

Appendix: Bluetooth LE

Contents

Contents 2

Duty Cycle 3

Maximum Peak Conducted Output Power 6

-6dB Bandwidth 9

Occupied Channel Bandwidth 12

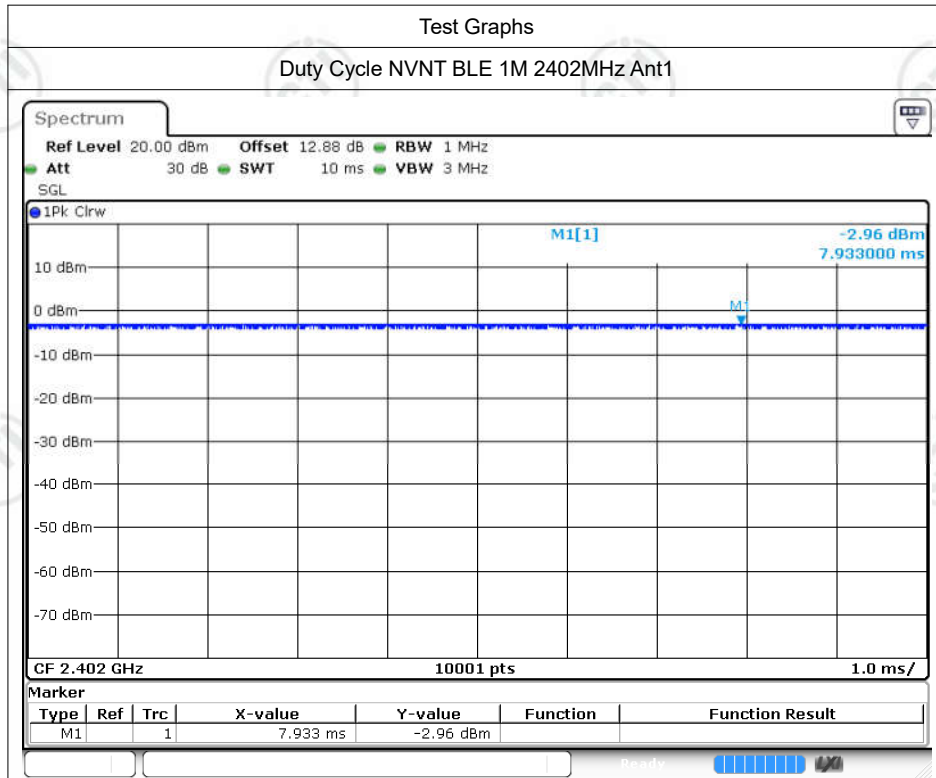
Maximum Power Spectral Density Level 15

Band Edge 18

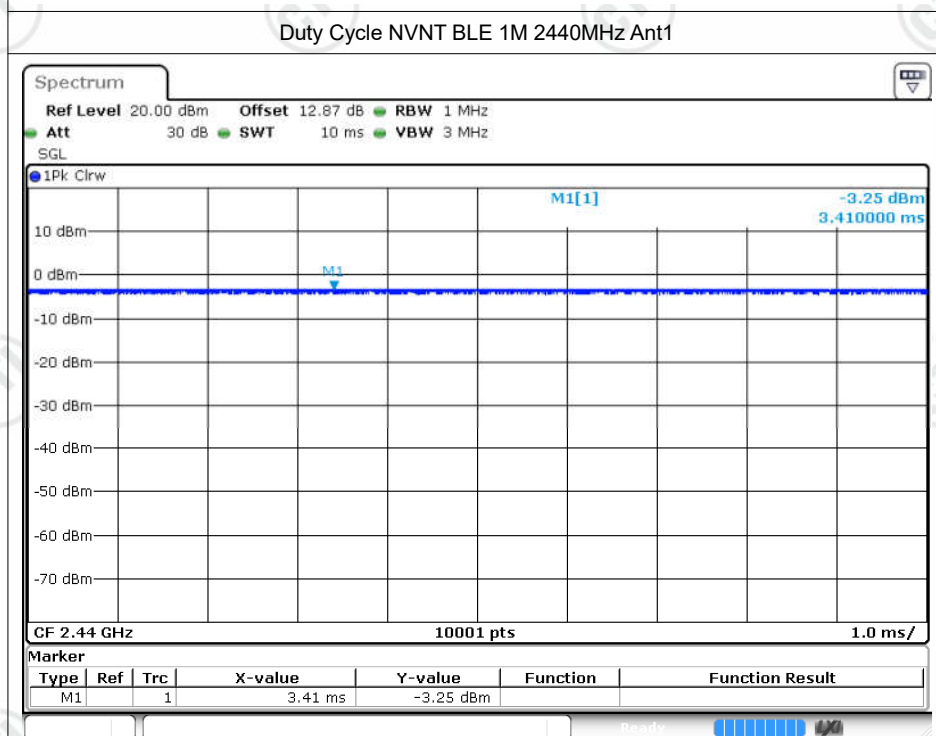
Conducted RF Spurious Emission 21

Duty Cycle

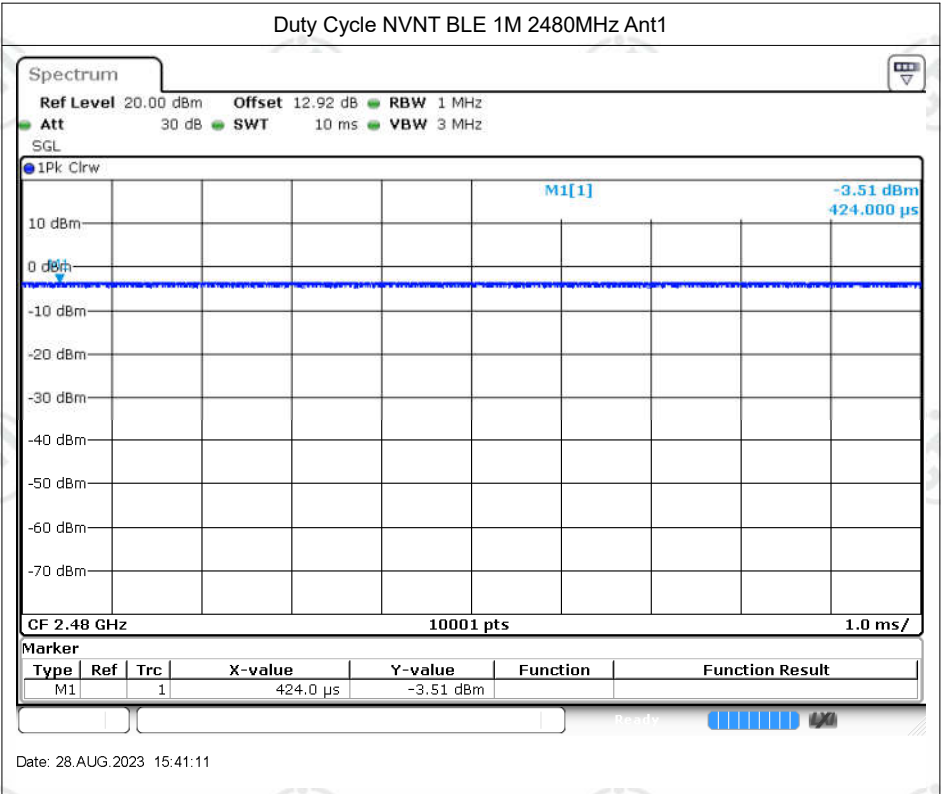
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	BLE 1M	2402	Ant1	100	0	0
NVNT	BLE 1M	2440	Ant1	100	0	0
NVNT	BLE 1M	2480	Ant1	100	0	0



Date: 28.AUG.2023 15:37:54

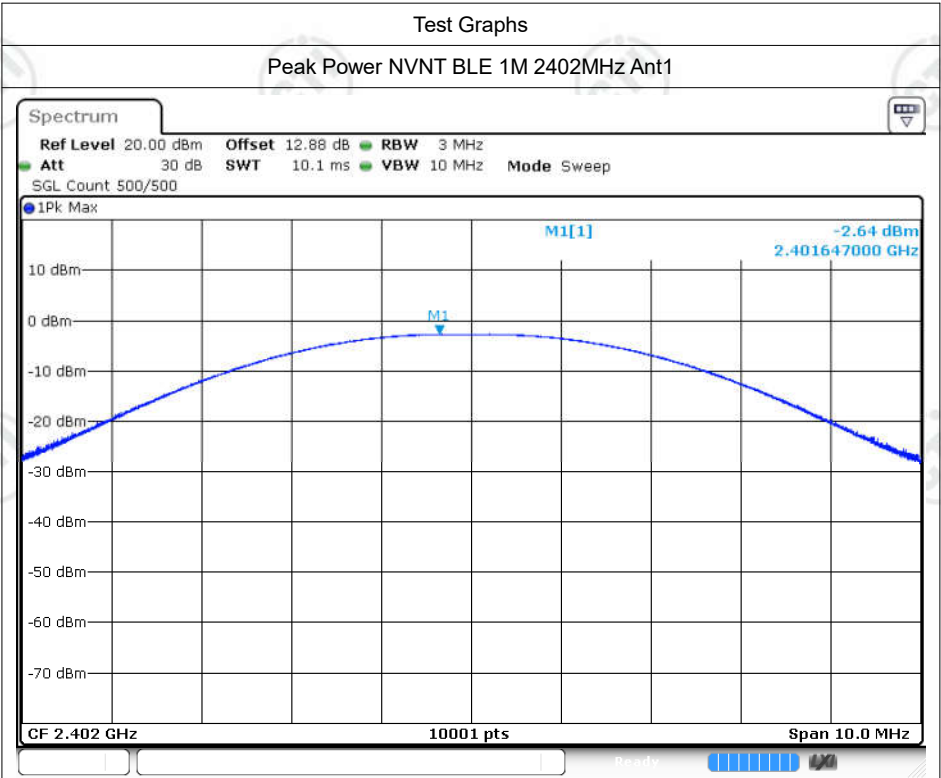


Date: 28.AUG.2023 15:39:37

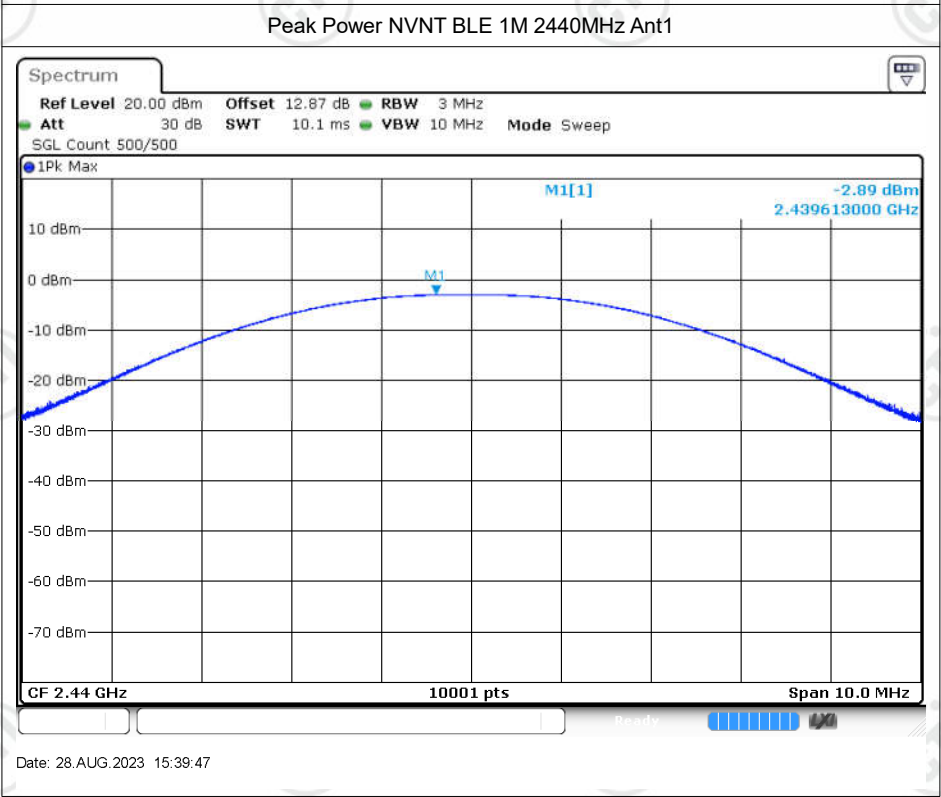


Maximum Peak Conducted Output Power

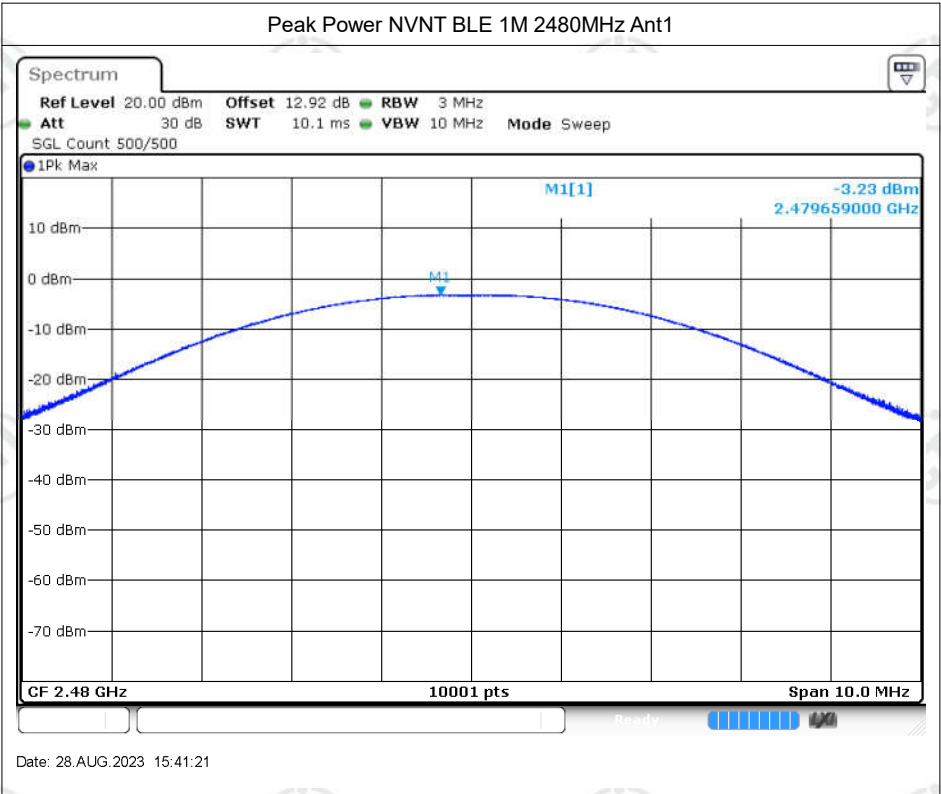
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	BLE 1M	2402	Ant1	-2.64	30	Pass
NVNT	BLE 1M	2440	Ant1	-2.89	30	Pass
NVNT	BLE 1M	2480	Ant1	-3.23	30	Pass



Date: 28.AUG.2023 15:38:05

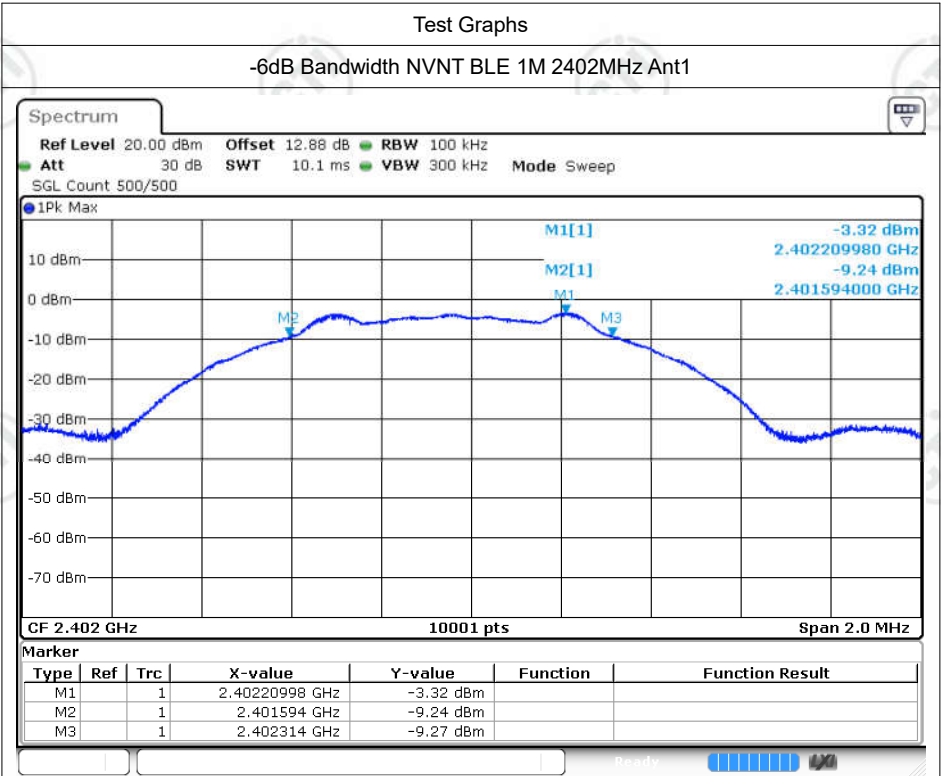


Date: 28.AUG.2023 15:39:47

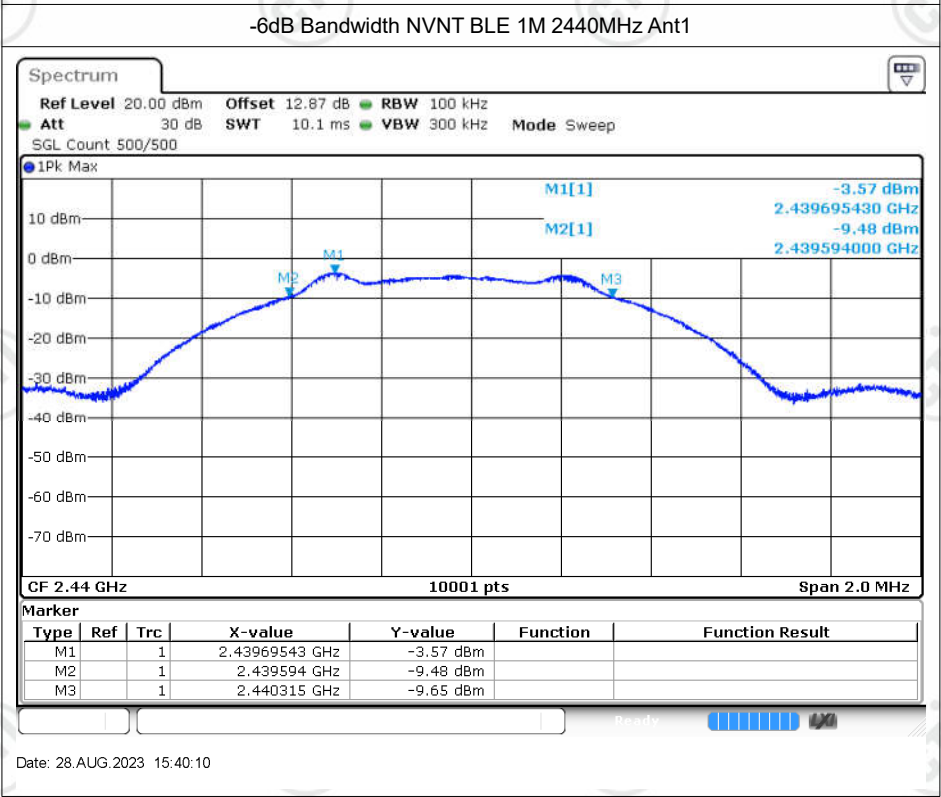


-6dB Bandwidth

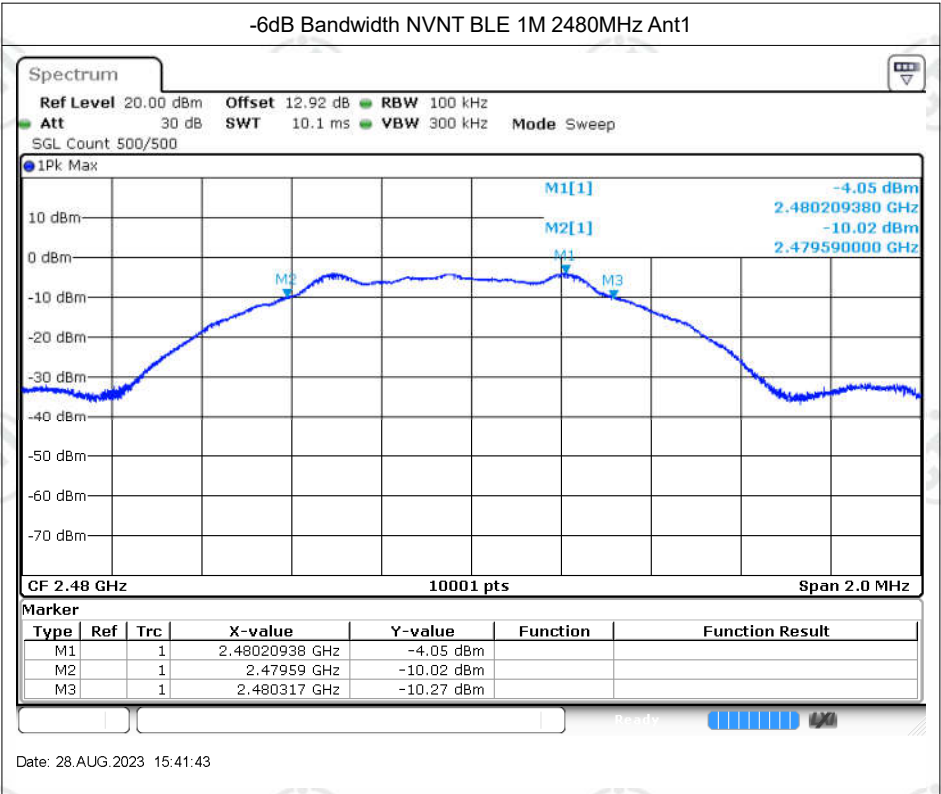
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	BLE 1M	2402	Ant1	0.72	0.5	Pass
NVNT	BLE 1M	2440	Ant1	0.721	0.5	Pass
NVNT	BLE 1M	2480	Ant1	0.727	0.5	Pass



Date: 28.AUG.2023 15:38:27

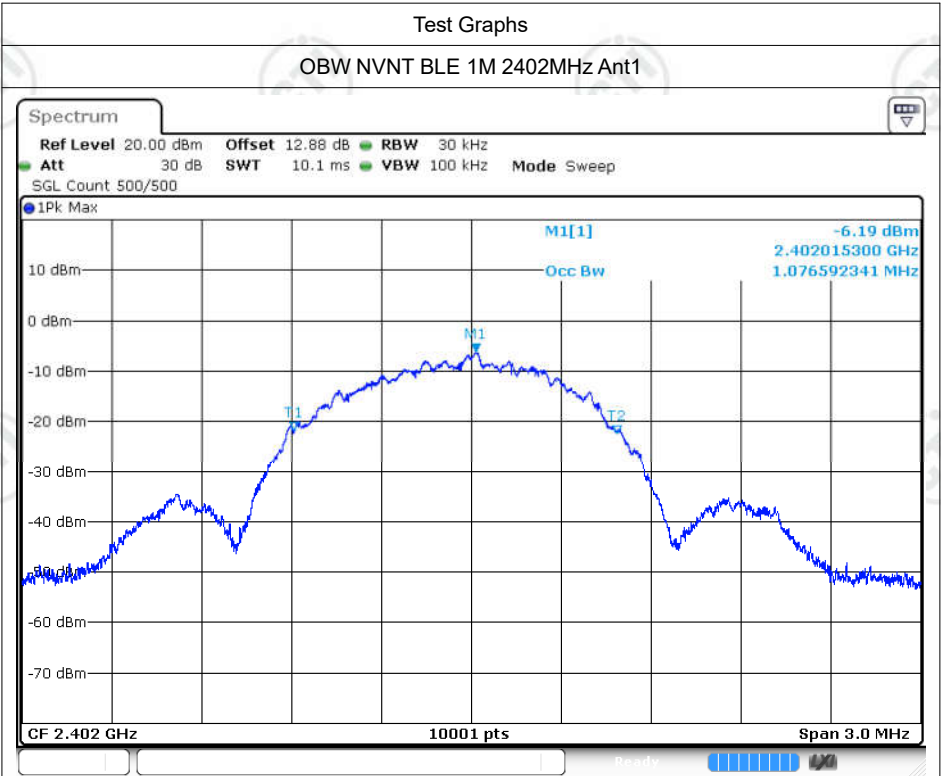


Date: 28.AUG.2023 15:40:10

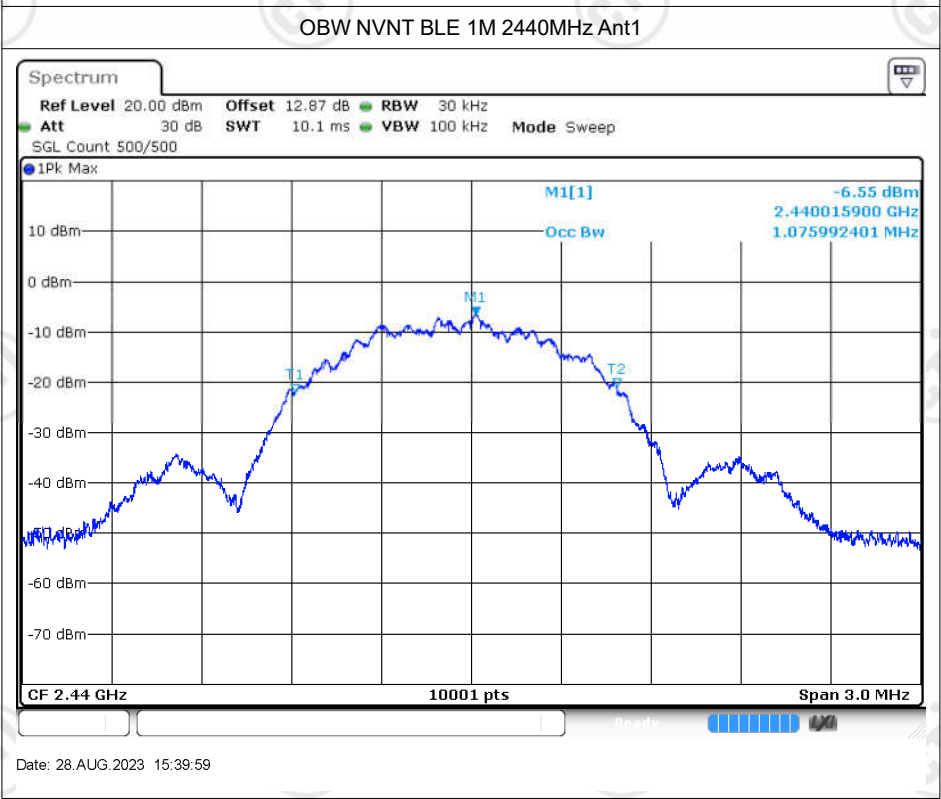


Occupied Channel Bandwidth

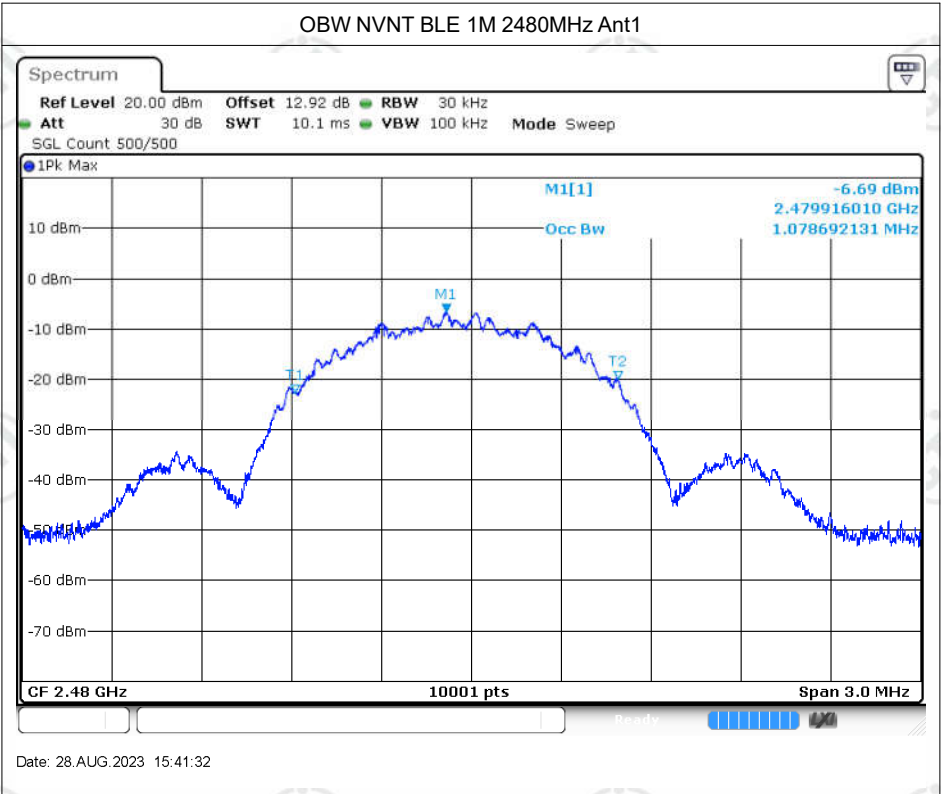
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	BLE 1M	2402	Ant1	1.077
NVNT	BLE 1M	2440	Ant1	1.076
NVNT	BLE 1M	2480	Ant1	1.079



Date: 28.AUG.2023 15:38:16

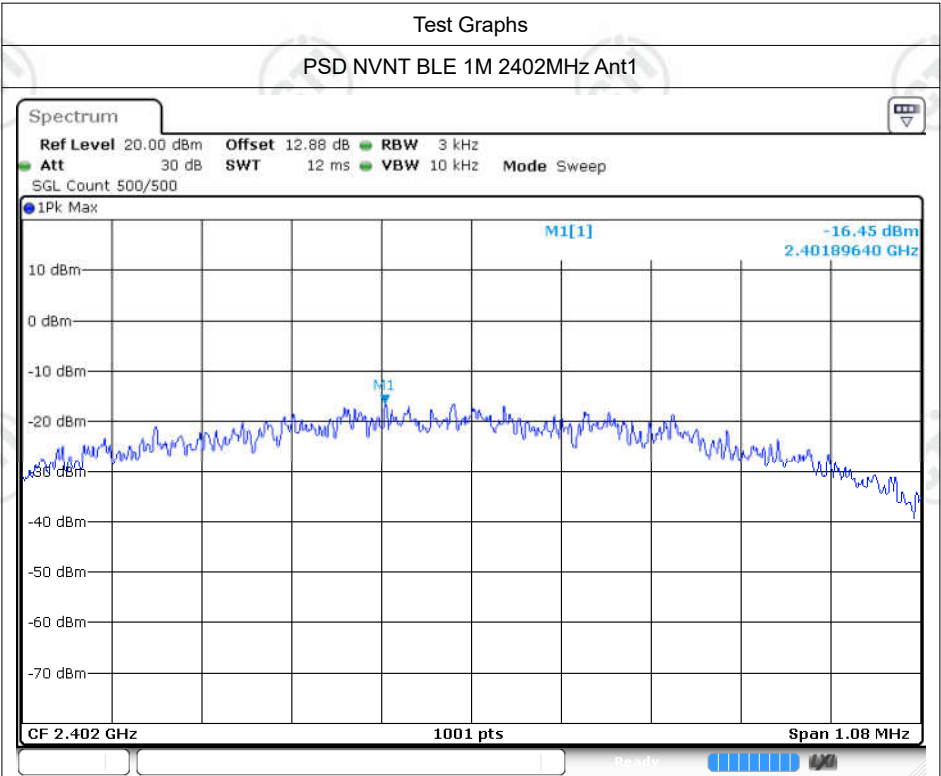


Date: 28.AUG.2023 15:39:59

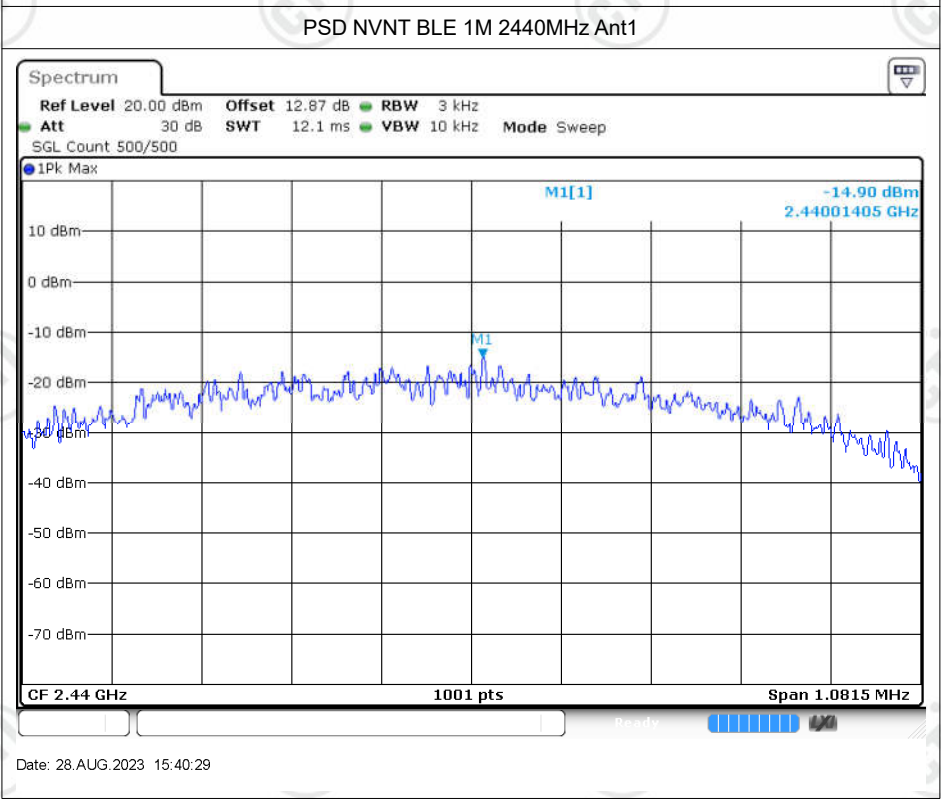


Maximum Power Spectral Density Level

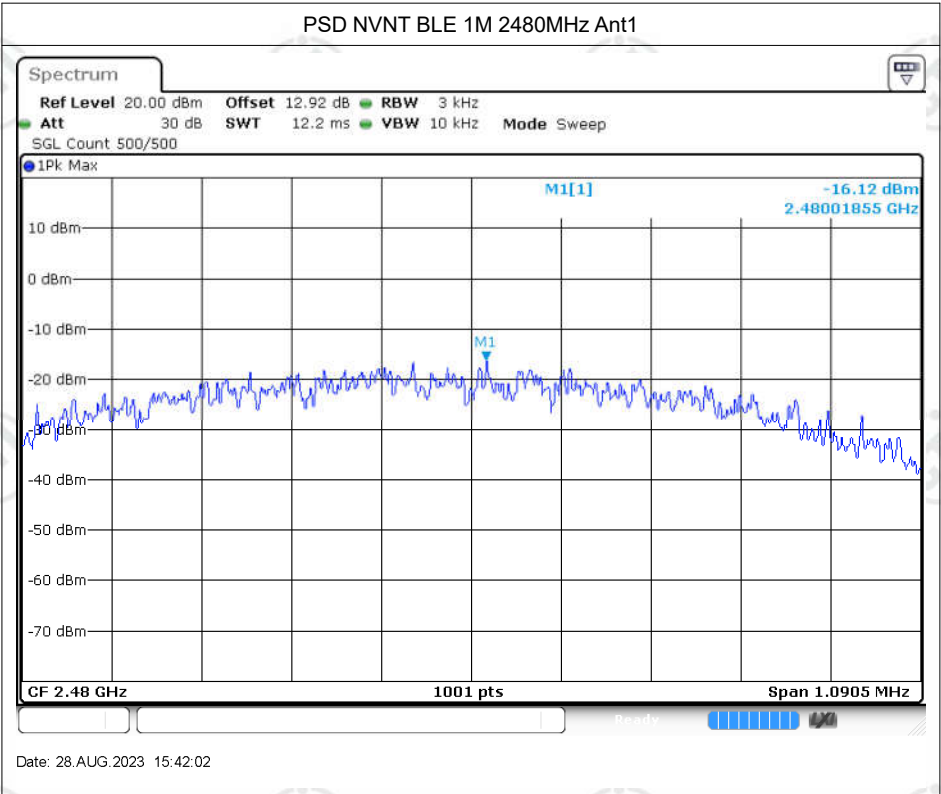
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/3kHz)	Duty Factor (dB)	Total PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
NVNT	BLE 1M	2402	Ant1	-16.45	0	-16.45	8	Pass
NVNT	BLE 1M	2440	Ant1	-14.9	0	-14.9	8	Pass
NVNT	BLE 1M	2480	Ant1	-16.12	0	-16.12	8	Pass



Date: 28.AUG.2023 15:38:45

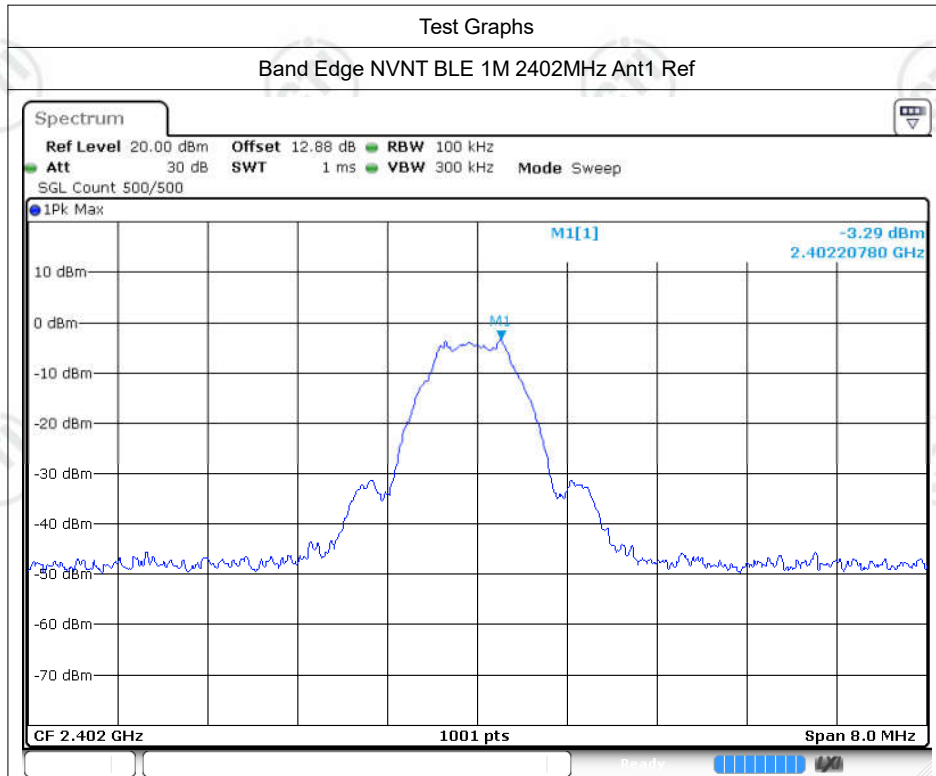


Date: 28.AUG.2023 15:40:29

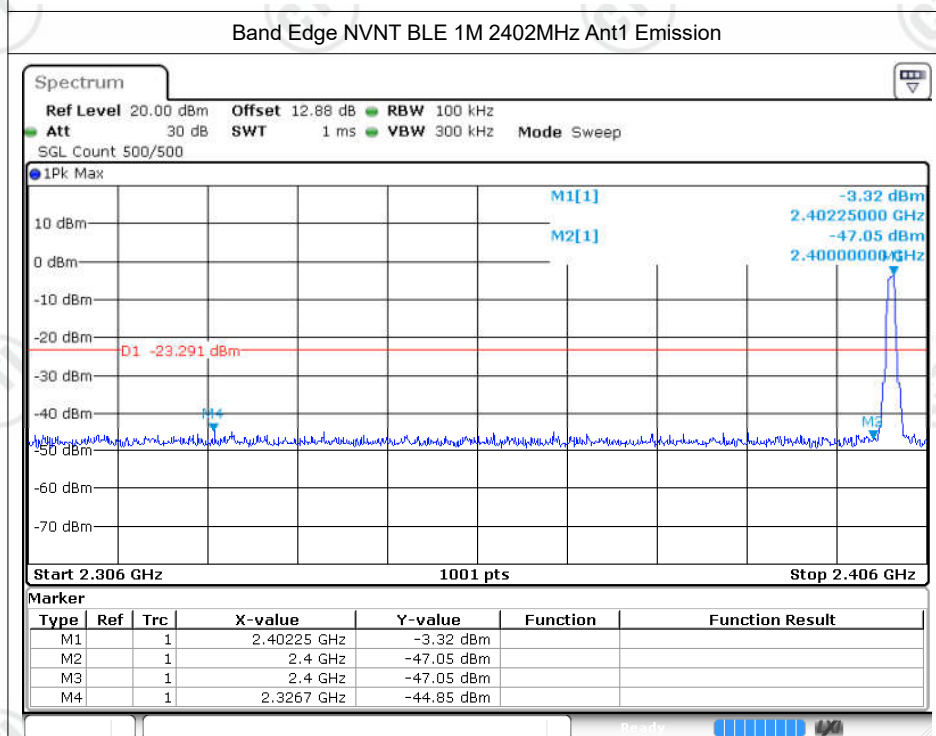


Band Edge

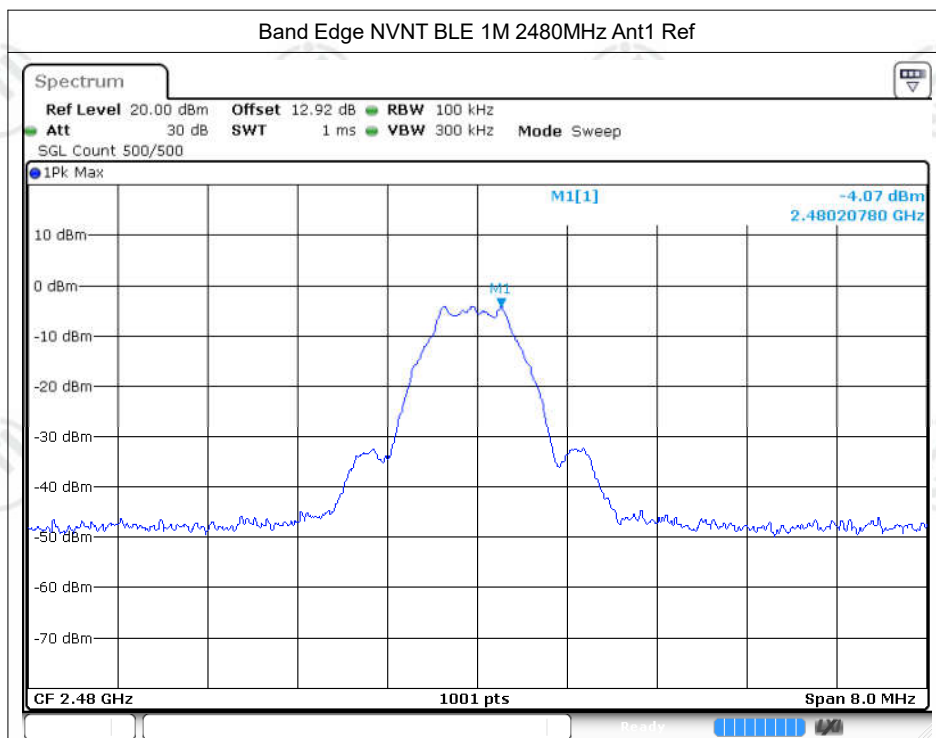
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE 1M	2402	Ant1	-41.55	-20	Pass
NVNT	BLE 1M	2480	Ant1	-41.45	-20	Pass



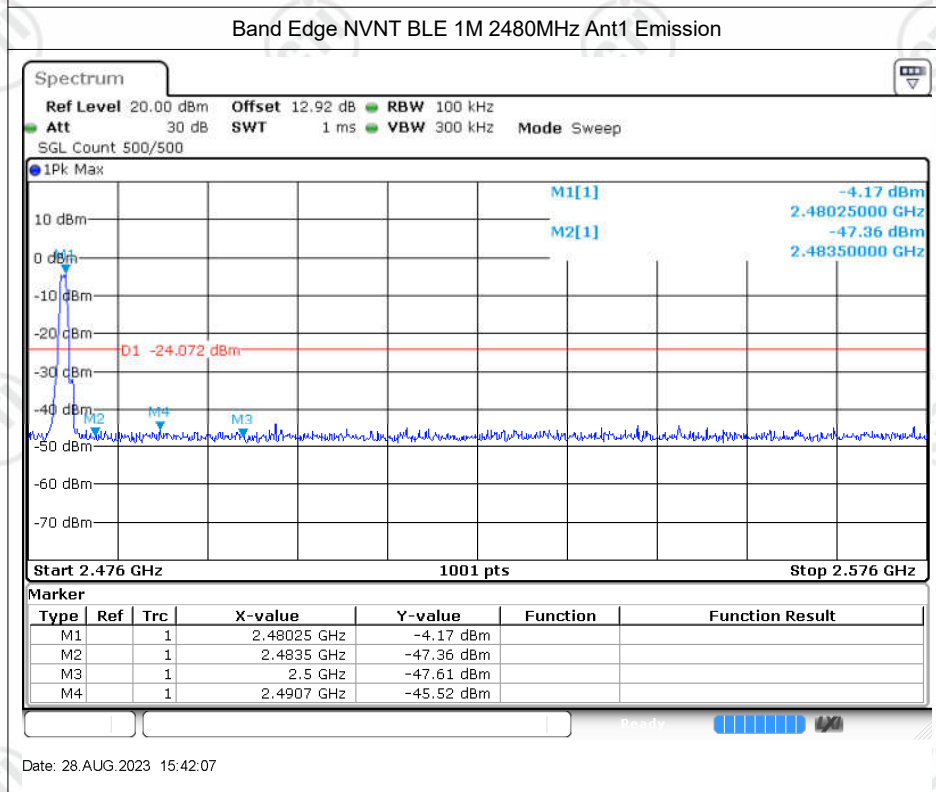
Date: 28.AUG.2023 15:38:49



Date: 28.AUG.2023 15:38:52



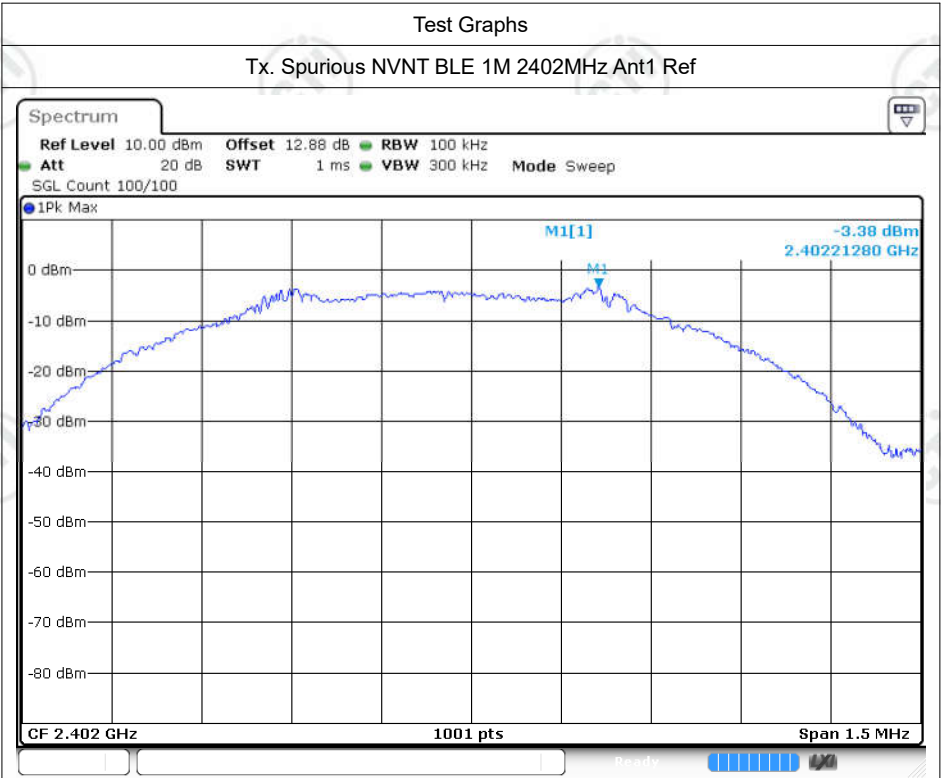
Date: 28.AUG.2023 15:42:05



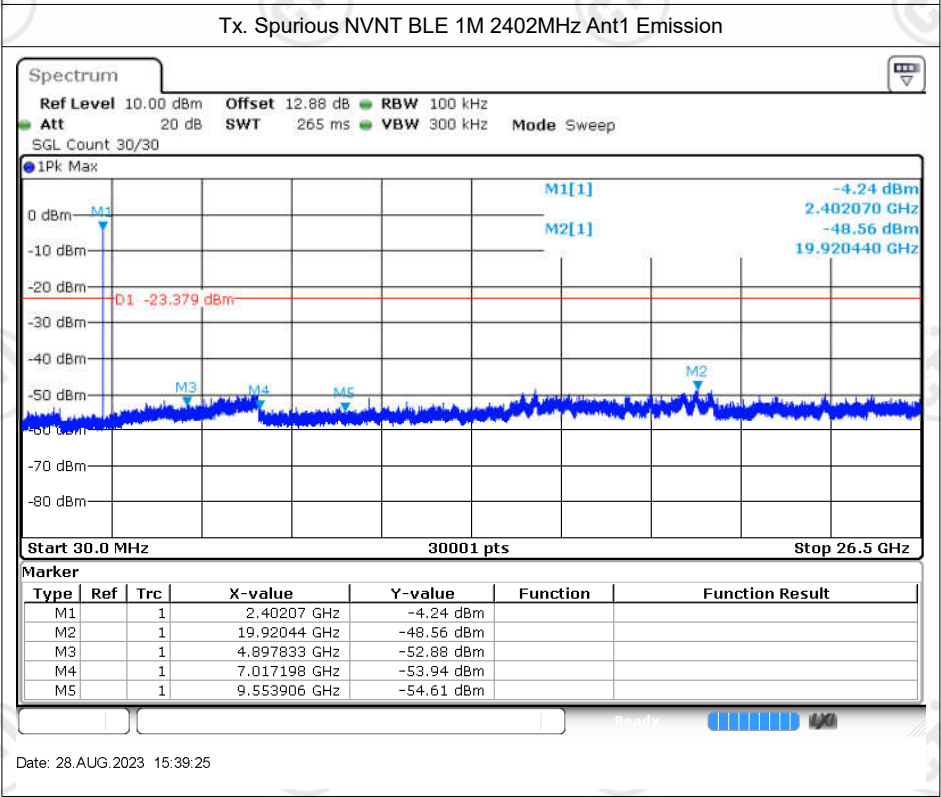
Date: 28.AUG.2023 15:42:07

Conducted RF Spurious Emission

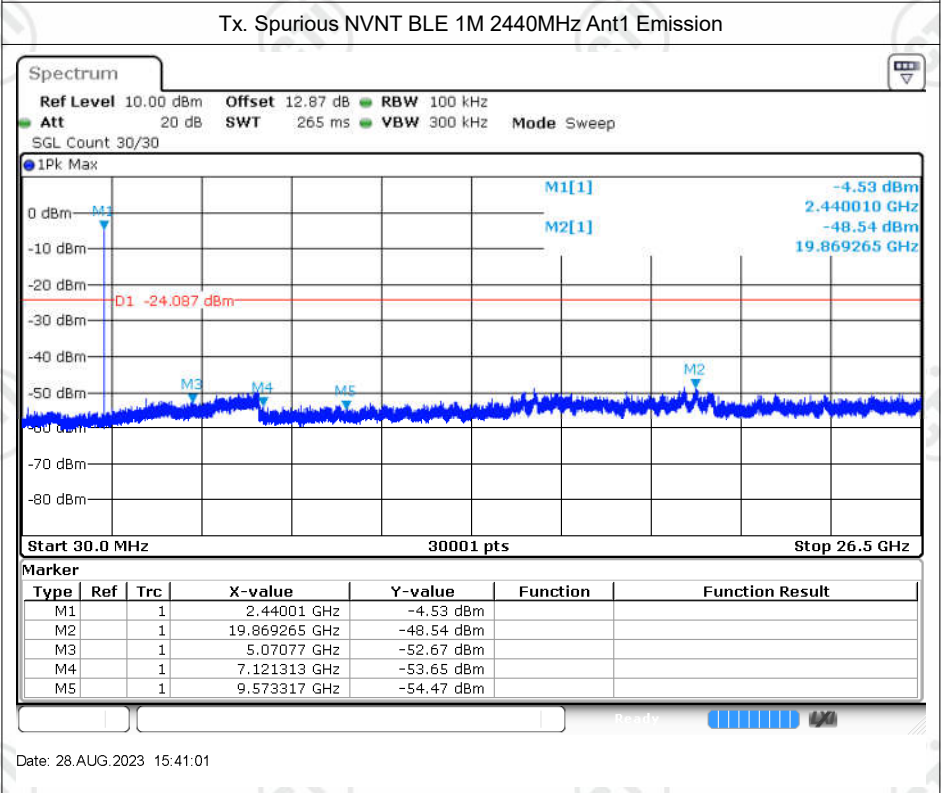
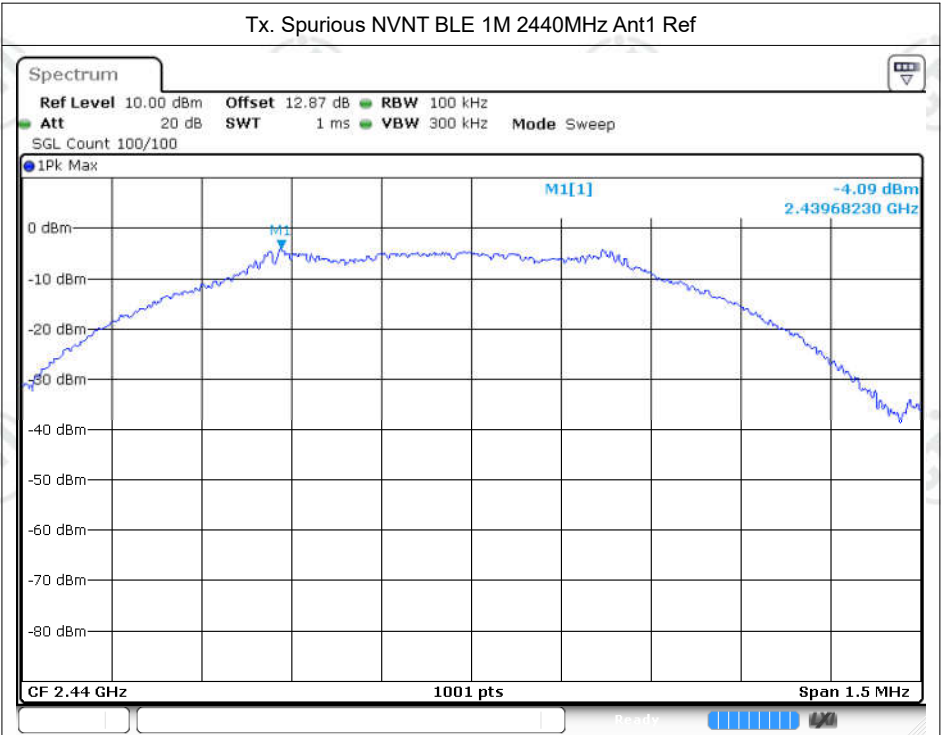
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE 1M	2402	Ant1	-45.18	-20	Pass
NVNT	BLE 1M	2440	Ant1	-44.45	-20	Pass
NVNT	BLE 1M	2480	Ant1	-43.9	-20	Pass

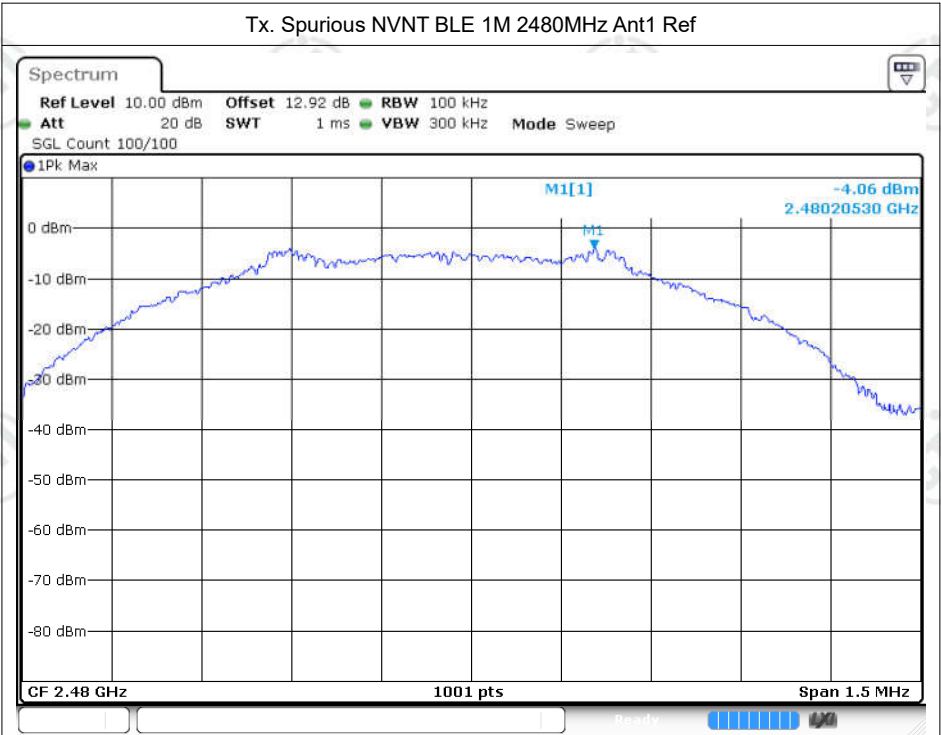


Date: 28.AUG.2023 15:38:56

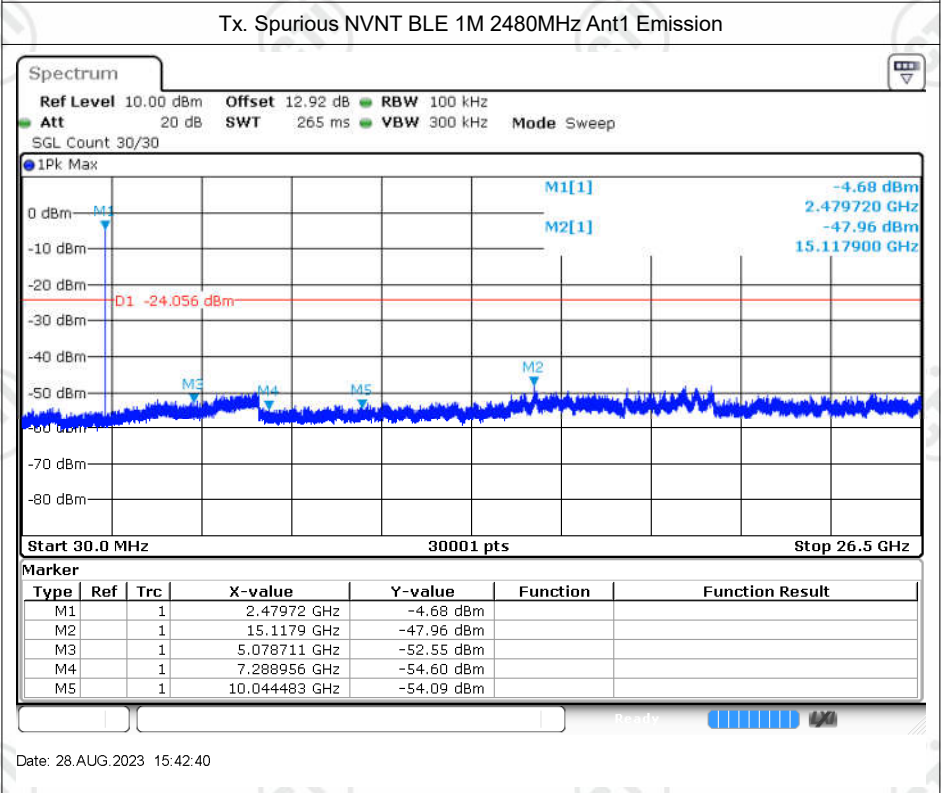


Date: 28.AUG.2023 15:39:25





Date: 28.AUG.2023 15:42:11



*** End of Report ***