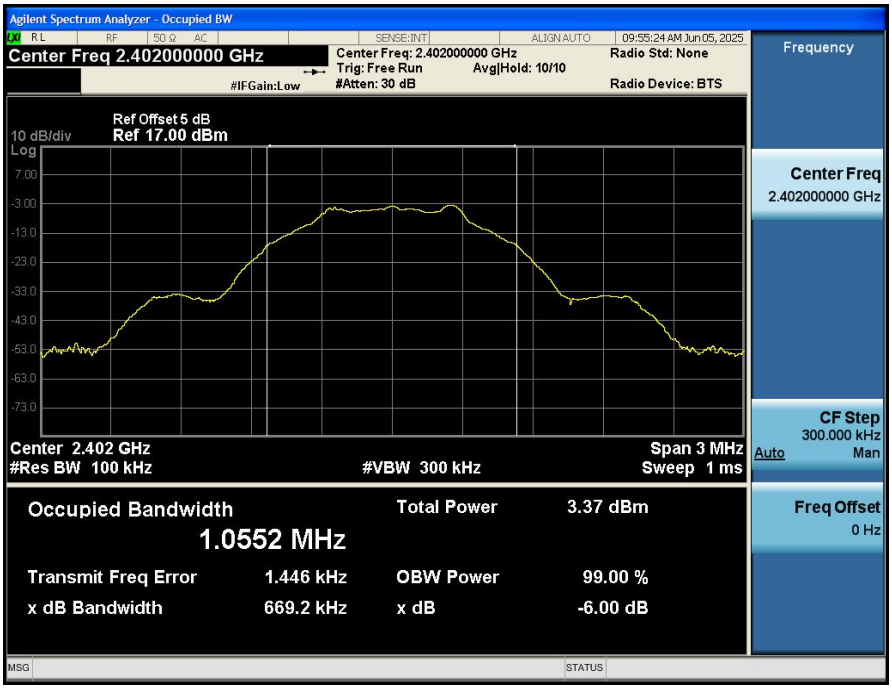
Appendix Test Data

Report No.:	1812C50257212501	Test Sample No.:	1-2-2
Start Test Date:	2025.5.28	Finish Test Date:	2025.6.5
Test Engineer:	Qiangfei Yang	Auditor:	Justin Feng
Temperature:	21.5℃	Relative Humidity:	56%
Pressure:	101kPa		

Appendix A: -6dB Bandwidth

Condition	Antenna	Rate	Frequency (MHz)	-6dB BW(kHz)	limit(kHz)	Result
NVNT	ANT1	1Mbps	2402.00	669.22	500	Pass
NVNT	ANT1	1Mbps	2440.00	670.40	500	Pass
NVNT	ANT1	1Mbps	2480.00	665.73	500	Pass

-6dB_Bandwidth_NVNT_ANT1_1Mbps_2402



-6dB_Bandwidth_NVNT_ANT1_1Mbps_2440

-6dB_Bandwidth_NVNT_ANT1_1Mbps_2480

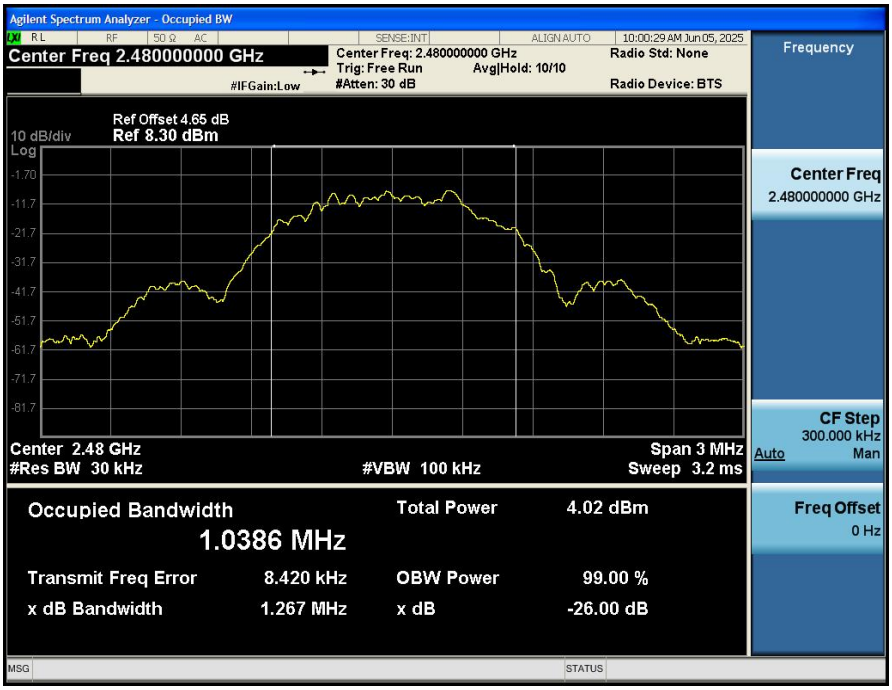
Appendix B: 99% Occupied Bandwidth

Condition	Antenna	Rate	Frequency (MHz)	99%%BW(MHz)
NVNT	ANT1	1Mbps	2402.00	1.039
NVNT	ANT1	1Mbps	2440.00	1.040
NVNT	ANT1	1Mbps	2480.00	1.039

99%_Occupied_Bandwidth_NVNT_ANT1_1Mbps_2402

99%_Occupied_Bandwidth_NVNT_ANT1_1Mbps_2440

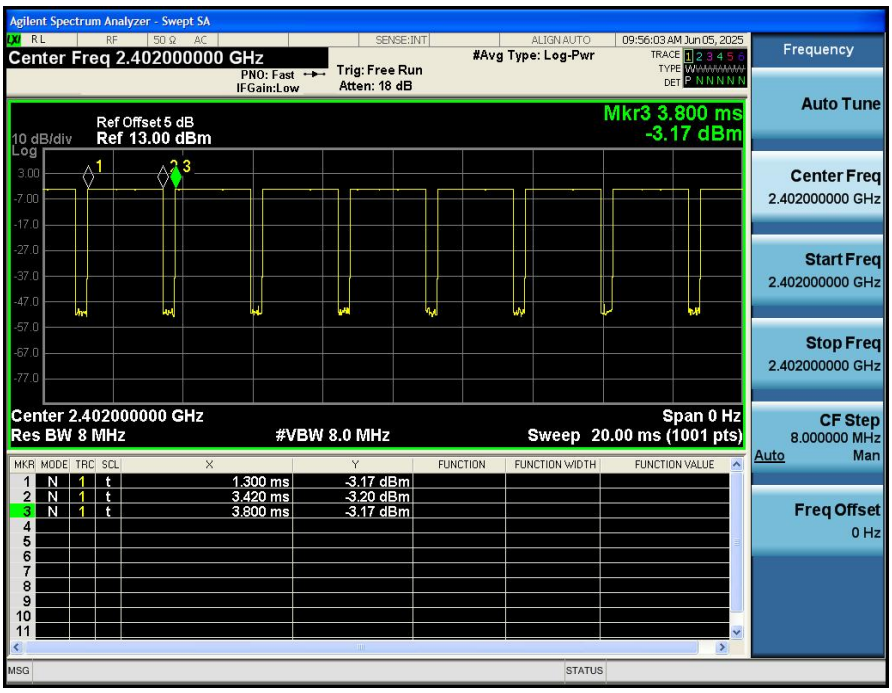
99%_Occupied_Bandwidth_NVNT_ANT1_1Mbps_2480



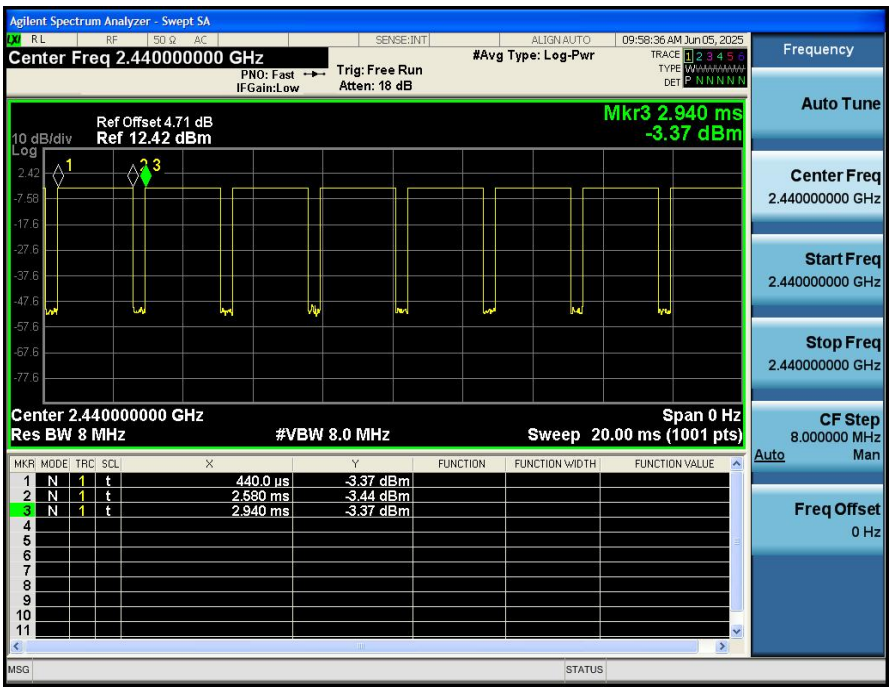
Appendix C: Duty Cycle

Condition	Antenna	Rate	Frequency (MHz)	Dutycycle(%)	Duty_factor
NVNT	ANT1	1Mbps	2402.00	85.60	0.68
NVNT	ANT1	1Mbps	2440.00	86.40	0.63
NVNT	ANT1	1Mbps	2480.00	86.40	0.63

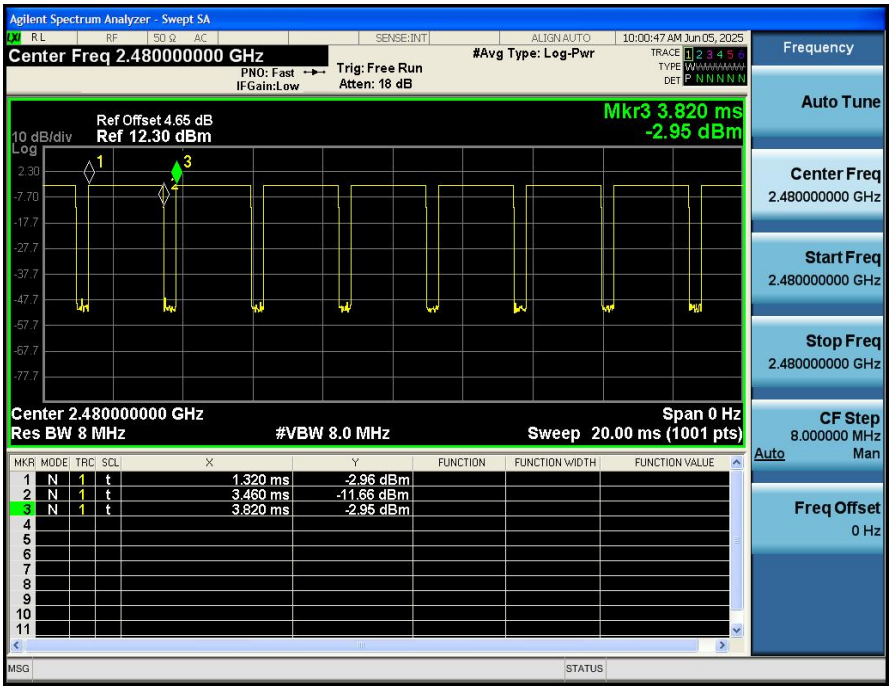
Duty_Cycle_NVNT_ANT1_1Mbps_2402



Duty_Cycle_NVNT_ANT1_1Mbps_2440



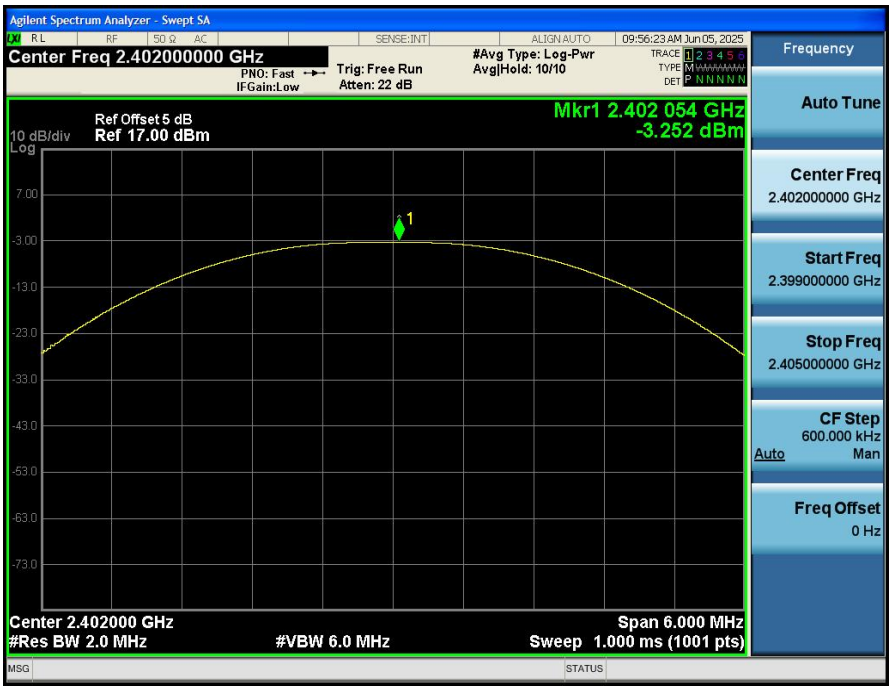
Duty_Cycle_NVNT_ANT1_1Mbps_2480



Appendix D: Peak Output Power

Condition	Antenna	Rate	Frequency (MHz)	Max. Conducted Power(dBm)	Max. Conducted Power(mW)	Limit(mW)	Result
NVNT	ANT1	1Mbps	2402.00	-3.25	0.47	1000	Pass
NVNT	ANT1	1Mbps	2440.00	-3.31	0.47	1000	Pass
NVNT	ANT1	1Mbps	2480.00	**-2.98**	0.50	1000	Pass

Peak_Output_Power_NVNT_ANT1_1Mbps_2402



Peak_Output_Power_NVNT_ANT1_1Mbps_2440

Peak_Output_Power_NVNT_ANT1_1Mbps_2480

Appendix E: Power Spectral Density

Condition	Antenna	Rate	Frequency (MHz)	Power Spectral Density(dBm/3kHz)	Limit(dBm/3kHz)	Result
NVNT	ANT1	1Mbps	2402.00	-19.62	8	Pass
NVNT	ANT1	1Mbps	2440.00	-19.72	8	Pass
NVNT	ANT1	1Mbps	2480.00	-19.33	8	Pass

Power_Spectral_Density_NVNT_ANT1_1Mbps_2402

Power_Spectral_Density_NVNT_ANT1_1Mbps_2440

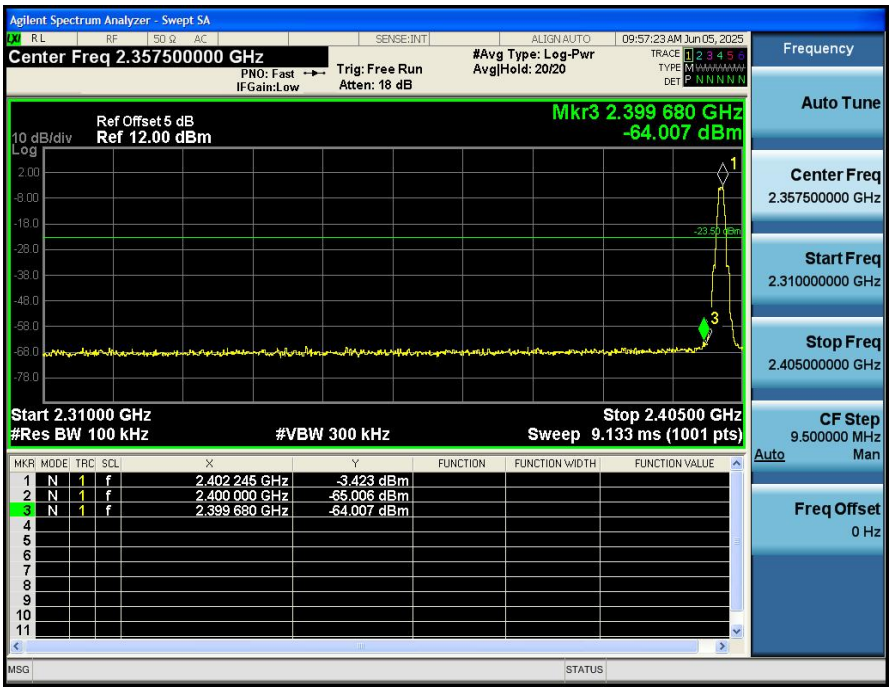
Power_Spectral_Density_NVNT_ANT1_1Mbps_2480

Appendix F: Bandedge

Condition	Antenna	Modulation	TX_Frequency (MHz)	Max. Mark_freq(MHz)	Ref_level(dBm)	Spurious level(dBm)	limit(dBm)	Result
NVNT	ANT1	1Mbps	2402.00	2399.680	-3.502	-64.007	-23.502	Pass
NVNT	ANT1	1Mbps	2480.00	2485.525	-3.215	-67.511	-23.215	Pass

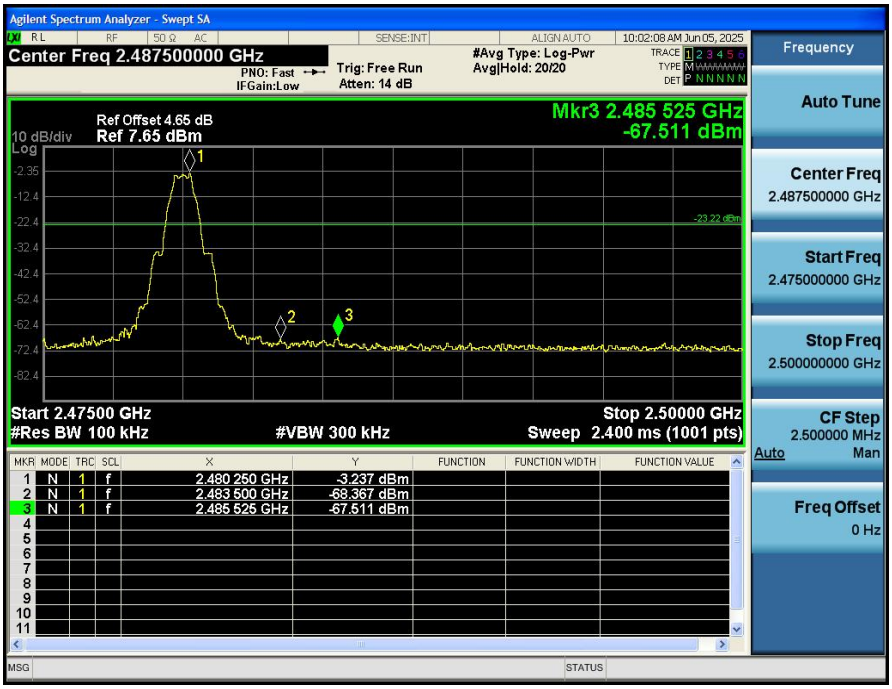
1_Reference_Level_NVNT_ANT1_1Mbps_2402

2_Bandedge_NVNT_ANT1_1Mbps_2402



1_Reference_Level_NVNT_ANT1_1Mbps_2480

2_Bandedge_NVNT_ANT1_1Mbps_2480

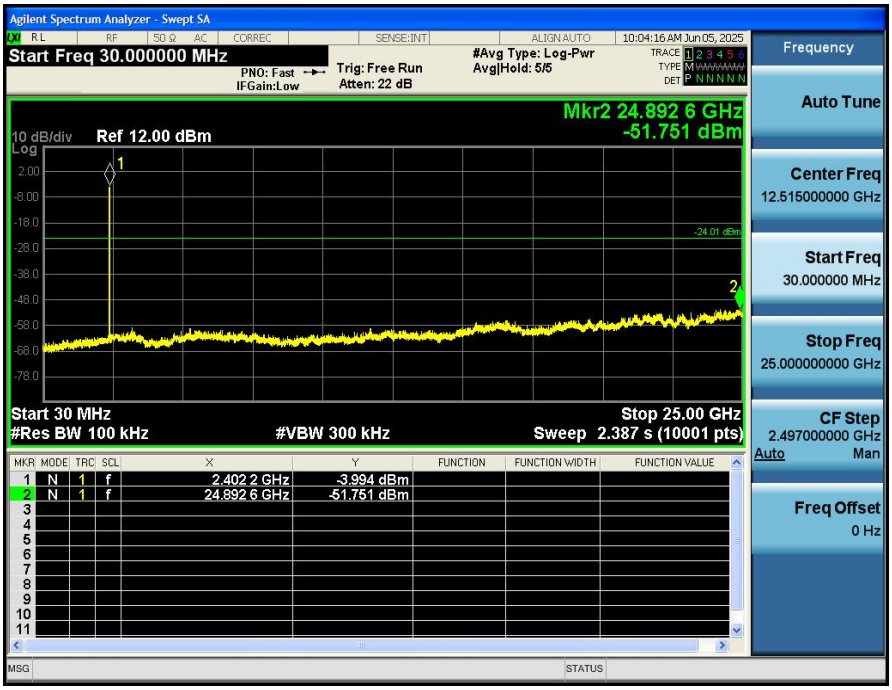


Appendix G: Spurious Emission

Condition	Antenna	Modulation	TX_Frequency (MHz)	Ref_level(dBm)	Spurious level(dBm)	limit(dBm)	Result
NVNT	ANT1	1Mbps	2402.00	-4.007	-51.751	-24.007	Pass
NVNT	ANT1	1Mbps	2440.00	-4.596	-50.990	-24.596	Pass
NVNT	ANT1	1Mbps	2480.00	-3.376	-51.967	-23.376	Pass

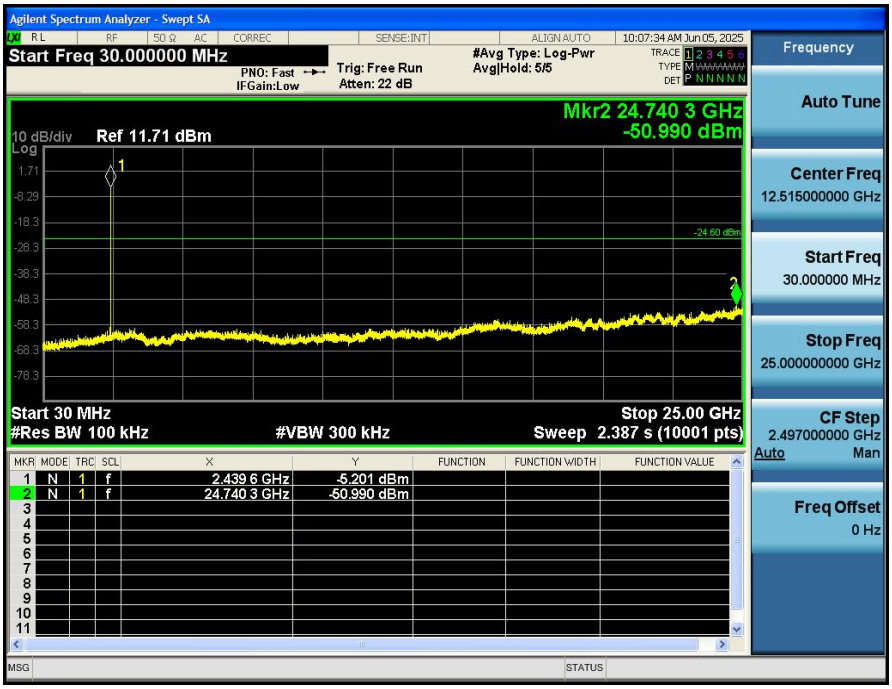
1_Reference_Level_NVNT_ANT1_1Mbps_2402

2_Spurious_Emission_NVNT_ANT1_1Mbps_2402



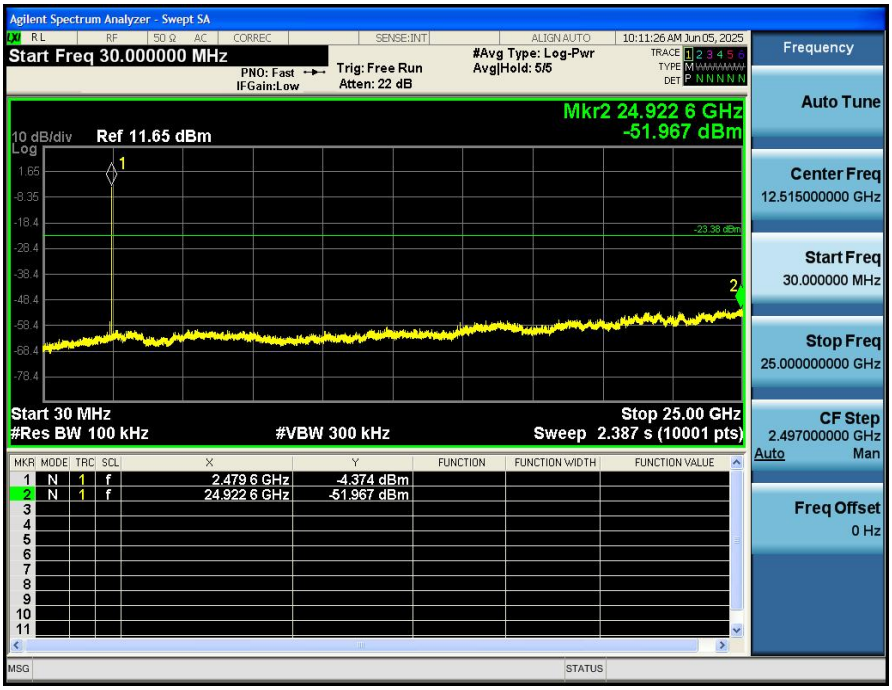
1_Reference_Level_NVNT_ANT1_1Mbps_2440

2_Spurious_Emission_NVNT_ANT1_1Mbps_2440



1_Reference_Level_NVNT_ANT1_1Mbps_2480

2_Spurious_Emission_NVNT_ANT1_1Mbps_2480



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