

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

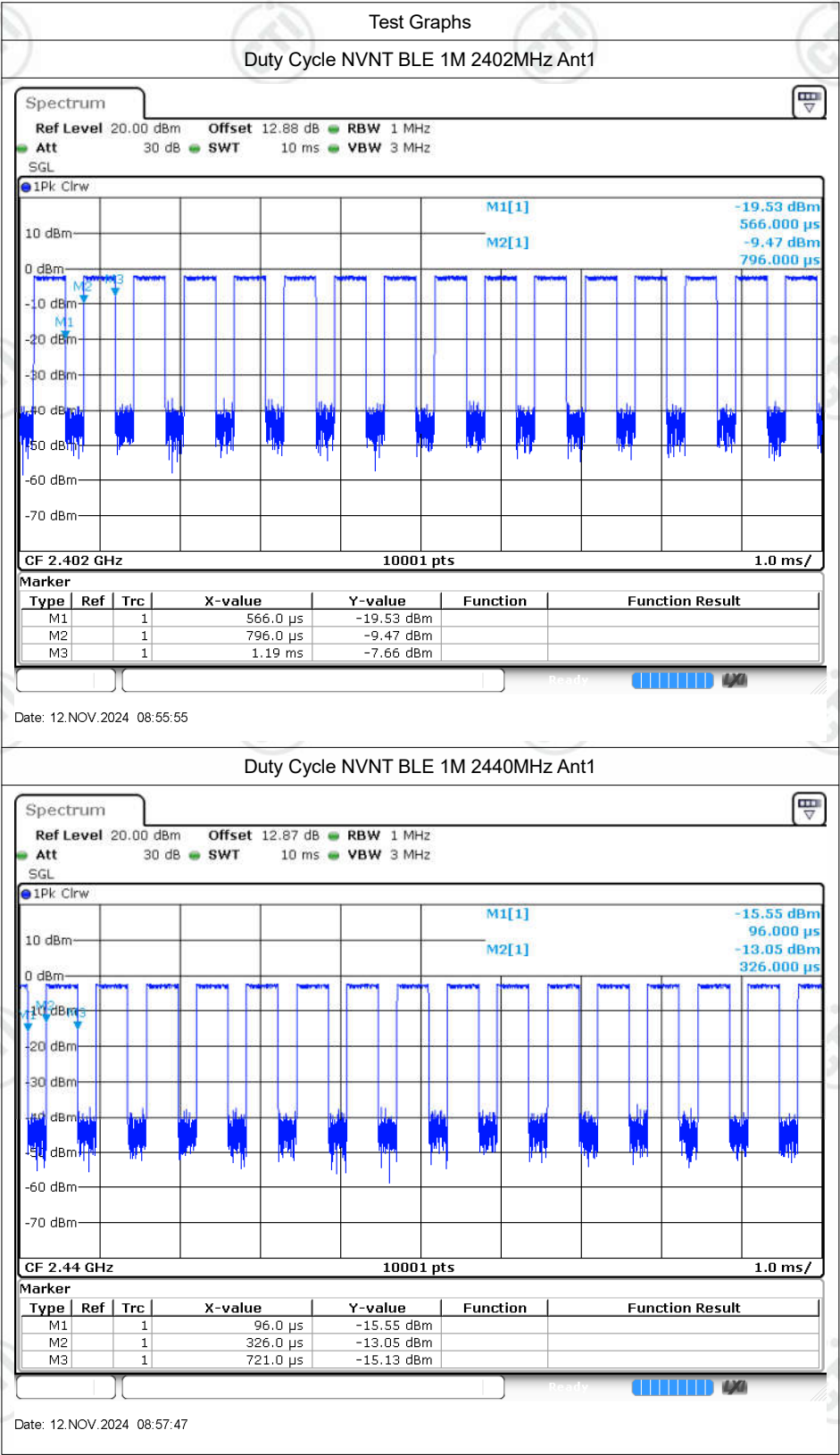
Band Edge 18

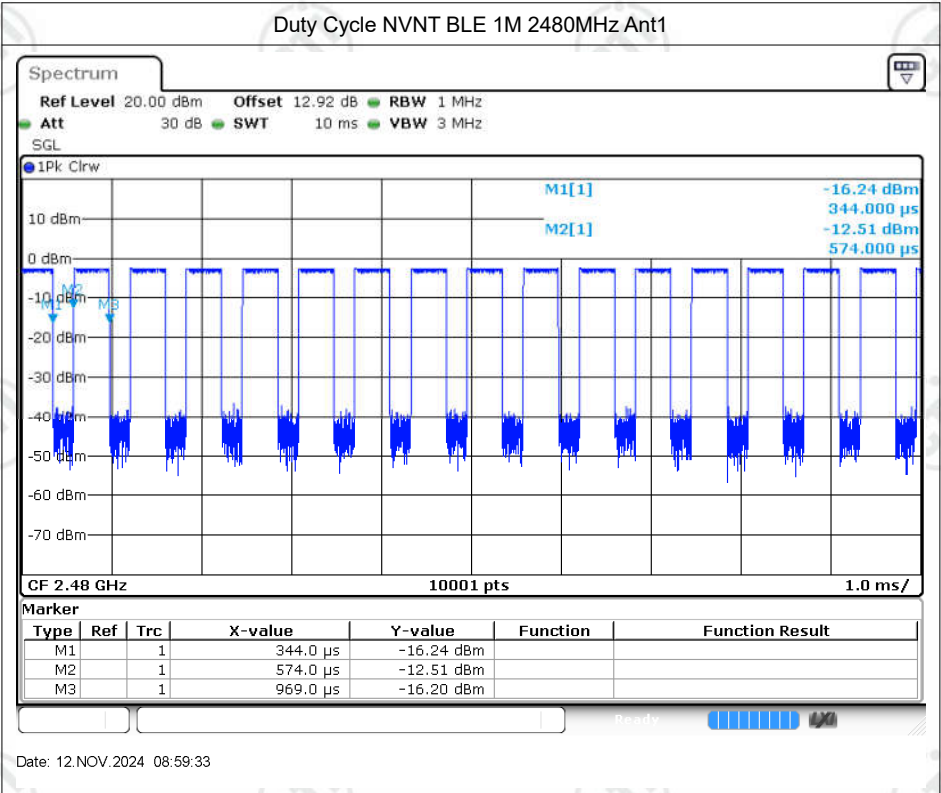
Conducted RF Spurious Emission 21

Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	1/T (kHz)
NVNT	BLE 1M	2402	Ant1	63.14	2	2.54
NVNT	BLE 1M	2440	Ant1	63.2	1.99	2.53
NVNT	BLE 1M	2480	Ant1	63.2	1.99	2.53

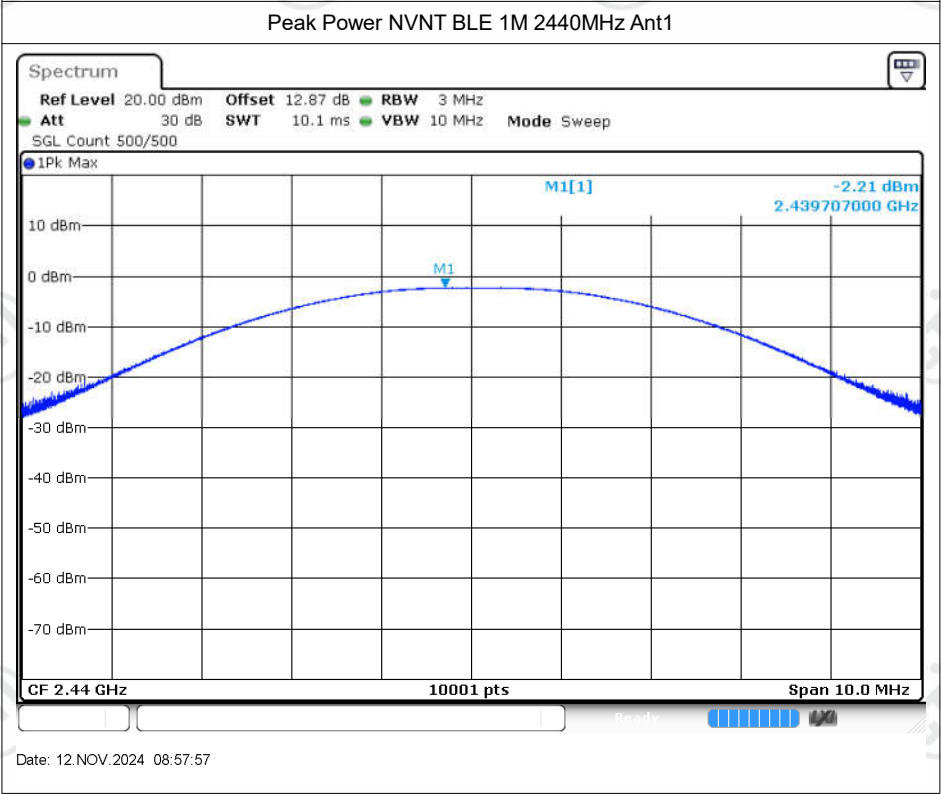
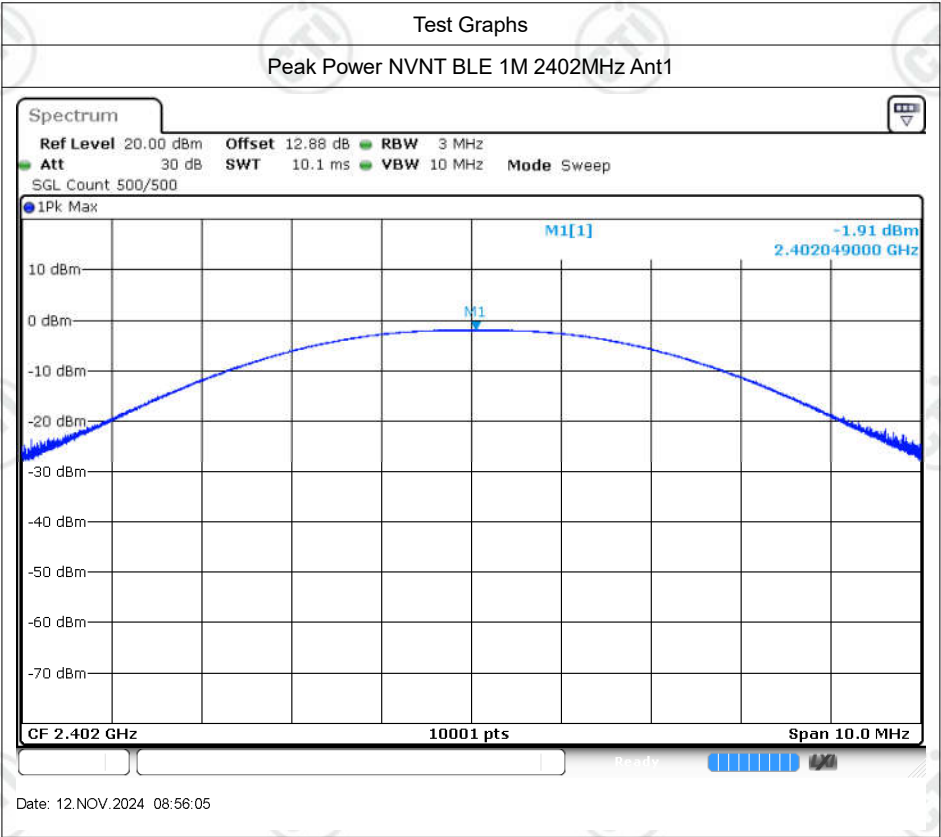
Note:Duty Cycle Correction Factor (dB)=-10*Ig(Duty Cycle);

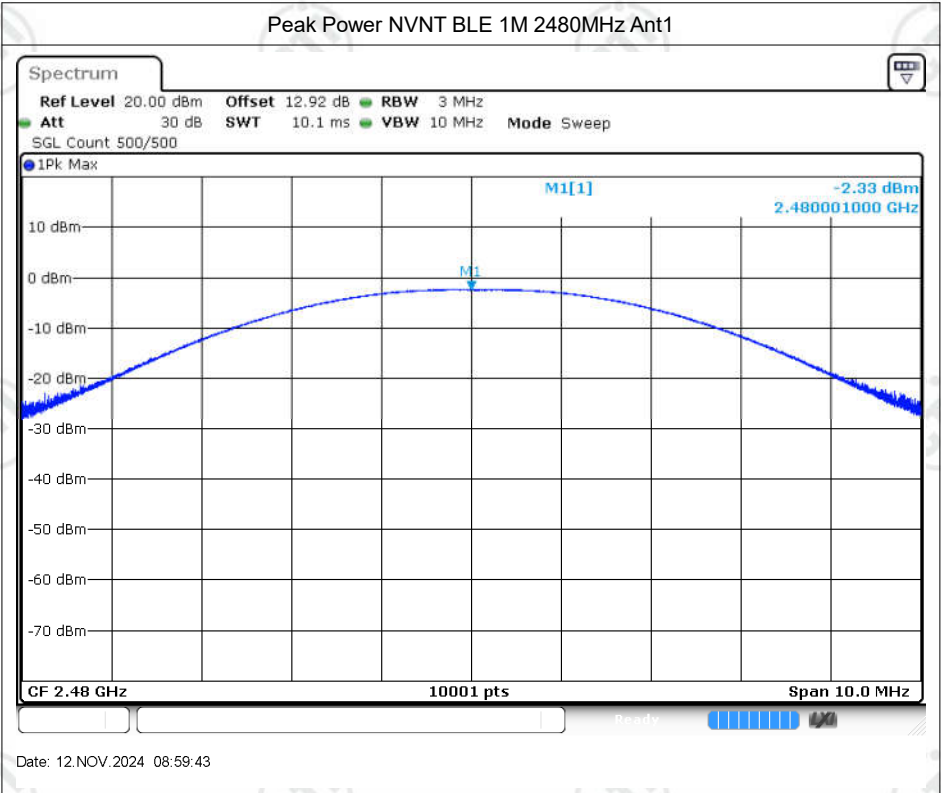




Maximum Peak Conducted Output Power

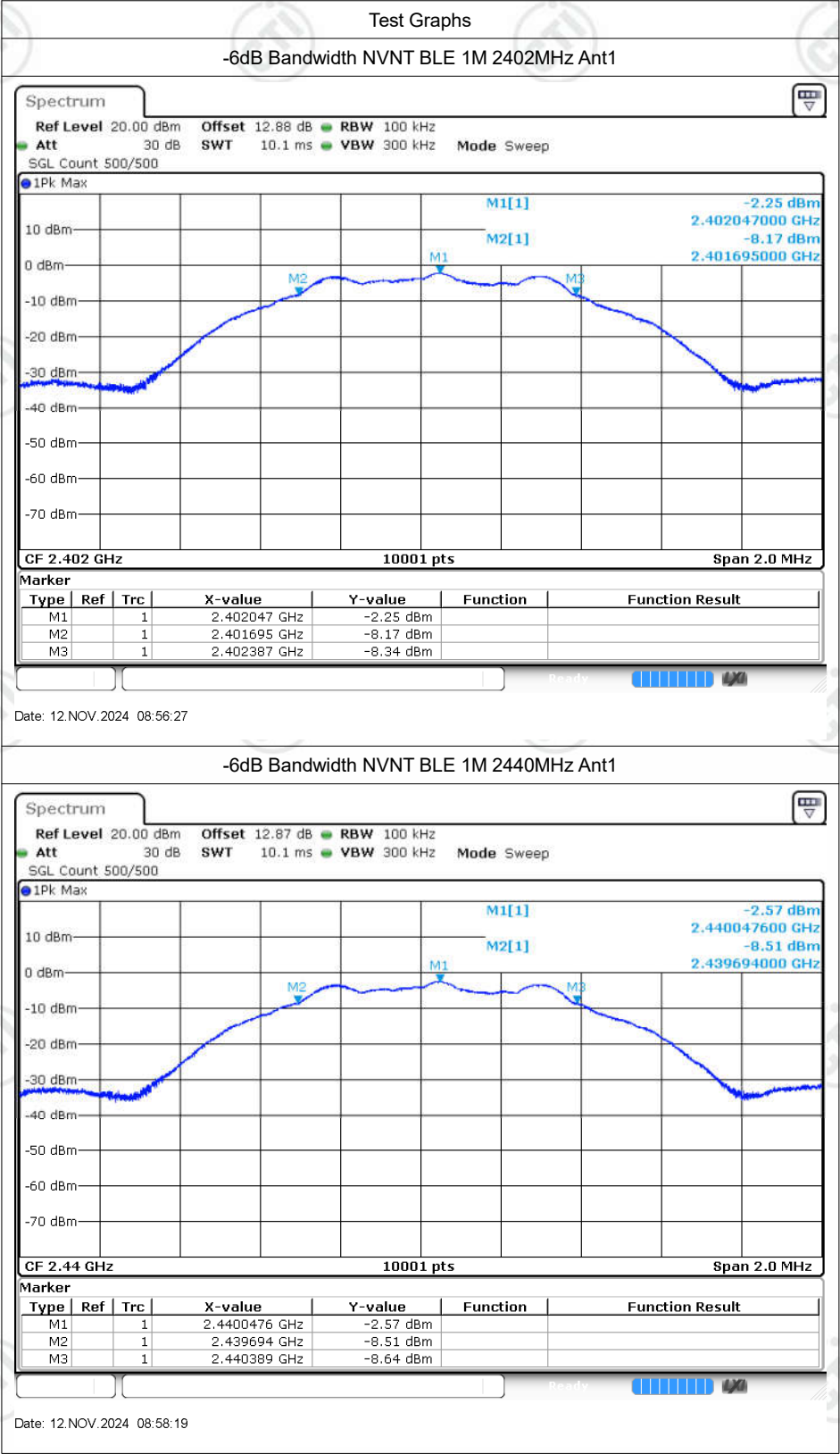
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	BLE 1M	2402	Ant1	-1.91	30	Pass
NVNT	BLE 1M	2440	Ant1	-2.21	30	Pass
NVNT	BLE 1M	2480	Ant1	-2.33	30	Pass

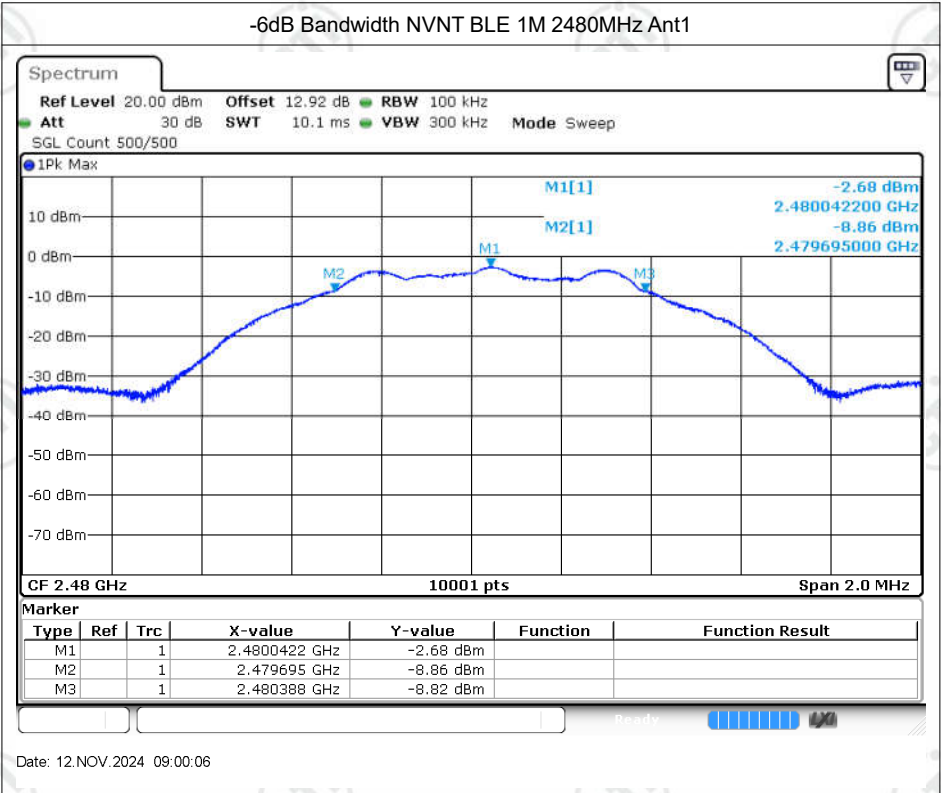




-6dB Bandwidth

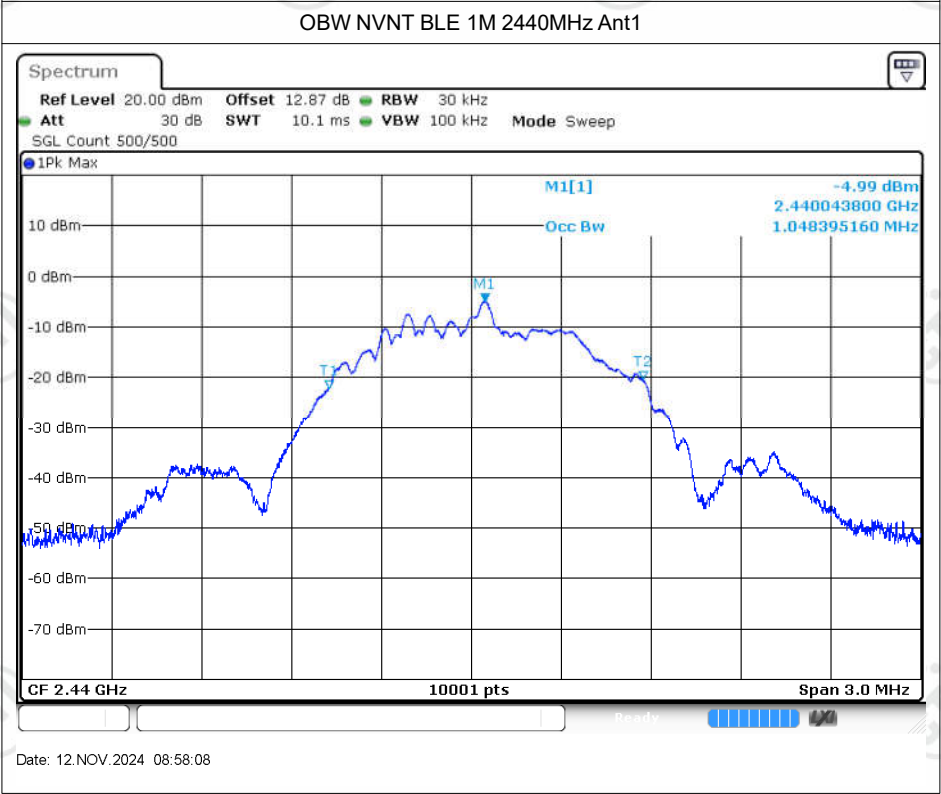
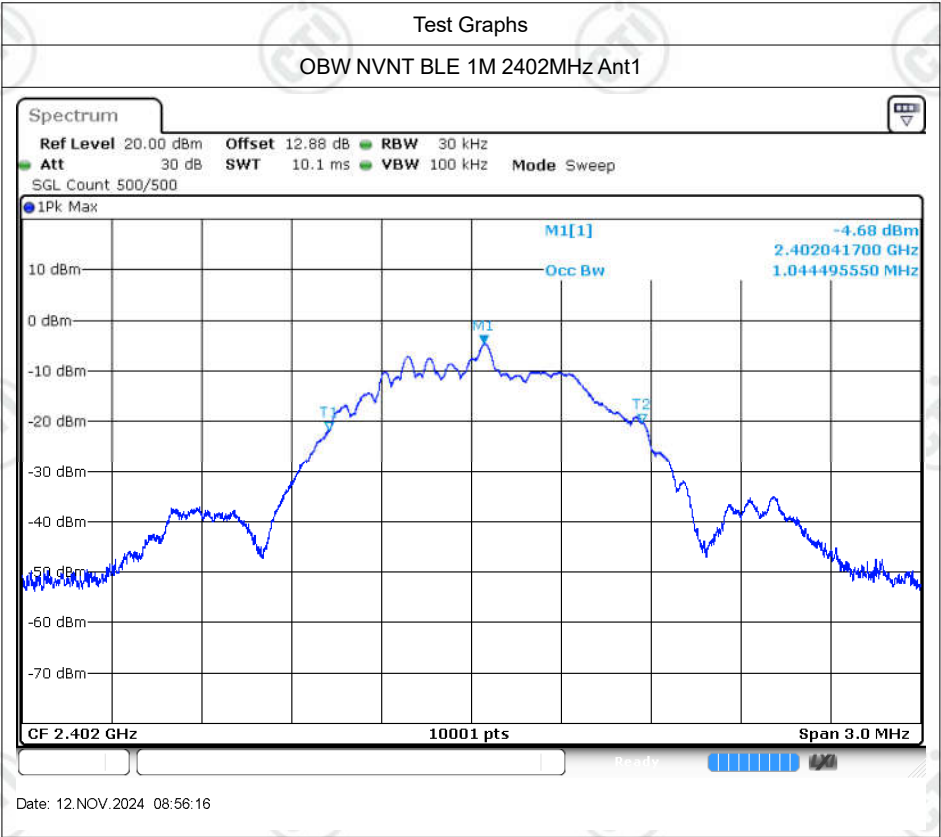
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	BLE 1M	2402	Ant1	0.693	0.5	Pass
NVNT	BLE 1M	2440	Ant1	0.696	0.5	Pass
NVNT	BLE 1M	2480	Ant1	0.692	0.5	Pass

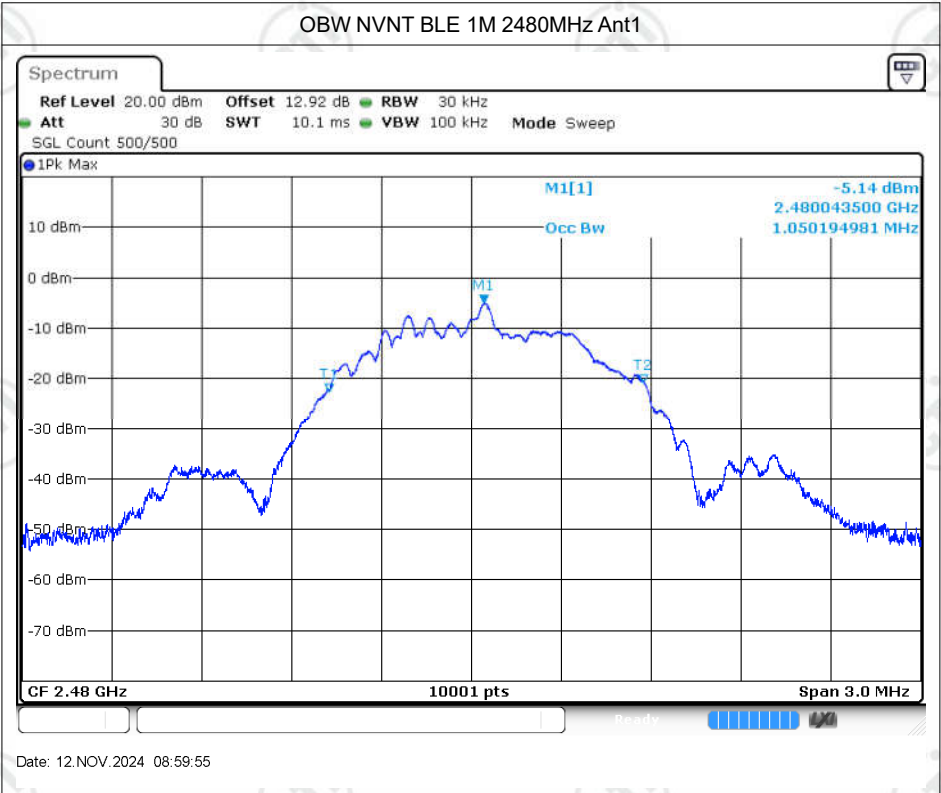




Occupied Channel Bandwidth

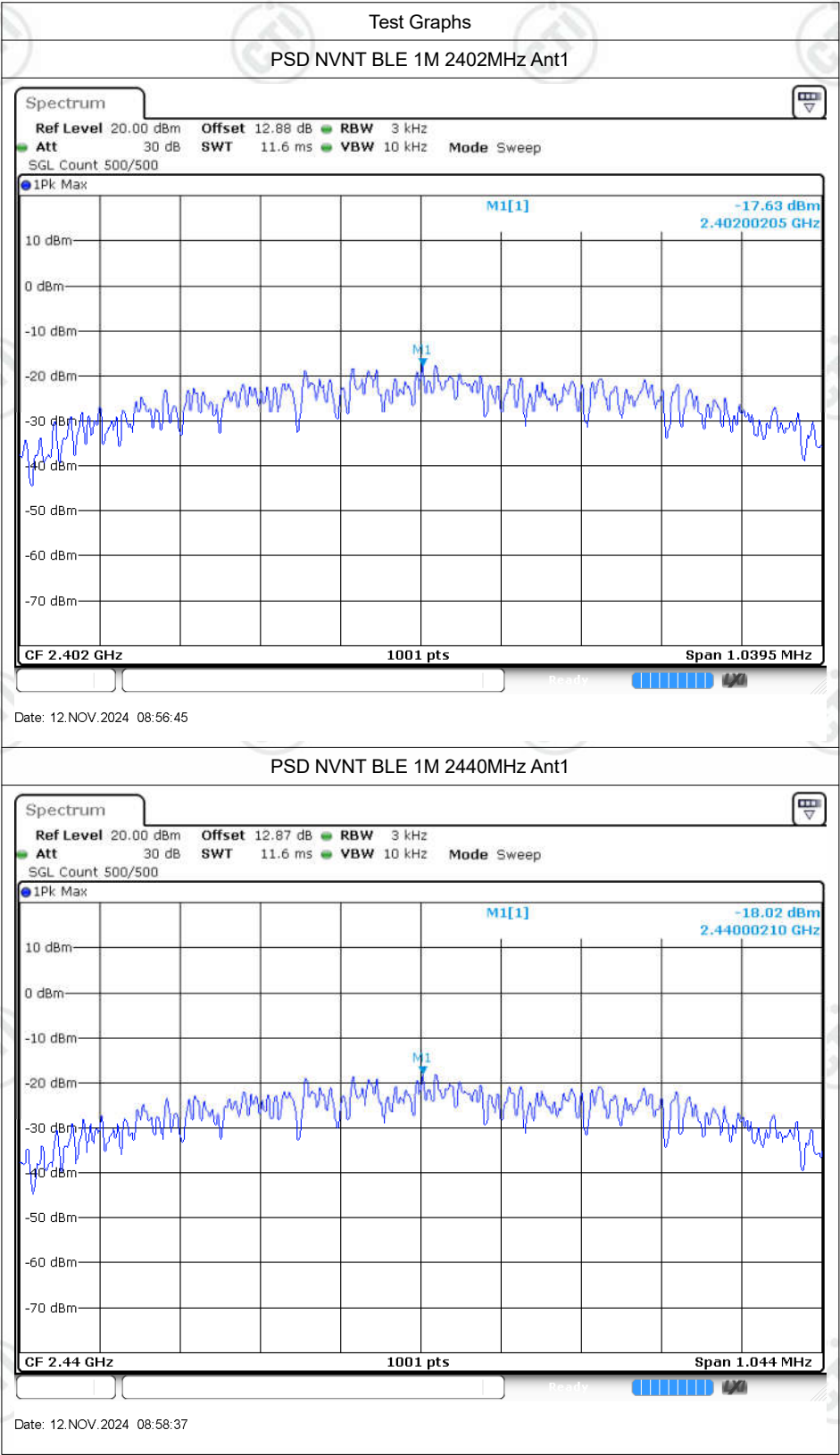
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	BLE 1M	2402	Ant1	1.044
NVNT	BLE 1M	2440	Ant1	1.048
NVNT	BLE 1M	2480	Ant1	1.05

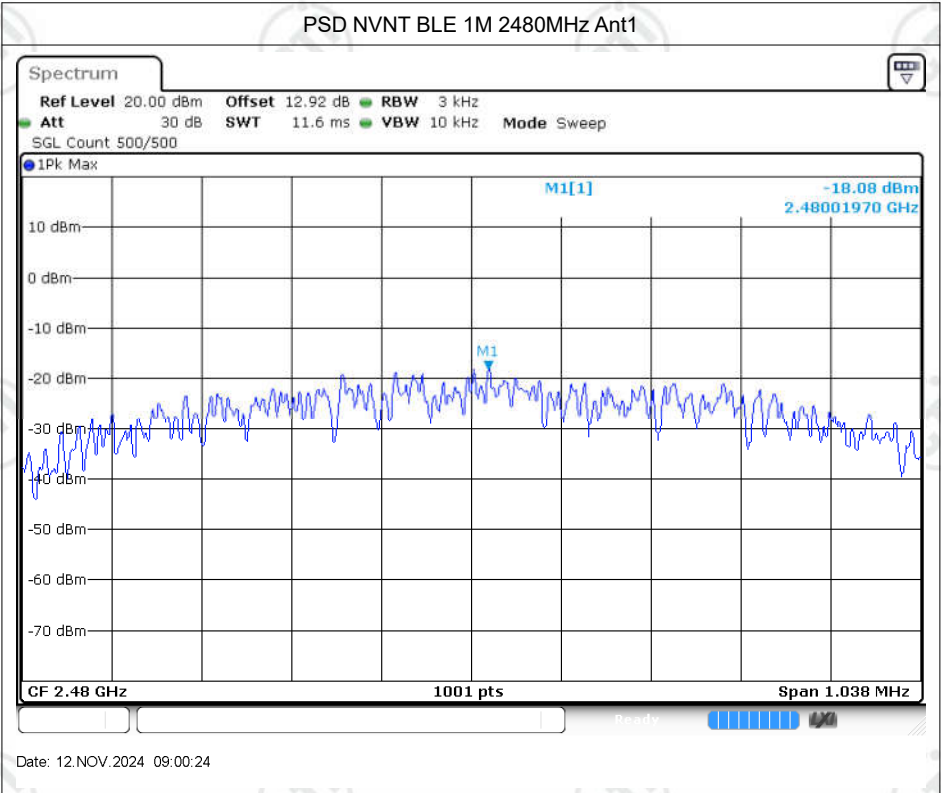




Maximum Power Spectral Density Level

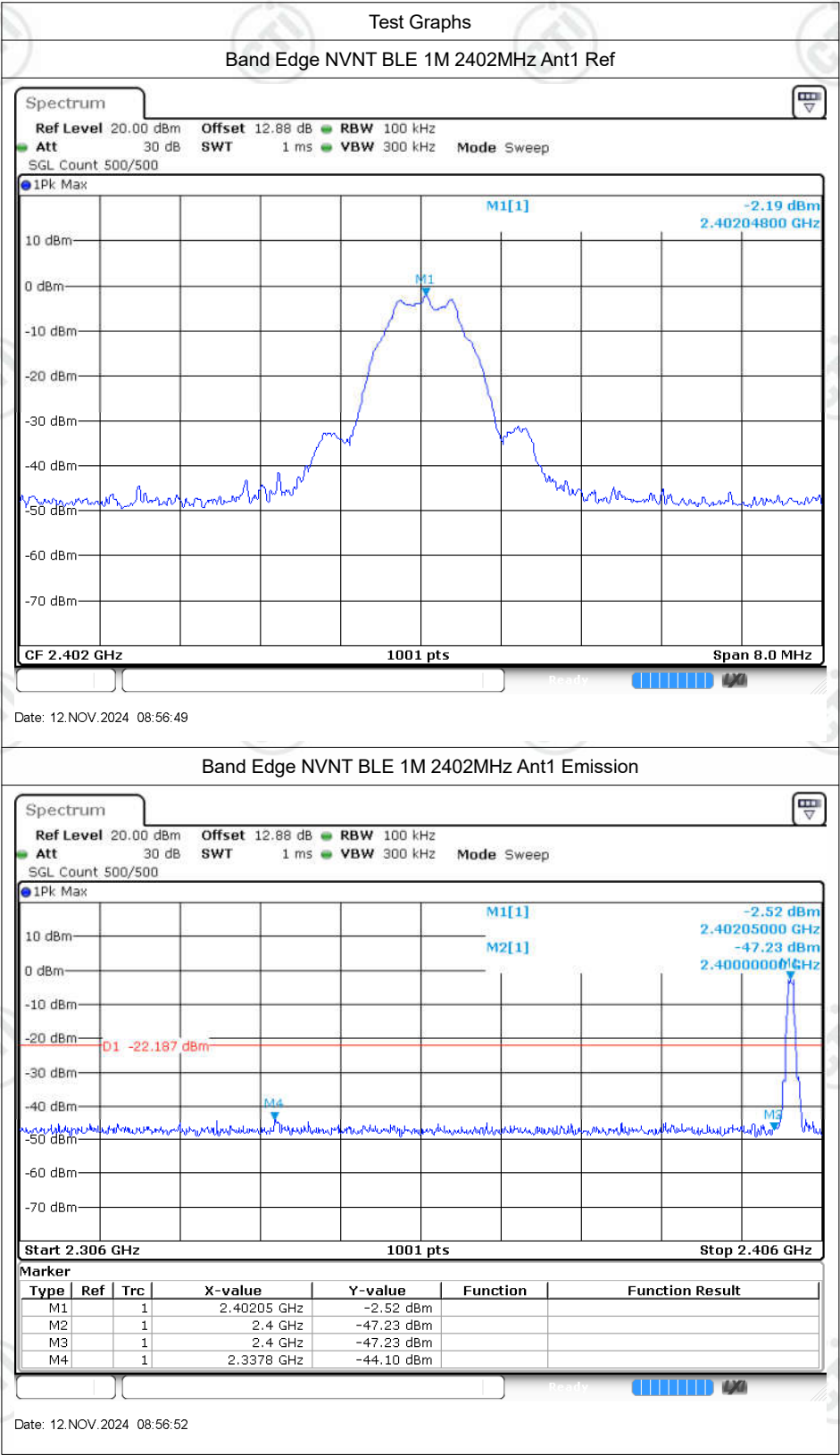
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
NVNT	BLE 1M	2402	Ant1	-17.63	8	Pass
NVNT	BLE 1M	2440	Ant1	-18.02	8	Pass
NVNT	BLE 1M	2480	Ant1	-18.08	8	Pass

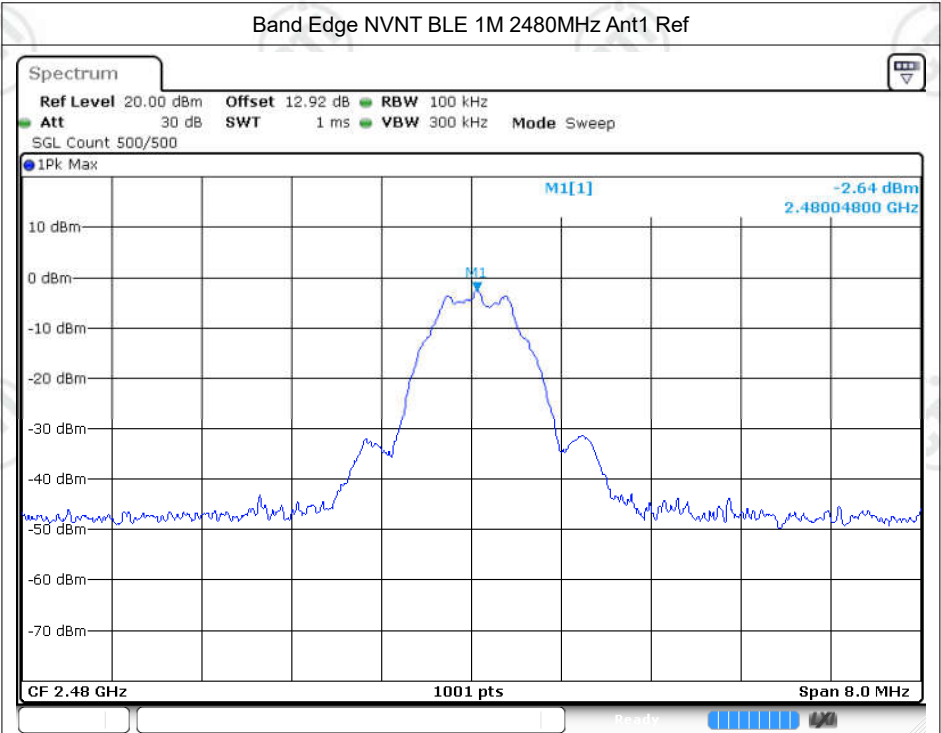




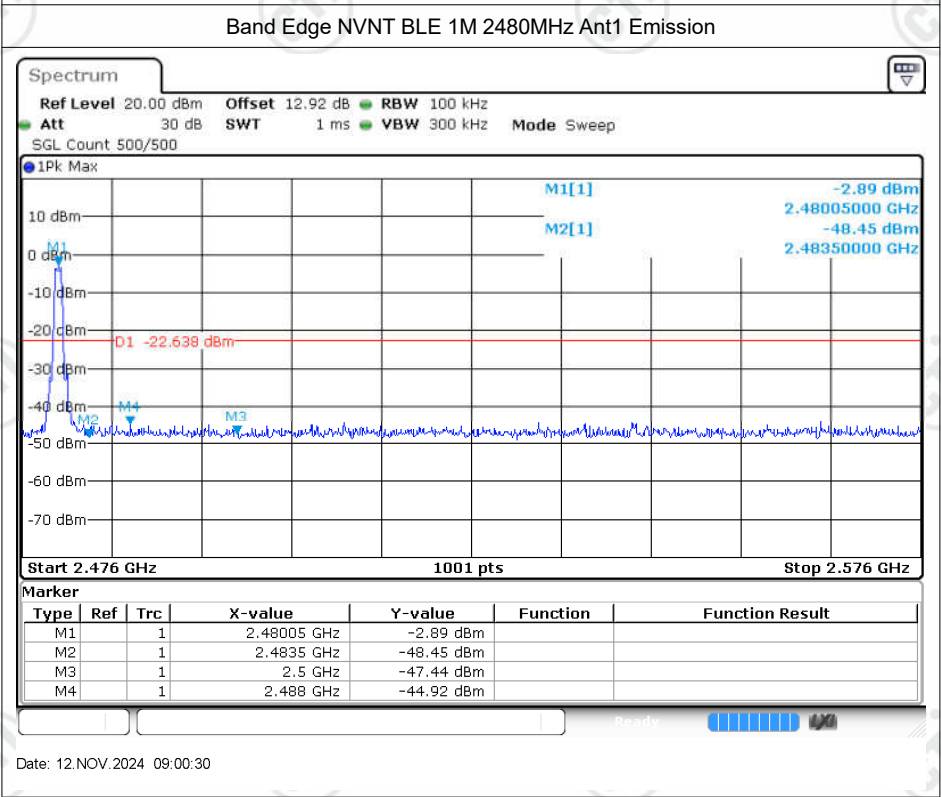
Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE 1M	2402	Ant1	-41.9	-20	Pass
NVNT	BLE 1M	2480	Ant1	-42.28	-20	Pass





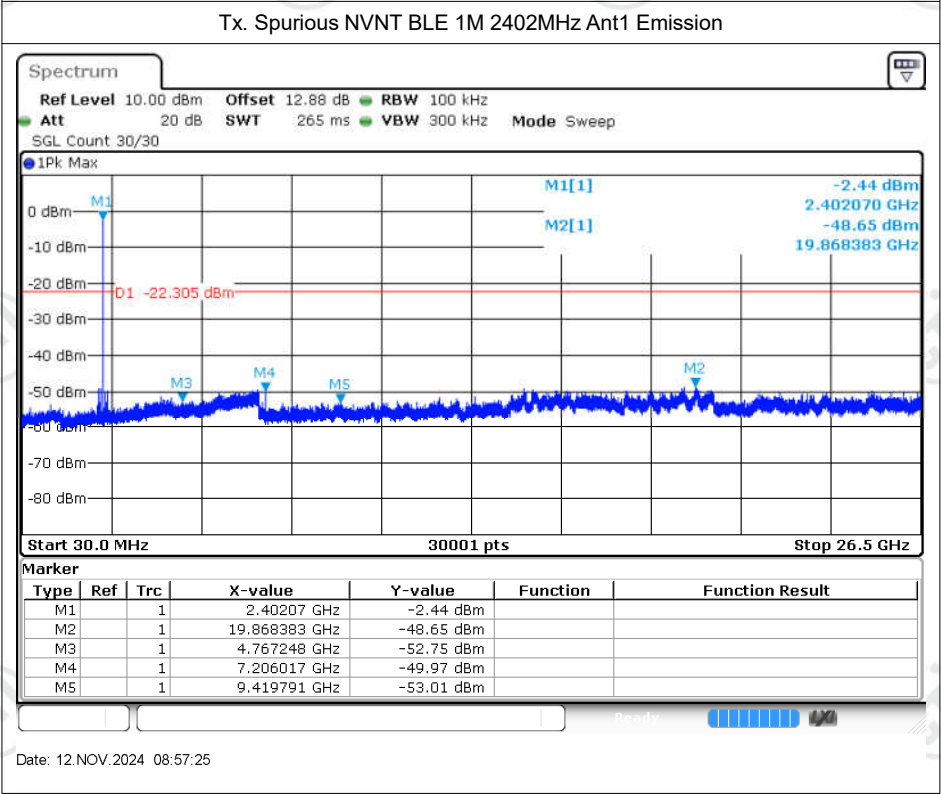
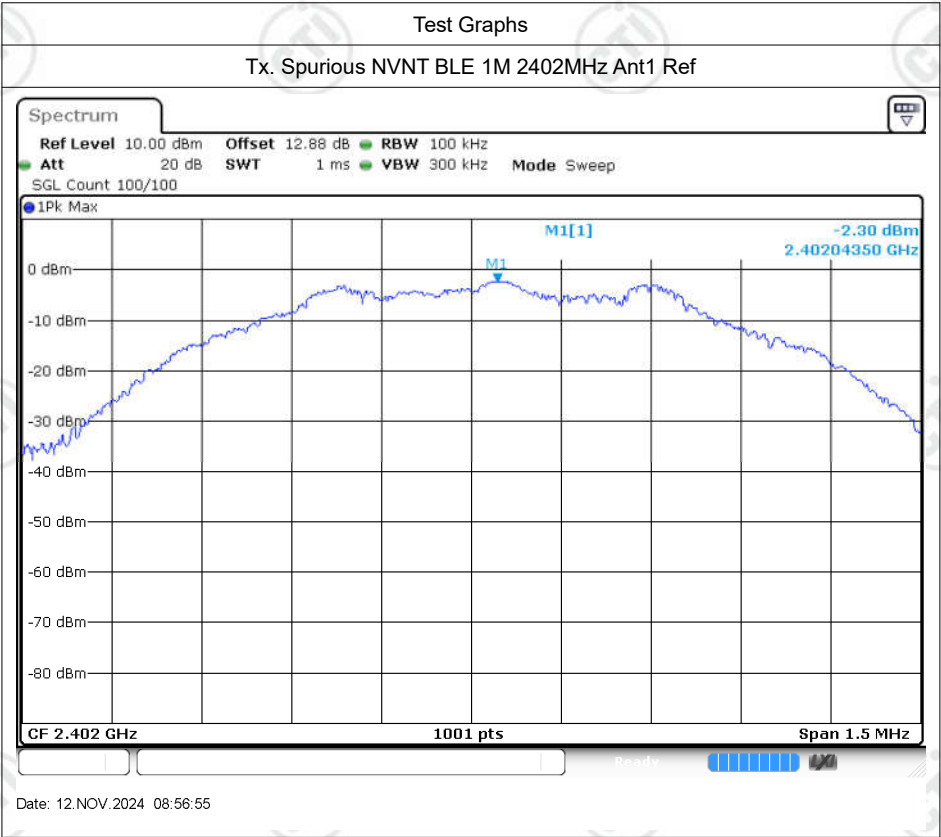
Date: 12.NOV.2024 09:00:27

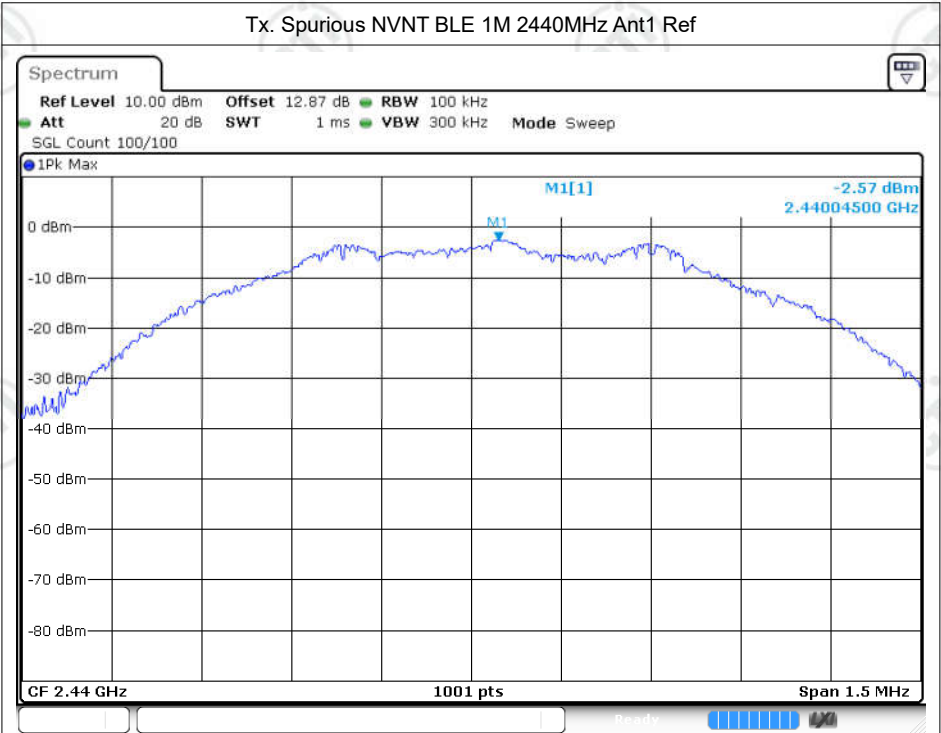


Date: 12.NOV.2024 09:00:30

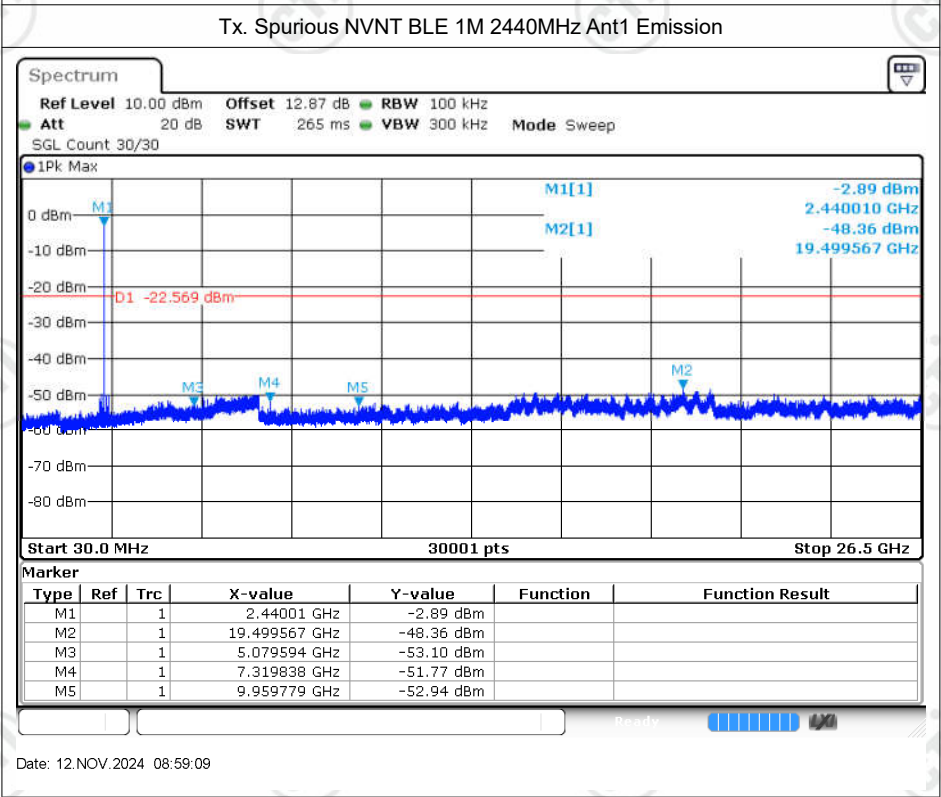
Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE 1M	2402	Ant1	-46.35	-20	Pass
NVNT	BLE 1M	2440	Ant1	-45.78	-20	Pass
NVNT	BLE 1M	2480	Ant1	-45.15	-20	Pass

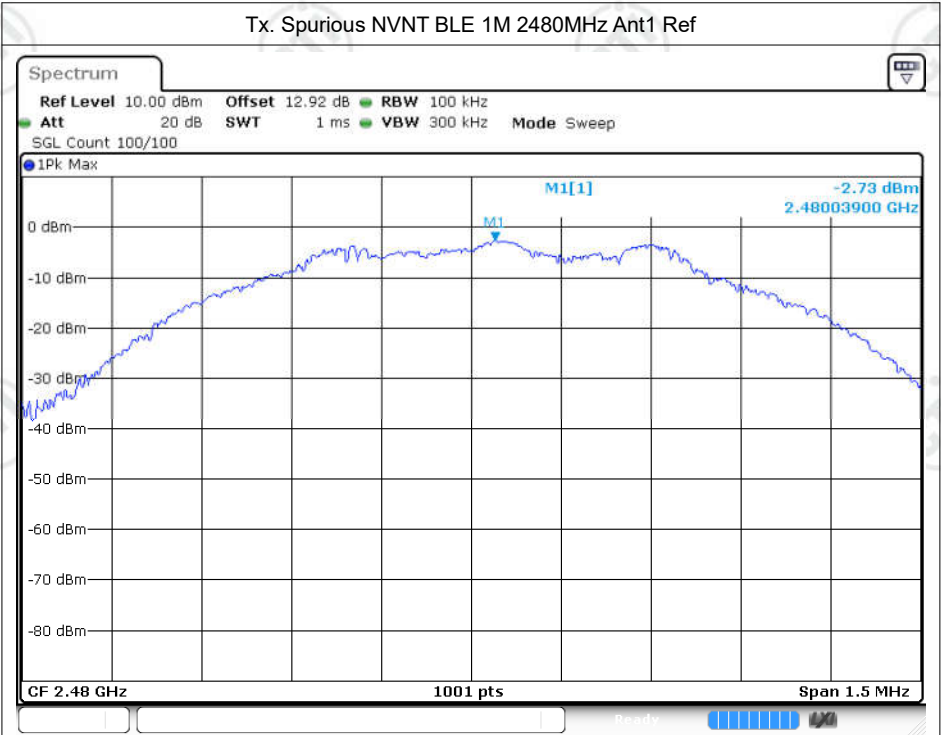




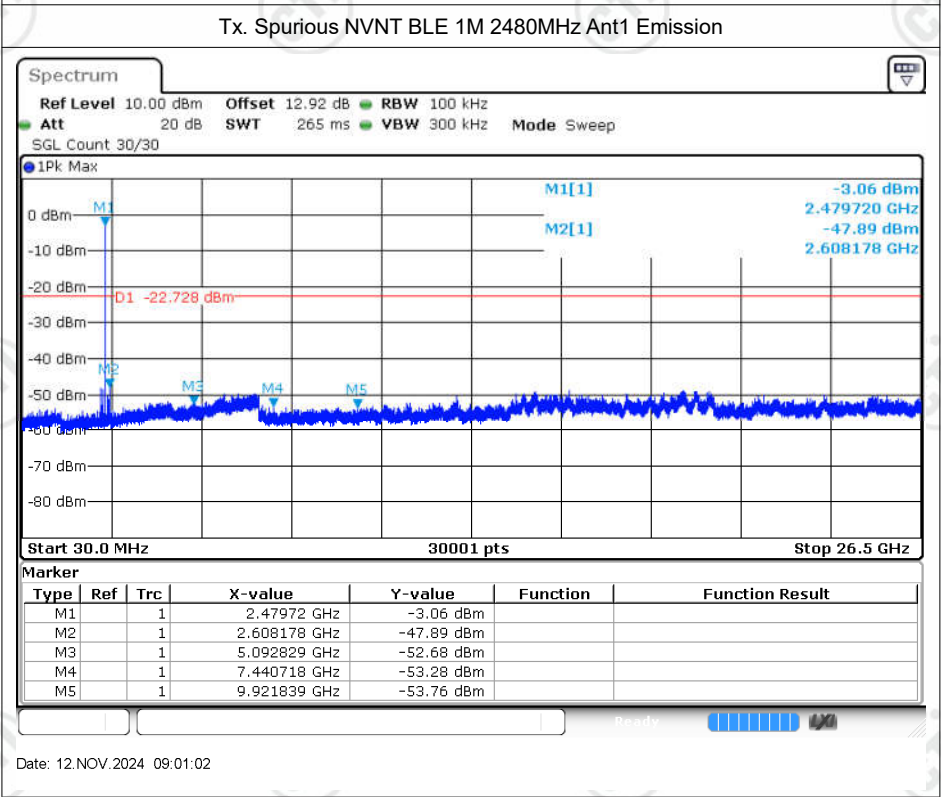
Date: 12.NOV.2024 08:58:40



Date: 12.NOV.2024 08:59:09



Date: 12.NOV.2024 09:00:33



Date: 12.NOV.2024 09:01:02

*** End of Report ***