

Appendix

Test Data

for BTEK250606024A01-T01

Start date	2025/7/21	Finish date	2025/7/21
Temperature	23.0℃	Humidity	54%
RF specifications	BT	Test Engineer	Zora



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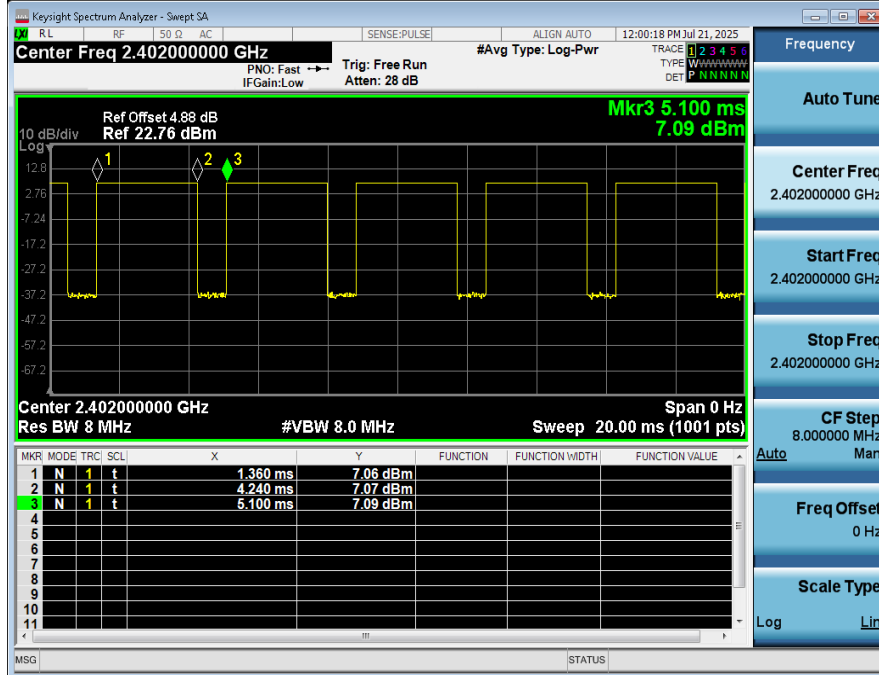
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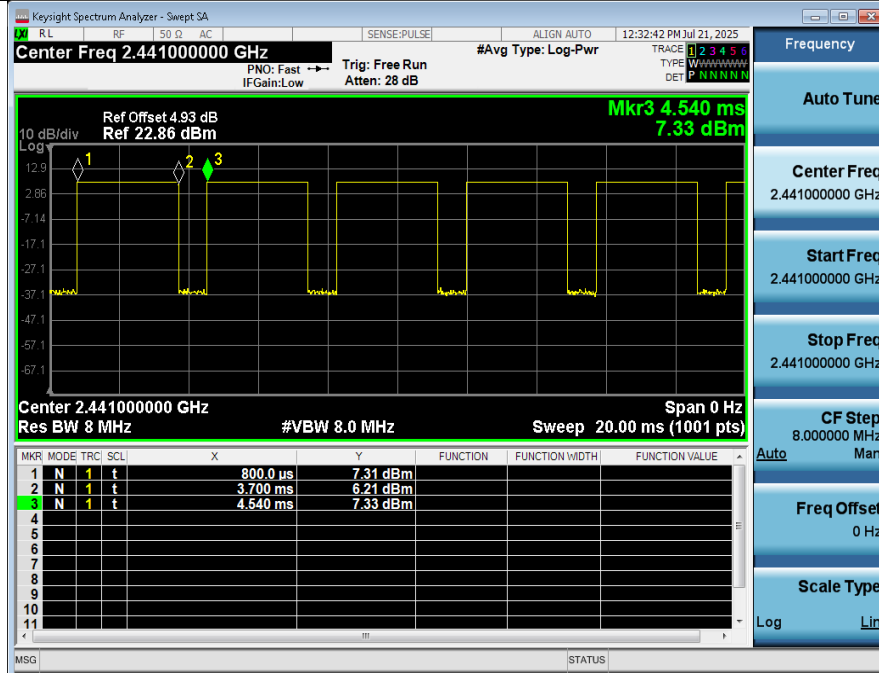
1. Duty Cycle

Condition	Antenna	Rate	Frequency (MHz)	Dutycycle(%)	Duty_factor
NVNT	ANT1	1-DH5	2402.00	77.54	1.10
NVNT	ANT1	1-DH5	2441.00	77.54	1.10
NVNT	ANT1	1-DH5	2480.00	78.07	1.07
NVNT	ANT1	2-DH5	2402.00	77.54	1.10
NVNT	ANT1	2-DH5	2441.00	77.42	1.11
NVNT	ANT1	2-DH5	2480.00	77.96	1.08
NVNT	ANT1	3-DH5	2402.00	78.07	1.07
NVNT	ANT1	3-DH5	2441.00	77.96	1.08
NVNT	ANT1	3-DH5	2480.00	78.07	1.07

Duty_Cycle_NVNT_ANT1_1-DH5_2402

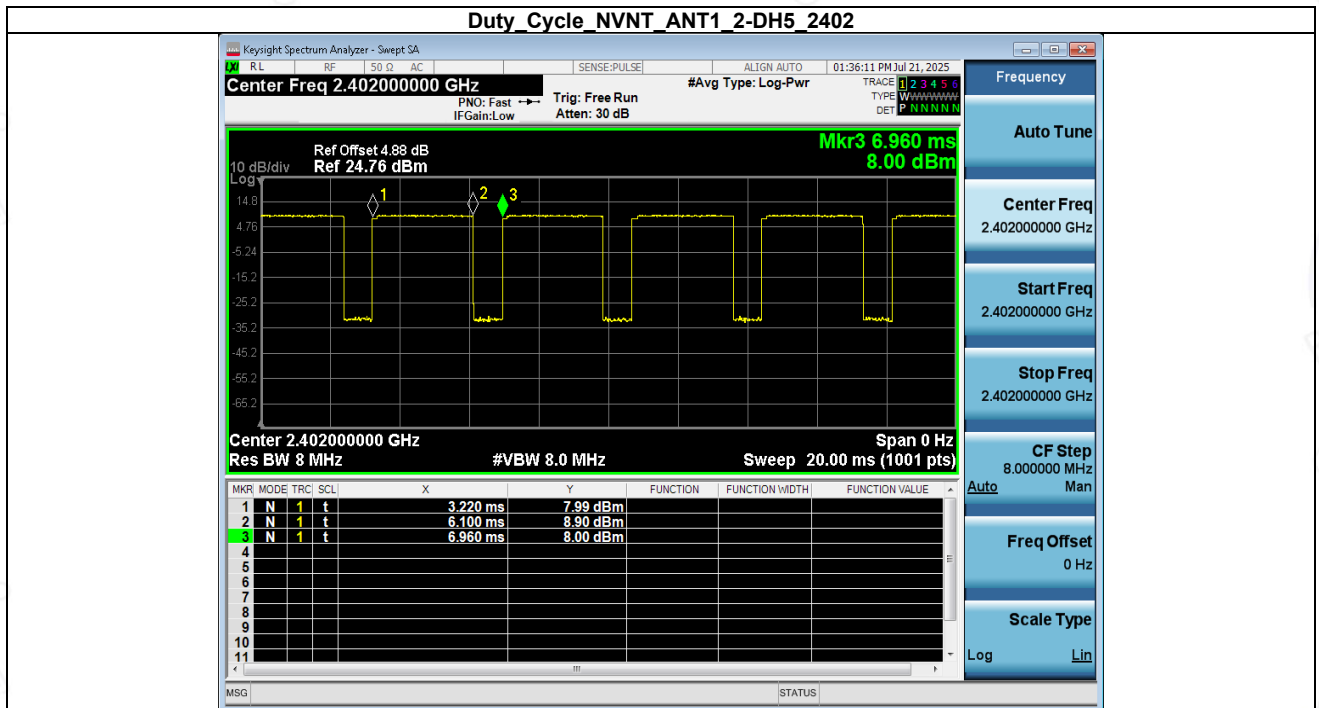
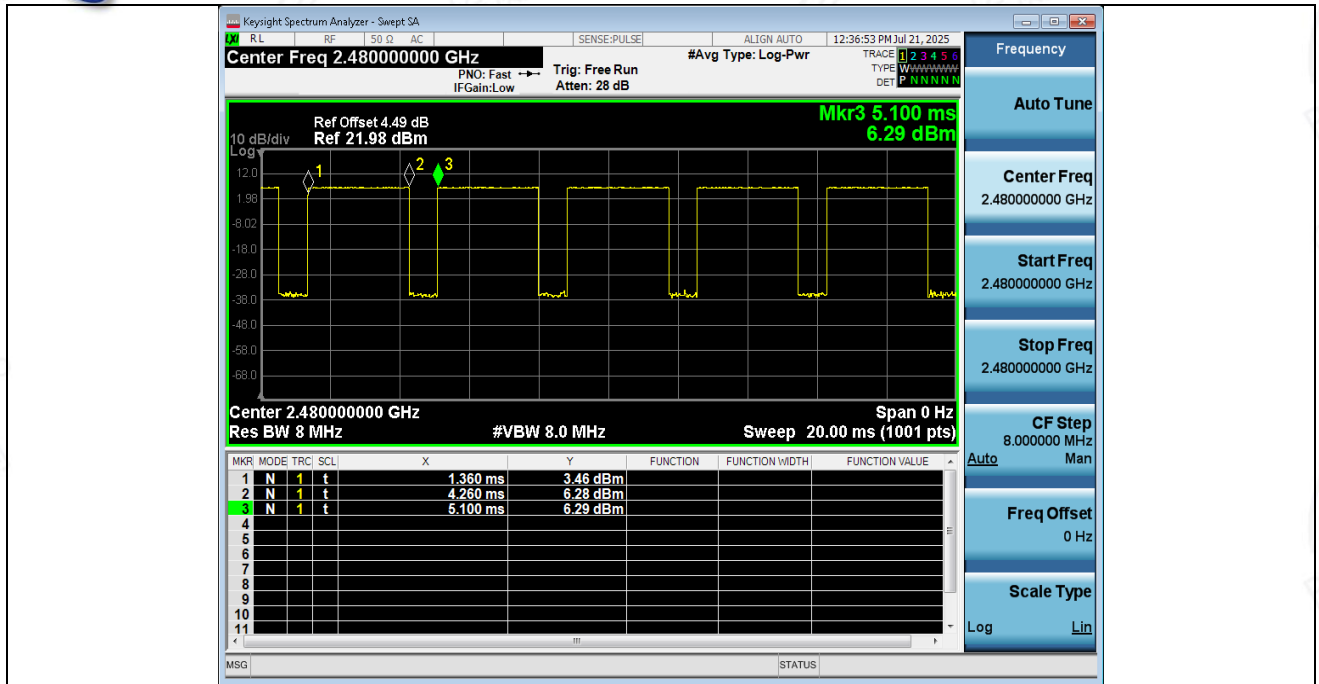


Duty_Cycle_NVNT_ANT1_1-DH5_2441



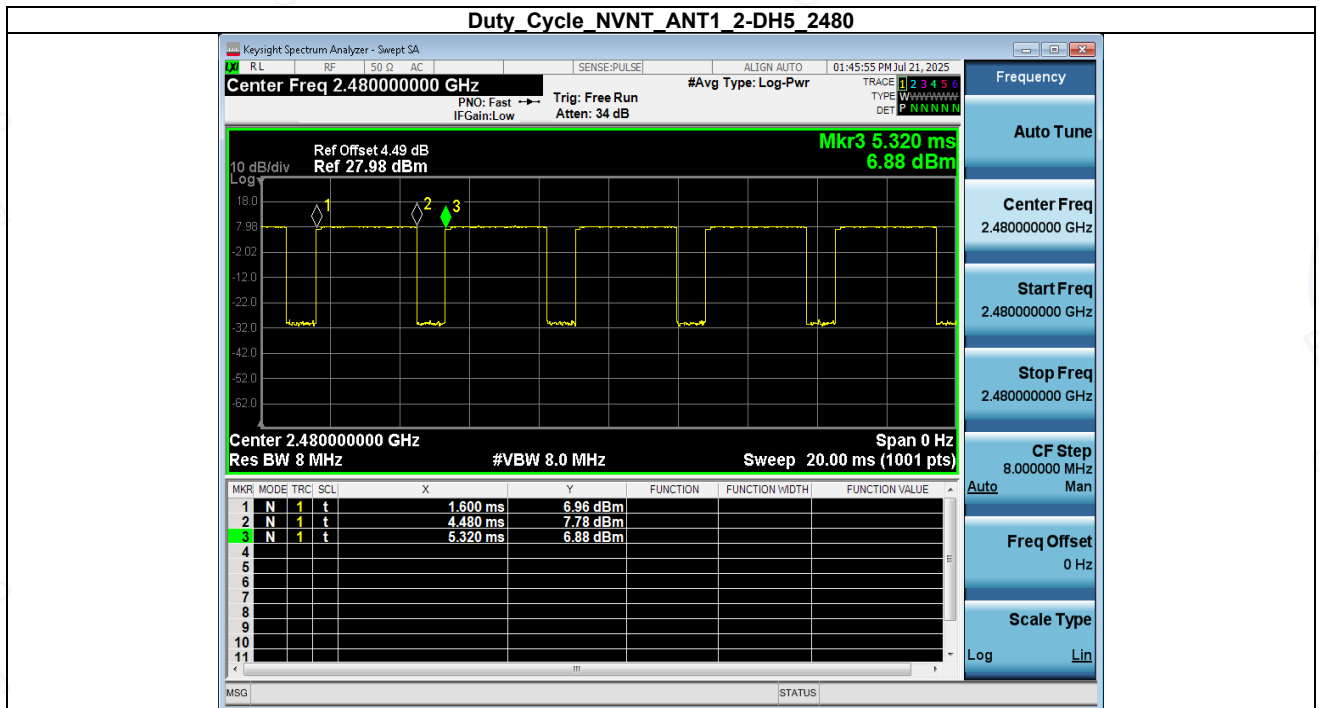
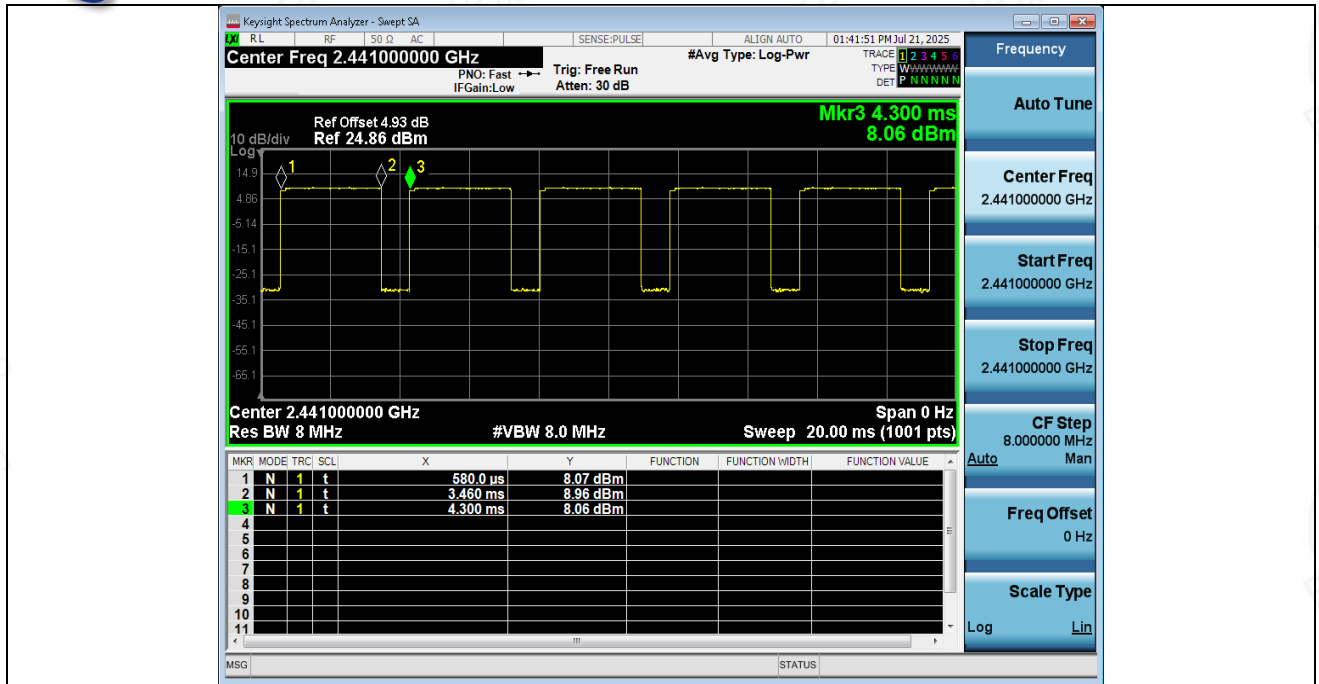
Duty_Cycle_NVNT_ANT1_1-DH5_2480





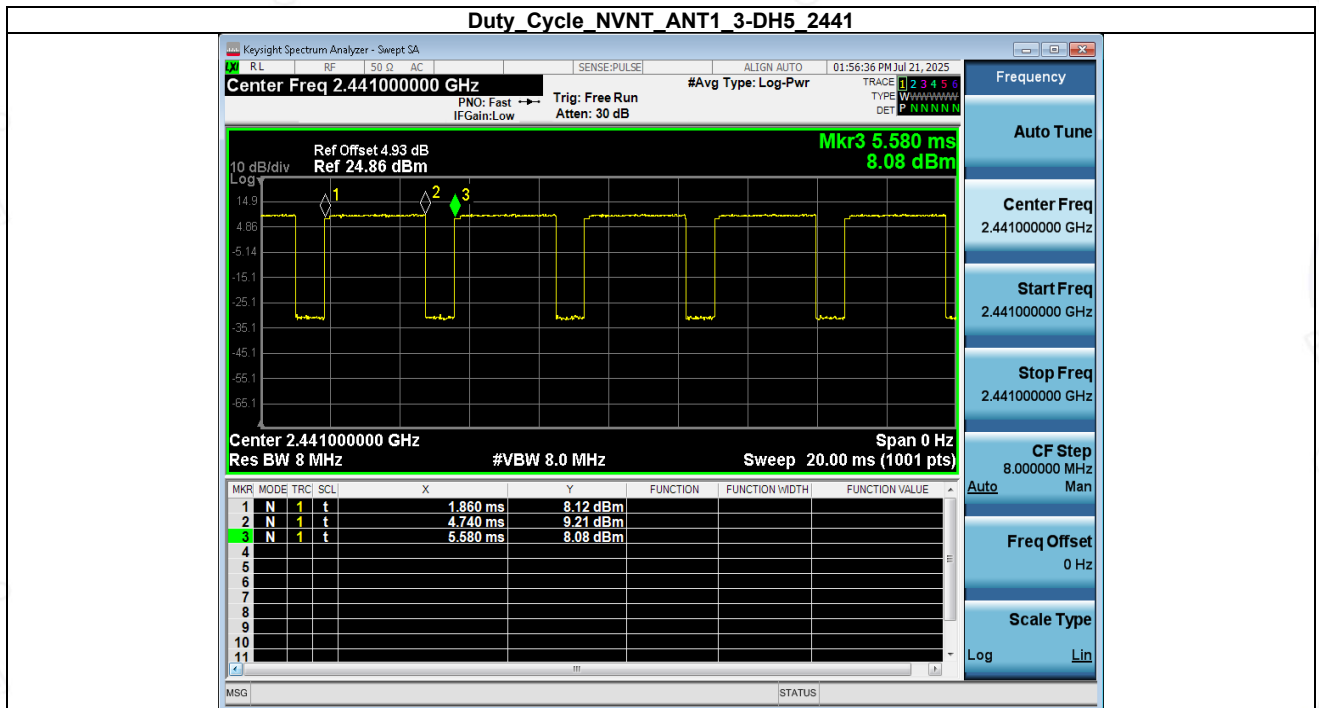
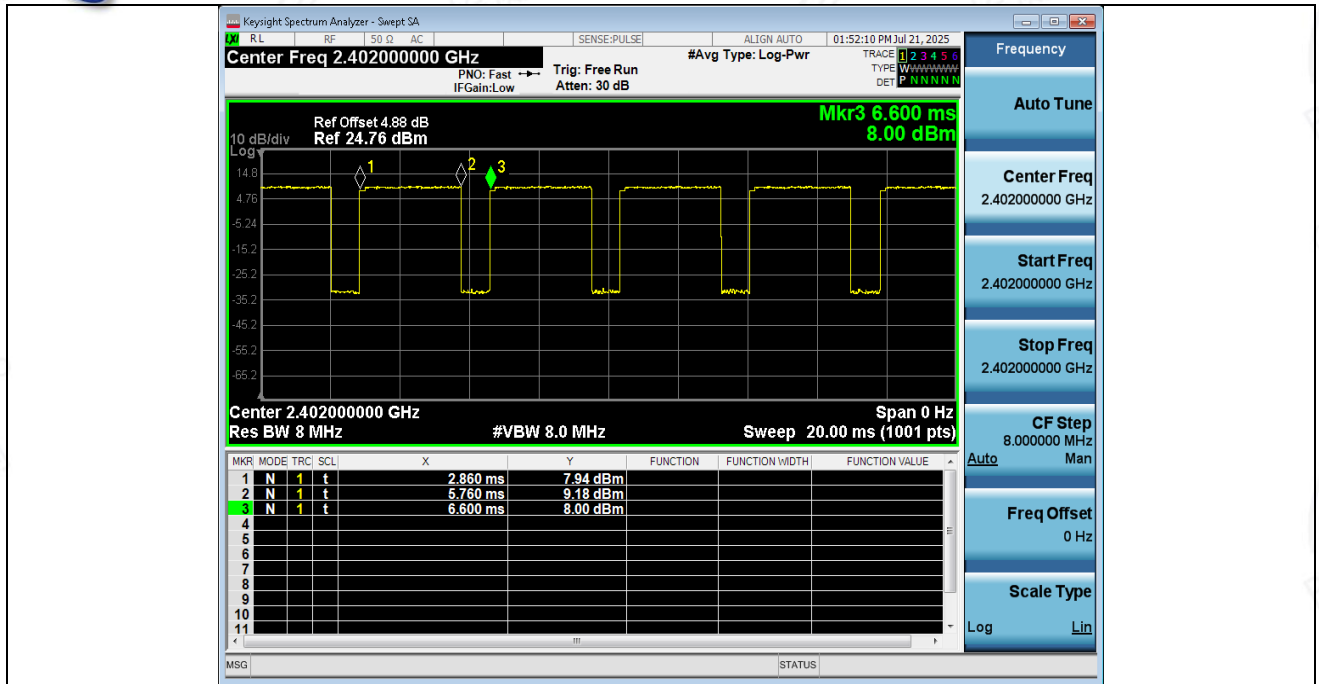
Duty Cycle_NVNT_ANT1_2-DH5_2441





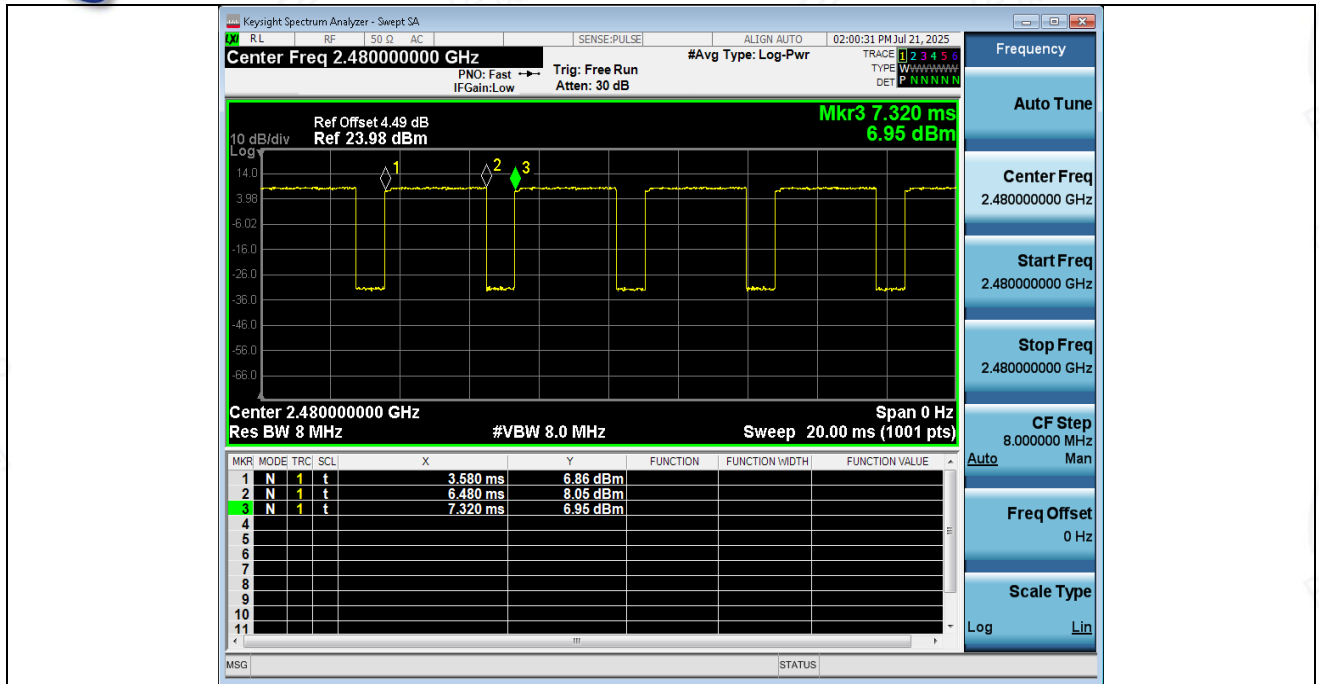
Duty Cycle_NVNT_ANT1_3-DH5_2402





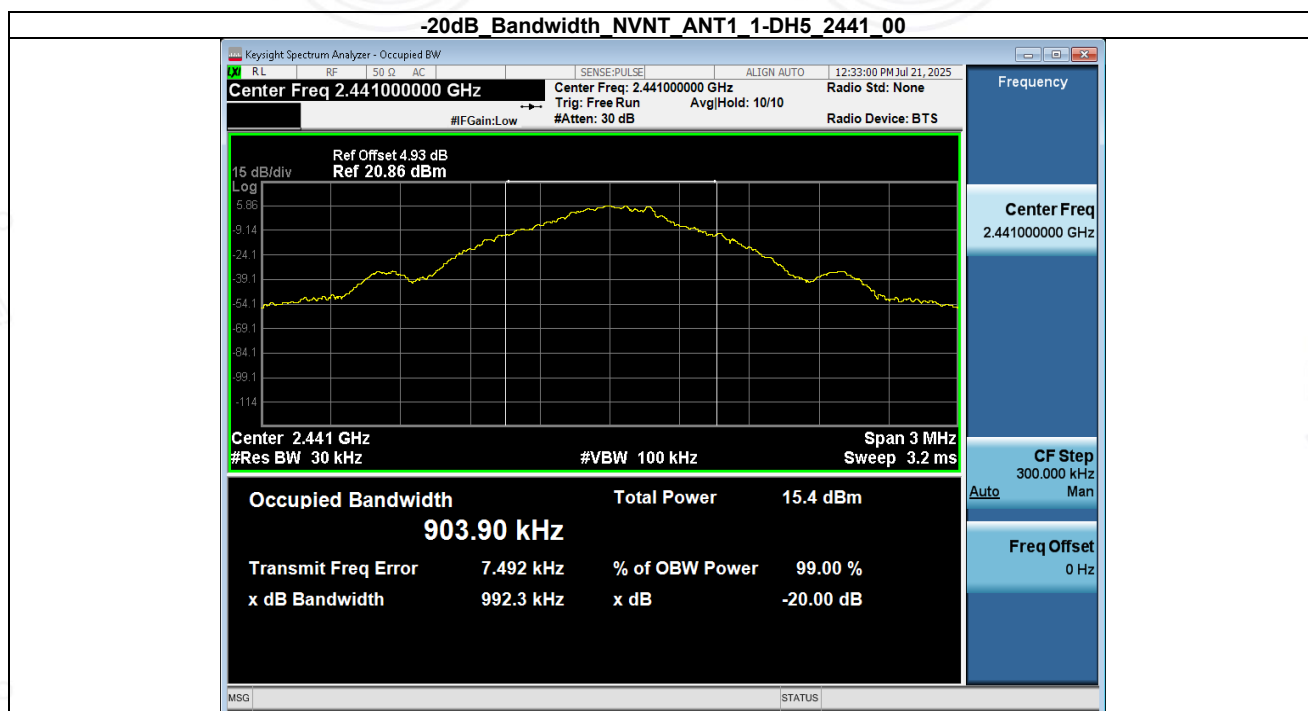
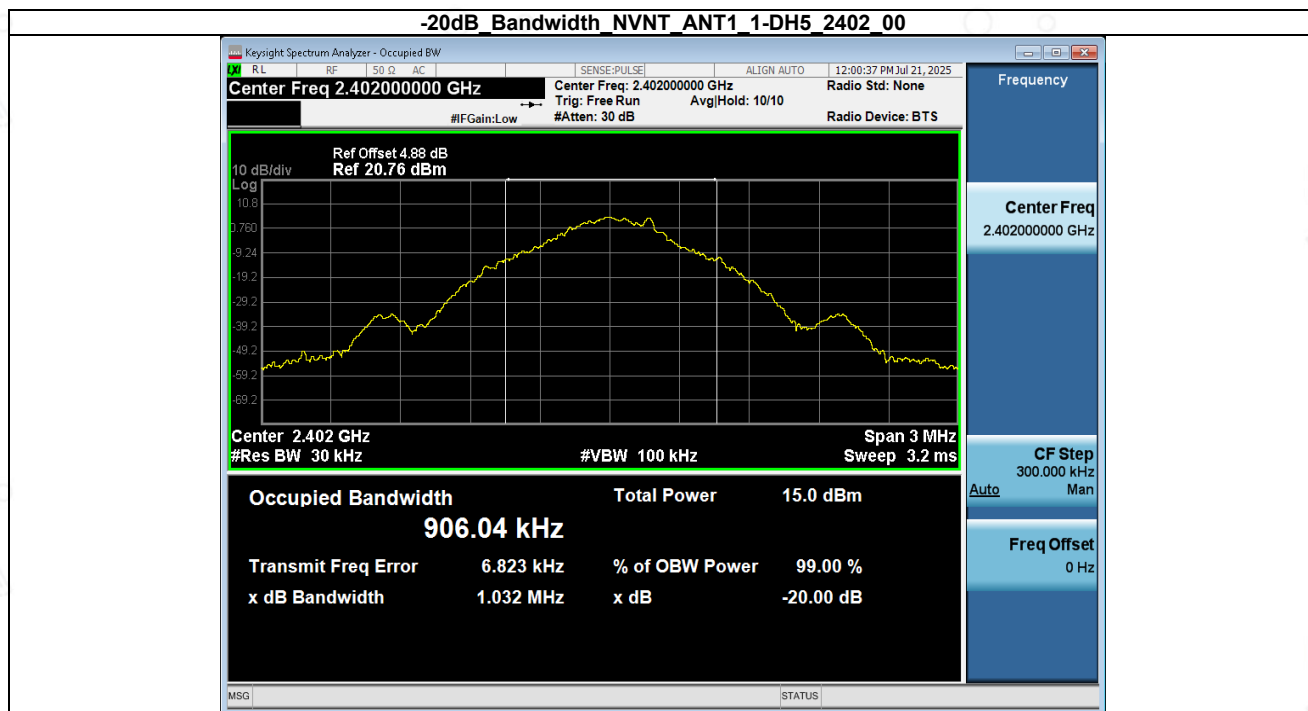
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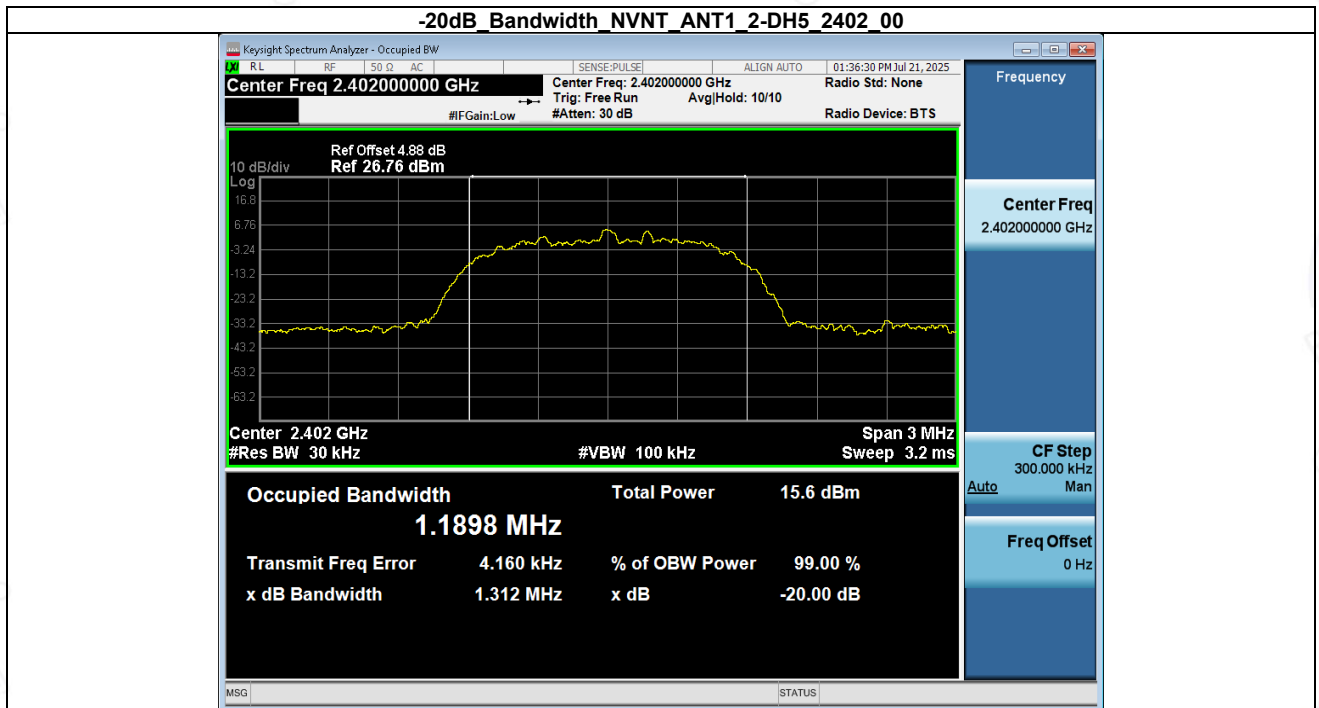


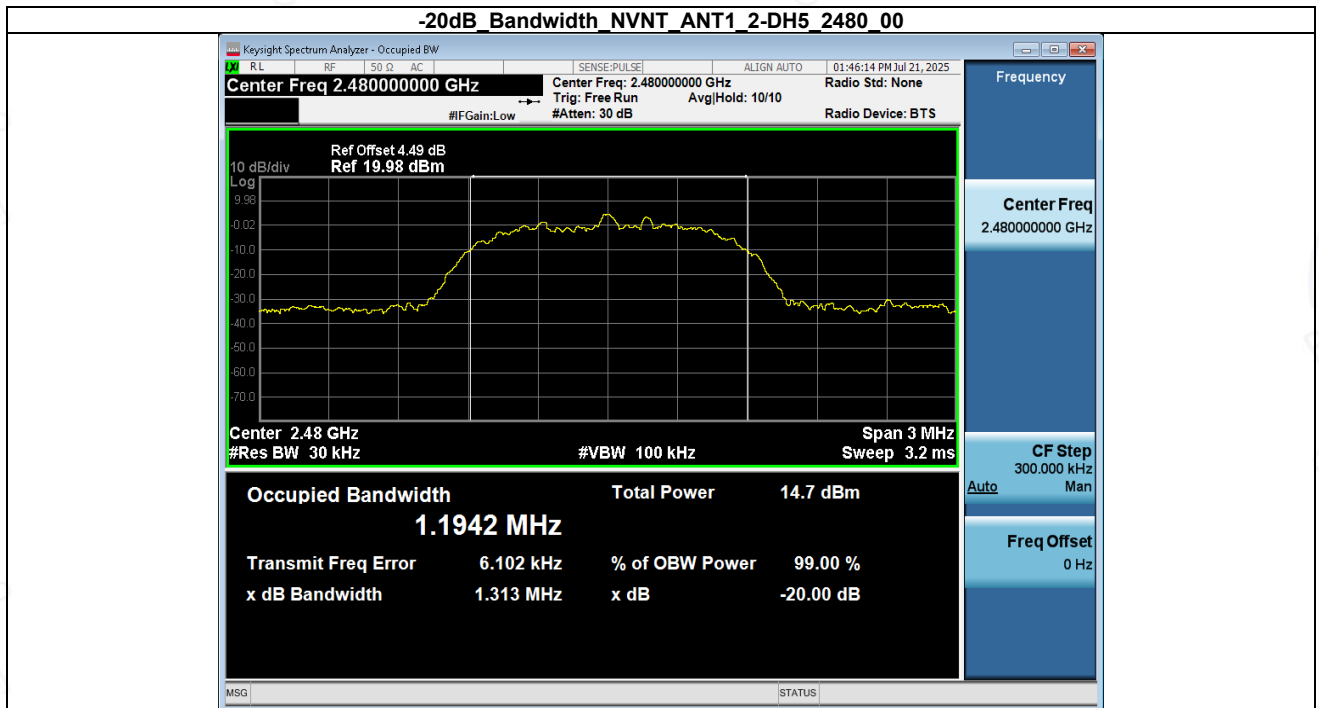


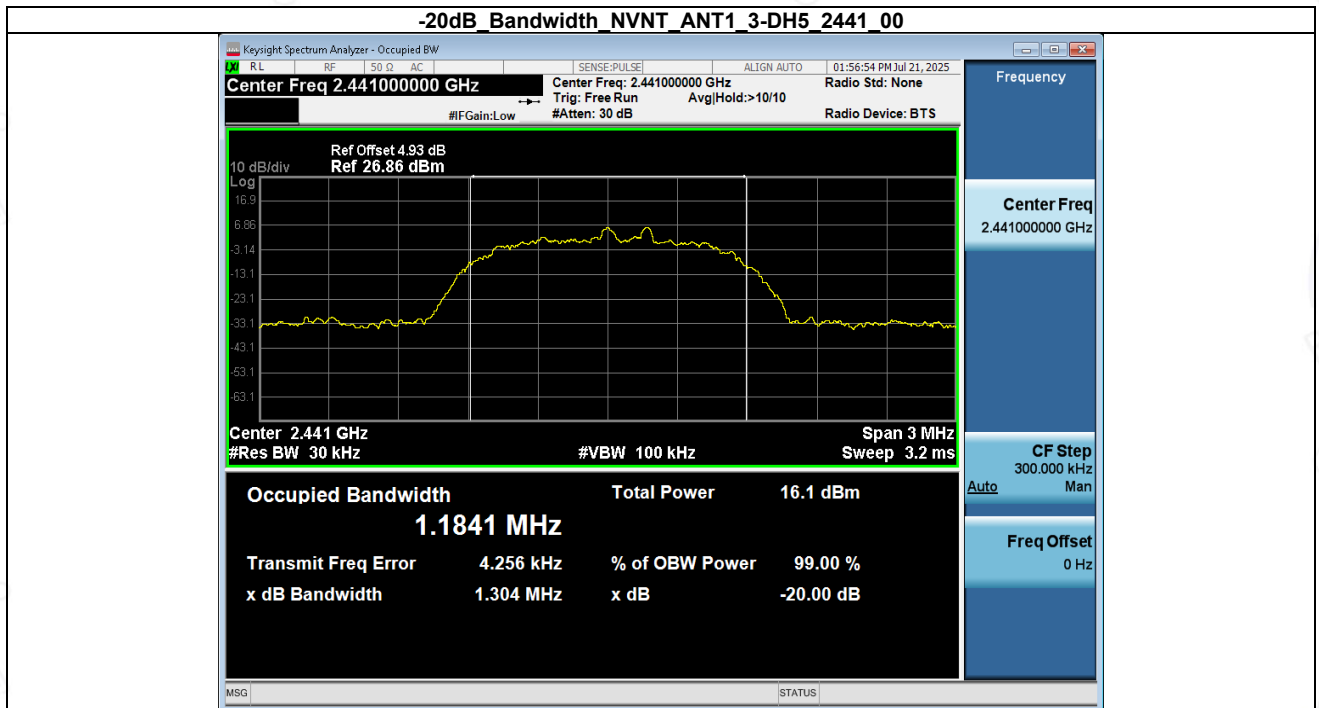
2. -20dB Bandwidth

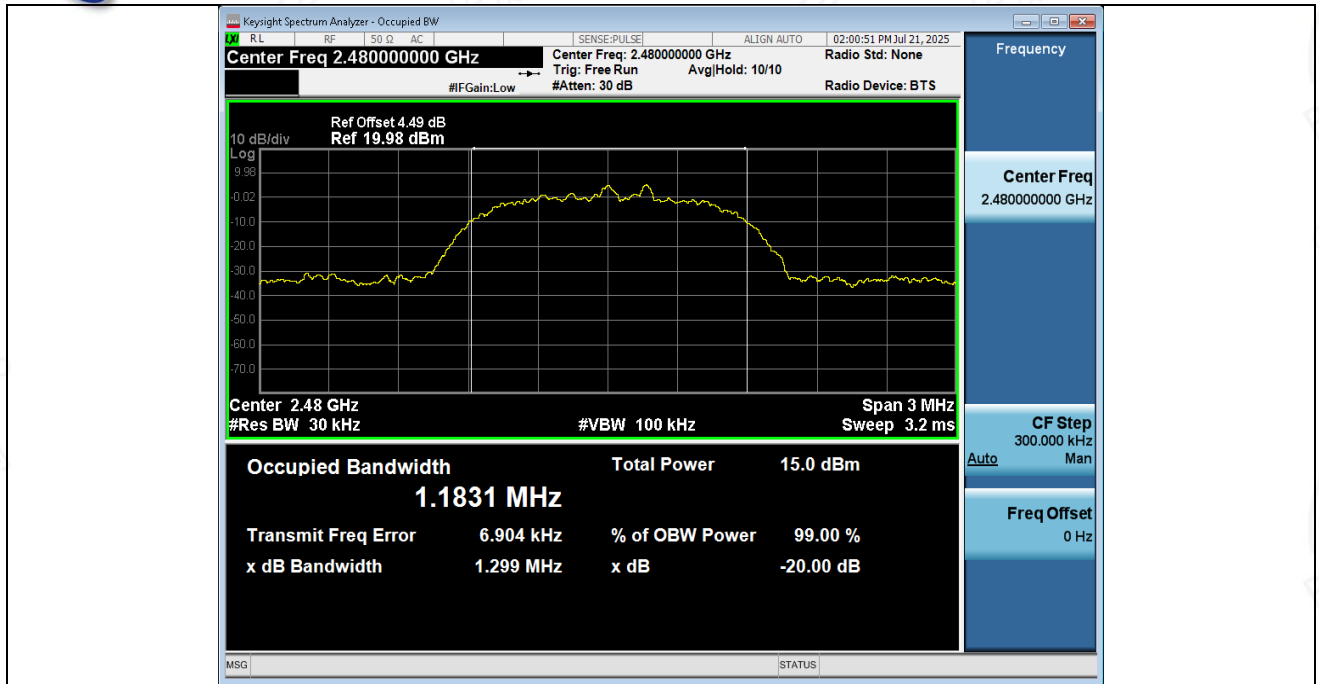
Condition	Antenna	Modulation	Frequency (MHz)	-20dB BW(MHz)	if larger than CFS
NVNT	ANT1	1-DH5	2402.00	1.032	Yes
NVNT	ANT1	1-DH5	2441.00	0.992	No
NVNT	ANT1	1-DH5	2480.00	1.030	Yes
NVNT	ANT1	2-DH5	2402.00	1.312	Yes
NVNT	ANT1	2-DH5	2441.00	1.306	Yes
NVNT	ANT1	2-DH5	2480.00	1.313	Yes
NVNT	ANT1	3-DH5	2402.00	1.296	Yes
NVNT	ANT1	3-DH5	2441.00	1.304	Yes
NVNT	ANT1	3-DH5	2480.00	1.299	Yes











3. 99% Occupied Bandwidth

Condition	Antenna	Modulation	Frequency (MHz)	99% BW (MHz)
NVNT	ANT1	1-DH5	2402.00	0.908
NVNT	ANT1	1-DH5	2441.00	0.910
NVNT	ANT1	1-DH5	2480.00	0.905
NVNT	ANT1	2-DH5	2402.00	1.189
NVNT	ANT1	2-DH5	2441.00	1.194
NVNT	ANT1	2-DH5	2480.00	1.196
NVNT	ANT1	3-DH5	2402.00	1.179
NVNT	ANT1	3-DH5	2441.00	1.183
NVNT	ANT1	3-DH5	2480.00	1.187

99% Occupied Bandwidth NVNT ANT1 1-DH5 2402_00

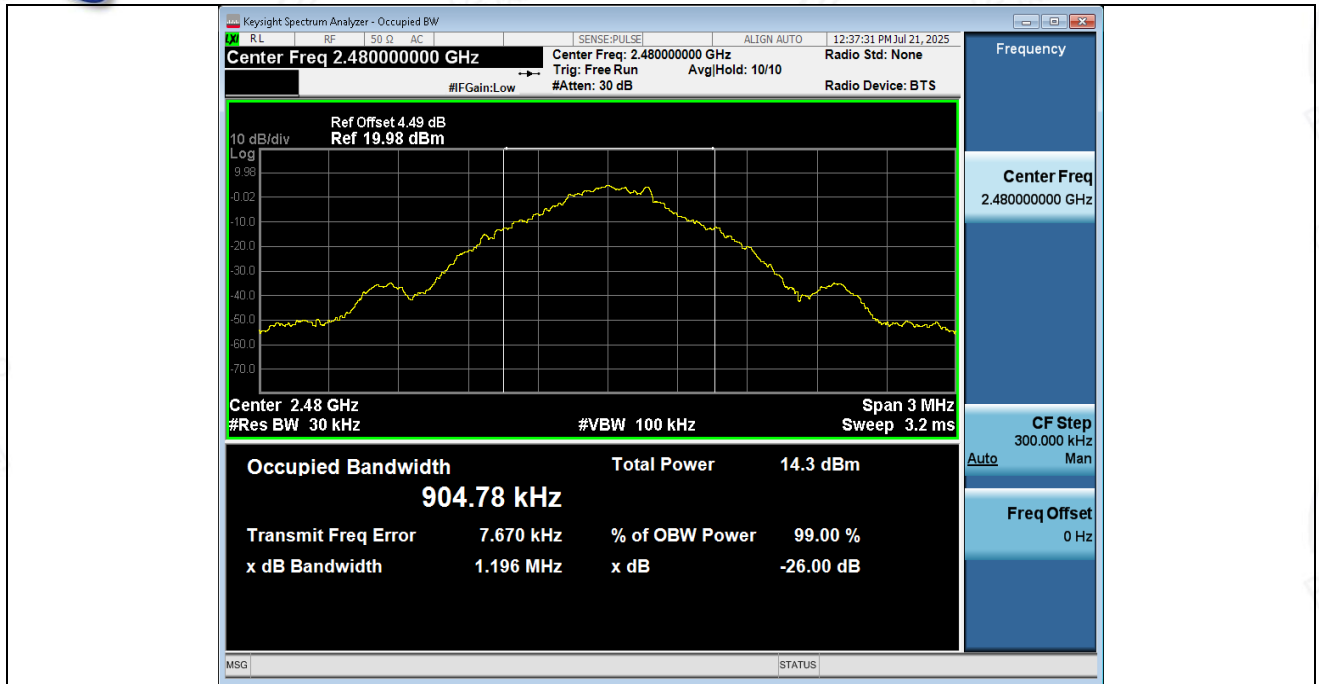


99% Occupied Bandwidth NVNT ANT1 1-DH5 2441_00

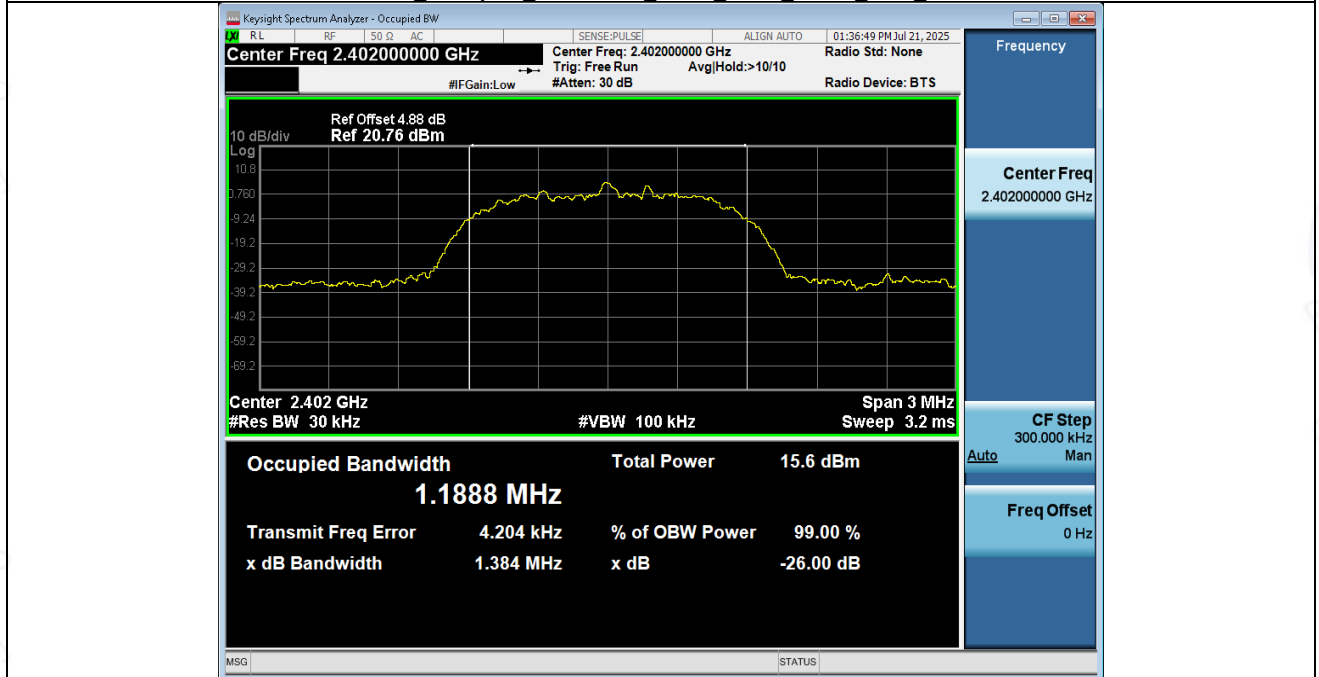


99% Occupied Bandwidth NVNT ANT1 1-DH5 2480_00



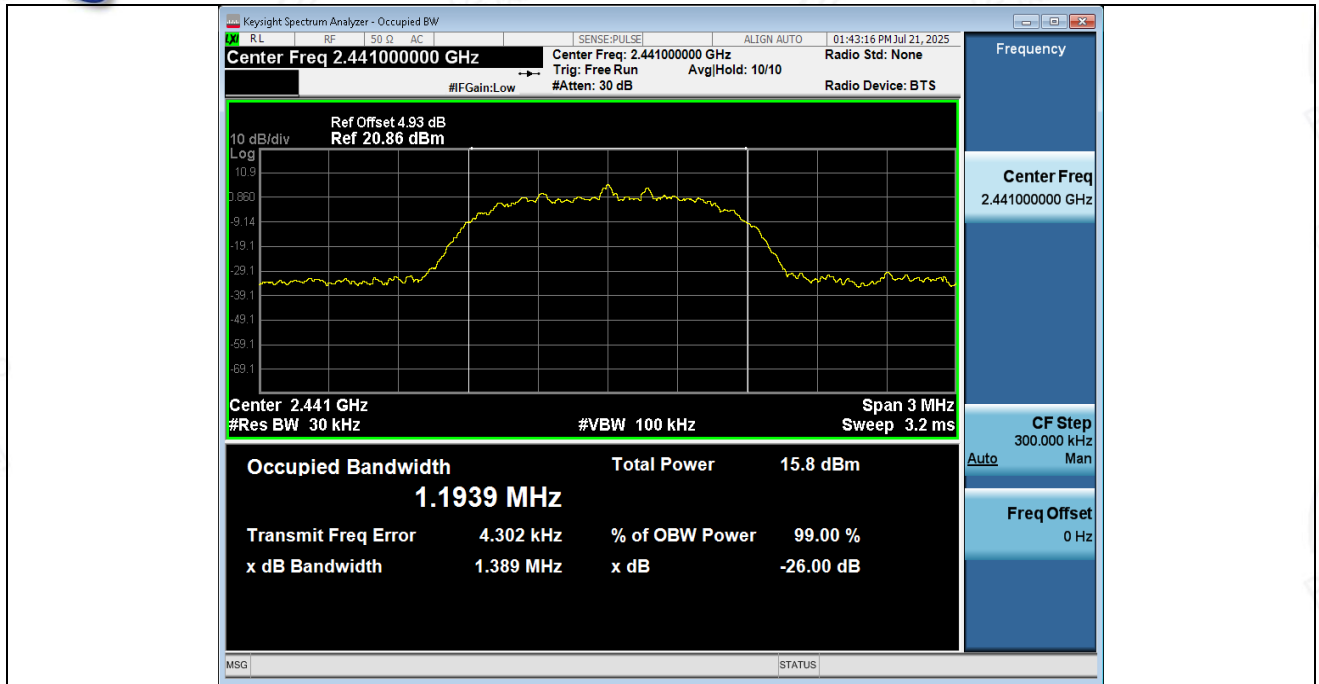


99% Occupied Bandwidth_NVNT_ANT1_2-DH5_2402_00

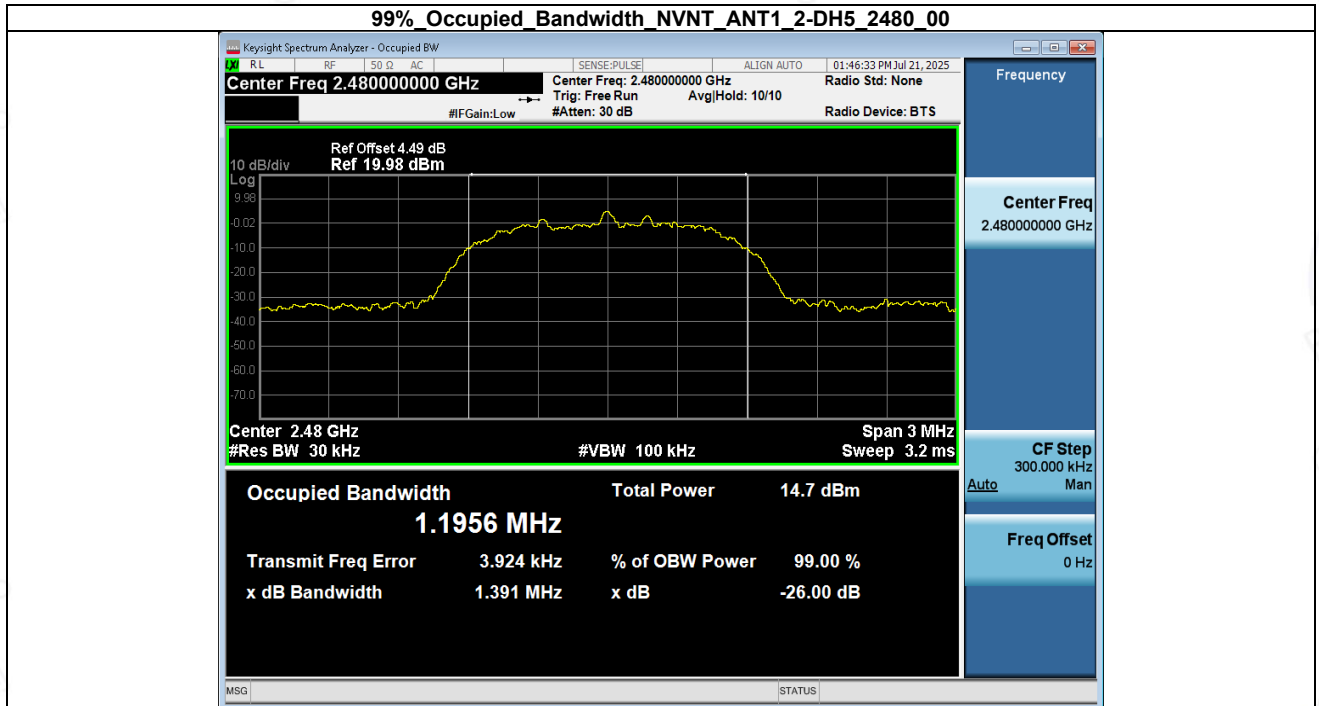


99% Occupied Bandwidth_NVNT_ANT1_2-DH5_2441_00



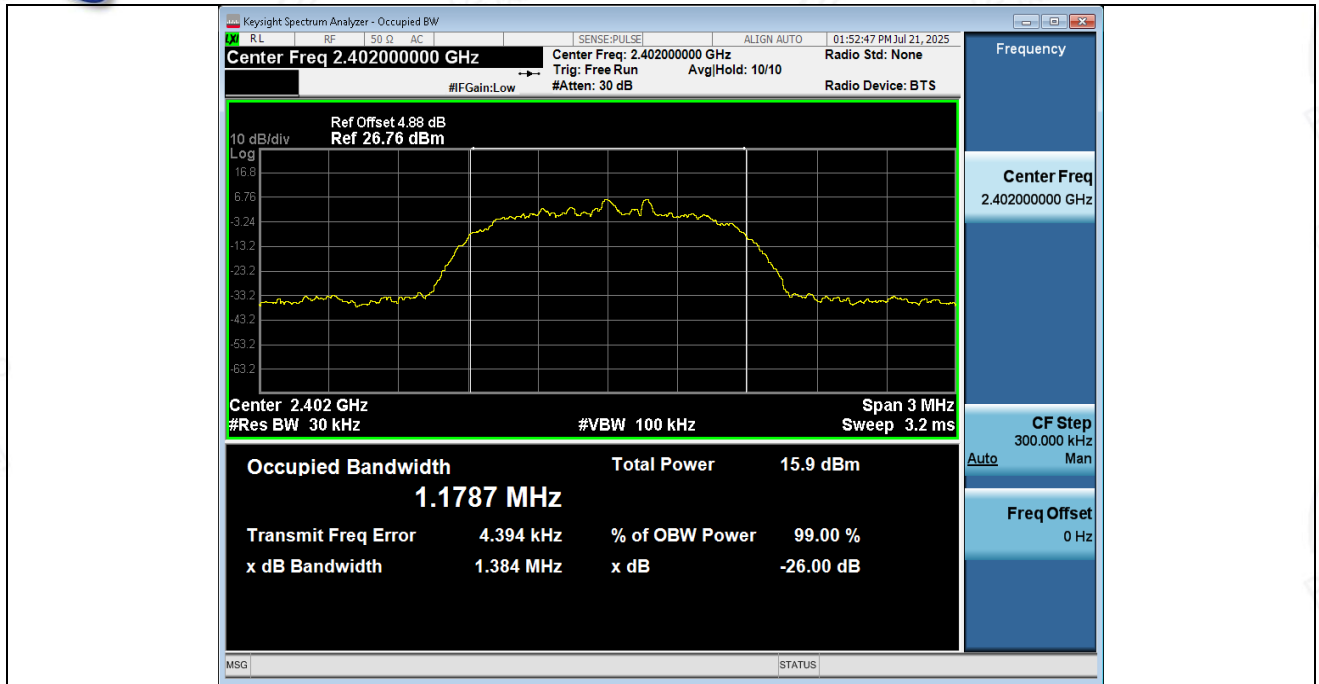


99% Occupied Bandwidth_NVNT_ANT1_2-DH5_2480_00

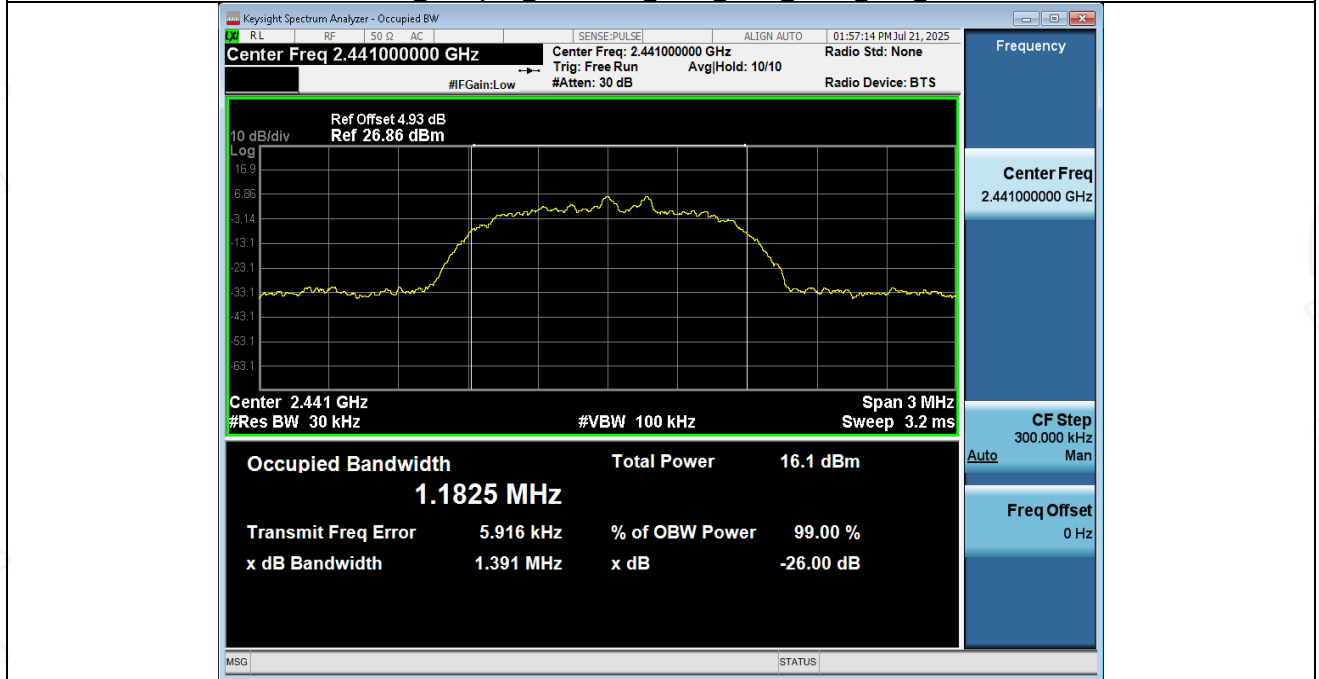


99% Occupied Bandwidth_NVNT_ANT1_3-DH5_2402_00



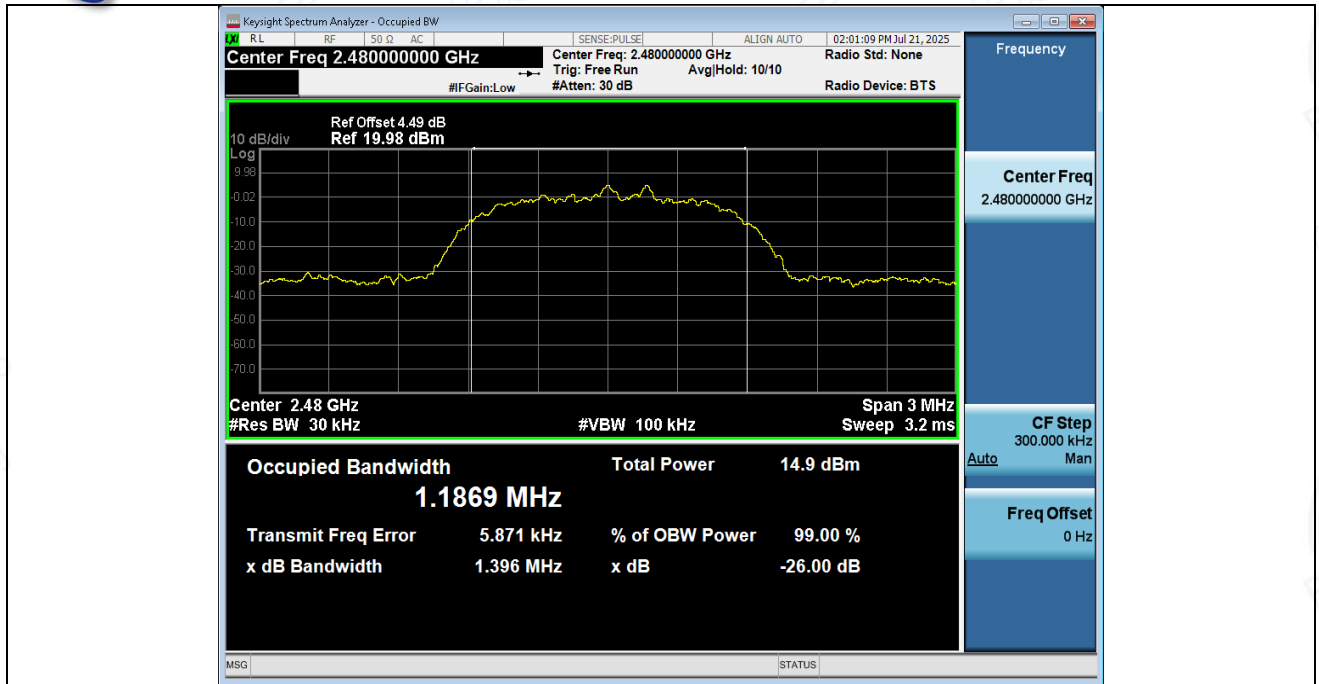


99% Occupied Bandwidth_NVNT_ANT1_3-DH5_2441_00



99% Occupied Bandwidth_NVNT_ANT1_3-DH5_2480_00

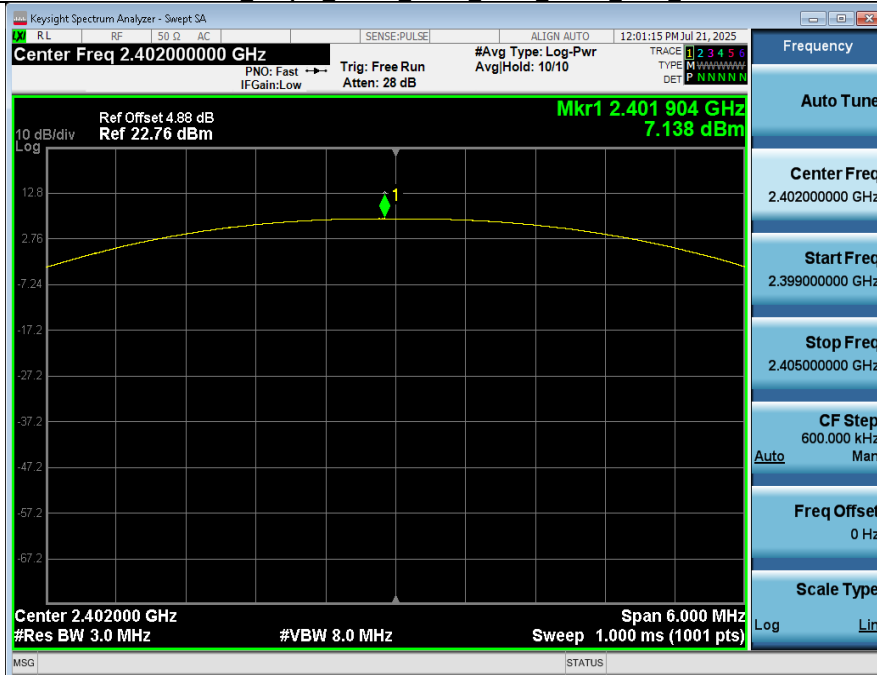




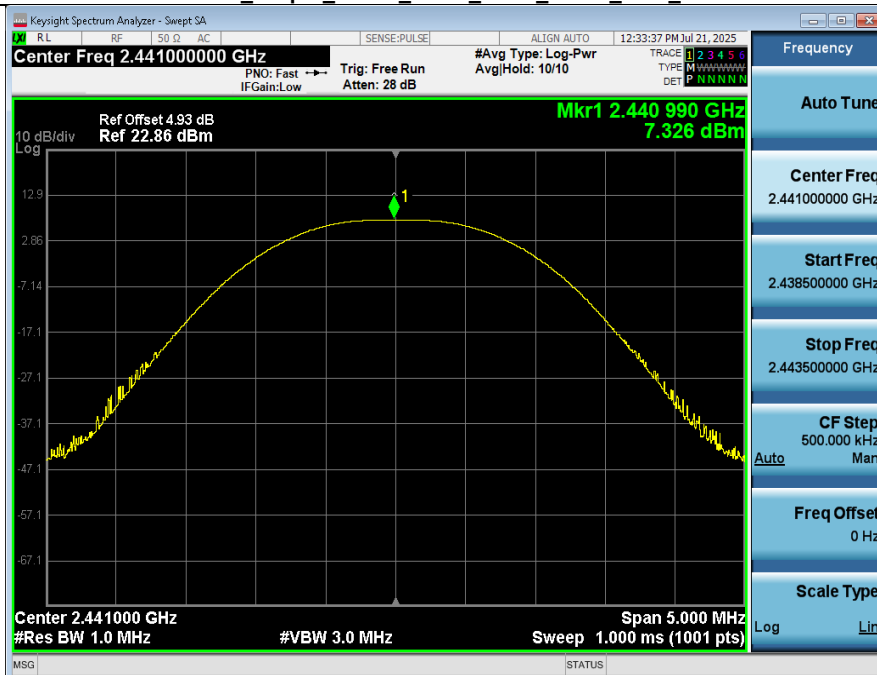
4. Peak Output Power

Condition	Antenna	Modulation	Frequency (MHz)	Max. Conducted Power(dBm)	Max. Conducted Power(mW)	Limit(mW)	Result
NVNT	ANT1	1-DH5	2402.00	7.14	5.17	125	Pass
NVNT	ANT1	1-DH5	2441.00	7.33	5.40	125	Pass
NVNT	ANT1	1-DH5	2480.00	6.42	4.39	125	Pass
NVNT	ANT1	2-DH5	2402.00	9.21	8.33	125	Pass
NVNT	ANT1	2-DH5	2441.00	9.23	8.38	125	Pass
NVNT	ANT1	2-DH5	2480.00	8.11	6.48	125	Pass
NVNT	ANT1	3-DH5	2402.00	9.67	9.26	125	Pass
NVNT	ANT1	3-DH5	2441.00	9.65	9.23	125	Pass
NVNT	ANT1	3-DH5	2480.00	8.55	7.16	125	Pass

Peak_Output_Power_NVNT_ANT1_1-DH5_2402_00

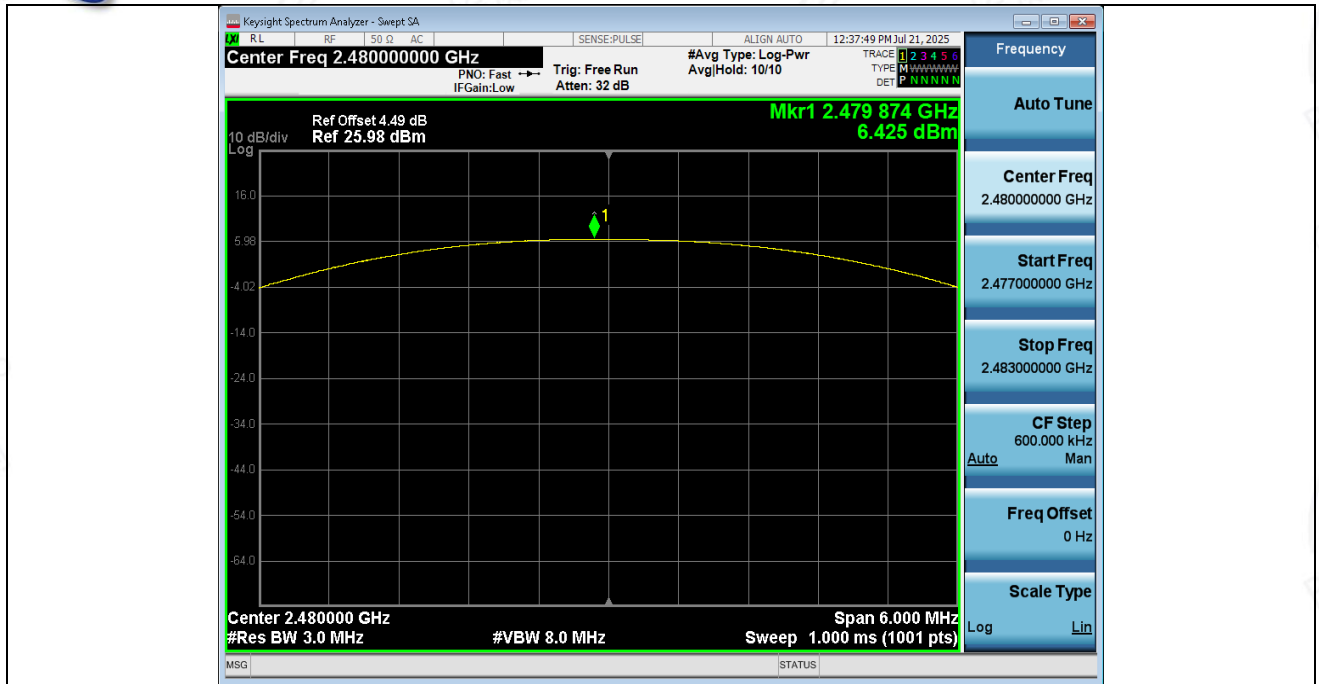


Peak_Output_Power_NVNT_ANT1_1-DH5_2441_00

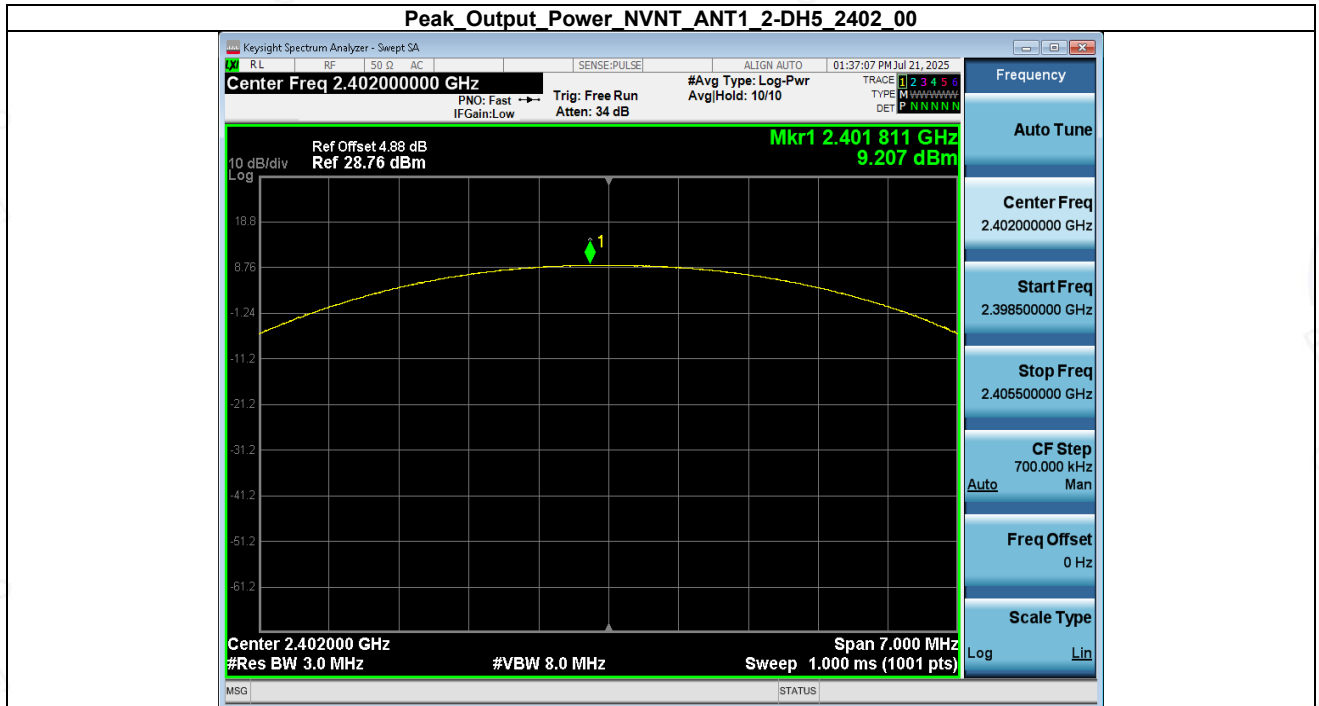


Peak_Output_Power_NVNT_ANT1_1-DH5_2480_00





Peak_Output_Power_NVNT_ANT1_2-DH5_2402_00

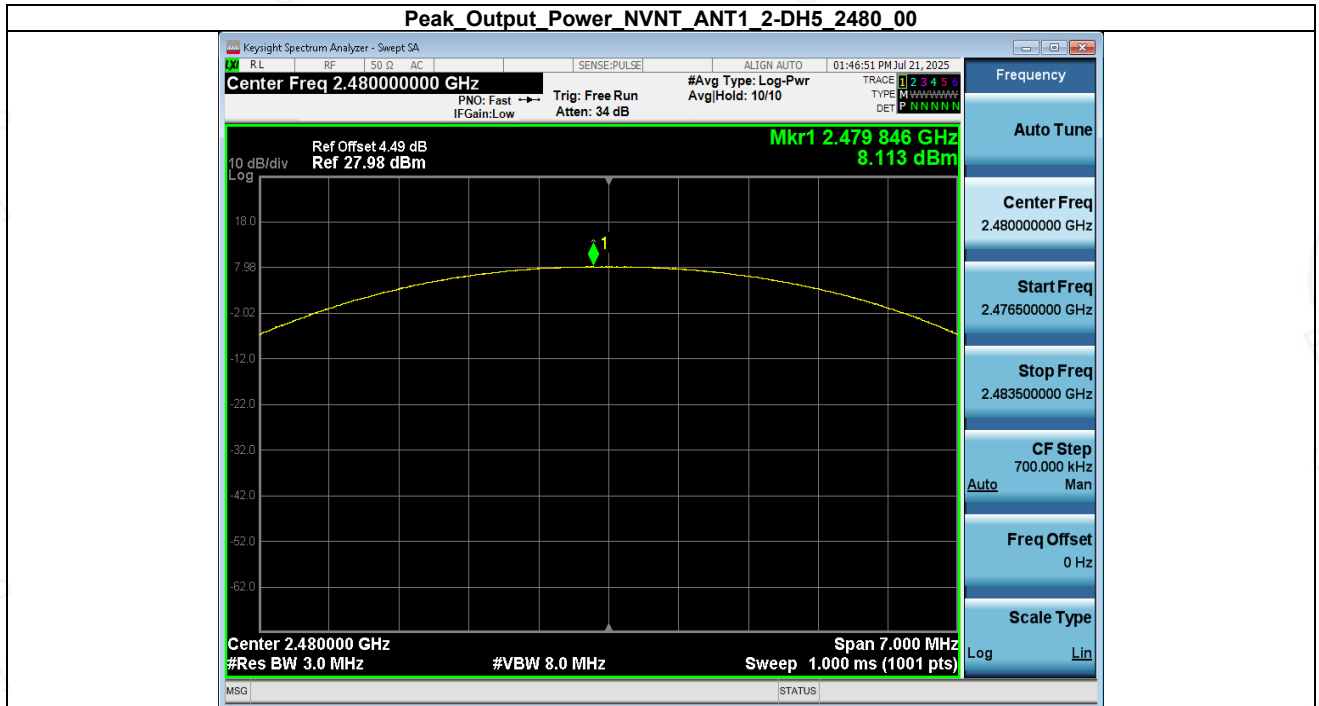


Peak_Output_Power_NVNT_ANT1_2-DH5_2441_00



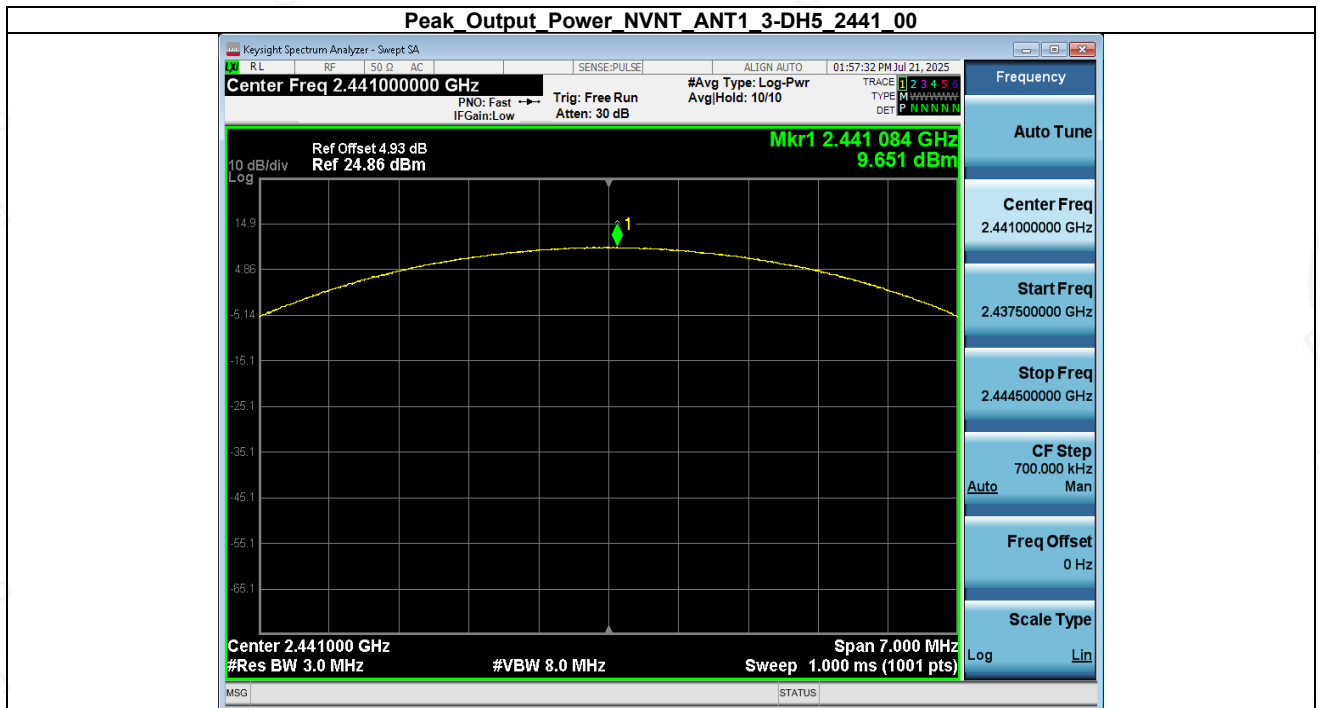
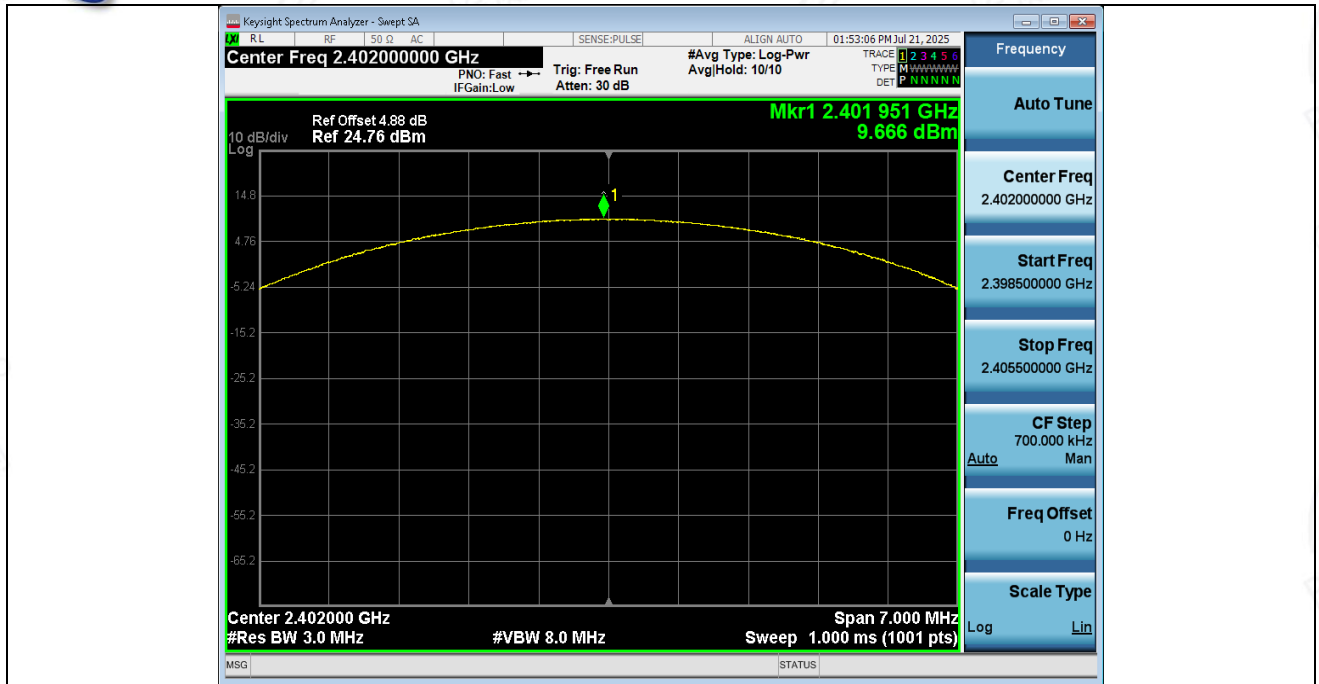


Peak_Output_Power_NVNT_ANT1_2-DH5_2480_00



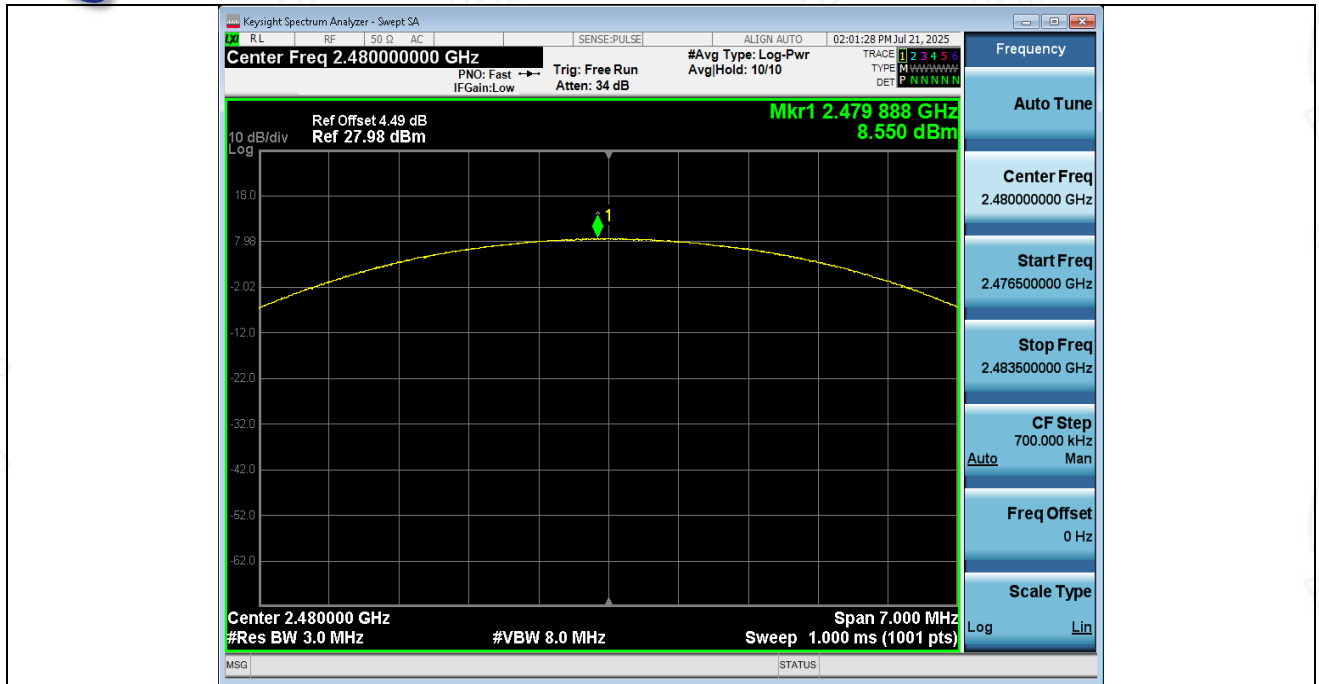
Peak_Output_Power_NVNT_ANT1_3-DH5_2402_00





Peak_Output_Power_NVNT_ANT1_3-DH5_2480_00





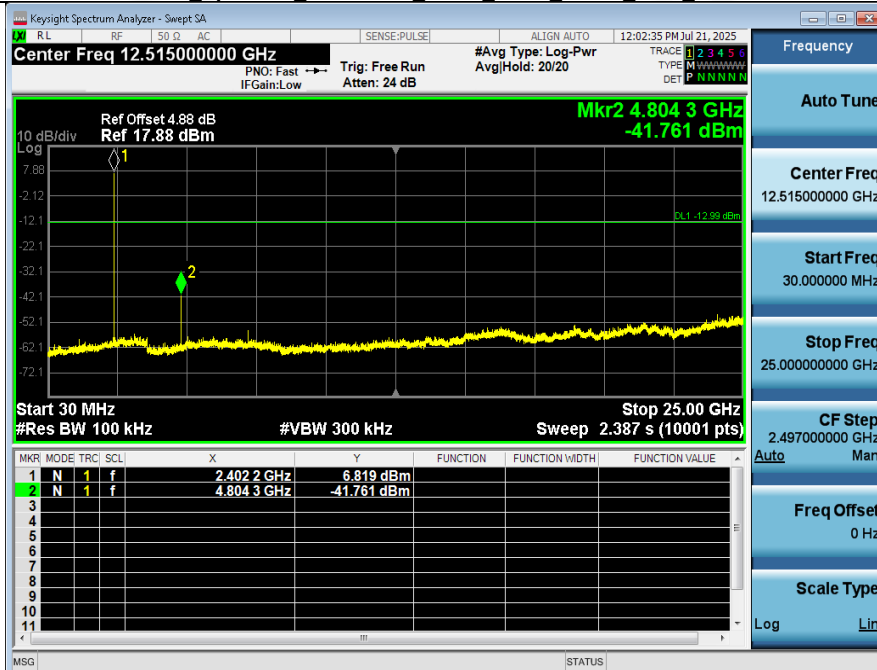
5. Spurious Emissions

Condition	Antenna	Modulation	TX Mode	Ref_level(dBm)	Spurious MAX.Value(dBm)	Limit	Result
NVNT	ANT1	1-DH5	2402.00	7.009	-41.761	-12.991	Pass
NVNT	ANT1	1-DH5	2441.00	7.115	-40.562	-12.885	Pass
NVNT	ANT1	1-DH5	2480.00	6.177	-43.041	-13.823	Pass
NVNT	ANT1	2-DH5	2402.00	7.787	-41.635	-12.213	Pass
NVNT	ANT1	2-DH5	2441.00	7.901	-38.480	-12.099	Pass
NVNT	ANT1	2-DH5	2480.00	6.607	-43.689	-13.393	Pass
NVNT	ANT1	3-DH5	2402.00	7.872	-43.343	-12.128	Pass
NVNT	ANT1	3-DH5	2441.00	7.942	-41.918	-12.058	Pass
NVNT	ANT1	3-DH5	2480.00	6.891	-45.126	-13.109	Pass

1 Reference Level NVNT ANT1 1-DH5 2402 00

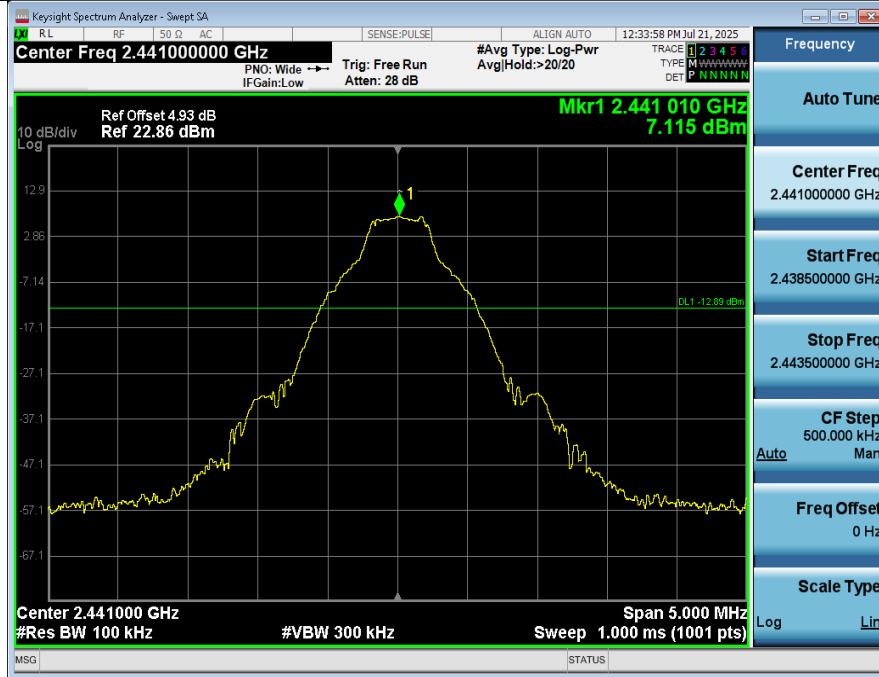


2 Spurious Emissions NVNT ANT1 1-DH5 2402 00

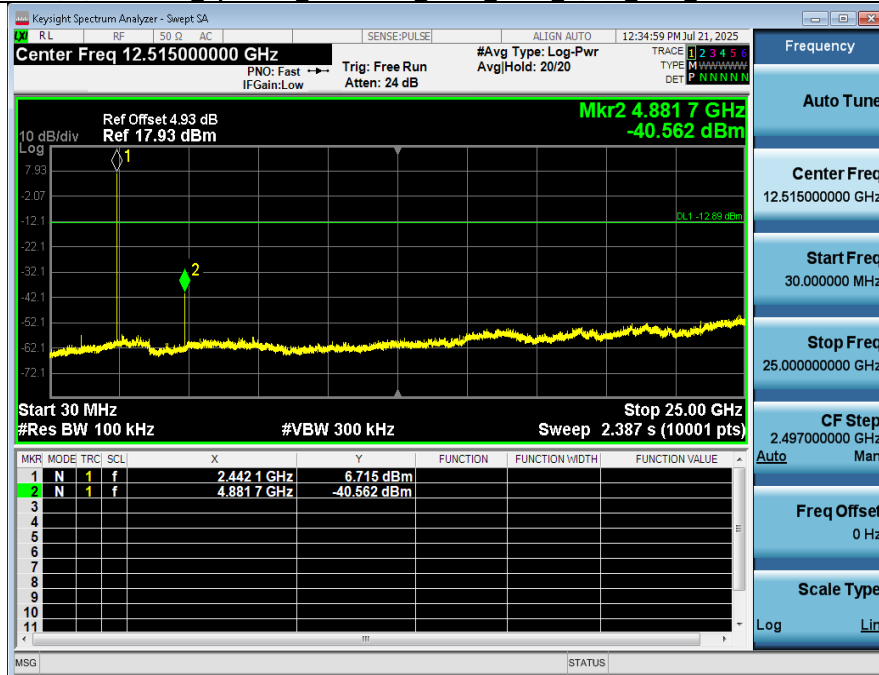


1 Reference Level NVNT ANT1 1-DH5 2441 00





2_Spurious_Emissions_NVNT_ANT1_1-DH5_2441_00

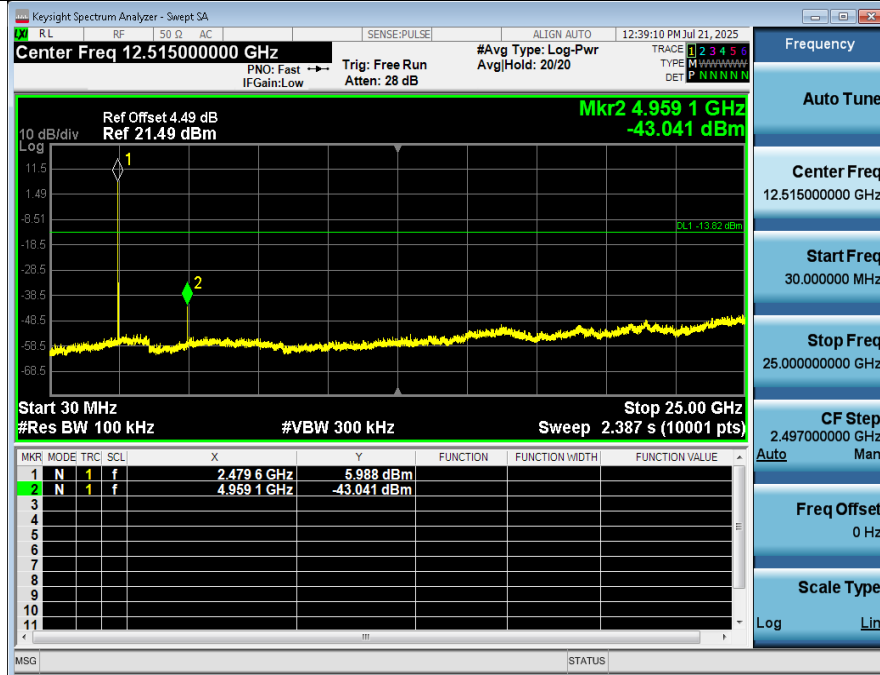


1_Reference_Level_NVNT_ANT1_1-DH5_2480_00



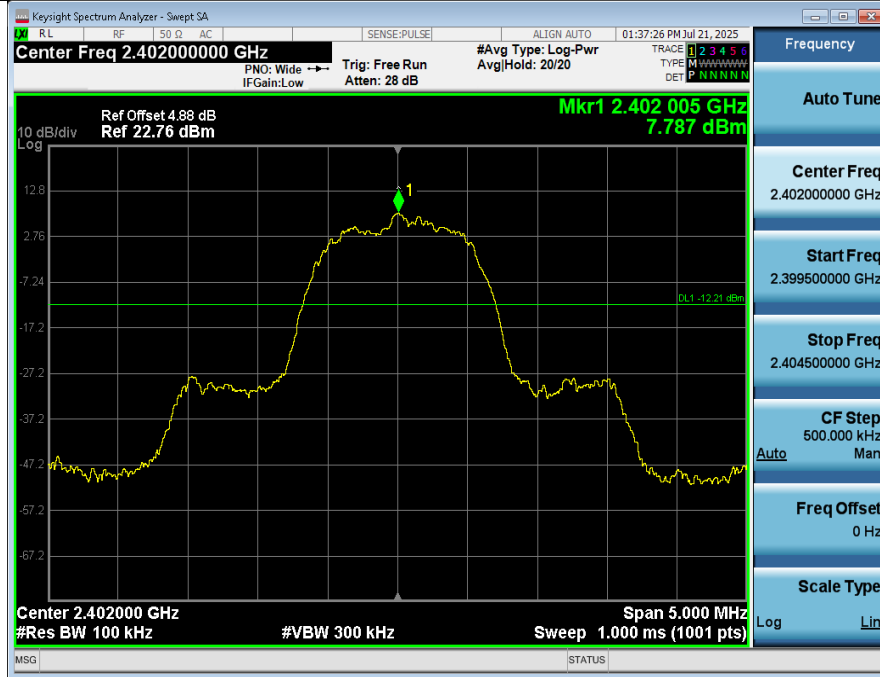


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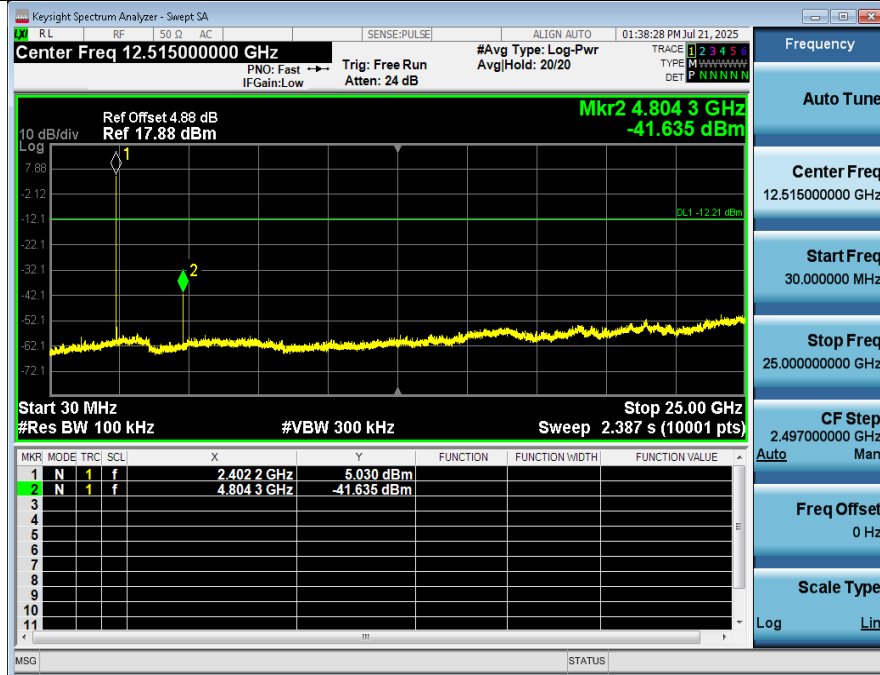


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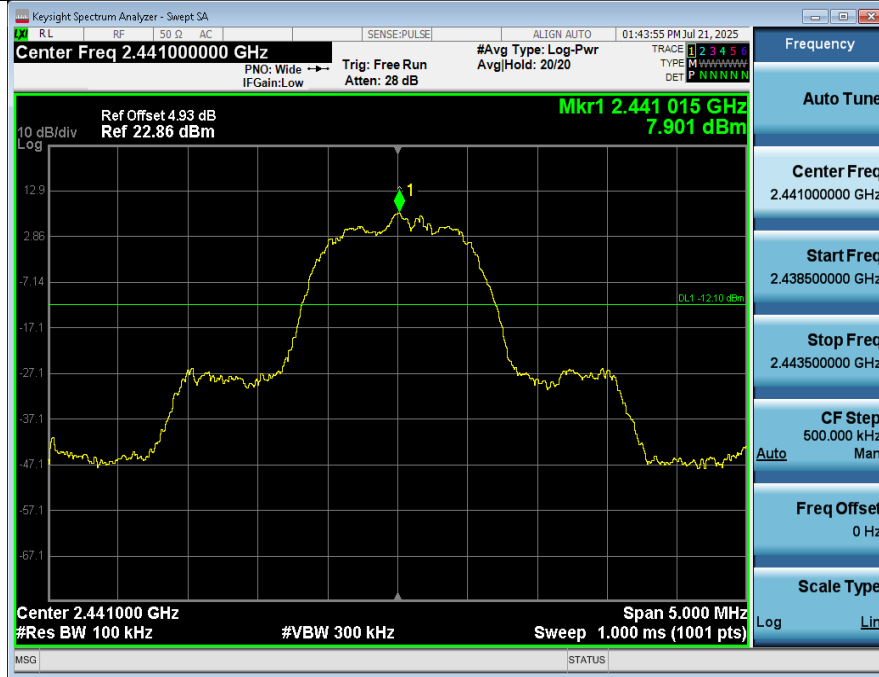


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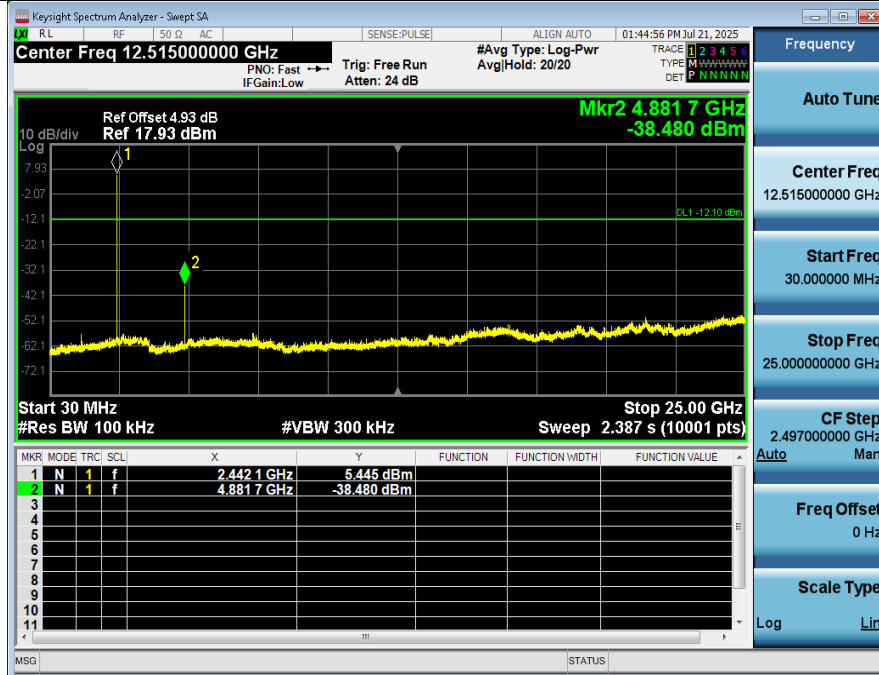


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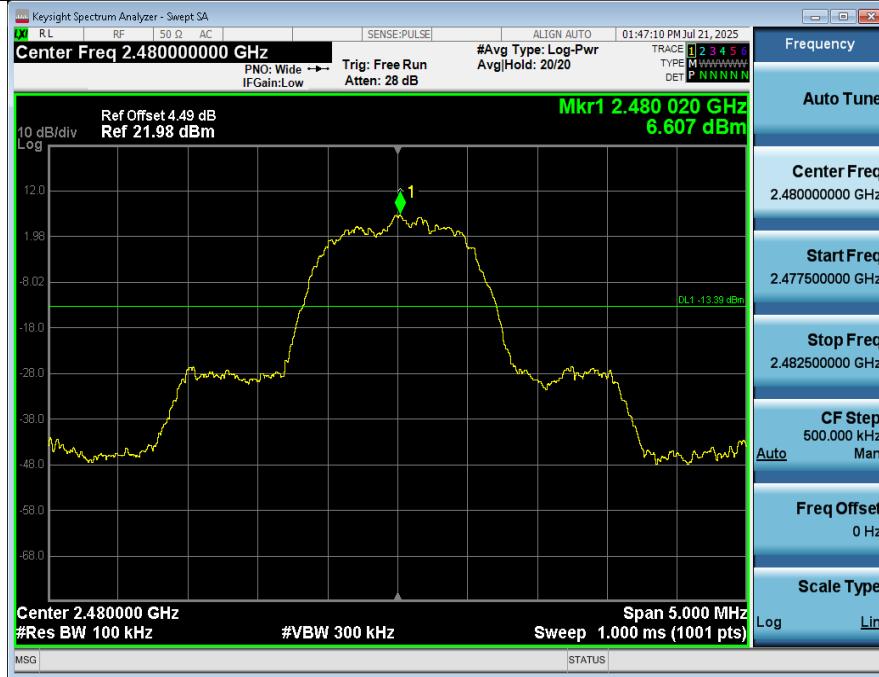


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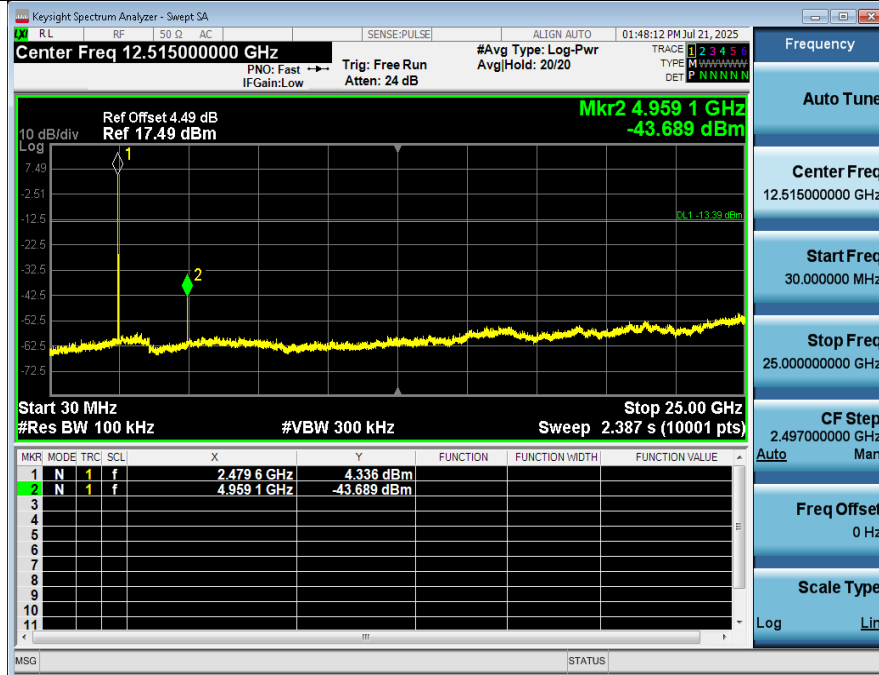


1_Reference_Level_NVNT_ANT1_2-DH5_2480_00





2_Spurious_Emissions_NVNT_ANT1_2-DH5_2480_00

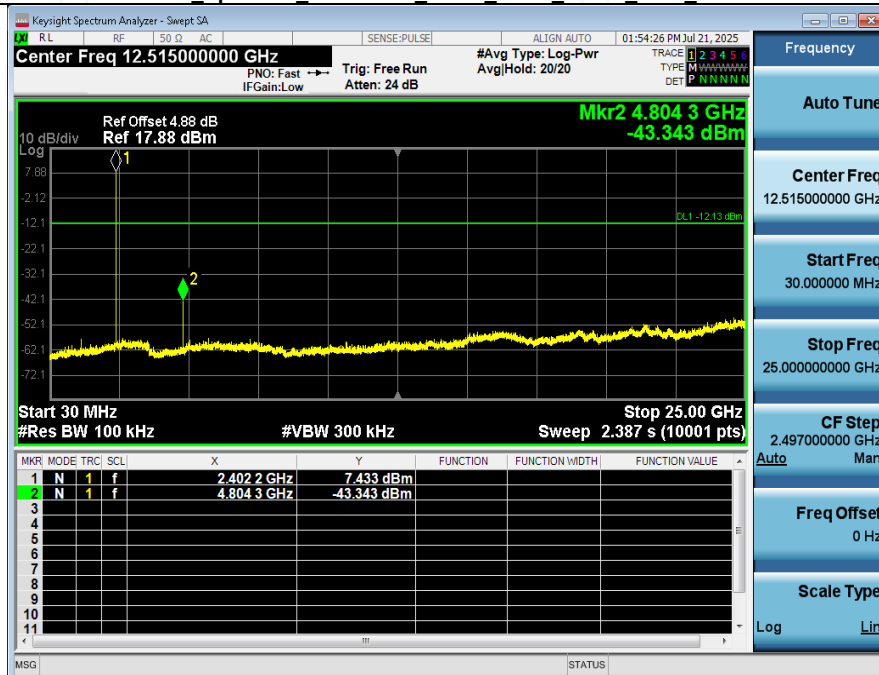


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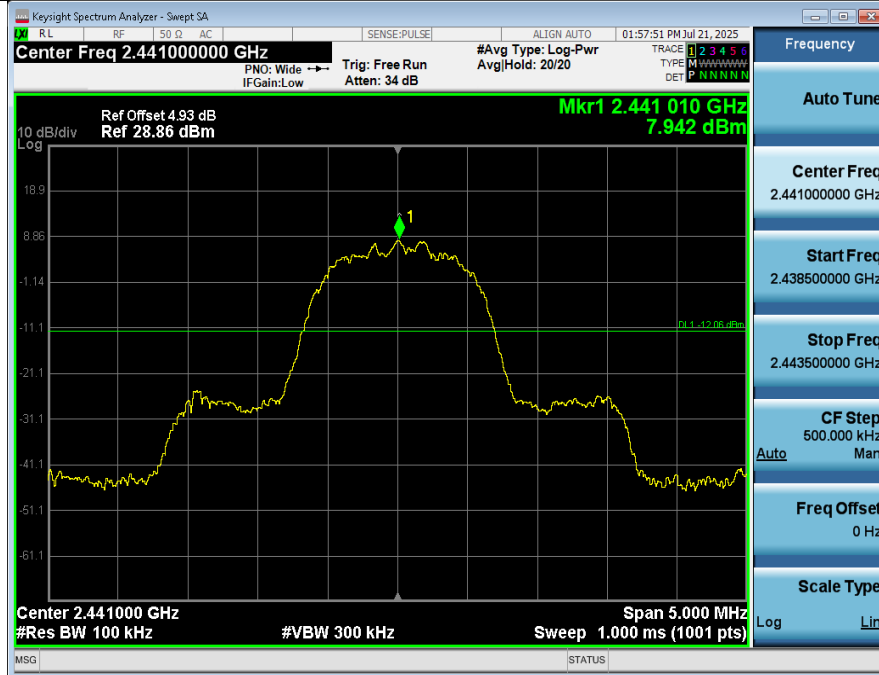


2_Spurious_Emissions_NVNT_ANT1_3-DH5_2402_00

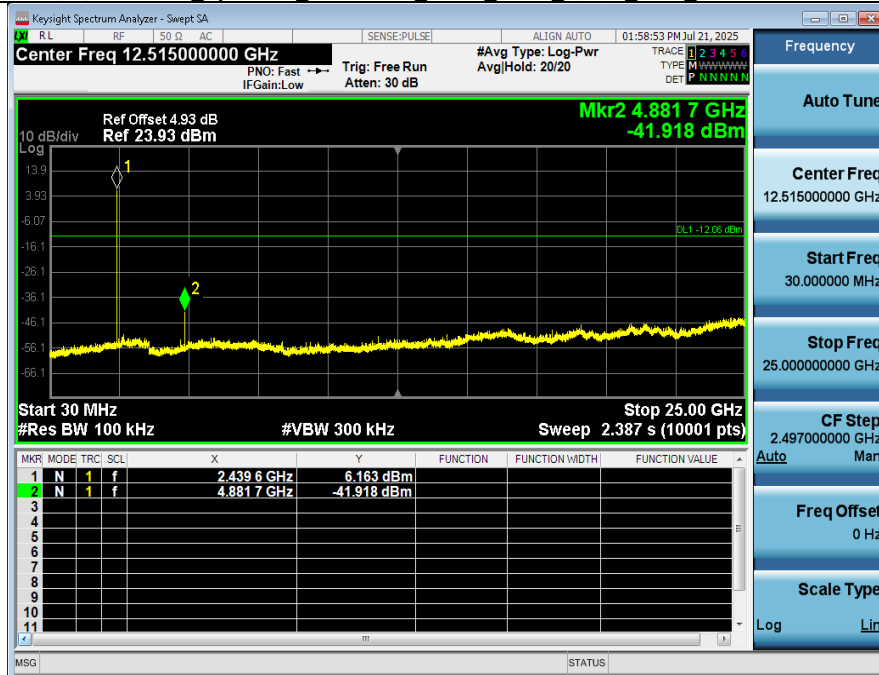


1_Reference_Level_NVNT_ANT1_3-DH5_2441_00





2_Spurious_Emissions_NVNT_ANT1_3-DH5_2441_00

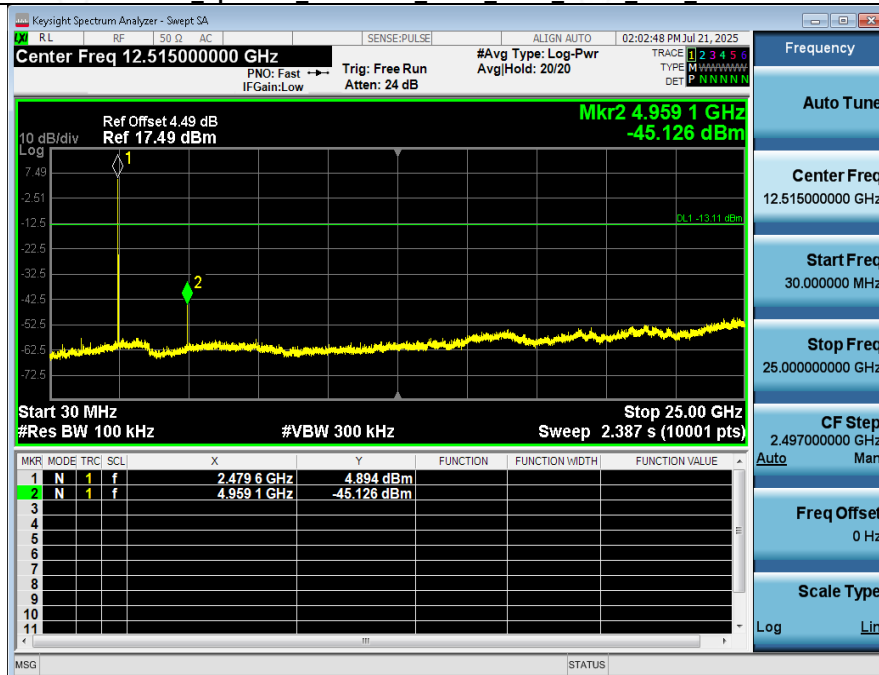


1_Reference_Level_NVNT_ANT1_3-DH5_2480_00





2 Spurious Emissions NVNT ANT1 3-DH5 2480 00



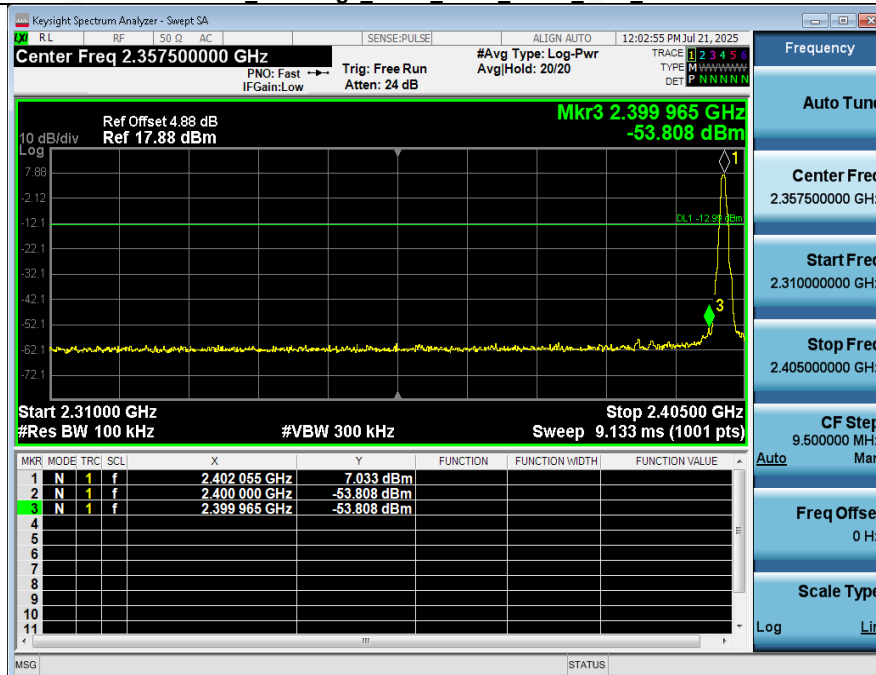
6. Bandedge

Condition	Antenna	Modulation	TX Mode	Ref_level(dBm)	Bandedge MAX.Value	Limit	Result
NVNT	ANT1	1-DH5	2402.00	7.009	-53.808	-12.991	Pass
NVNT	ANT1	1-DH5	Hopping_LCH	8.821	-53.113	-11.179	Pass
NVNT	ANT1	1-DH5	2480.00	6.177	-55.473	-13.823	Pass
NVNT	ANT1	1-DH5	Hopping_HCH	8.554	-57.096	-11.446	Pass
NVNT	ANT1	2-DH5	2402.00	7.787	-46.757	-12.213	Pass
NVNT	ANT1	2-DH5	Hopping_LCH	9.577	-46.025	-10.423	Pass
NVNT	ANT1	2-DH5	2480.00	6.607	-58.175	-13.393	Pass
NVNT	ANT1	2-DH5	Hopping_HCH	8.764	-53.849	-11.236	Pass
NVNT	ANT1	3-DH5	2402.00	7.872	-44.678	-12.128	Pass
NVNT	ANT1	3-DH5	Hopping_LCH	9.473	-44.745	-10.527	Pass
NVNT	ANT1	3-DH5	2480.00	6.891	-57.833	-13.109	Pass
NVNT	ANT1	3-DH5	Hopping_HCH	9.168	-57.304	-10.832	Pass

1 Reference Level NVNT ANT1 1-DH5 2402_00



2 Bandedge NVNT ANT1 1-DH5 2402_00

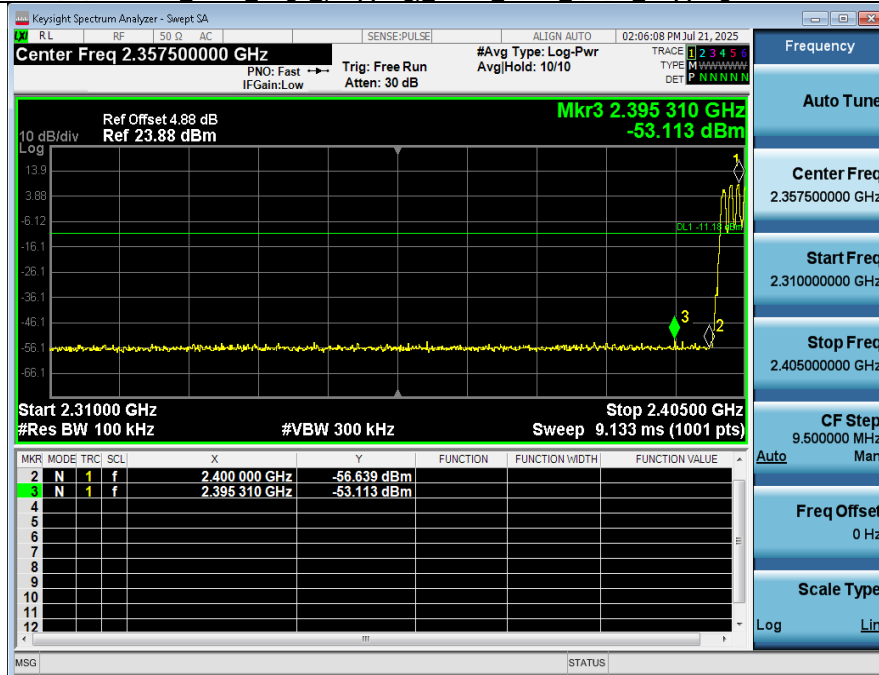


1 Reference Level Hopping NVNT ANT1 1-DH5 Hopping





2_Band_Edge_(Hopping)_NVNT_ANT1_1-DH5_Hopping

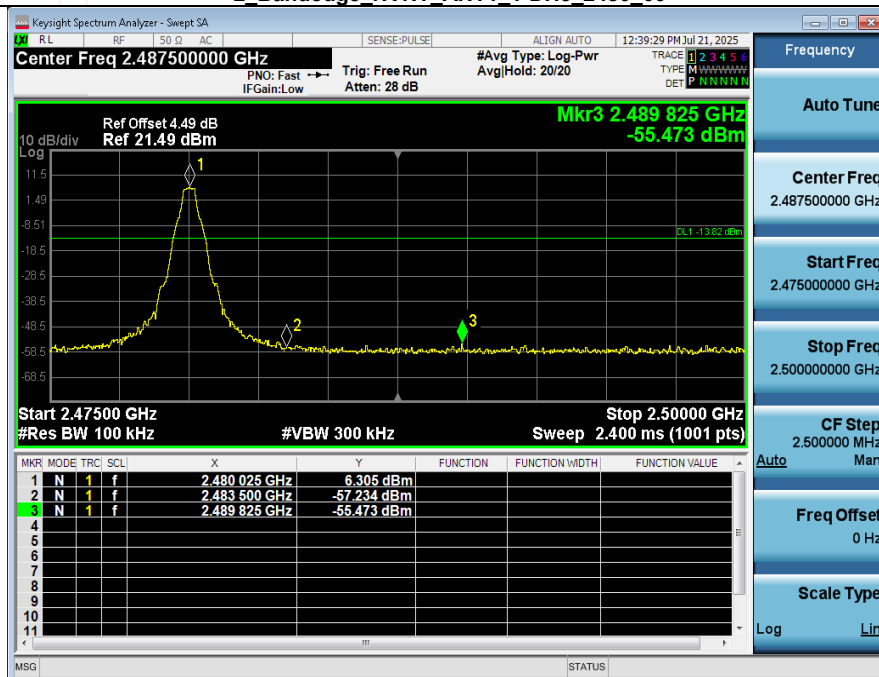


1_Reference_Level_NVNT_ANT1_1-DH5_2480_00



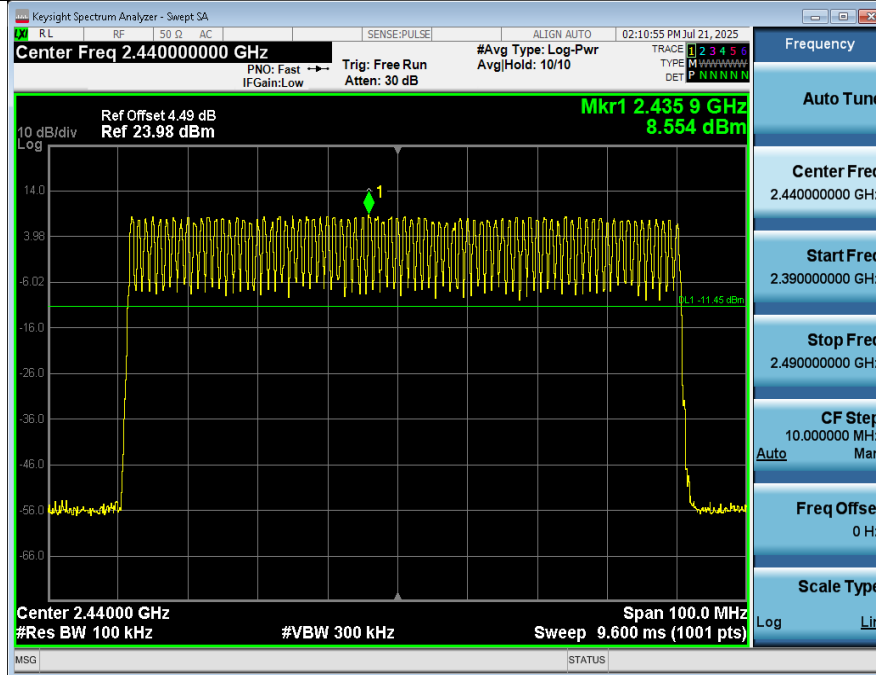


2_Bandedge_NVNT_ANT1_1-DH5_2480_00

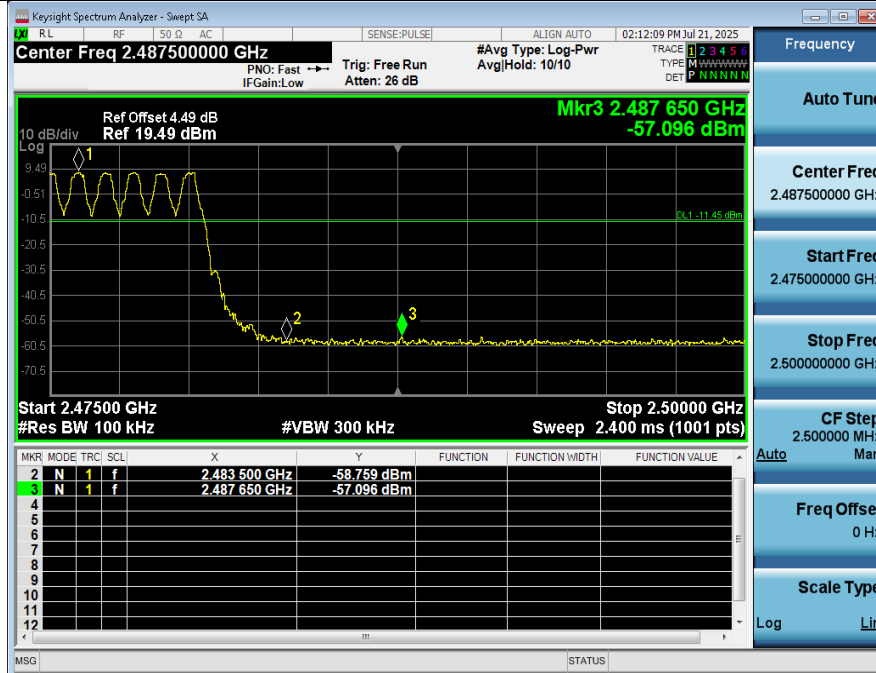


1_Reference_Level_Hopping_NVNT_ANT1_1-DH5_Hopping



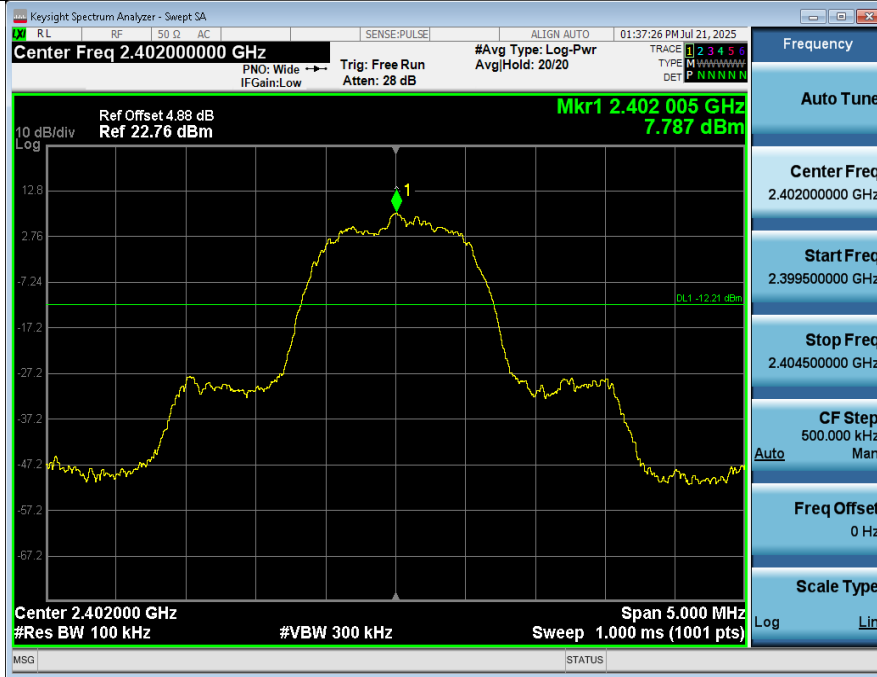


2_Band_Edge_(Hopping)_NVNT_ANT1_1-DH5_Hopping

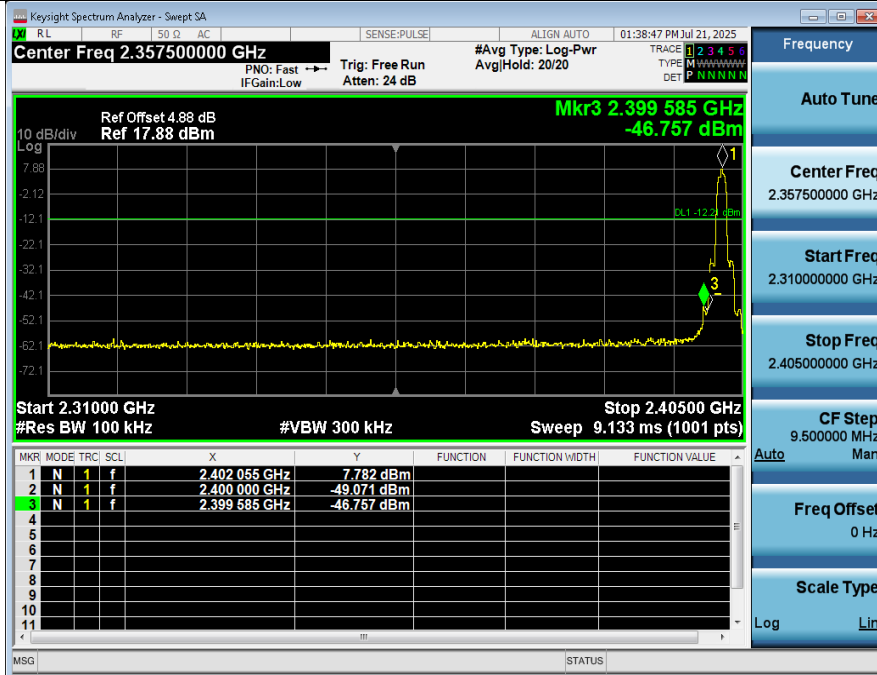


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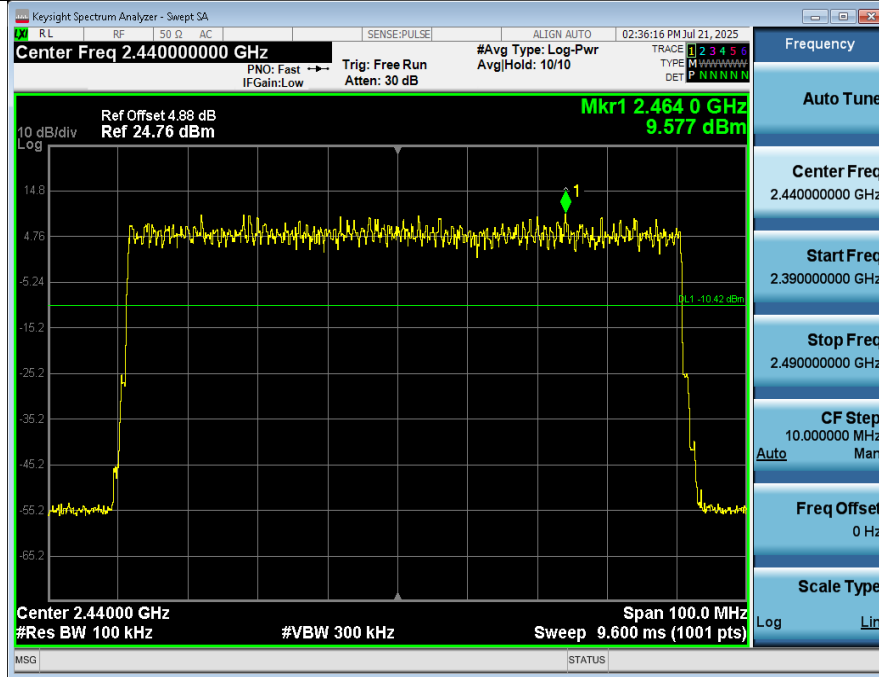


2_Bandedge_NVNT_ANT1_2-DH5_2402_00

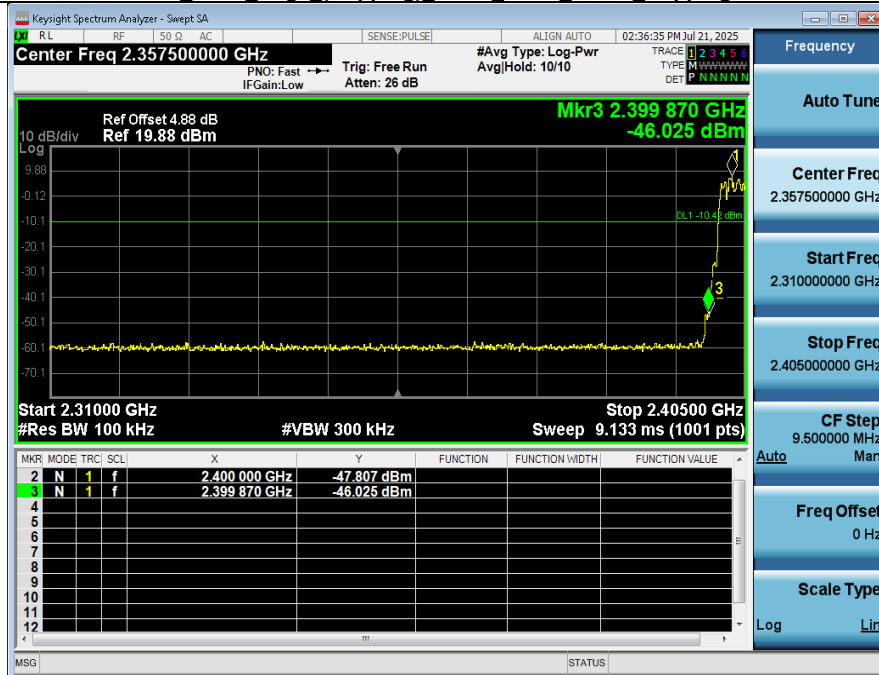


1_Reference_Level_Hopping_NVNT_ANT1_2-DH5_Hopping





2_Band_Edge_(Hopping)_NVNT_ANT1_2-DH5_Hopping

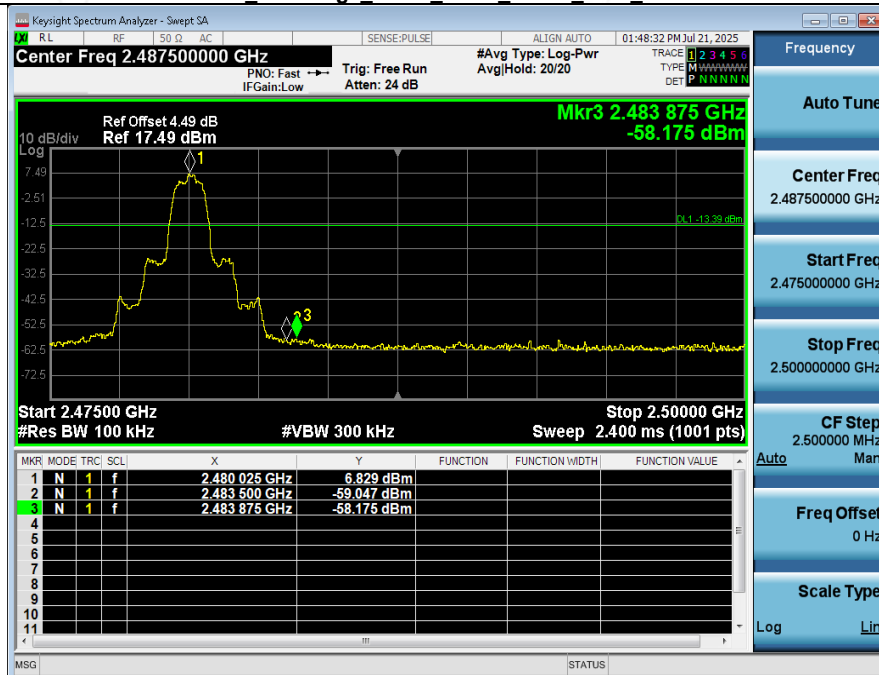


1_Reference_Level_NVNT_ANT1_2-DH5_2480_00



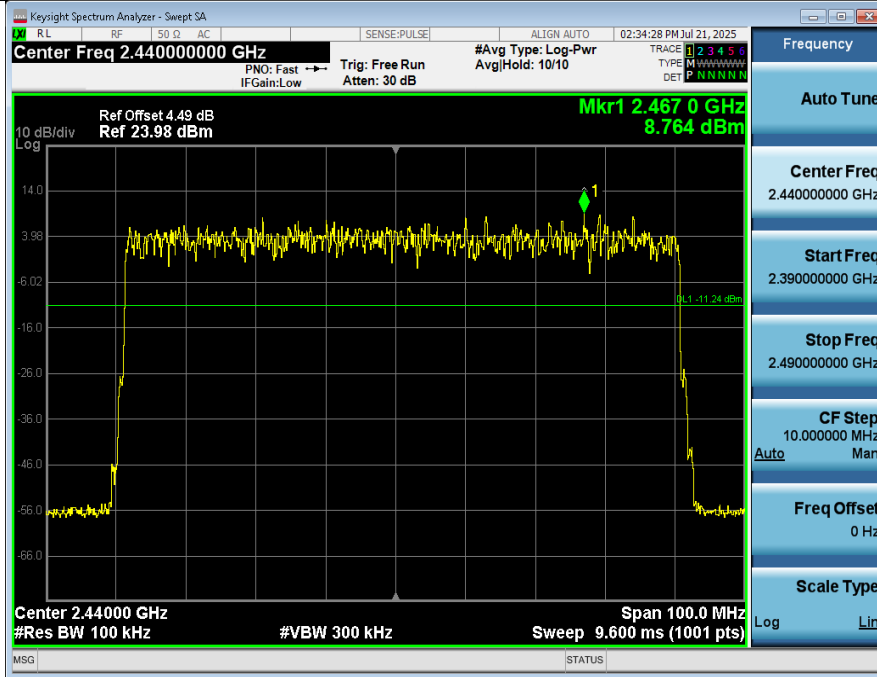


2_Bandedge_NVNT_ANT1_2-DH5_2480_00



1_Reference_Level_Hopping_NVNT_ANT1_2-DH5_Hopping





2_Band_Edge_(Hopping)_NVNT_ANT1_2-DH5_Hopping

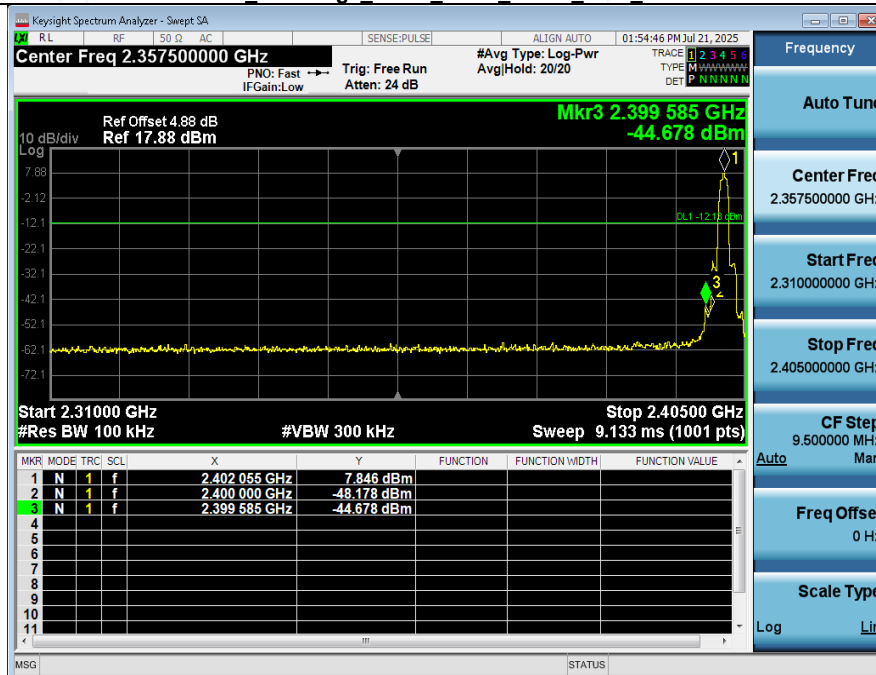


1_Reference_Level_NVNT_ANT1_3-DH5_2402_00



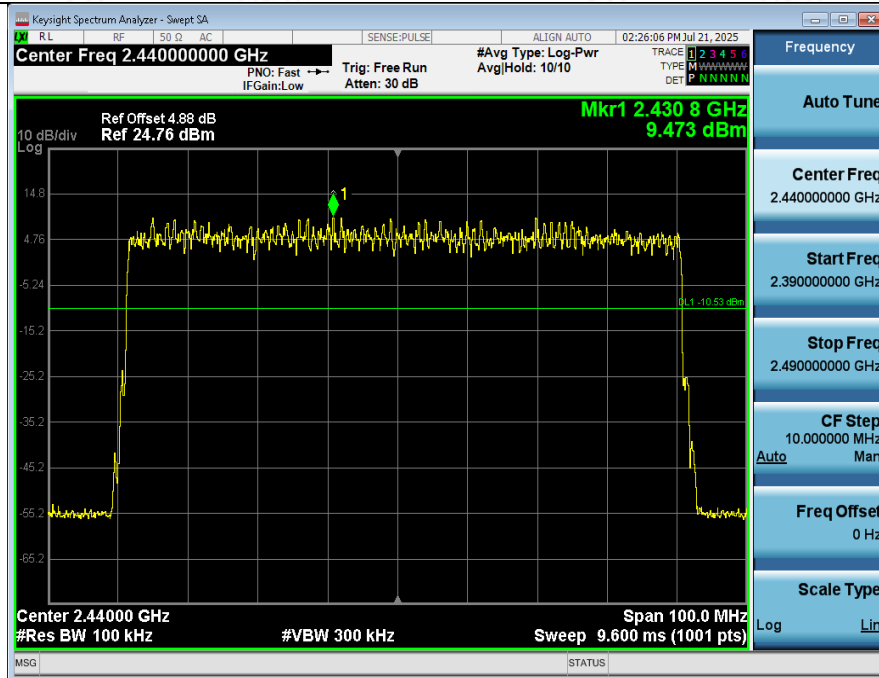


2_Bandedge_NVNT_ANT1_3-DH5_2402_00

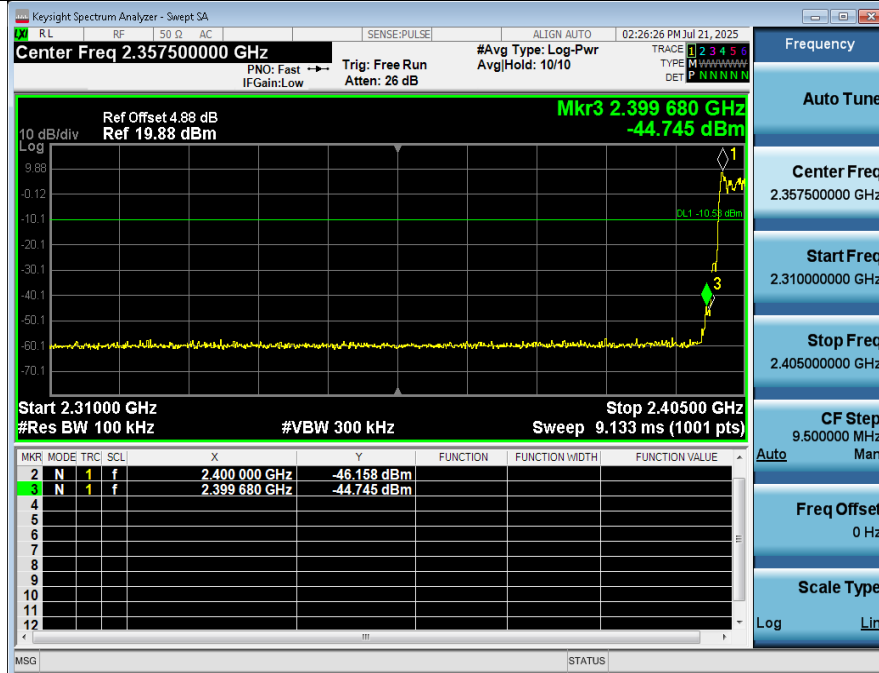


1_Reference_Level_Hopping_NVNT_ANT1_3-DH5_Hopping



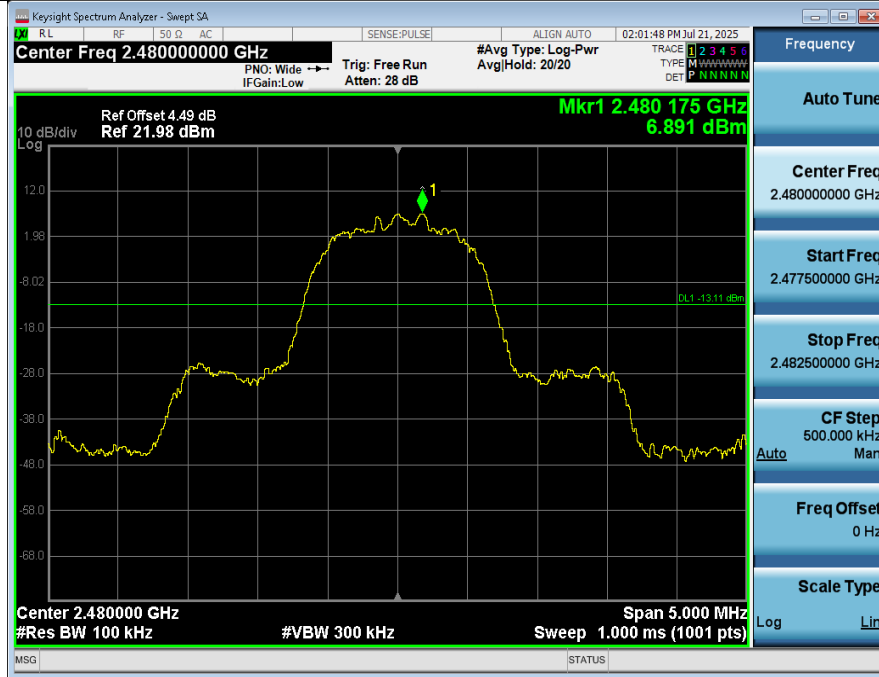


2_Band_Edge_(Hopping)_NVNT_ANT1_3-DH5_Hopping

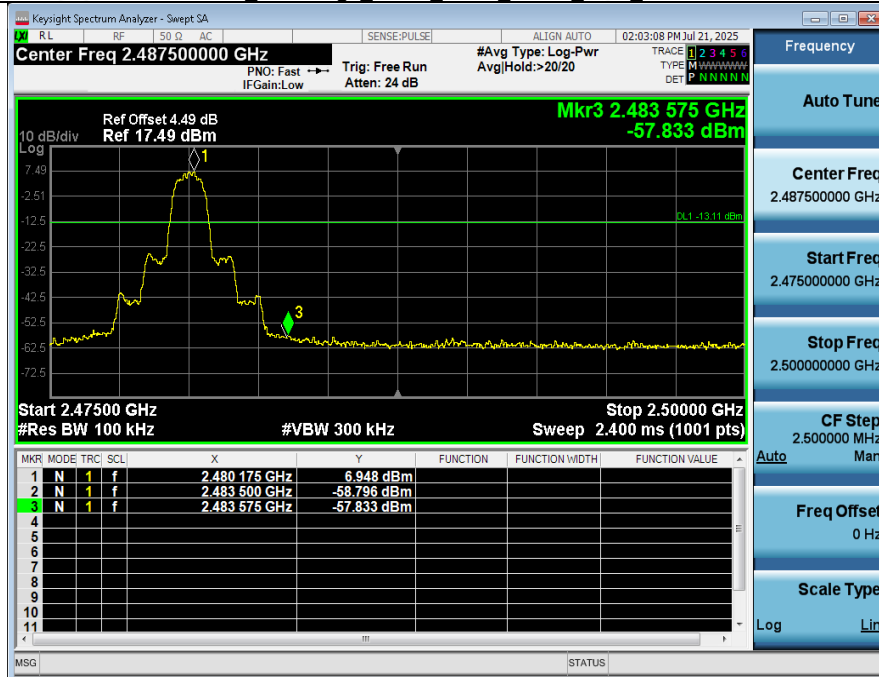


1_Reference_Level_NVNT_ANT1_3-DH5_2480_00



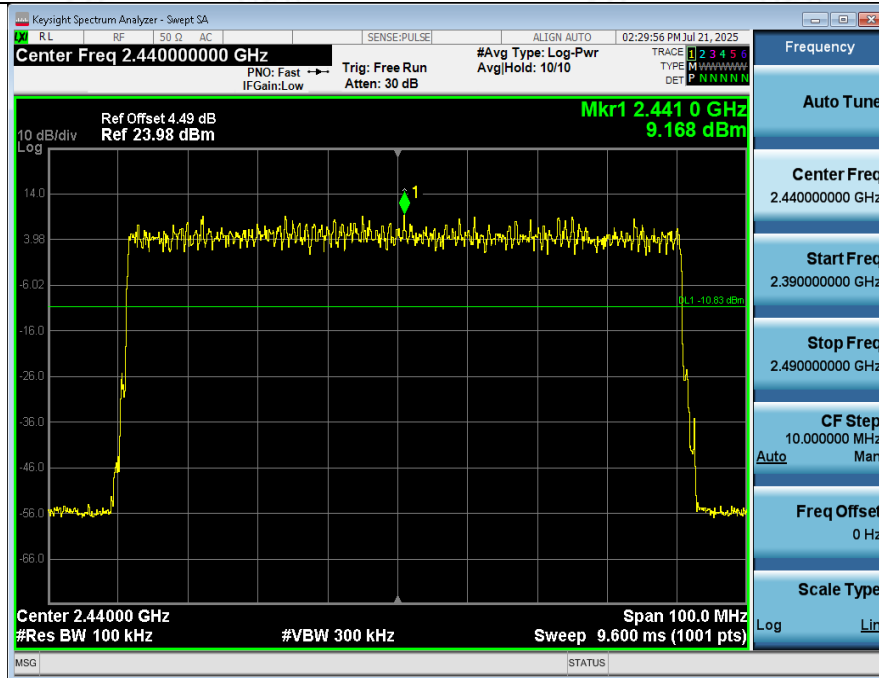


2_Bandedge_NVNT_ANT1_3-DH5_2480_00

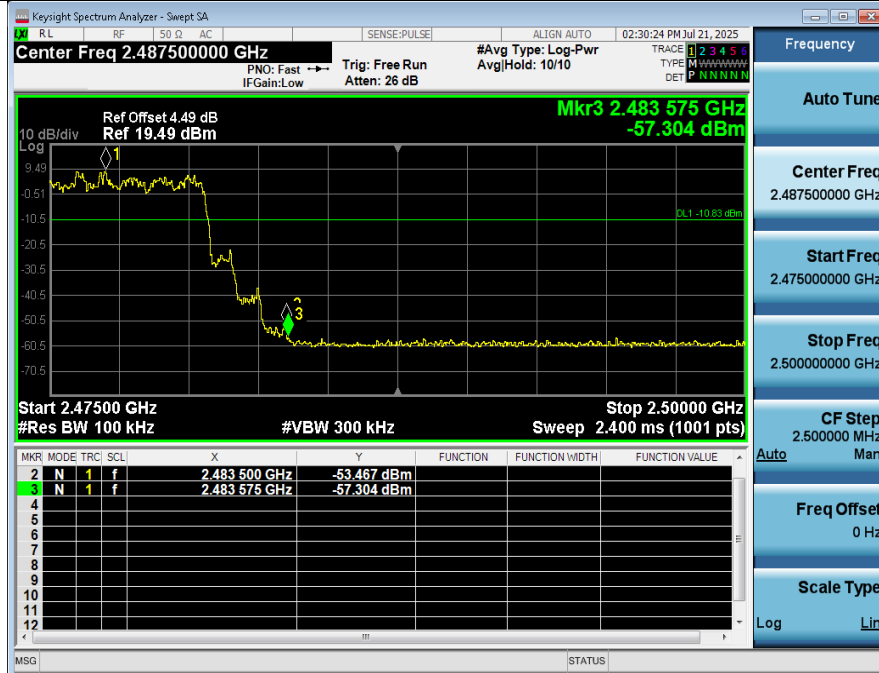


1_Reference_Level_Hopping_NVNT_ANT1_3-DH5_Hopping





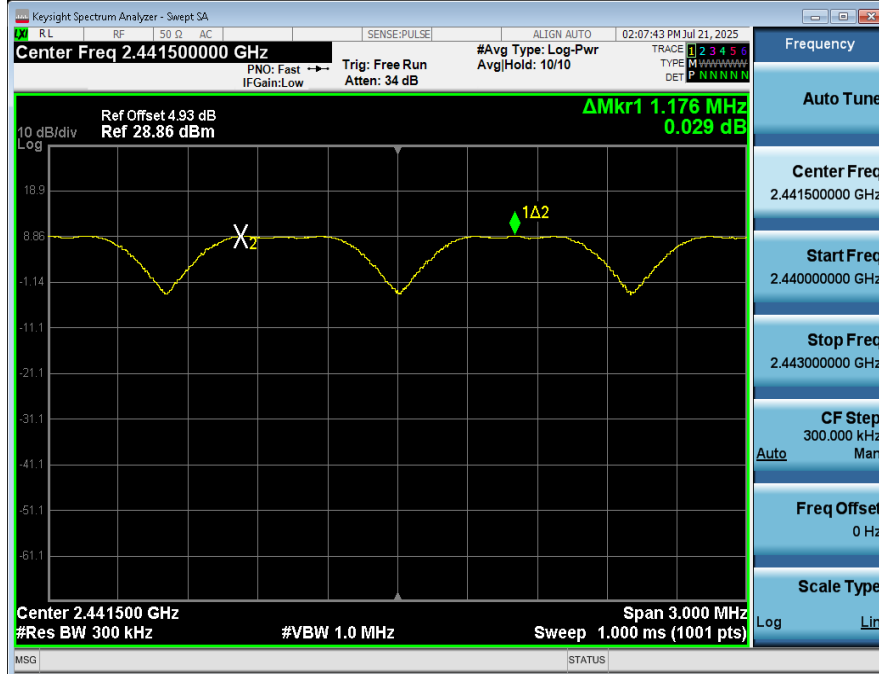
2_Band_Edge_(Hopping)_NVNT_ANT1_3-DH5_Hopping



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-DH5	2441.00	2440.828	2442.004	1.18	0.992	Pass
NVNT	ANT1	2-DH5	2441.00	2440.951	2442.124	1.17	0.871	Pass
NVNT	ANT1	3-DH5	2441.00	2440.807	2441.986	1.18	0.869	Pass

Carrier_Frequencies_Separation_(Hopping)_NVNT_ANT1_1-DH5_Hopping

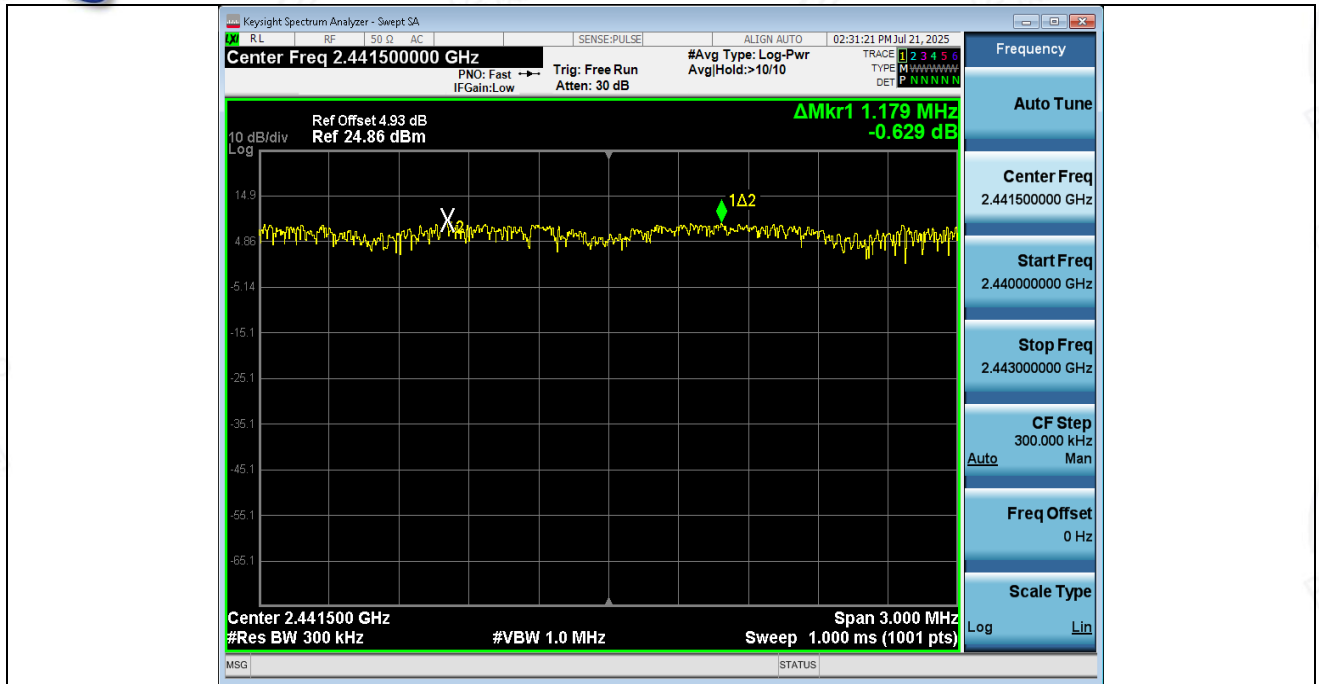


Carrier_Frequencies_Separation_(Hopping)_NVNT_ANT1_2-DH5_Hopping



Carrier_Frequencies_Separation_(Hopping)_NVNT_ANT1_3-DH5_Hopping

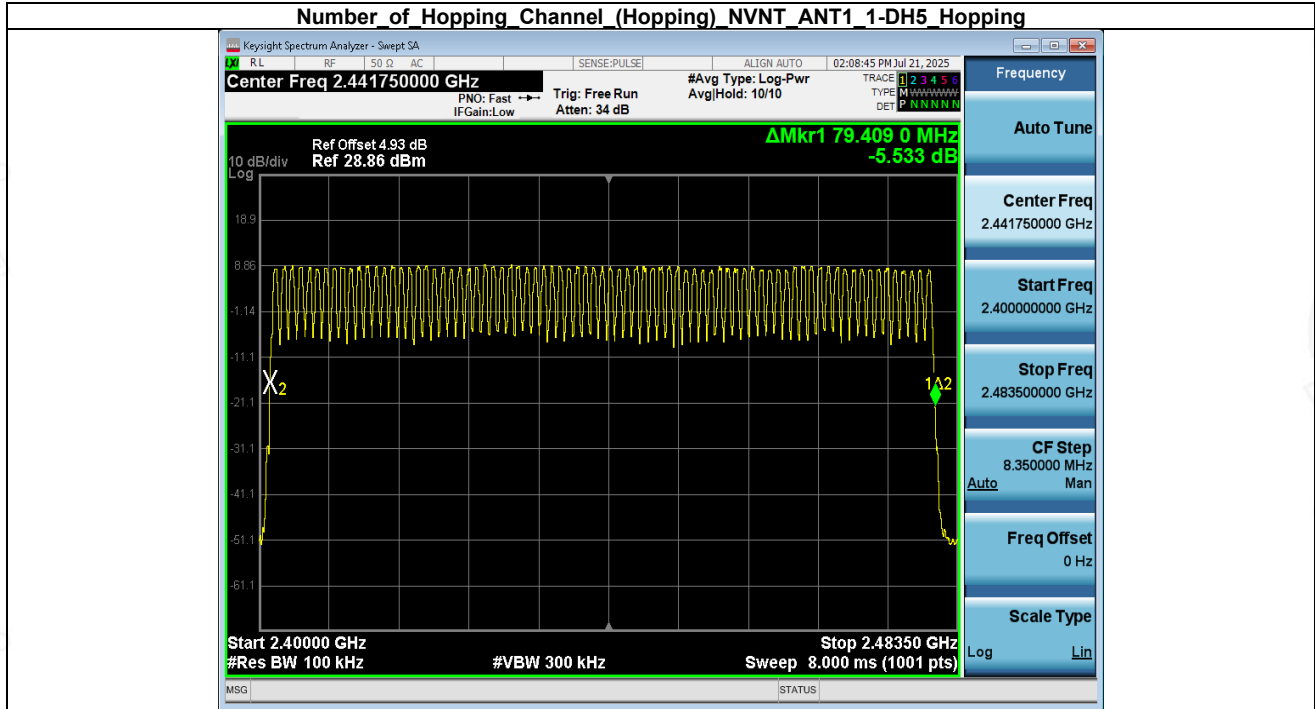




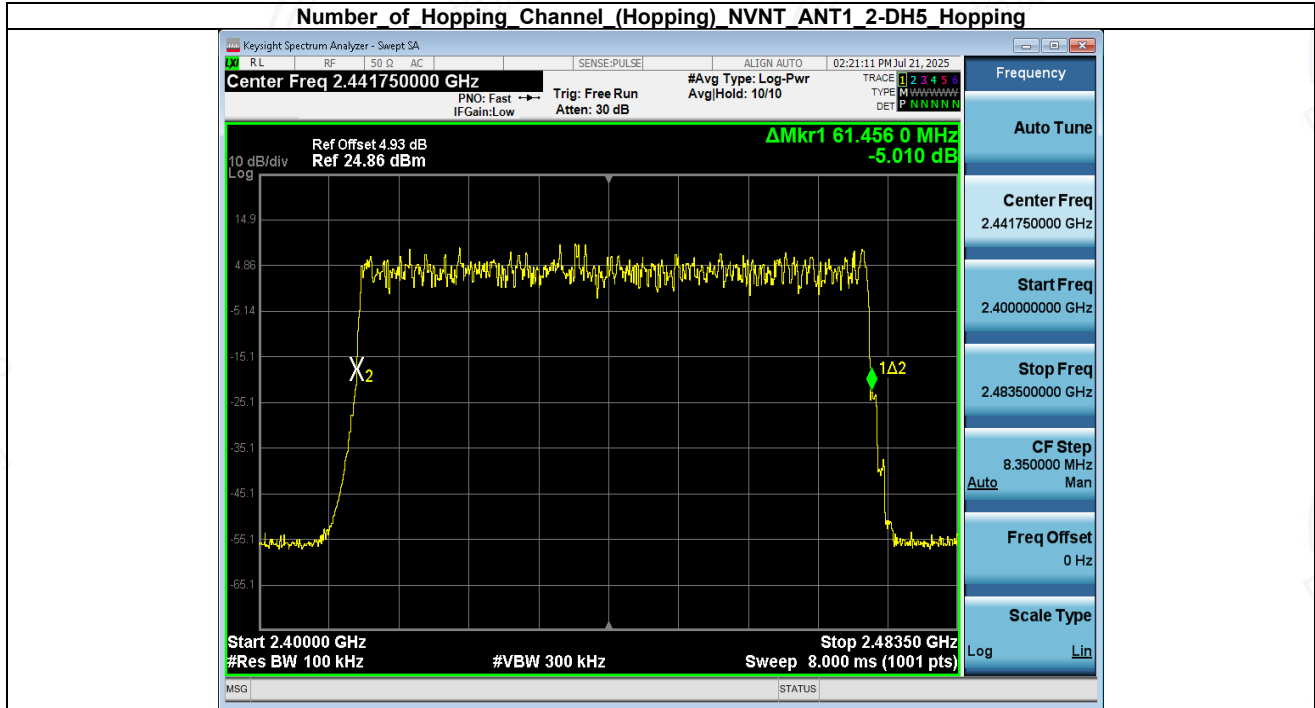
8. Number of Hopping Channel (Hopping)

Condition	Antenna	Modulation	Hopping Num	Limit	Result
NVNT	ANT1	1-DH5	79	15	Pass
NVNT	ANT1	2-DH5	61	15	Pass
NVNT	ANT1	3-DH5	80	15	Pass

Number_of_Hopping_Channel_(Hopping)_NVNT_ANT1_1-DH5_Hopping

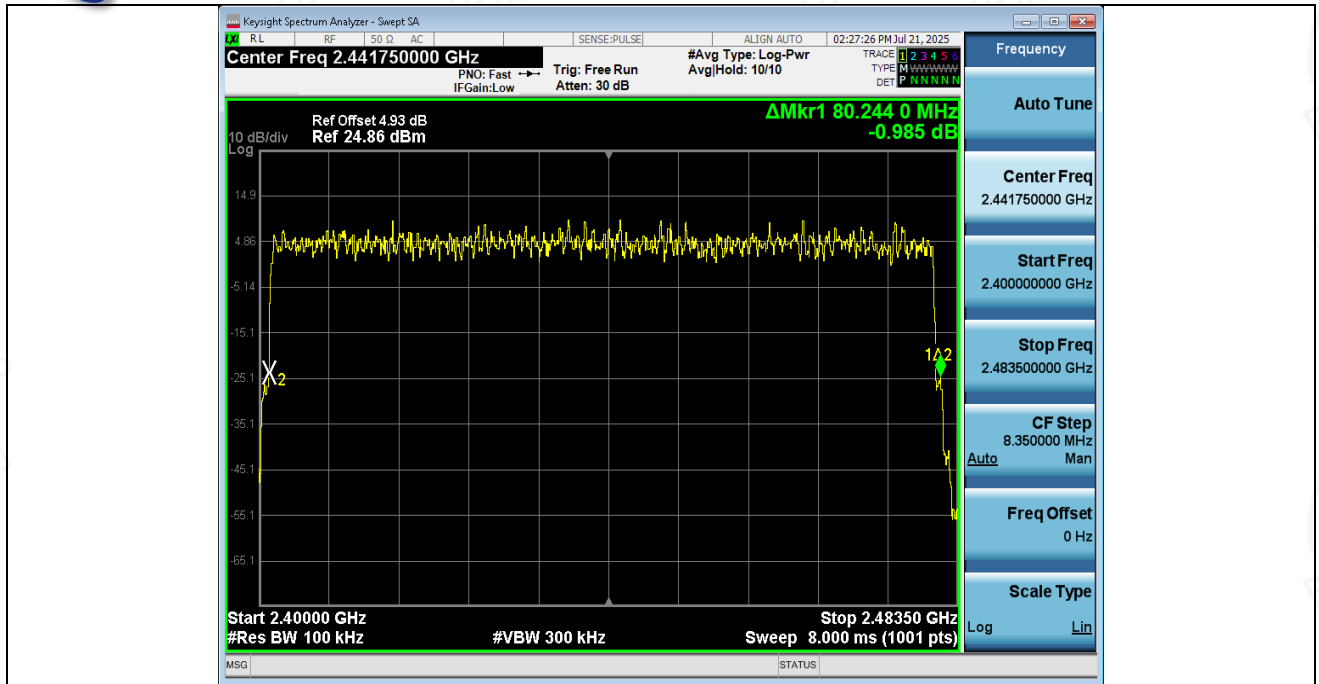


Number_of_Hopping_Channel_(Hopping)_NVNT_ANT1_2-DH5_Hopping



Number_of_Hopping_Channel_(Hopping)_NVNT_ANT1_3-DH5_Hopping

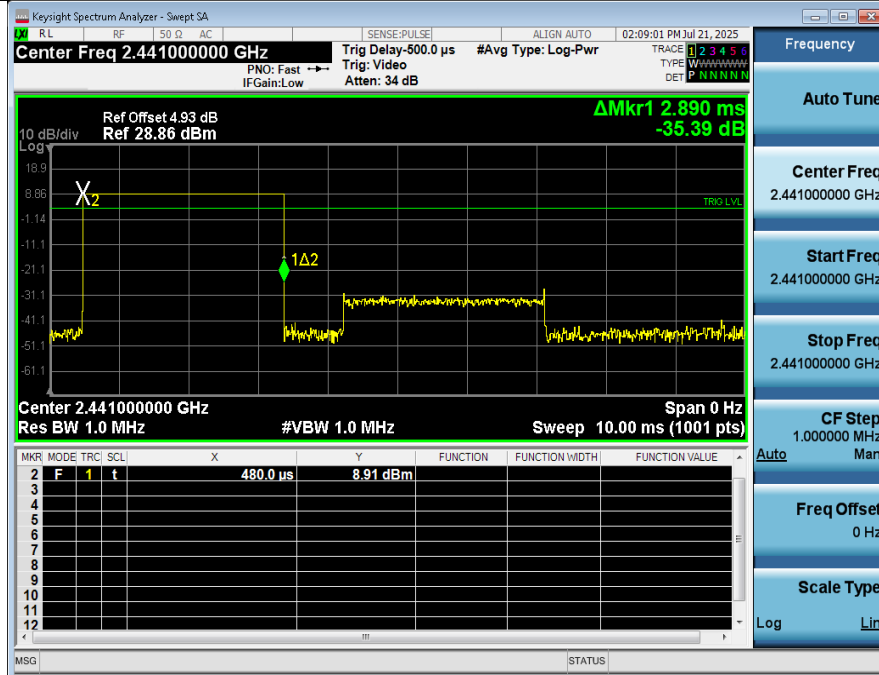




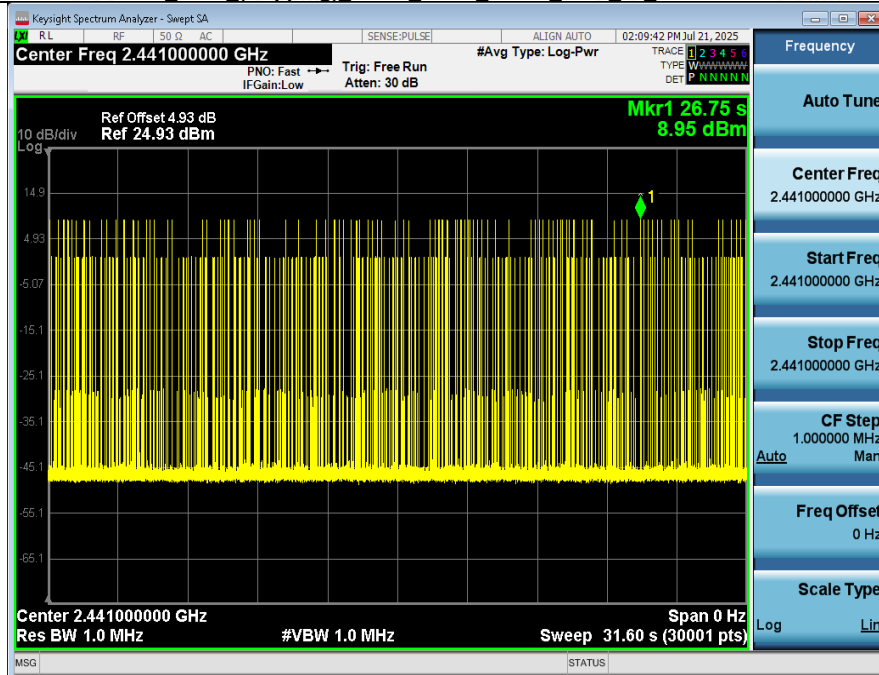
9. Dwell Time (Hopping)

Condition	Antenna	Packet Type	Pulse Time(ms)	Hops	Dwell Time(ms)	Limit(s)	Result
NVNT	ANT1	1-DH5	2.890	111.00	320.790	0.40	Pass
NVNT	ANT1	2-DH5	2.900	118.00	342.200	0.40	Pass
NVNT	ANT1	3-DH5	2.910	119.00	346.290	0.40	Pass

Dwell_Time (Hopping)_NVNT_ANT1_1-DH5_2441_00_One_Burst_Time

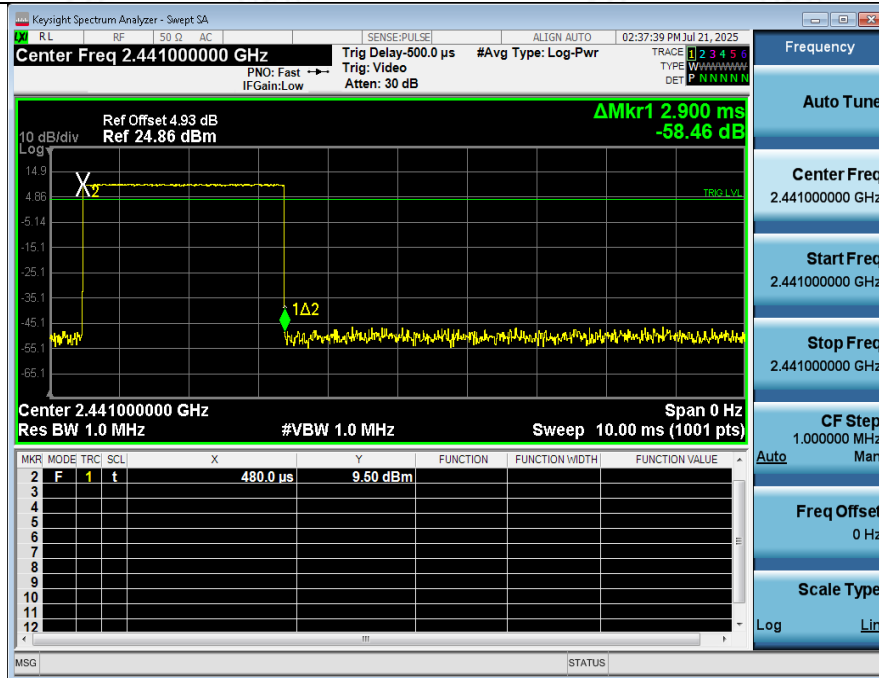


Dwell_Time (Hopping)_NVNT_ANT1_1-DH5_2441_00_Accumulated

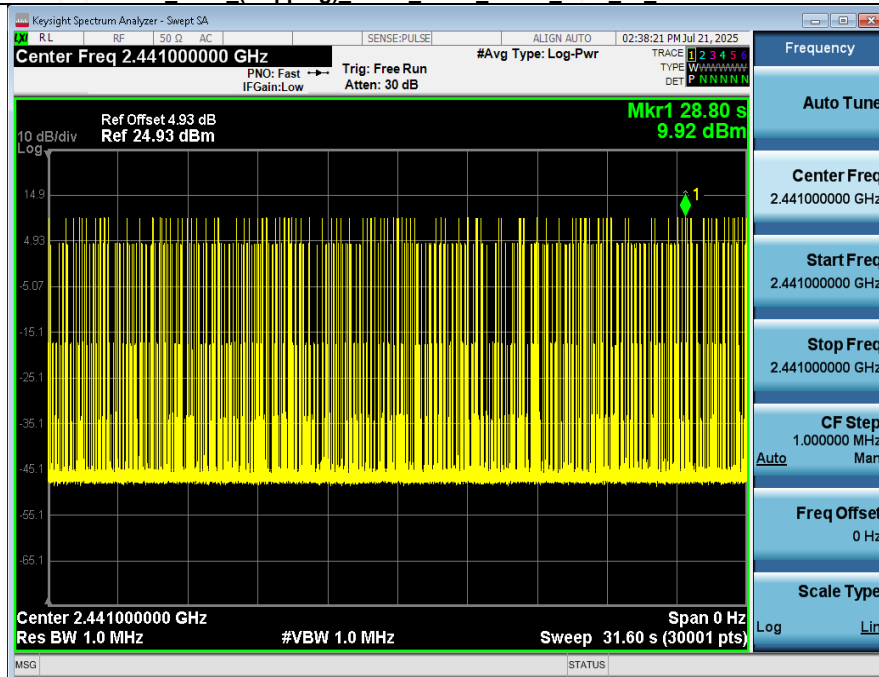


Dwell_Time (Hopping)_NVNT_ANT1_2-DH5_2441_00_One_Burst_Time



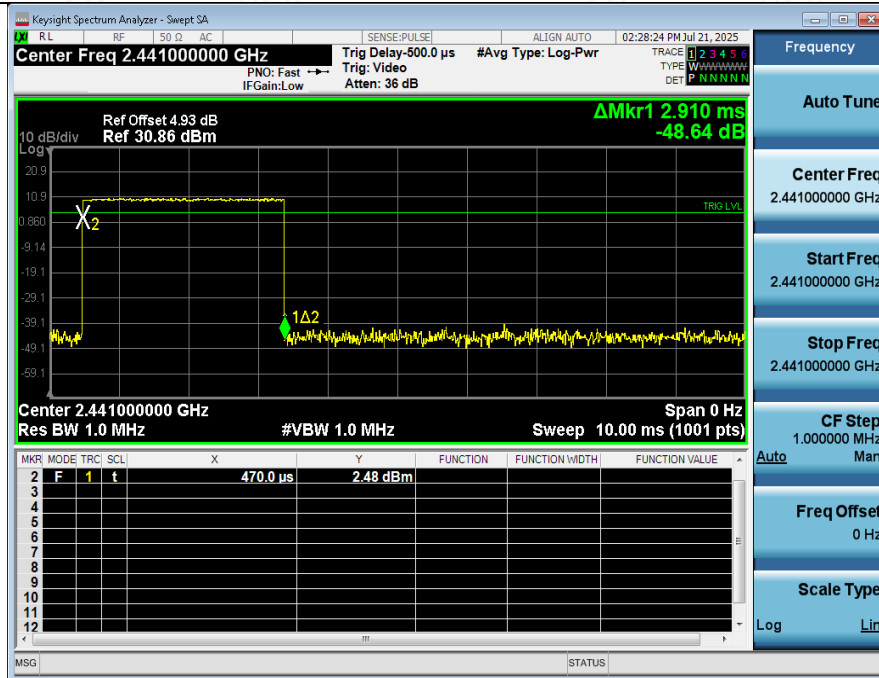


Dwell Time (Hopping) NVNT_ANT1_2-DH5_2441_00_Accumulated



Dwell Time (Hopping) NVNT_ANT1_3-DH5_2441_00_One_Burst_Time





Dwell Time (Hopping) NVNT_ANT1_3-DH5_2441_00 Accumulated

