Appendix Test Data

Report No.:	1812C40079612501	Test Sample No.:	1-2-2
Start Test Date:	2024.9.18	Finish Test Date:	2024.9.18
Test Engineer:	Jokes Huang	Auditor:	Justin Feng
Temperature:	23.7℃	Relative Humidity:	49%
Pressure:	101kPa		

Appendix A: -6dB Bandwidth

Condition	Antenna	Rate	Frequency (MHz)	-6dB BW(kHz)	limit(kHz)	Result
NVNT	ANT1	1Mbps	2402.00	759.08	500	Pass
NVNT	ANT1	1Mbps	2440.00	998.12	500	Pass
NVNT	ANT1	1Mbps	2480.00	738.57	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	1.053
NVNT	ANT1	1Mbps	2440.00	1.018
NVNT	ANT1	1Mbps	2480.00	1.030

99%_Occupied_Bandwidth_NVNT_ANT1_1Mbps_2402

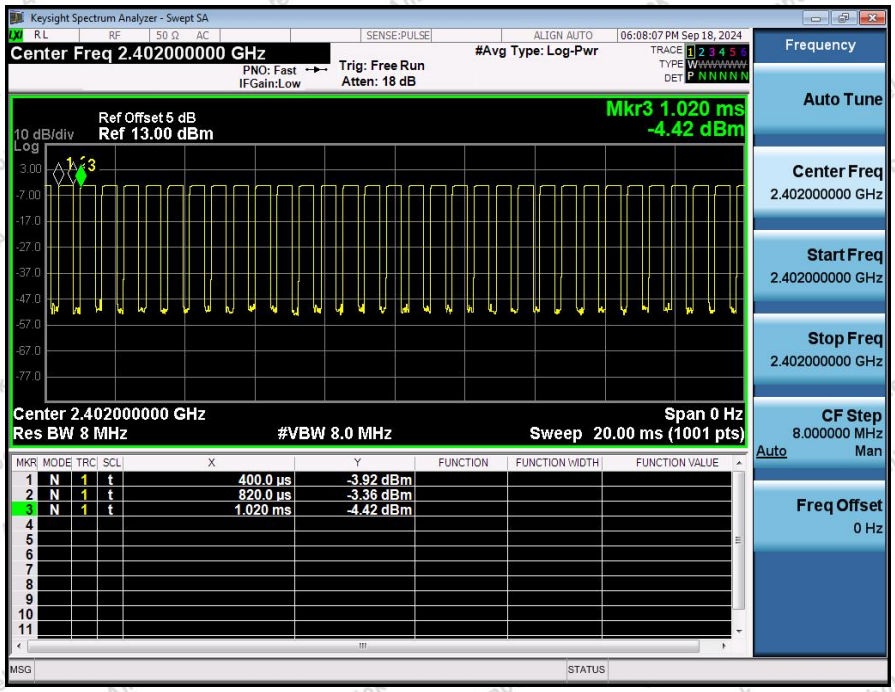
99%_Occupied_Bandwidth_NVNT_ANT1_1Mbps_2440

99%_Occupied_Bandwidth_NVNT_ANT1_1Mbps_2480

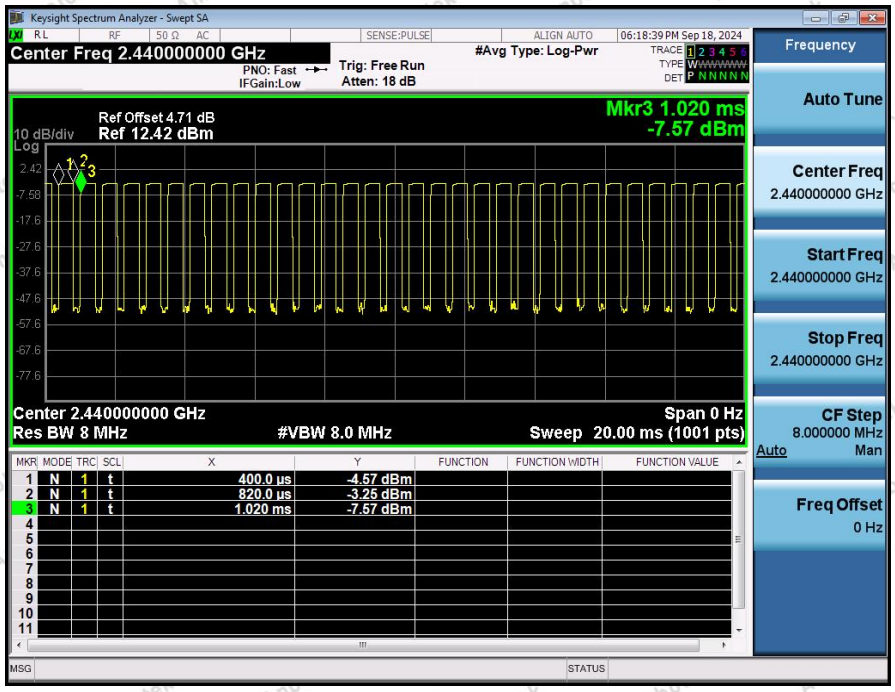
Appendix C: Duty Cycle

Condition	Antenna	Rate	Frequency (MHz)	Dutycycle(%)	Duty_factor
NVNT	ANT1	1Mbps	2402.00	70.97	1.49
NVNT	ANT1	1Mbps	2440.00	70.97	1.49
NVNT	ANT1	1Mbps	2480.00	70.97	1.49

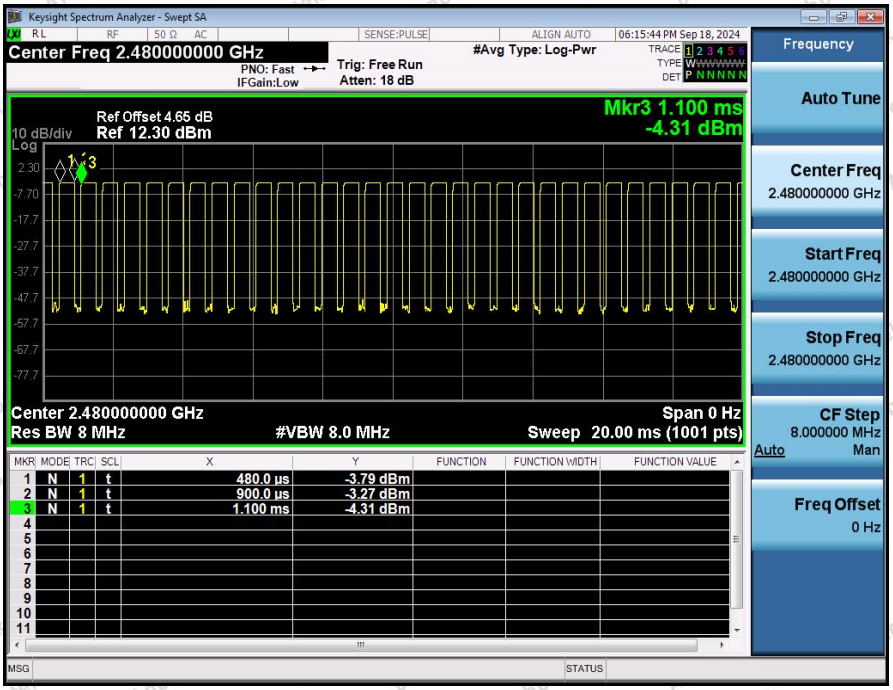
Duty_Cycle_NVNT_ANT1_1Mbps_2402



Duty_Cycle_NVNT_ANT1_1Mbps_2440



Duty_Cycle_NVNT_ANT1_1Mbps_2480

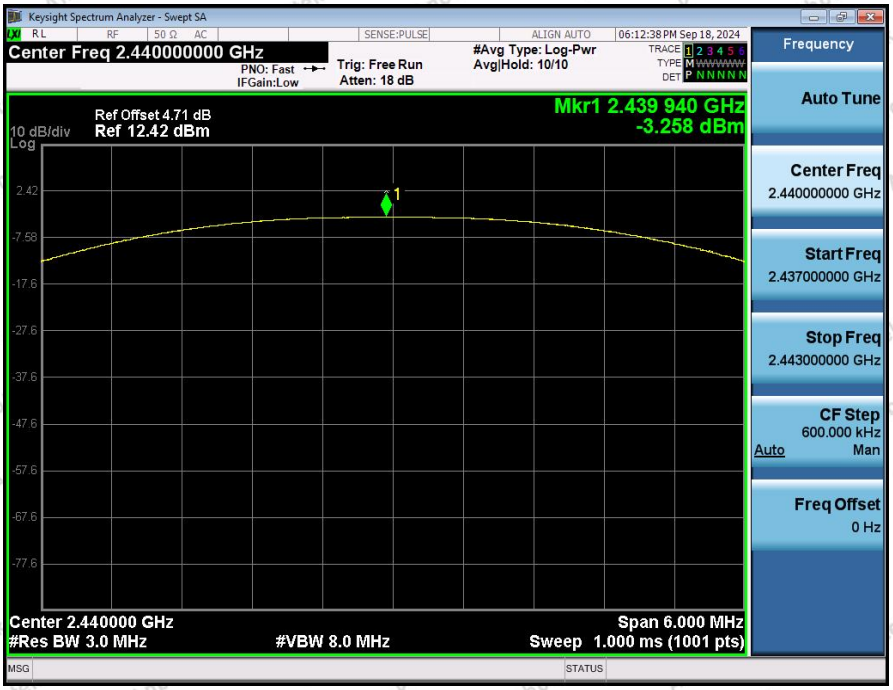


Appendix D: Peak Output Power

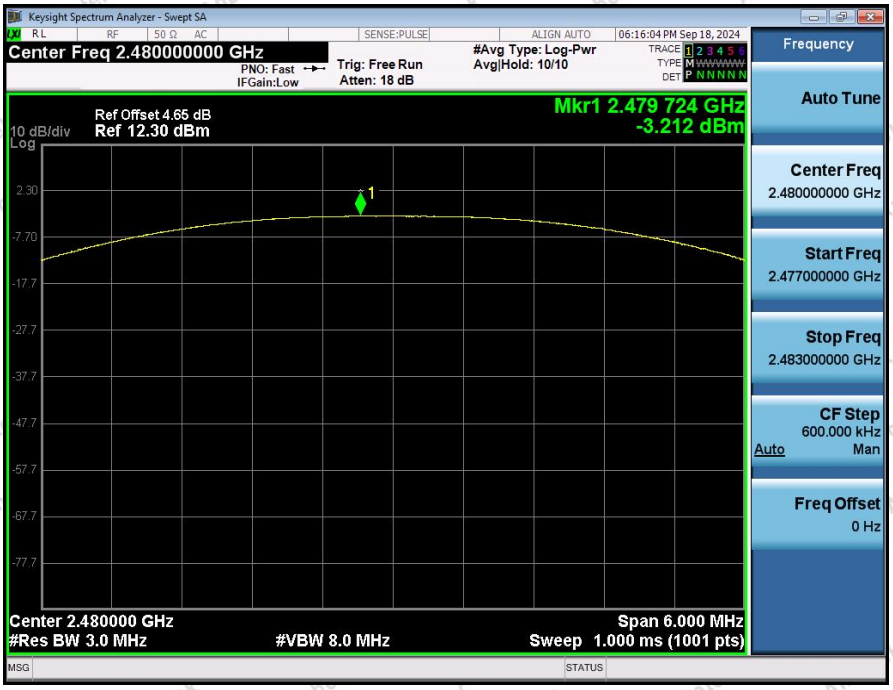
Condition	Antenna	Rate	Frequency (MHz)	Max. Conducted Power(dBm)	Max. Conducted Power(mW)	Limit(mW)	Result
NVNT	ANT1	1Mbps	2402.00	-3.24	0.47	1000	Pass
NVNT	ANT1	1Mbps	2440.00	-3.26	0.47	1000	Pass
NVNT	ANT1	1Mbps	2480.00	**-3.21**	0.48	1000	Pass

Peak_Output_Power_NVNT_ANT1_1Mbps_2402

Peak_Output_Power_NVNT_ANT1_1Mbps_2440



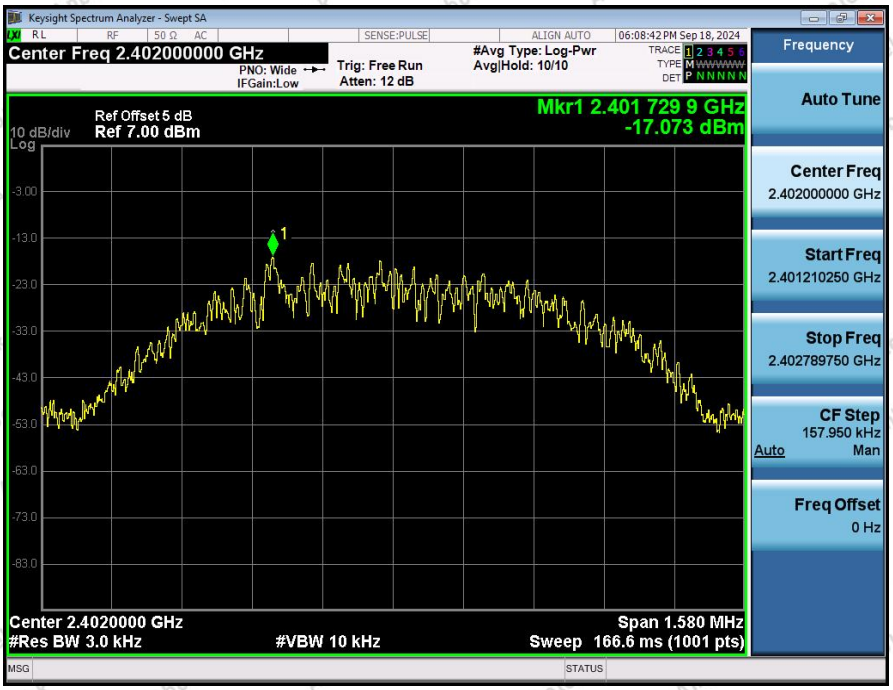
Peak_Output_Power_NVNT_ANT1_1Mbps_2480



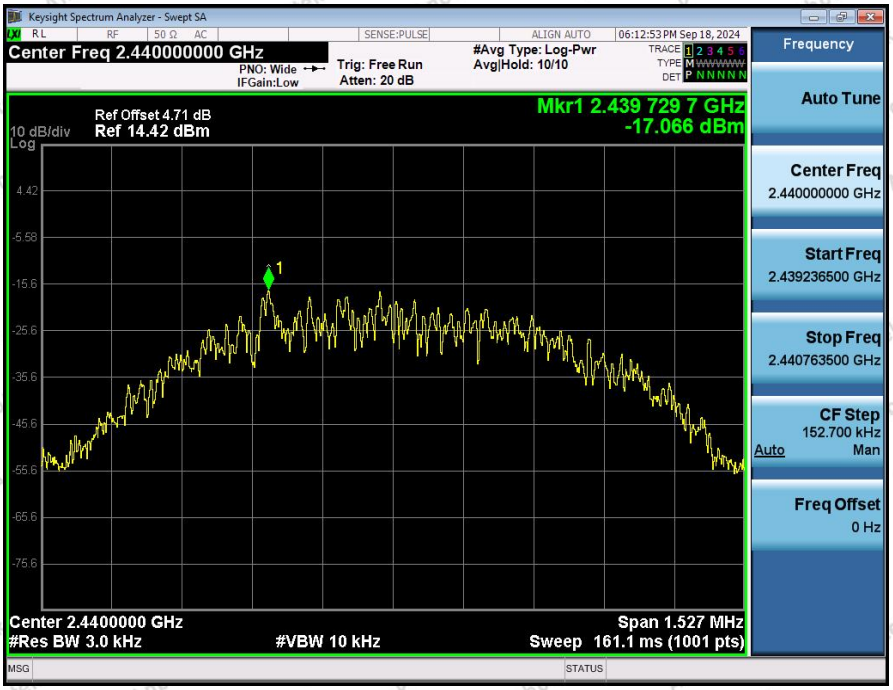
Appendix E: Power Spectral Density

Condition	Antenna	Rate	Frequency (MHz)	Power Spectral Density(dBm)	Limit(dBm/3kHz)	Result
NVNT	ANT1	1Mbps	2402.00	-17.07	8	Pass
NVNT	ANT1	1Mbps	2440.00	-17.07	8	Pass
NVNT	ANT1	1Mbps	2480.00	-17.09	8	Pass

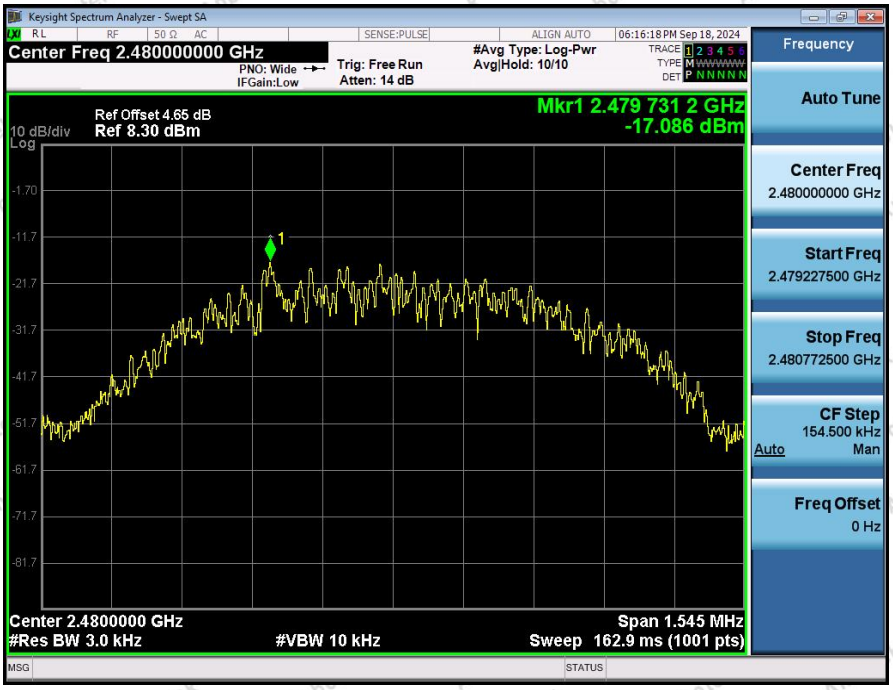
Power_Spectral_Density_NVNT_ANT1_1Mbps_2402



Power_Spectral_Density_NVNT_ANT1_1Mbps_2440



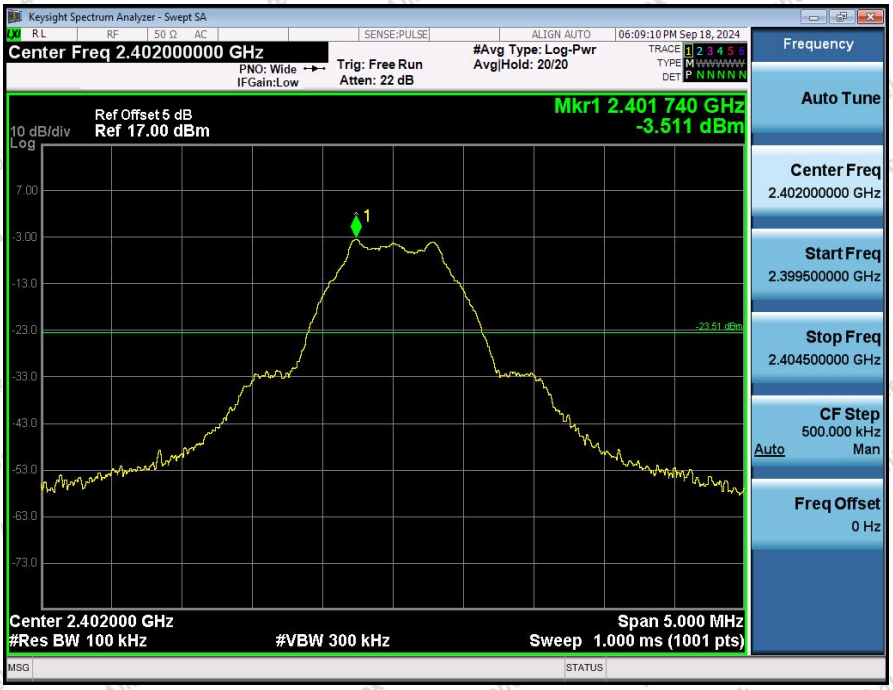
Power_Spectral_Density_NVNT_ANT1_1Mbps_2480



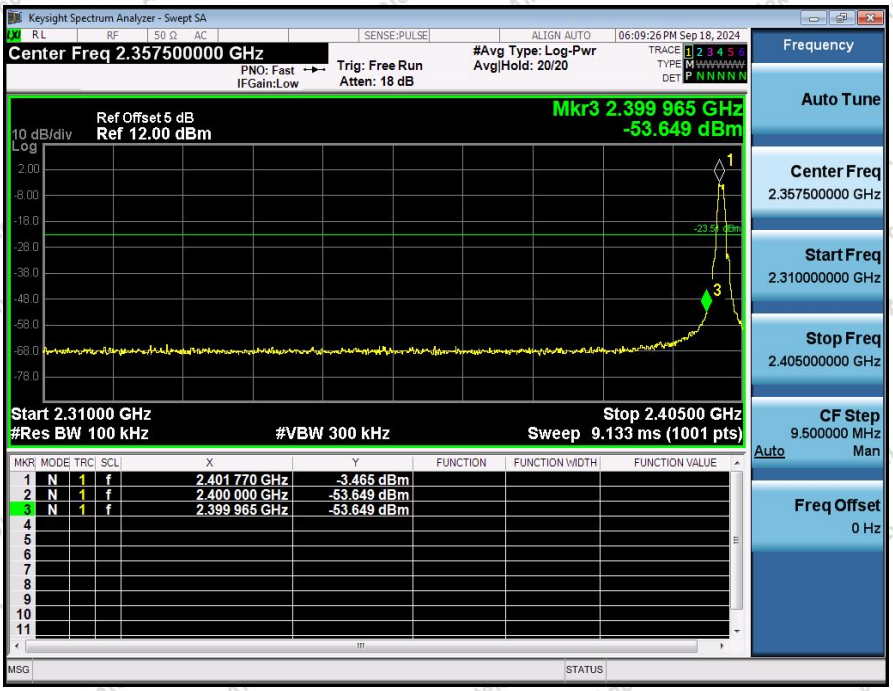
Appendix F: Bandedge

Condition	Antenna	Rate	TX_Frequency (MHz)	Max. Mark Frequency (MHz)	Spurious level(dBm)	limit(dBm)	Result
NVNT	ANT1	1Mbps	2402.00	2399.965	-53.649	-23.511	Pass
NVNT	ANT1	1Mbps	2480.00	2483.550	-61.046	-23.458	Pass

1_Reference_Level_NVNT_ANT1_1Mbps_2402

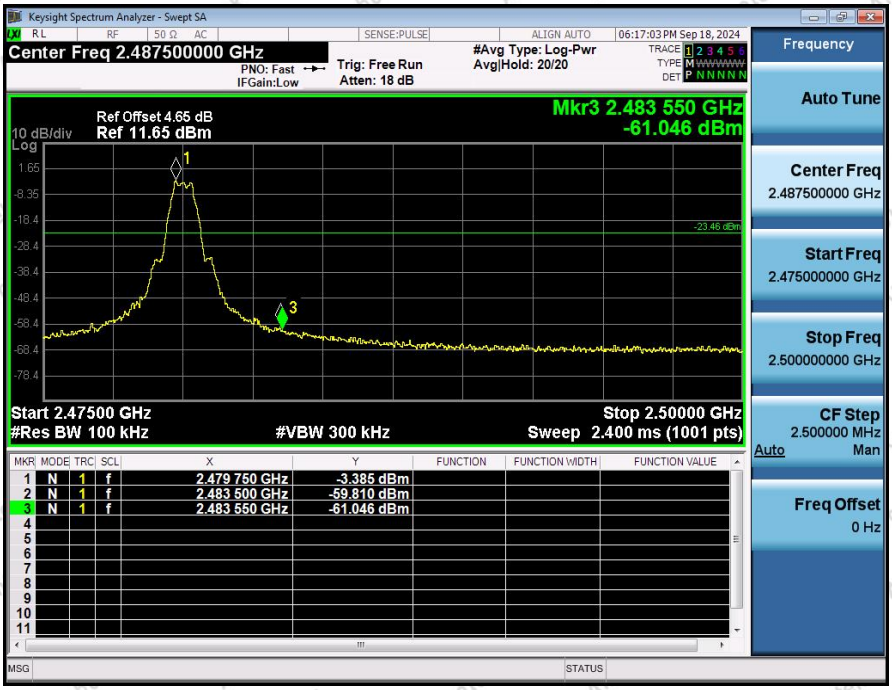


2_Bandedge_NVNT_ANT1_1Mbps_2402



1_Reference_Level_NVNT_ANT1_1Mbps_2480

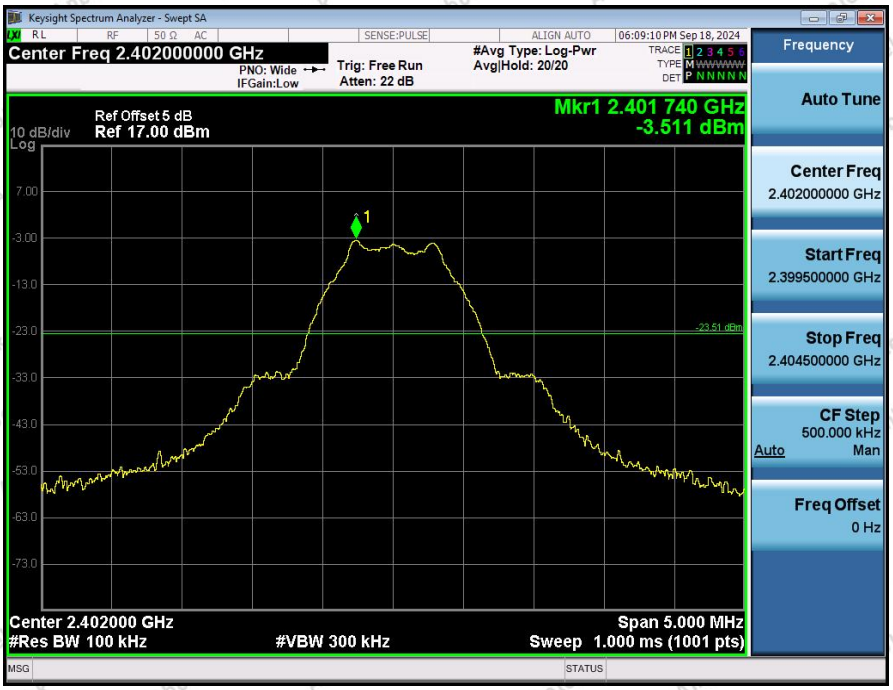
2_Bandedge_NVNT_ANT1_1Mbps_2480



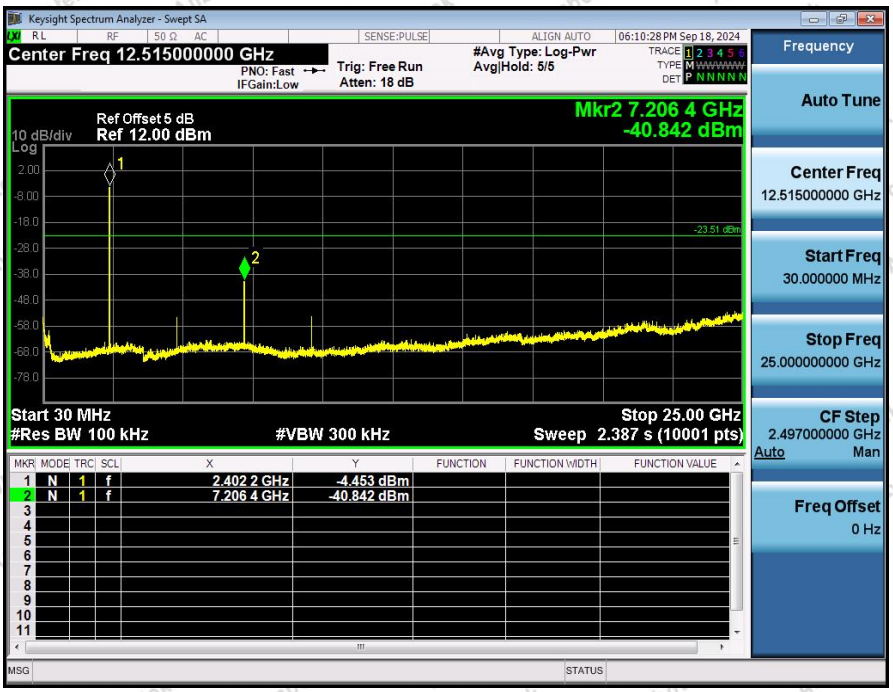
Appendix G: Spurious Emission

Condition	Antenna	Rate	TX_Frequency(MHz)	Spurious MAX.Value(dBm)	Limit	Result
NVNT	ANT1	1Mbps	2402.00	-40.842	-23.511	Pass
NVNT	ANT1	1Mbps	2440.00	-41.717	-23.544	Pass
NVNT	ANT1	1Mbps	2480.00	-44.715	-23.458	Pass

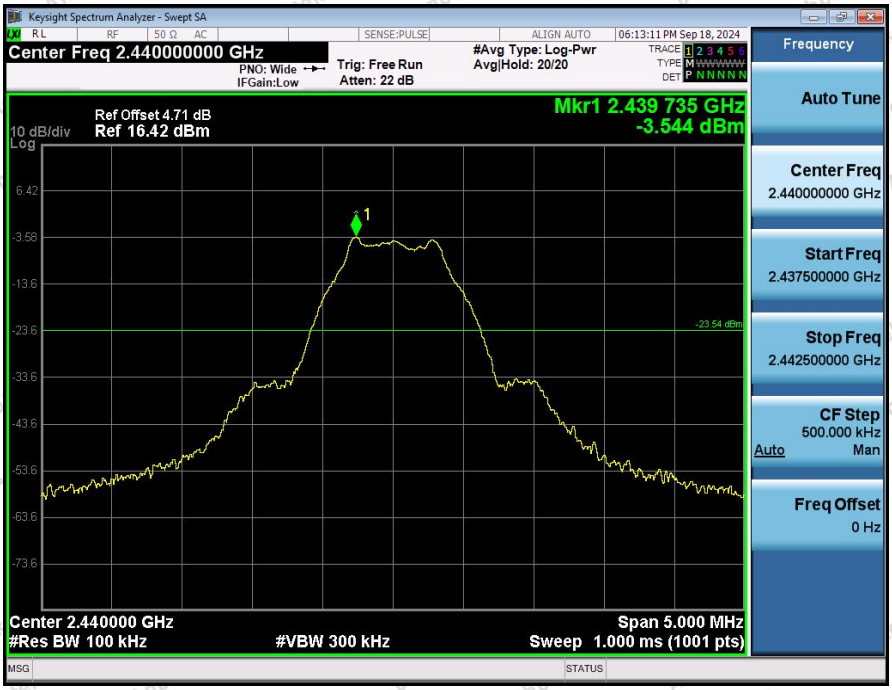
1_Reference_Level_NVNT_ANT1_1Mbps_2402



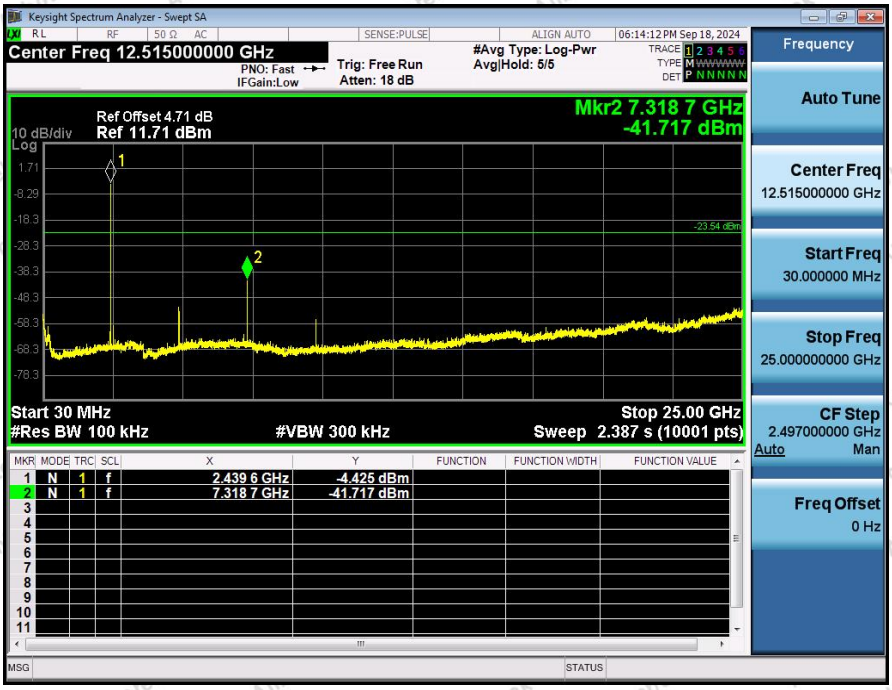
2_Spurious_Emission_NVNT_ANT1_1Mbps_2402



1_Reference_Level_NVNT_ANT1_1Mbps_2440

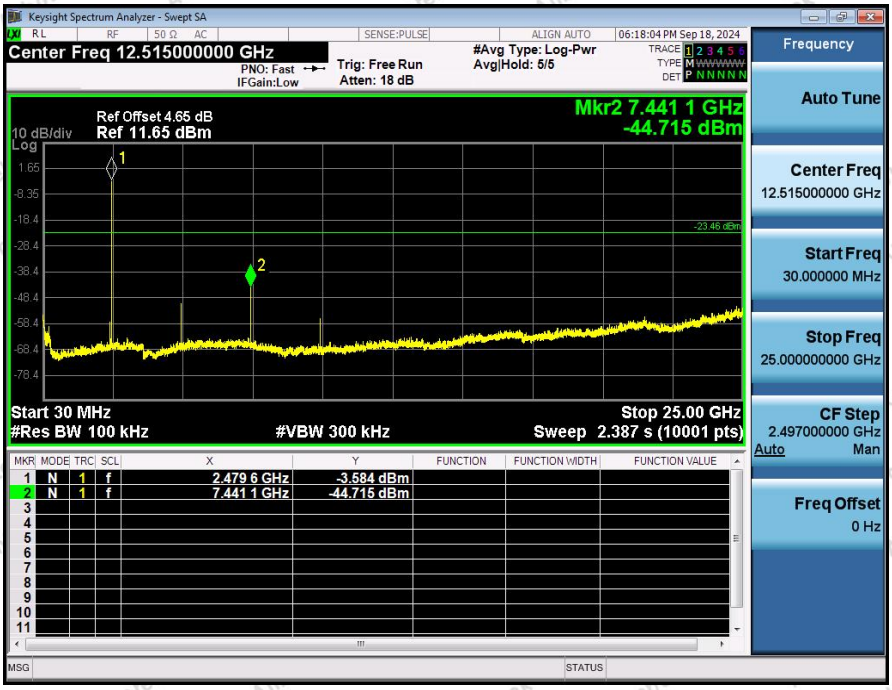


2_Spurious_Emission_NVNT_ANT1_1Mbps_2440



1_Reference_Level_NVNT_ANT1_1Mbps_2480

2_Spurious_Emission_NVNT_ANT1_1Mbps_2480



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