

Appendix: Bluetooth LE

Contents

Contents 2

Duty Cycle 3

Maximum Peak Conducted Output Power 6

-6dB Bandwidth 9

Occupied Channel Bandwidth 12

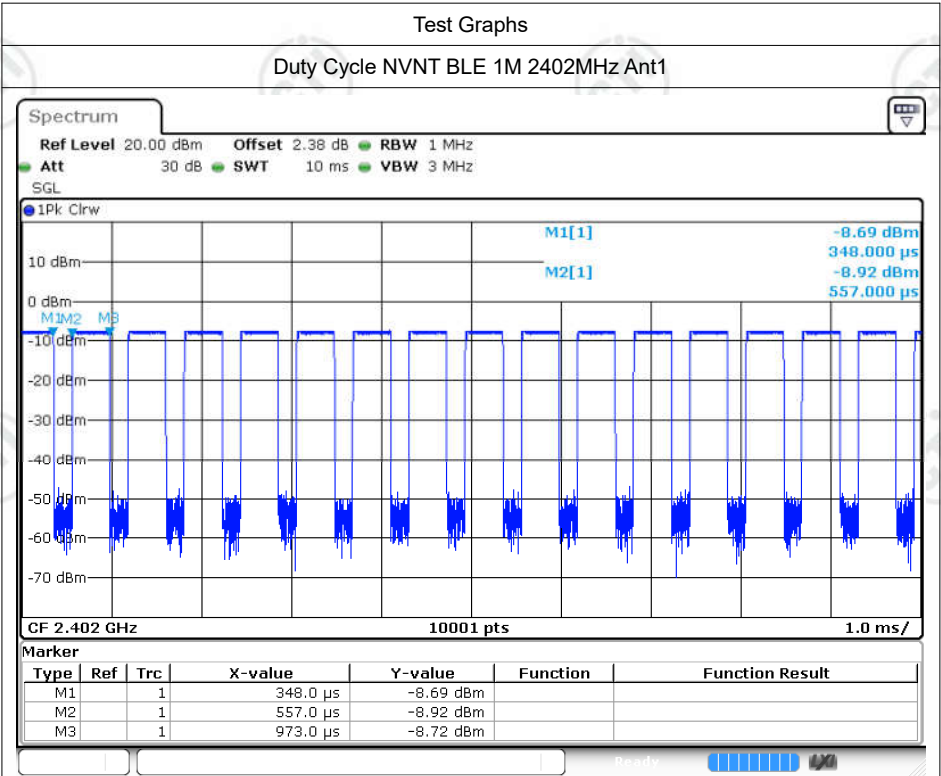
Maximum Power Spectral Density Level 15

Band Edge 18

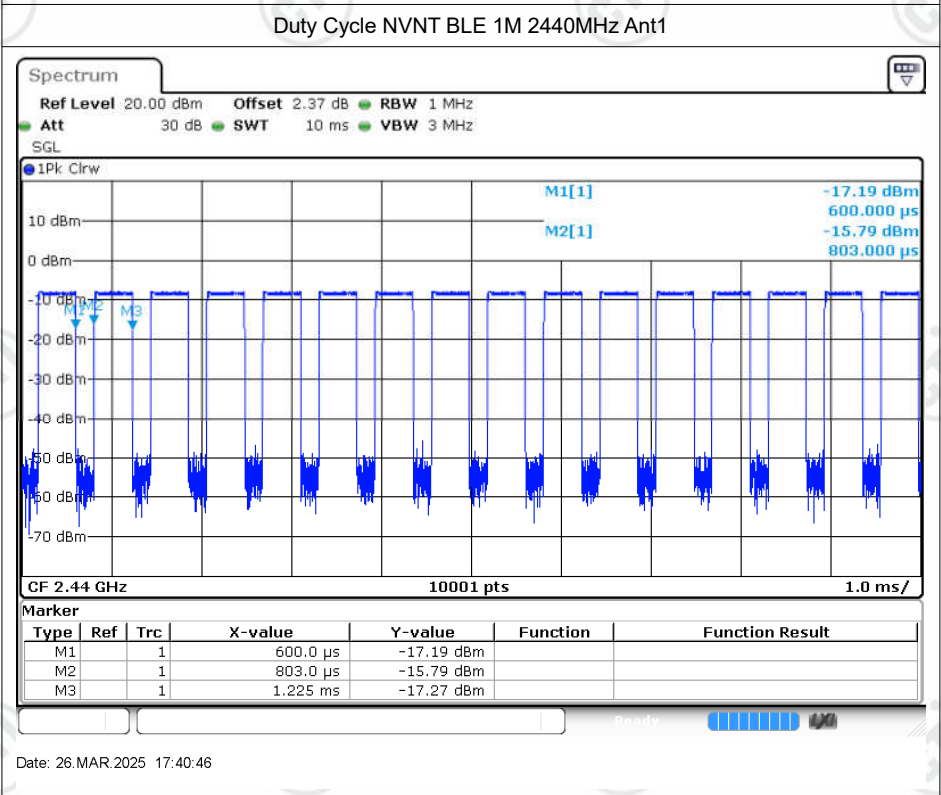
Conducted RF Spurious Emission 21

Duty Cycle

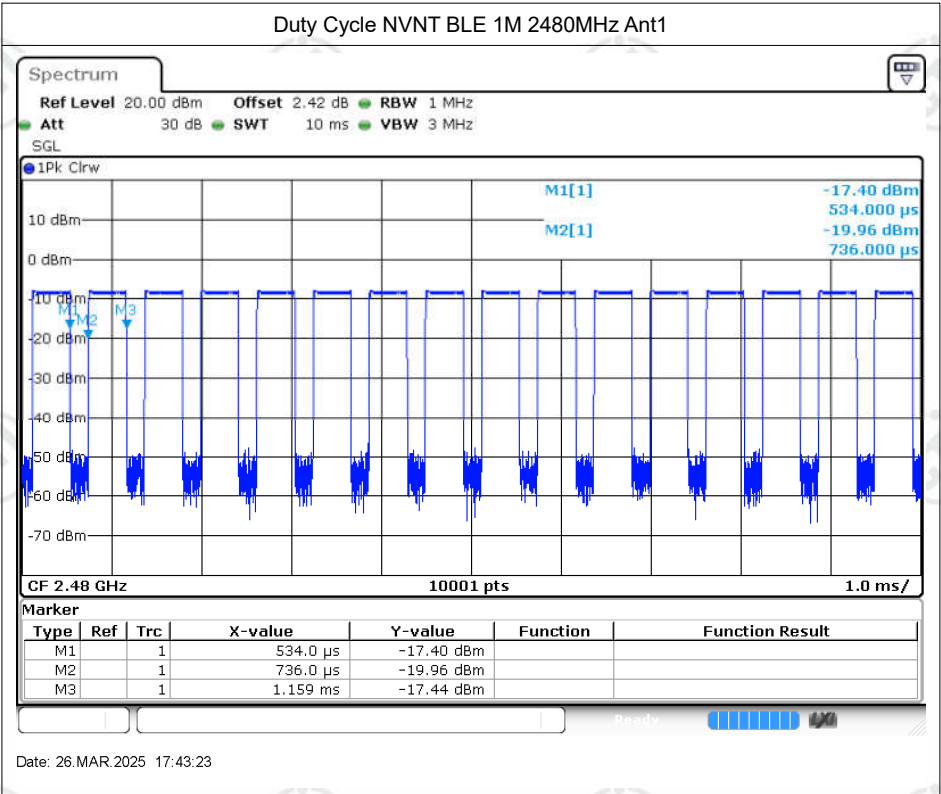
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	BLE 1M	2402	Ant1	66.56	1.77	2.4
NVNT	BLE 1M	2440	Ant1	67.52	1.71	2.37
NVNT	BLE 1M	2480	Ant1	67.68	1.7	2.36



Date: 26.MAR.2025 17:38:08

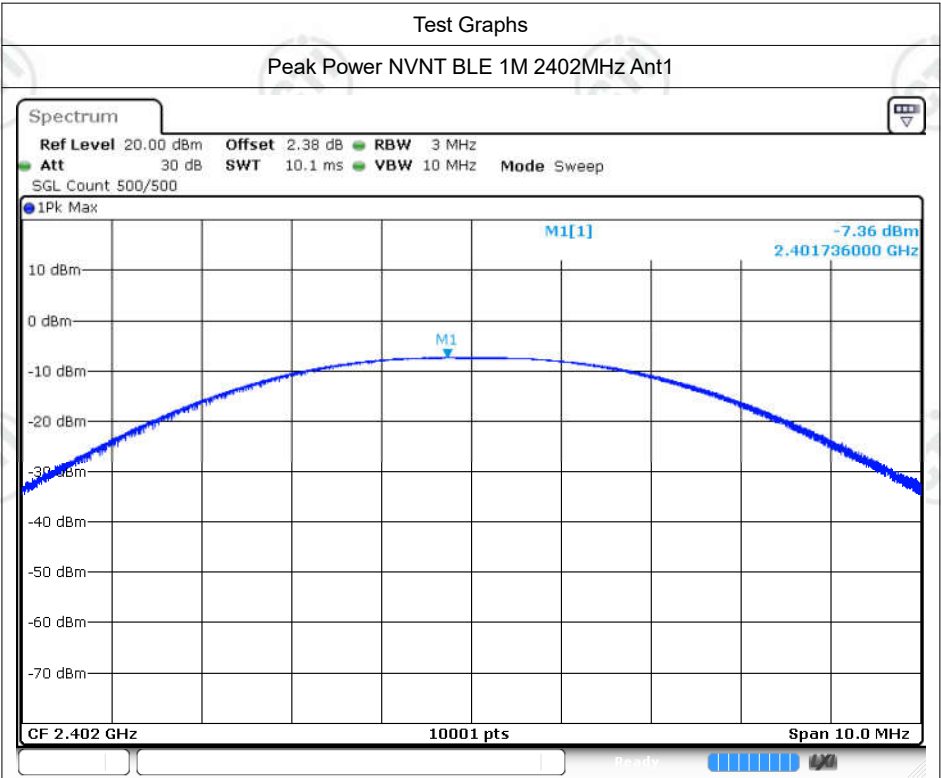


Date: 26.MAR.2025 17:40:46

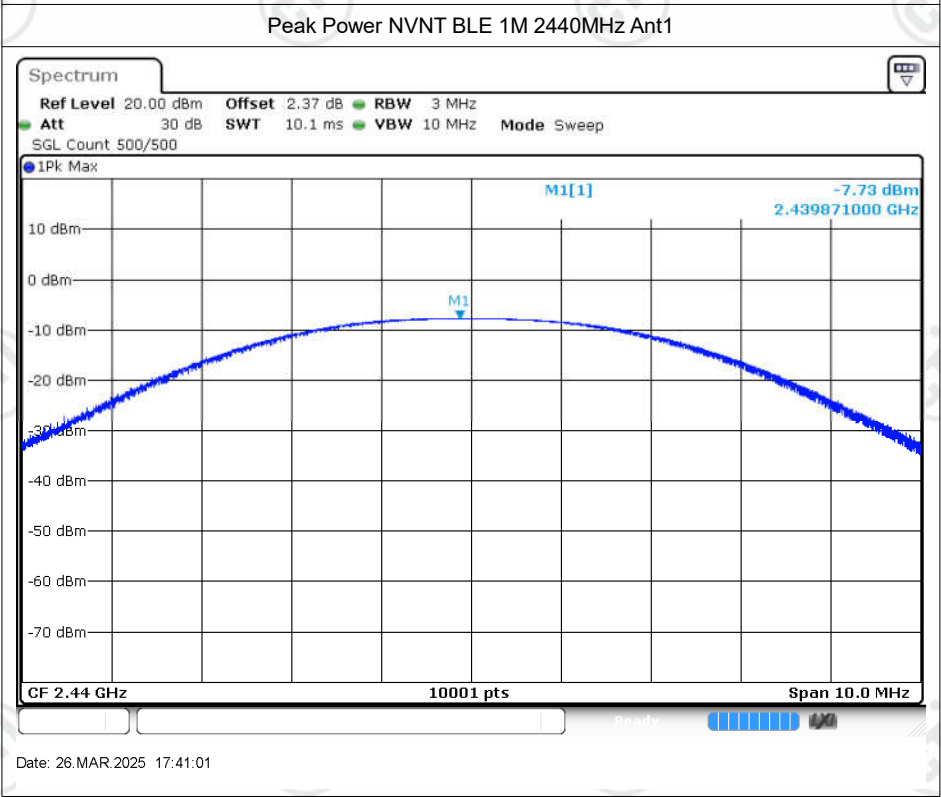


Maximum Peak Conducted Output Power

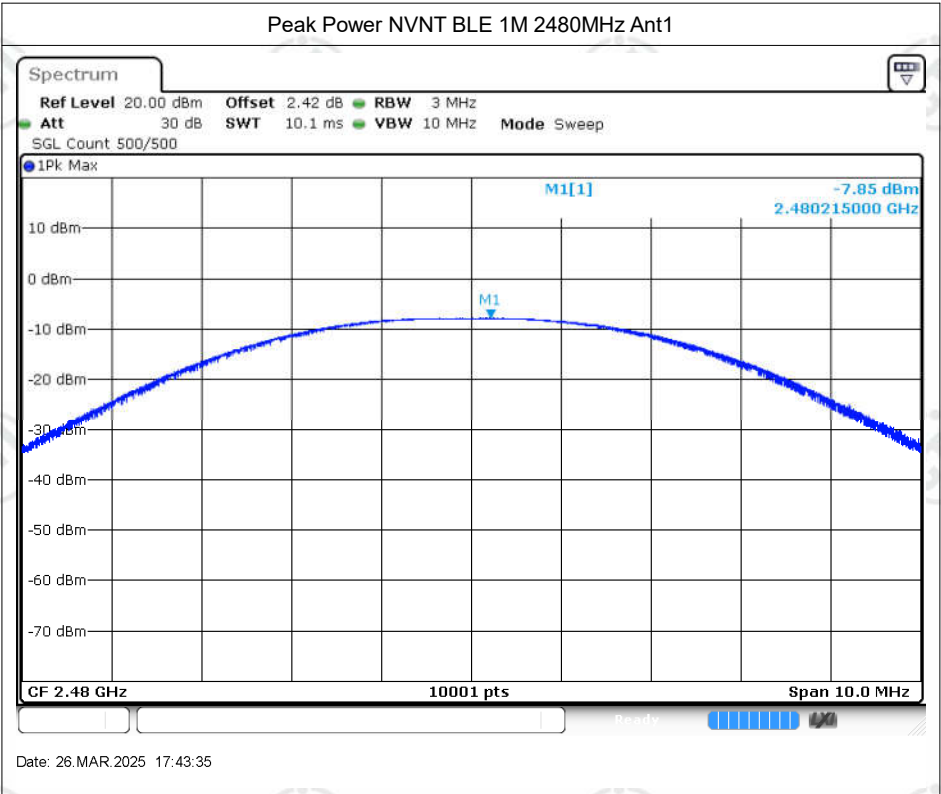
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	BLE 1M	2402	Ant1	-7.36	30	Pass
NVNT	BLE 1M	2440	Ant1	-7.73	30	Pass
NVNT	BLE 1M	2480	Ant1	-7.85	30	Pass



Date: 26.MAR.2025 17:38:00

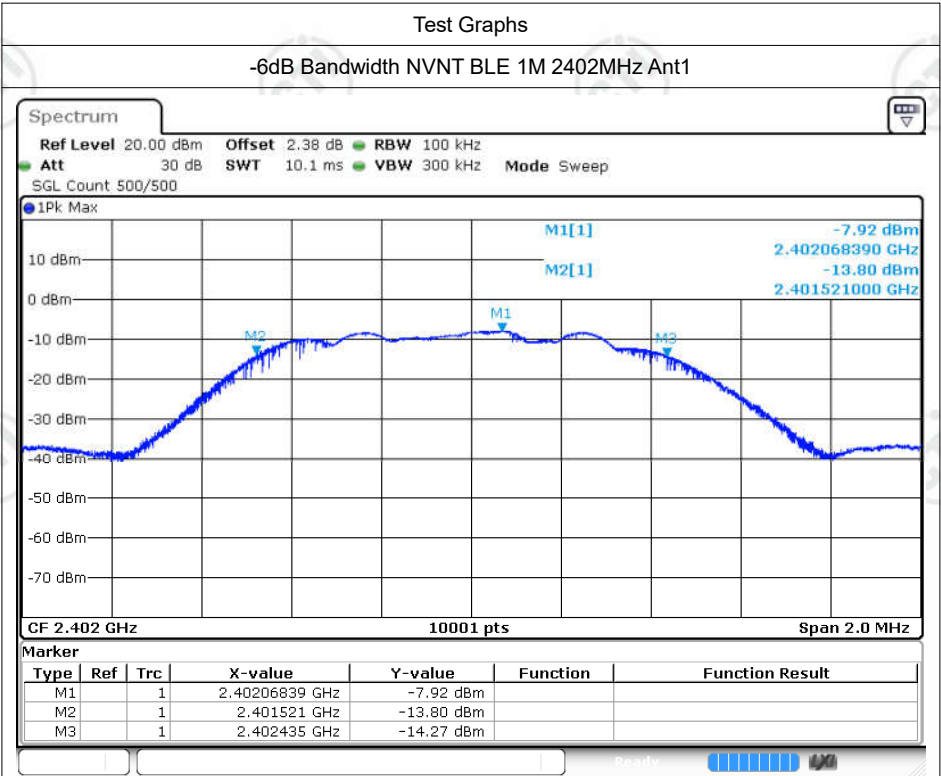


Date: 26.MAR.2025 17:41:01

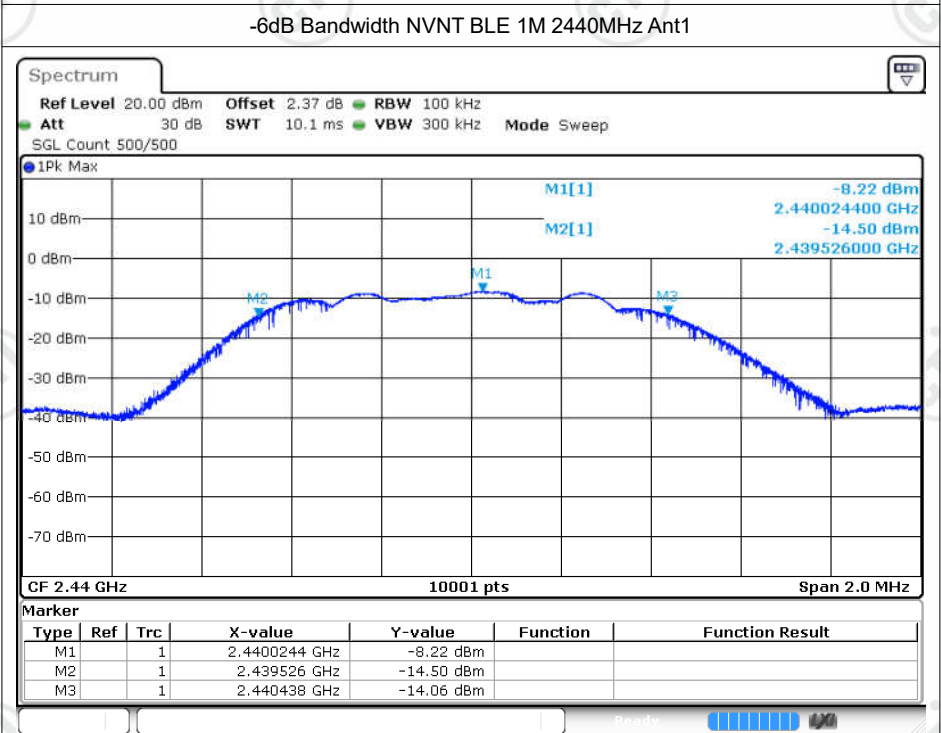


-6dB Bandwidth

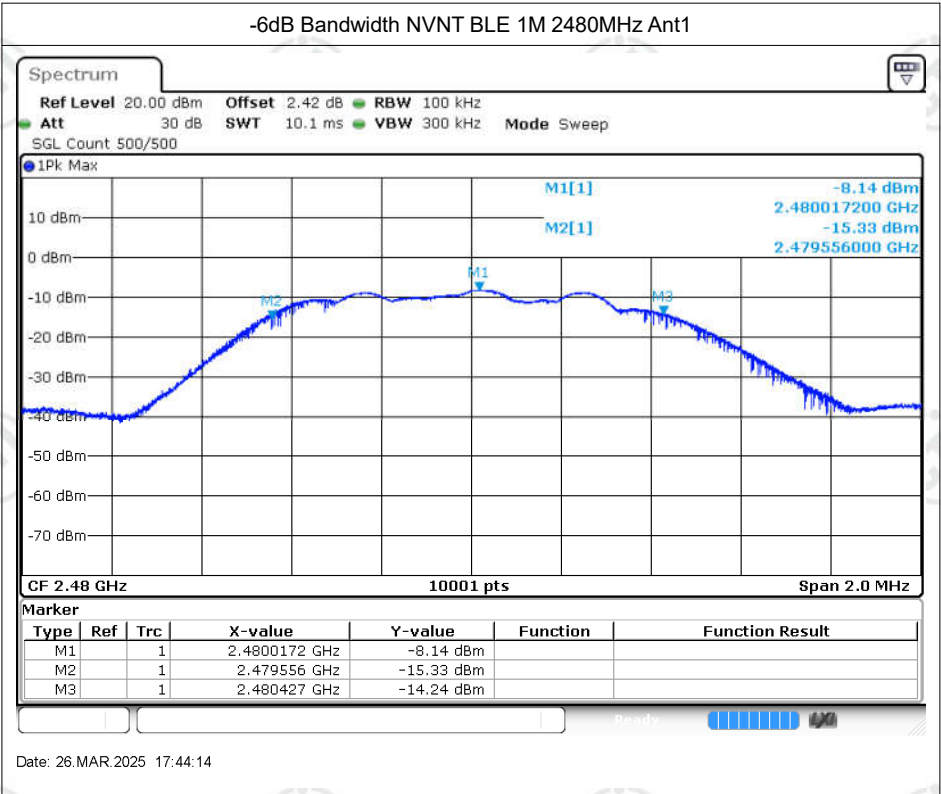
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	BLE 1M	2402	Ant1	0.914	0.5	Pass
NVNT	BLE 1M	2440	Ant1	0.912	0.5	Pass
NVNT	BLE 1M	2480	Ant1	0.87	0.5	Pass



Date: 26.MAR.2025 17:38:36

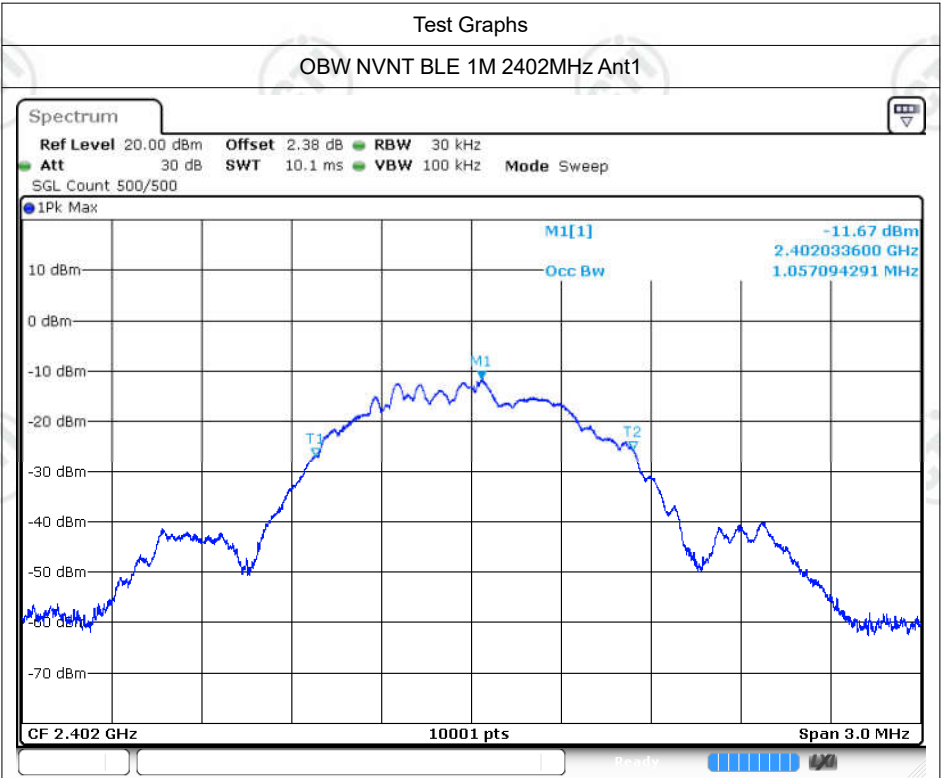


Date: 26.MAR.2025 17:41:48

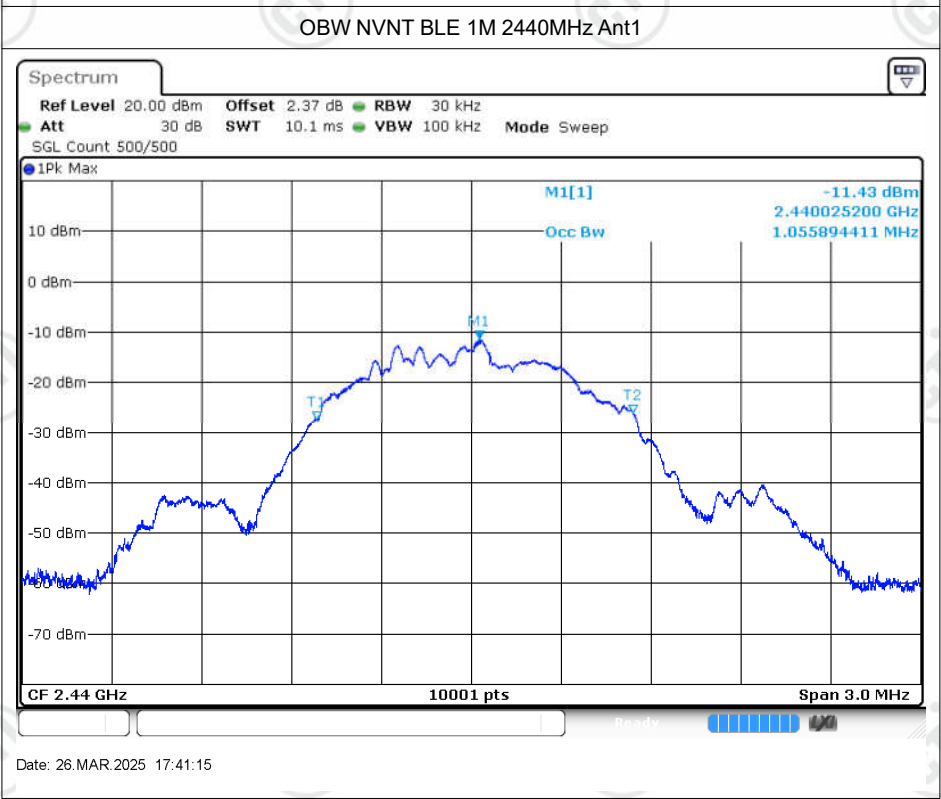


Occupied Channel Bandwidth

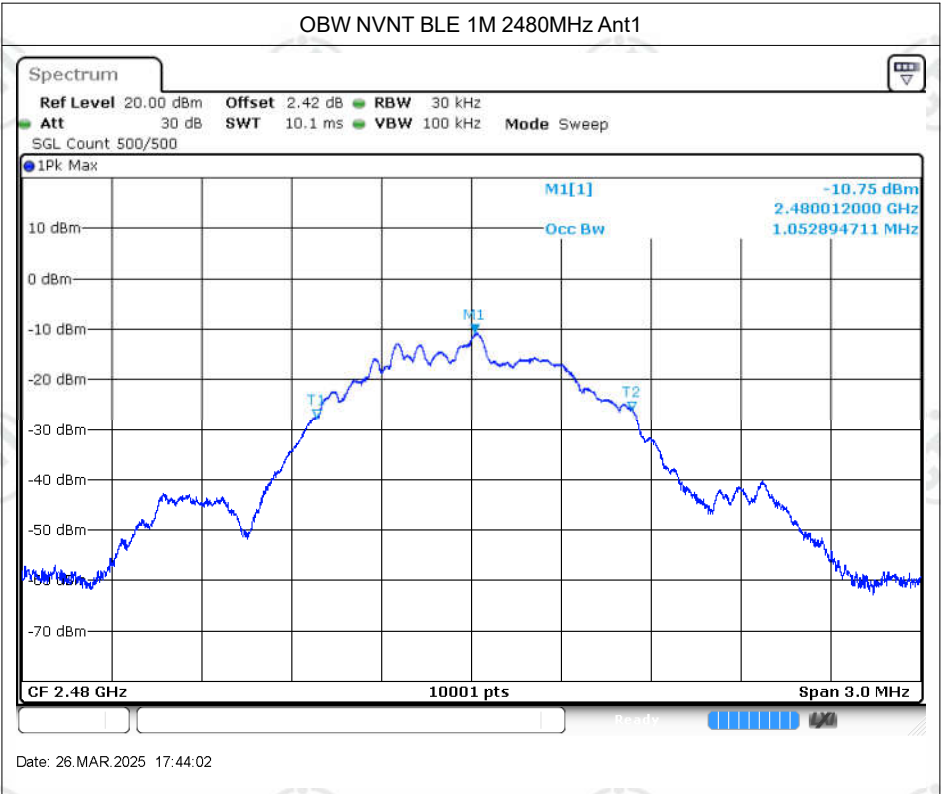
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	BLE 1M	2402	Ant1	1.057
NVNT	BLE 1M	2440	Ant1	1.056
NVNT	BLE 1M	2480	Ant1	1.053



Date: 26.MAR.2025 17:38:24

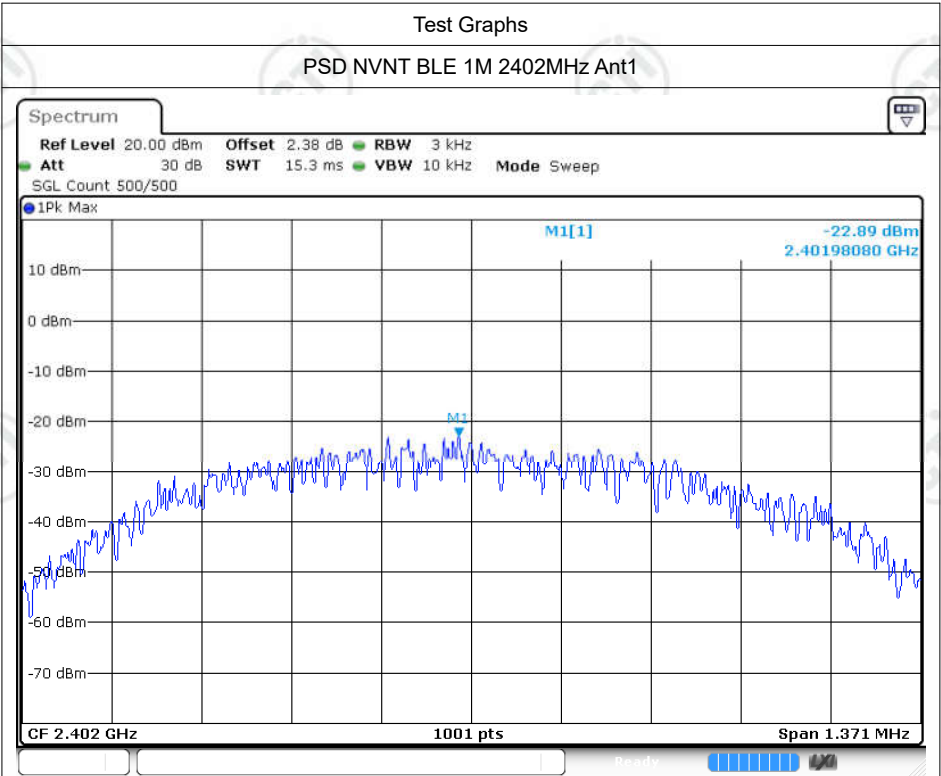


Date: 26.MAR.2025 17:41:15

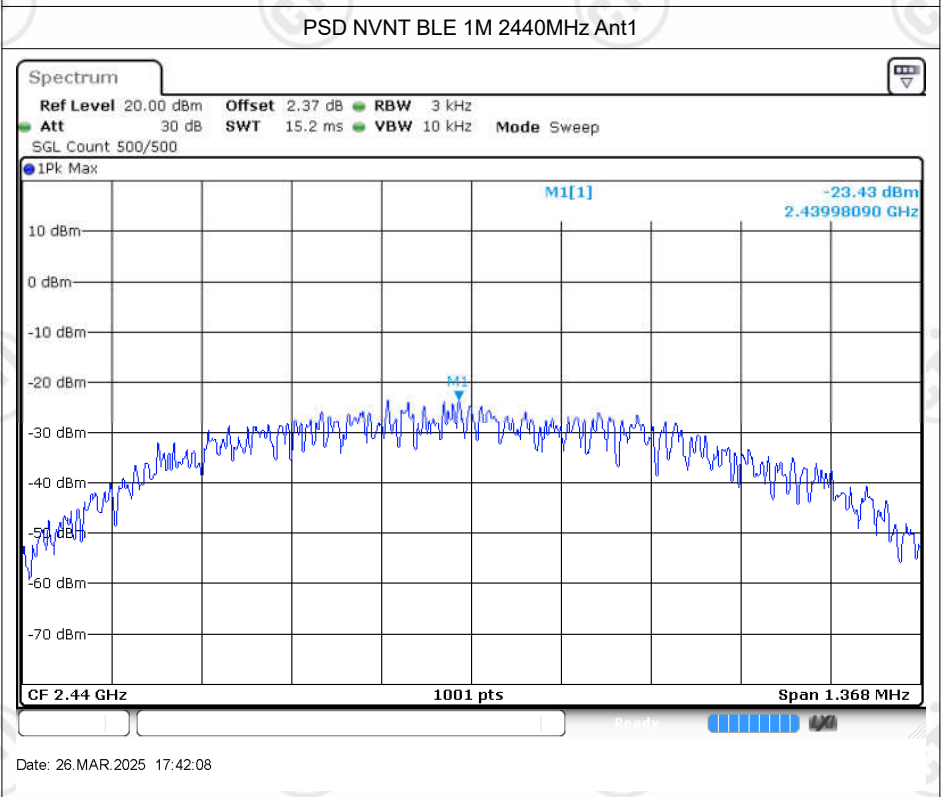


Maximum Power Spectral Density Level

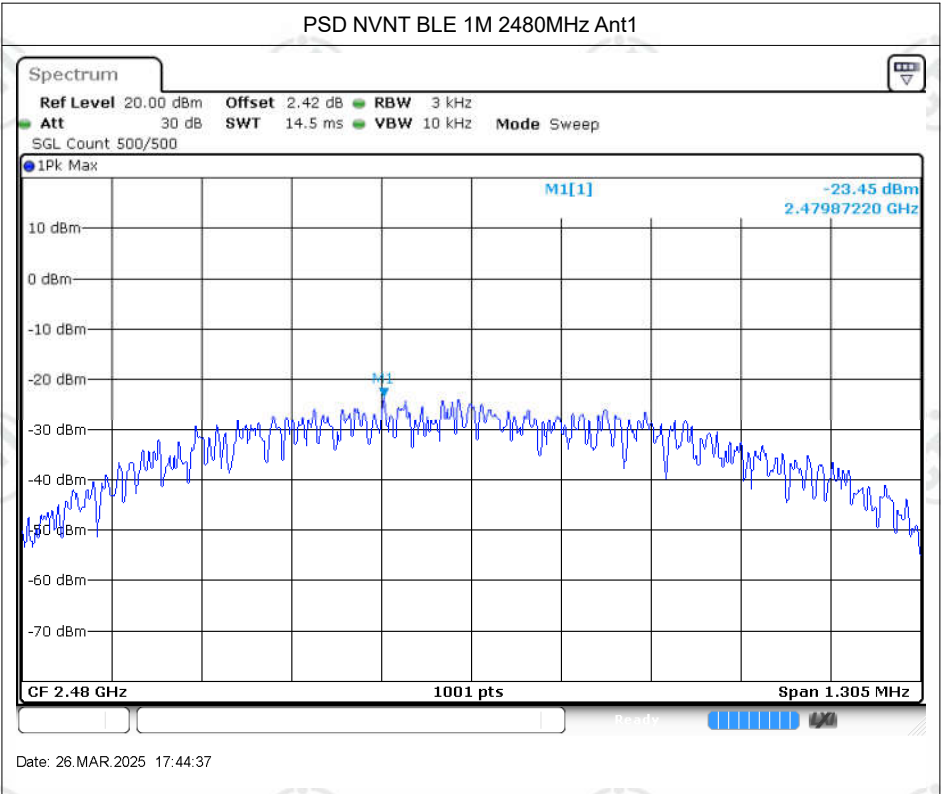
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
NVNT	BLE 1M	2402	Ant1	-22.89	8	Pass
NVNT	BLE 1M	2440	Ant1	-23.43	8	Pass
NVNT	BLE 1M	2480	Ant1	-23.45	8	Pass



Date: 26.MAR.2025 17:39:20

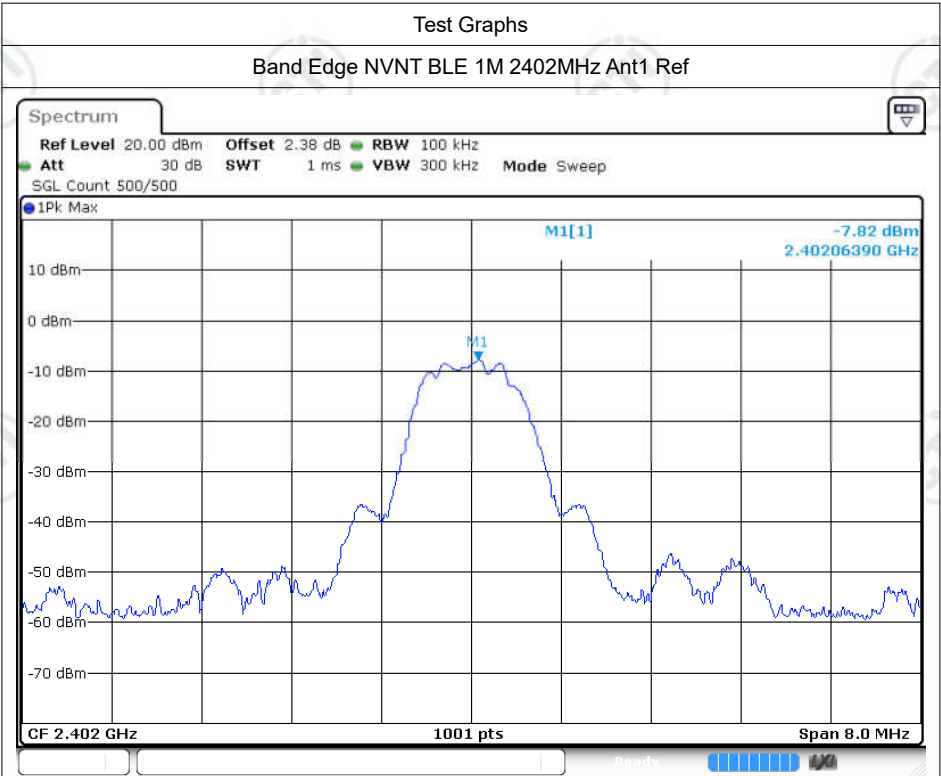


Date: 26.MAR.2025 17:42:08

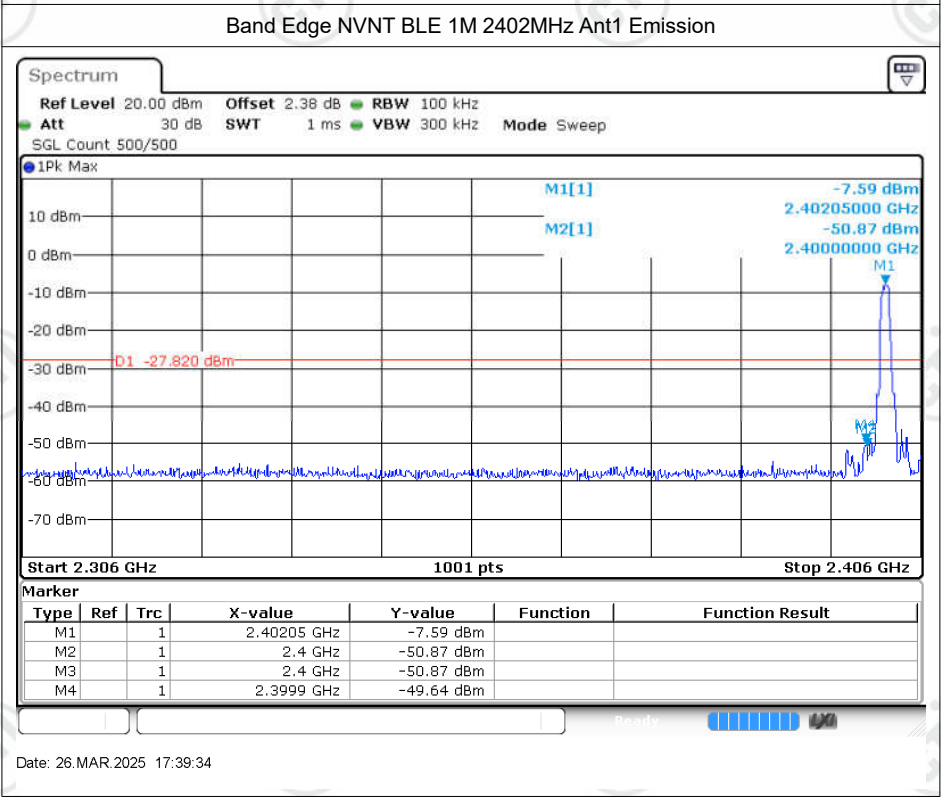


Band Edge

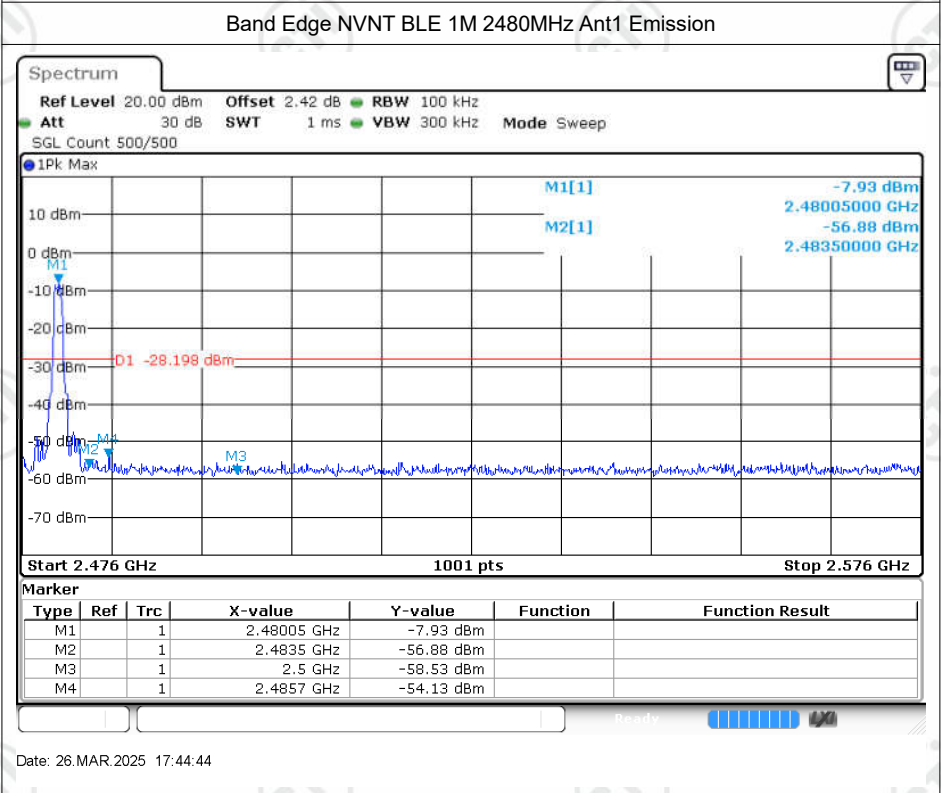
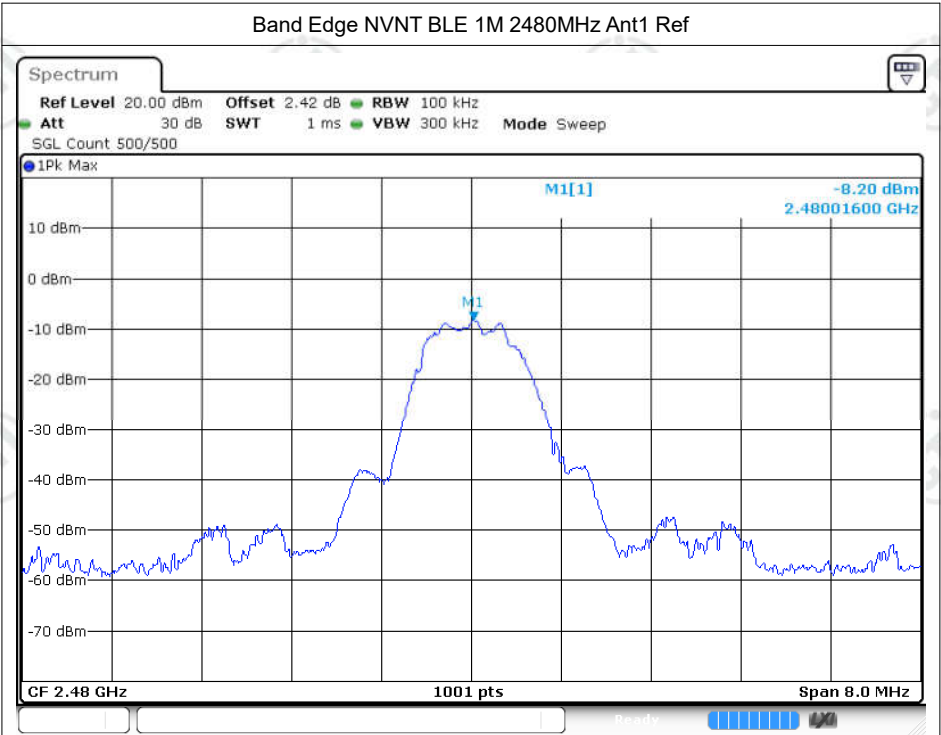
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE 1M	2402	Ant1	-41.82	-20	Pass
NVNT	BLE 1M	2480	Ant1	-45.92	-20	Pass



Date: 26.MAR.2025 17:39:30

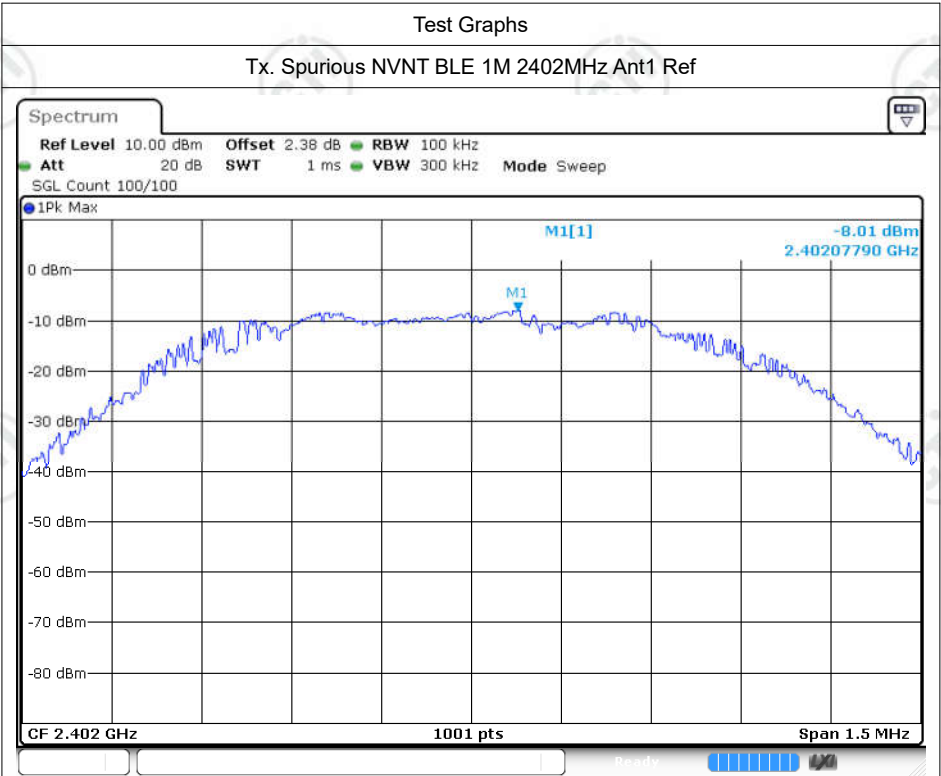


Date: 26.MAR.2025 17:39:34

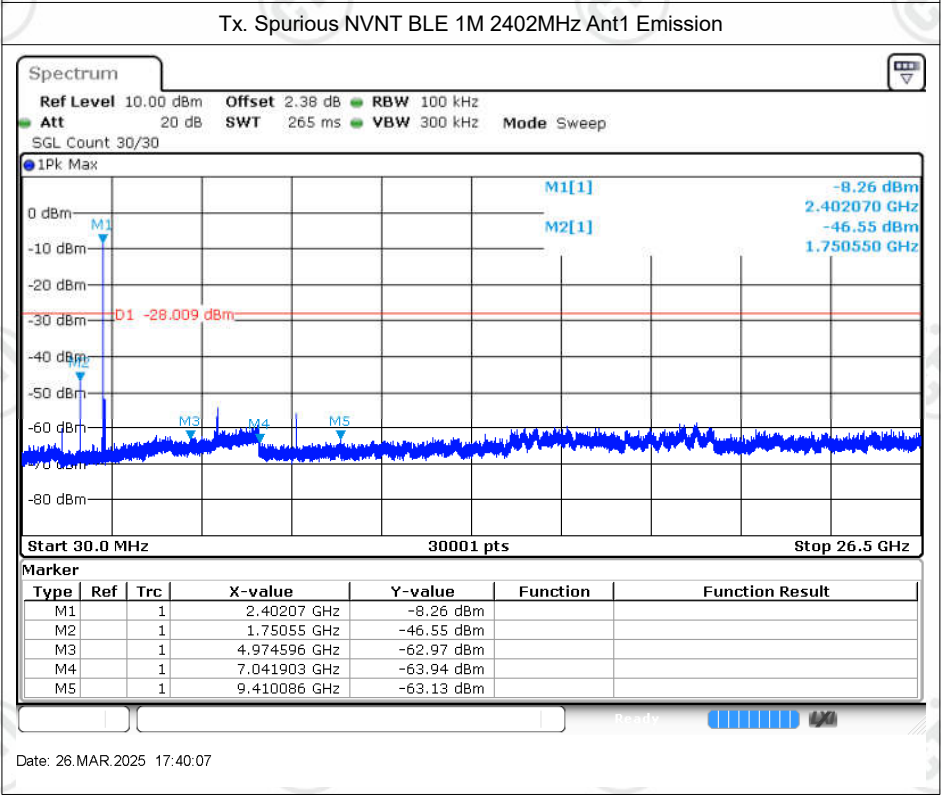


Conducted RF Spurious Emission

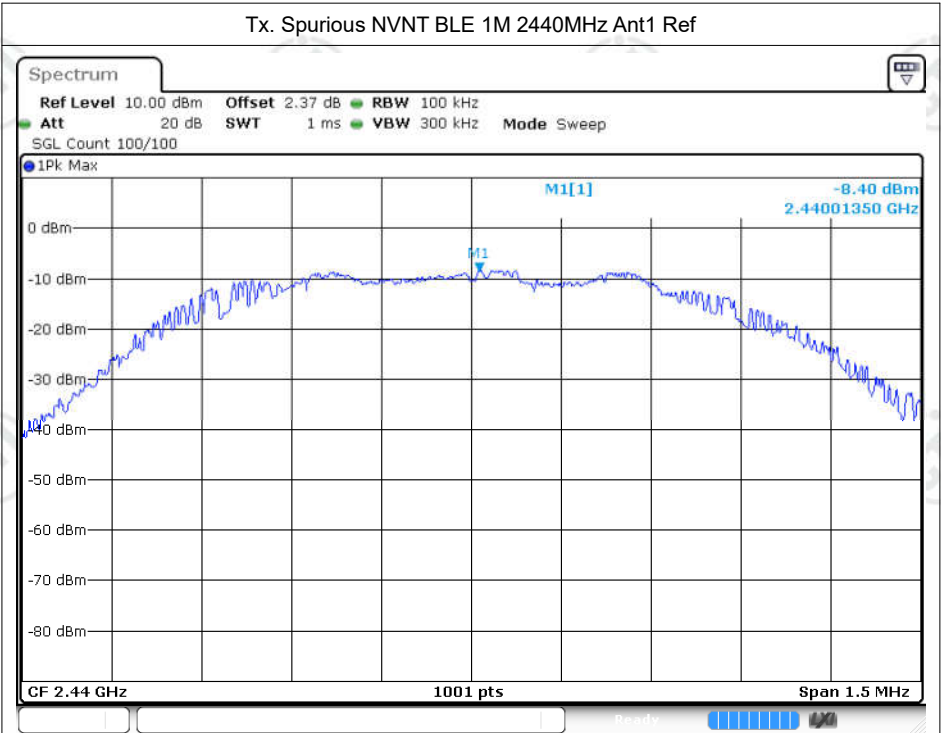
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE 1M	2402	Ant1	-38.54	-20	Pass
NVNT	BLE 1M	2440	Ant1	-41.86	-20	Pass
NVNT	BLE 1M	2480	Ant1	-42.45	-20	Pass



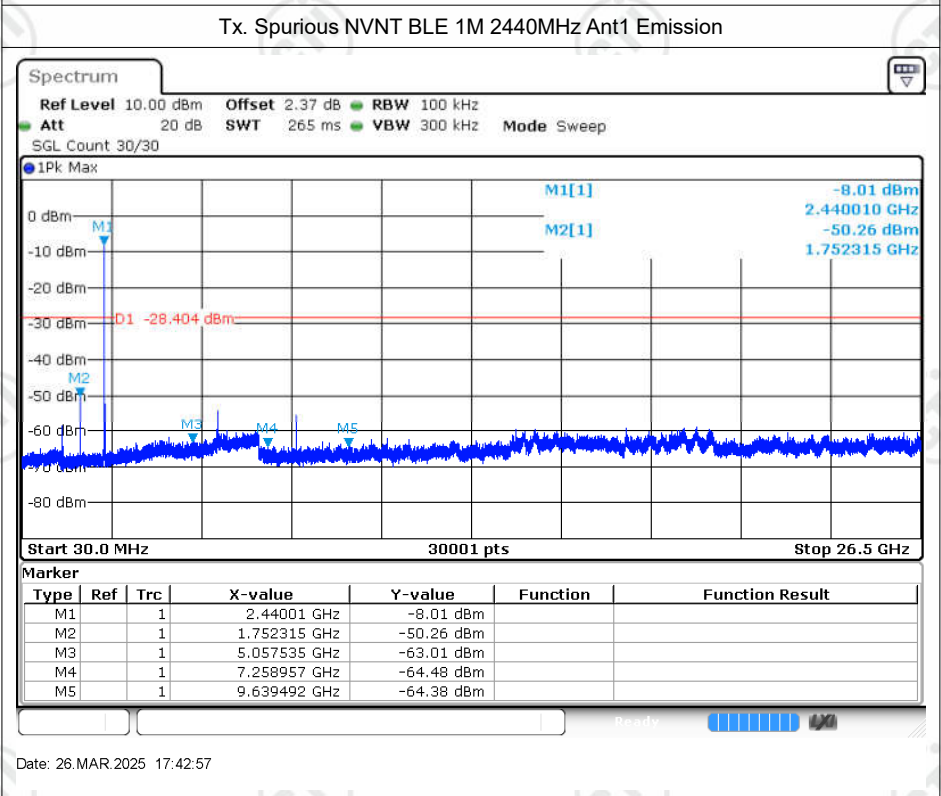
Date: 26.MAR.2025 17:39:38

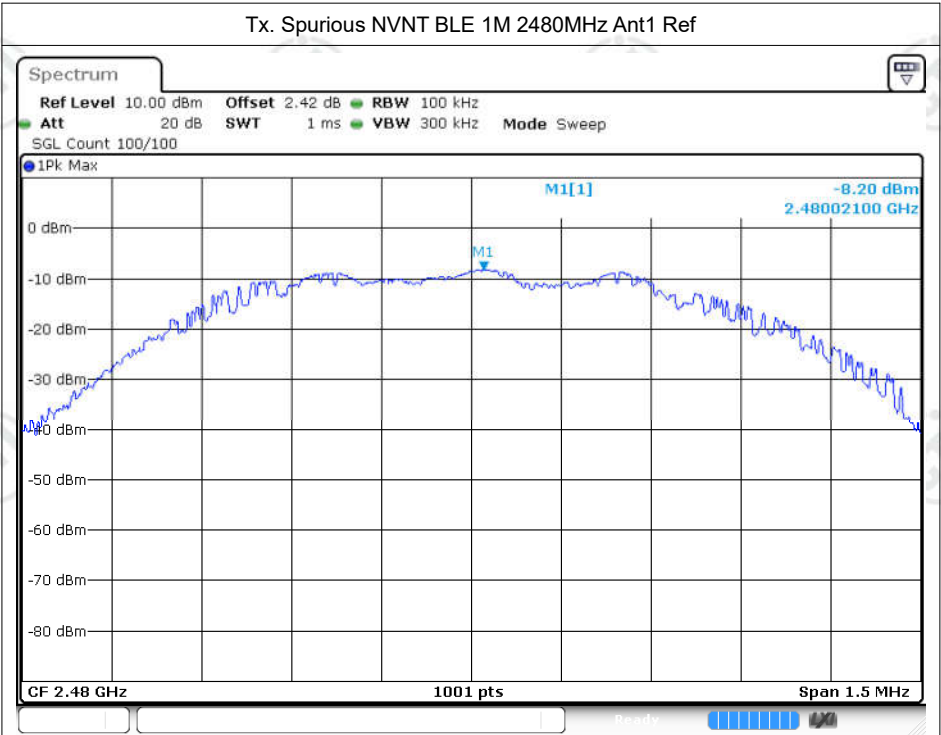


Date: 26.MAR.2025 17:40:07

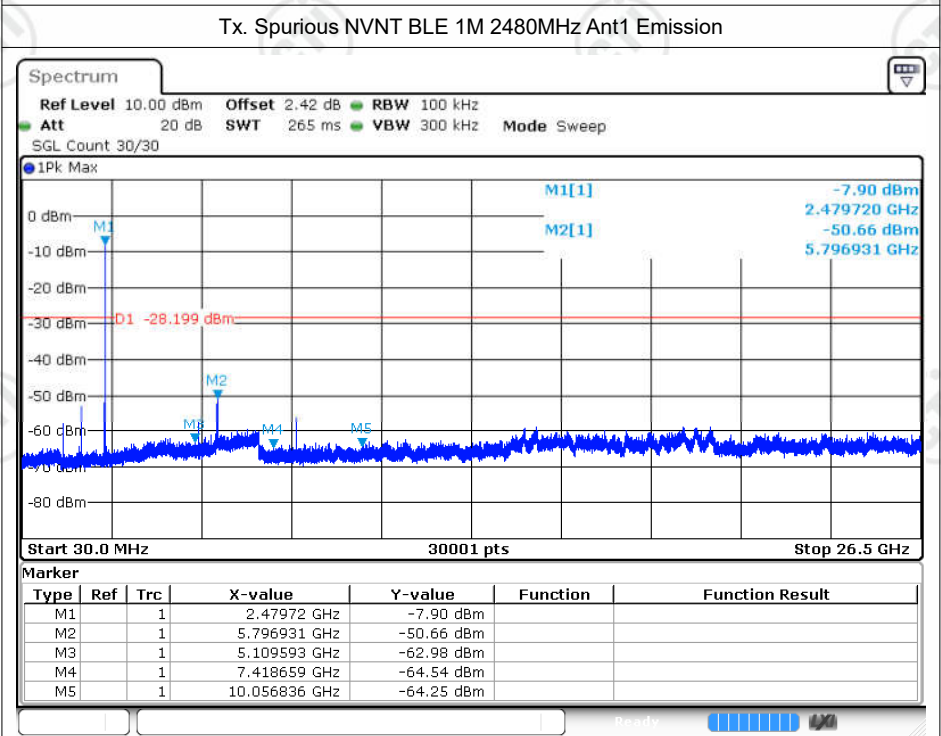


Date: 26.MAR.2025 17:42:28





Date: 26.MAR.2025 17:44:48



Date: 26.MAR.2025 17:45:17

*** End of Report ***