

Appendix: Bluetooth LE

Contents

Contents 2

Duty Cycle 3

Maximum Peak Conducted Output Power 6

-6dB Bandwidth 9

Occupied Channel Bandwidth 12

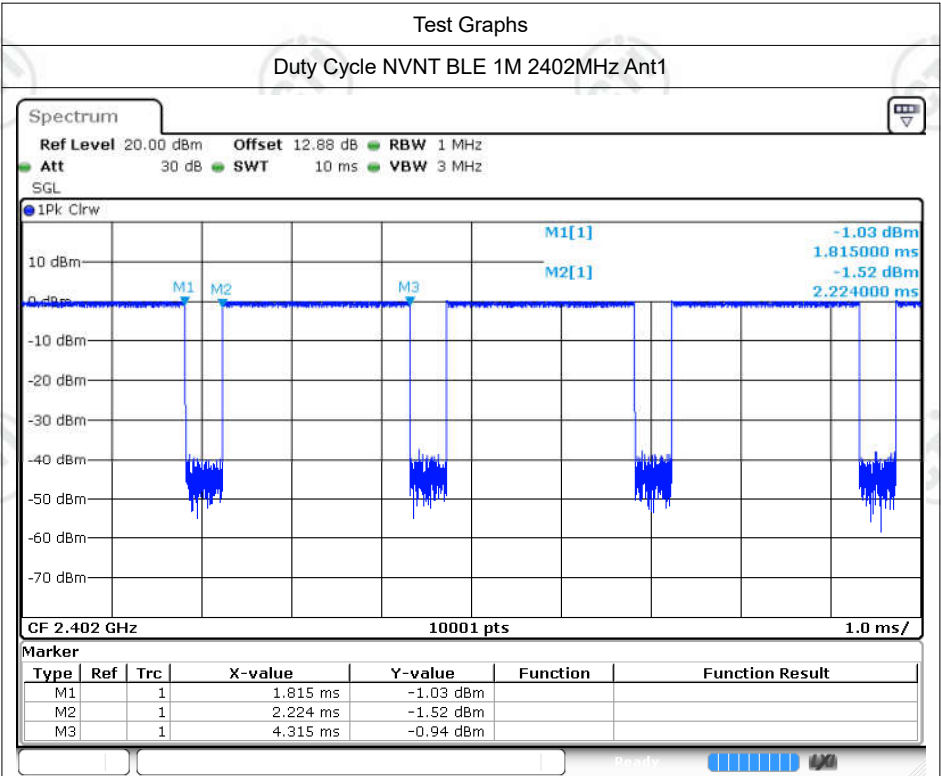
Maximum Power Spectral Density Level 15

Band Edge 18

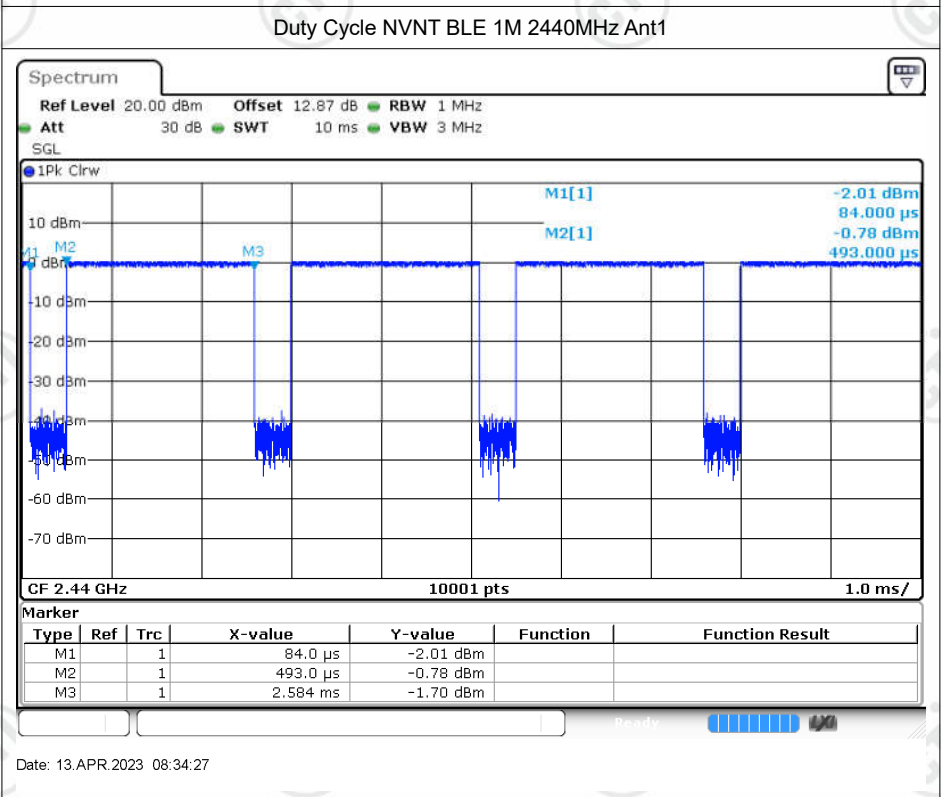
Conducted RF Spurious Emission 21

Duty Cycle

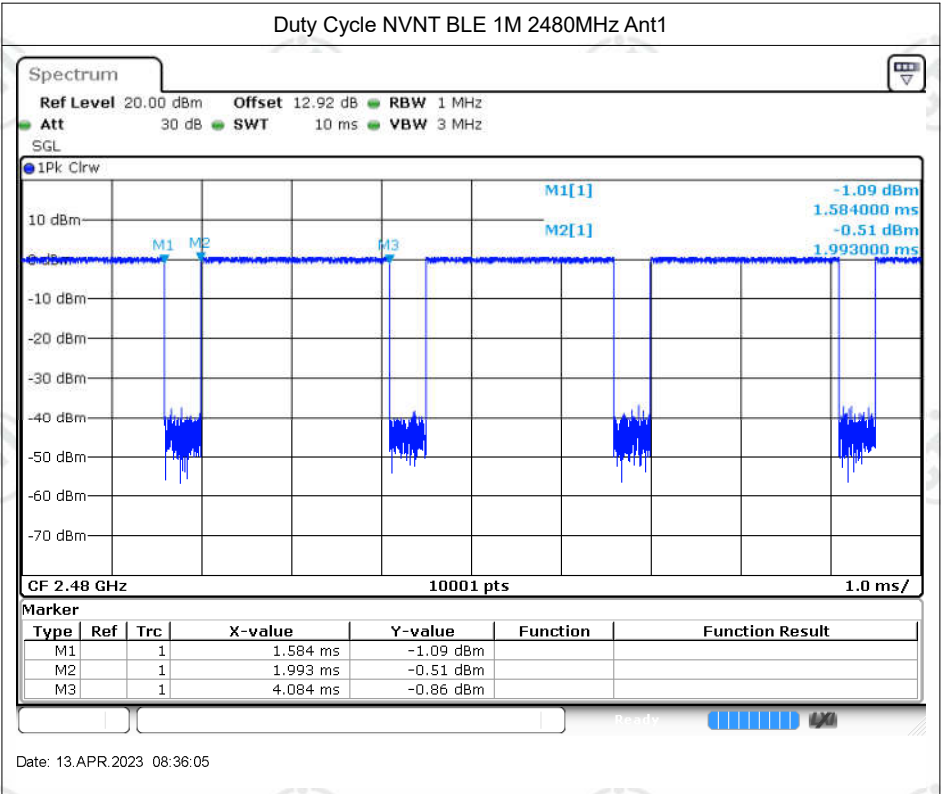
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	BLE 1M	2402	Ant1	83.64	0.78	0.48
NVNT	BLE 1M	2440	Ant1	83.64	0.78	0.48
NVNT	BLE 1M	2480	Ant1	83.64	0.78	0.48



Date: 13.APR.2023 08:32:40

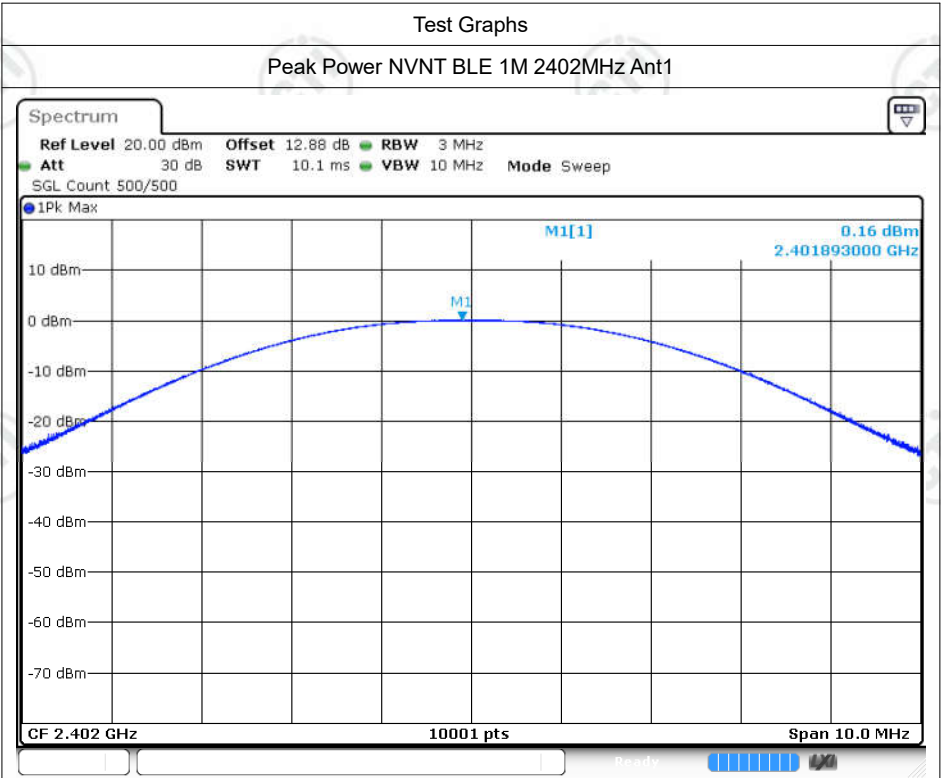


Date: 13.APR.2023 08:34:27

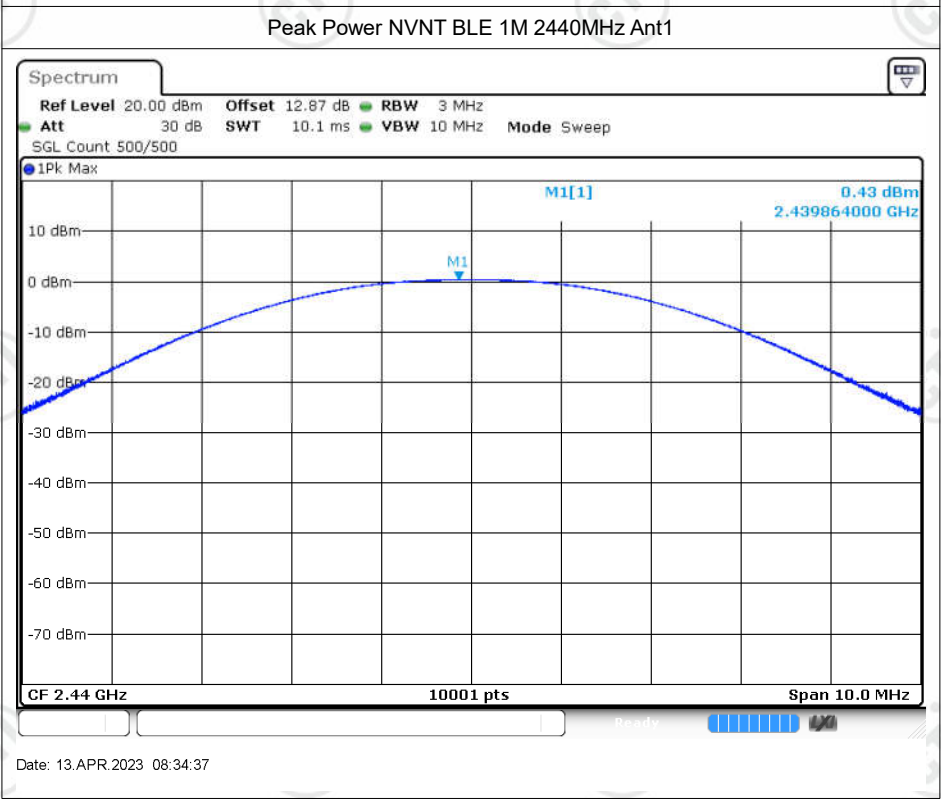


Maximum Peak Conducted Output Power

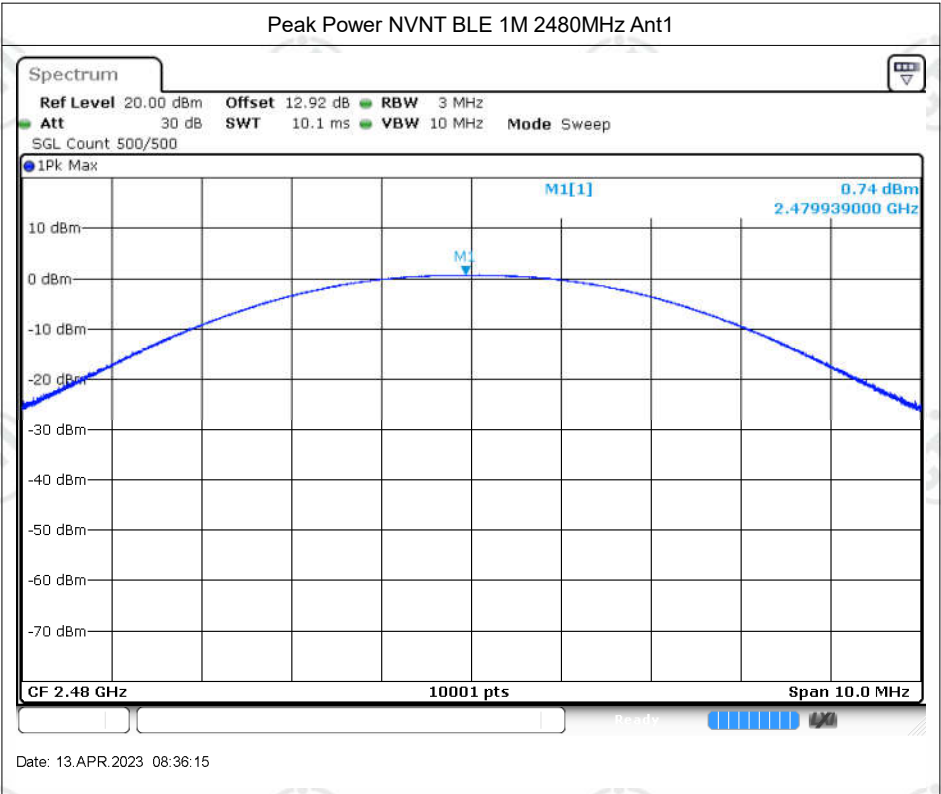
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	BLE 1M	2402	Ant1	0.16	30	Pass
NVNT	BLE 1M	2440	Ant1	0.43	30	Pass
NVNT	BLE 1M	2480	Ant1	0.74	30	Pass



Date: 13.APR.2023 08:32:50

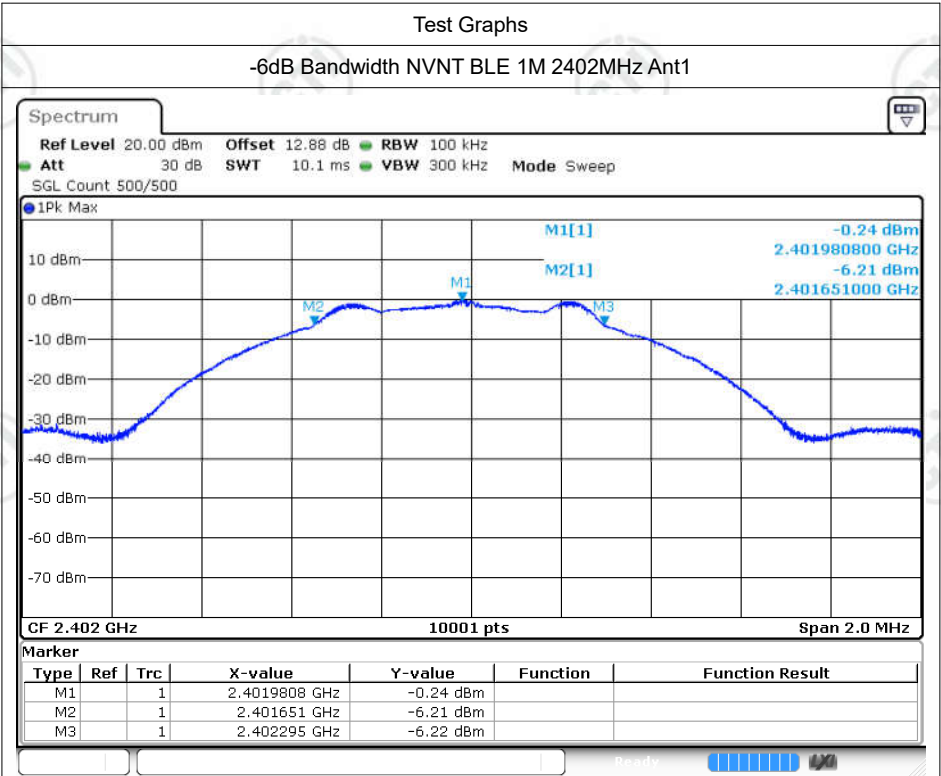


Date: 13.APR.2023 08:34:37

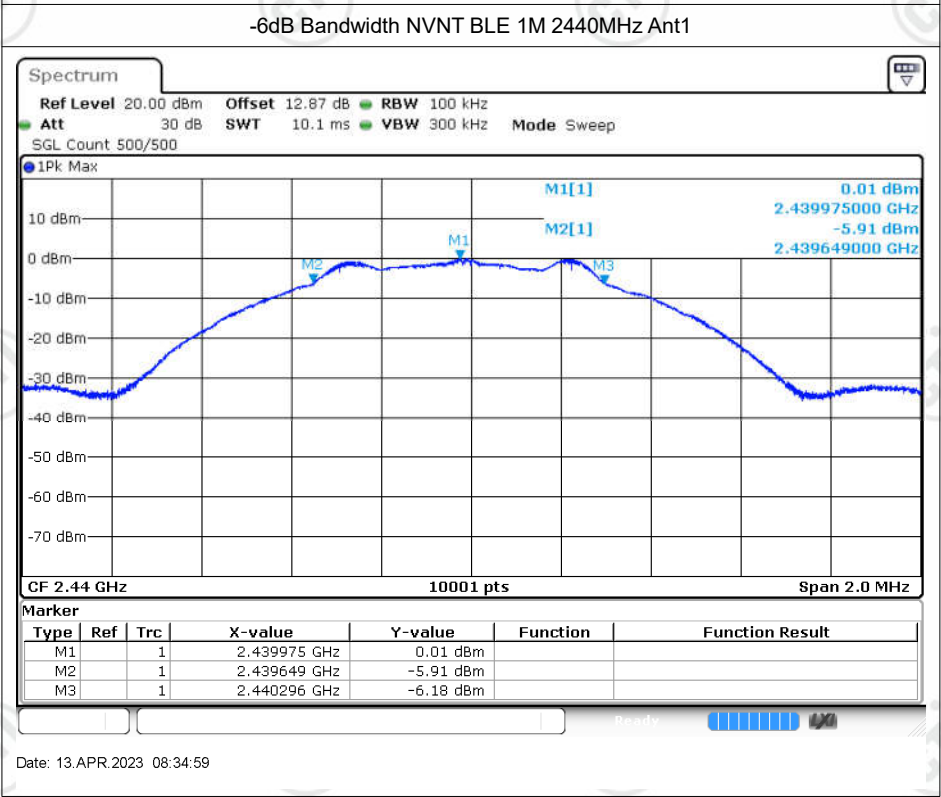


-6dB Bandwidth

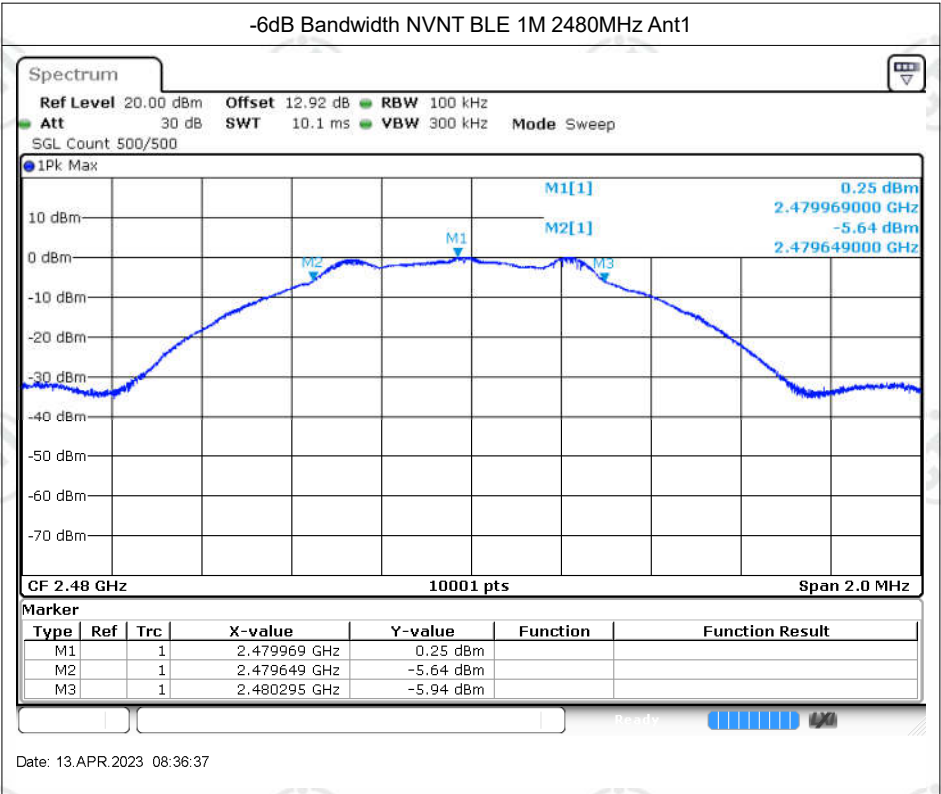
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	BLE 1M	2402	Ant1	0.644	0.5	Pass
NVNT	BLE 1M	2440	Ant1	0.647	0.5	Pass
NVNT	BLE 1M	2480	Ant1	0.646	0.5	Pass



Date: 13.APR.2023 08:33:11

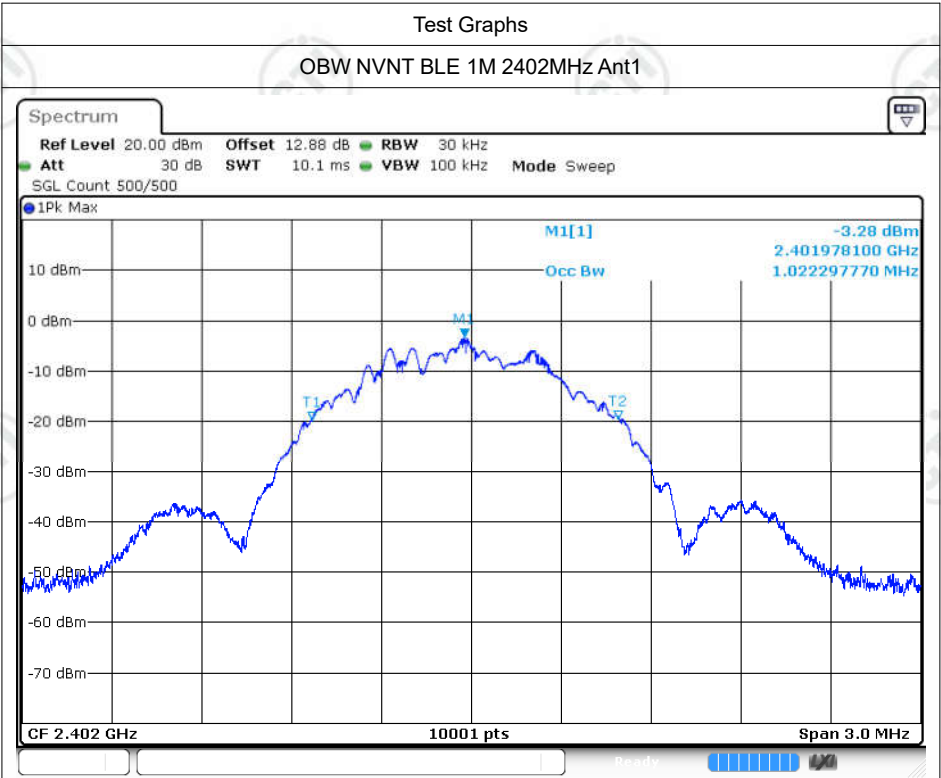


Date: 13.APR.2023 08:34:59

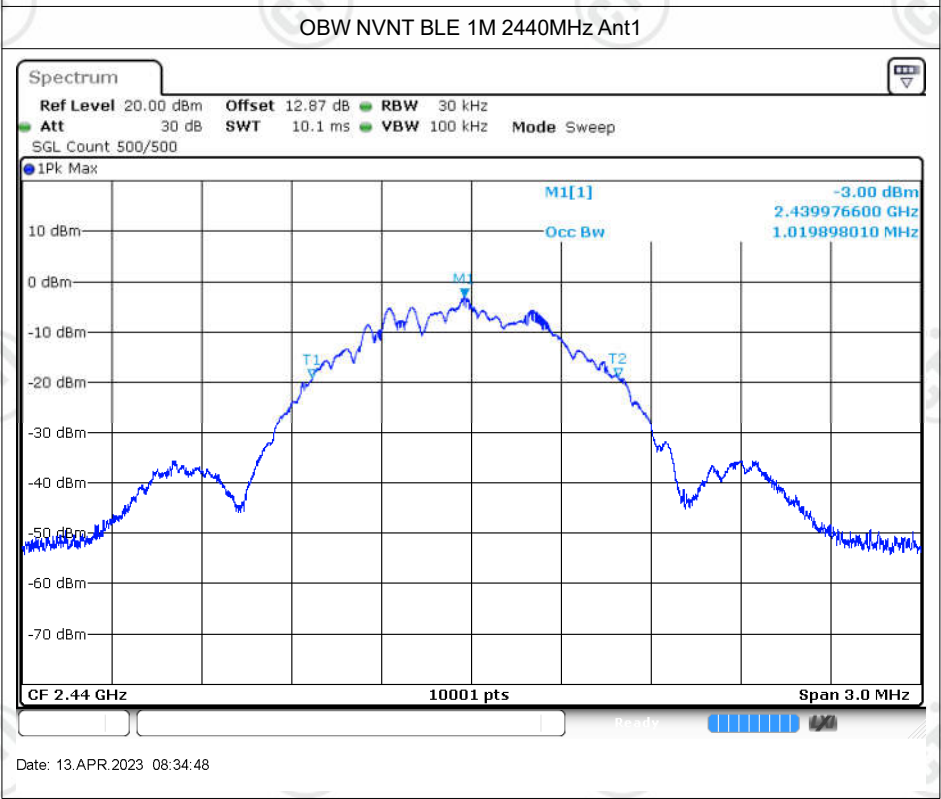


Occupied Channel Bandwidth

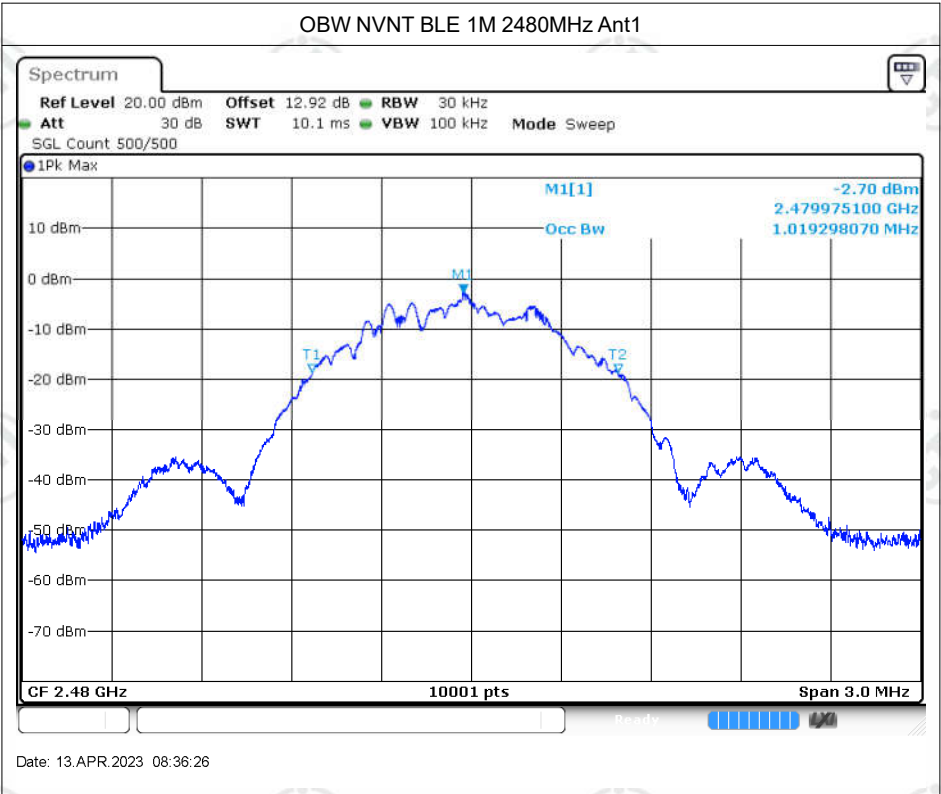
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	BLE 1M	2402	Ant1	1.022
NVNT	BLE 1M	2440	Ant1	1.02
NVNT	BLE 1M	2480	Ant1	1.019



Date: 13.APR.2023 08:33:01

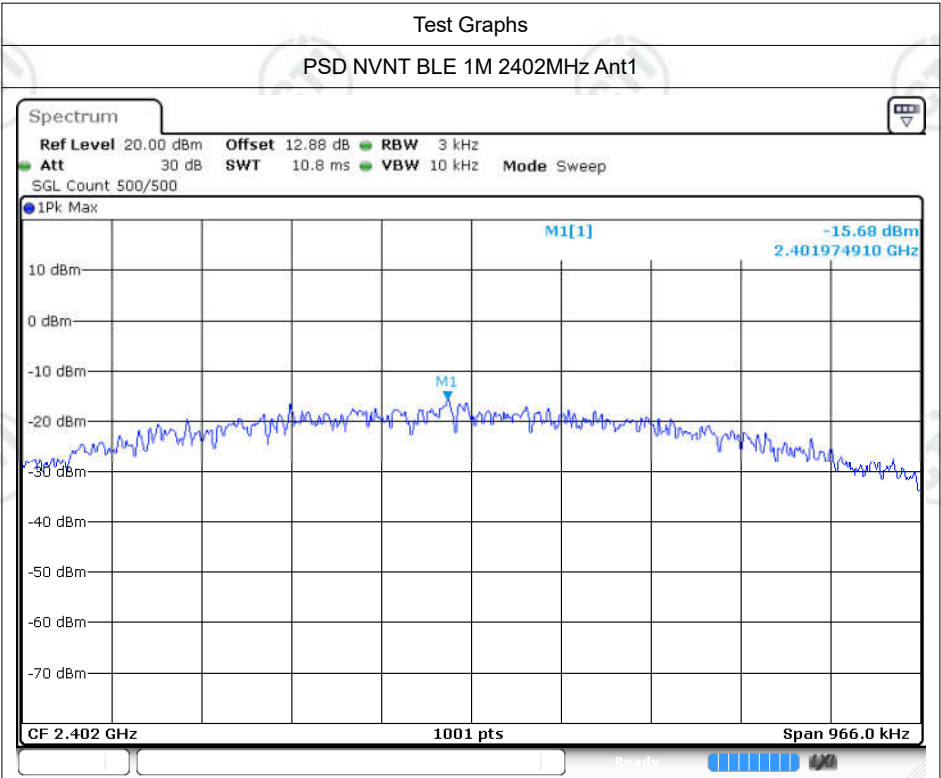


Date: 13.APR.2023 08:34:48

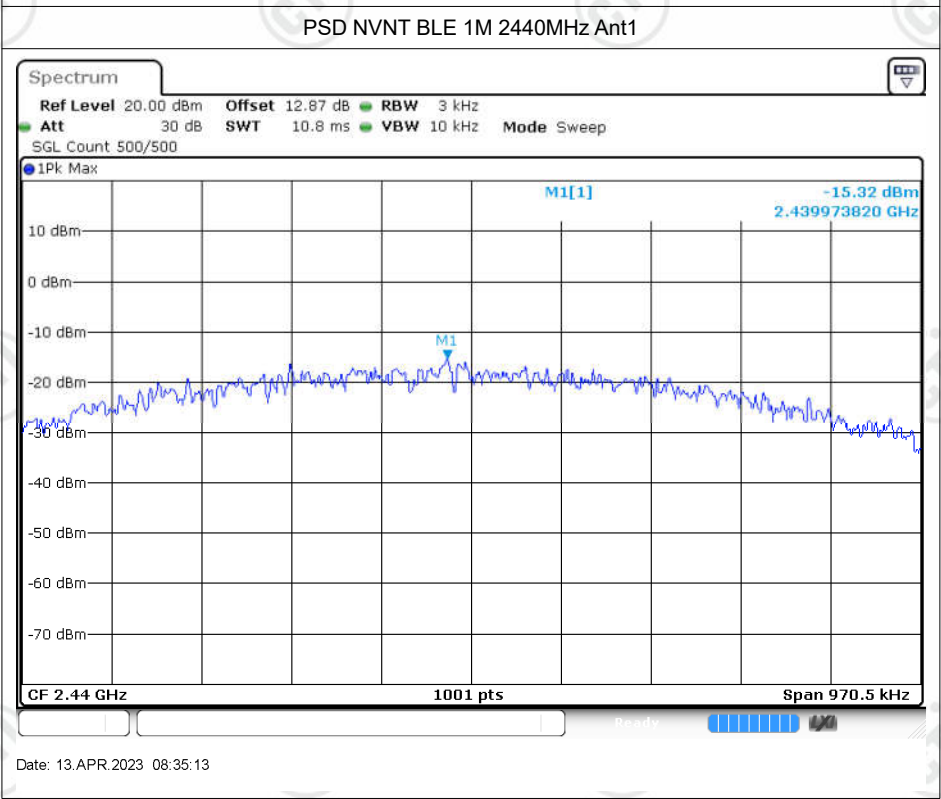


Maximum Power Spectral Density Level

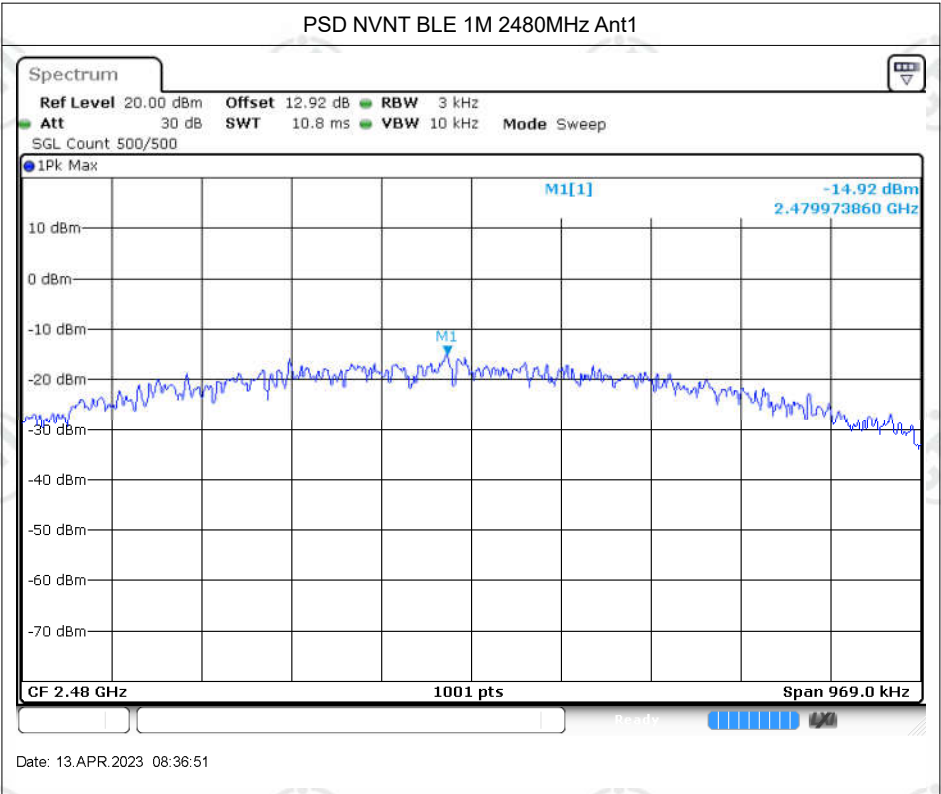
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
NVNT	BLE 1M	2402	Ant1	-15.68	8	Pass
NVNT	BLE 1M	2440	Ant1	-15.32	8	Pass
NVNT	BLE 1M	2480	Ant1	-14.92	8	Pass



Date: 13.APR.2023 08:33:24

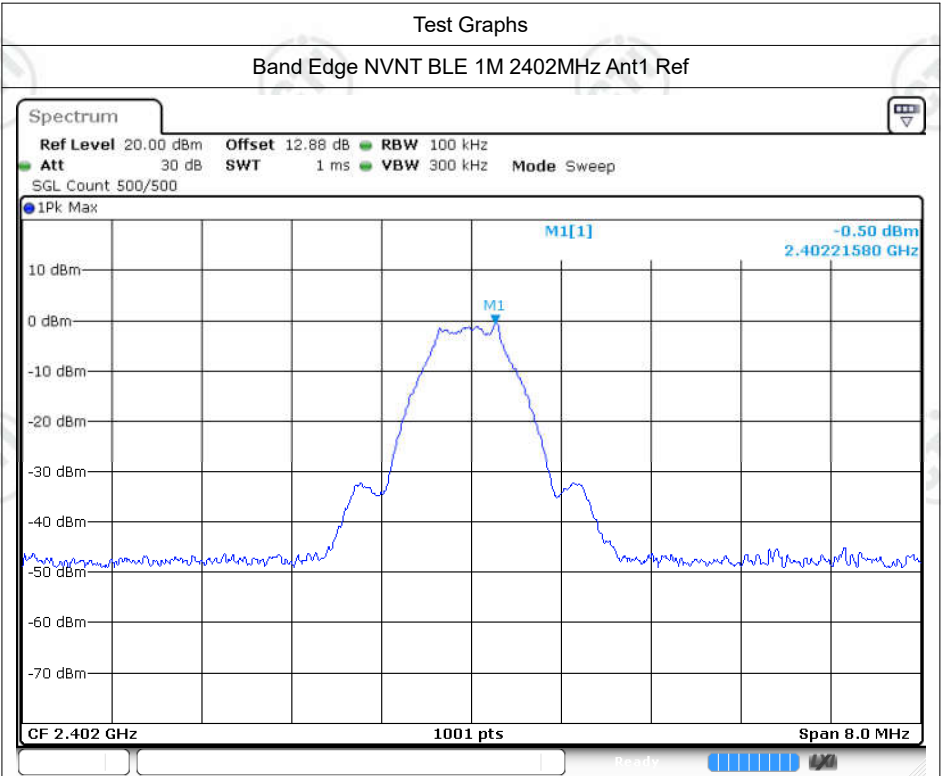


Date: 13.APR.2023 08:35:13

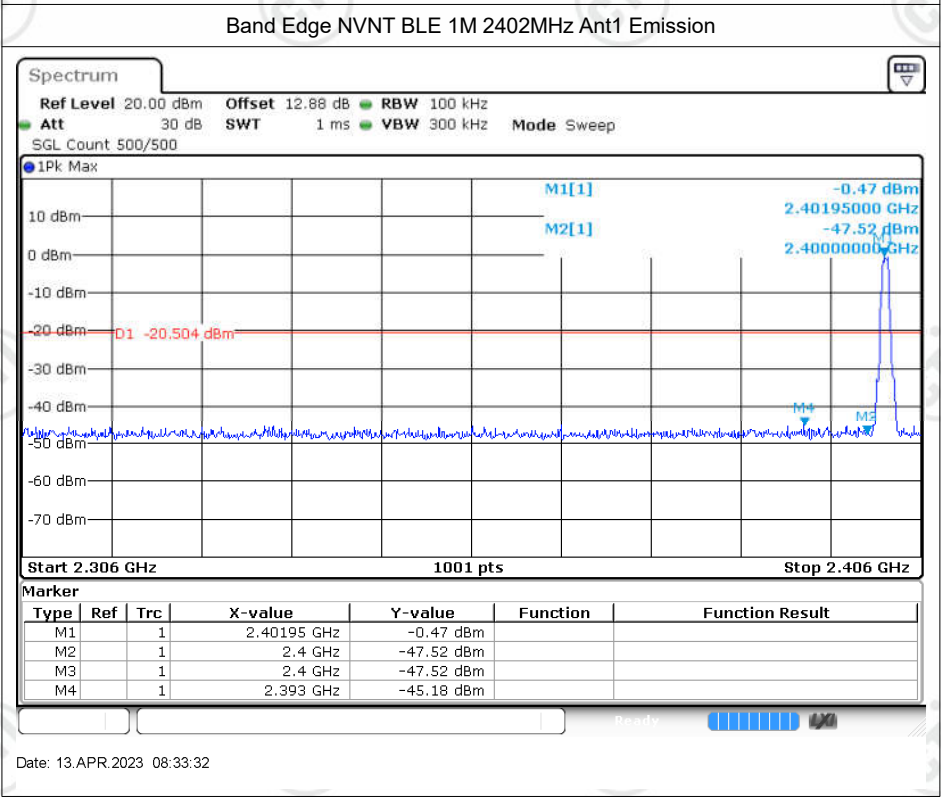


Band Edge

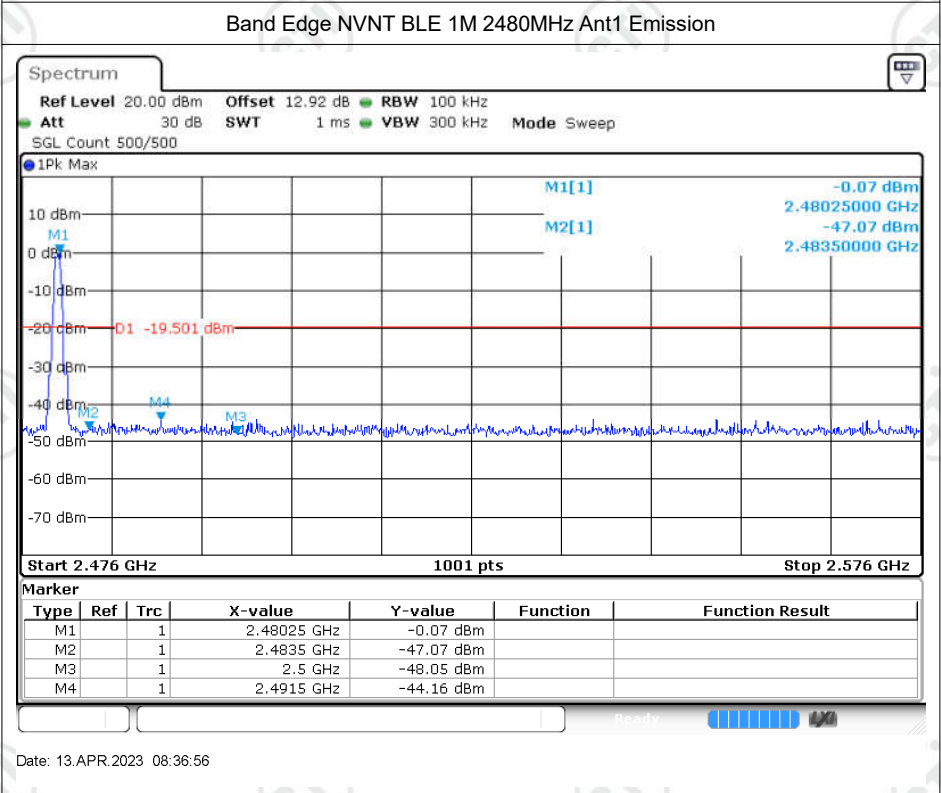
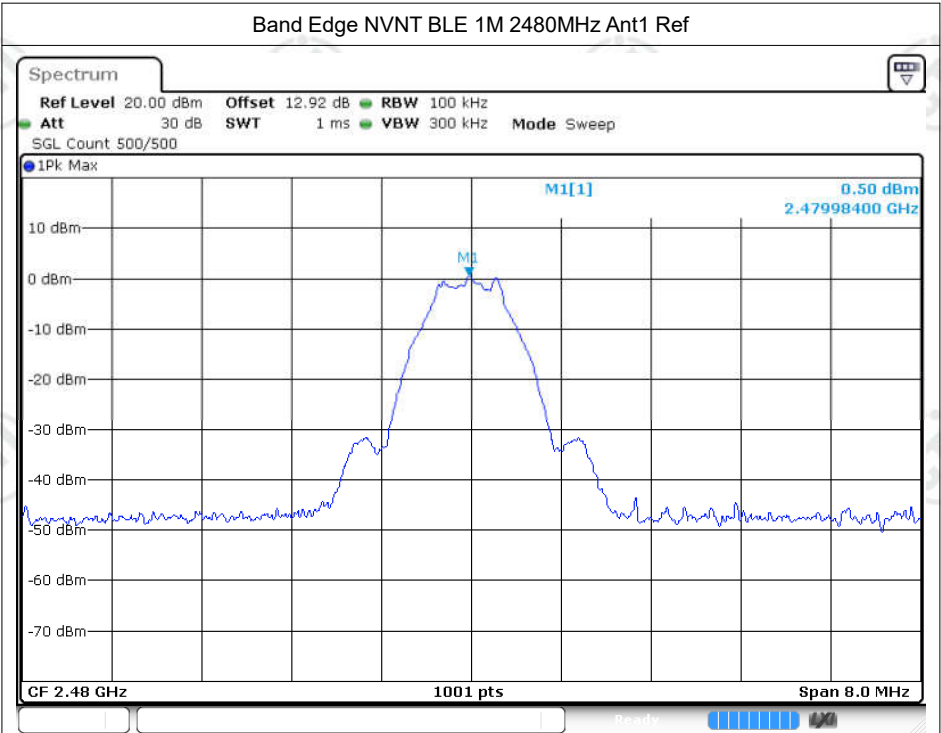
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE 1M	2402	Ant1	-44.67	-20	Pass
NVNT	BLE 1M	2480	Ant1	-44.65	-20	Pass



Date: 13.APR.2023 08:33:28

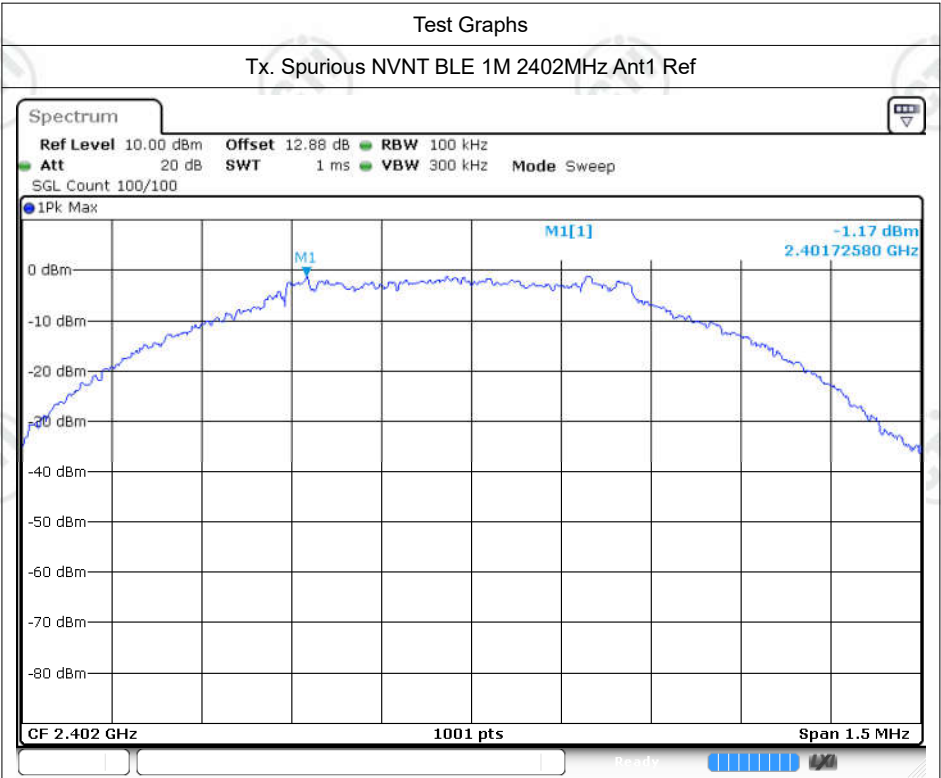


Date: 13.APR.2023 08:33:32

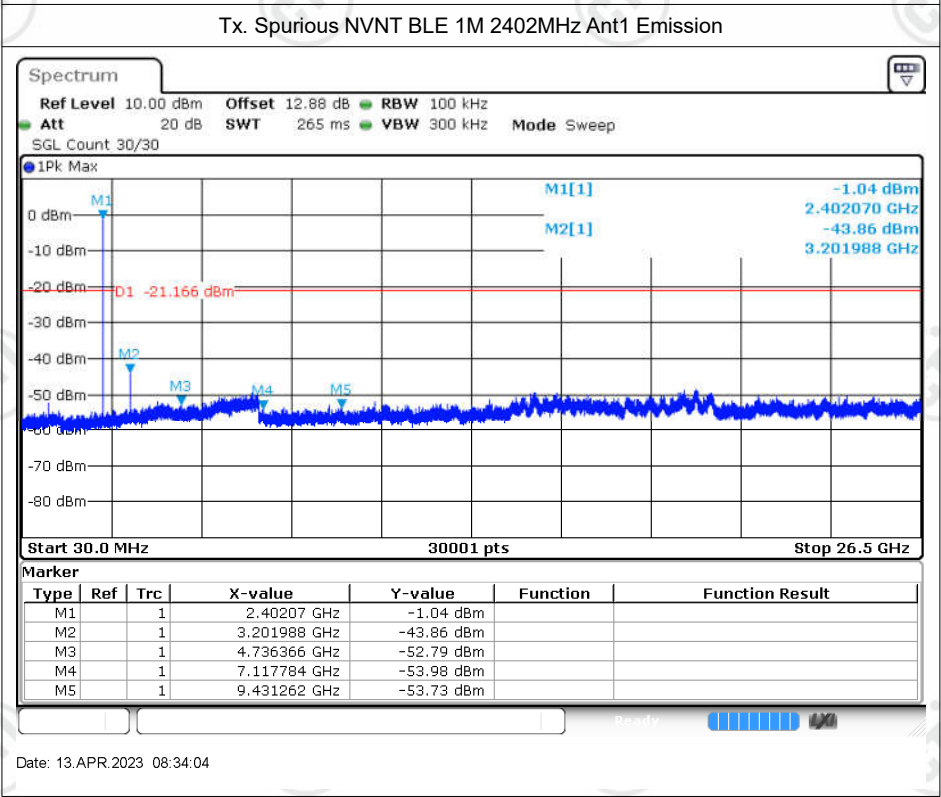


Conducted RF Spurious Emission

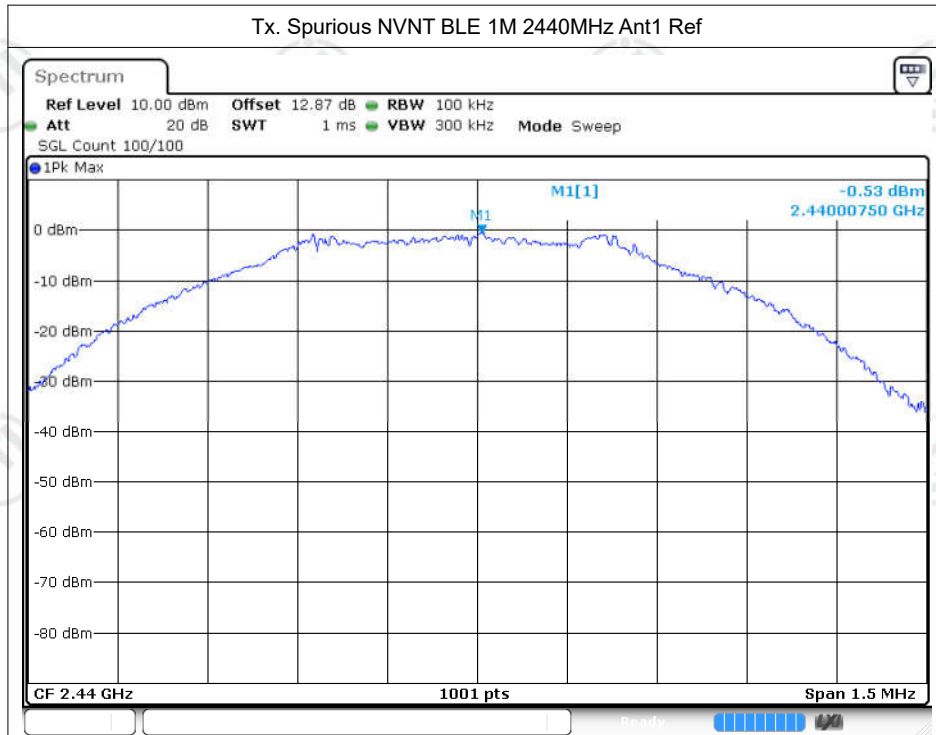
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE 1M	2402	Ant1	-42.68	-20	Pass
NVNT	BLE 1M	2440	Ant1	-43.9	-20	Pass
NVNT	BLE 1M	2480	Ant1	-45.01	-20	Pass



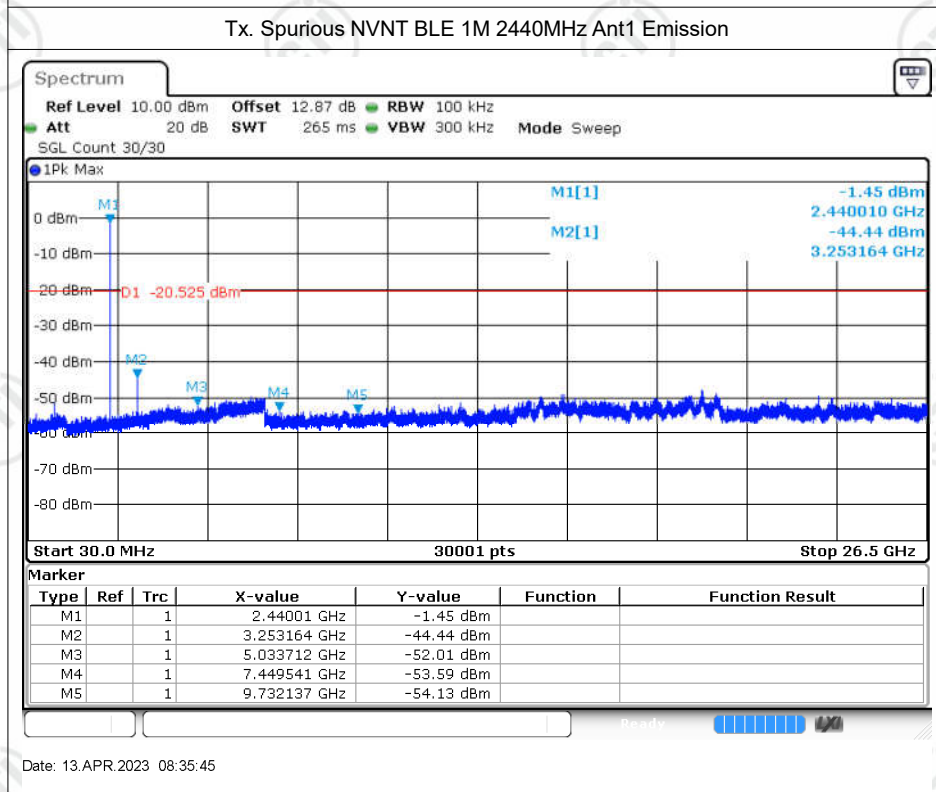
Date: 13.APR.2023 08:33:35



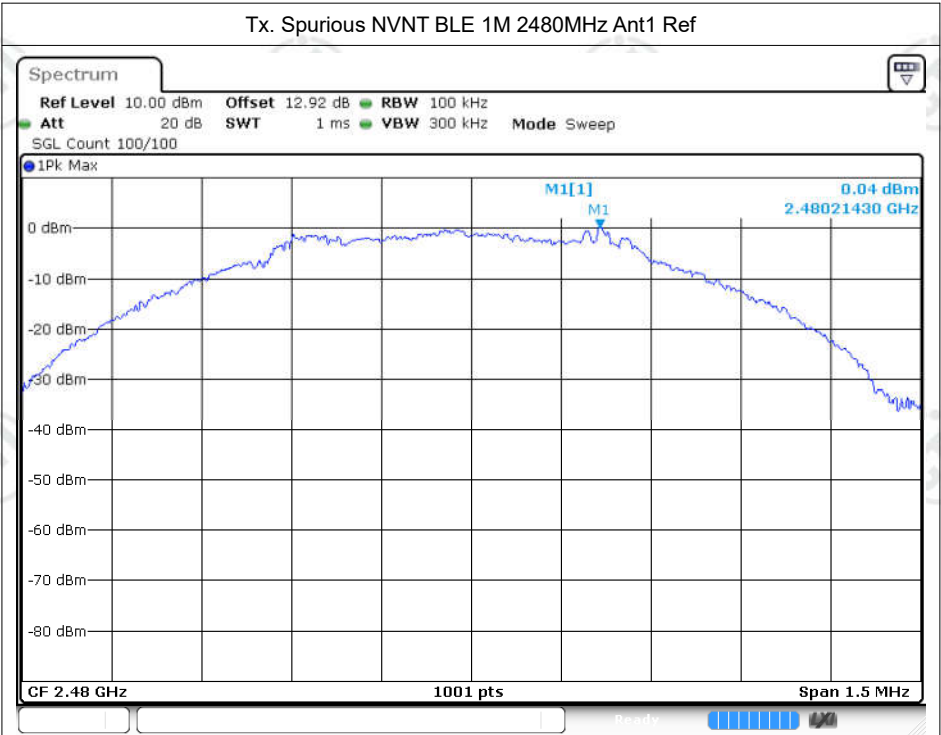
Date: 13.APR.2023 08:34:04



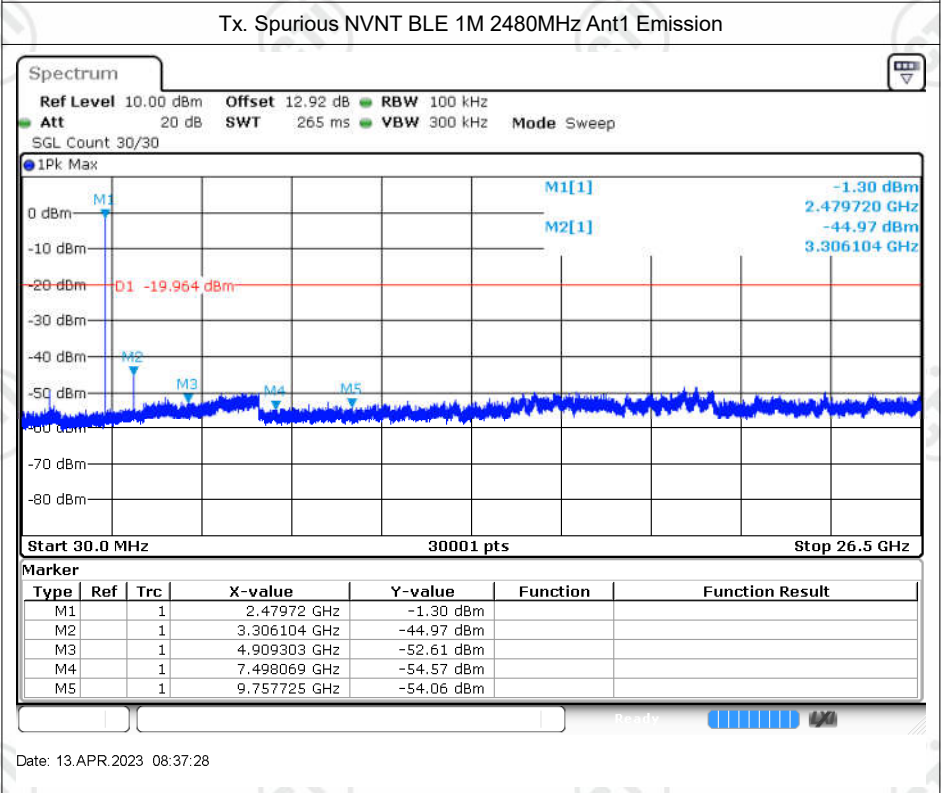
Date: 13.APR.2023 08:35:16



Date: 13.APR.2023 08:35:45



Date: 13.APR.2023 08:36:59



*** End of Report ***