

Appendix:Bluetooth LE

Contents

Contents 2

Duty Cycle 3

Maximum Peak Conducted Output Power 6

-6dB Bandwidth 9

Occupied Channel Bandwidth 12

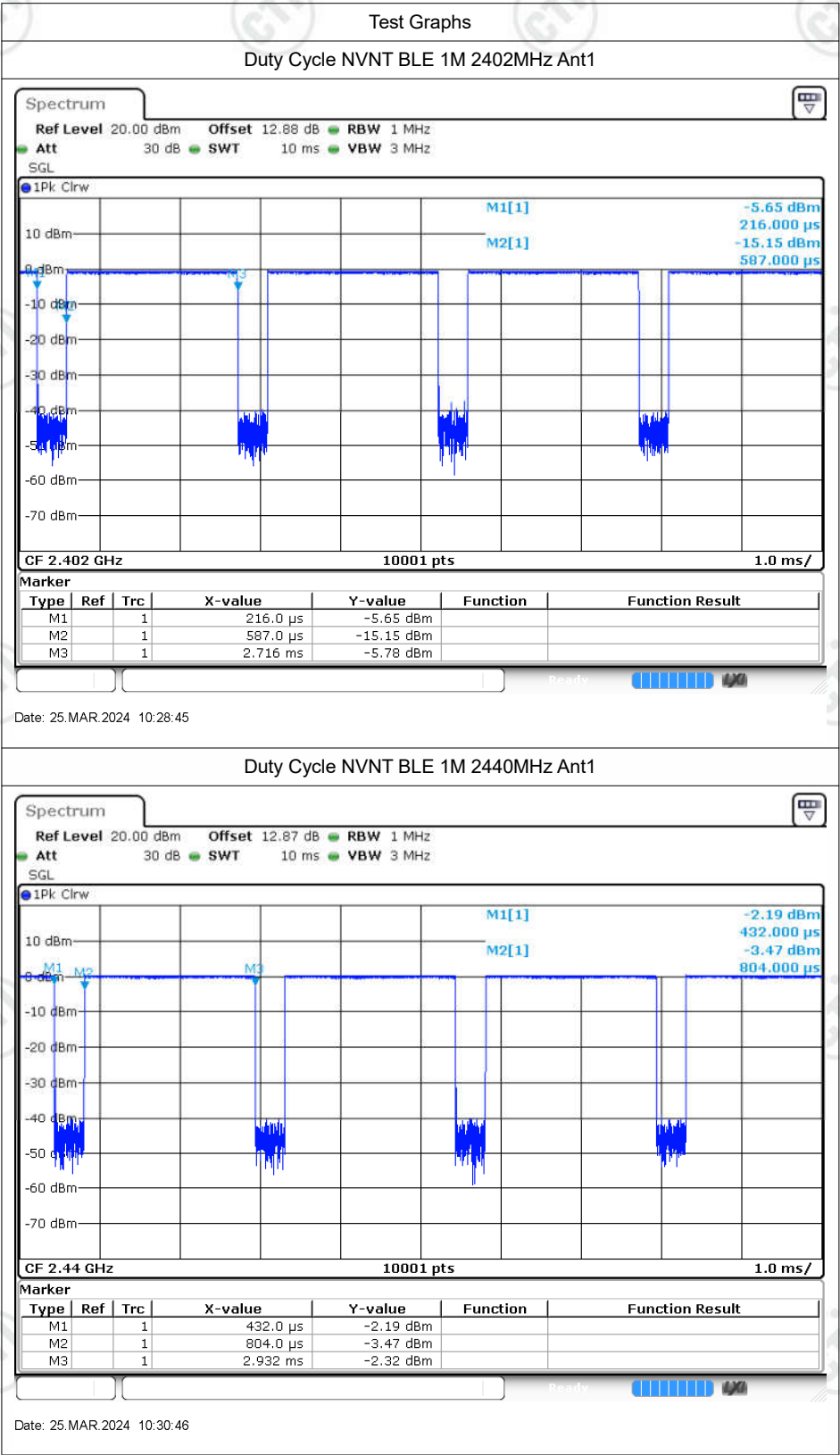
Maximum Power Spectral Density Level 15

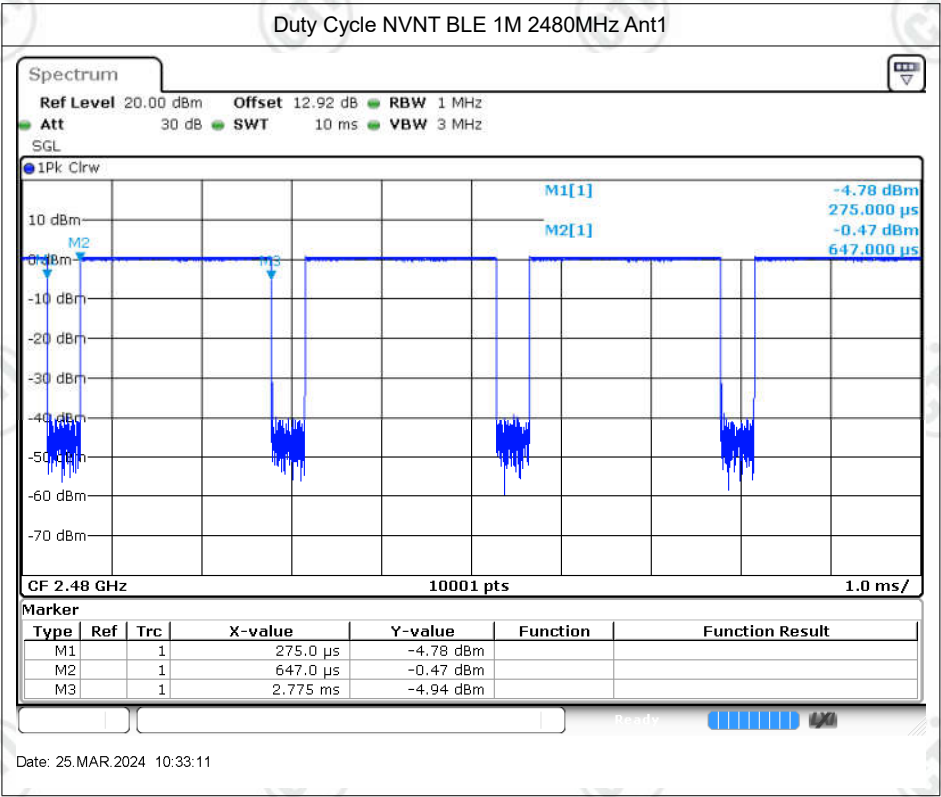
Band Edge 18

Conducted RF Spurious Emission 21

Duty Cycle

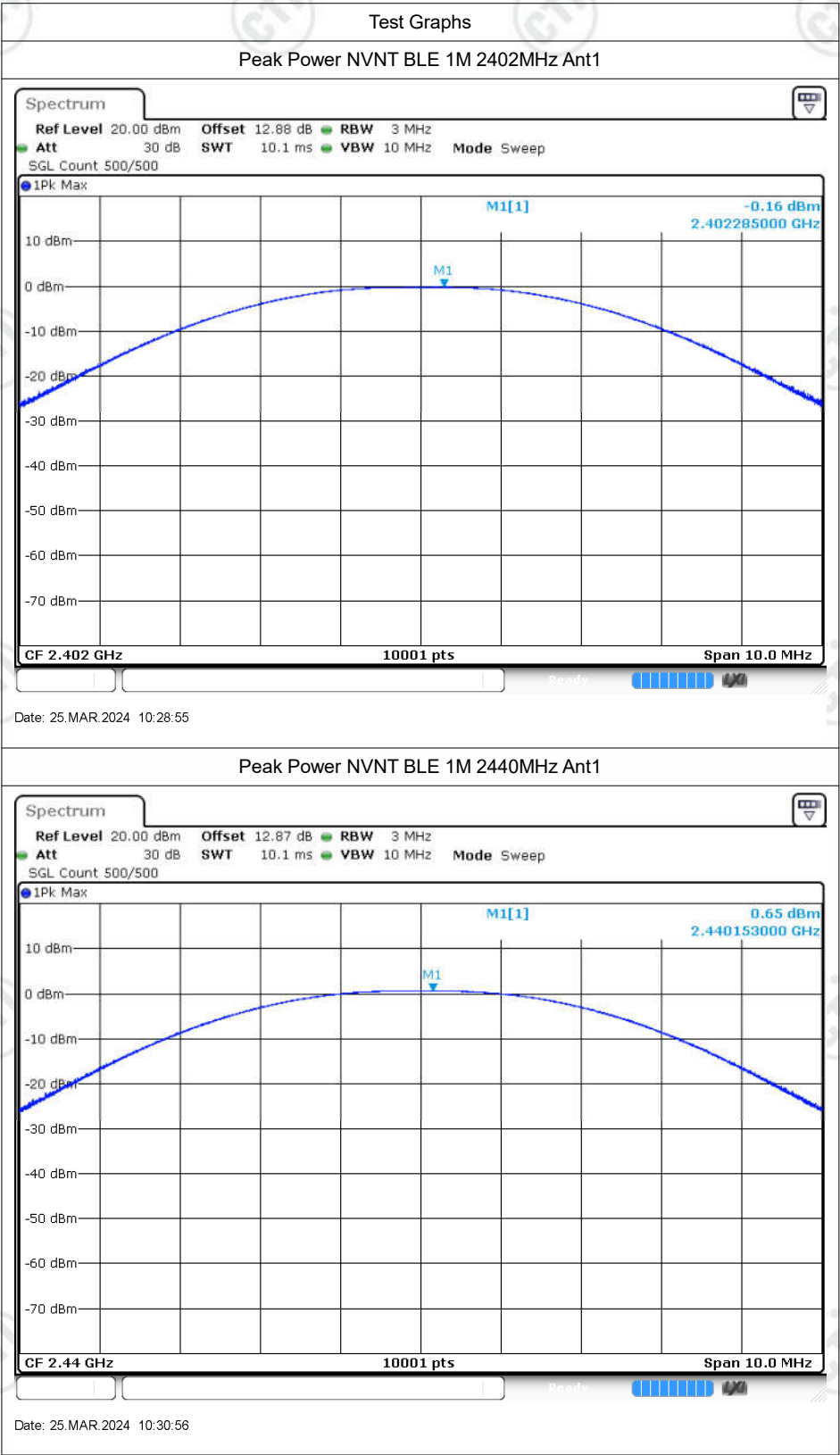
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	BLE 1M	2402	Ant1	85.16	0.7	0.47
NVNT	BLE 1M	2440	Ant1	85.12	0.7	0.47
NVNT	BLE 1M	2480	Ant1	85.12	0.7	0.47

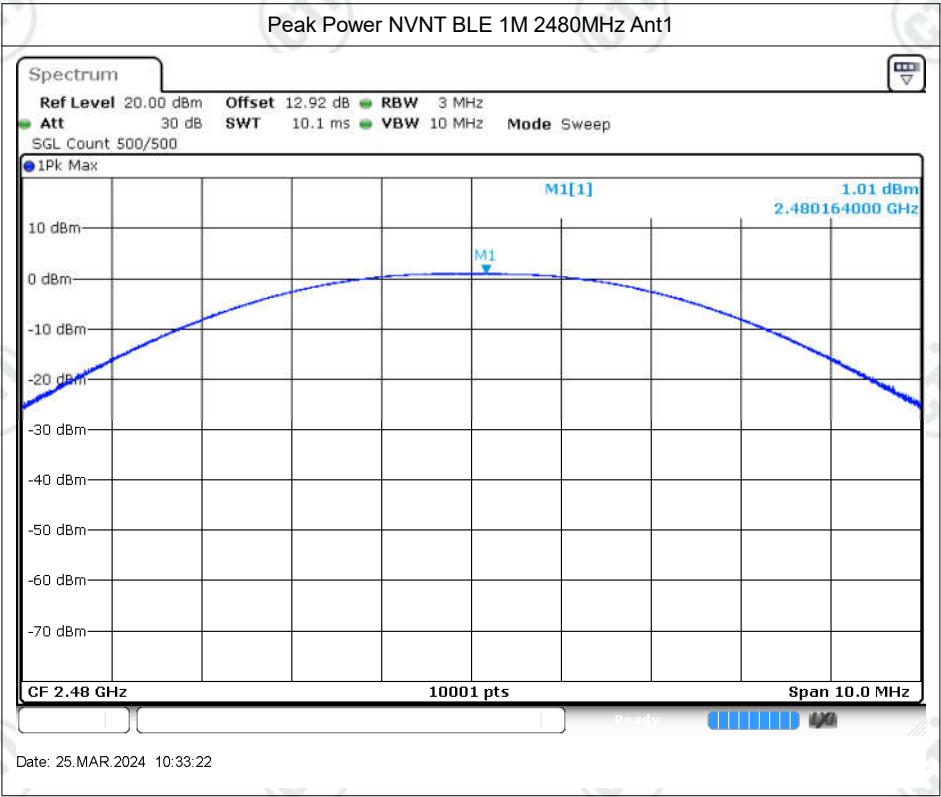




Maximum Peak Conducted Output Power

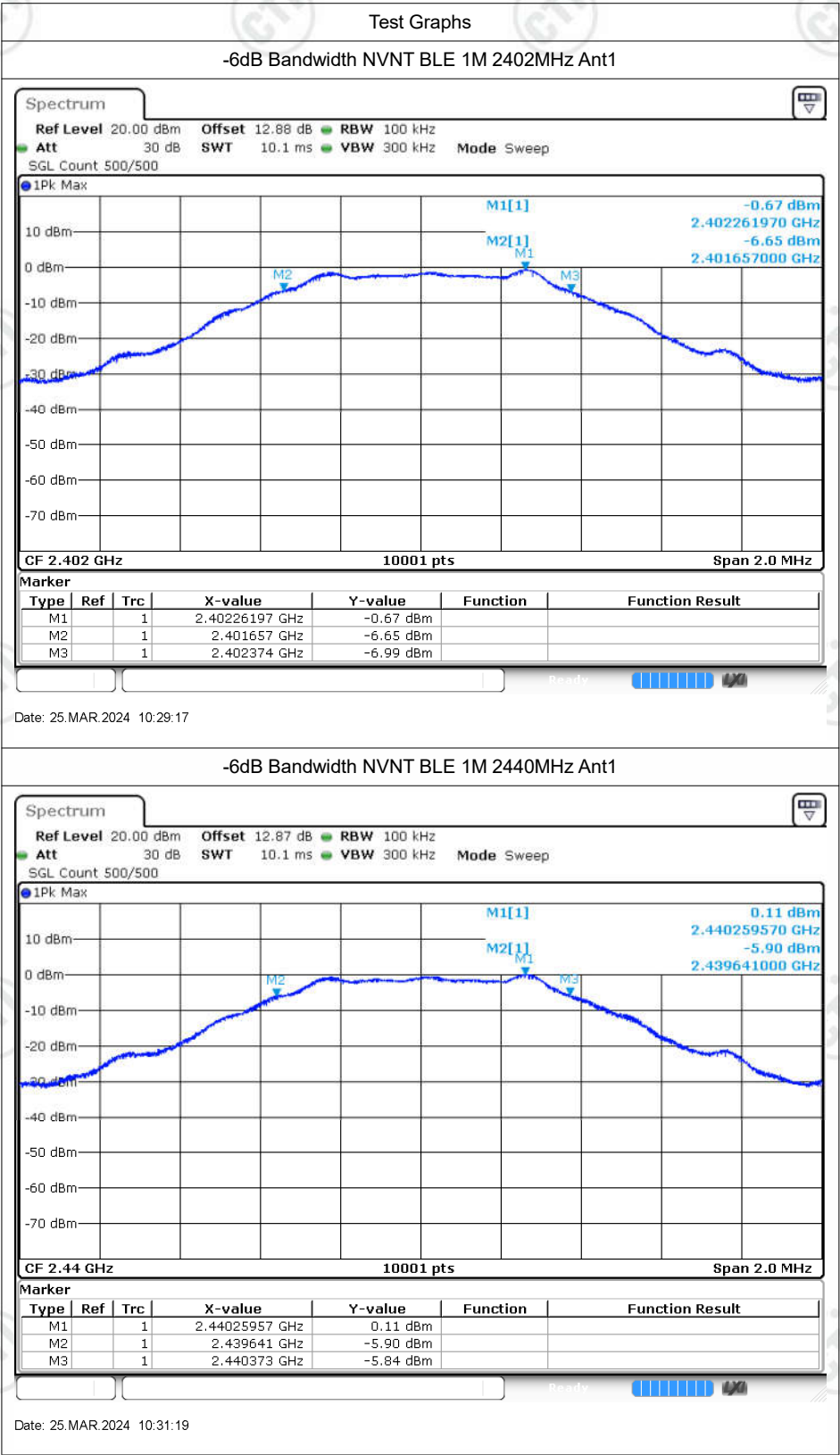
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	BLE 1M	2402	Ant1	-0.16	0	-0.16	30	Pass
NVNT	BLE 1M	2440	Ant1	0.65	0	0.65	30	Pass
NVNT	BLE 1M	2480	Ant1	1.01	0	1.01	30	Pass

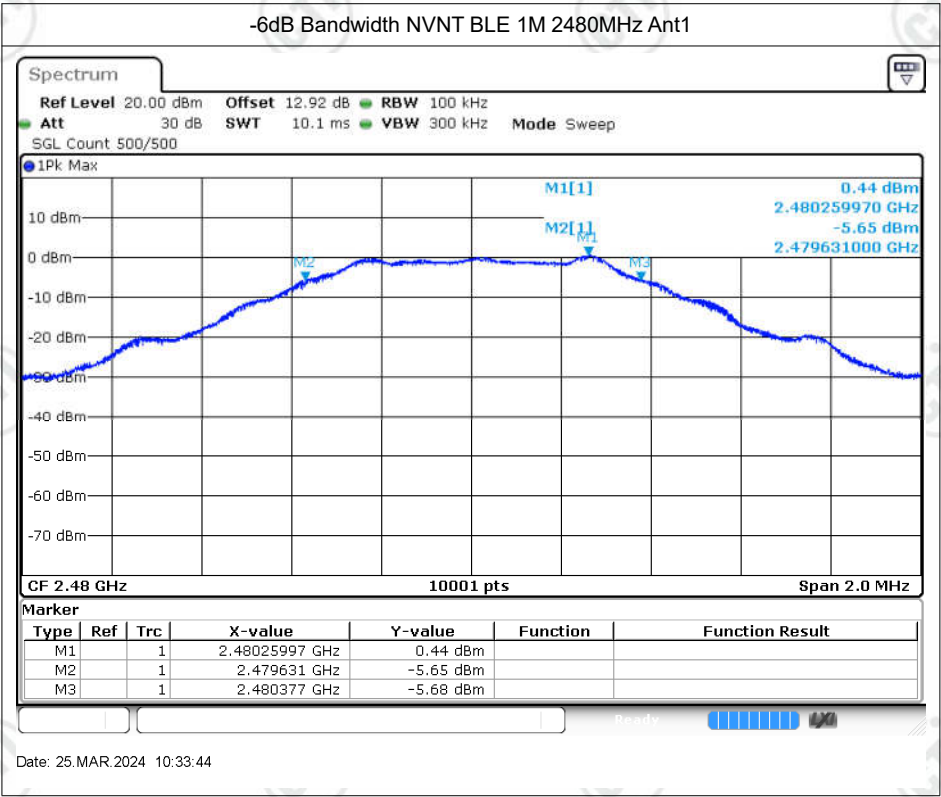




-6dB Bandwidth

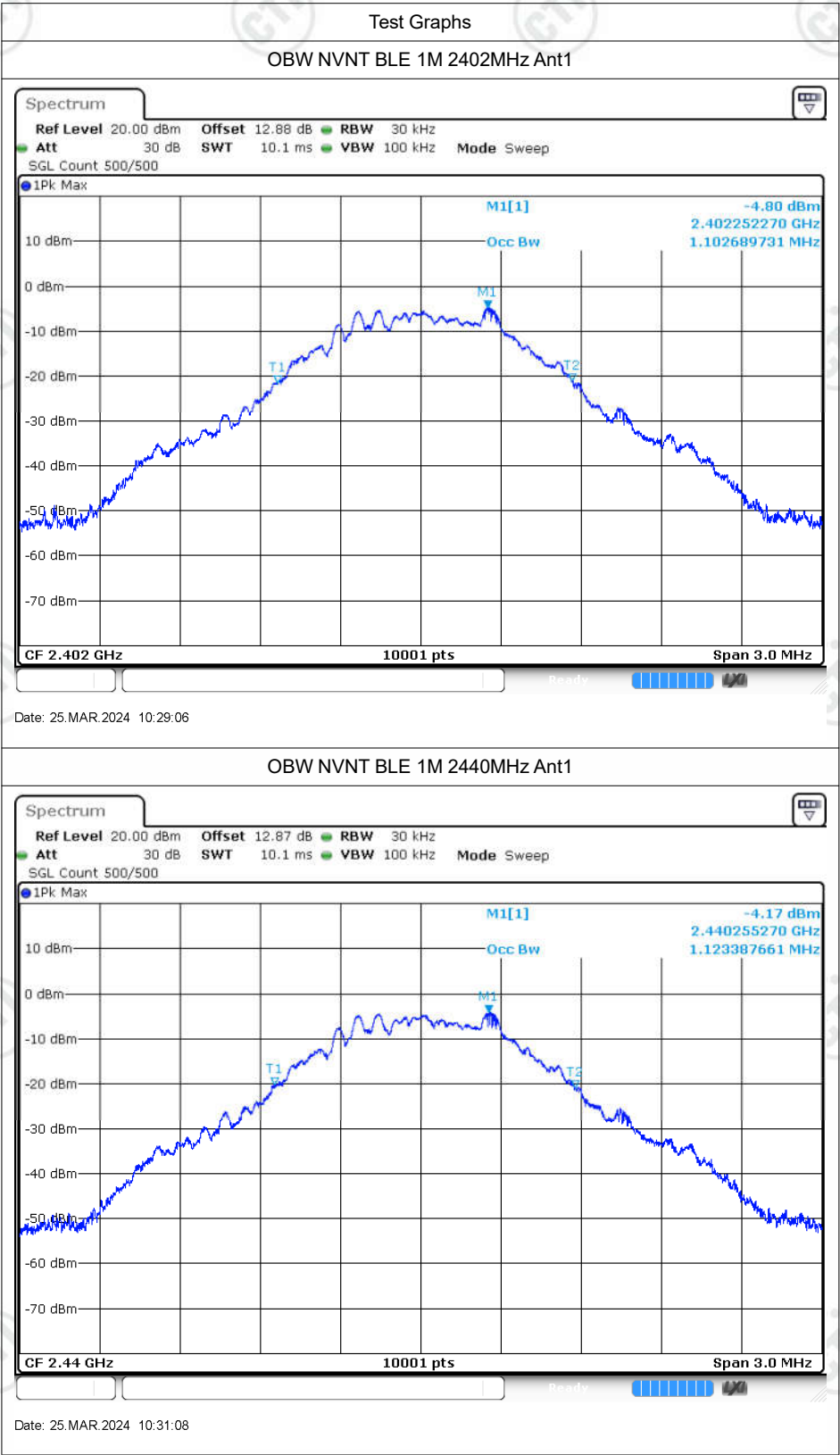
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	BLE 1M	2402	Ant1	0.717	0.5	Pass
NVNT	BLE 1M	2440	Ant1	0.732	0.5	Pass
NVNT	BLE 1M	2480	Ant1	0.746	0.5	Pass

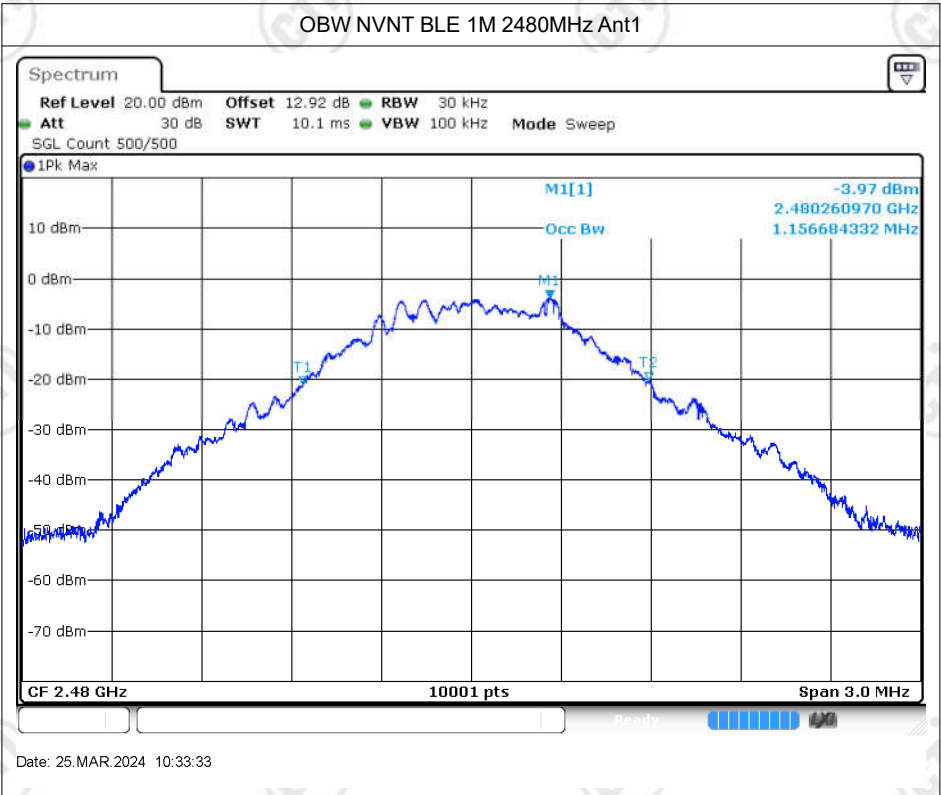




Occupied Channel Bandwidth

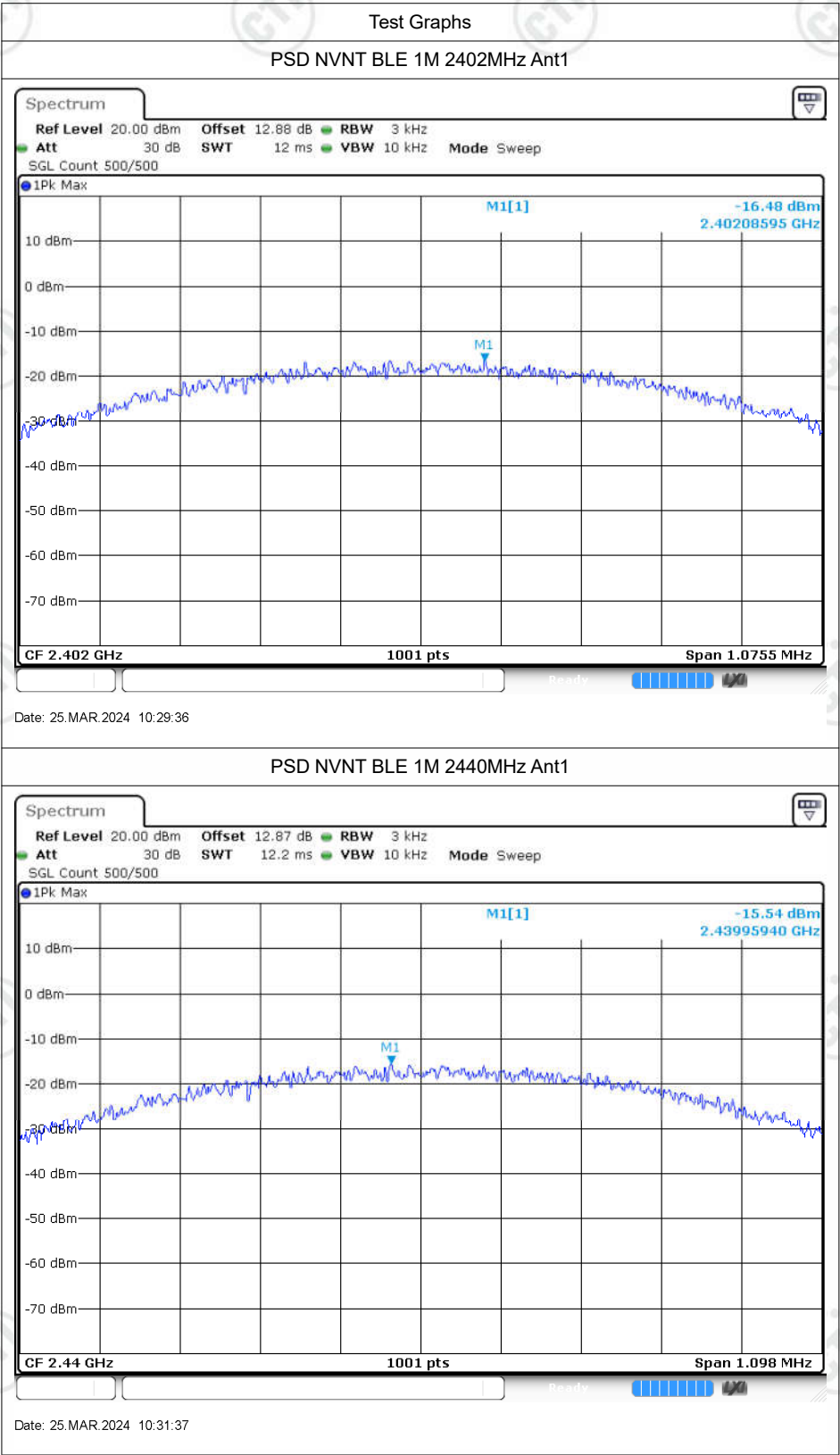
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	BLE 1M	2402	Ant1	1.103
NVNT	BLE 1M	2440	Ant1	1.123
NVNT	BLE 1M	2480	Ant1	1.157

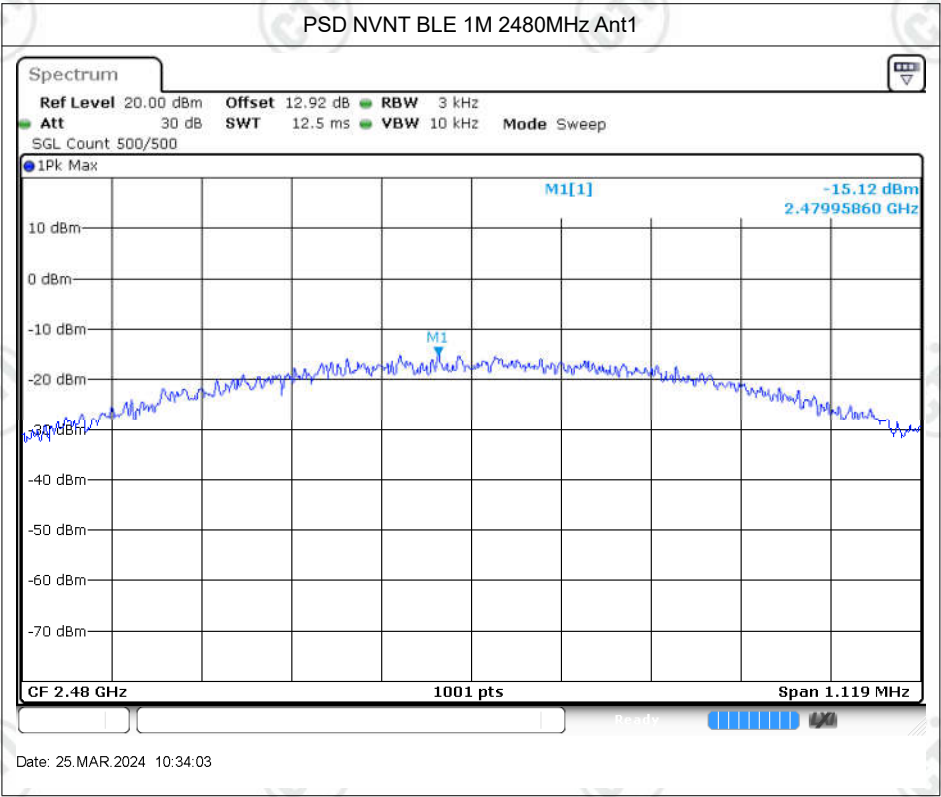




Maximum Power Spectral Density Level

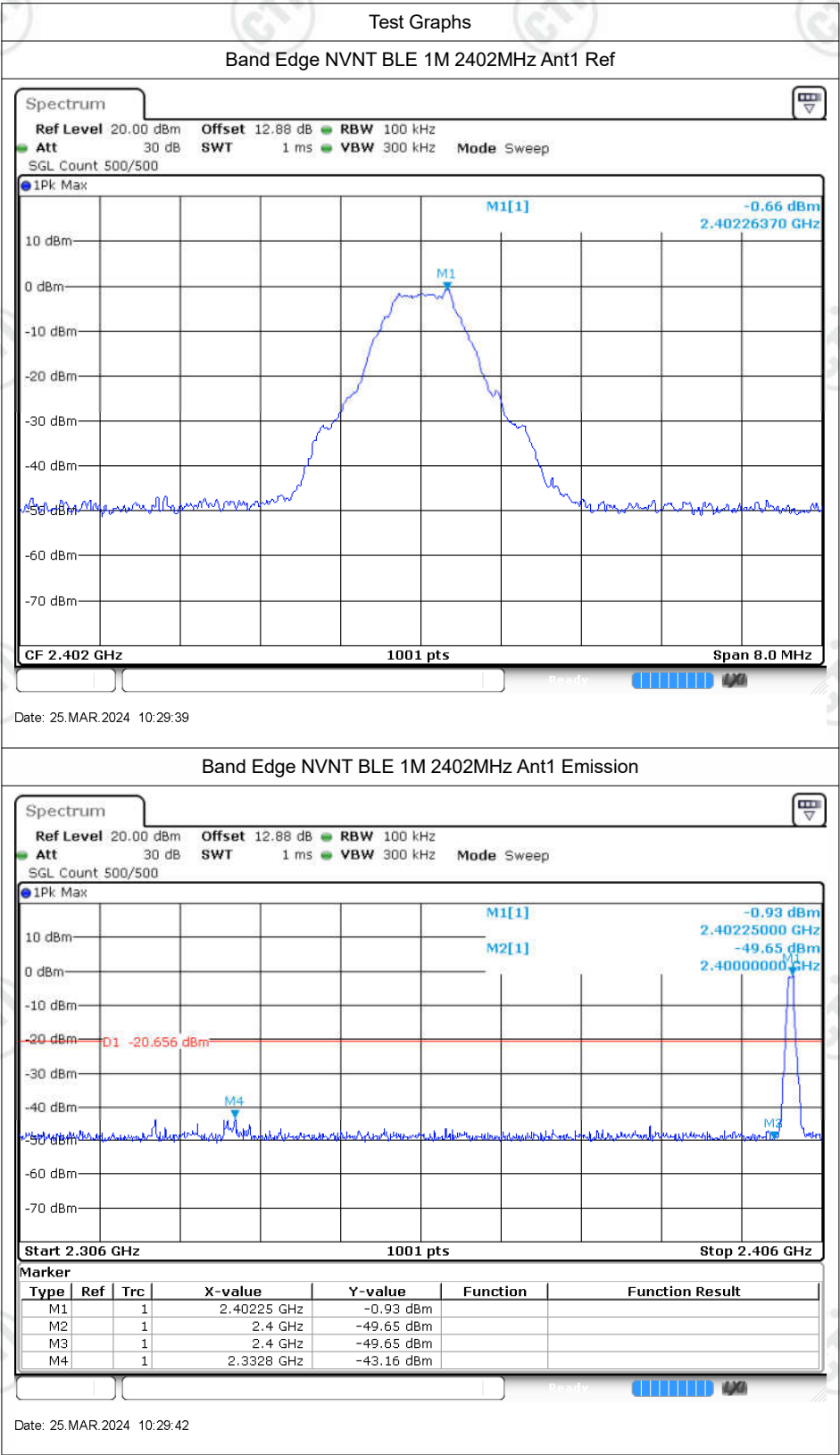
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/3kHz)	Duty Factor (dB)	Total PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
NVNT	BLE 1M	2402	Ant1	-16.48	0	-16.48	8	Pass
NVNT	BLE 1M	2440	Ant1	-15.54	0	-15.54	8	Pass
NVNT	BLE 1M	2480	Ant1	-15.12	0	-15.12	8	Pass

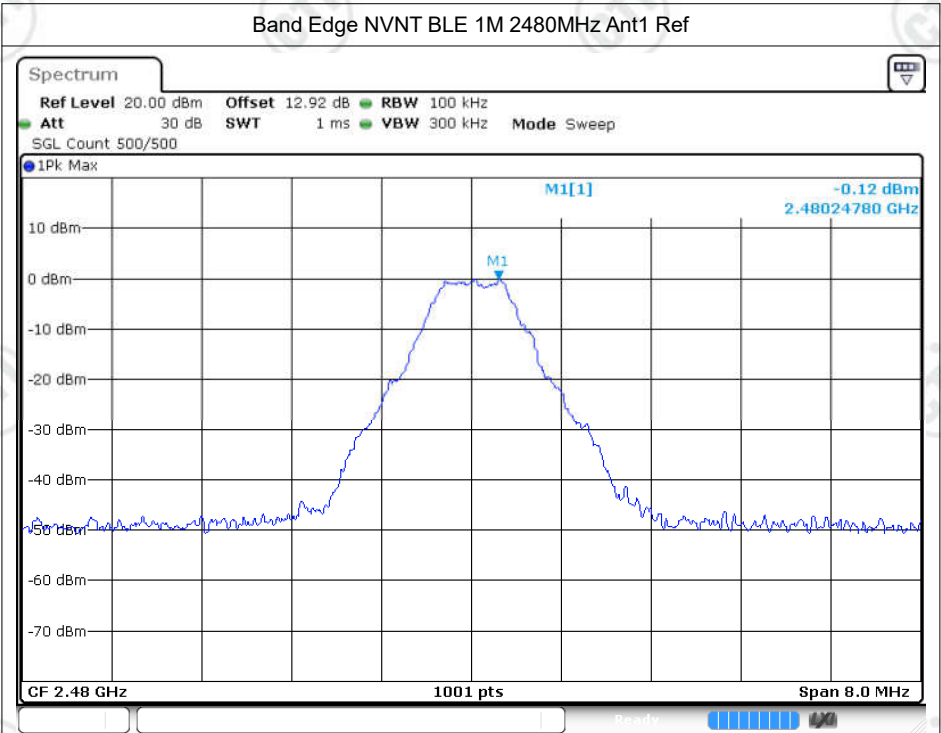




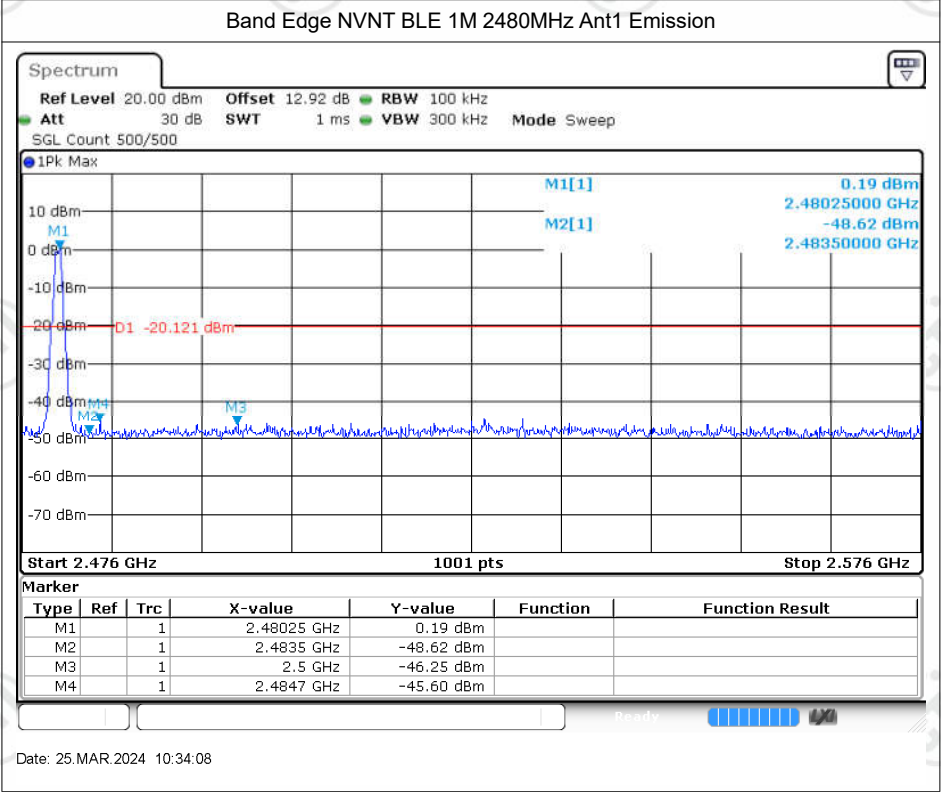
Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE 1M	2402	Ant1	-42.49	-20	Pass
NVNT	BLE 1M	2480	Ant1	-45.48	-20	Pass





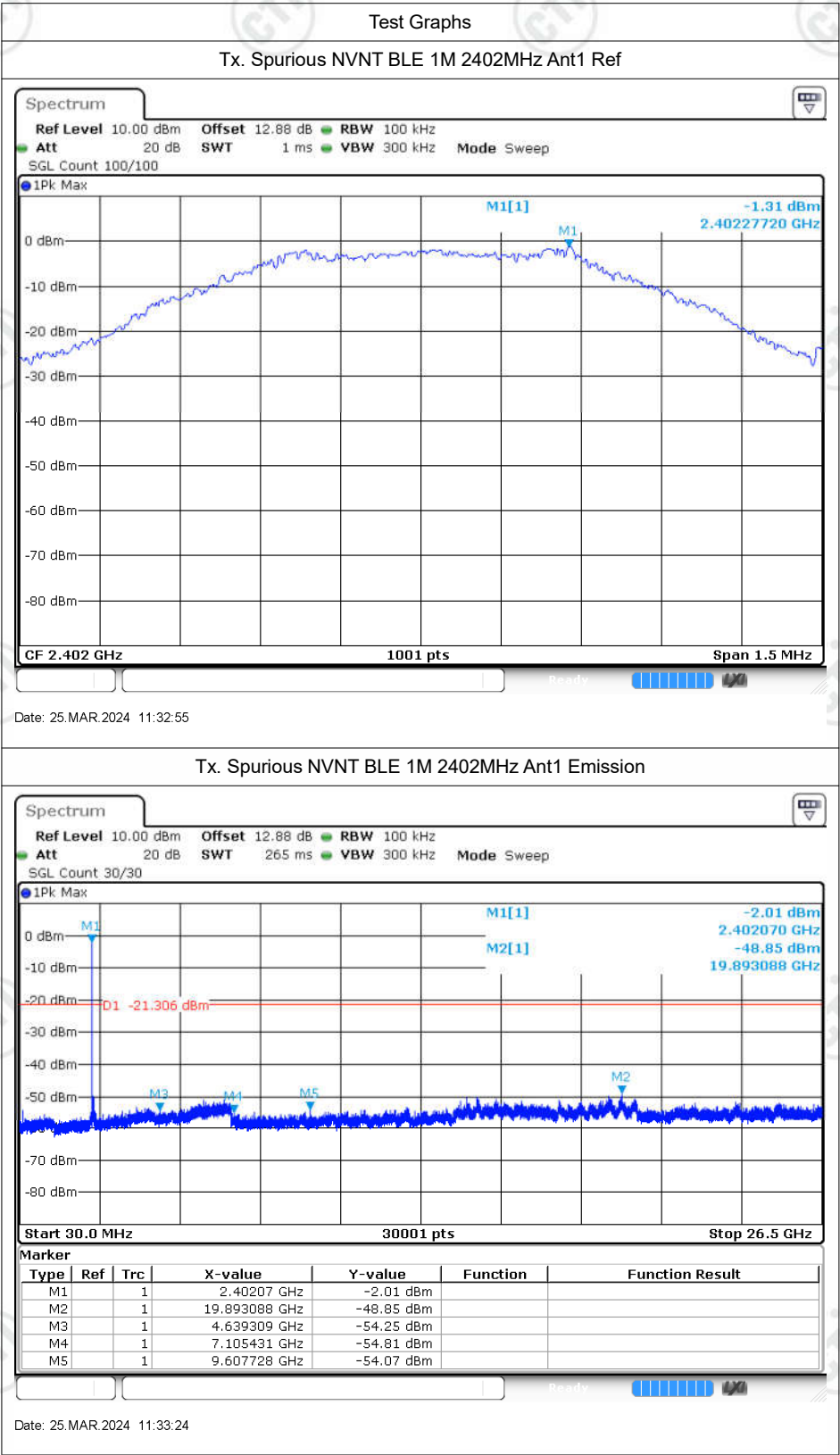
Date: 25.MAR.2024 10:34:06

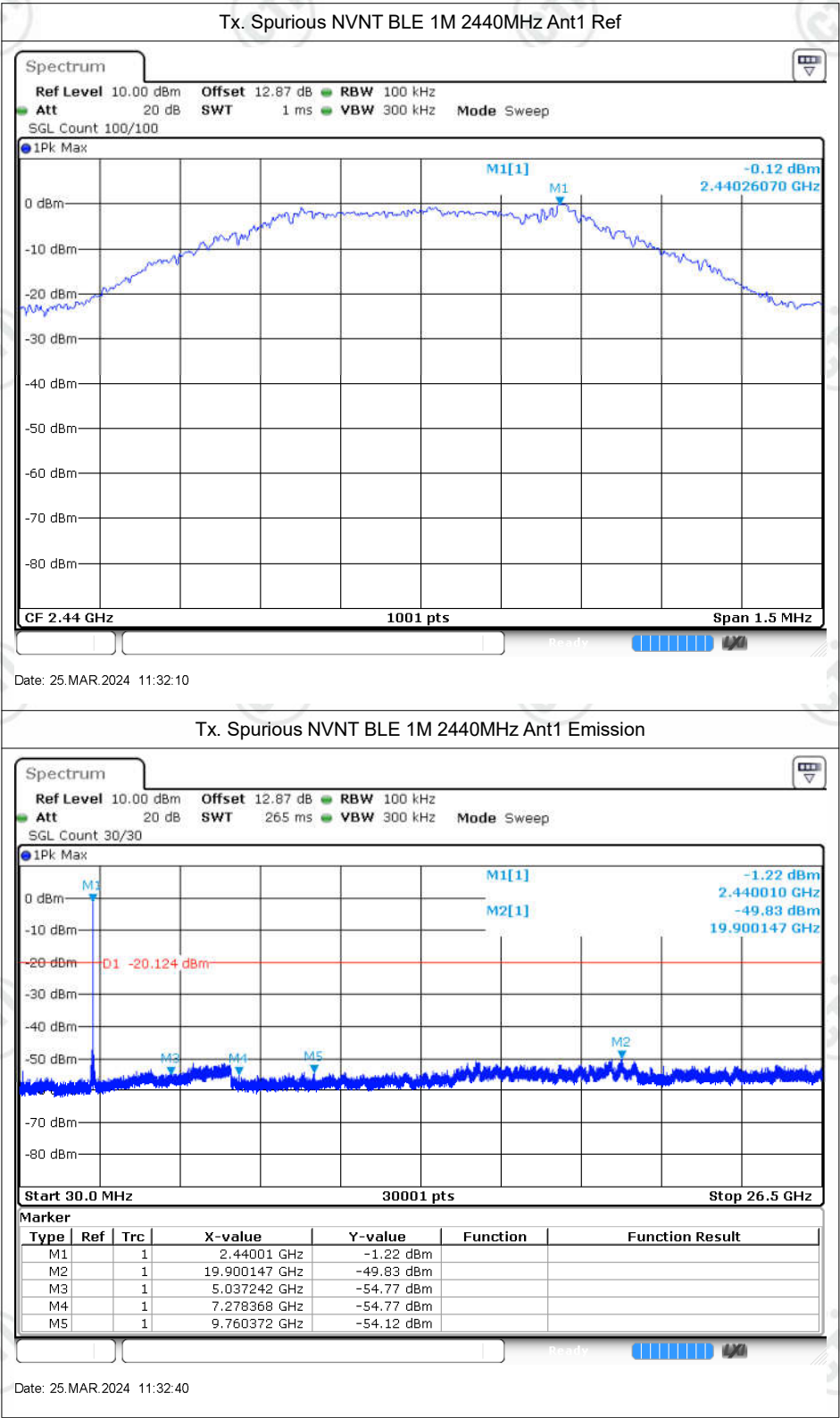


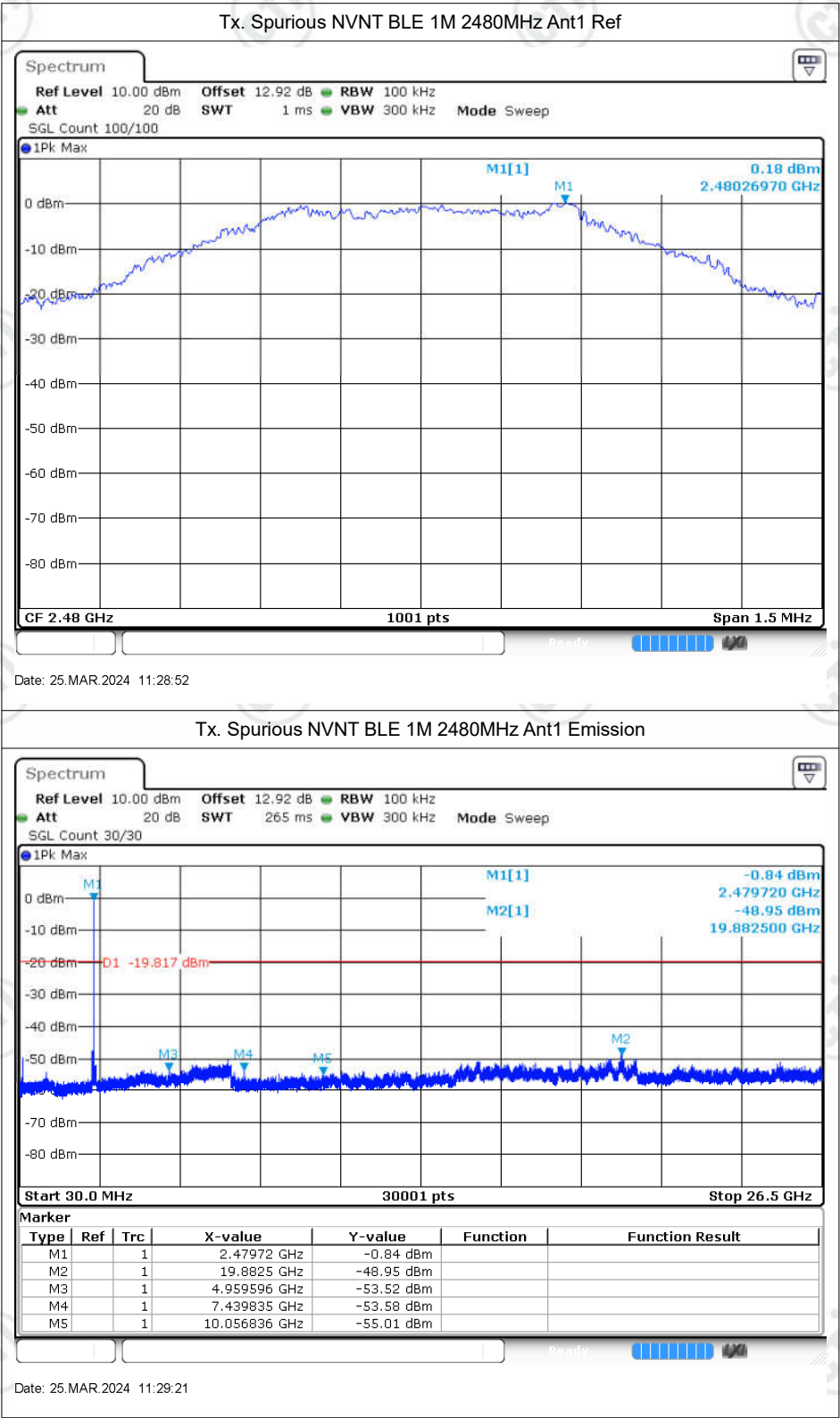
Date: 25.MAR.2024 10:34:08

Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE 1M	2402	Ant1	-47.54	-20	Pass
NVNT	BLE 1M	2440	Ant1	-49.7	-20	Pass
NVNT	BLE 1M	2480	Ant1	-49.13	-20	Pass







END OF REPORT