



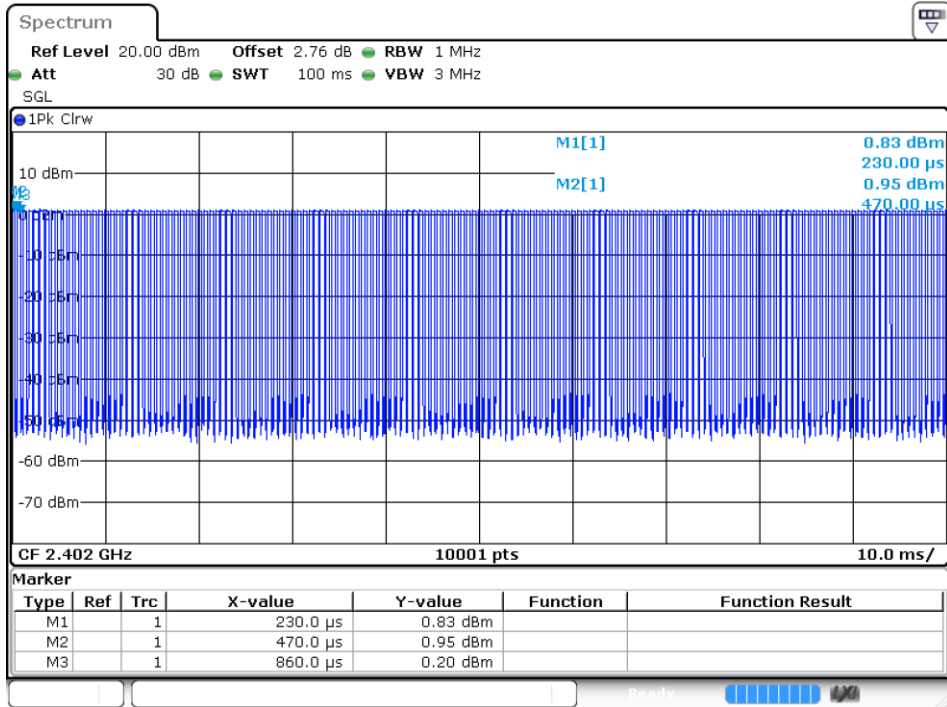
Appendix B

Duty Cycle

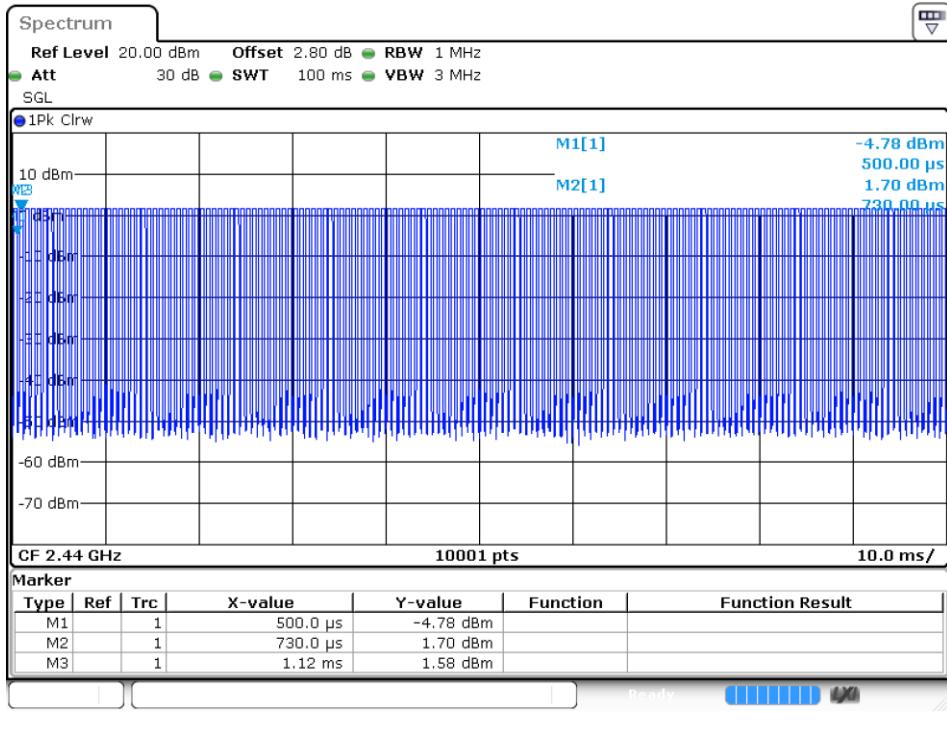
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	BLE 1M	2402	Ant1	64.02	1.94	2.56
NVNT	BLE 1M	2440	Ant1	64.49	1.9	2.56
NVNT	BLE 1M	2480	Ant1	63.99	1.94	2.56

Test Graphs

Duty Cycle NVNT BLE 1M 2402MHz Ant1



Duty Cycle NVNT BLE 1M 2440MHz Ant1





Maximum PEAK Conducted Output Power

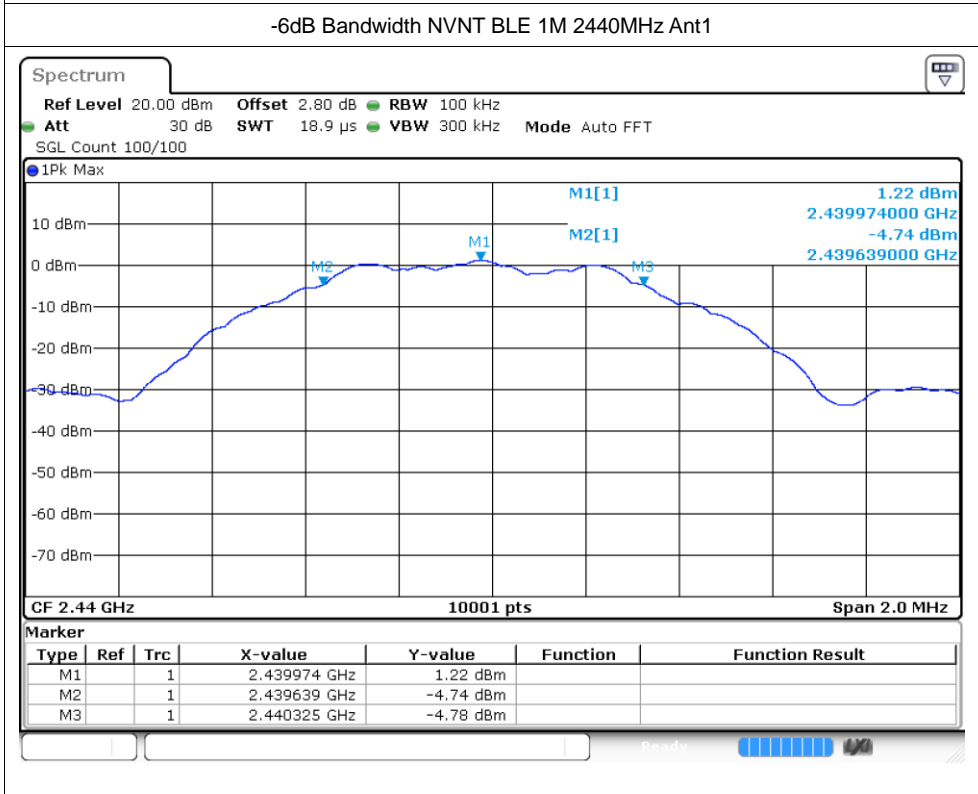
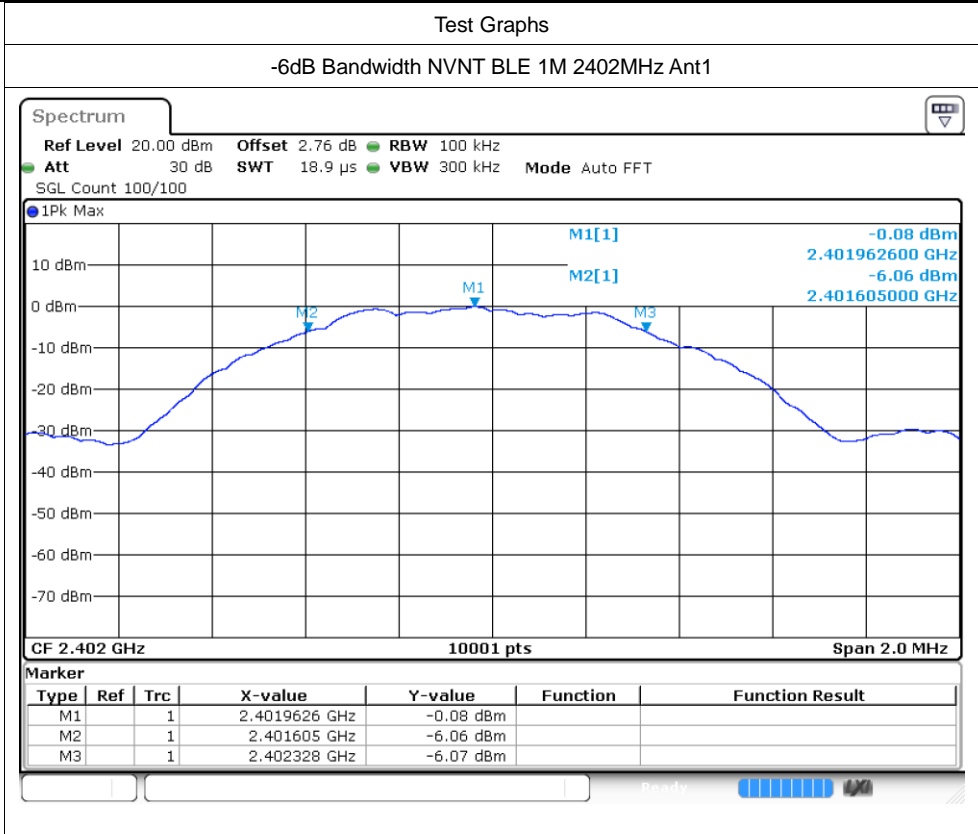
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	BLE 1M	2402	Ant1	0.97	0	0.97	30	Pass
NVNT	BLE 1M	2440	Ant1	1.75	0	1.75	30	Pass
NVNT	BLE 1M	2480	Ant1	1.19	0	1.19	30	Pass

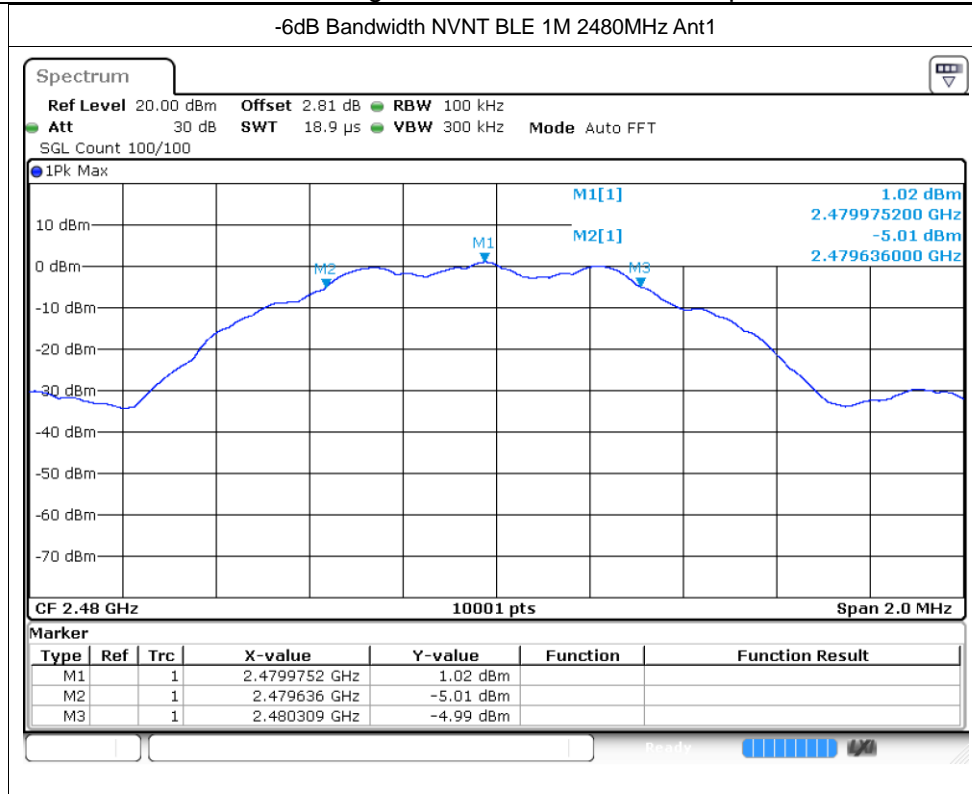


Test Graphs

-6dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	BLE 1M	2402	Ant1	0.723	0.5	Pass
NVNT	BLE 1M	2440	Ant1	0.687	0.5	Pass
NVNT	BLE 1M	2480	Ant1	0.673	0.5	Pass





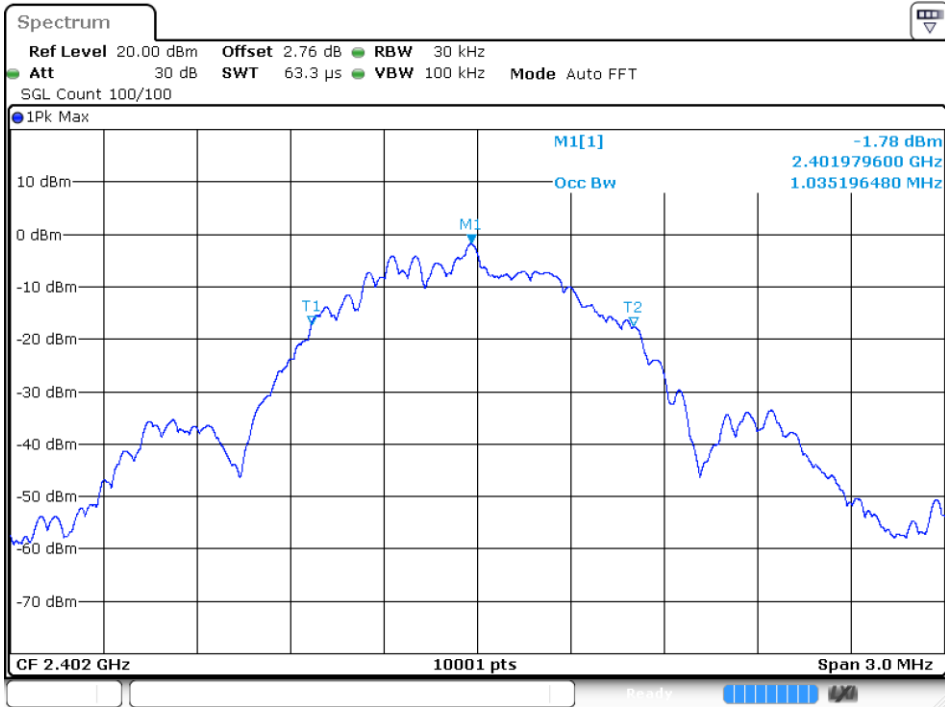


Occupied Channel Bandwidth

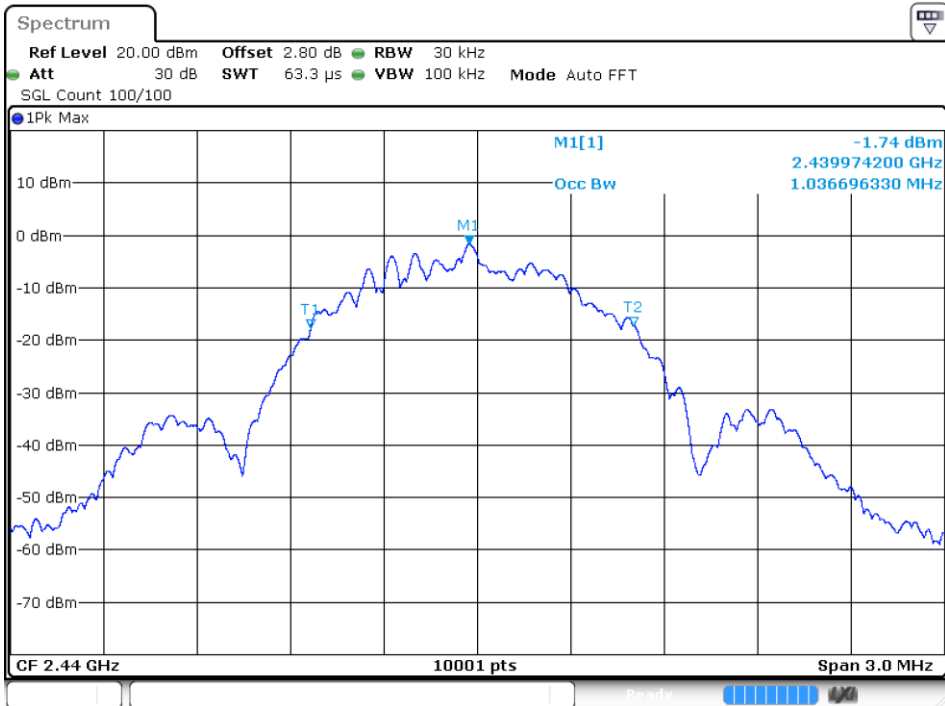
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	BLE 1M	2402	Ant1	1.035
NVNT	BLE 1M	2440	Ant1	1.037
NVNT	BLE 1M	2480	Ant1	1.032

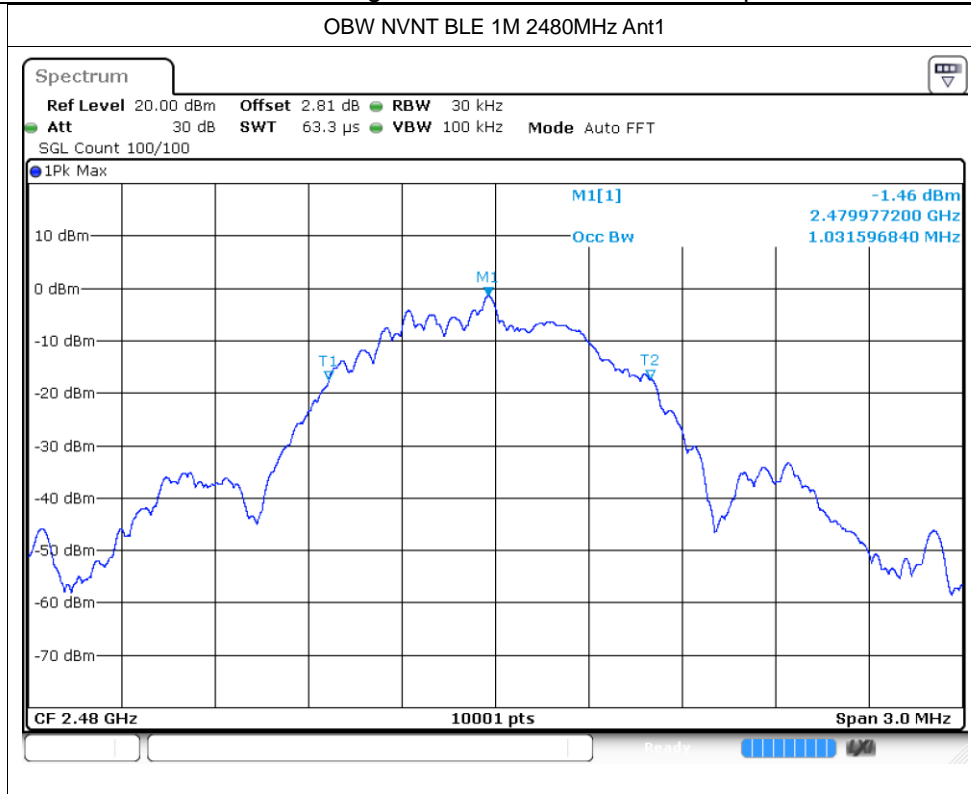
Test Graphs

OBW NVNT BLE 1M 2402MHz Ant1



OBW NVNT BLE 1M 2440MHz Ant1







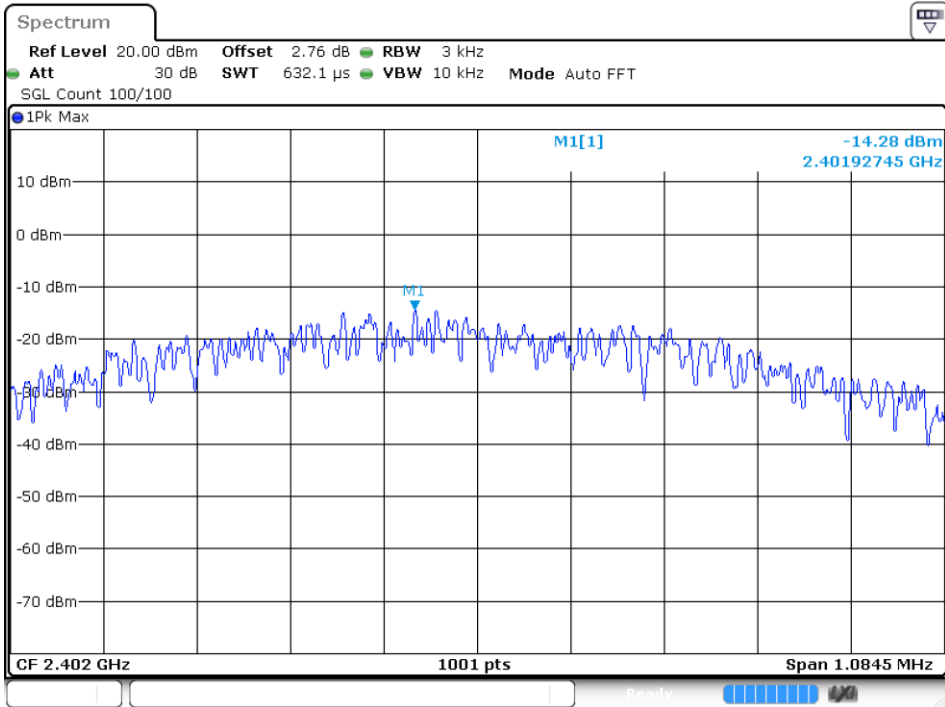
Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
NVNT	BLE 1M	2402	Ant1	-14.28	0	-14.28	8	Pass
NVNT	BLE 1M	2440	Ant1	-13.74	0	-13.74	8	Pass
NVNT	BLE 1M	2480	Ant1	-14.61	0	-14.61	8	Pass

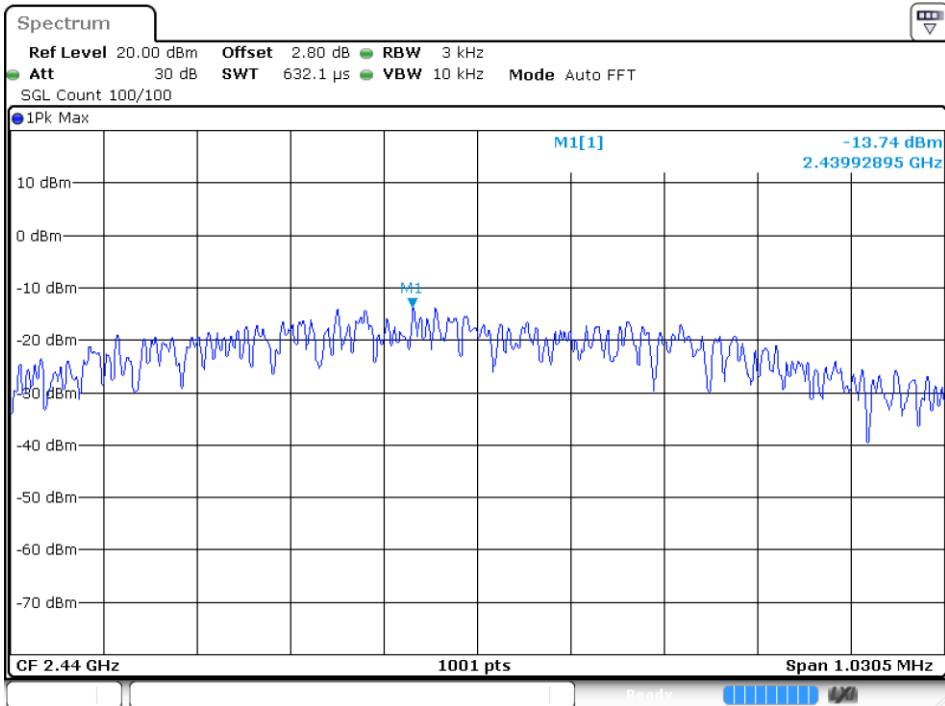


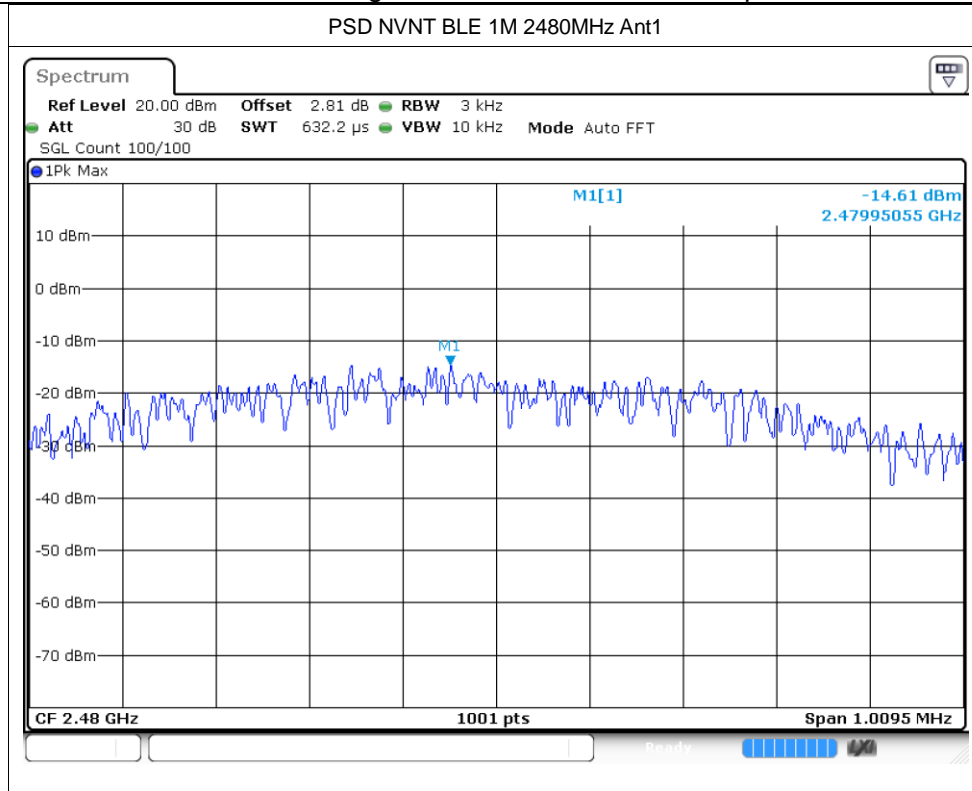
Test Graphs

PSD NVNT BLE 1M 2402MHz Ant1



PSD NVNT BLE 1M 2440MHz Ant1

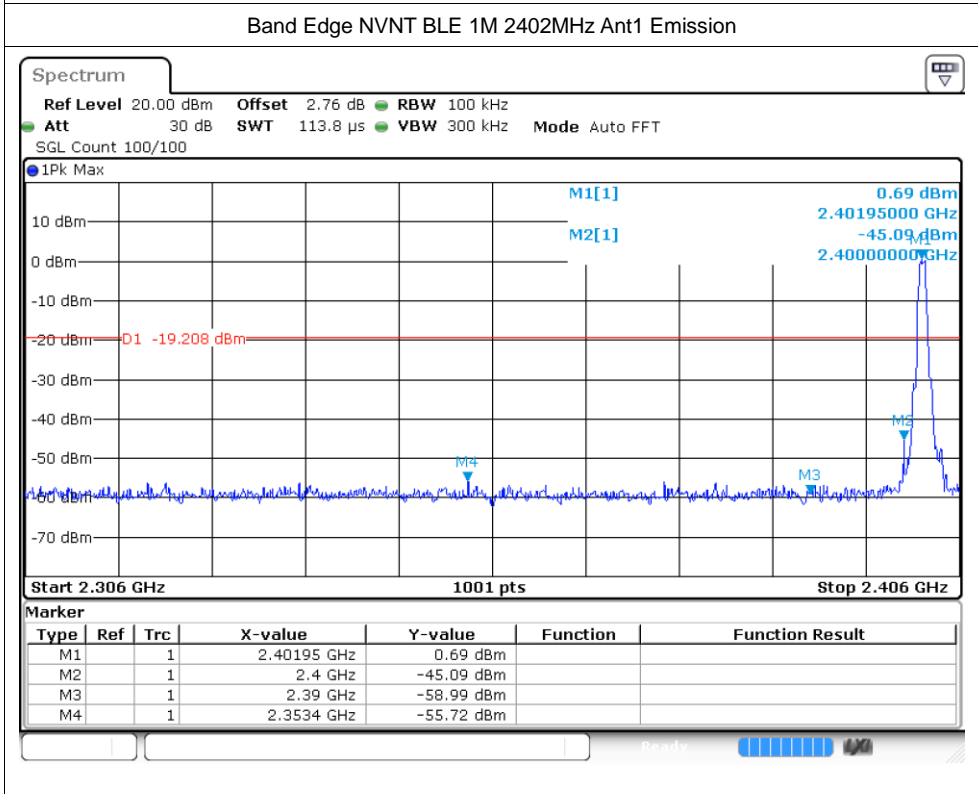
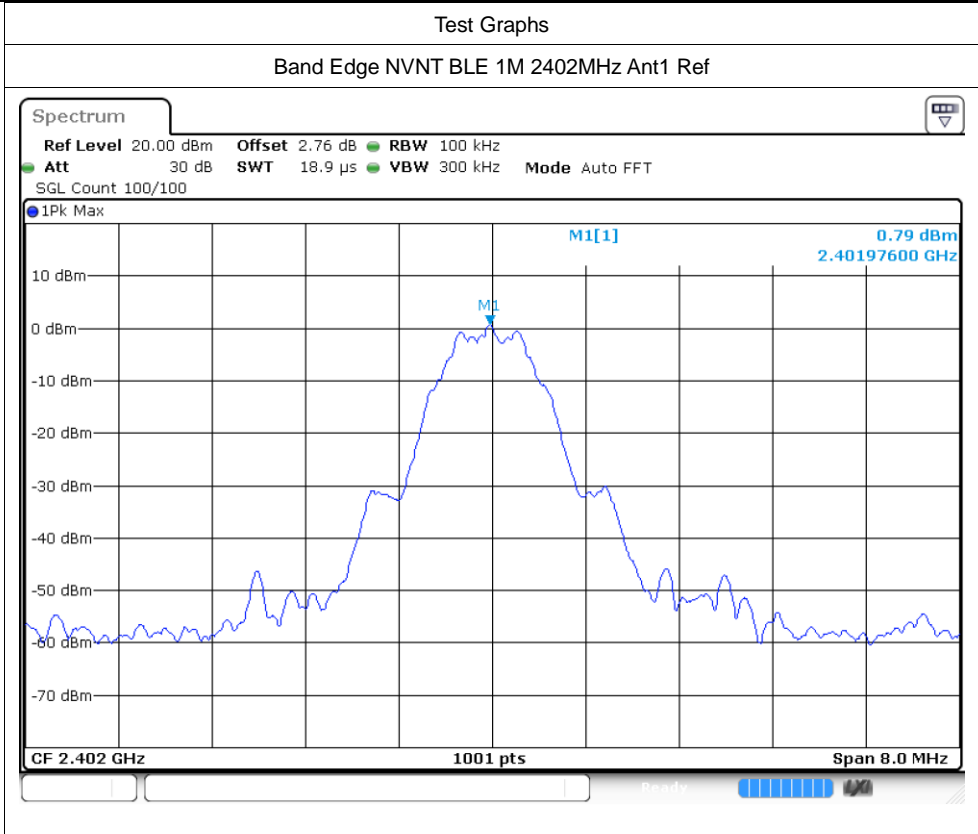


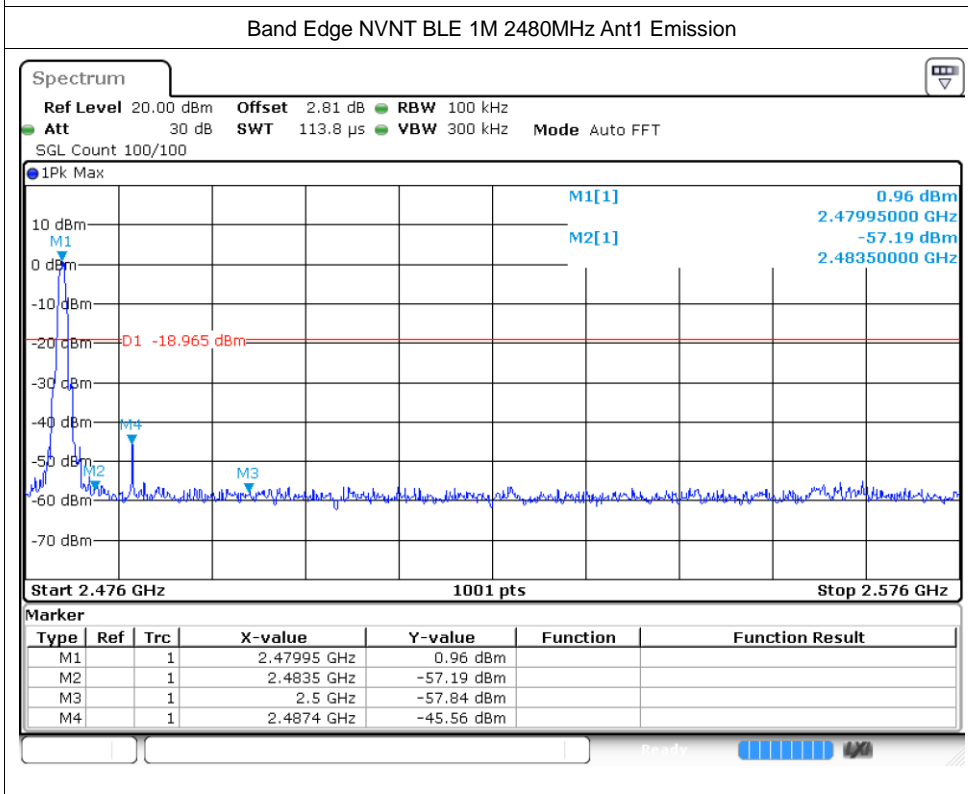
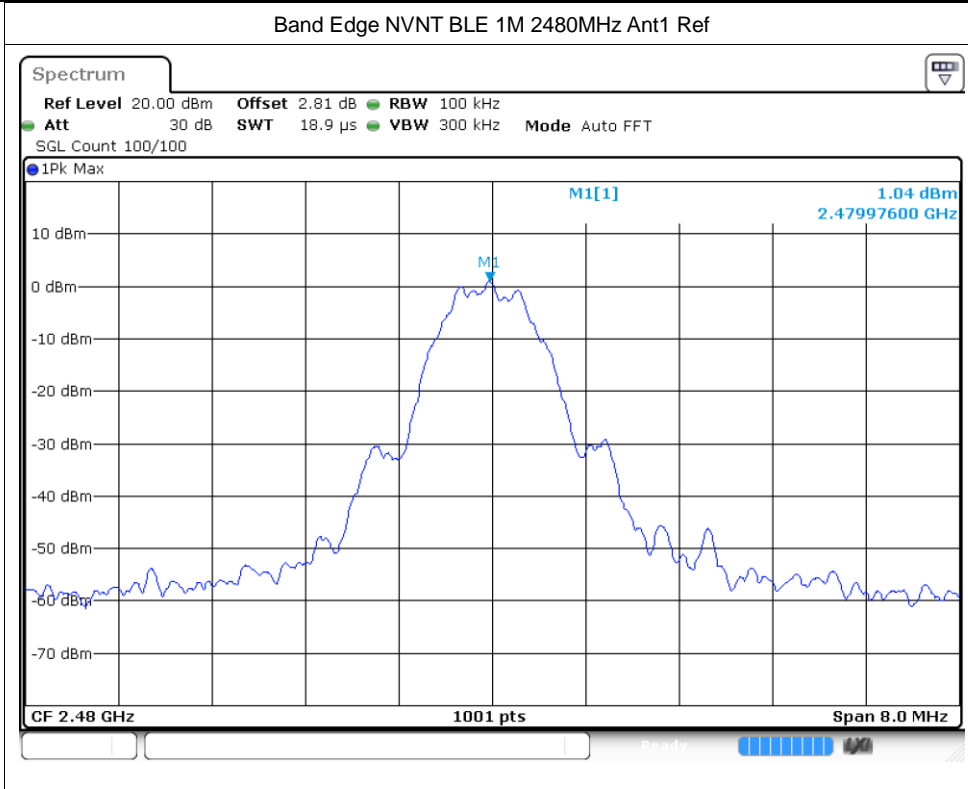




Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE 1M	2402	Ant1	-56.5	-20	Pass
NVNT	BLE 1M	2480	Ant1	-46.6	-20	Pass

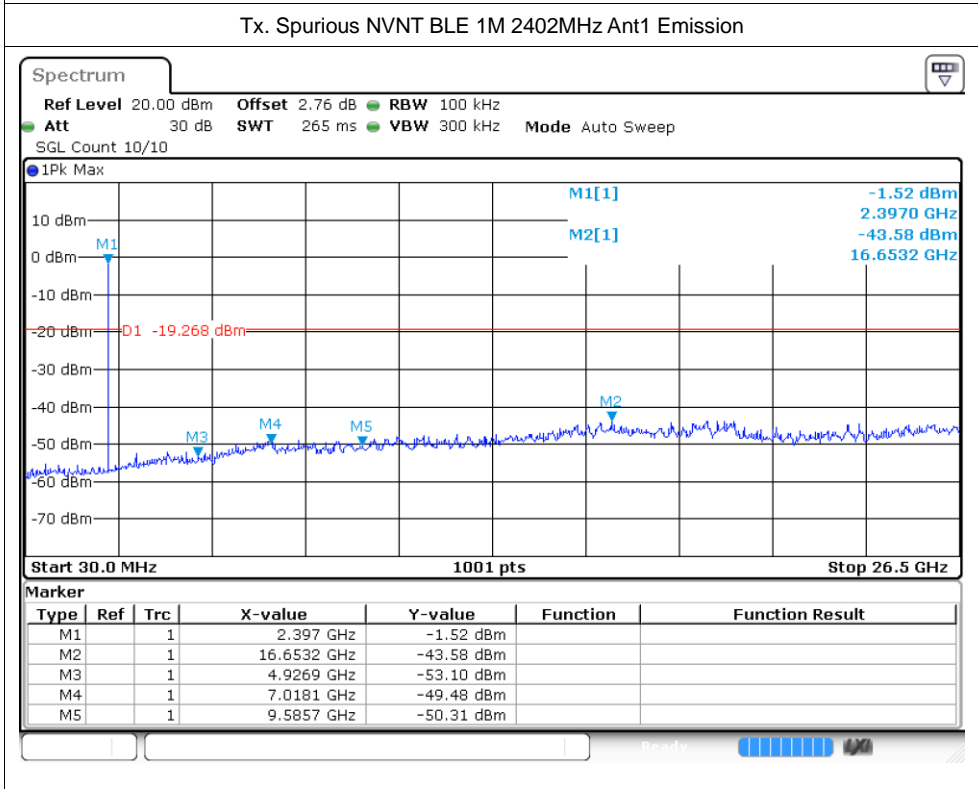
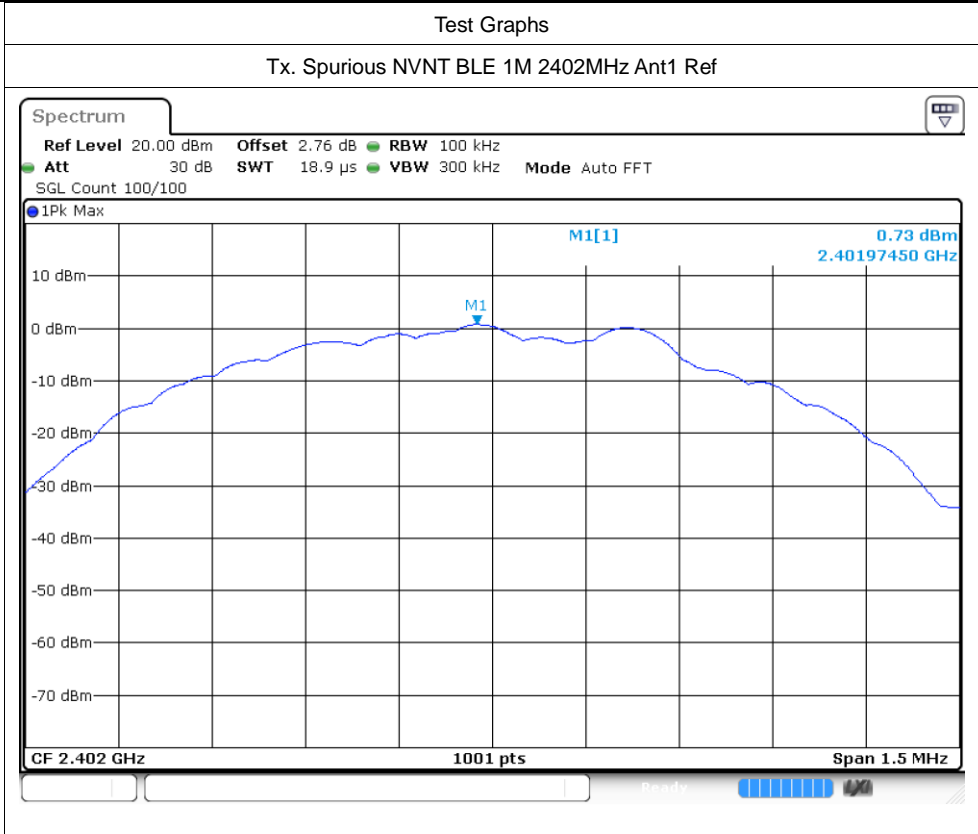




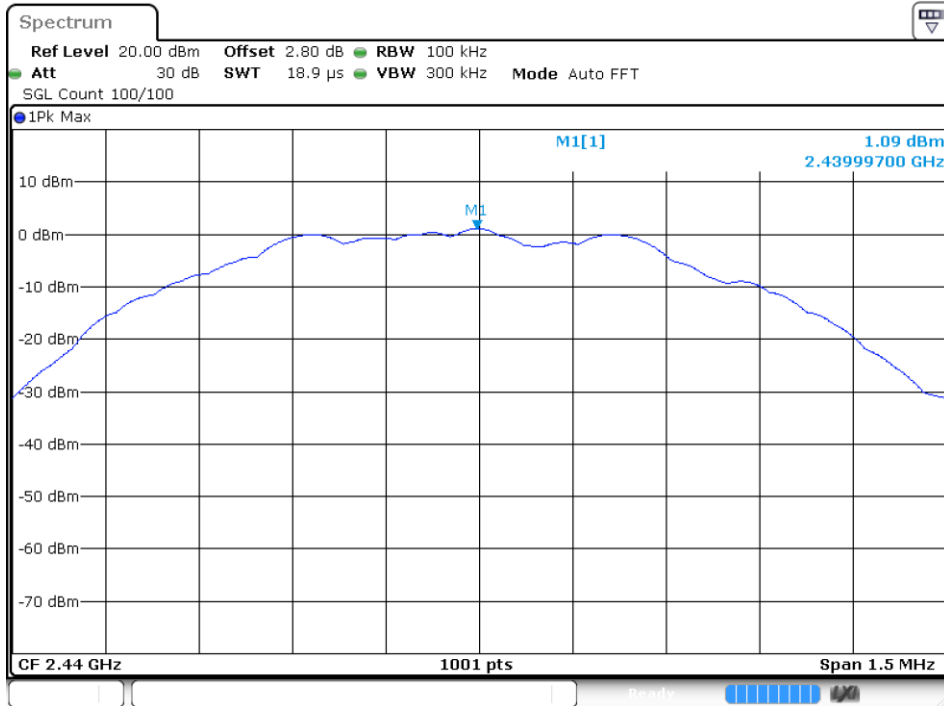


Conducted RF Spurious Emission

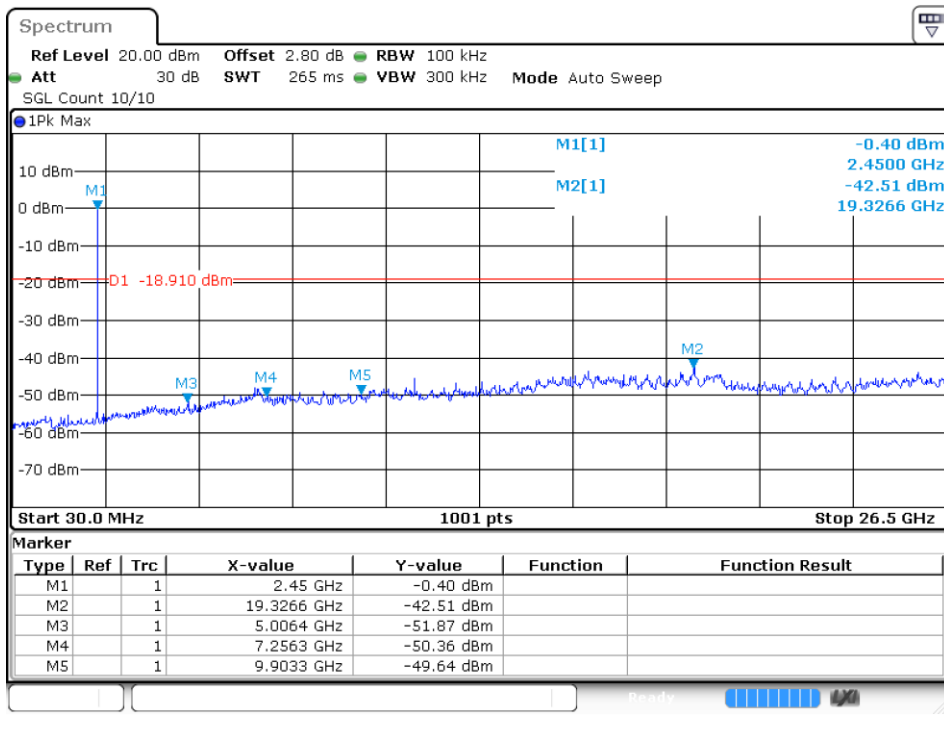
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE 1M	2402	Ant1	-44.31	-20	Pass
NVNT	BLE 1M	2440	Ant1	-43.6	-20	Pass
NVNT	BLE 1M	2480	Ant1	-44.18	-20	Pass



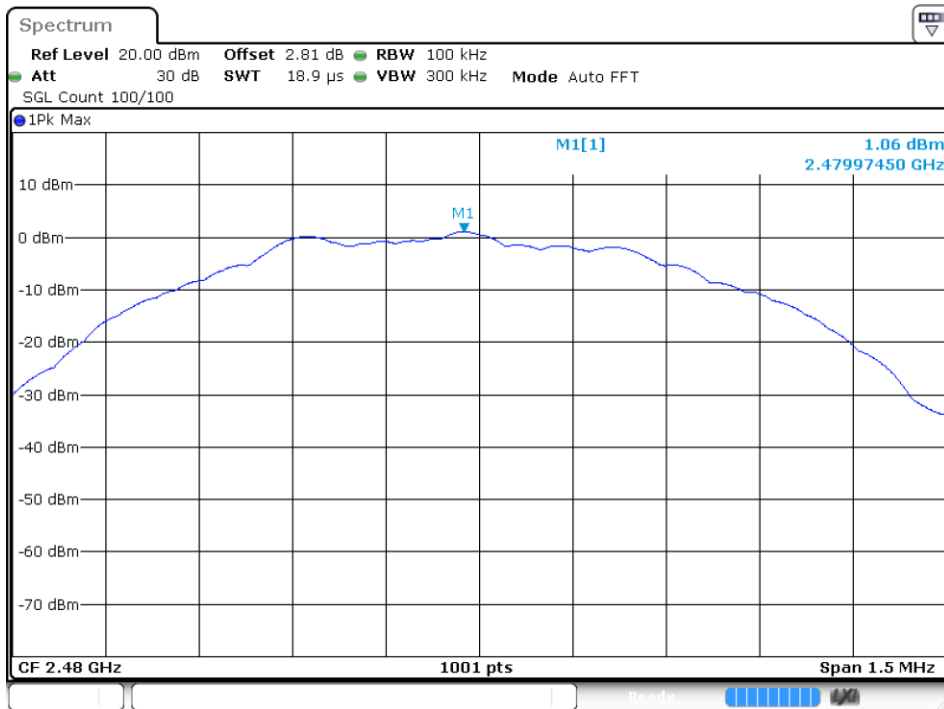
Tx. Spurious NVNT BLE 1M 2440MHz Ant1 Ref



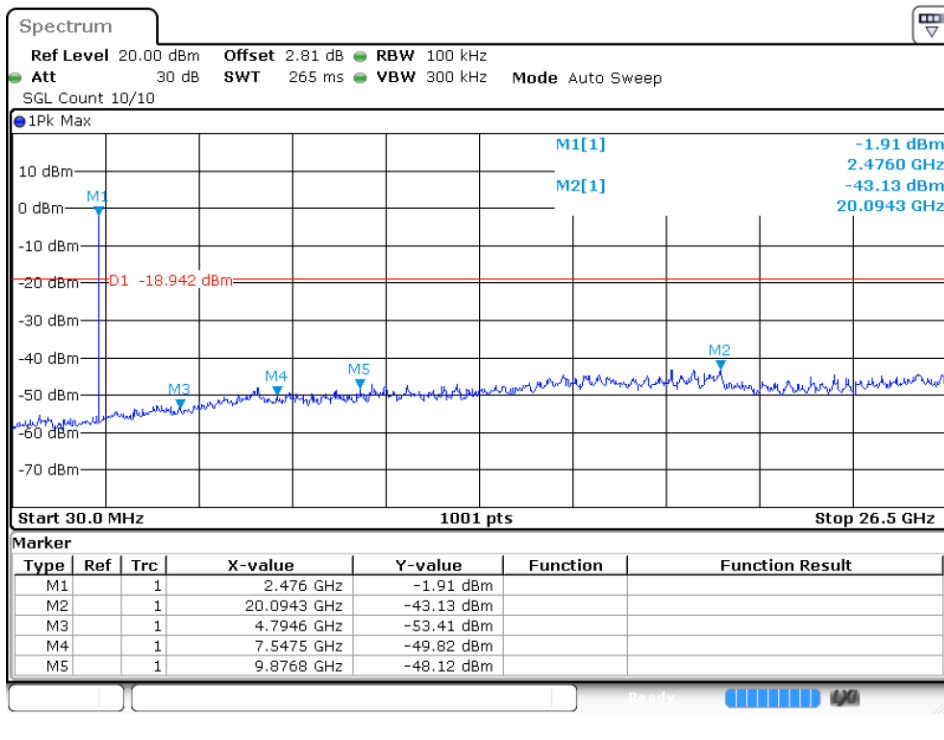
Tx. Spurious NVNT BLE 1M 2440MHz Ant1 Emission



Tx. Spurious NVNT BLE 1M 2480MHz Ant1 Ref



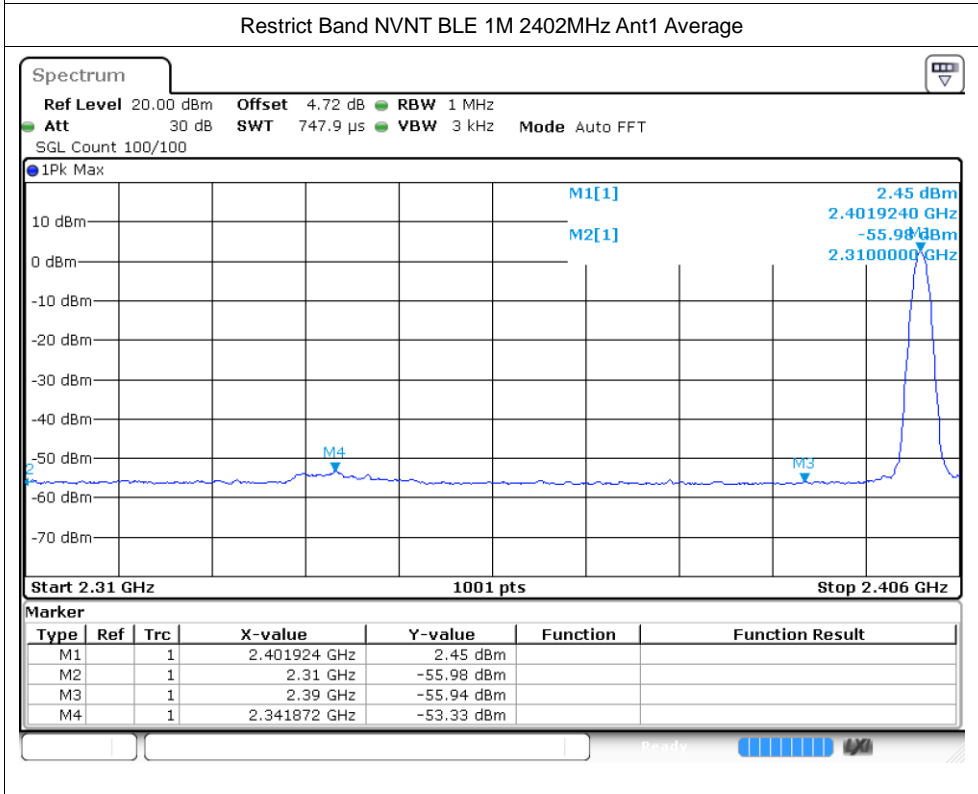
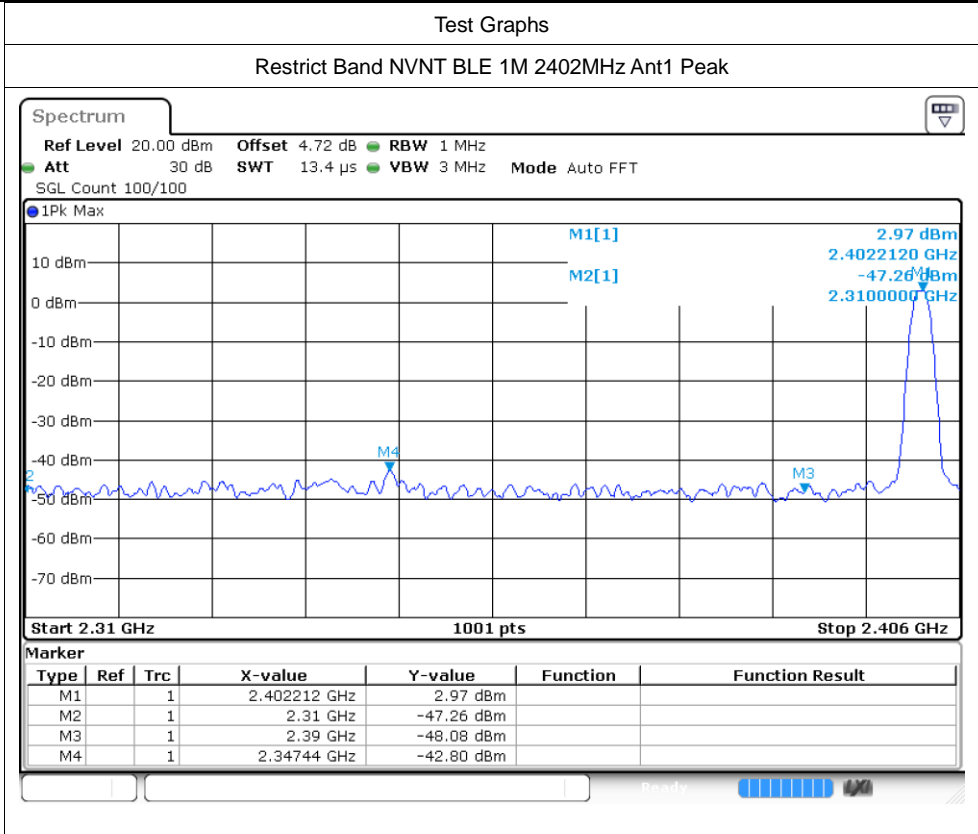
Tx. Spurious NVNT BLE 1M 2480MHz Ant1 Emission



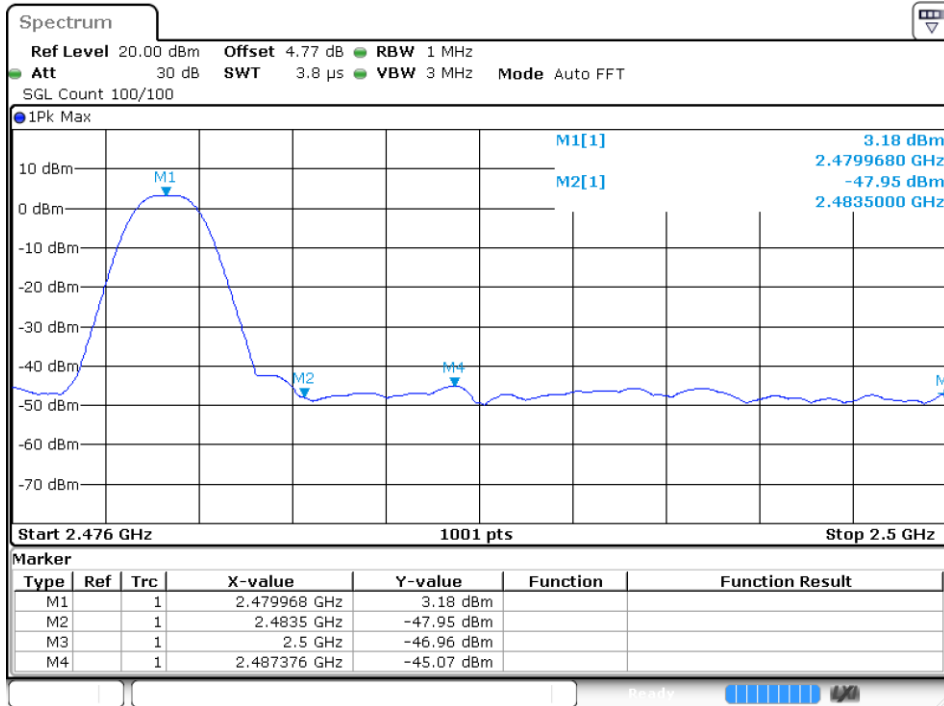


Restrict Band

Condition	Mode	Frequency (MHz)	Antenna	Spur Freq (MHz)	Power (dBm)	Gain (dBi)	E (dBuV/m)	Detector	Limit (dBuV/m)	Verdict
NVNT	BLE 1M	2402	Ant1	2310	-47.26	2	50	Peak	74	Pass
NVNT	BLE 1M	2402	Ant1	2310	-55.98	2	41.28	Average	54	Pass
NVNT	BLE 1M	2402	Ant1	2347.44	-42.79	2	54.47	Peak	74	Pass
NVNT	BLE 1M	2402	Ant1	2341.872	-53.33	2	43.93	Average	54	Pass
NVNT	BLE 1M	2402	Ant1	2390	-48.08	2	49.18	Peak	74	Pass
NVNT	BLE 1M	2402	Ant1	2390	-55.94	2	41.32	Average	54	Pass
NVNT	BLE 1M	2480	Ant1	2483.5	-48.03	2	49.23	Peak	74	Pass
NVNT	BLE 1M	2480	Ant1	2483.5	-54.75	2	42.51	Average	54	Pass
NVNT	BLE 1M	2480	Ant1	2487.376	-45.06	2	52.2	Peak	74	Pass
NVNT	BLE 1M	2480	Ant1	2487.232	-54.2	2	43.06	Average	54	Pass
NVNT	BLE 1M	2480	Ant1	2500	-46.95	2	50.31	Peak	74	Pass
NVNT	BLE 1M	2480	Ant1	2500	-55.5	2	41.76	Average	54	Pass



Restrict Band NVNT BLE 1M 2480MHz Ant1 Peak



Restrict Band NVNT BLE 1M 2480MHz Ant1 Average

