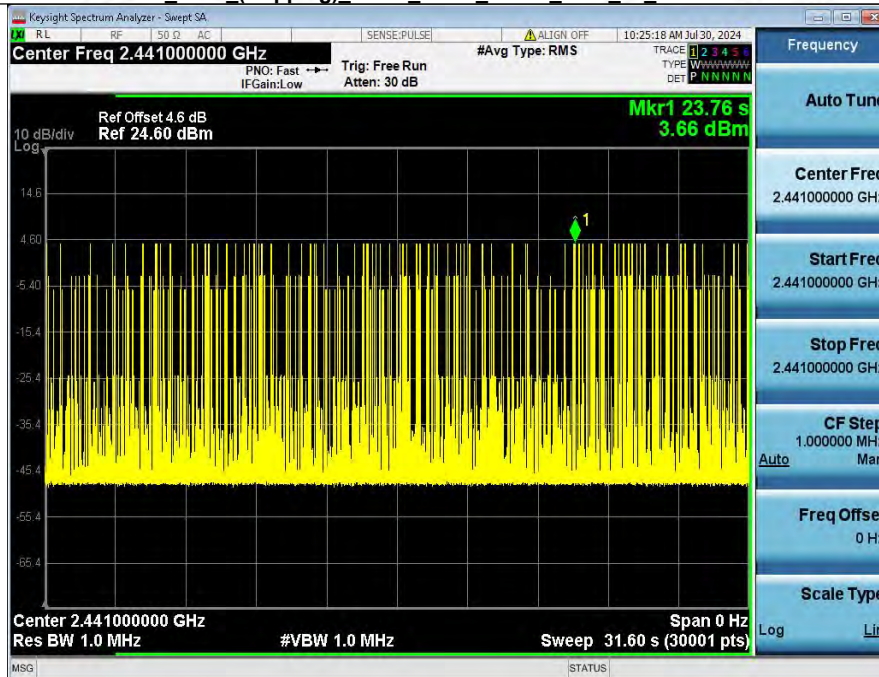
8. Dwell Time (Hopping)

Condition	Antenna	Packet Type	Pulse Time(ms)	Hops	Dwell Time(ms)	Limit(s)	Result
NVNT	ANT1	1-DH5	2.908	105.00	305.340	0.40	Pass
NVNT	ANT1	2-DH5	2.914	109.00	317.626	0.40	Pass
NVNT	ANT1	3-DH5	2.915	108.00	314.820	0.40	Pass

Dwell Time (Hopping) NVNT_ANT1_1-DH5_2441_00_One Burst Time

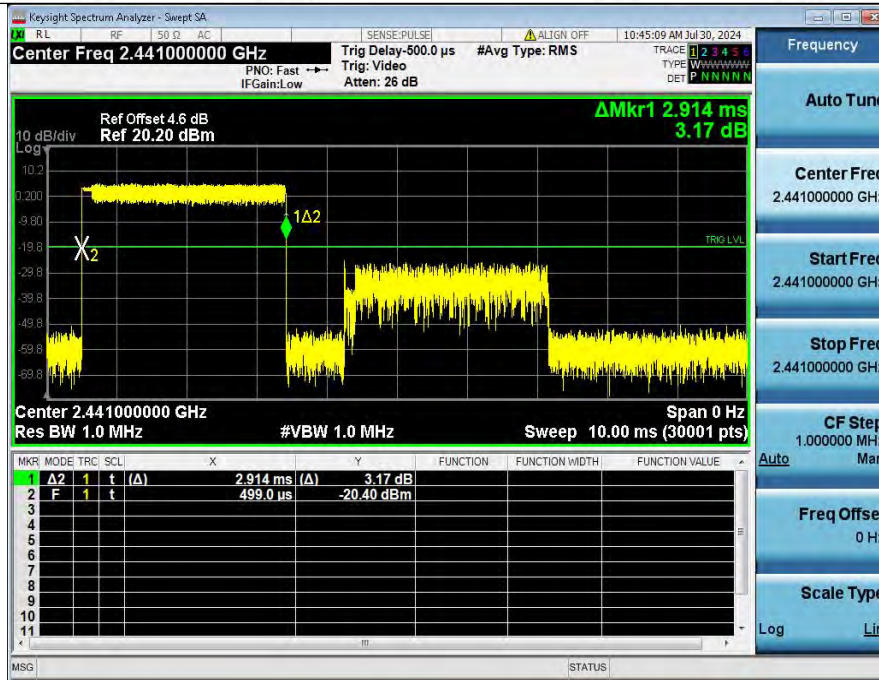


Dwell Time (Hopping) NVNT_ANT1_1-DH5_2441_00_Accumulated

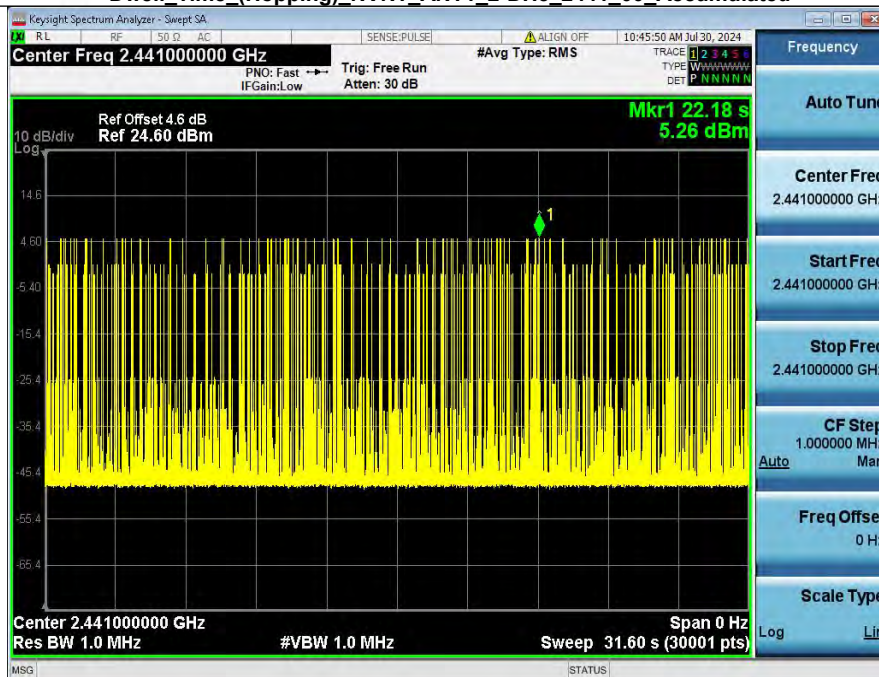


Dwell Time (Hopping) NVNT_ANT1_2-DH5_2441_00_One Burst Time



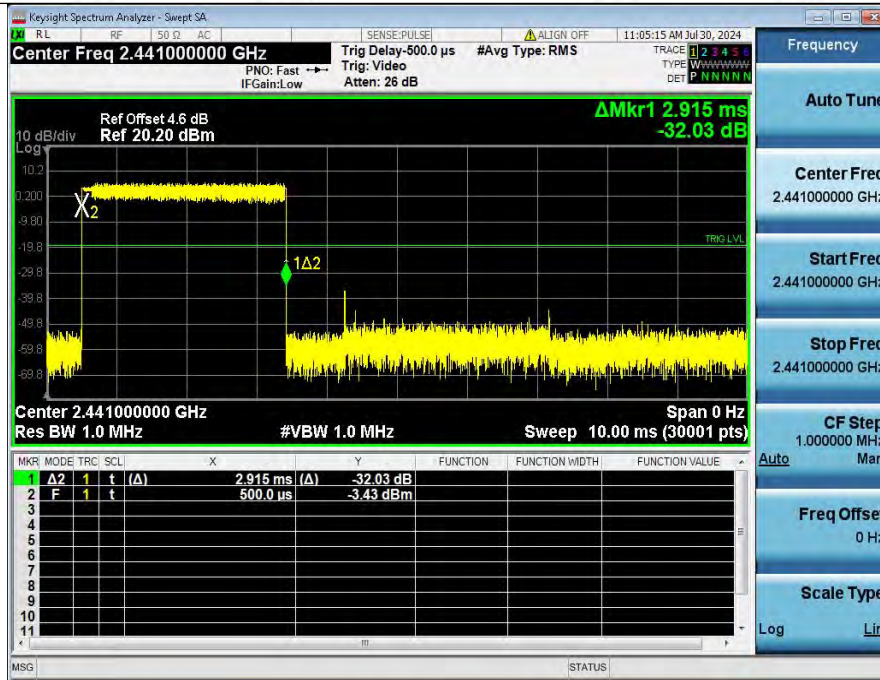


Dwell_Time_(Hopping)_NVNT_ANT1_2-DH5_2441_00_Accumulated



Dwell_Time_(Hopping)_NVNT_ANT1_3-DH5_2441_00_One_Burst_Time





Dwell Time (Hopping) NVNT_ANT1_3-DH5_2441_00_Accumulated

