

Appendix: Bluetooth LE

Contents

Duty Cycle 3

Maximum Peak Conducted Output Power 6

-6dB Bandwidth 9

Occupied Channel Bandwidth 12

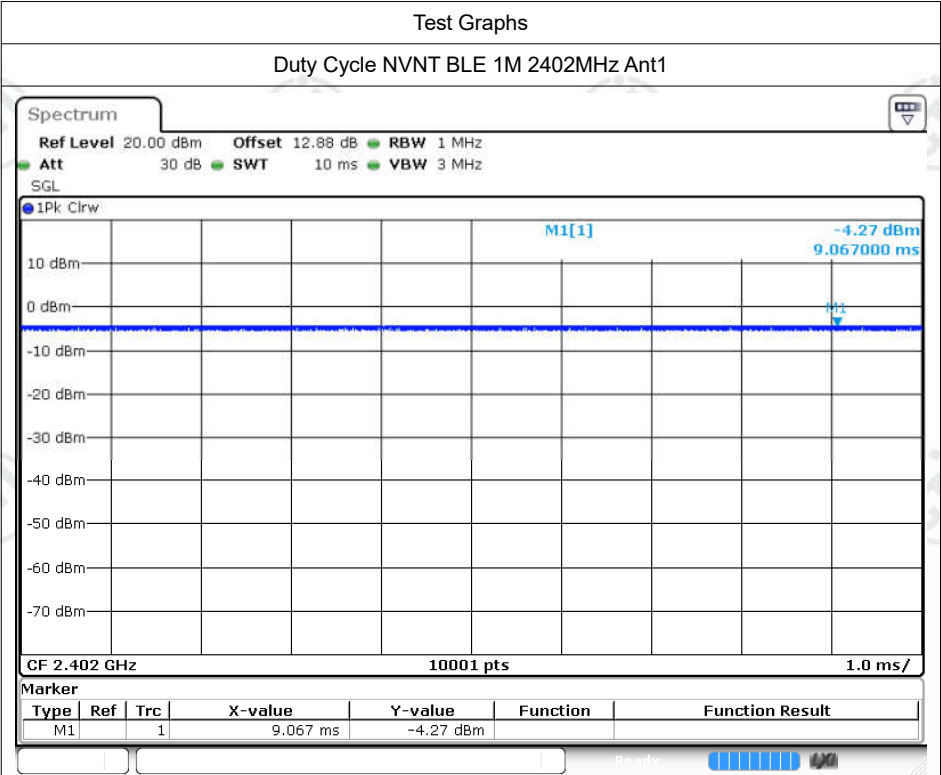
Maximum Power Spectral Density Level 15

Band Edge 18

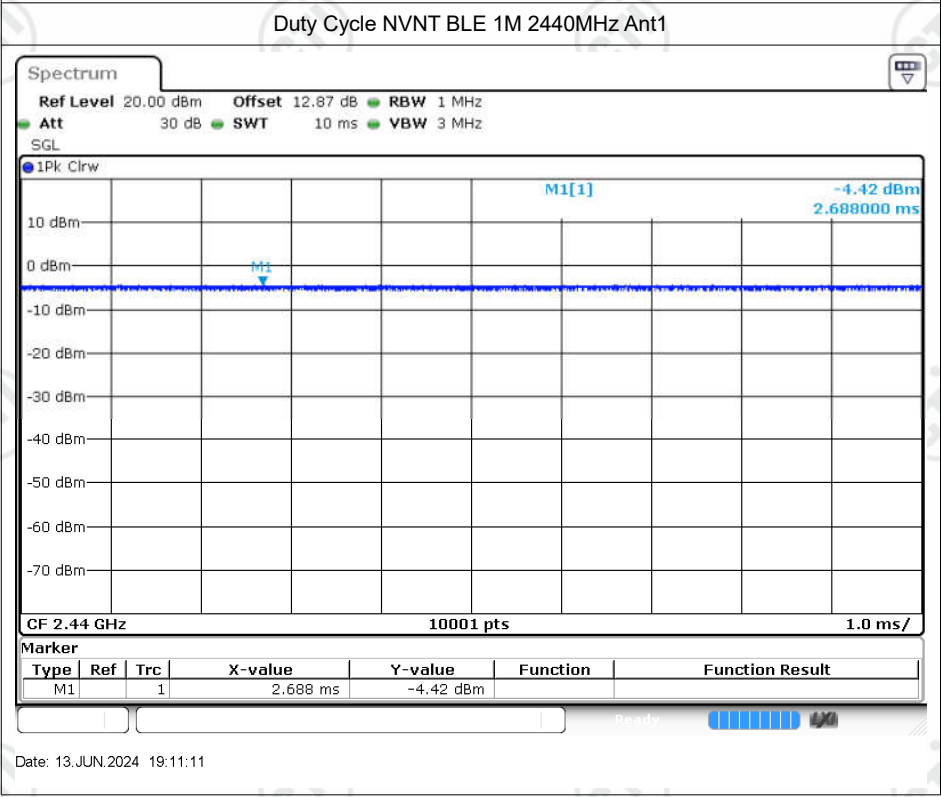
Conducted RF Spurious Emission 21

Duty Cycle

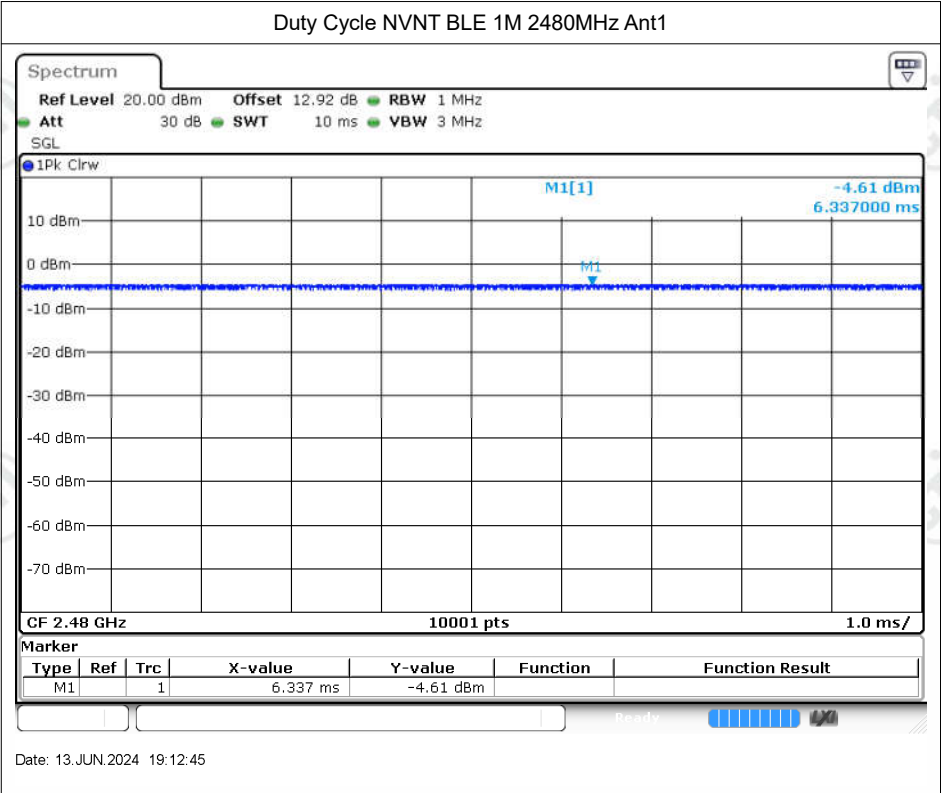
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	BLE 1M	2402	Ant1	100	0	0
NVNT	BLE 1M	2440	Ant1	100	0	0
NVNT	BLE 1M	2480	Ant1	100	0	0



Date: 13.JUN.2024 19:09:28

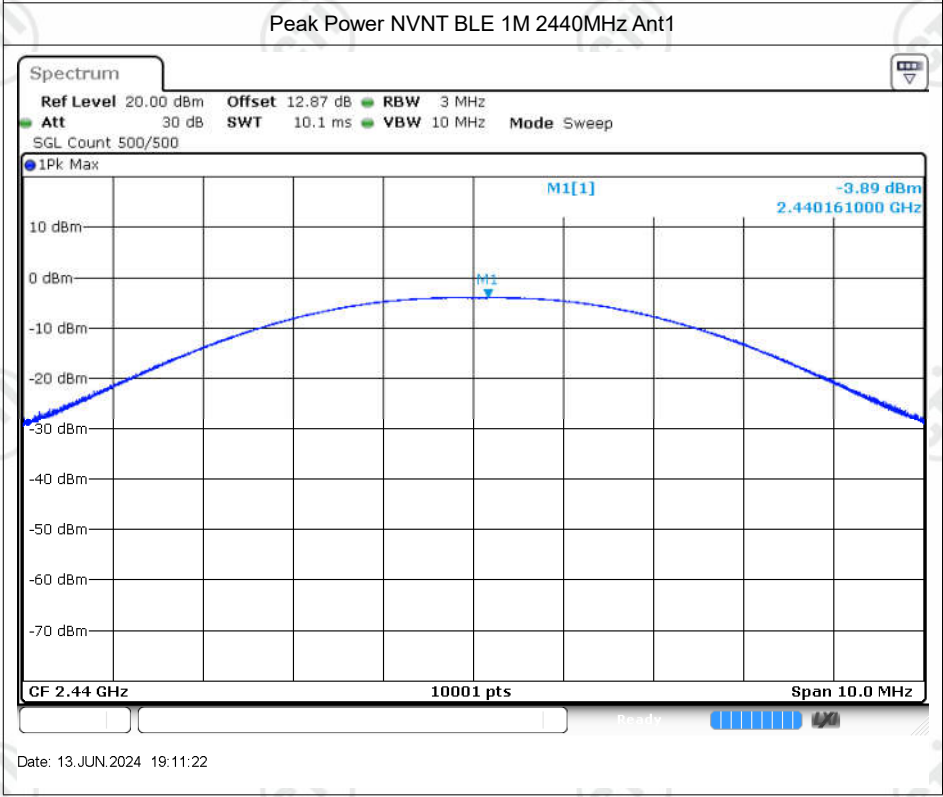
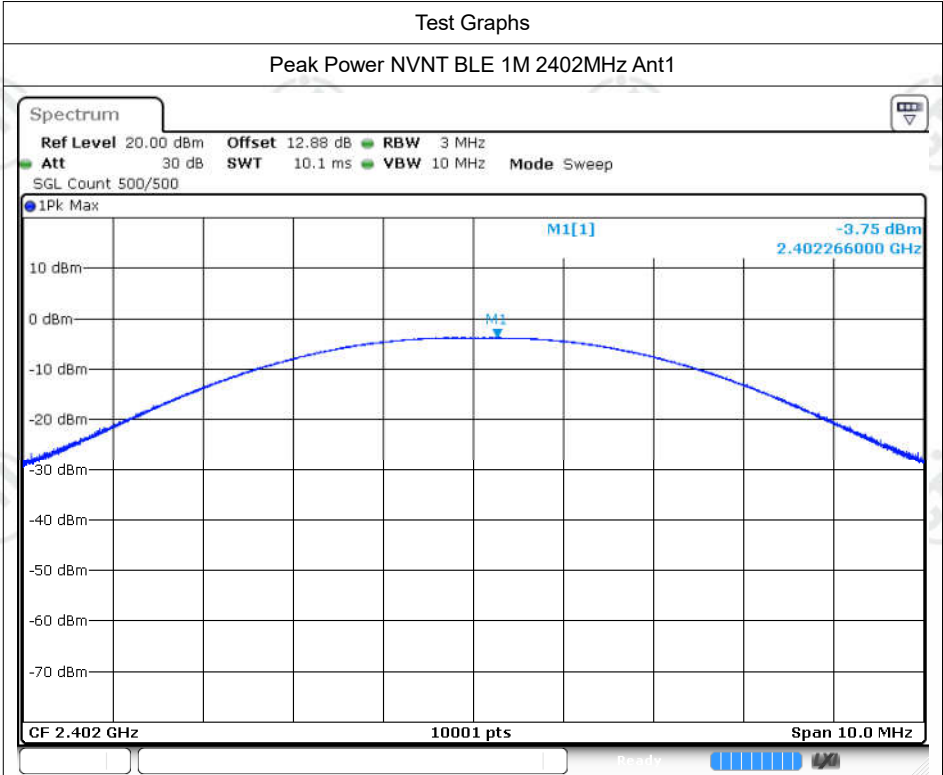


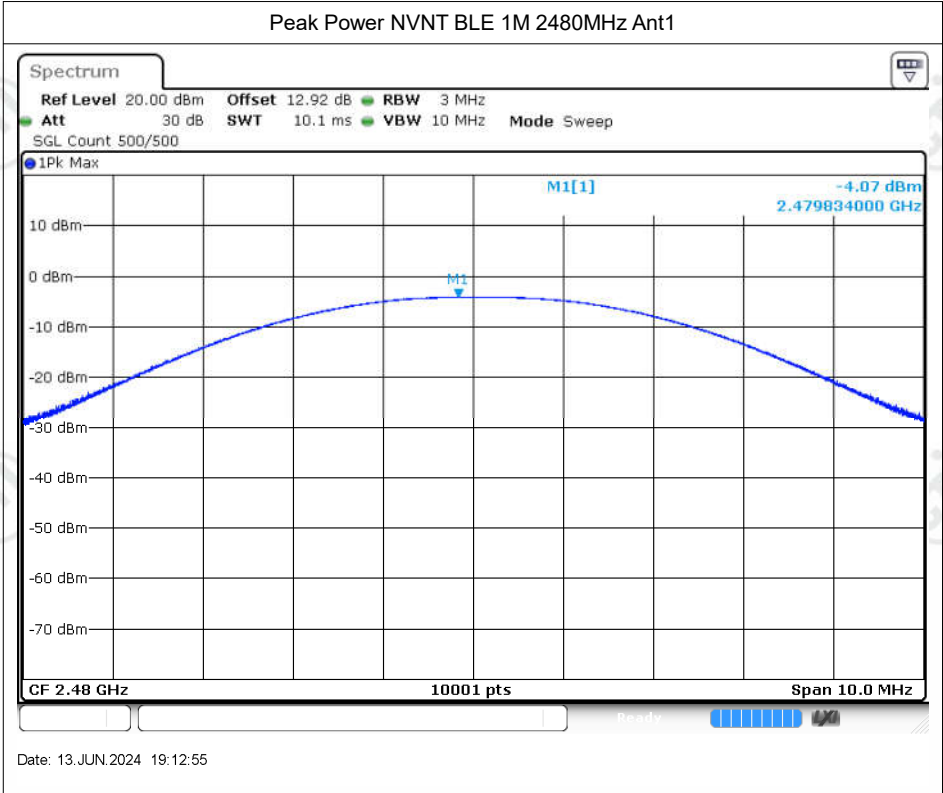
Date: 13.JUN.2024 19:11:11



Maximum Peak Conducted Output Power

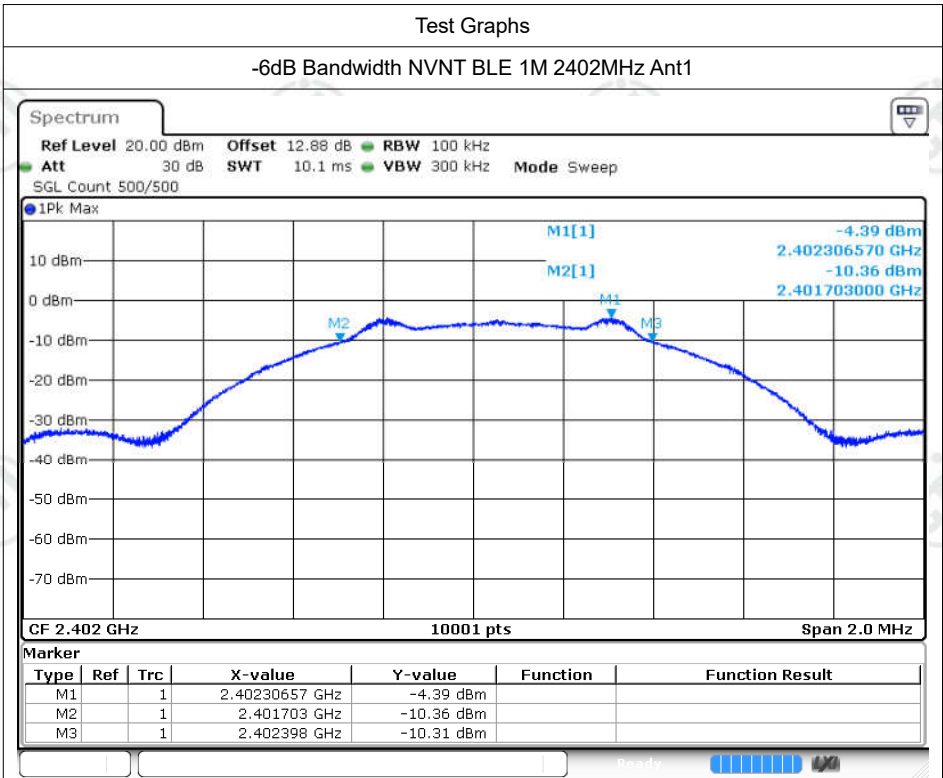
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	BLE 1M	2402	Ant1	-3.75	0	-3.75	30	Pass
NVNT	BLE 1M	2440	Ant1	-3.89	0	-3.89	30	Pass
NVNT	BLE 1M	2480	Ant1	-4.07	0	-4.07	30	Pass



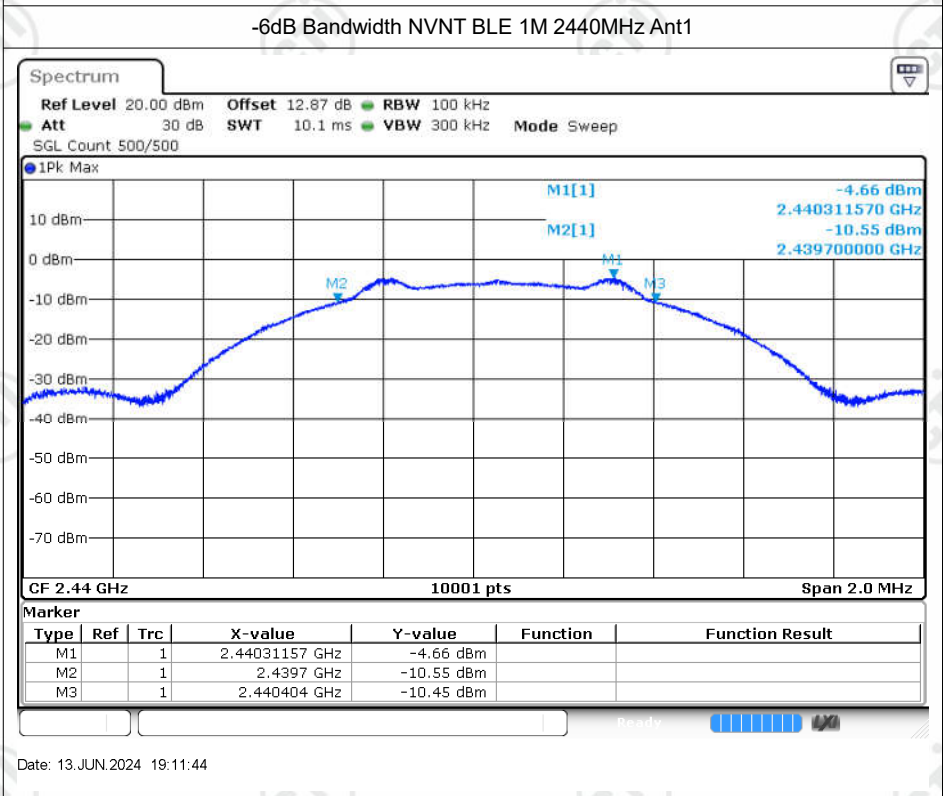


-6dB Bandwidth

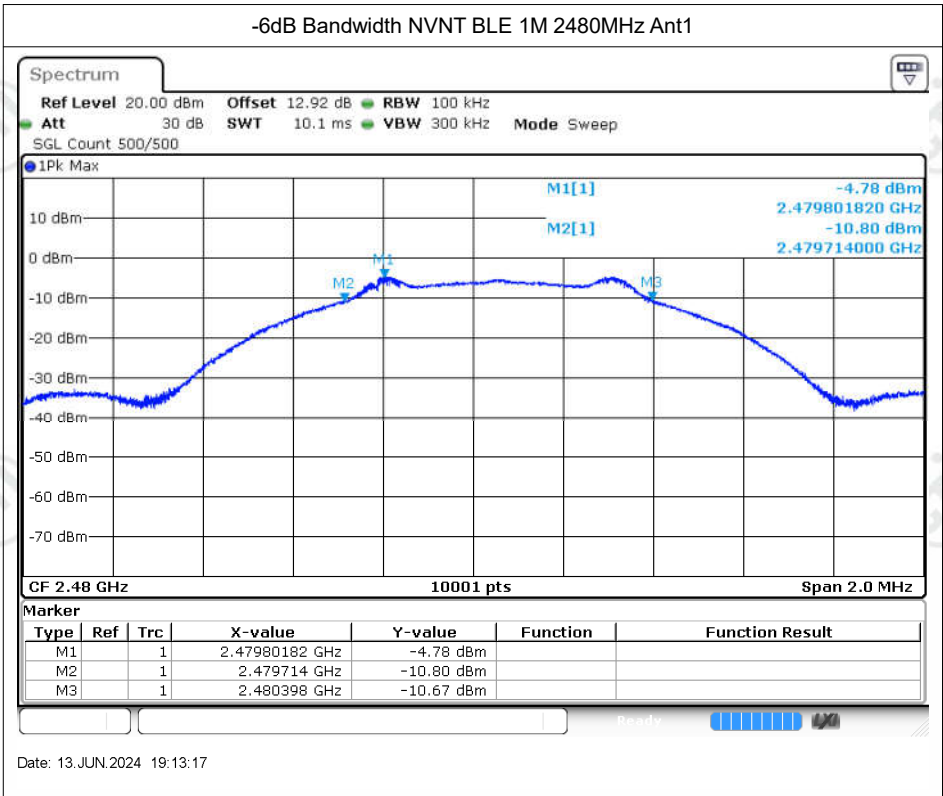
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	BLE 1M	2402	Ant1	0.696	0.5	Pass
NVNT	BLE 1M	2440	Ant1	0.704	0.5	Pass
NVNT	BLE 1M	2480	Ant1	0.684	0.5	Pass



Date: 13.JUN.2024 19:10:04

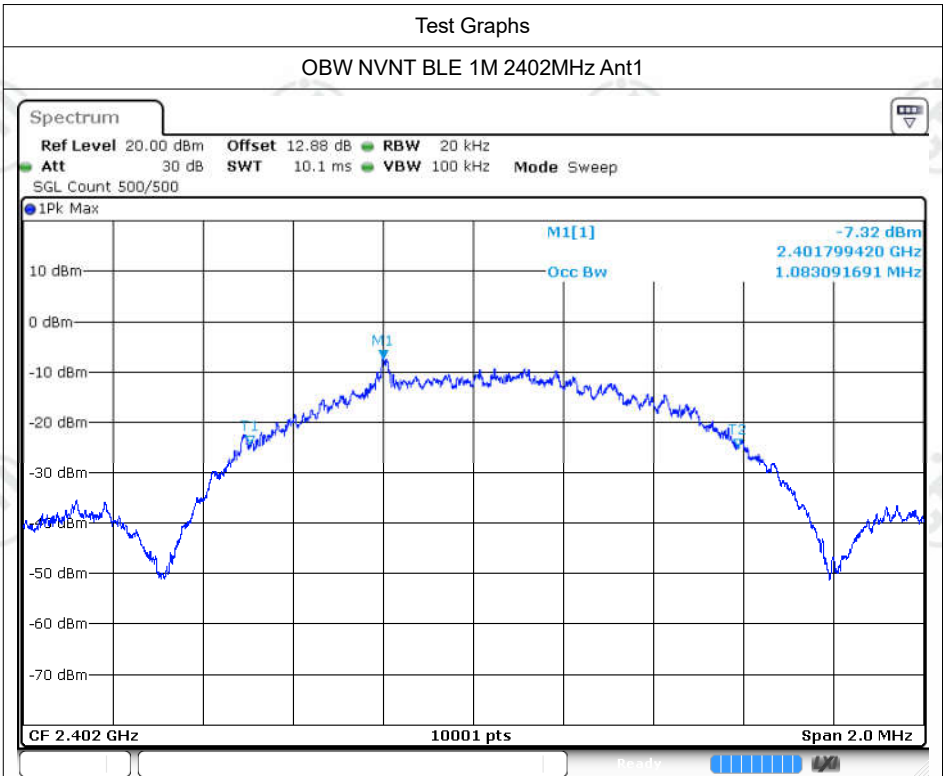


Date: 13.JUN.2024 19:11:44

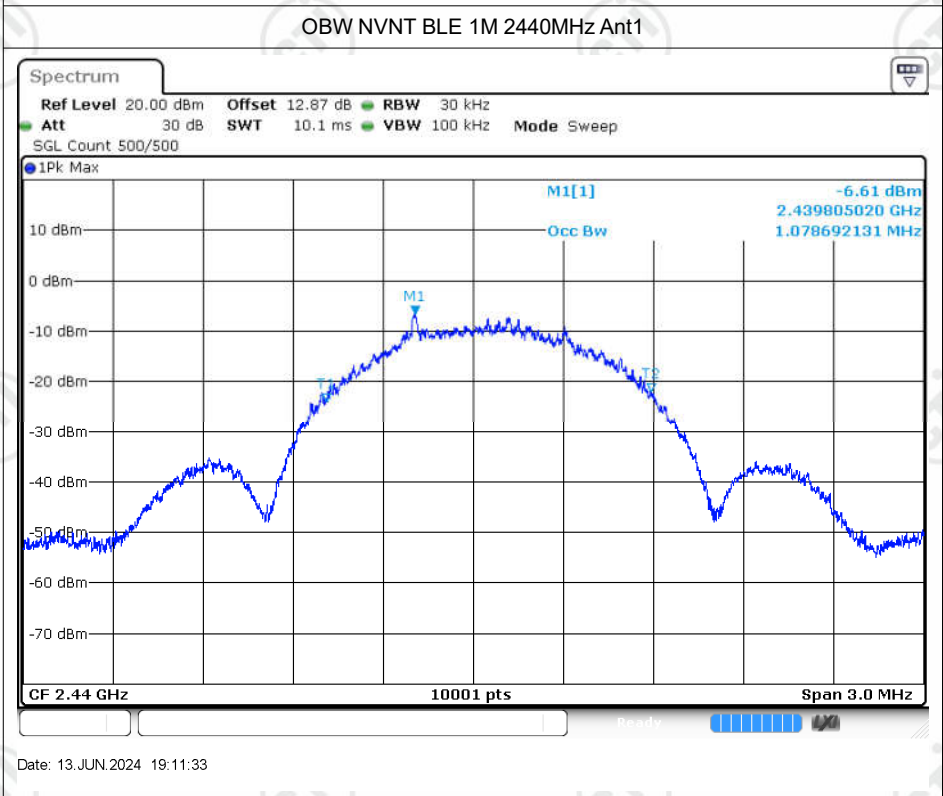


Occupied Channel Bandwidth

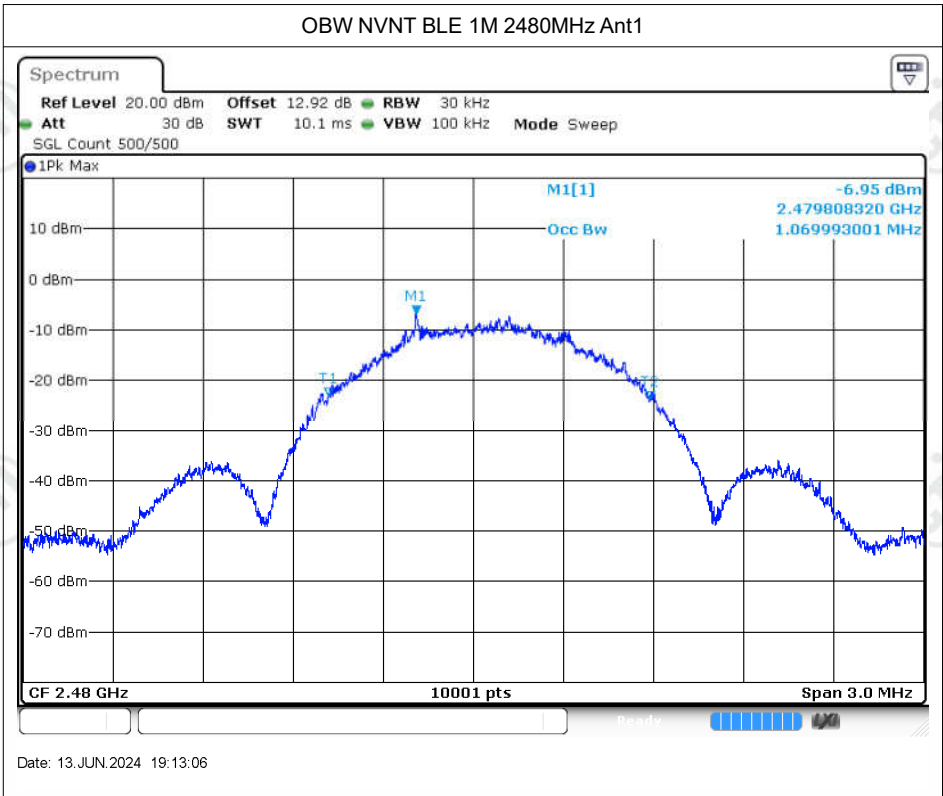
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	BLE 1M	2402	Ant1	1.083
NVNT	BLE 1M	2440	Ant1	1.079
NVNT	BLE 1M	2480	Ant1	1.07



Date: 13. JUN. 2024 19:14:42

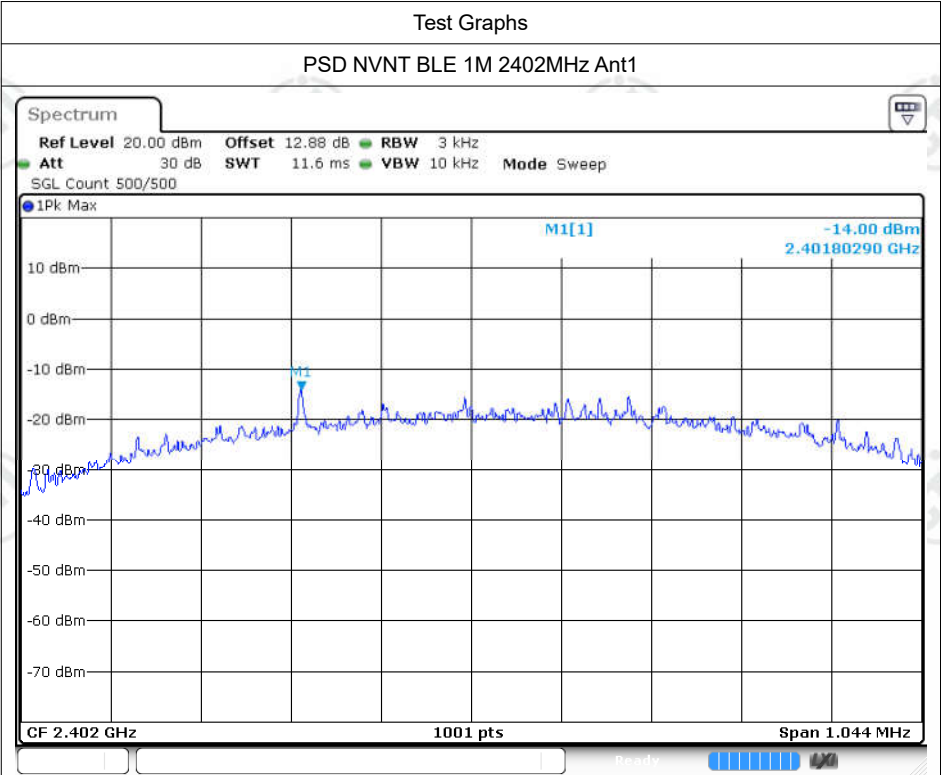


Date: 13. JUN. 2024 19:11:33

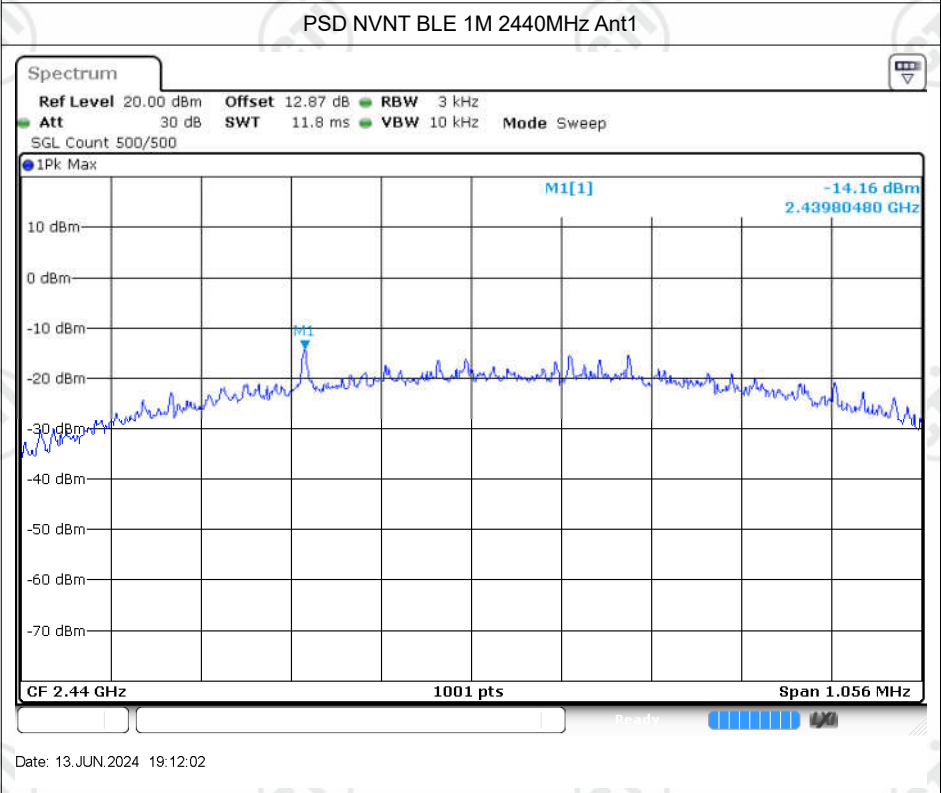


Maximum Power Spectral Density Level

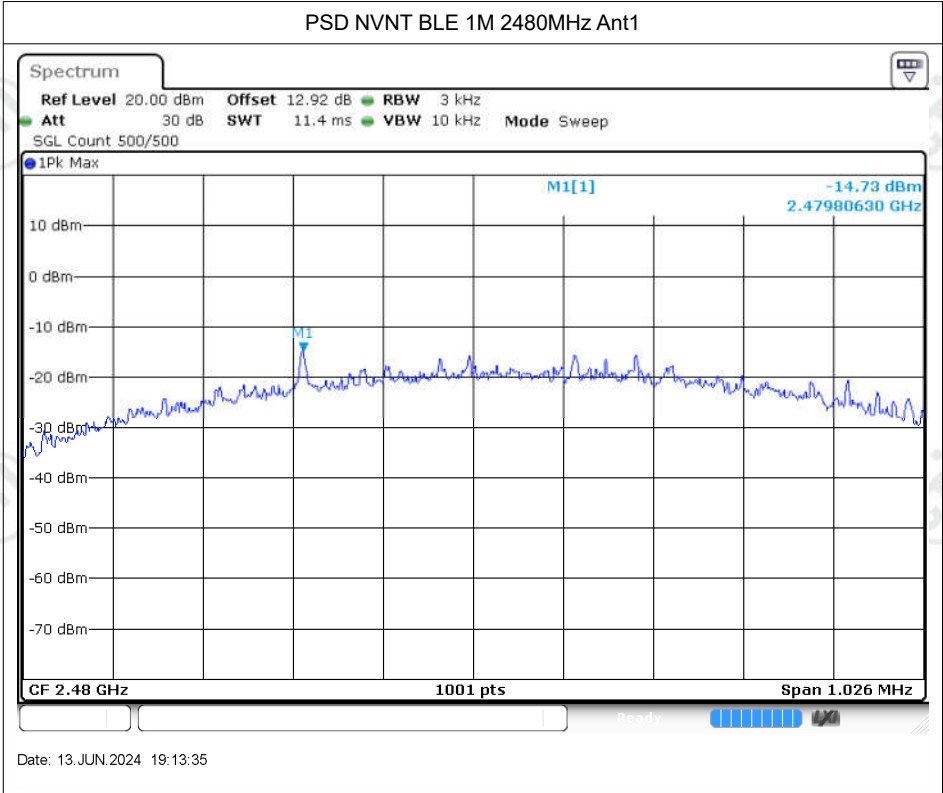
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/3kHz)	Duty Factor (dB)	Total PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
NVNT	BLE 1M	2402	Ant1	-14	0	-14	8	Pass
NVNT	BLE 1M	2440	Ant1	-14.16	0	-14.16	8	Pass
NVNT	BLE 1M	2480	Ant1	-14.73	0	-14.73	8	Pass



Date: 13.JUN.2024 19:10:22

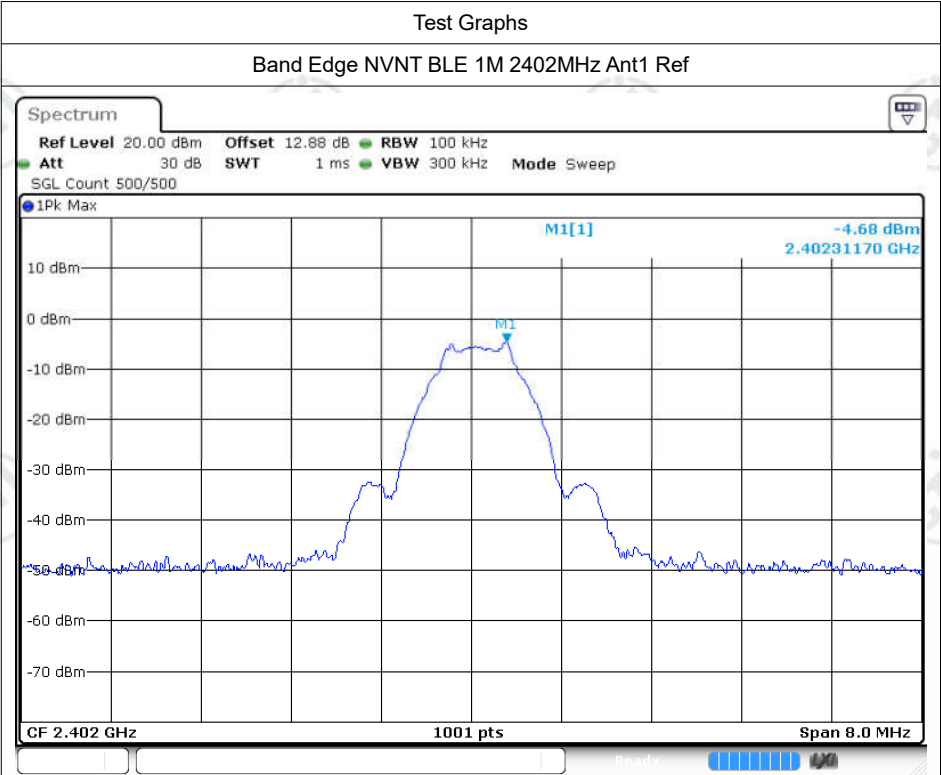


Date: 13.JUN.2024 19:12:02

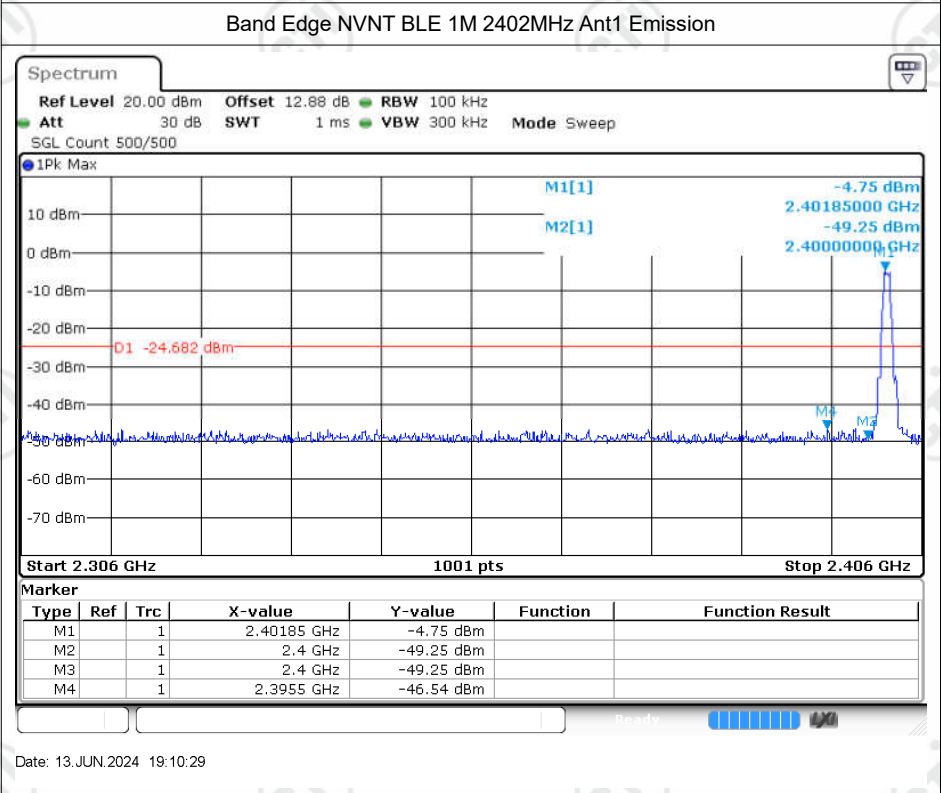


Band Edge

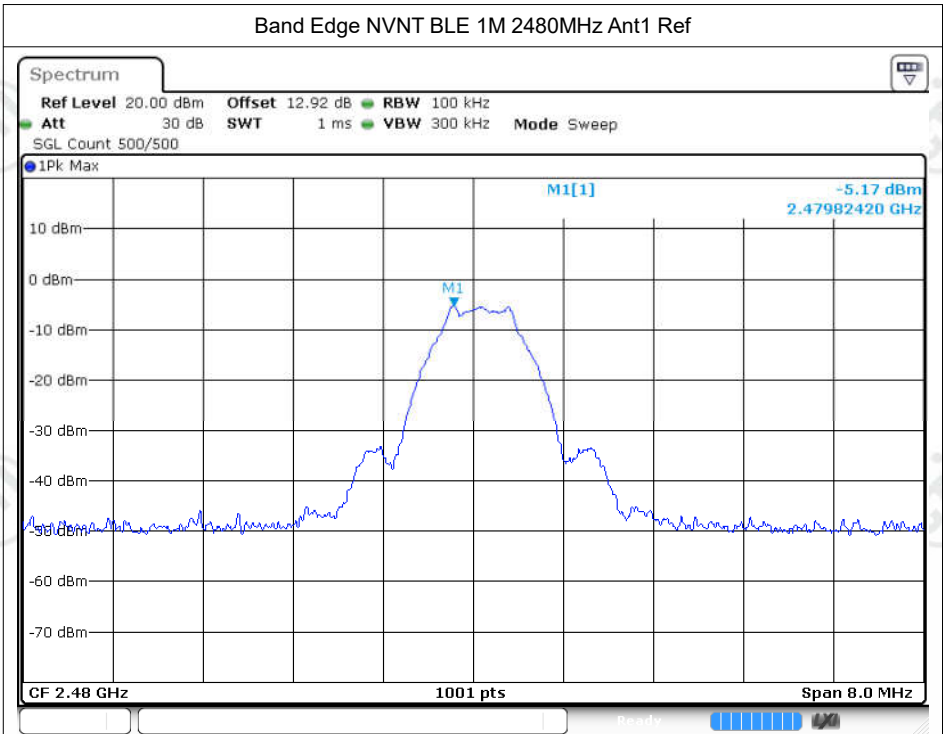
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE 1M	2402	Ant1	-41.86	-20	Pass
NVNT	BLE 1M	2480	Ant1	-40.97	-20	Pass



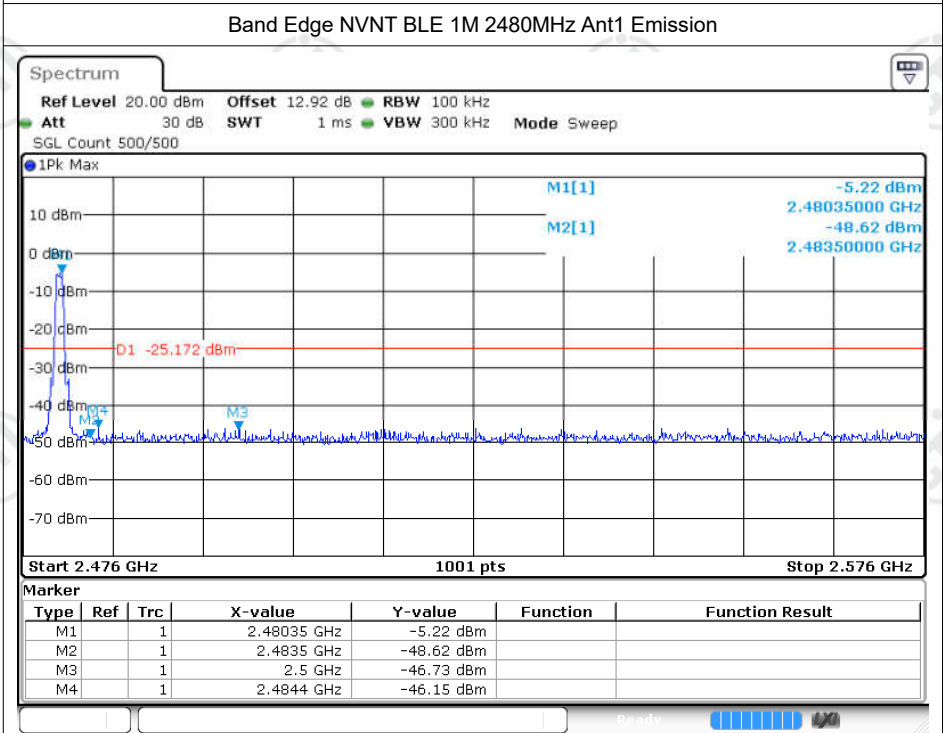
Date: 13.JUN.2024 19:10:25



Date: 13.JUN.2024 19:10:29



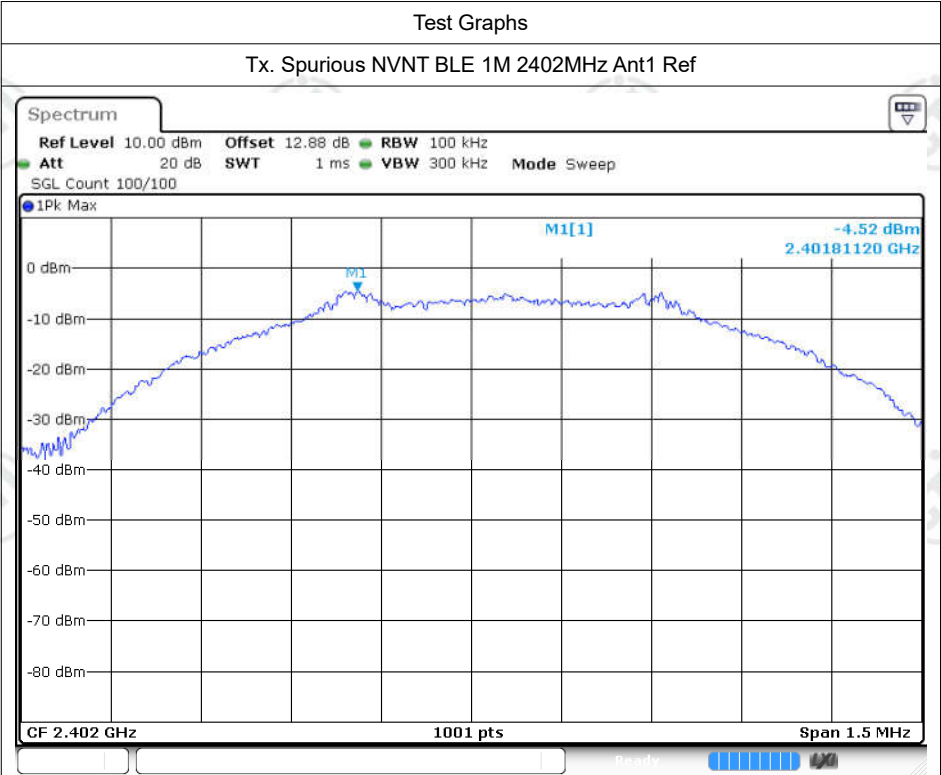
Date: 13.JUN.2024 19:13:39



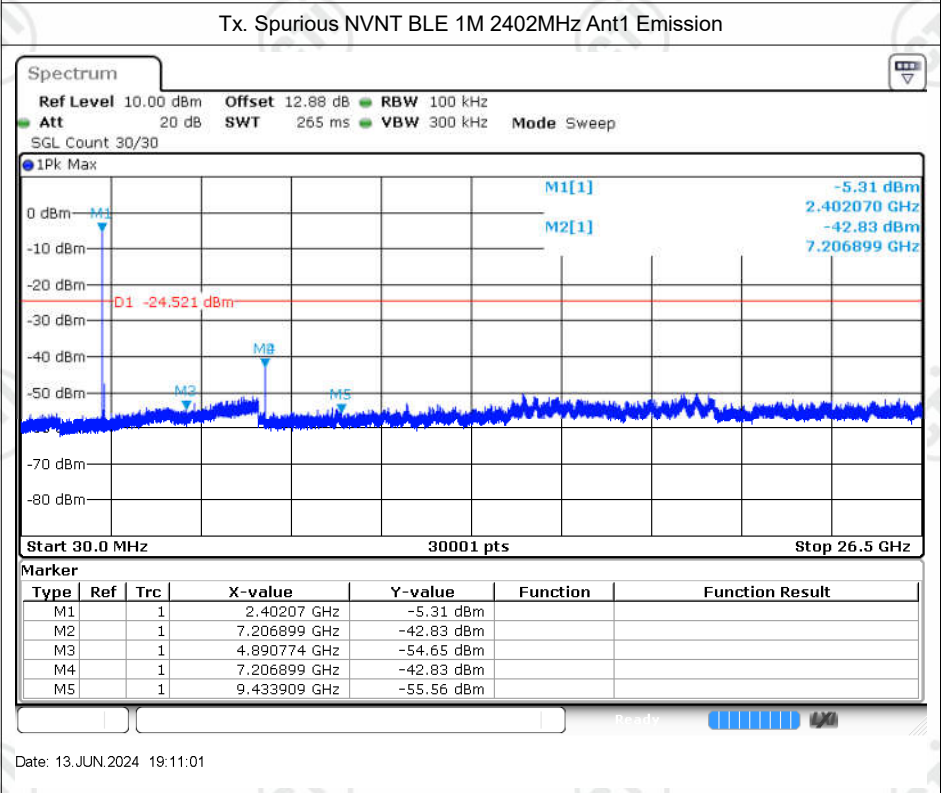
Date: 13.JUN.2024 19:13:41

Conducted RF Spurious Emission

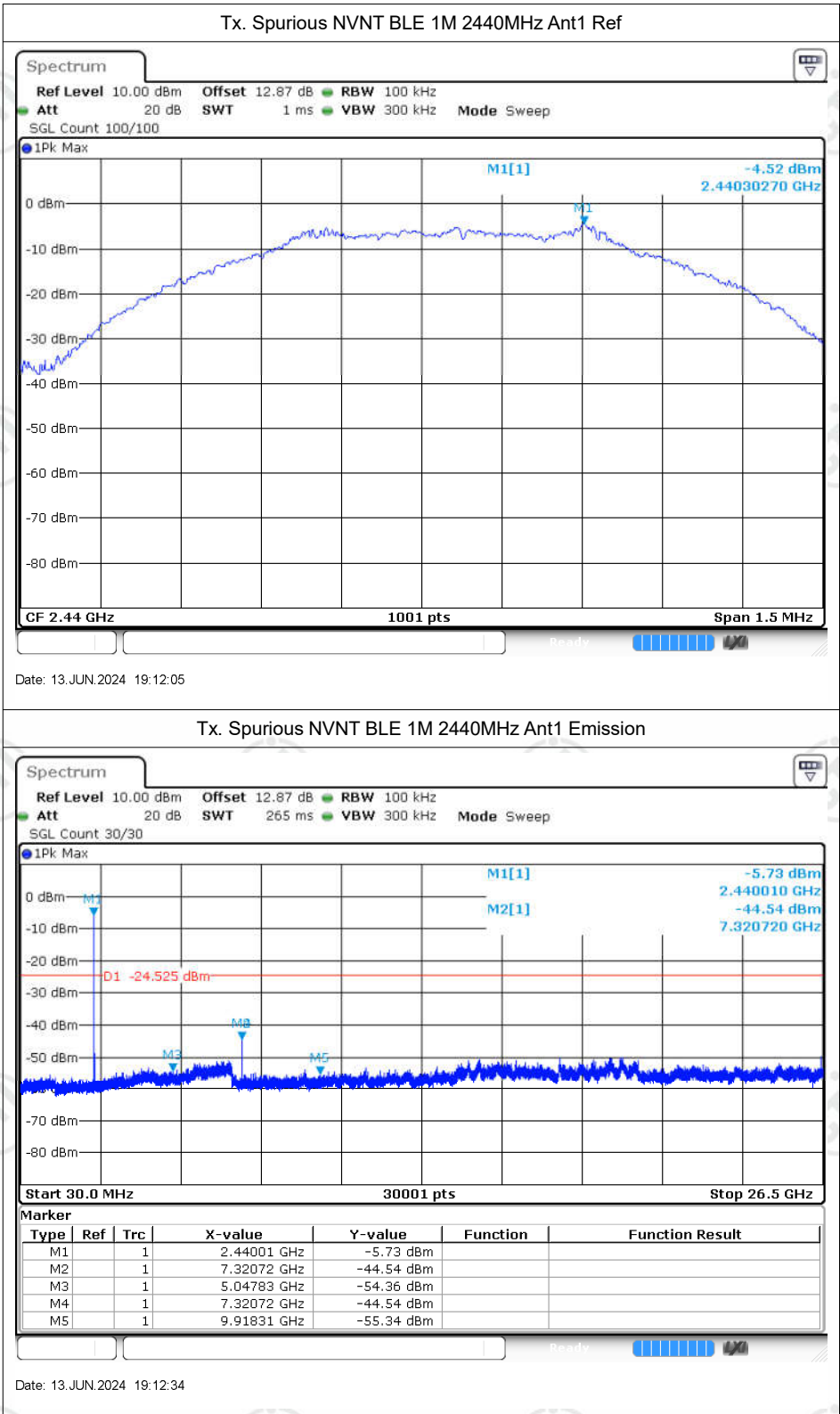
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE 1M	2402	Ant1	-38.3	-20	Pass
NVNT	BLE 1M	2440	Ant1	-40.02	-20	Pass
NVNT	BLE 1M	2480	Ant1	-44.48	-20	Pass

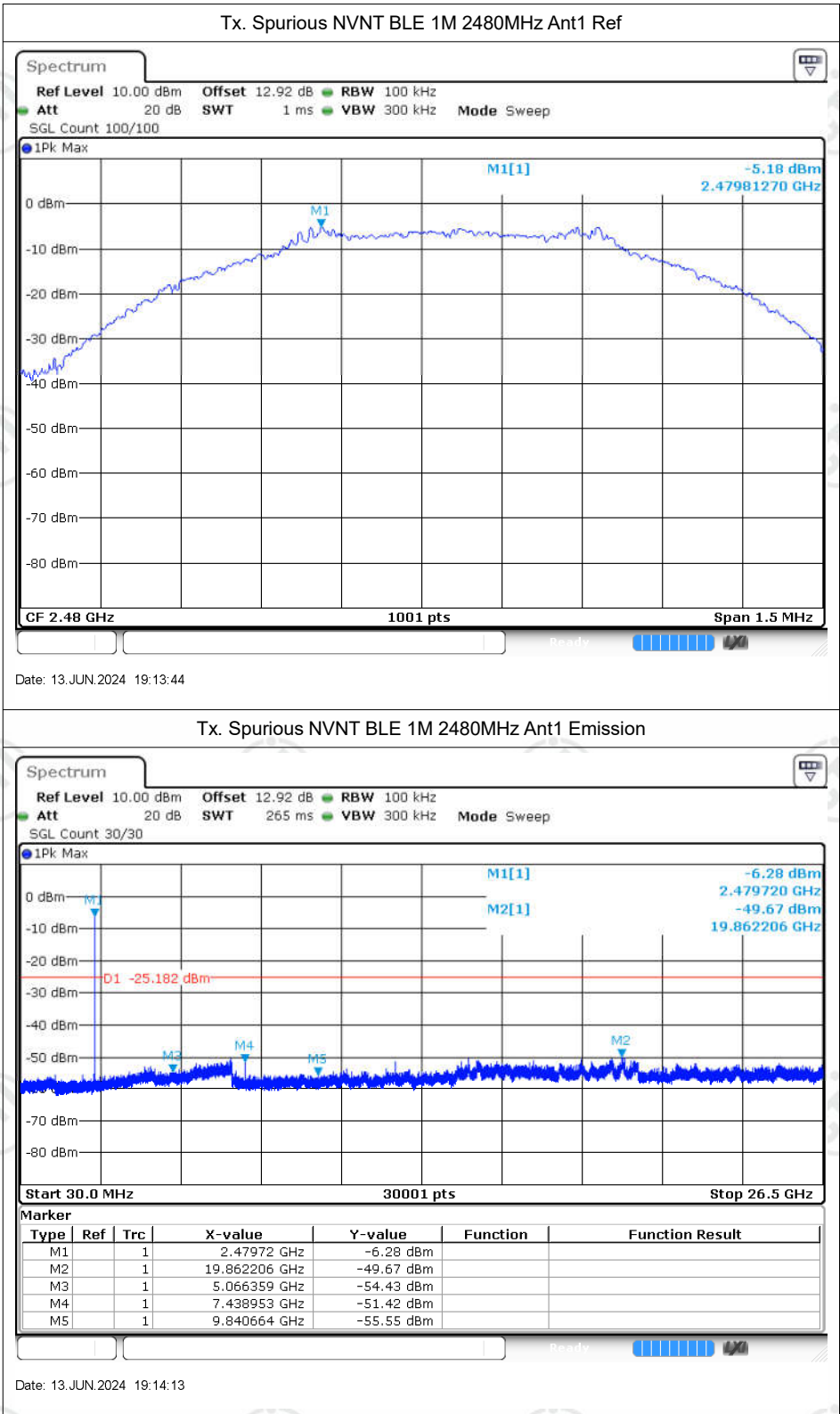


Date: 13.JUN.2024 19:10:32



Date: 13.JUN.2024 19:11:01





*** End of Report ***