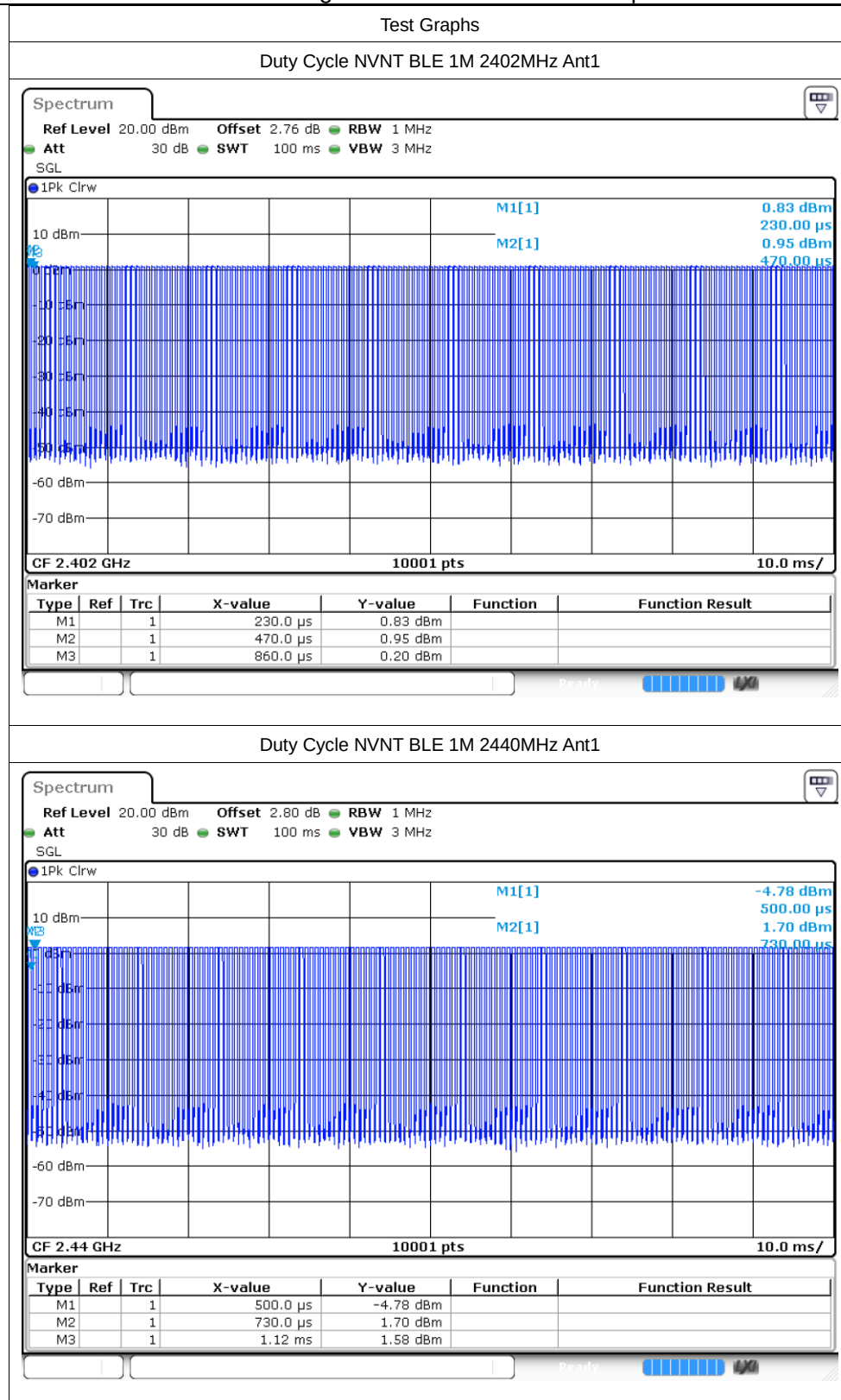


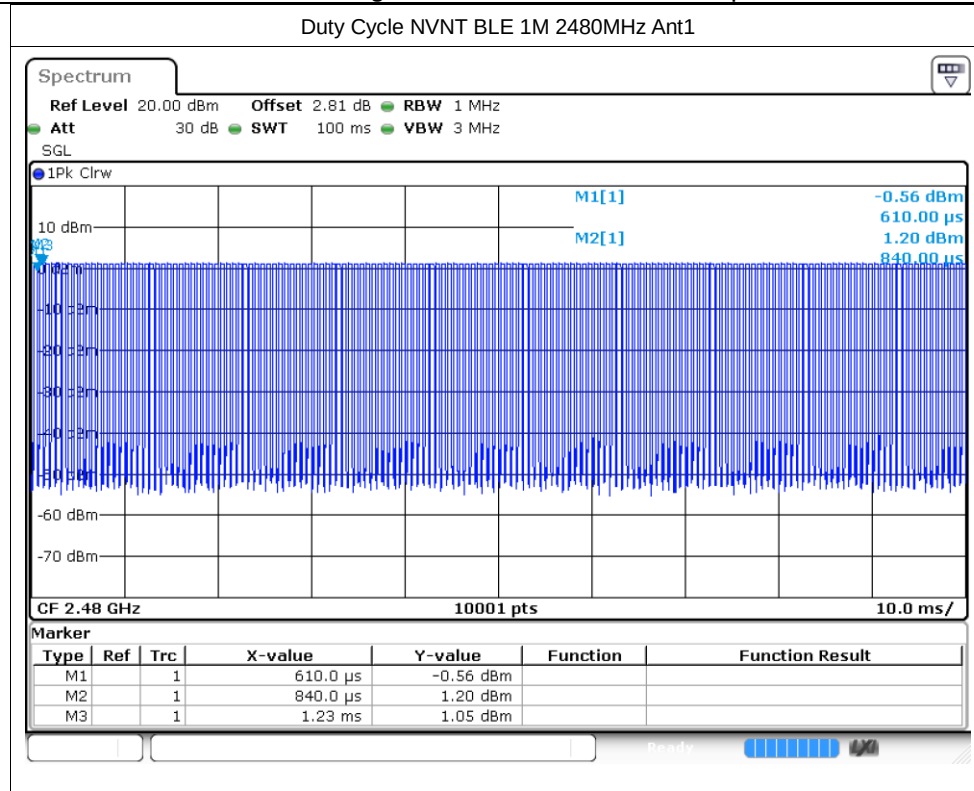


Appendix B

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







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

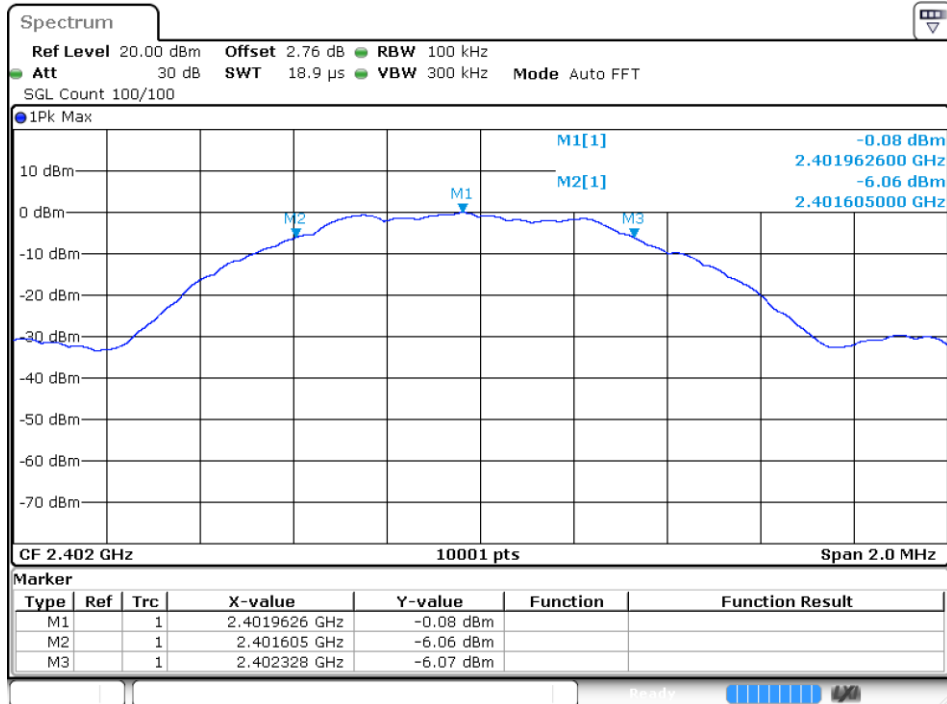


-6dB Bandwidth

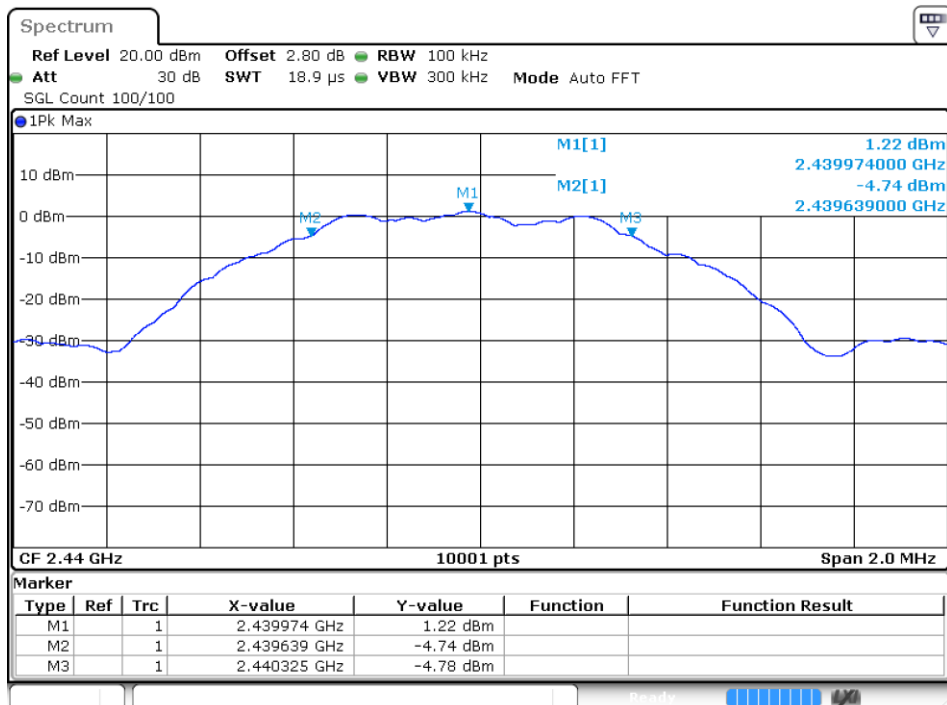
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	BLE 1M	2402	Ant1	0.723	0.5	Pass
NVNT	BLE 1M	2440	Ant1	0.687	0.5	Pass
NVNT	BLE 1M	2480	Ant1	0.673	0.5	Pass

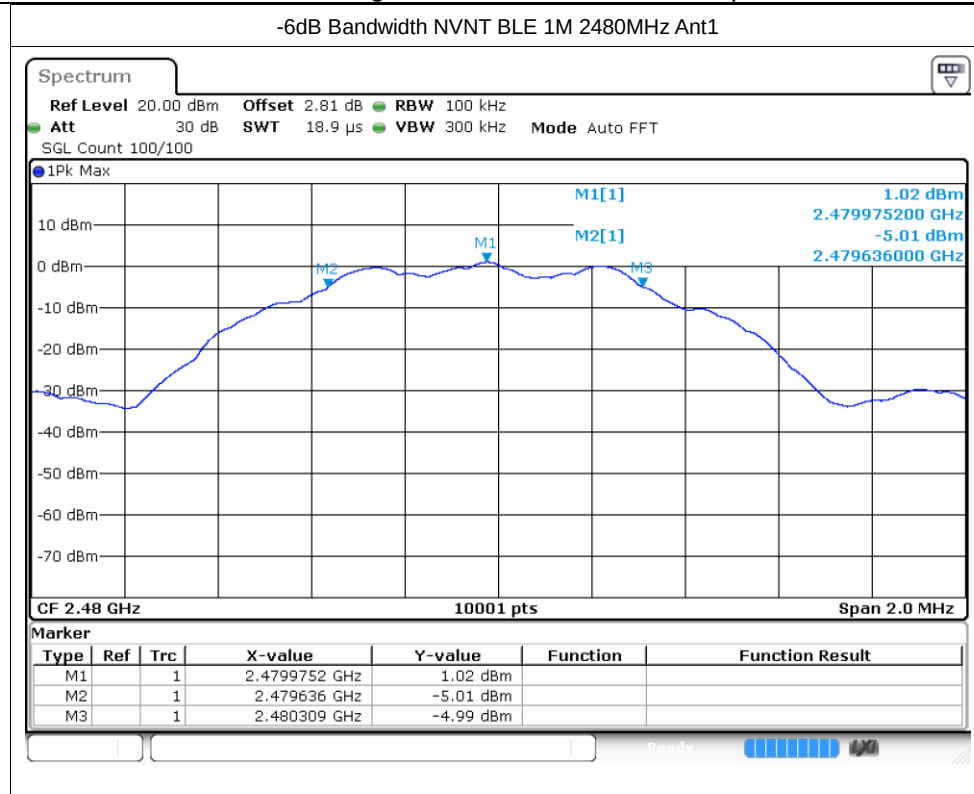
Test Graphs

-6dB Bandwidth NVNT BLE 1M 2402MHz Ant1



-6dB Bandwidth NVNT BLE 1M 2440MHz Ant1





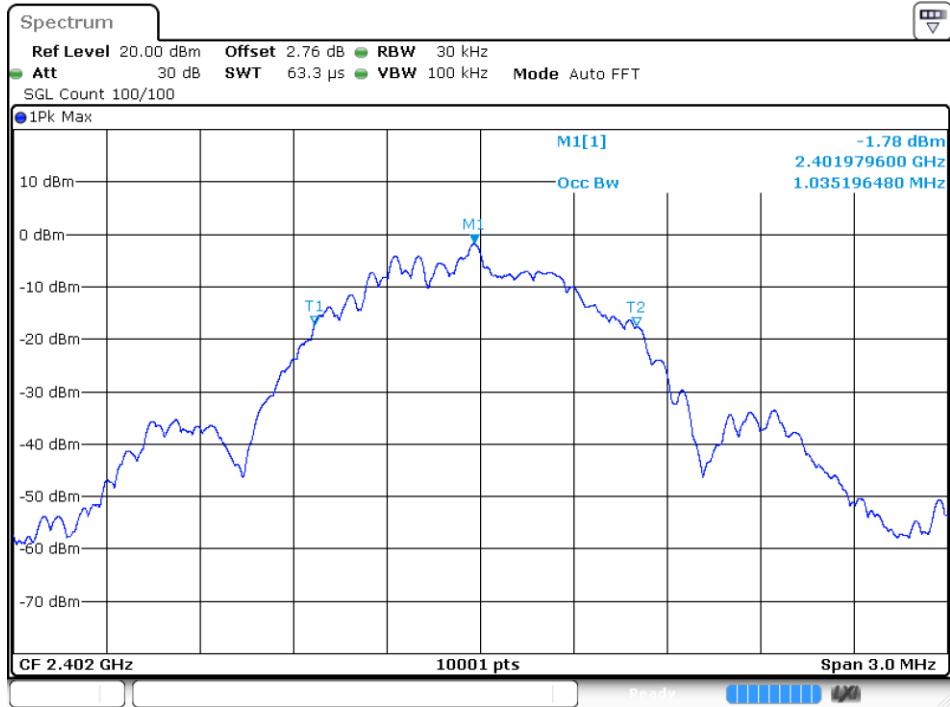


Occupied Channel Bandwidth

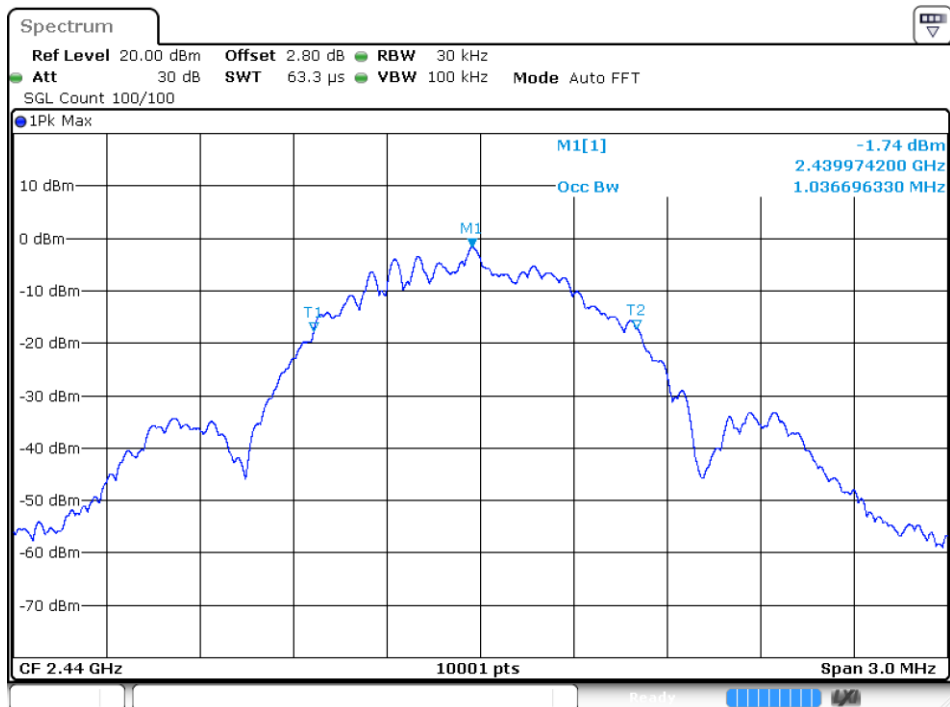
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	BLE 1M	2402	Ant1	1.035
NVNT	BLE 1M	2440	Ant1	1.037
NVNT	BLE 1M	2480	Ant1	1.032

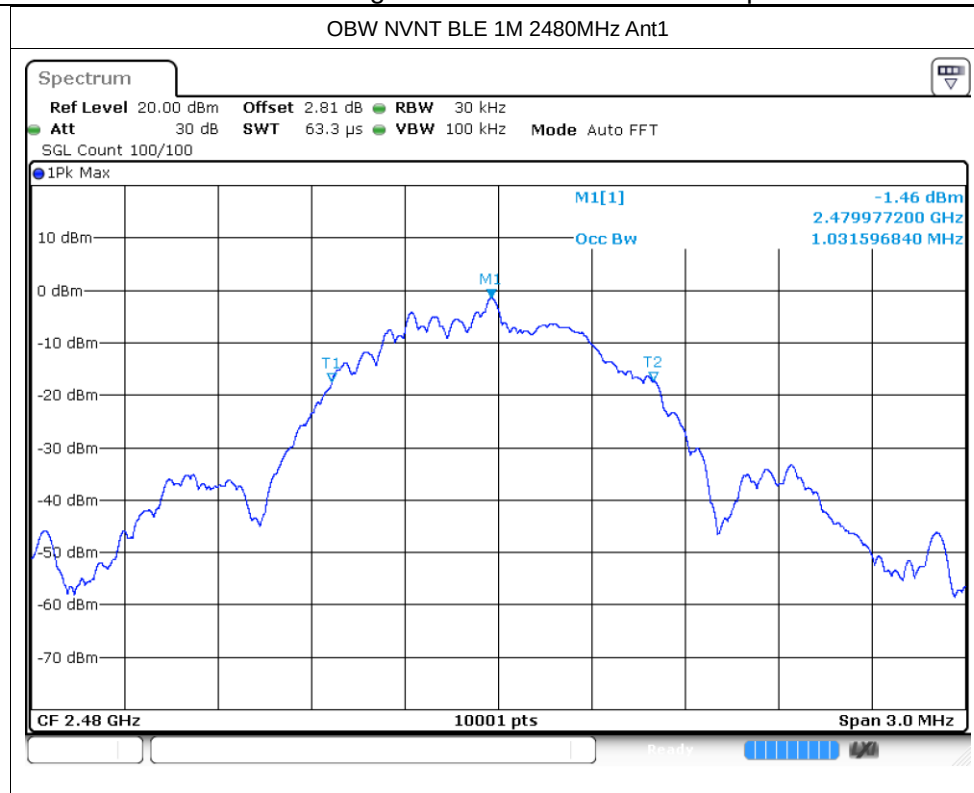
Test Graphs

OBW NVNT BLE 1M 2402MHz Ant1



OBW NVNT BLE 1M 2440MHz Ant1





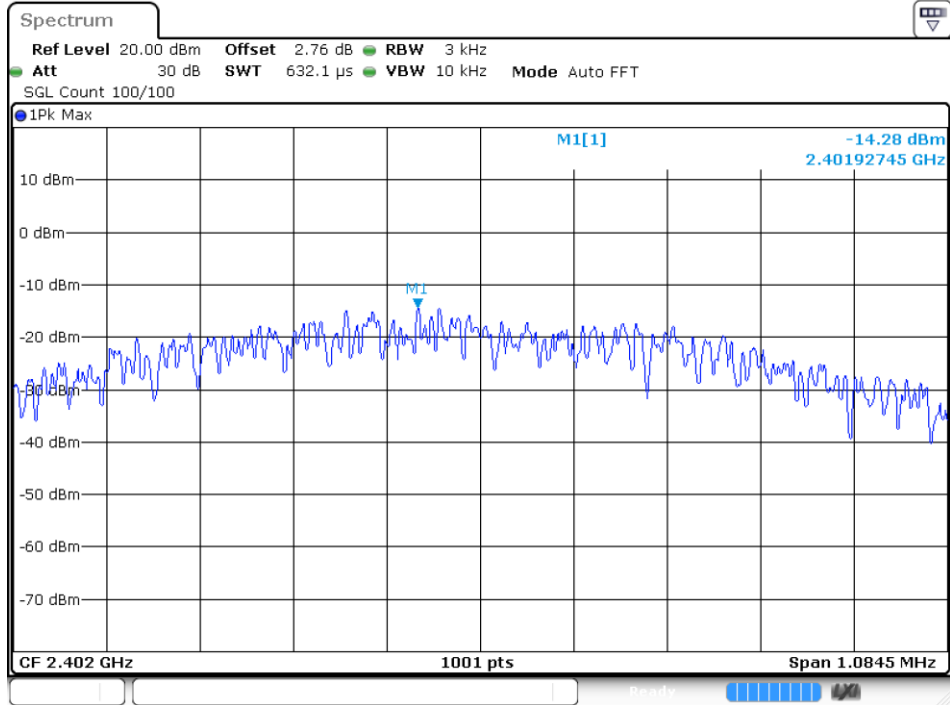


Maximum Power Spectral Density Level

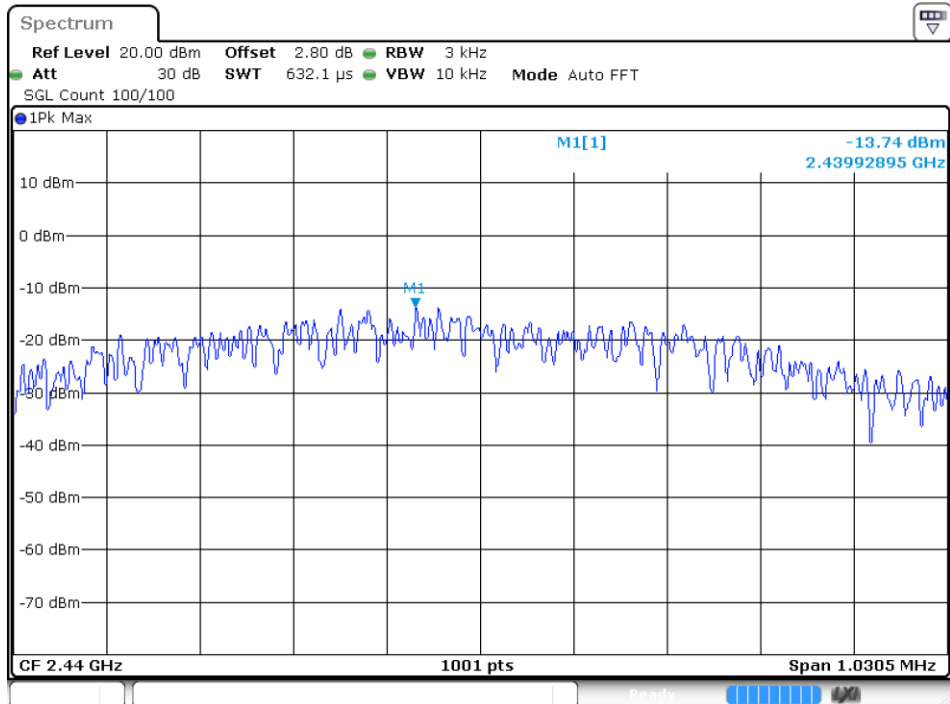
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
NVNT	BLE 1M	2402	Ant1	-14.28	0	-14.28	8	Pass
NVNT	BLE 1M	2440	Ant1	-13.74	0	-13.74	8	Pass
NVNT	BLE 1M	2480	Ant1	-14.61	0	-14.61	8	Pass

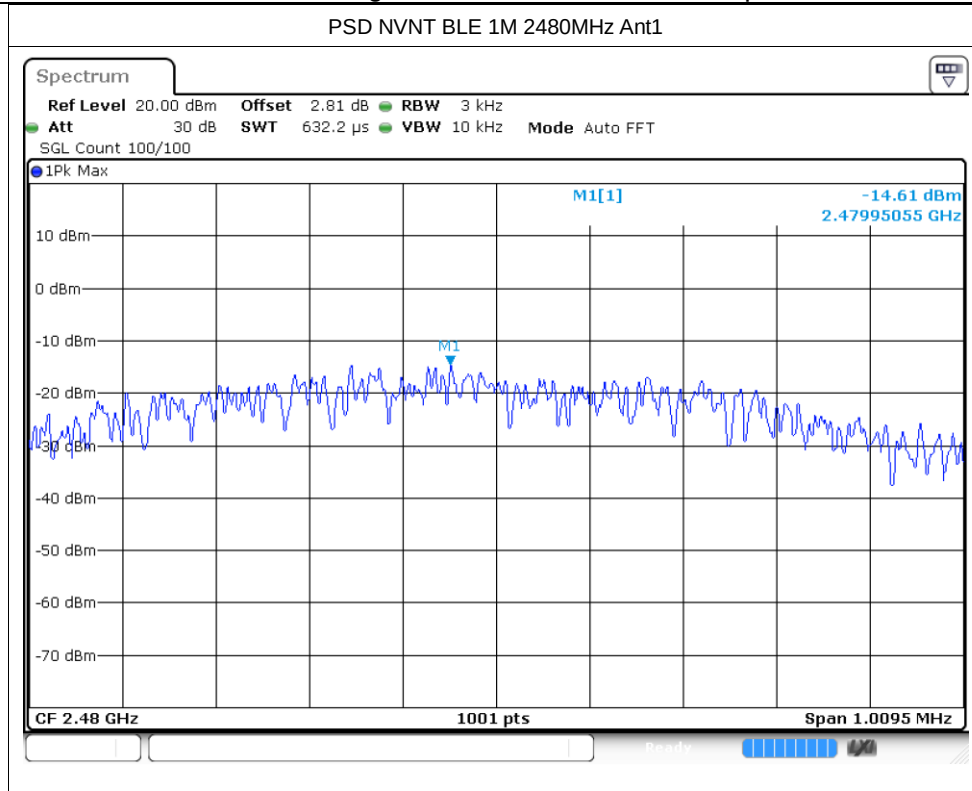
Test Graphs

PSD NVNT BLE 1M 2402MHz Ant1



PSD NVNT BLE 1M 2440MHz Ant1





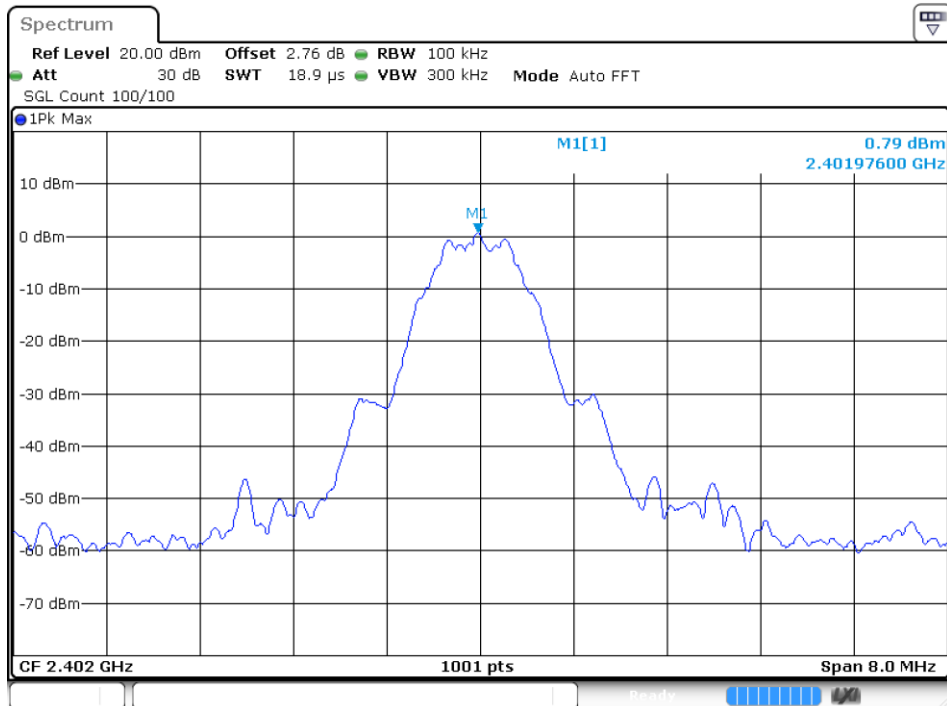


Band Edge

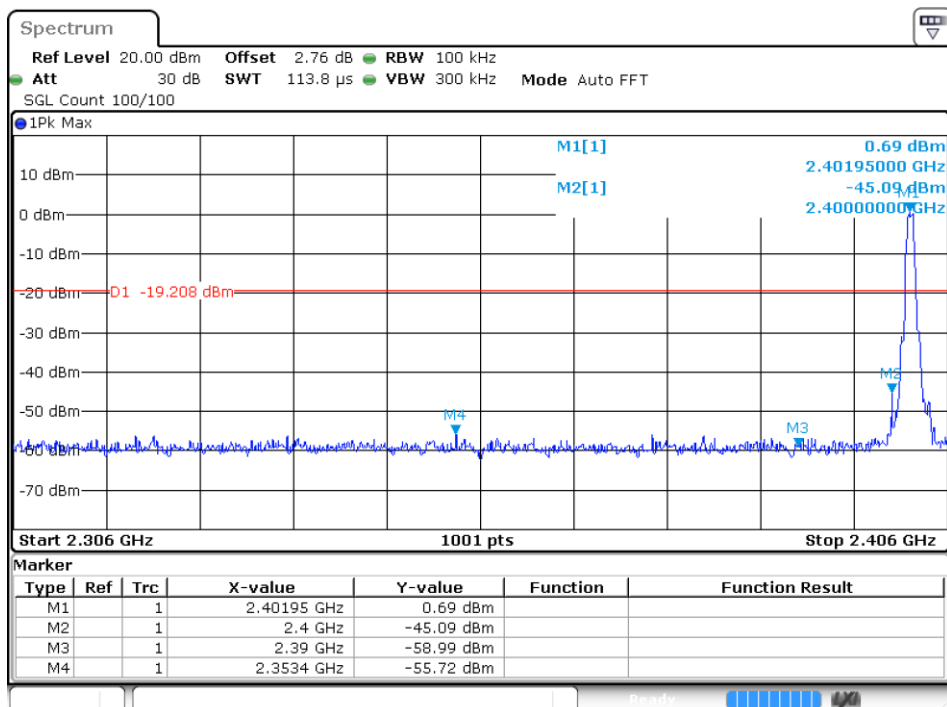
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE 1M	2402	Ant1	-56.5	-20	Pass
NVNT	BLE 1M	2480	Ant1	-46.6	-20	Pass

Test Graphs

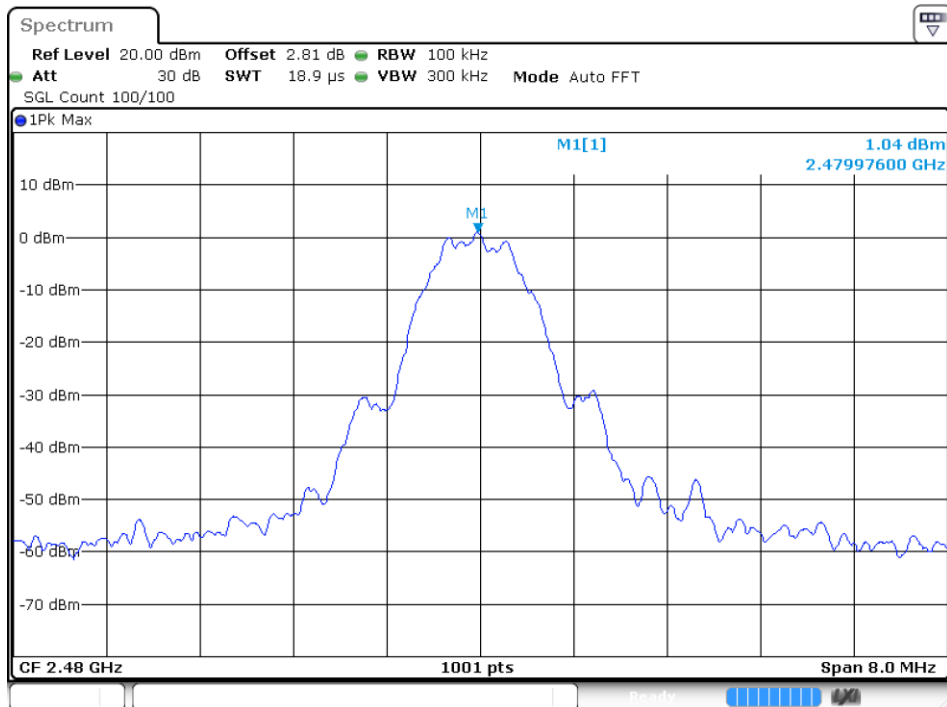
Band Edge NVNT BLE 1M 2402MHz Ant1 Ref



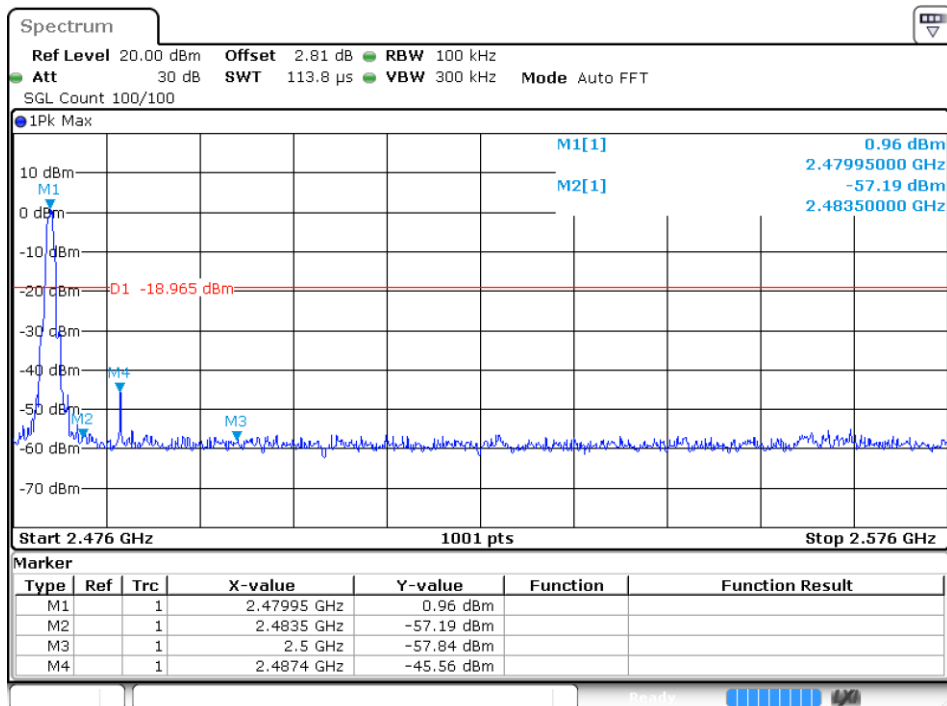
Band Edge NVNT BLE 1M 2402MHz Ant1 Emission



Band Edge NVNT BLE 1M 2480MHz Ant1 Ref



Band Edge NVNT BLE 1M 2480MHz Ant1 Emission



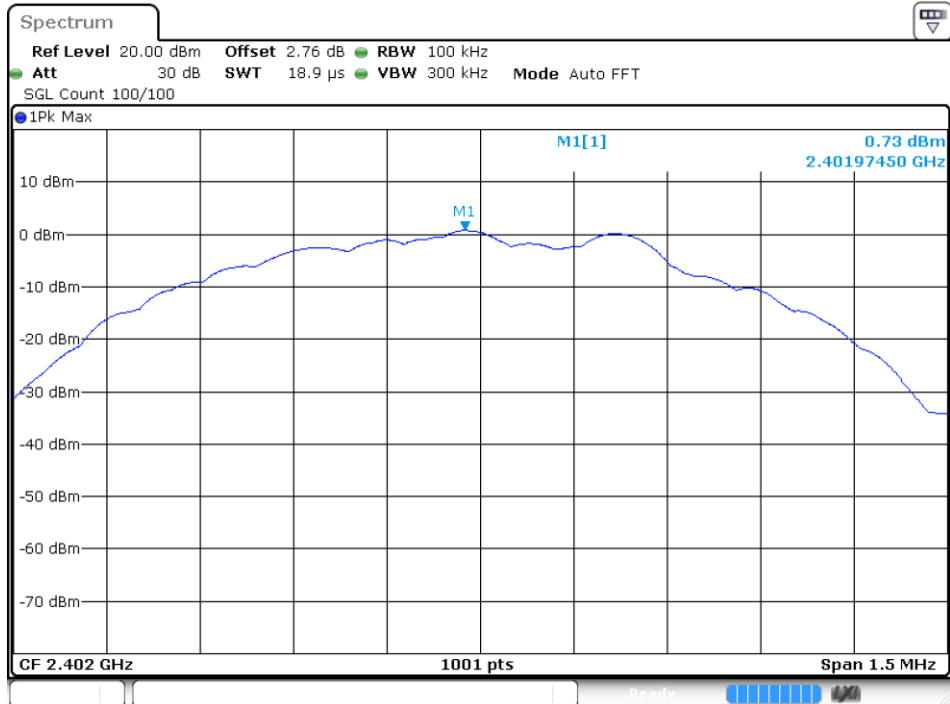


Conducted RF Spurious Emission

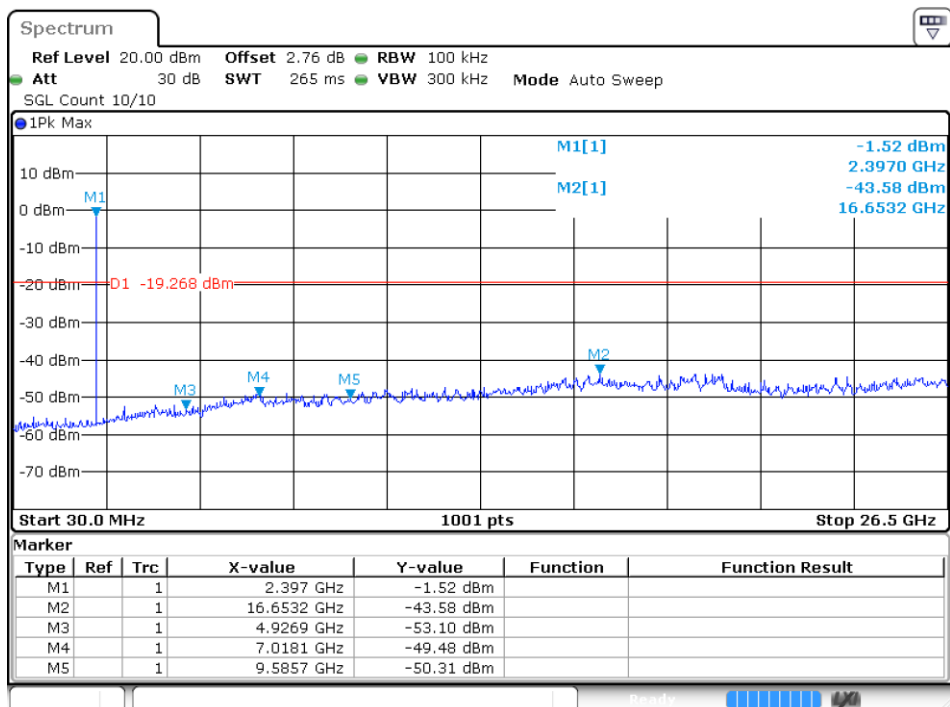
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE 1M	2402	Ant1	-44.31	-20	Pass
NVNT	BLE 1M	2440	Ant1	-43.6	-20	Pass
NVNT	BLE 1M	2480	Ant1	-44.18	-20	Pass

Test Graphs

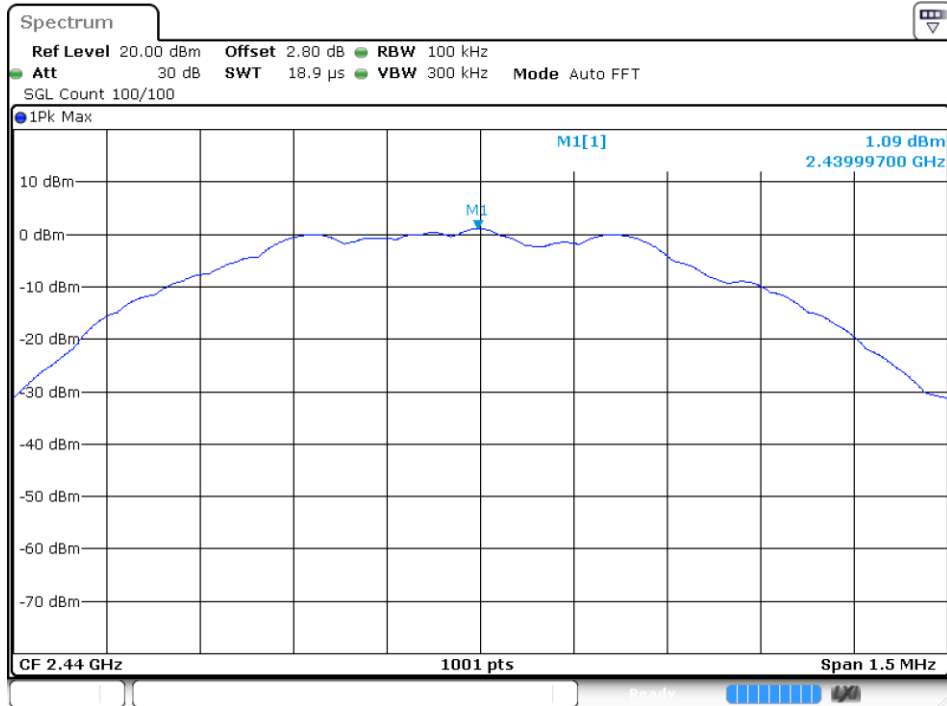
Tx. Spurious NVNT BLE 1M 2402MHz Ant1 Ref



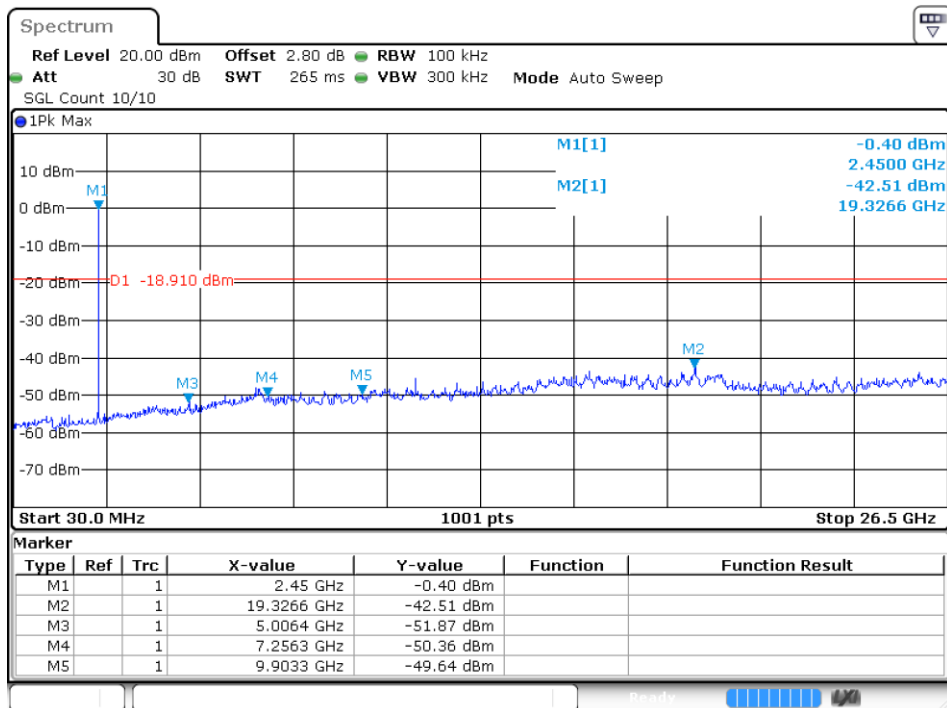
Tx. Spurious NVNT BLE 1M 2402MHz Ant1 Emission



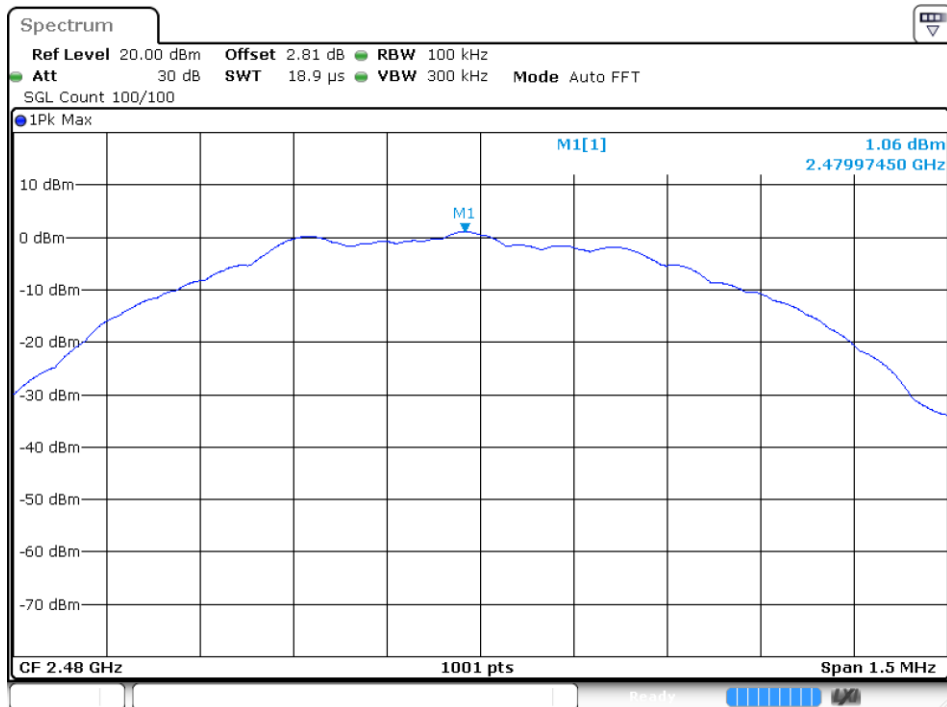
Tx. Spurious NVNT BLE 1M 2440MHz Ant1 Ref



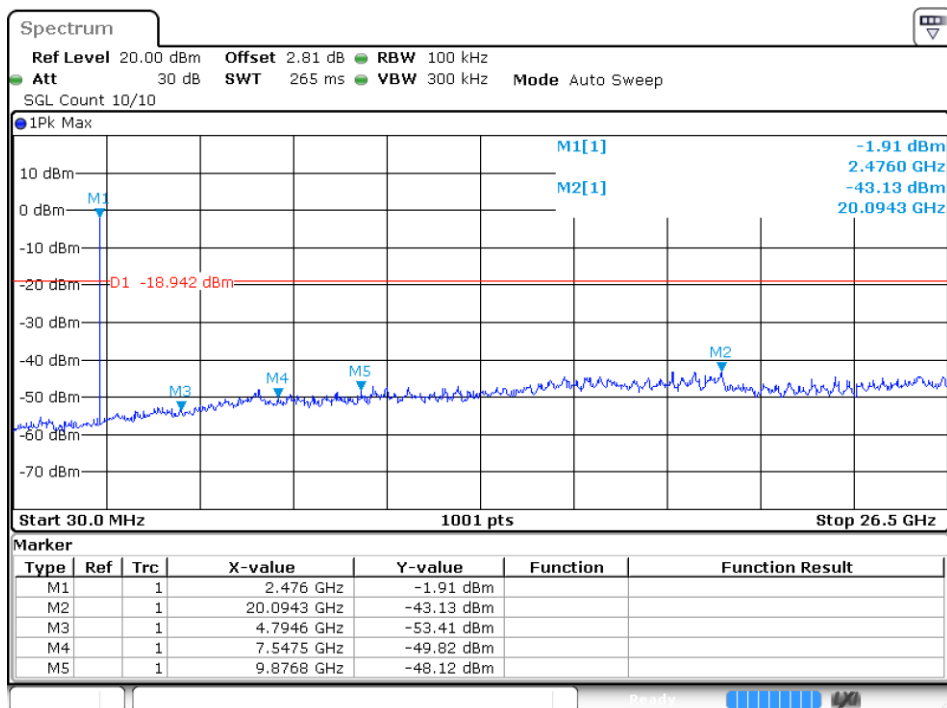
Tx. Spurious NVNT BLE 1M 2440MHz Ant1 Emission



Tx. Spurious NVNT BLE 1M 2480MHz Ant1 Ref



Tx. Spurious NVNT BLE 1M 2480MHz Ant1 Emission

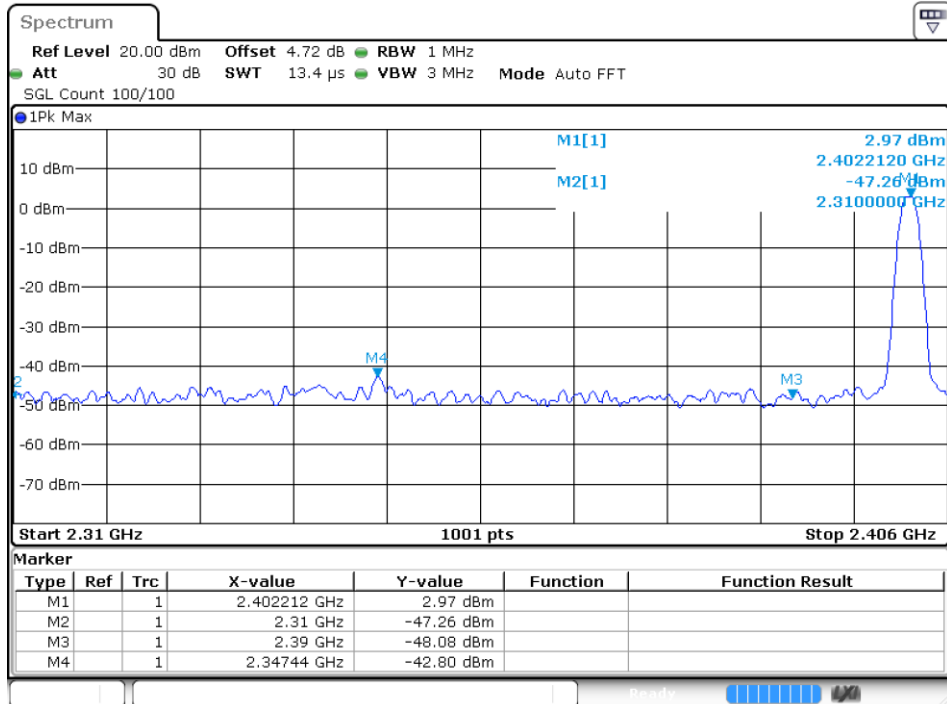


Restrict Band

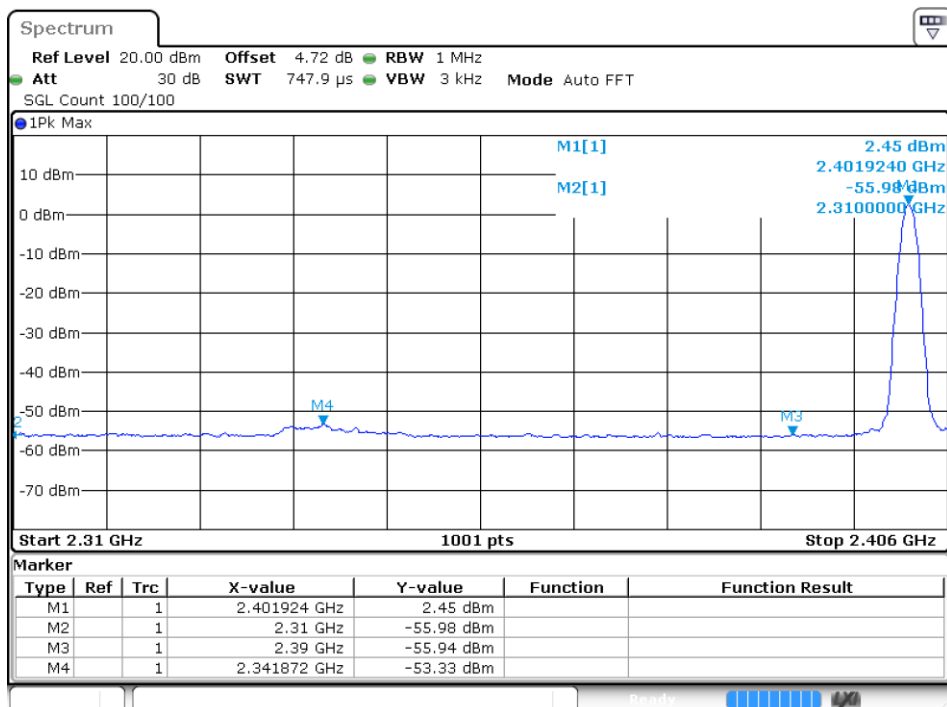
Condition	Mode	Frequency (MHz)	Antenna	Spur Freq (MHz)	Power (dBm)	Gain (dBi)	E (dBuV/m)	Detector	Limit (dBuV/m)	Verdict
NVNT	BLE 1M	2402	Ant1	2310	-47.26	2	50	Peak	74	Pass
NVNT	BLE 1M	2402	Ant1	2310	-55.98	2	41.28	Average	54	Pass
NVNT	BLE 1M	2402	Ant1	2347.44	-42.79	2	54.47	Peak	74	Pass
NVNT	BLE 1M	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

Test Graphs

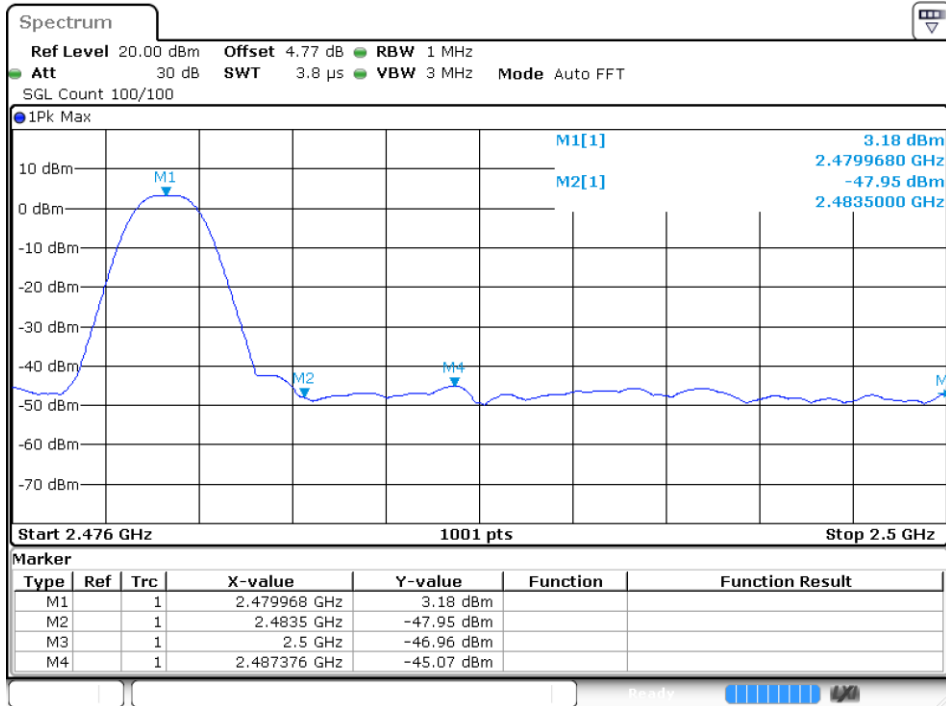
Restrict Band NVNT BLE 1M 2402MHz Ant1 Peak



Restrict Band NVNT BLE 1M 2402MHz Ant1 Average



Restrict Band NVNT BLE 1M 2480MHz Ant1 Peak



Restrict Band NVNT BLE 1M 2480MHz Ant1 Average

