

Appendix: Bluetooth LE

Contents

Duty Cycle 3

Maximum Peak Conducted Output Power 6

-6dB Bandwidth 9

Occupied Channel Bandwidth 12

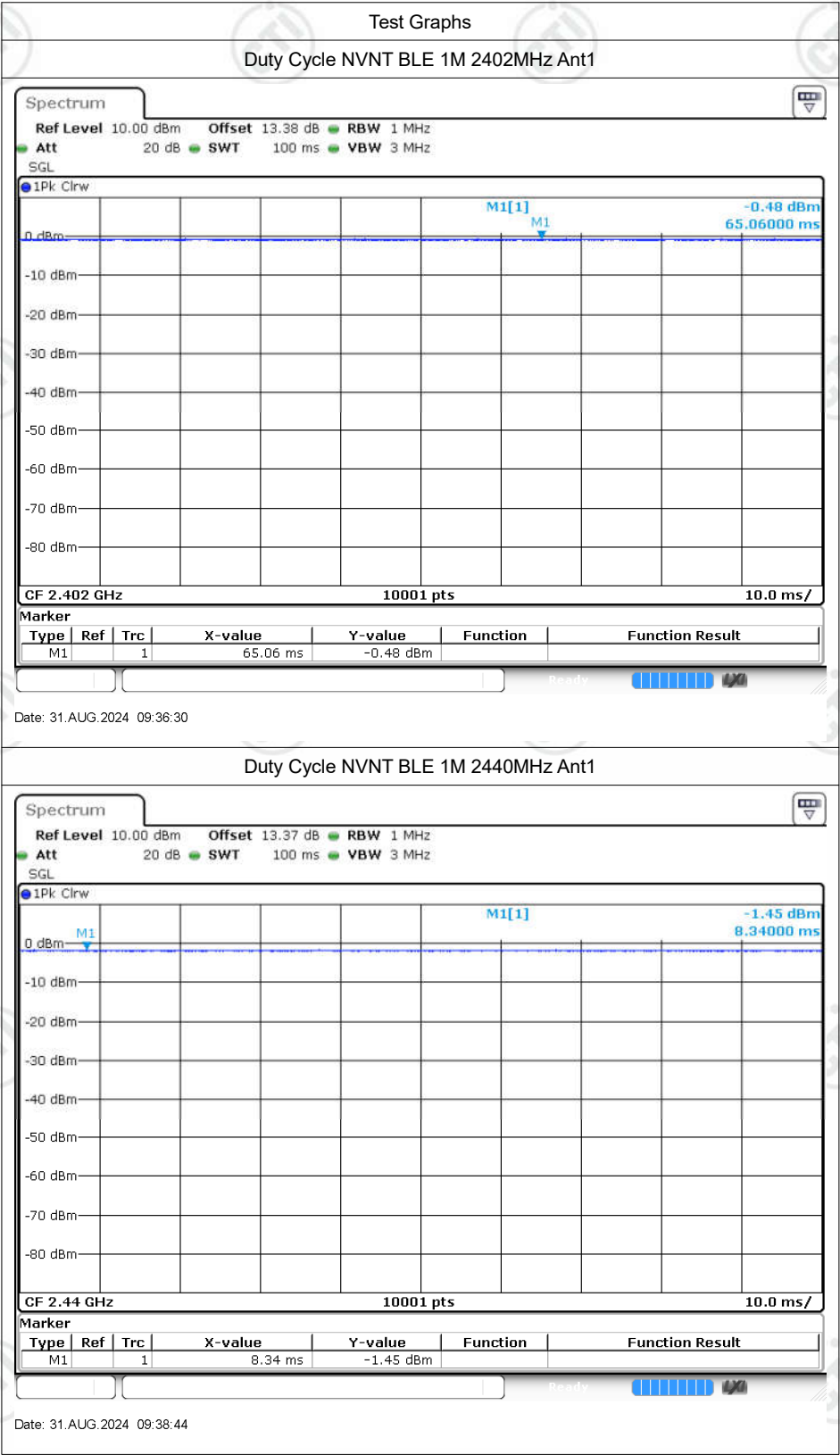
Maximum Power Spectral Density Level 15

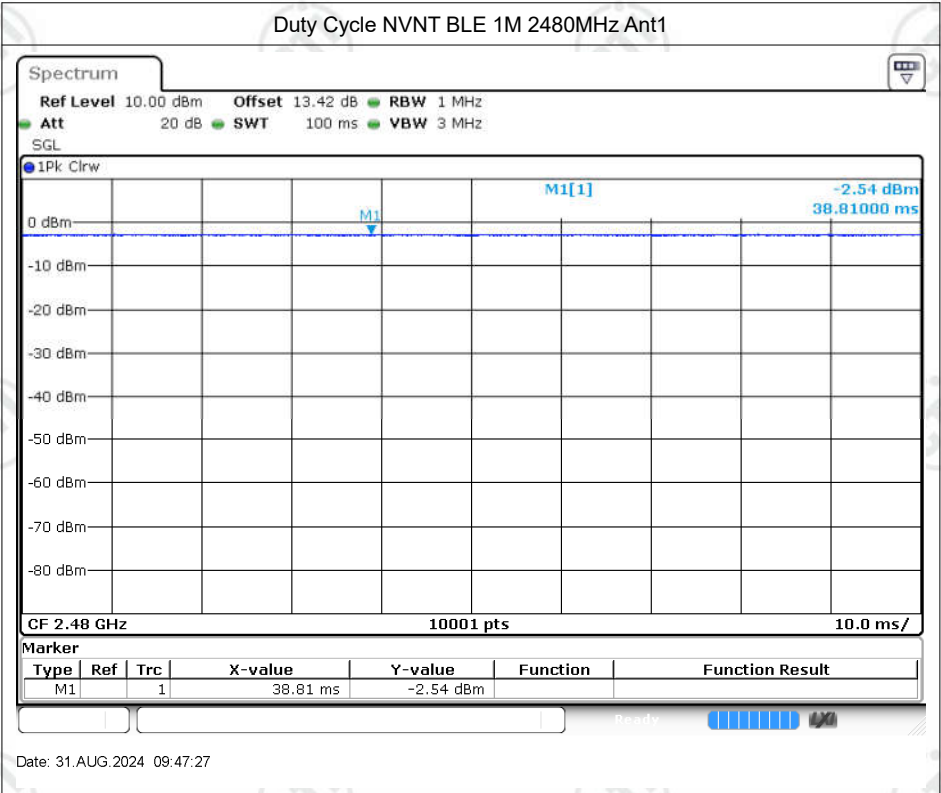
Band Edge 18

Conducted RF Spurious Emission 21

Duty Cycle

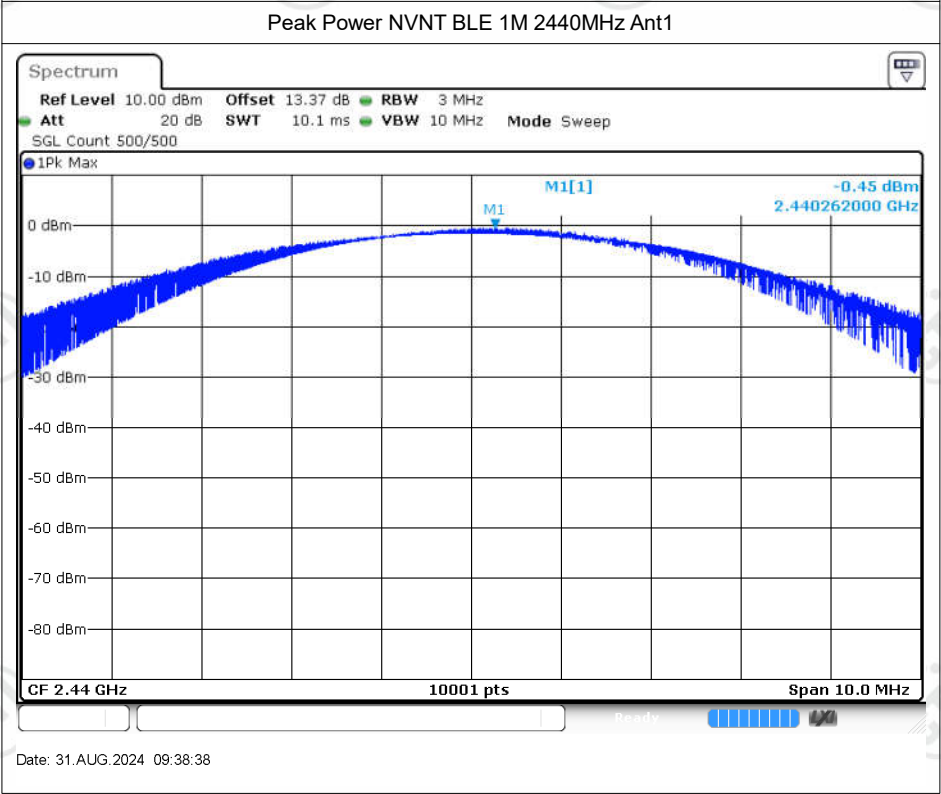
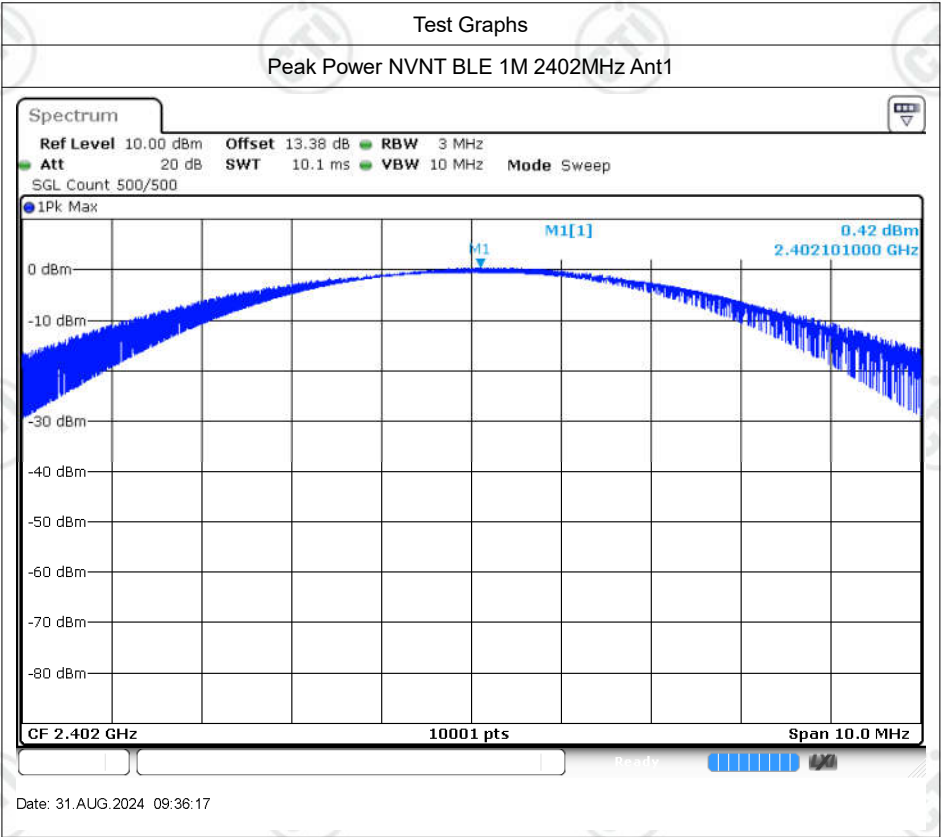
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	BLE 1M	2402	Ant1	100	0	0
NVNT	BLE 1M	2440	Ant1	100	0	0
NVNT	BLE 1M	2480	Ant1	100	0	0

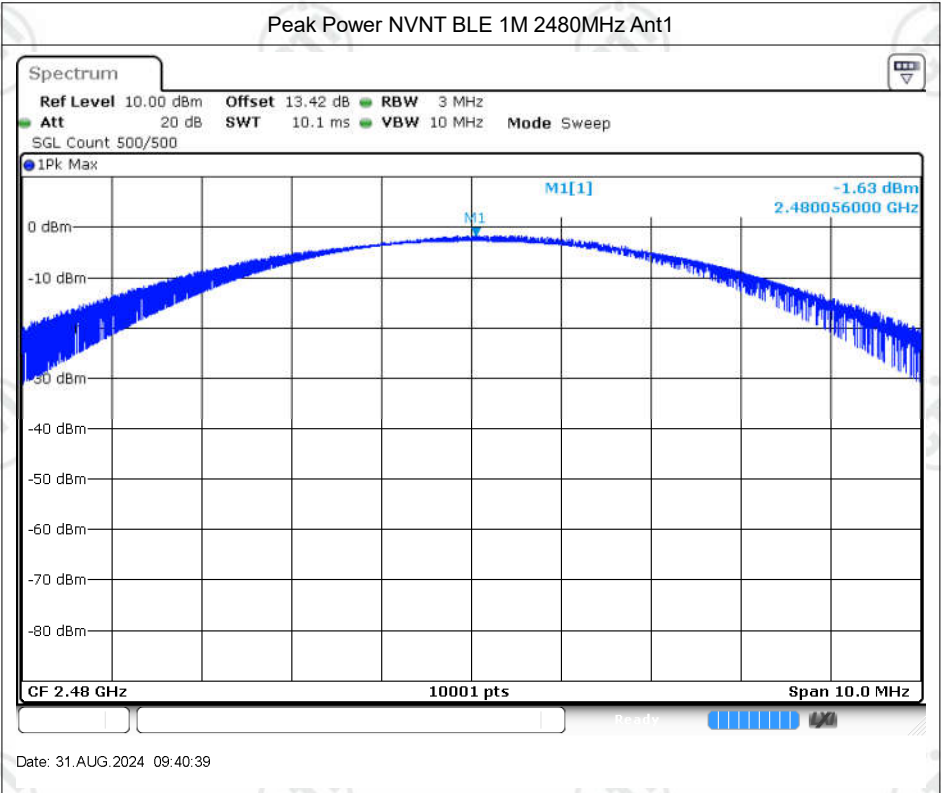




Maximum Peak Conducted Output Power

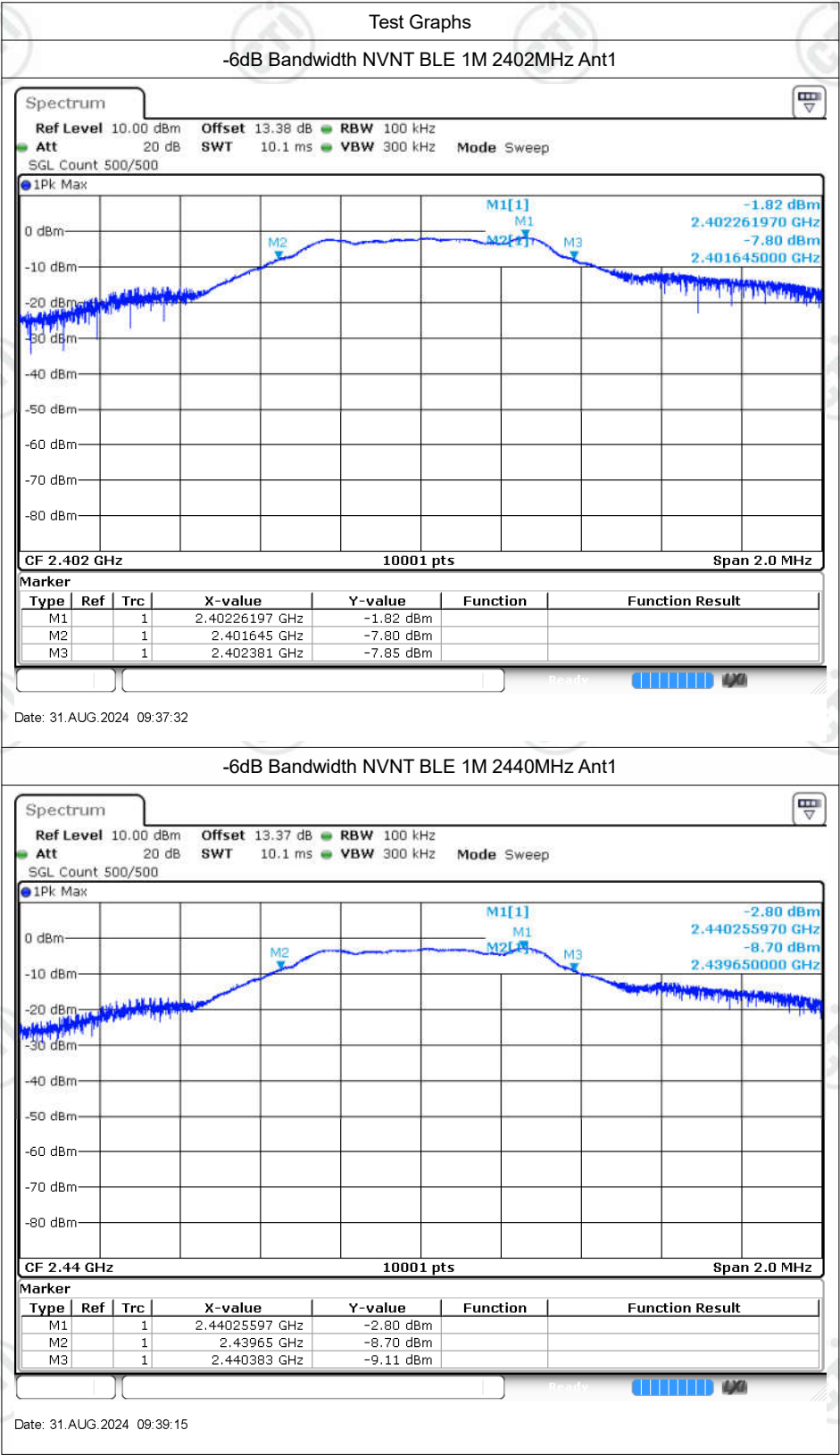
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	BLE 1M	2402	Ant1	0.42	0	0.42	30	Pass
NVNT	BLE 1M	2440	Ant1	-0.45	0	-0.45	30	Pass
NVNT	BLE 1M	2480	Ant1	-1.63	0	-1.63	30	Pass

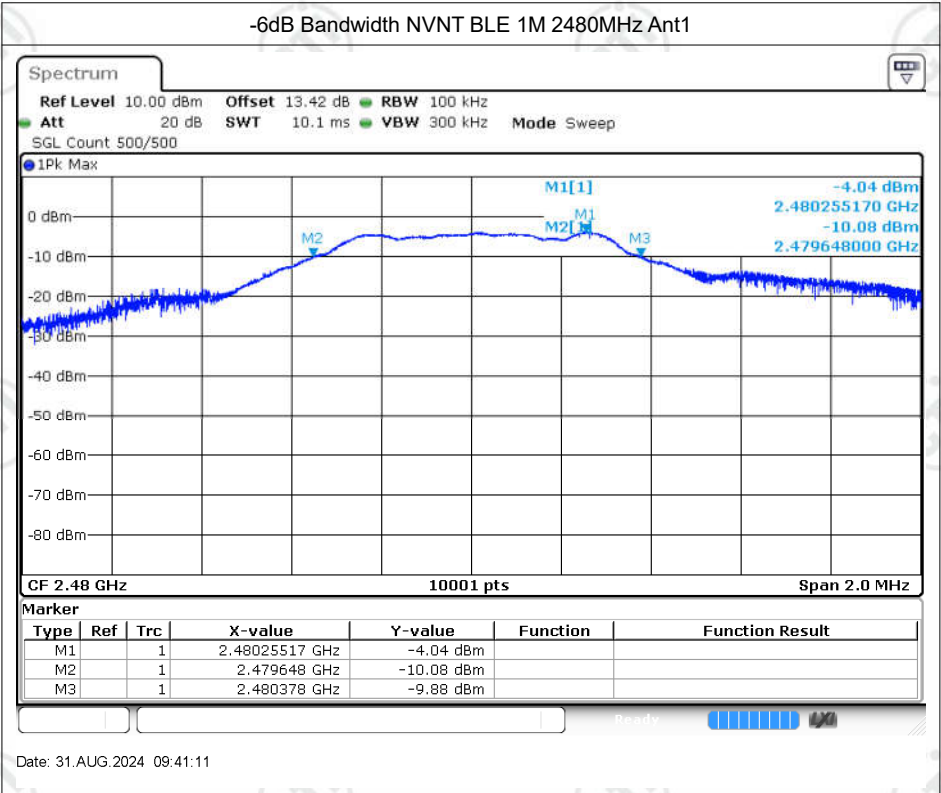




-6dB Bandwidth

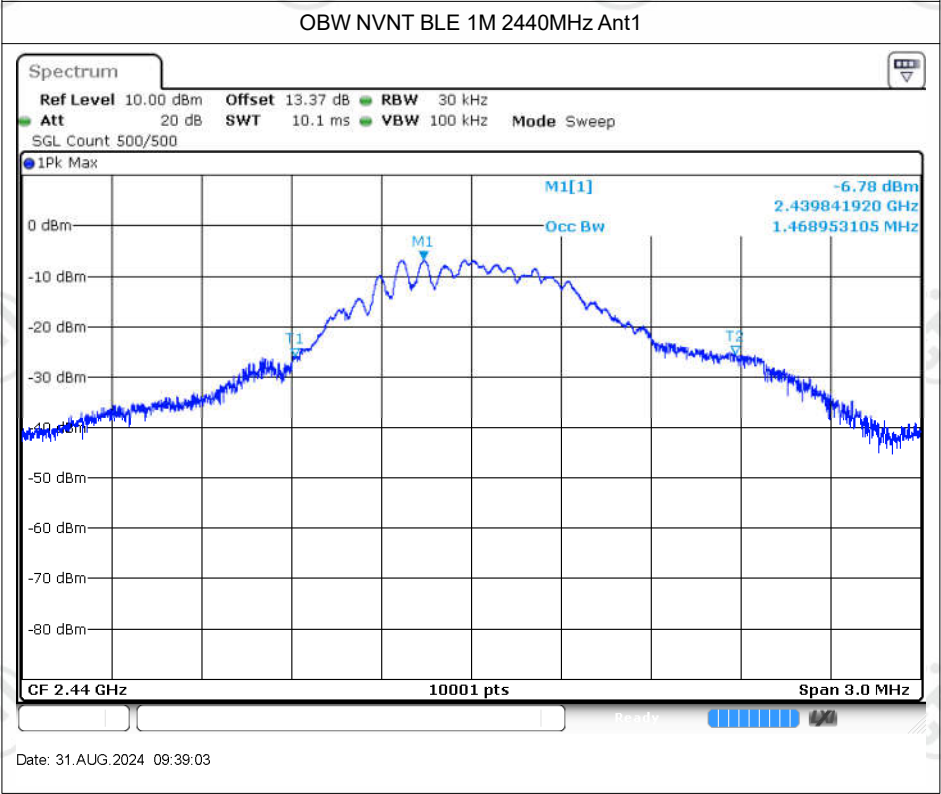
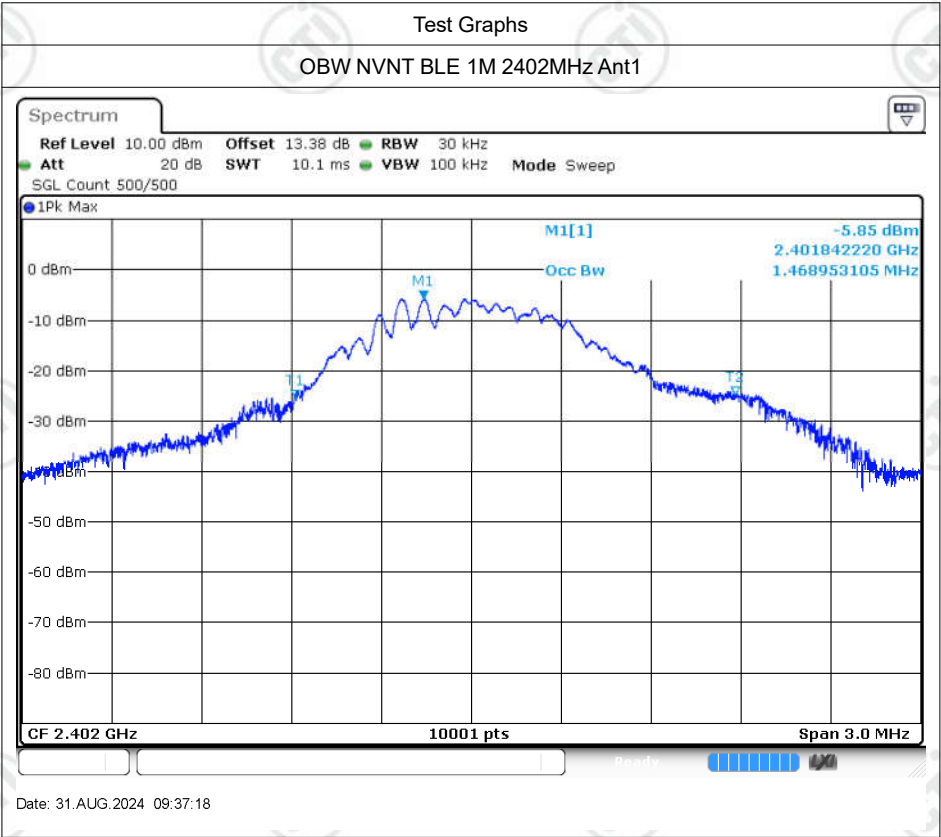
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	BLE 1M	2402	Ant1	0.736	0.5	Pass
NVNT	BLE 1M	2440	Ant1	0.733	0.5	Pass
NVNT	BLE 1M	2480	Ant1	0.73	0.5	Pass

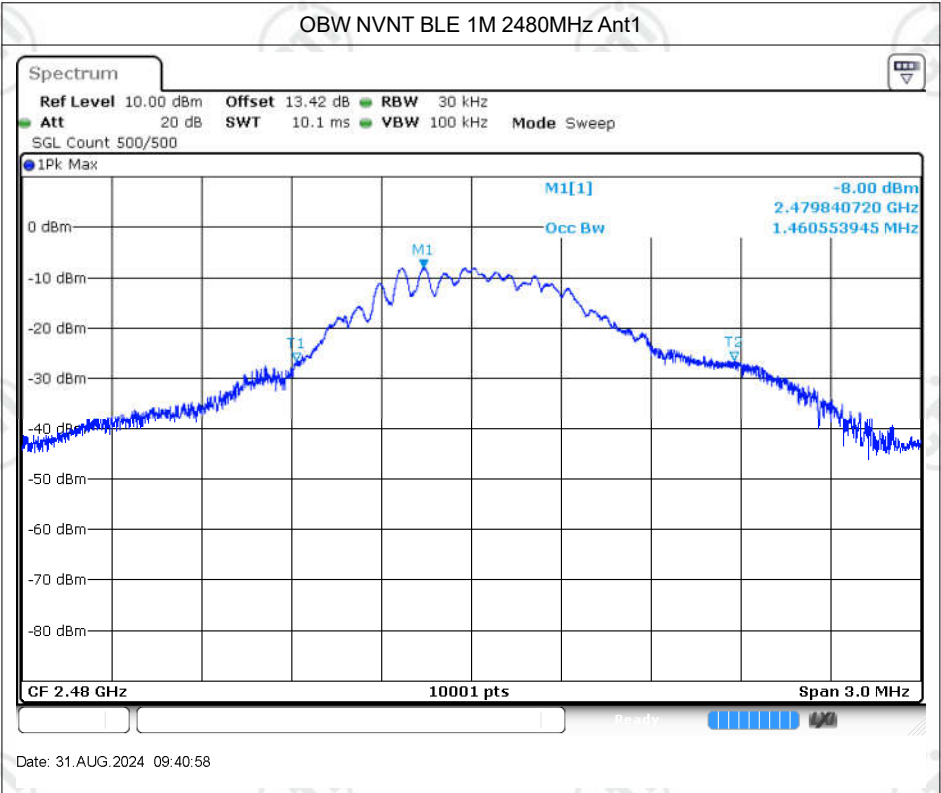




Occupied Channel Bandwidth

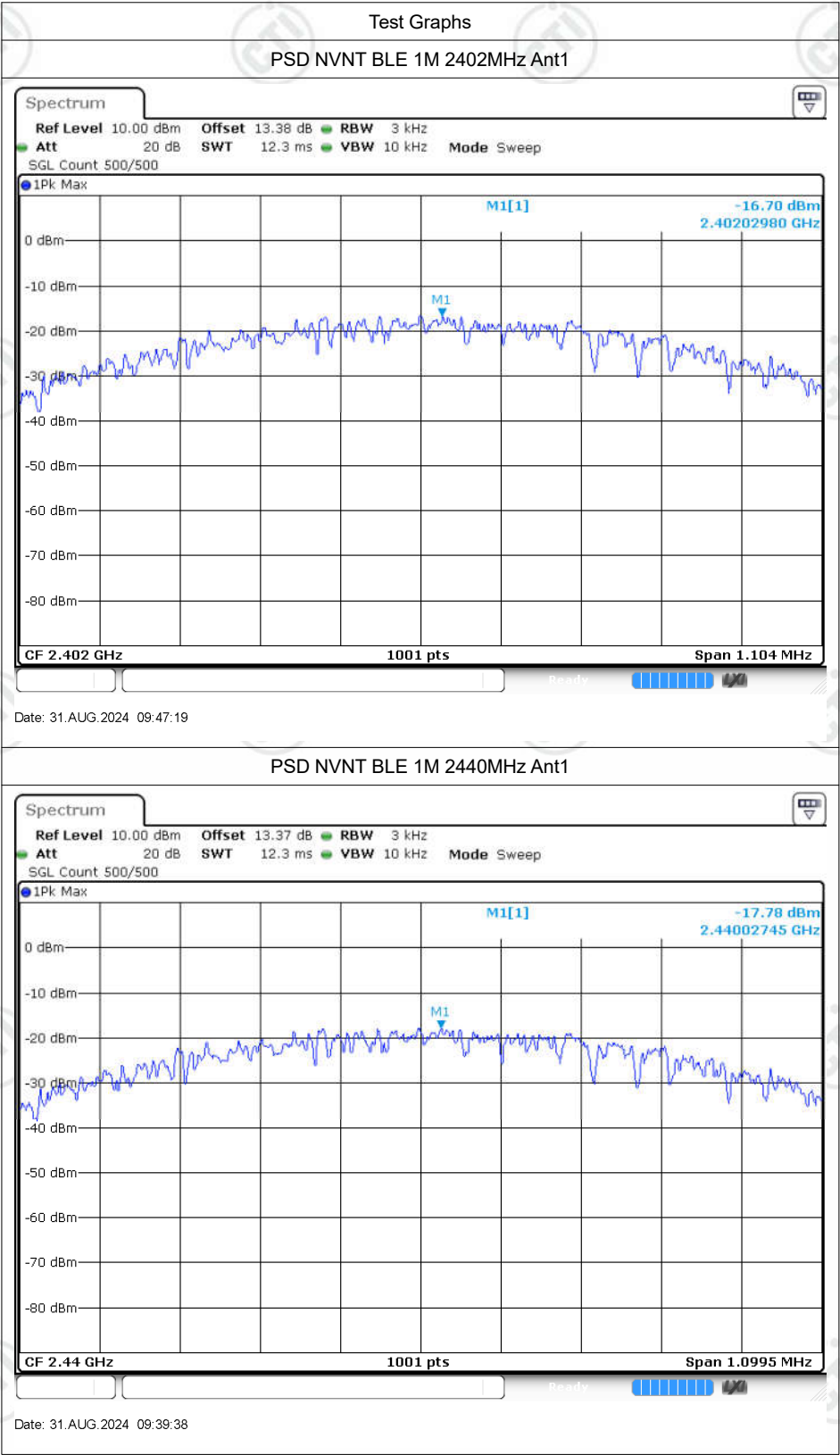
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	BLE 1M	2402	Ant1	1.469
NVNT	BLE 1M	2440	Ant1	1.469
NVNT	BLE 1M	2480	Ant1	1.461

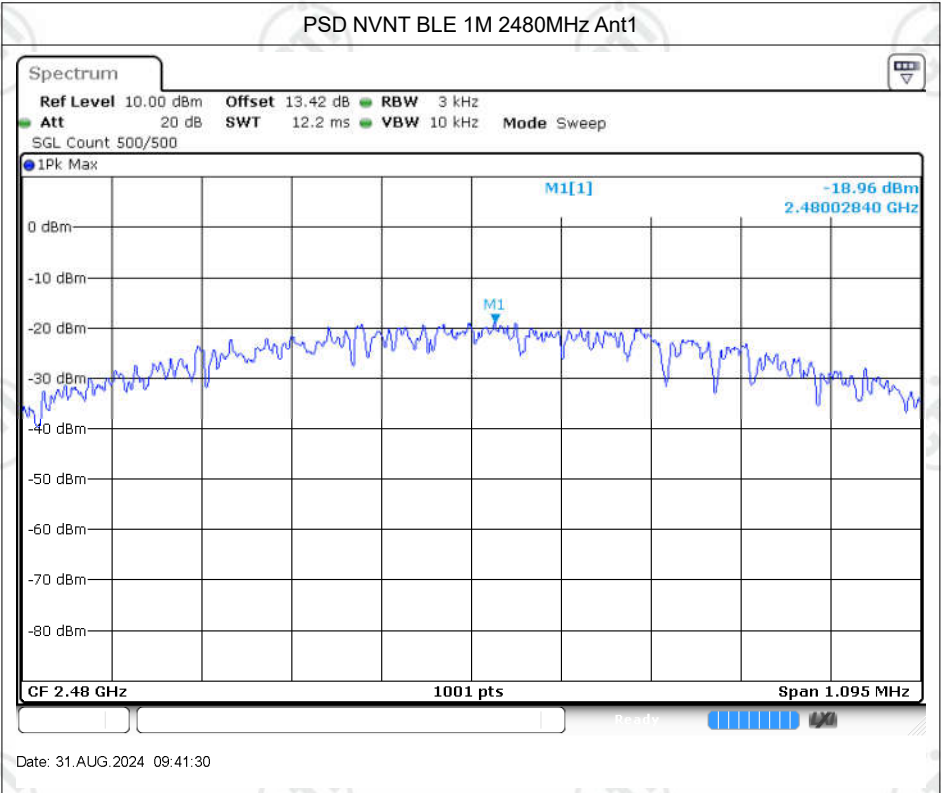




Maximum Power Spectral Density Level

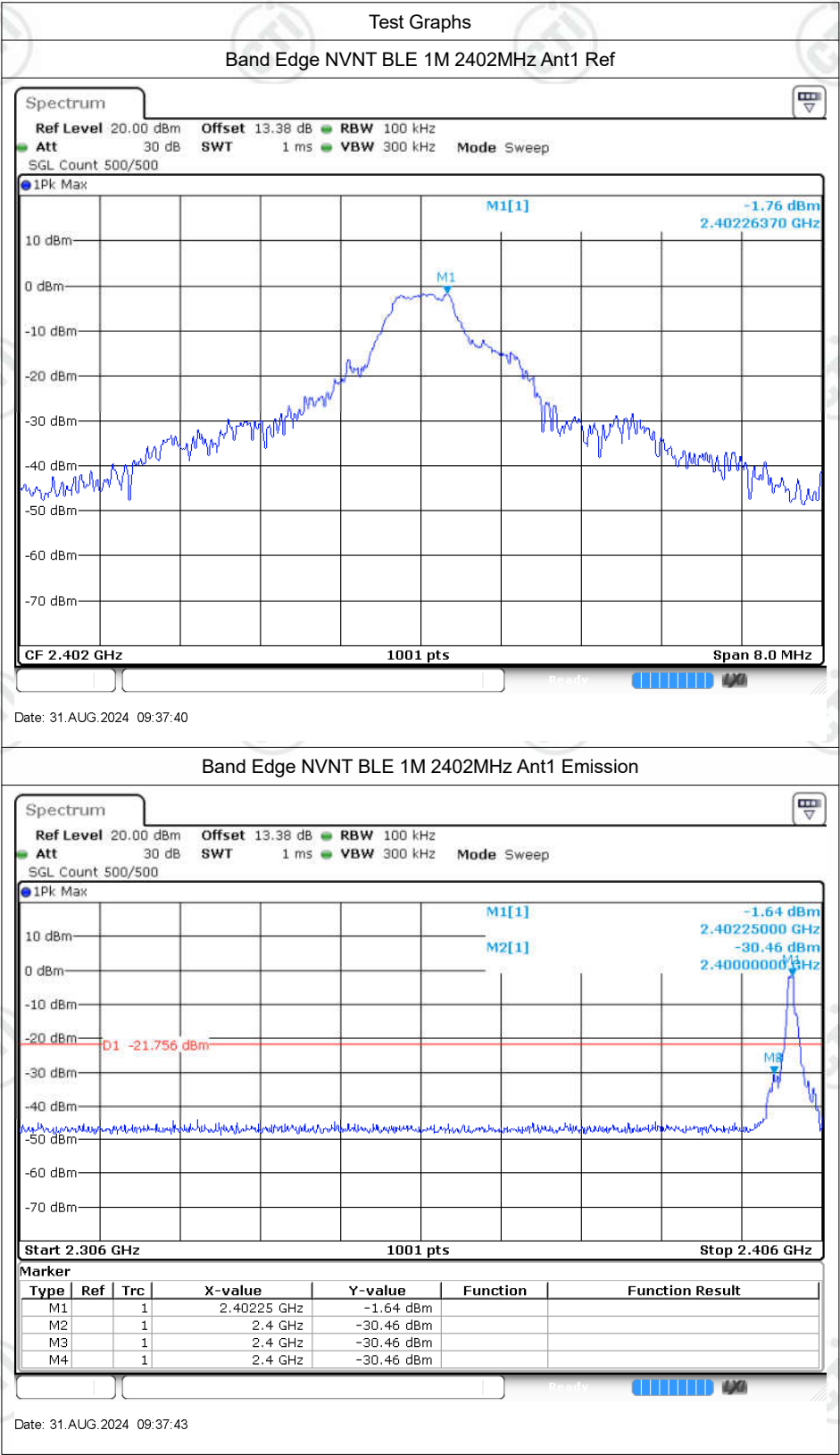
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/3kHz)	Duty Factor (dB)	Total PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
NVNT	BLE 1M	2402	Ant1	-16.7	0	-16.7	8	Pass
NVNT	BLE 1M	2440	Ant1	-17.78	0	-17.78	8	Pass
NVNT	BLE 1M	2480	Ant1	-18.96	0	-18.96	8	Pass

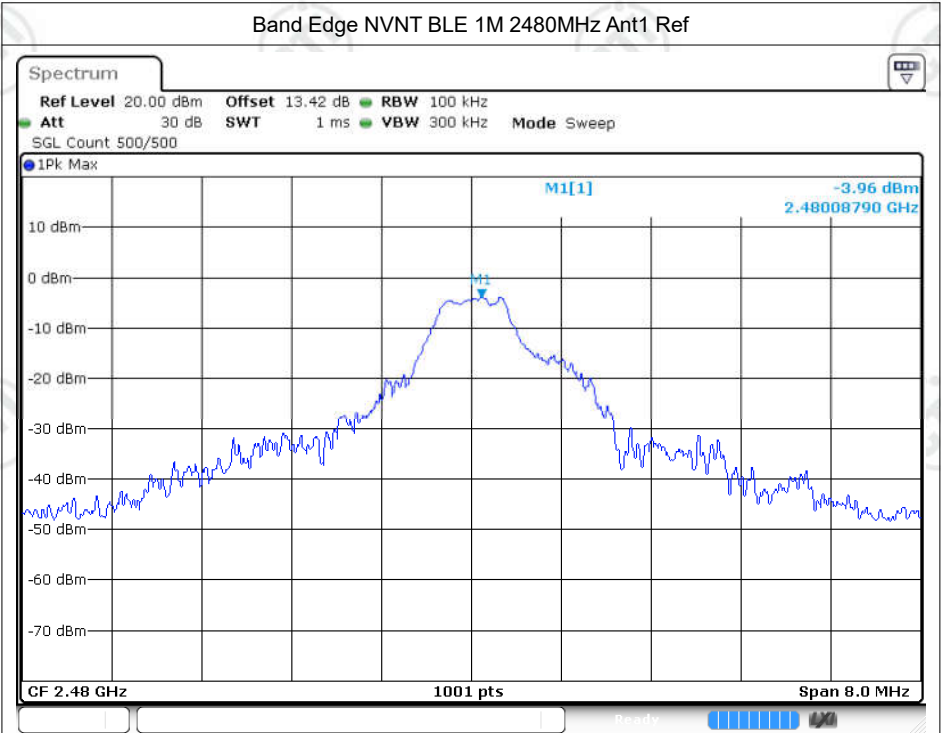




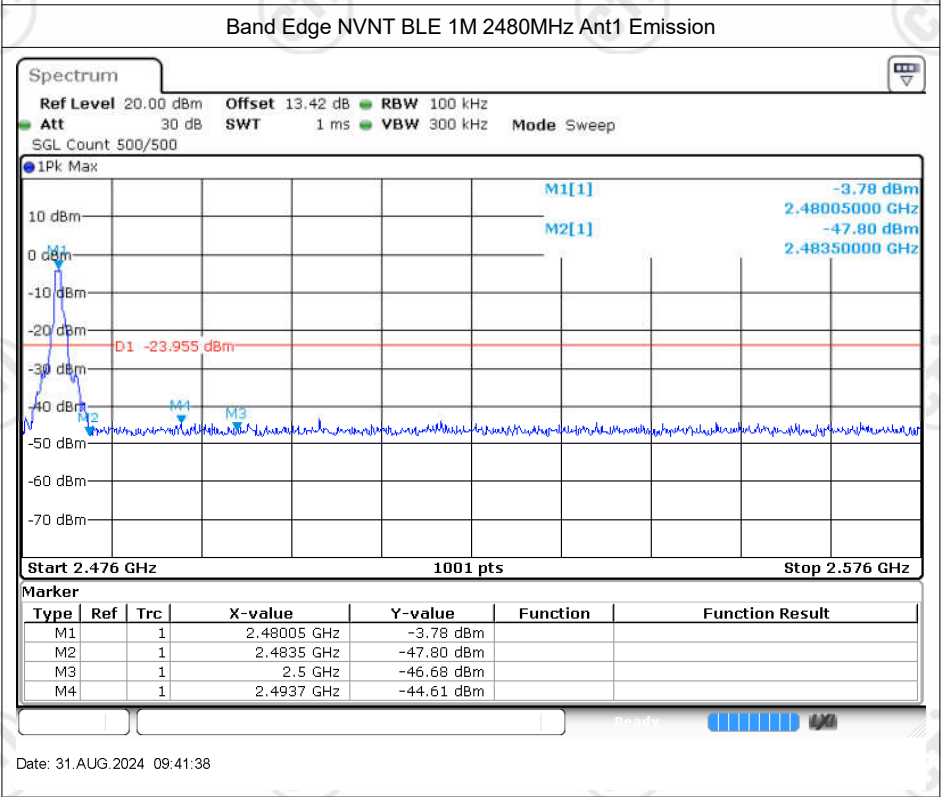
Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE 1M	2402	Ant1	-28.69	-20	Pass
NVNT	BLE 1M	2480	Ant1	-40.64	-20	Pass





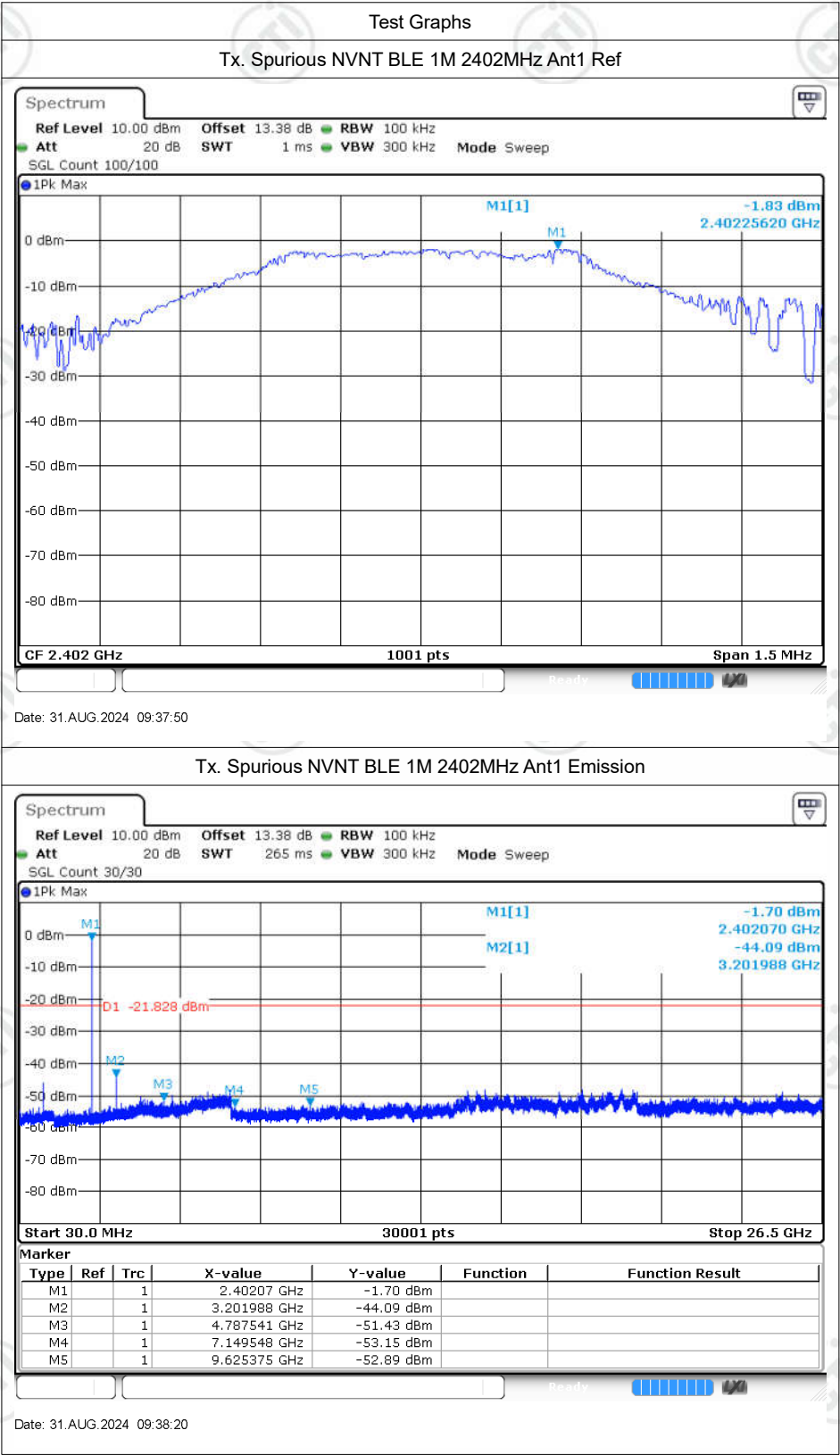
Date: 31.AUG.2024 09:41:36

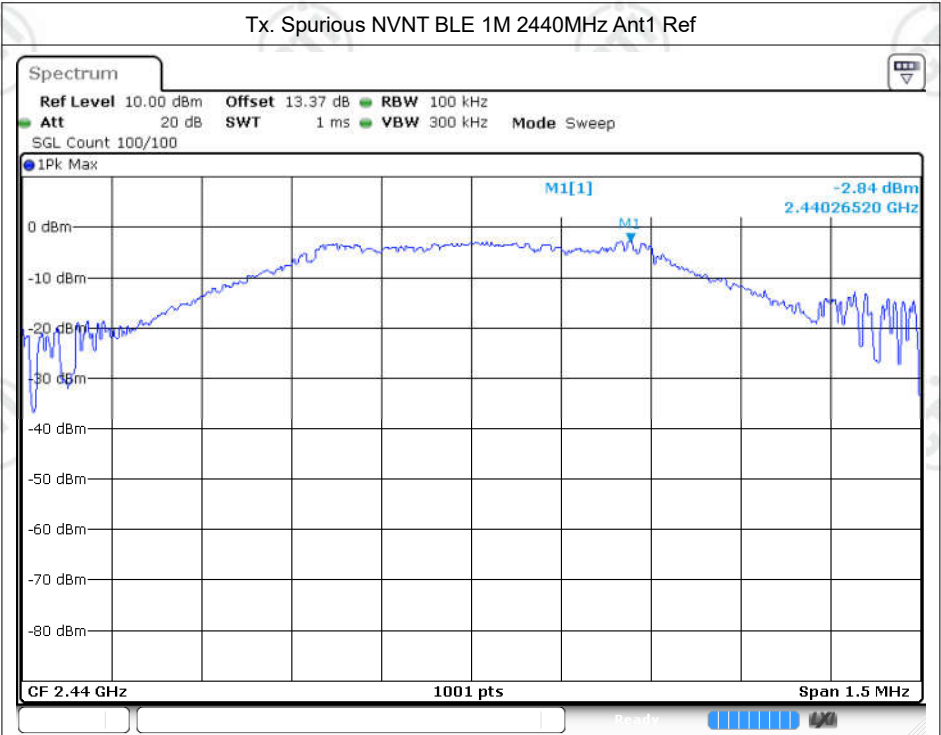


Date: 31.AUG.2024 09:41:38

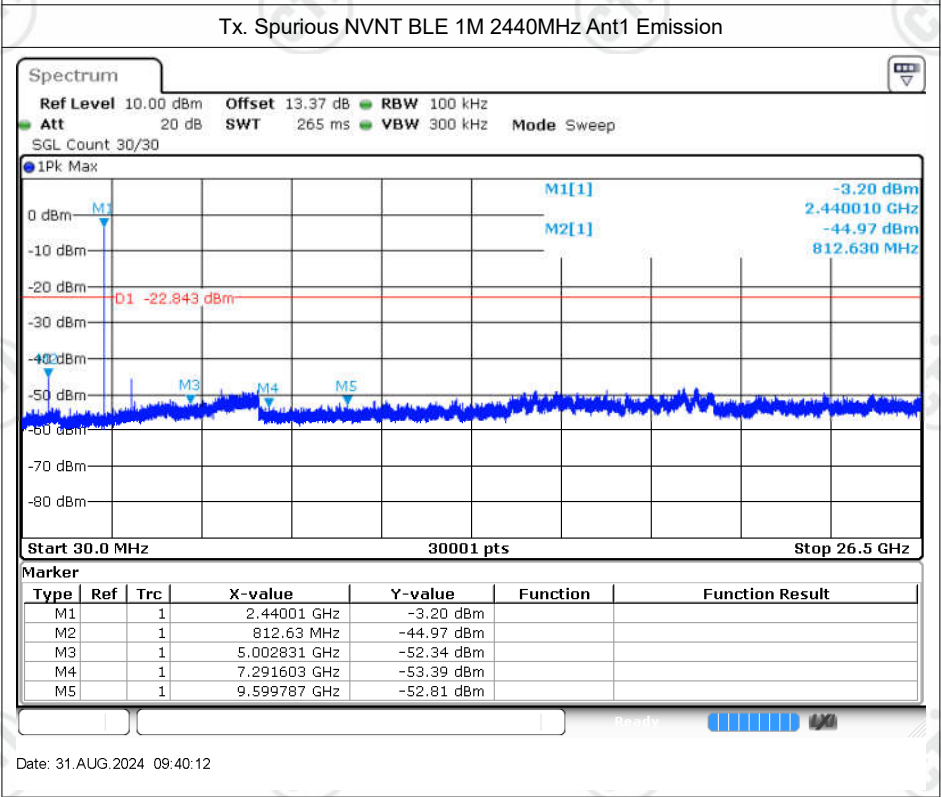
Conducted RF Spurious Emission

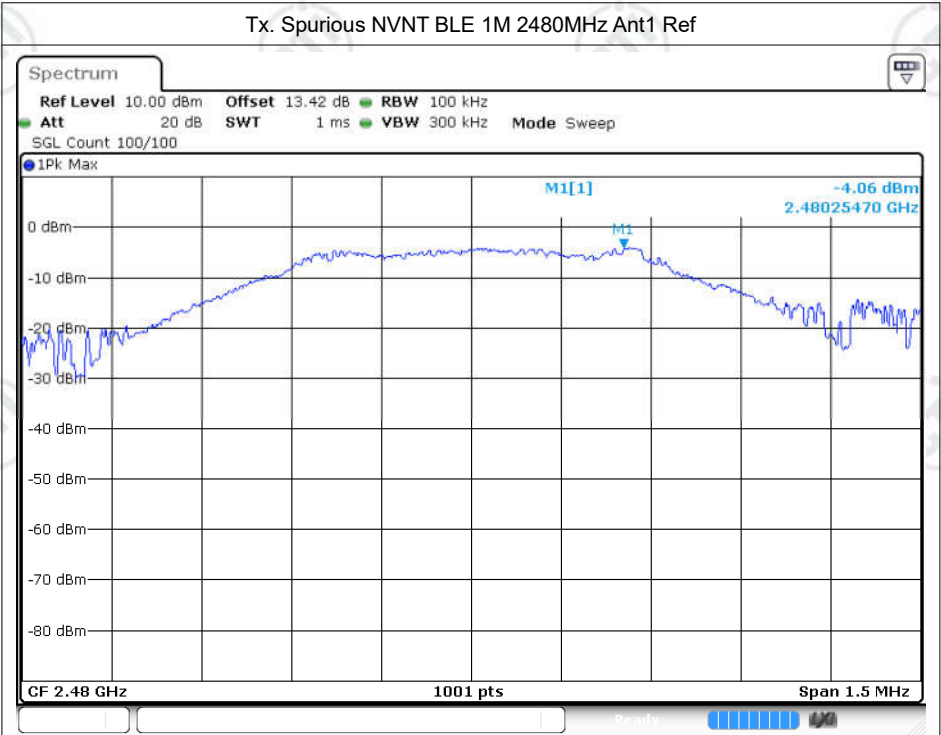
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE 1M	2402	Ant1	-42.25	-20	Pass
NVNT	BLE 1M	2440	Ant1	-42.13	-20	Pass
NVNT	BLE 1M	2480	Ant1	-41.6	-20	Pass



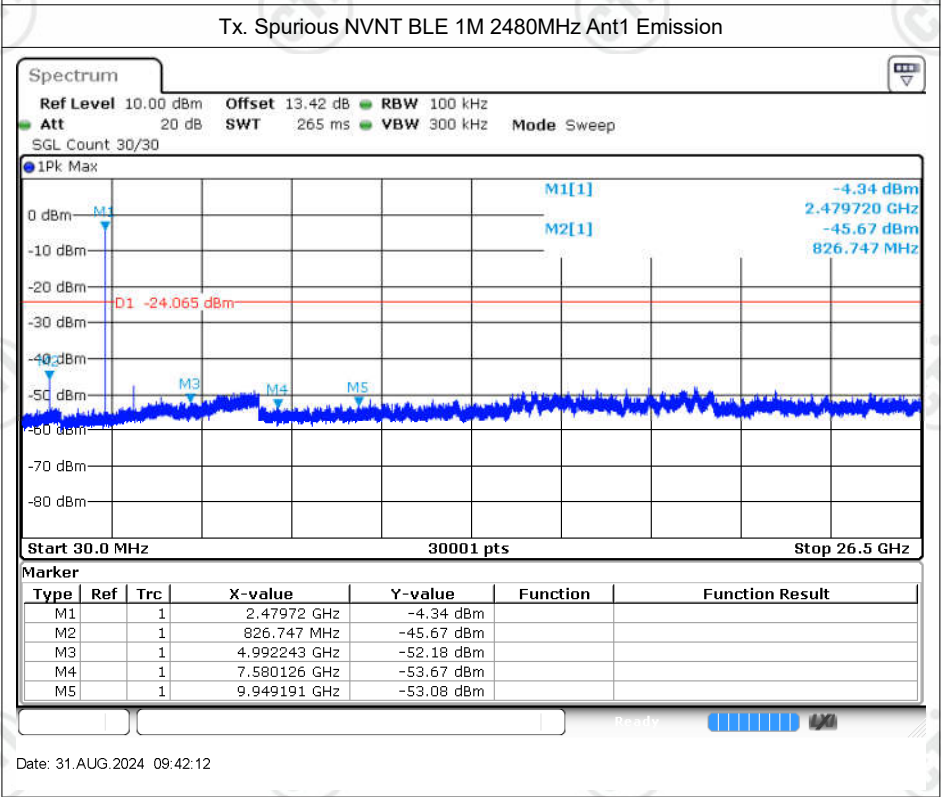


Date: 31.AUG.2024 09:39:43





Date: 31.AUG.2024 09:41:42



Date: 31.AUG.2024 09:42:12

END OF REPORT