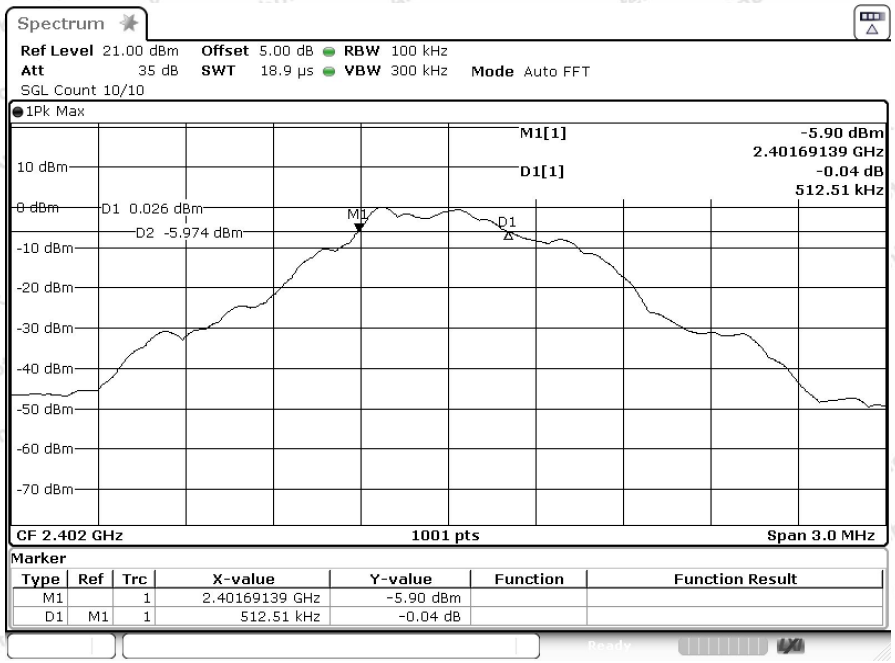
Appendix Test Data

Report No.:	18220WC40076901	Test Sample No.:	1-2-2
Start Test Date:	2024.4.18	Finish Test Date:	2024.4.18
Test Engineer:	Joker Huang	Auditor:	Justin Feng
Temperature:	25.5℃	Relative Humidity:	47%
Pressure:	101kPa		

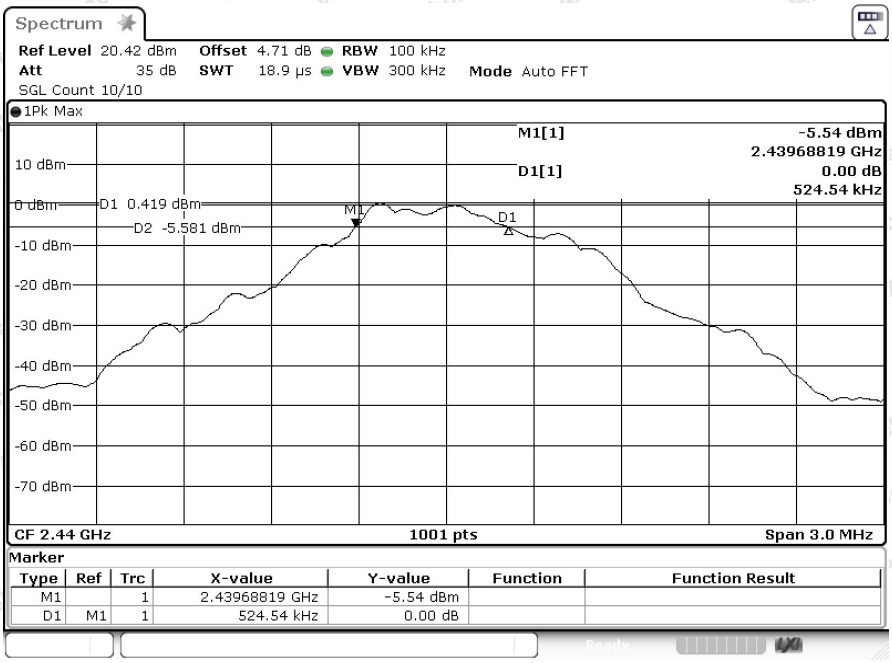
Appendix A: -6dB Bandwidth

Condition	Antenna	Rate	Frequency (MHz)	-6dB BW(kHz)	limit(kHz)	Result
NVNT	ANT1	1Mbps	2402	512.51	500	Pass
NVNT	ANT1	1Mbps	2440	524.54	500	Pass
NVNT	ANT1	1Mbps	2480	524.54	500	Pass

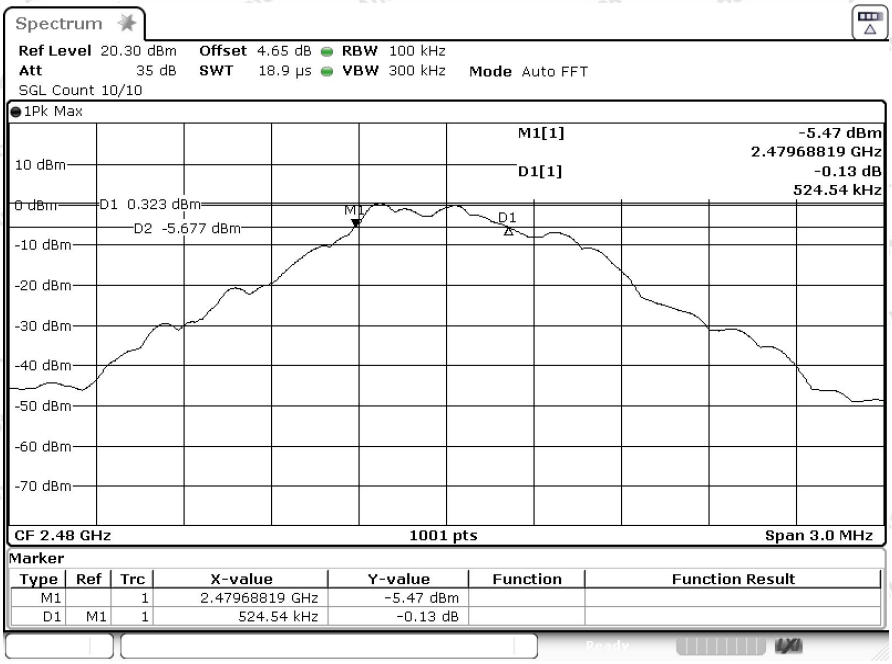
-6dB_Bandwidth_NVNT_ANT1_1Mbps_2402



-6dB_Bandwidth_NVNT_ANT1_1Mbps_2440



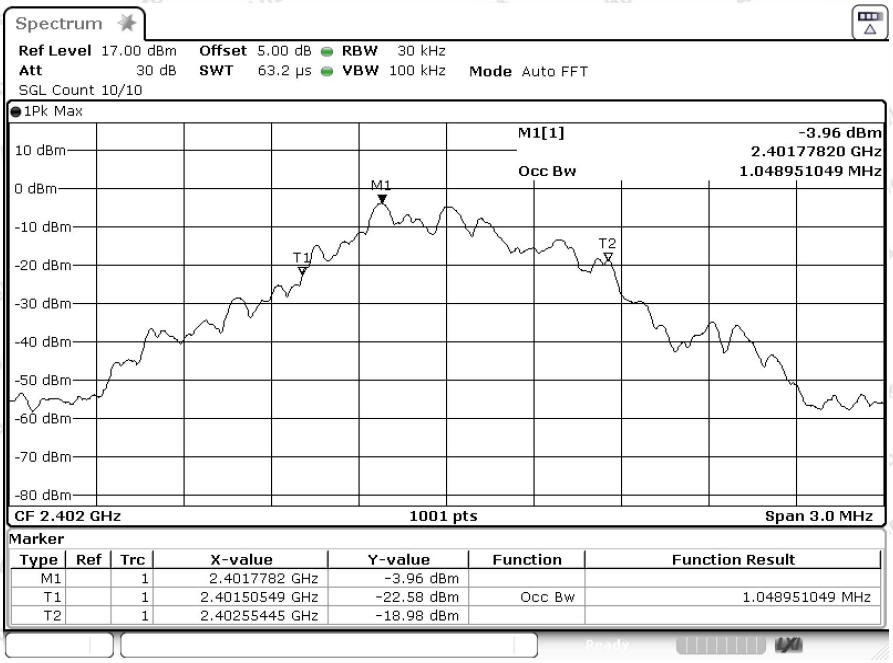
-6dB_Bandwidth_NVNT_ANT1_1Mbps_2480



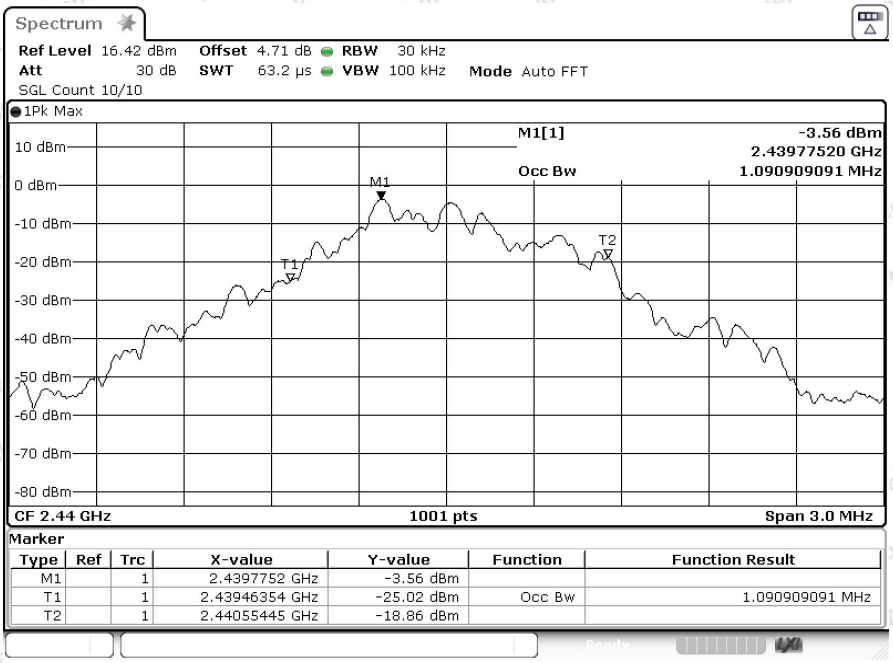
Appendix B: 99% Occupied Bandwidth

Condition	Antenna	Rate	Frequency (MHz)	99%%BW(MHz)
NVNT	ANT1	1Mbps	2402	1.049
NVNT	ANT1	1Mbps	2440	1.091
NVNT	ANT1	1Mbps	2480	1.127

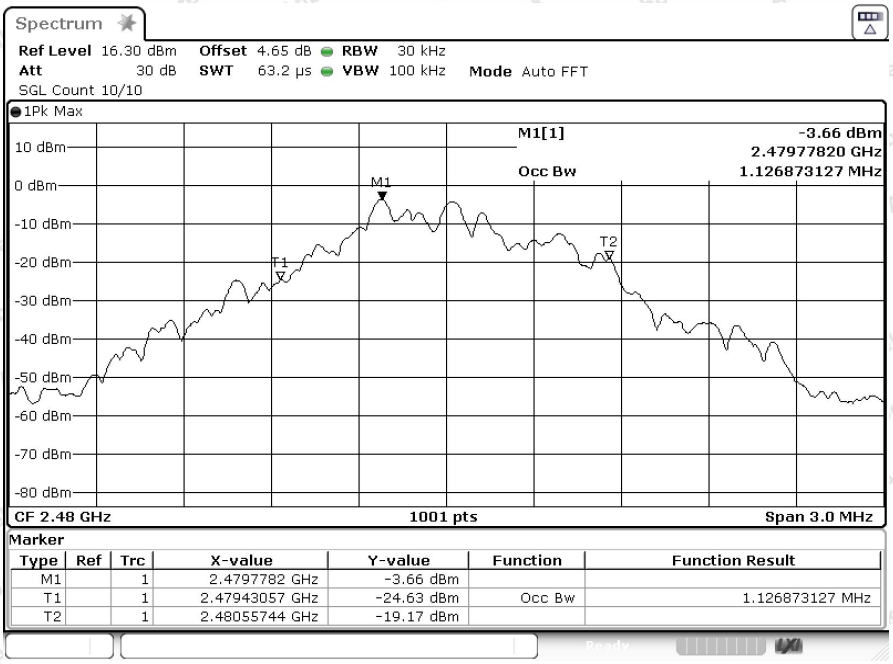
99%_Occupied_Bandwidth_NVNT_ANT1_1Mbps_2402



99%_Occupied_Bandwidth_NVNT_ANT1_1Mbps_2440



99%_Occupied_Bandwidth_NVNT_ANT1_1Mbps_2480



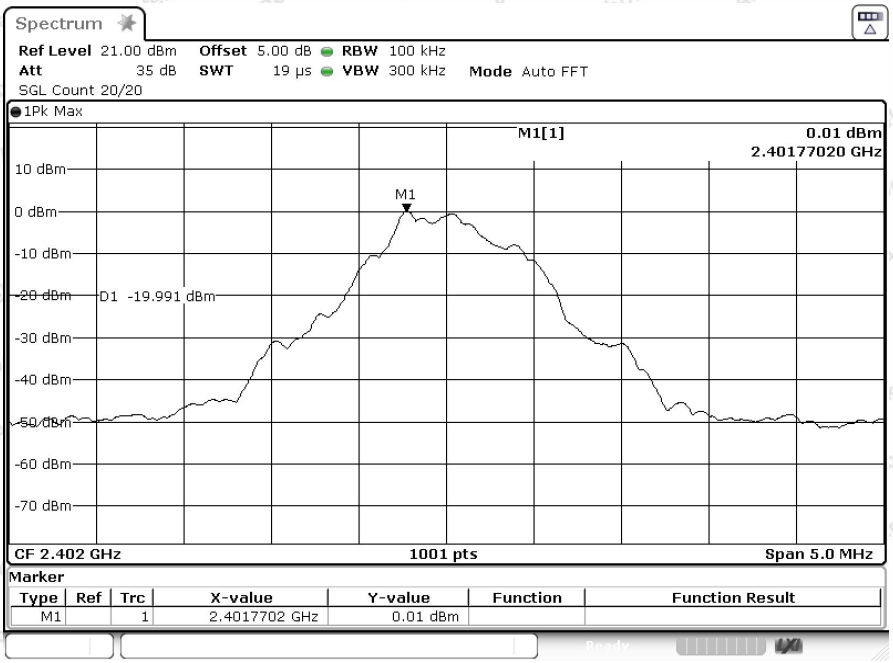
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.4797782 GHz	-3.66 dBm		
T1		1	2.47943057 GHz	-24.63 dBm	Occ Bw	1.126873127 MHz
T2		1	2.48055744 GHz	-19.17 dBm		

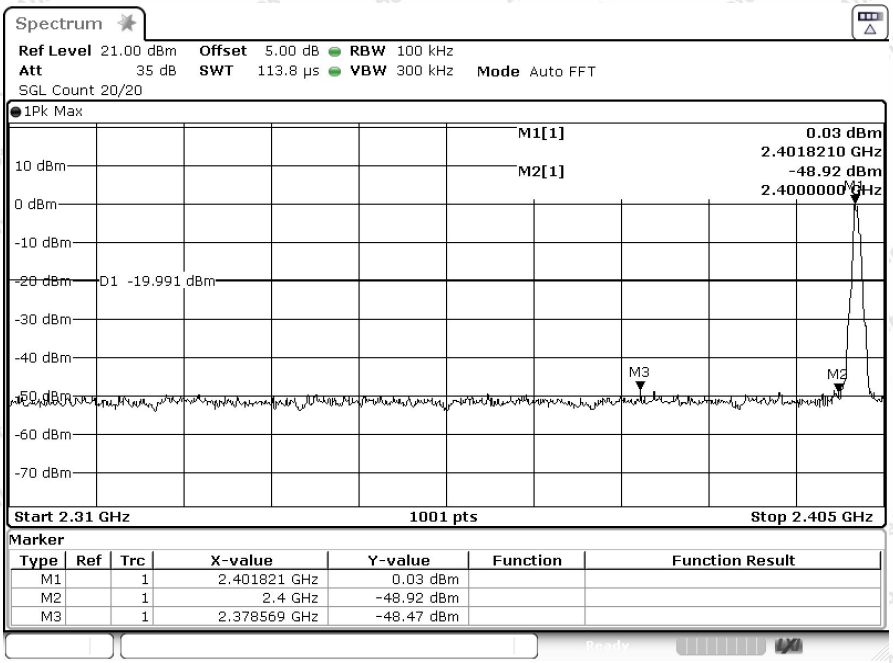
Appendix C: Bandedge

Condition	Antenna	Rate	TX_Frequency (MHz)	Max. Mark Frequency (MHz)	Spurious level(dBm)	limit(dBm)	Result
NVNT	ANT1	1Mbps	2402	2378.569	-48.474	-19.991	Pass
NVNT	ANT1	1Mbps	2480	2491.146	-48.930	-19.687	Pass

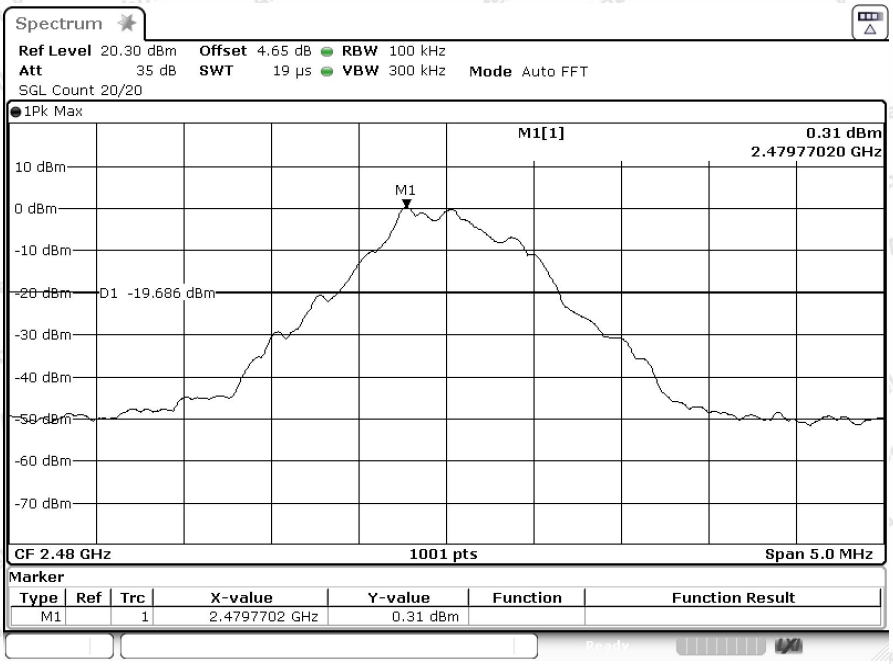
1_Reference_Level_NVNT_ANT1_1Mbps_2402



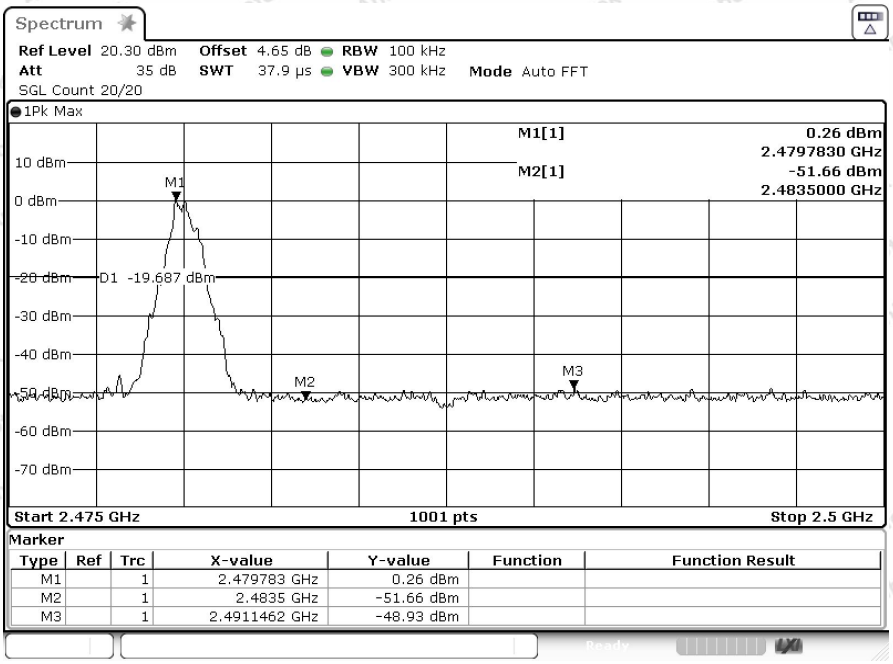
2_Bandedge_NVNT_ANT1_1Mbps_2402



1_Reference_Level_NVNT_ANT1_1Mbps_2480



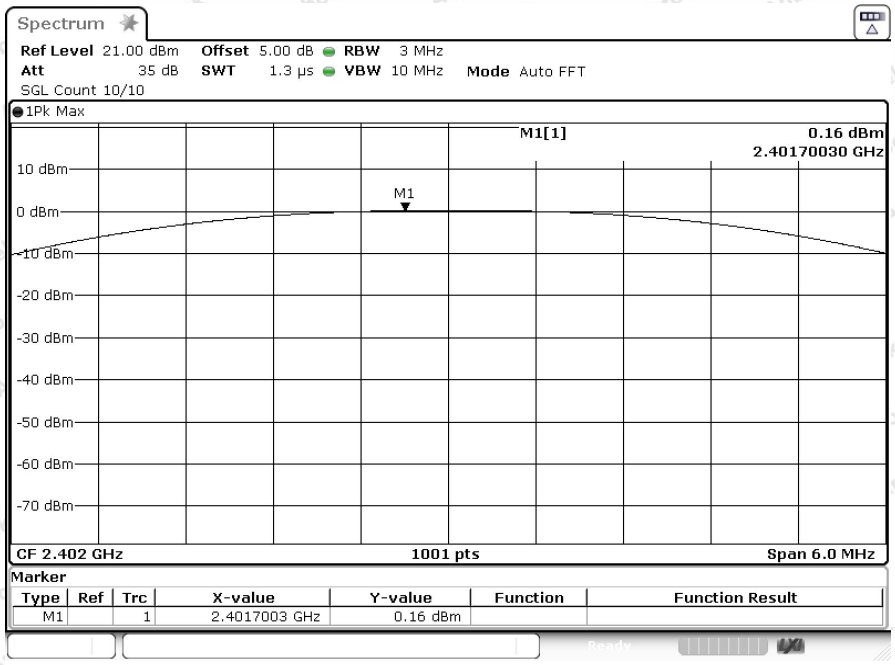
2_Bandedge_NVNT_ANT1_1Mbps_2480



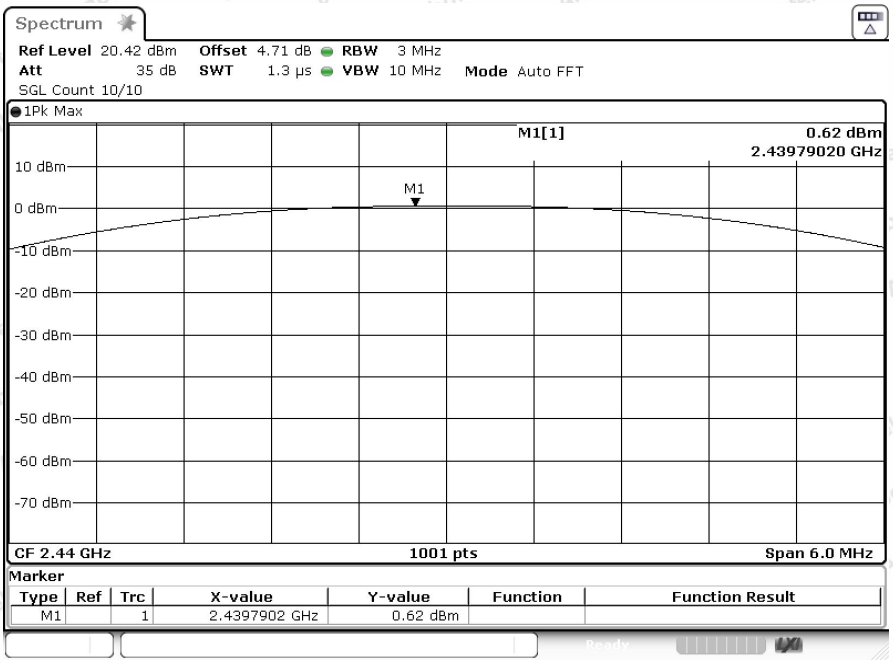
Appendix D: Peak Output Power

Condition	Antenna	Rate	Frequency (MHz)	Max. Conducted Power(dBm)	Max. Conducted Power(mW)	Limit(mW)	Result
NVNT	ANT1	1Mbps	2402	0.16	1.04	1000	Pass
NVNT	ANT1	1Mbps	2440	**0.62**	1.15	1000	Pass
NVNT	ANT1	1Mbps	2480	0.51	1.13	1000	Pass

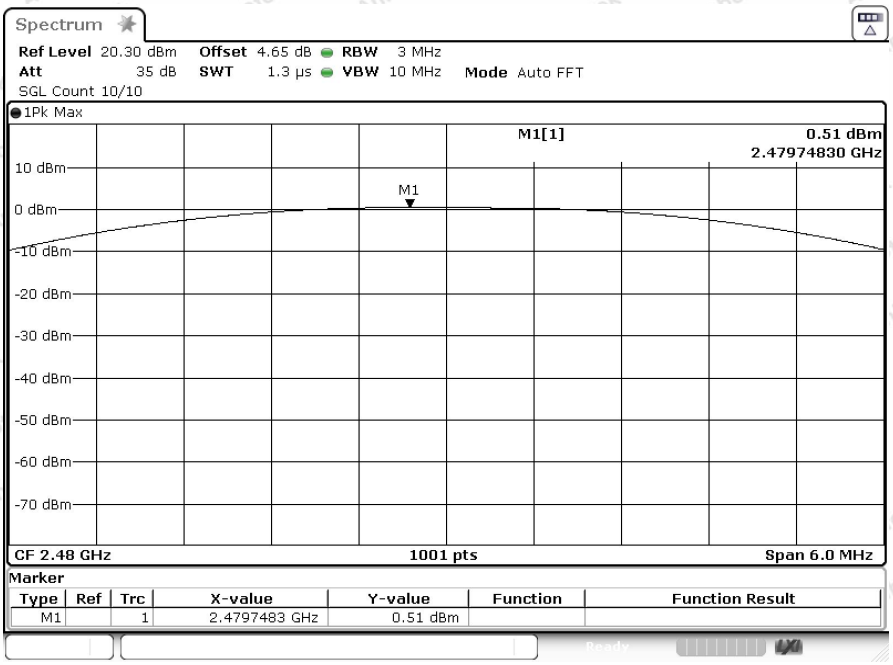
Peak_Output_Power_NVNT_ANT1_1Mbps_2402



Peak_Output_Power_NVNT_ANT1_1Mbps_2440



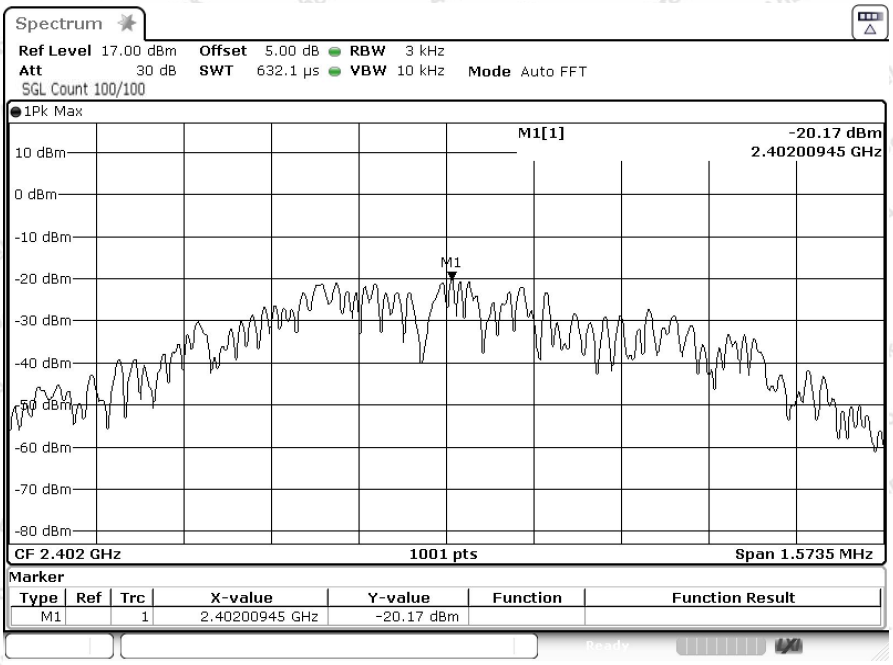
Peak_Output_Power_NVNT_ANT1_1Mbps_2480



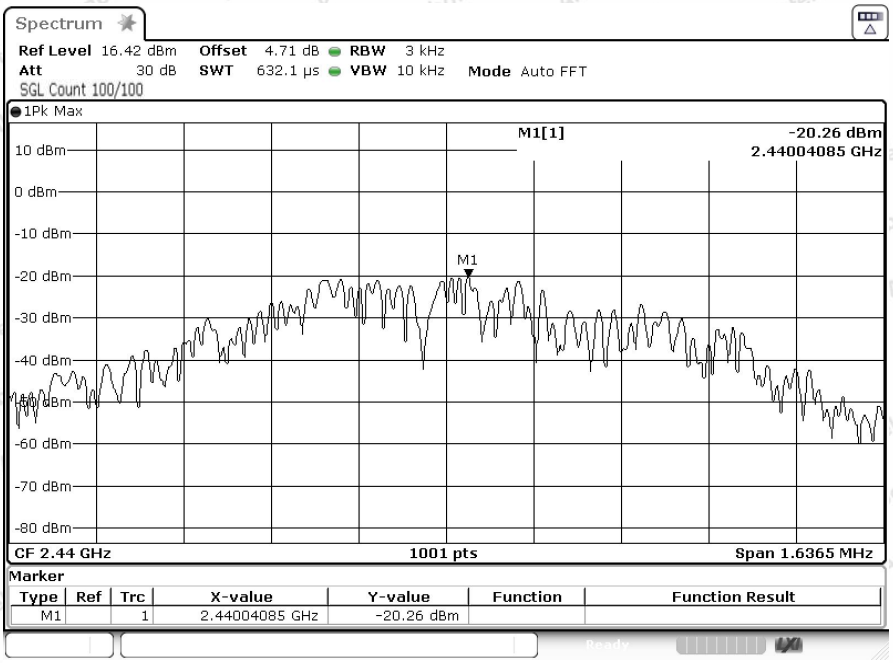
Appendix E: Power Spectral Density

Condition	Antenna	Rate	Frequency (MHz)	Power Spectral Density(dBm)	Limit(dBm/3kHz)	Result
NVNT	ANT1	1Mbps	2402	-20.17	8	Pass
NVNT	ANT1	1Mbps	2440	-20.26	8	Pass
NVNT	ANT1	1Mbps	2480	-20.35	8	Pass

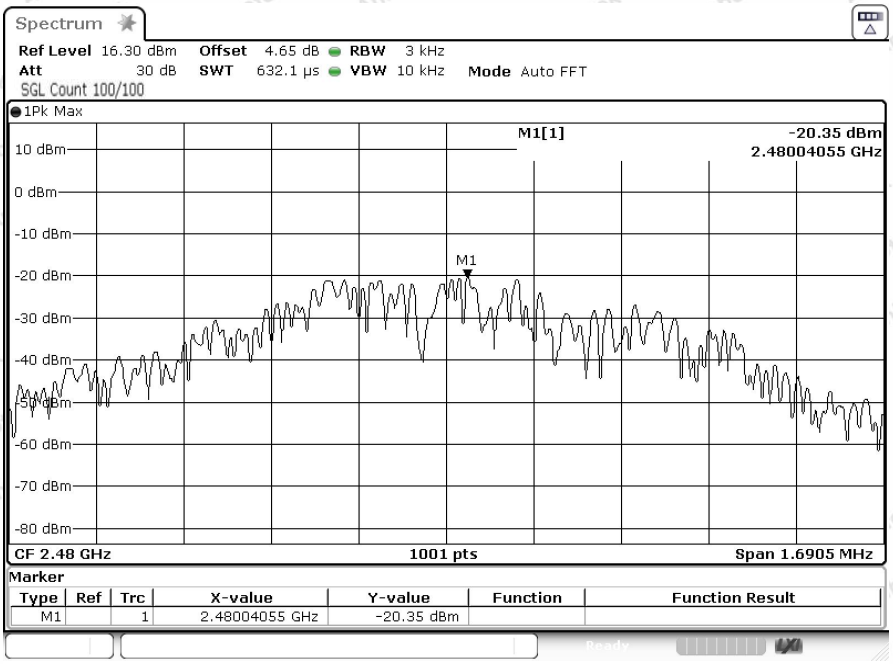
Power_Spectral_Density_NVNT_ANT1_1Mbps_2402



Power_Spectral_Density_NVNT_ANT1_1Mbps_2440



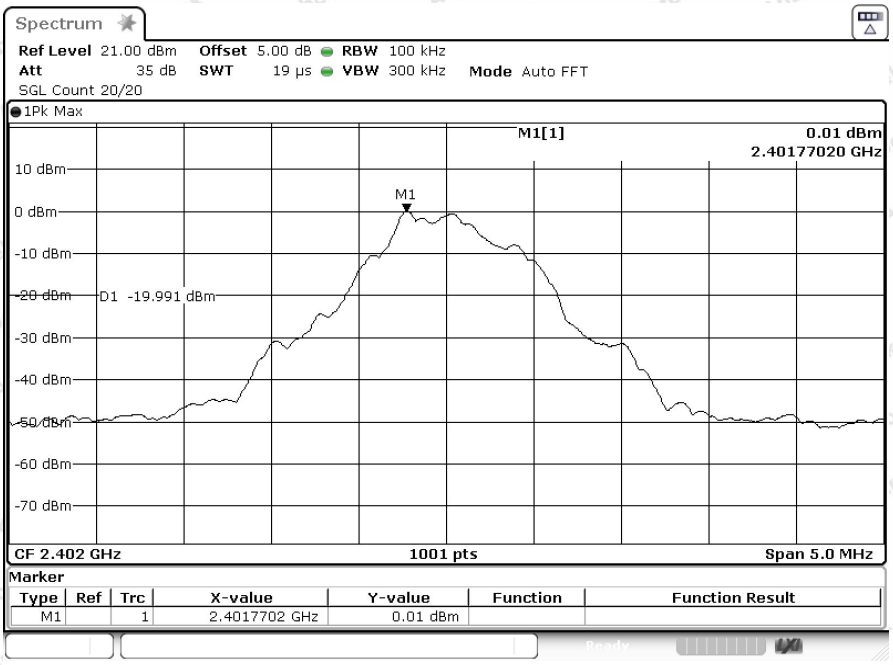
Power_Spectral_Density_NVNT_ANT1_1Mbps_2480



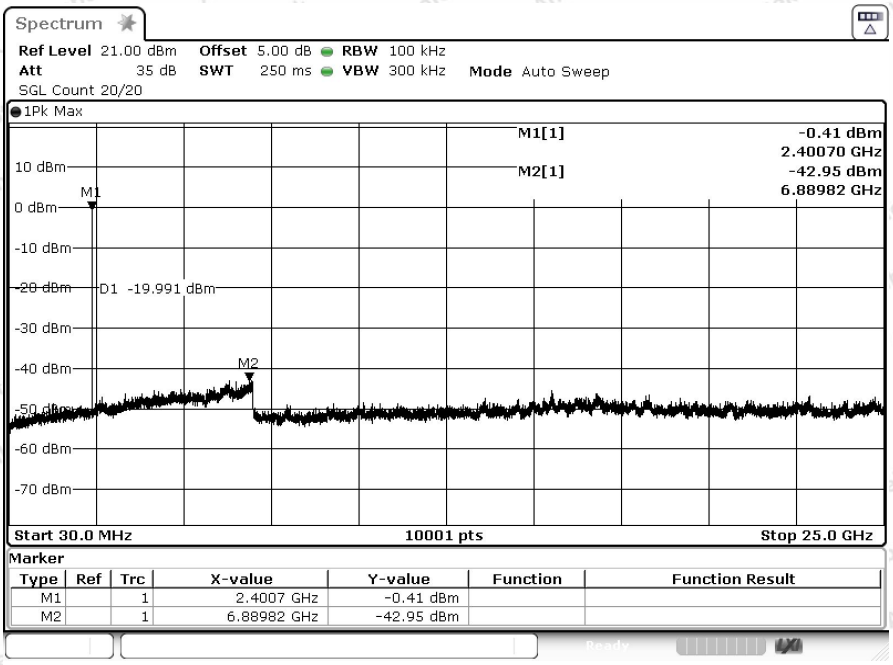
Appendix F: Spurious Emission

Condition	Antenna	Rate	TX_Frequency(MHz)	Spurious MAX.Value(dBm)	Limit	Result
NVNT	ANT1	1Mbps	2402	-42.947	-19.991	Pass
NVNT	ANT1	1Mbps	2440	-43.185	-19.559	Pass
NVNT	ANT1	1Mbps	2480	-42.633	-19.687	Pass

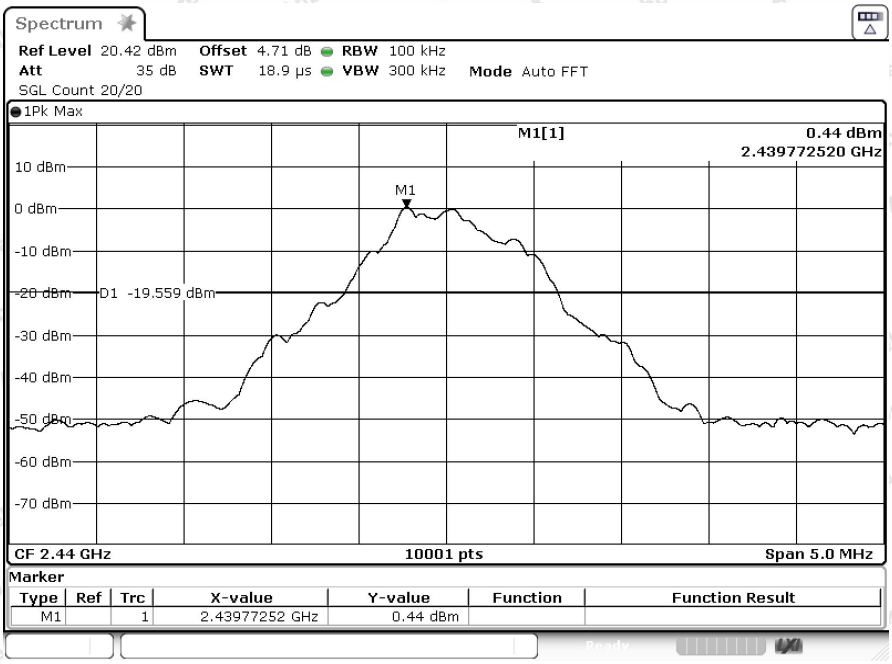
1_Reference_Level_NVNT_ANT1_1Mbps_2402



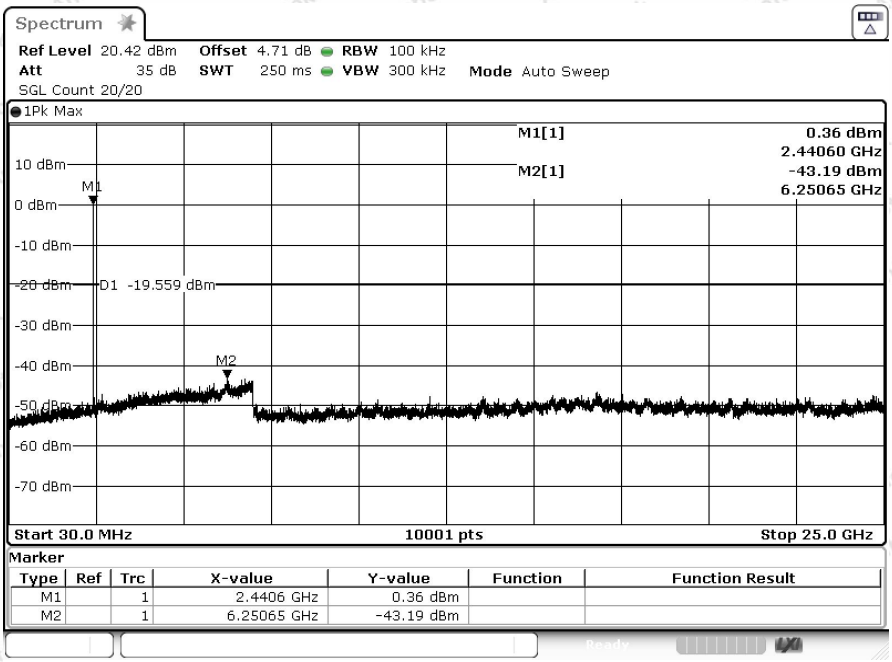
2_Spurious_Emission_NVNT_ANT1_1Mbps_2402



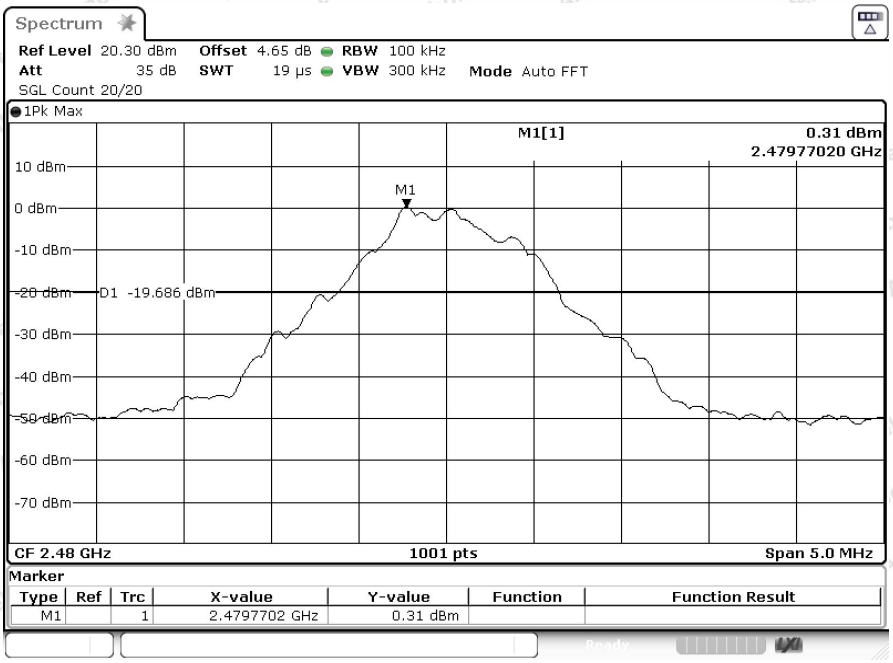
1_Reference_Level_NVNT_ANT1_1Mbps_2440



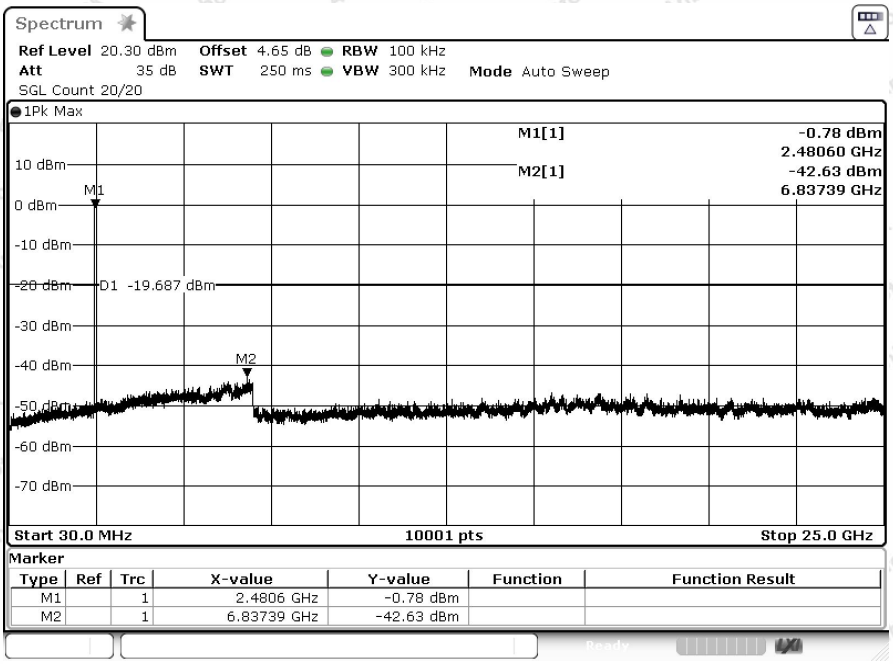
2_Spurious_Emission_NVNT_ANT1_1Mbps_2440



1_Reference_Level_NVNT_ANT1_1Mbps_2480



2_Spurious_Emission_NVNT_ANT1_1Mbps_2480



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