

Appendix: Bluetooth LE

Contents

Duty Cycle3

Maximum Peak Conducted Output Power7

-6dB Bandwidth11

Occupied Channel Bandwidth15

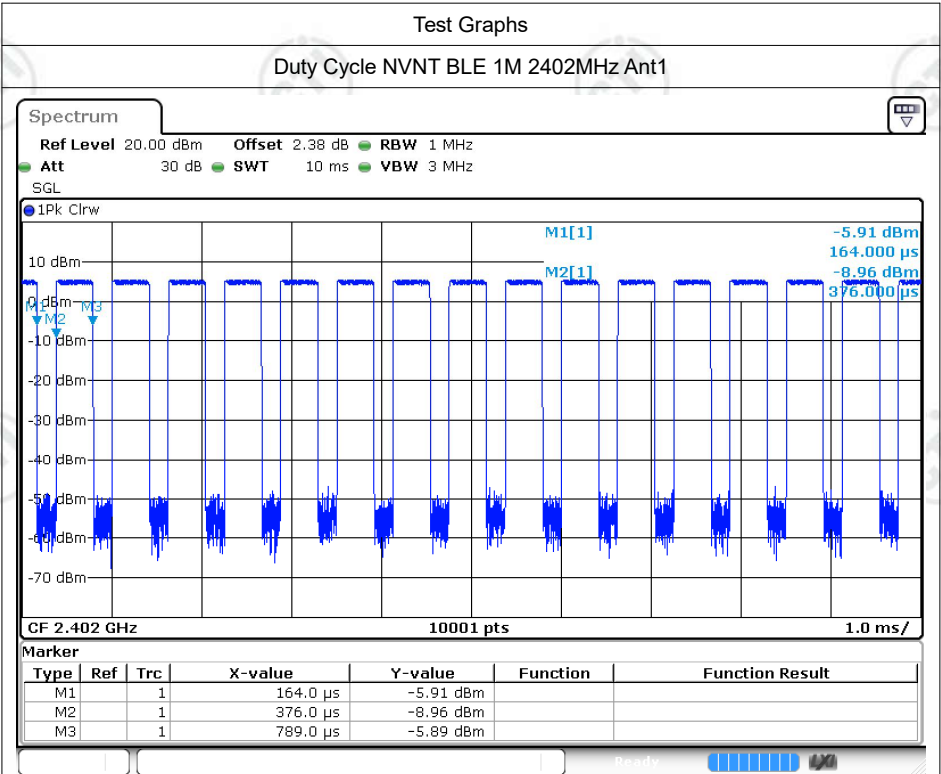
Maximum Power Spectral Density Level19

Band Edge23

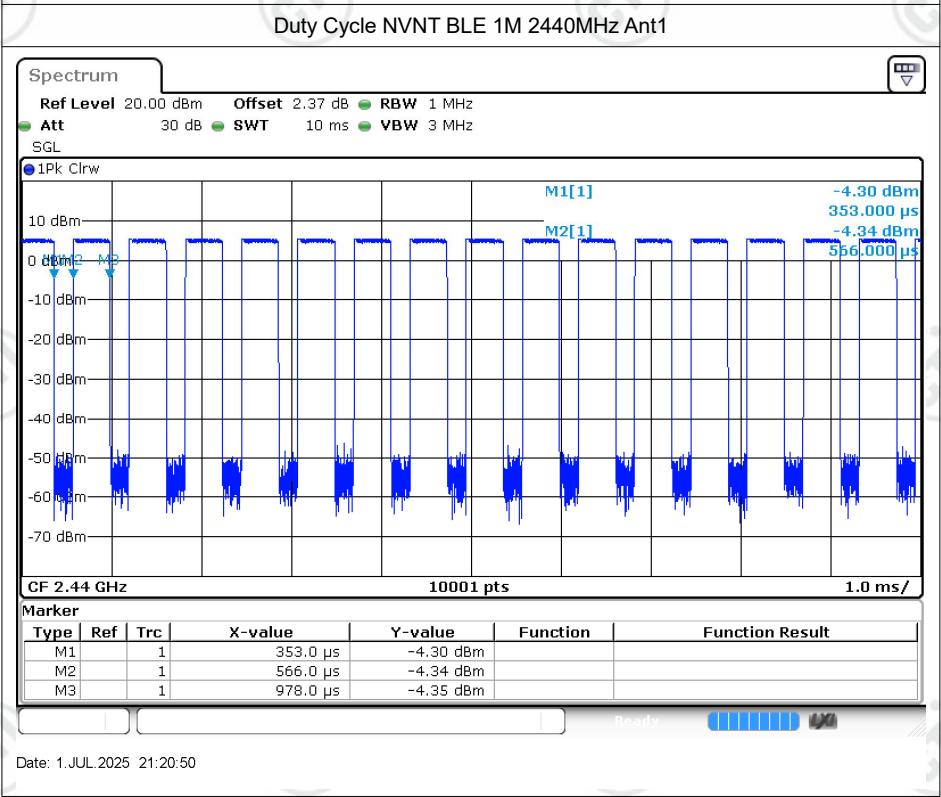
Conducted RF Spurious Emission28

Duty Cycle

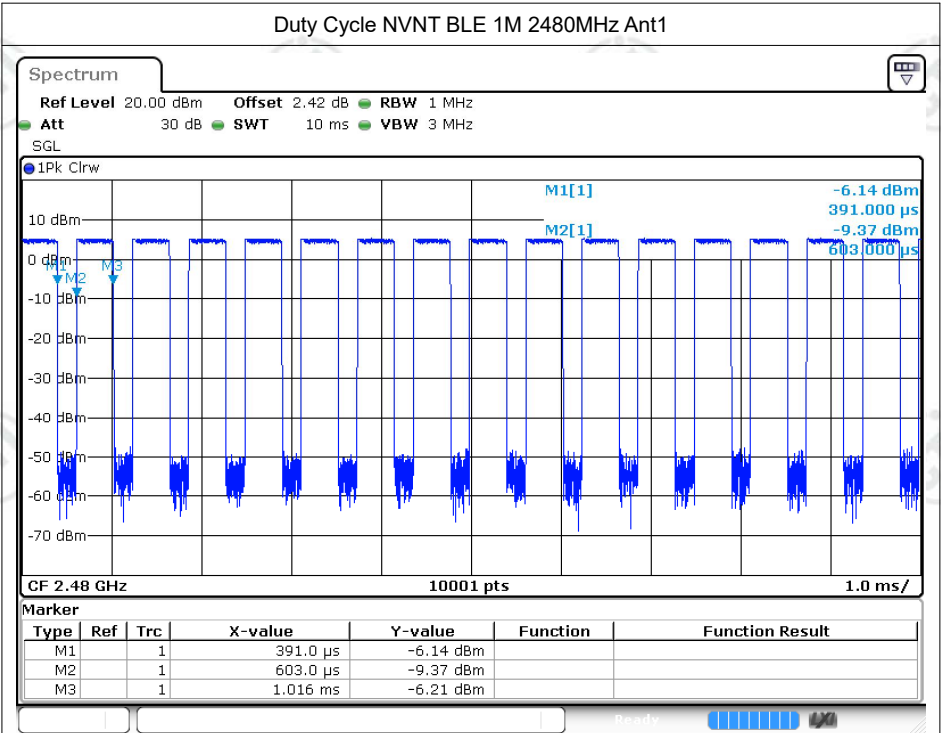
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	BLE 1M	2402	Ant1	66.08	1.8	2.42
NVNT	BLE 1M	2440	Ant1	65.92	1.81	2.43
NVNT	BLE 1M	2480	Ant1	66.08	1.8	2.42
NVNT	BLE 2M	2402	Ant1	36.8	4.34	4.35
NVNT	BLE 2M	2440	Ant1	36.8	4.34	4.35
NVNT	BLE 2M	2480	Ant1	36.8	4.34	4.35



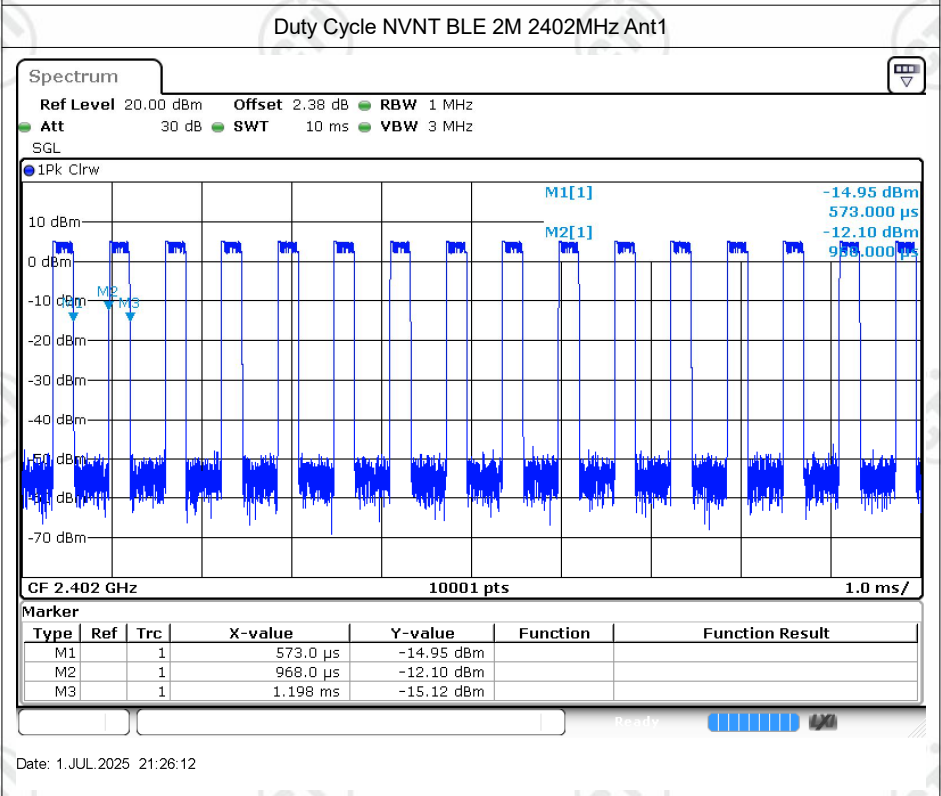
Date: 1.JUL.2025 21:17:11



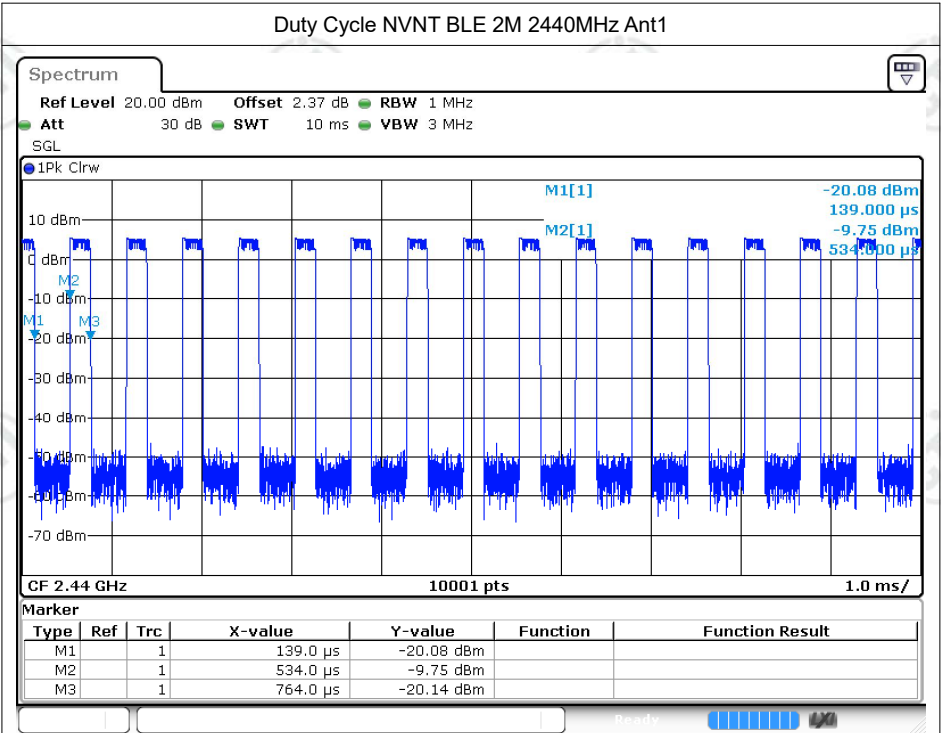
Date: 1.JUL.2025 21:20:50



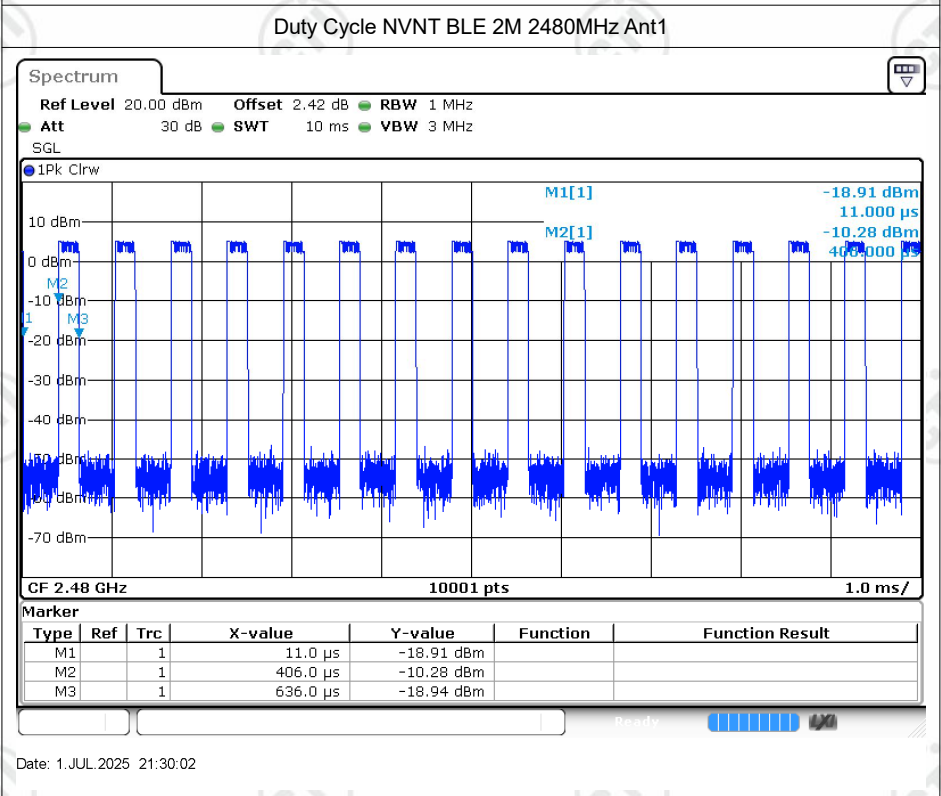
Date: 1.JUL.2025 21:23:47



Date: 1.JUL.2025 21:26:12



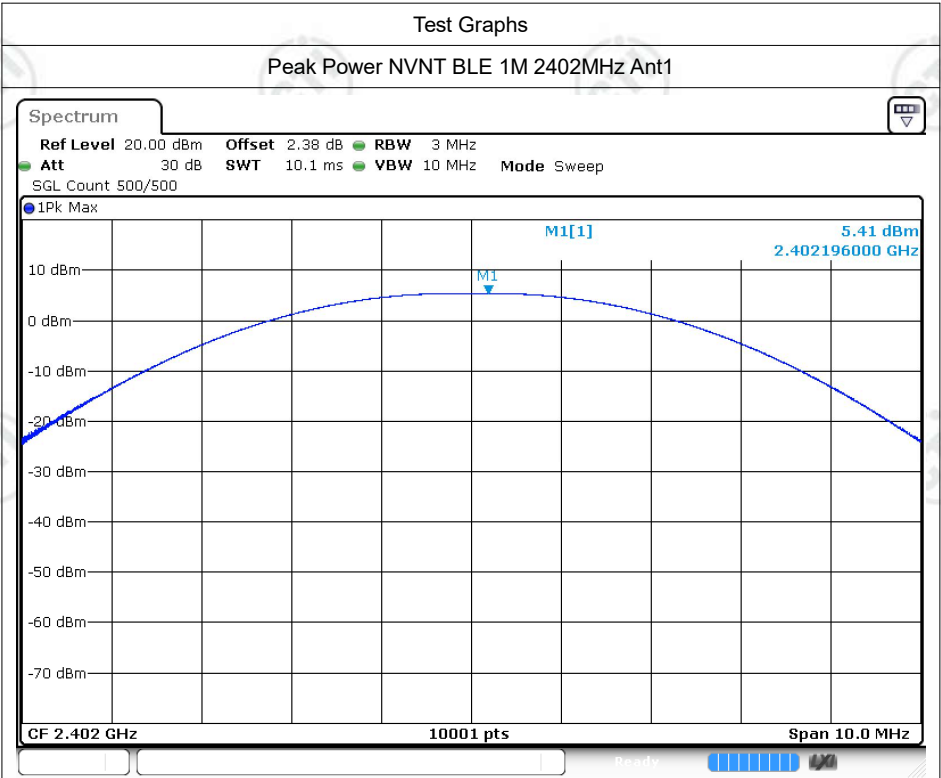
Date: 1.JUL.2025 21:28:12



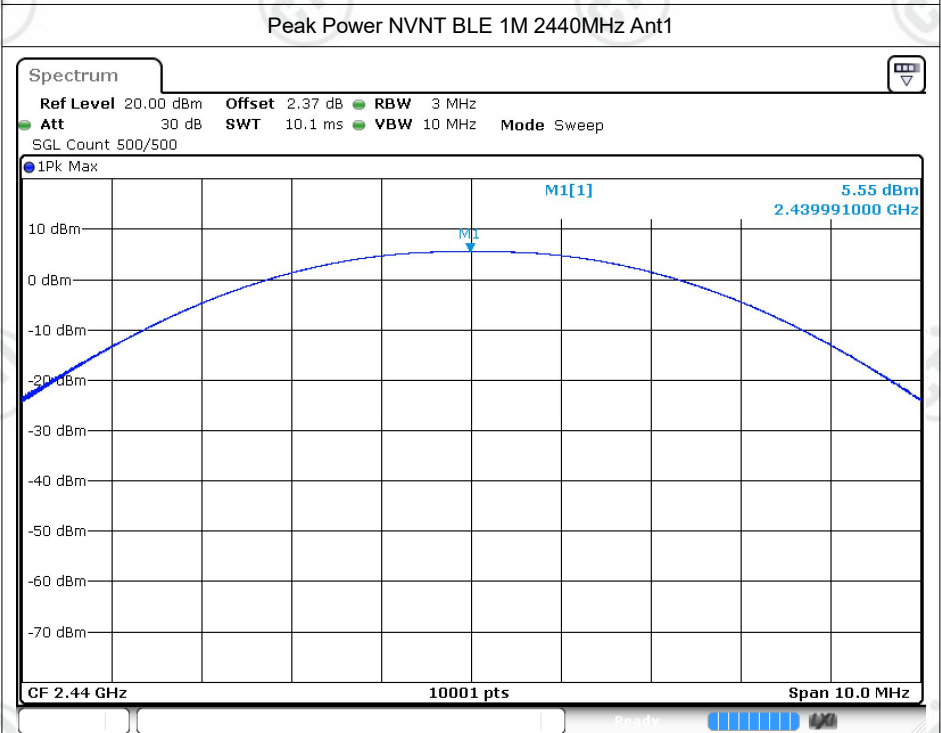
Date: 1.JUL.2025 21:30:02

Maximum Peak Conducted Output Power

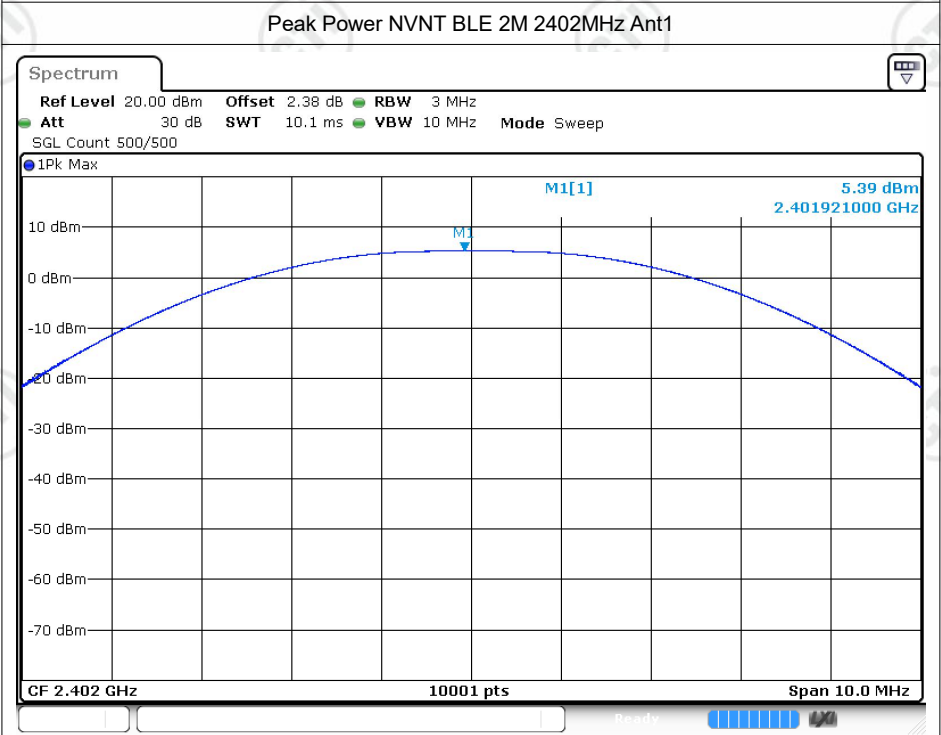
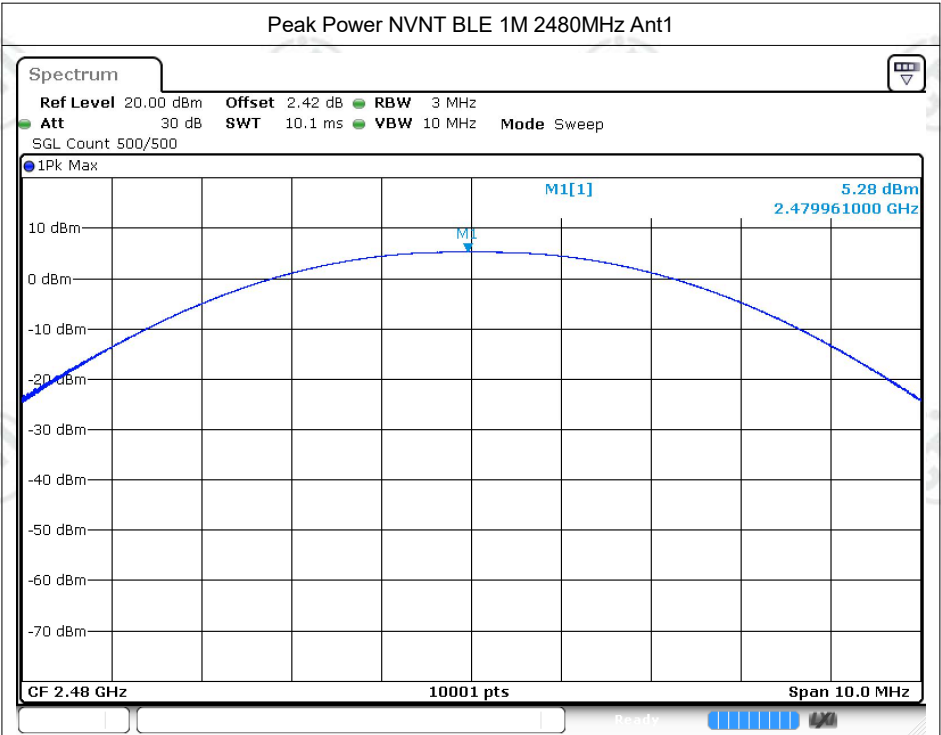
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	BLE 1M	2402	Ant1	5.41	30	Pass
NVNT	BLE 1M	2440	Ant1	5.55	30	Pass
NVNT	BLE 1M	2480	Ant1	5.28	30	Pass
NVNT	BLE 2M	2402	Ant1	5.39	30	Pass
NVNT	BLE 2M	2440	Ant1	5.24	30	Pass
NVNT	BLE 2M	2480	Ant1	5.02	30	Pass

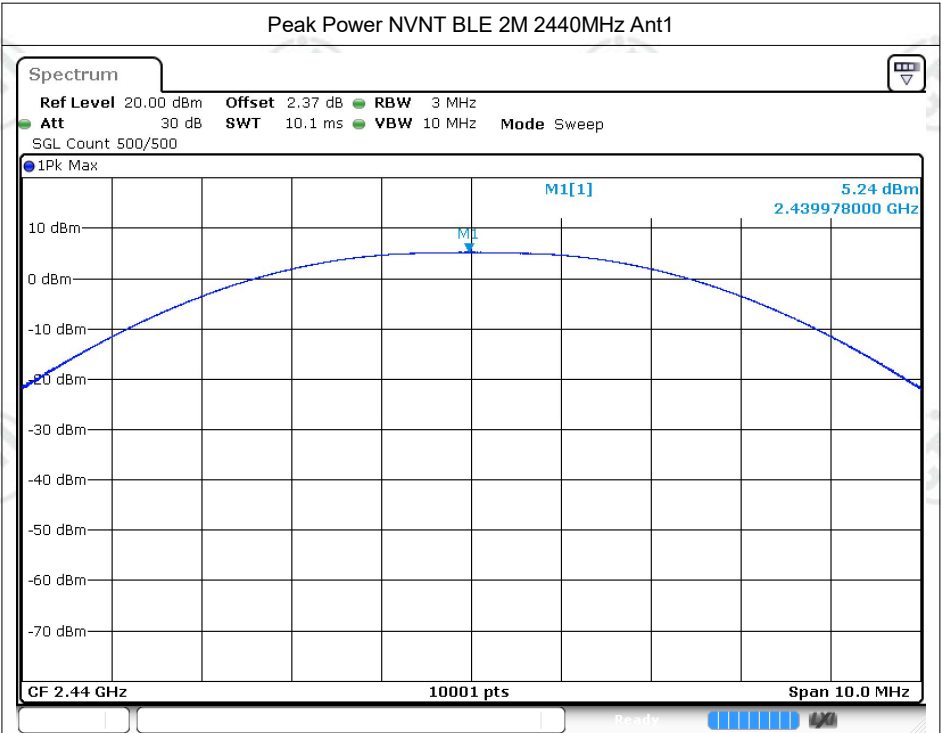


Date: 1.JUL.2025 21:17:21

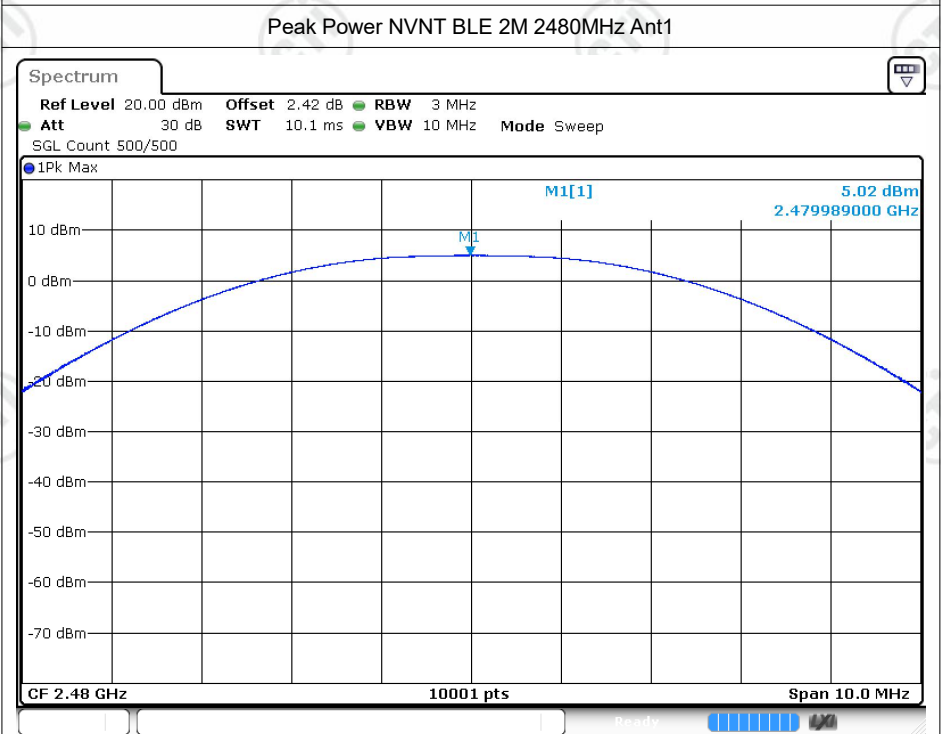


Date: 1.JUL.2025 21:21:00





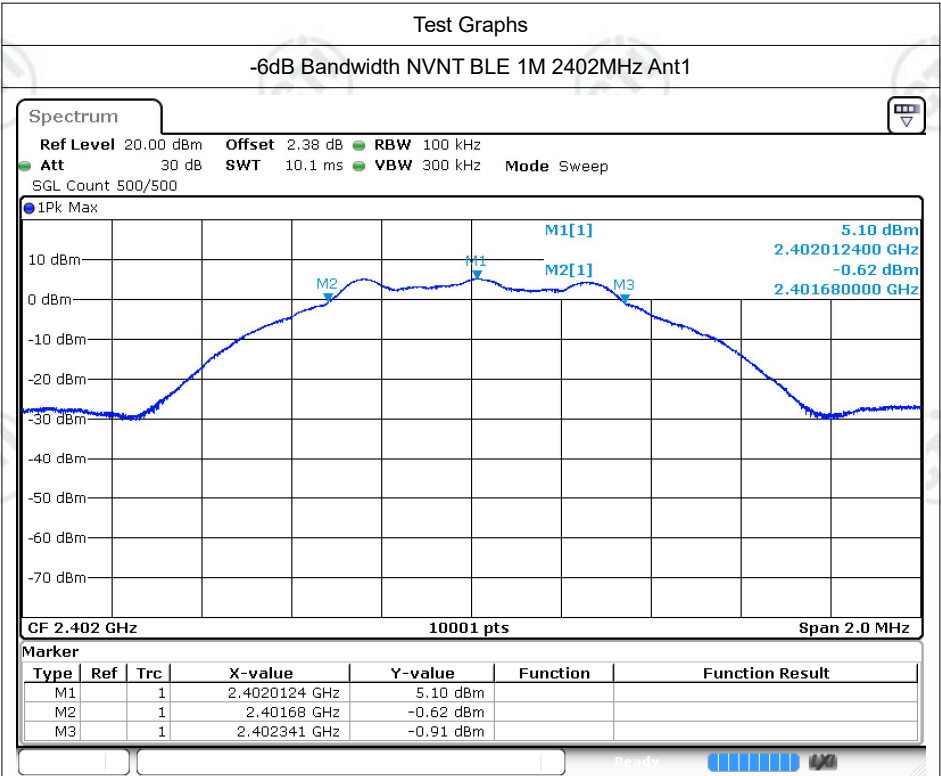
Date: 16.JUL.2025 21:03:45



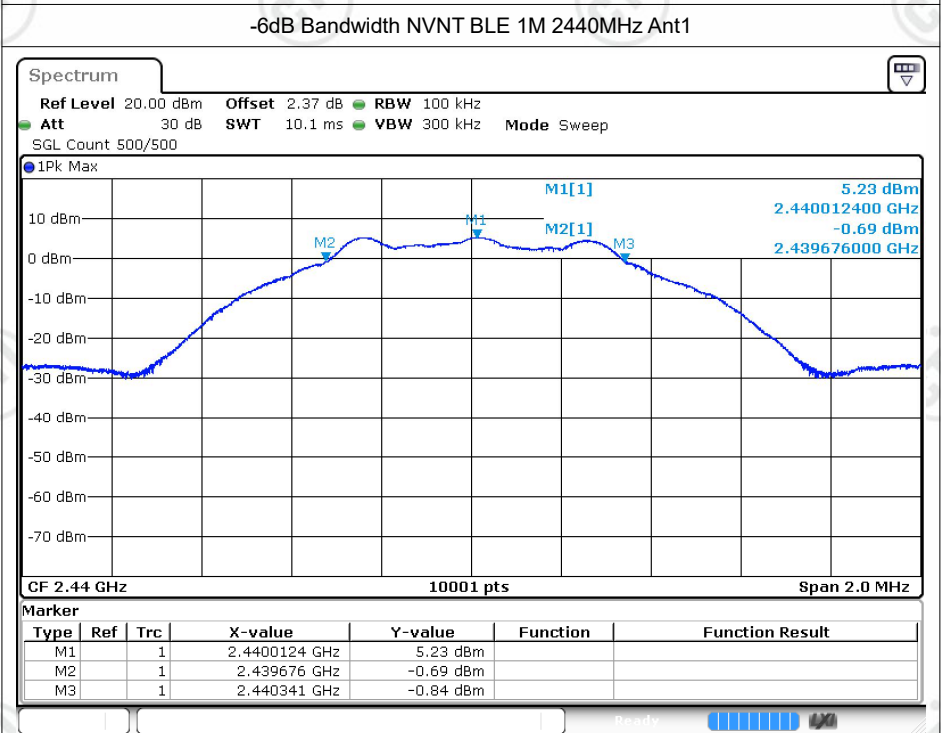
Date: 16.JUL.2025 21:04:06

-6dB Bandwidth

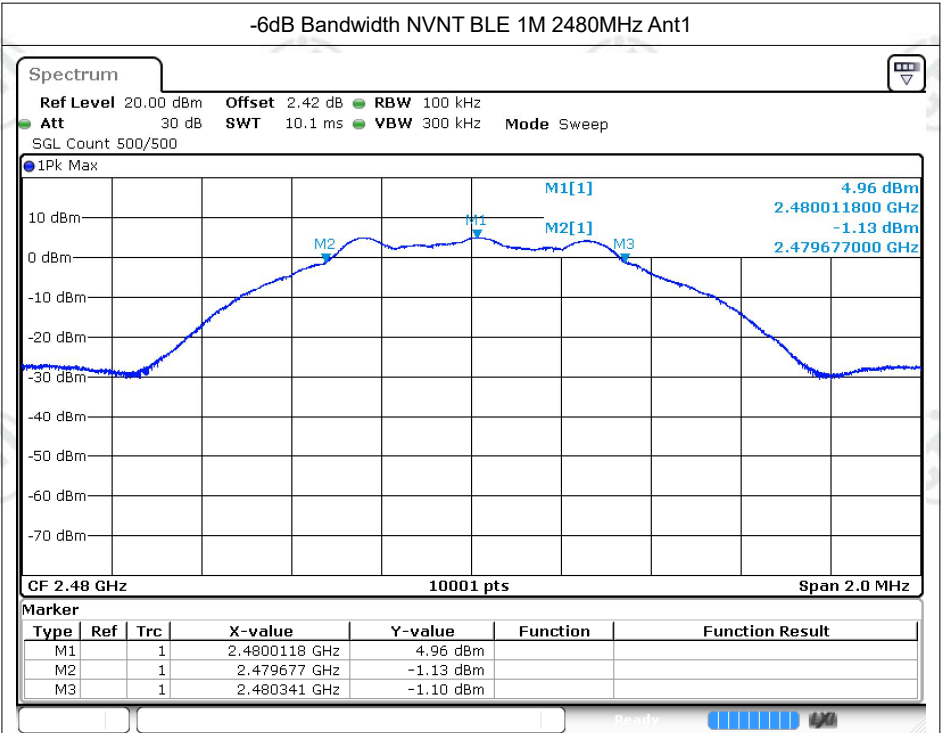
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	BLE 1M	2402	Ant1	0.661	0.5	Pass
NVNT	BLE 1M	2440	Ant1	0.665	0.5	Pass
NVNT	BLE 1M	2480	Ant1	0.664	0.5	Pass
NVNT	BLE 2M	2402	Ant1	1.142	0.5	Pass
NVNT	BLE 2M	2440	Ant1	1.144	0.5	Pass
NVNT	BLE 2M	2480	Ant1	1.144	0.5	Pass



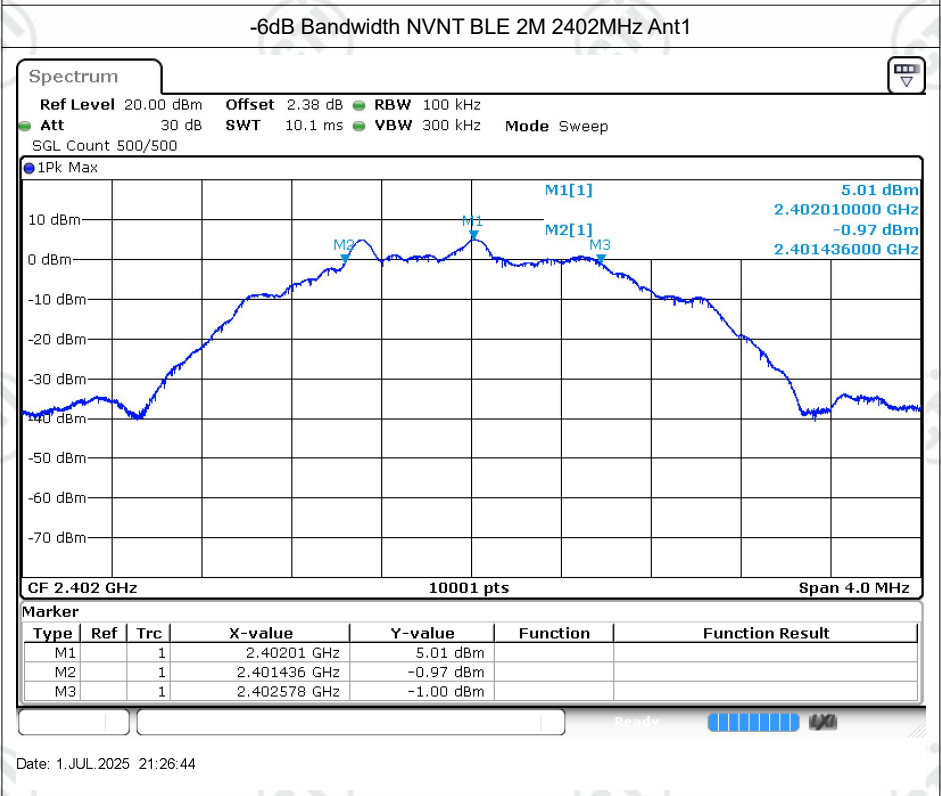
Date: 1.JUL.2025 21:17:44



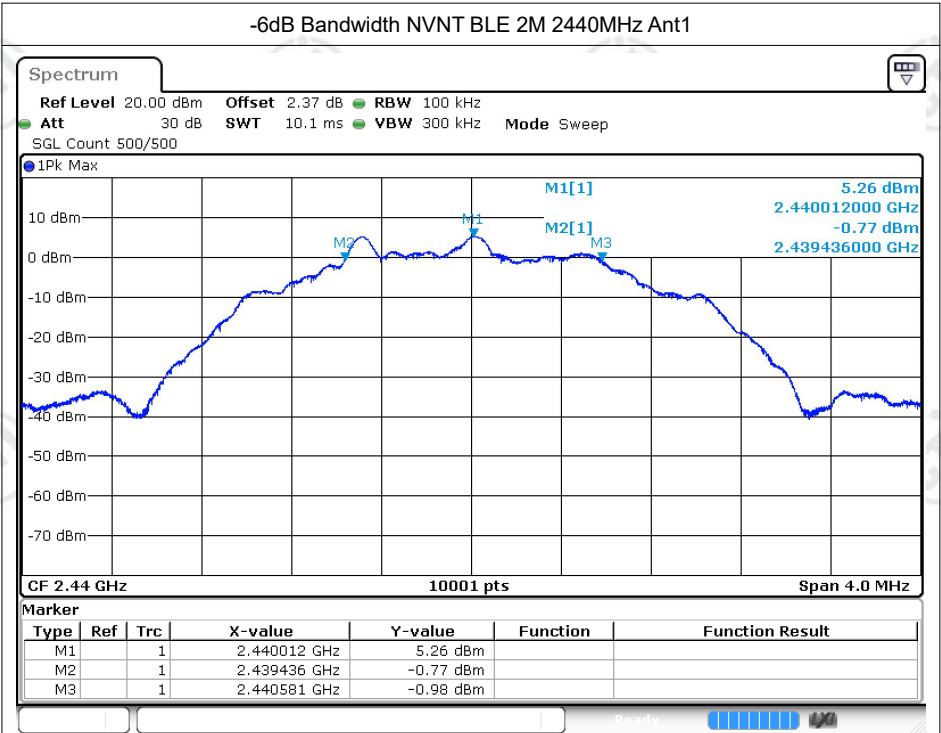
Date: 1.JUL.2025 21:21:22



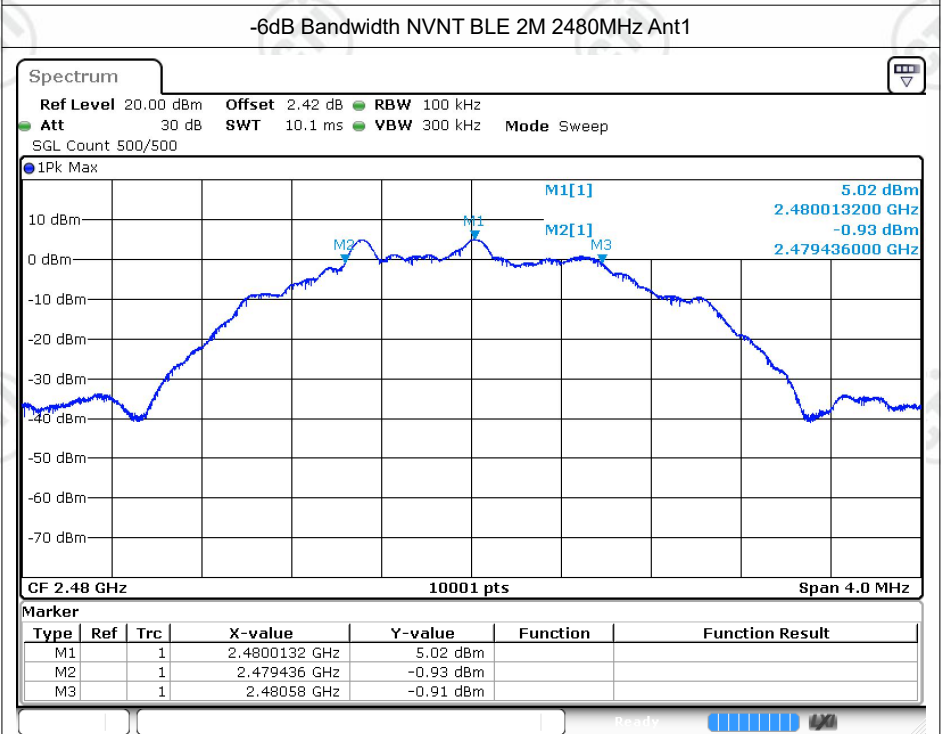
Date: 1.JUL.2025 21:24:19



Date: 1.JUL.2025 21:26:44



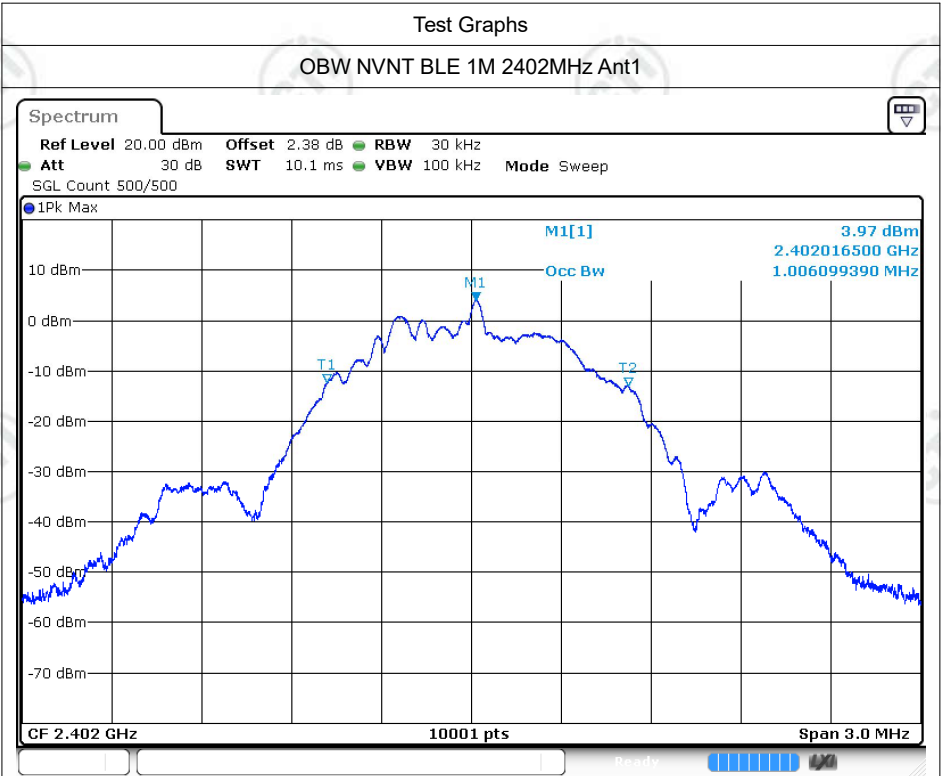
Date: 1.JUL.2025 21:28:44



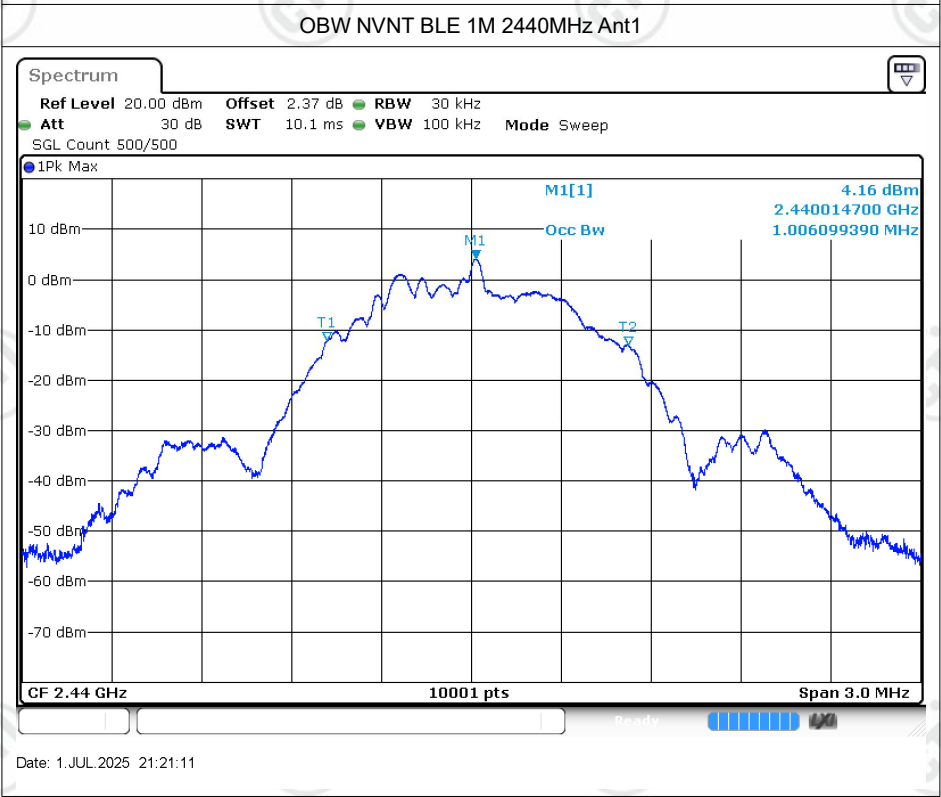
Date: 1.JUL.2025 21:30:34

Occupied Channel Bandwidth

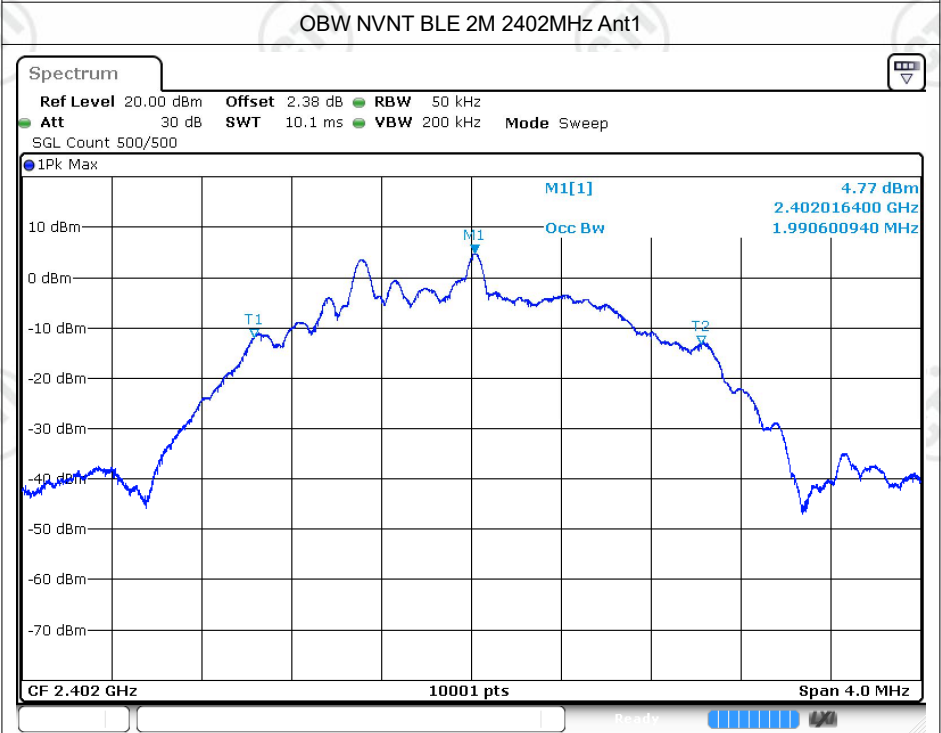
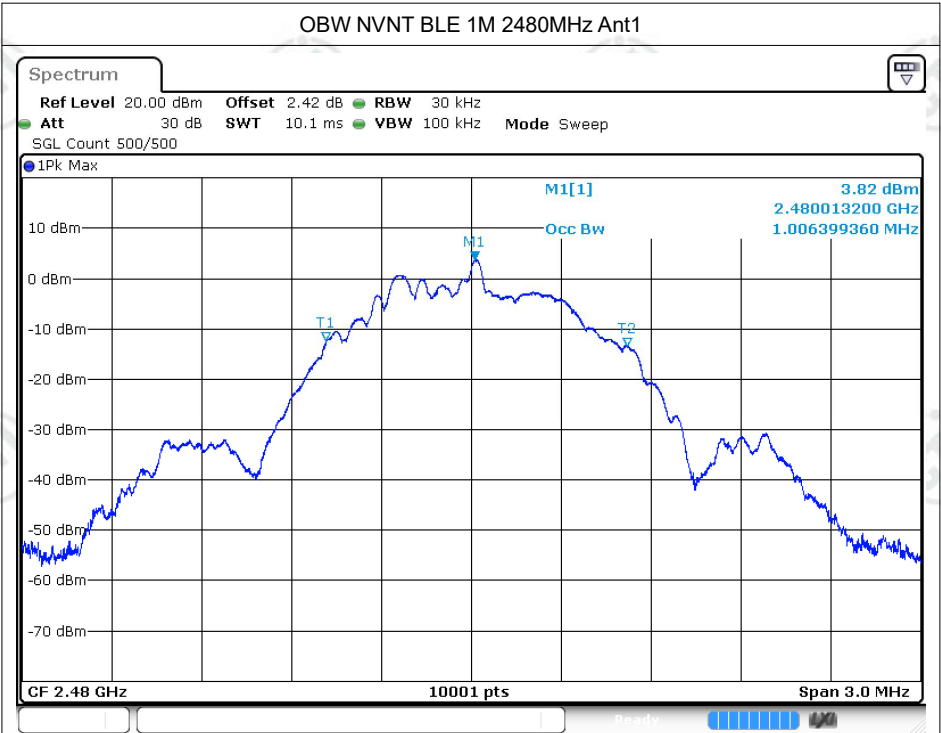
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	BLE 1M	2402	Ant1	1.006
NVNT	BLE 1M	2440	Ant1	1.006
NVNT	BLE 1M	2480	Ant1	1.006
NVNT	BLE 2M	2402	Ant1	1.991
NVNT	BLE 2M	2440	Ant1	1.989
NVNT	BLE 2M	2480	Ant1	1.99

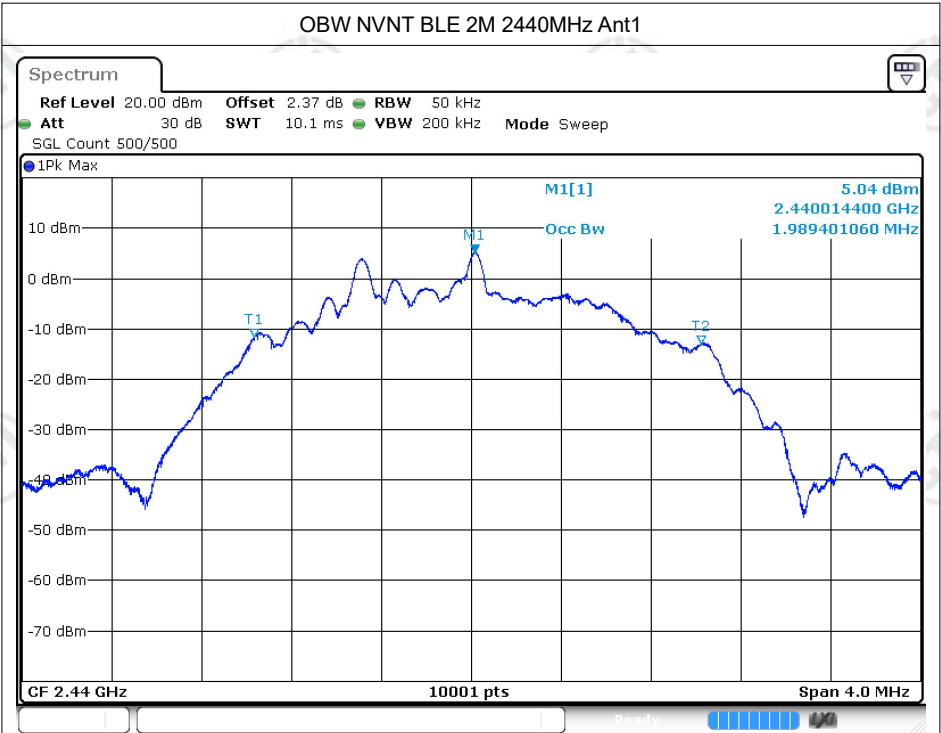


Date: 1.JUL.2025 21:17:33

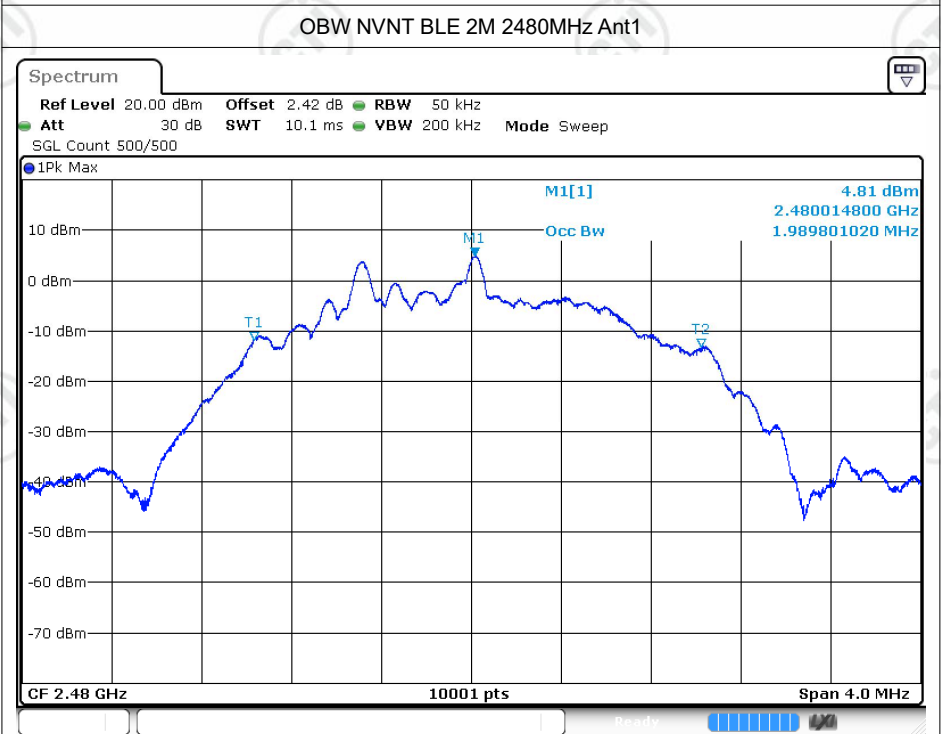


Date: 1.JUL.2025 21:21:11





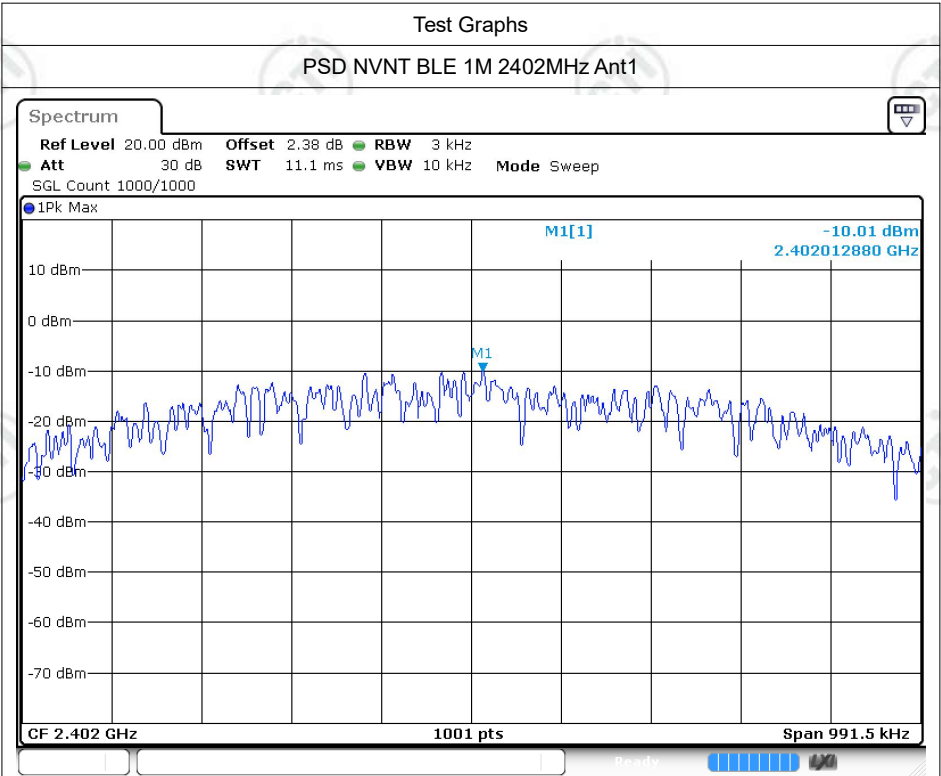
Date: 1.JUL.2025 21:28:33



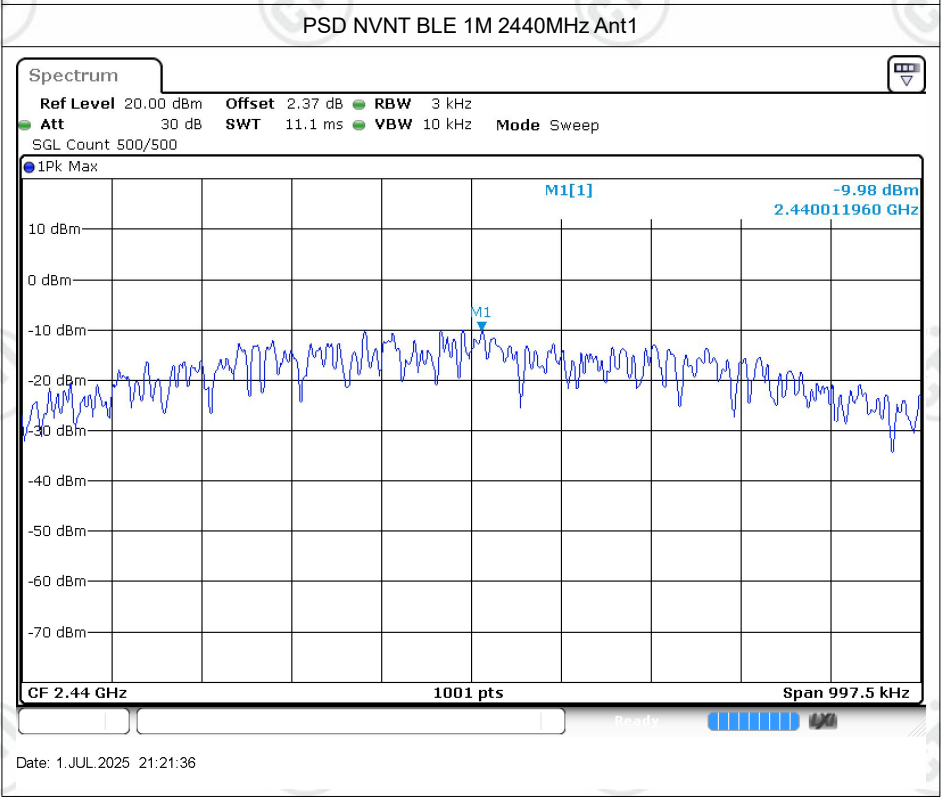
Date: 1.JUL.2025 21:30:23

Maximum Power Spectral Density Level

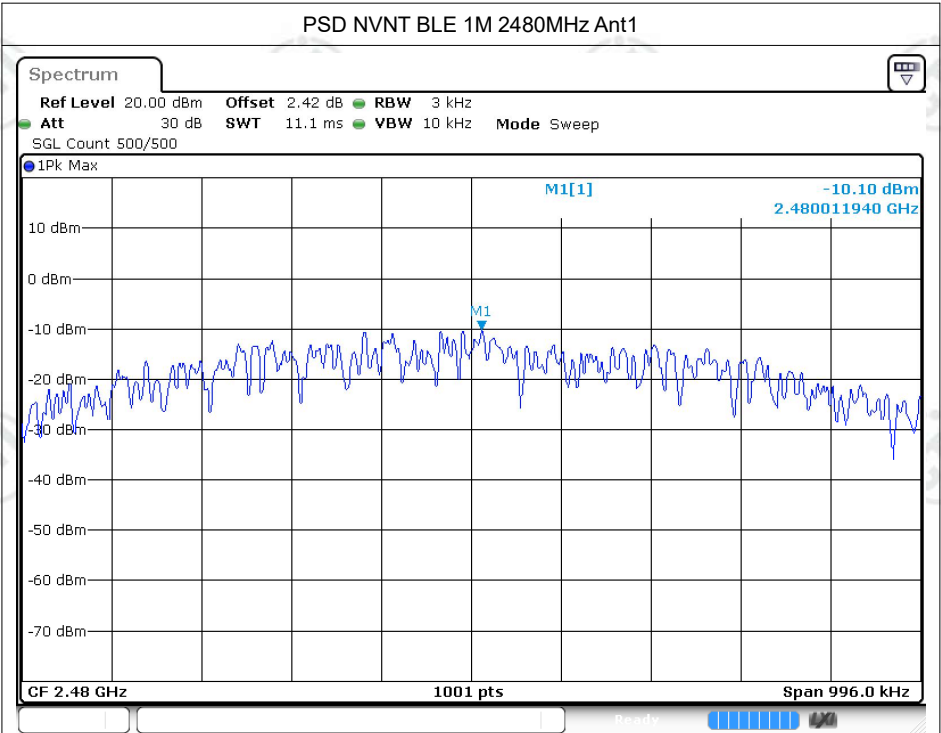
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
NVNT	BLE 1M	2402	Ant1	-10.01	8	Pass
NVNT	BLE 1M	2440	Ant1	-9.98	8	Pass
NVNT	BLE 1M	2480	Ant1	-10.1	8	Pass
NVNT	BLE 2M	2402	Ant1	-10.55	8	Pass
NVNT	BLE 2M	2440	Ant1	-10.58	8	Pass
NVNT	BLE 2M	2480	Ant1	-10.88	8	Pass



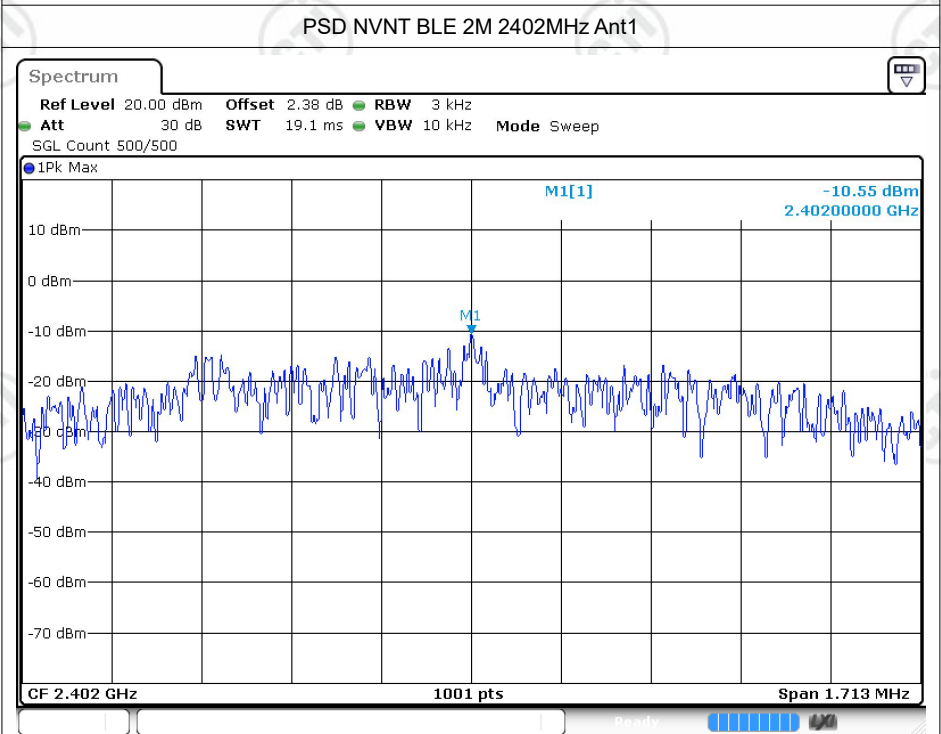
Date: 1.JUL.2025 21:18:09



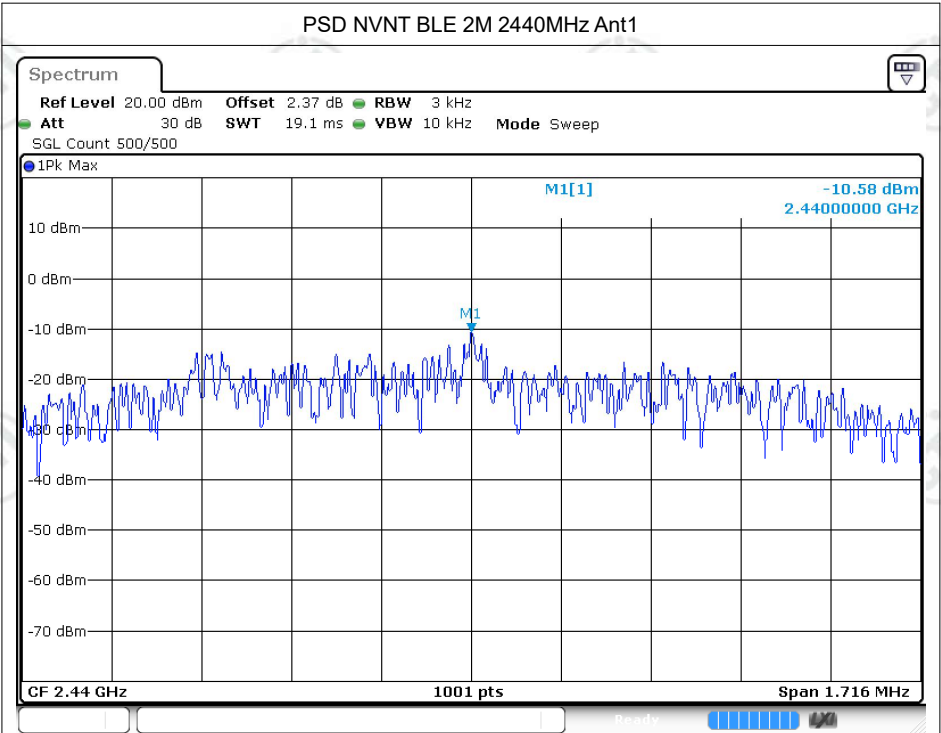
Date: 1.JUL.2025 21:21:36



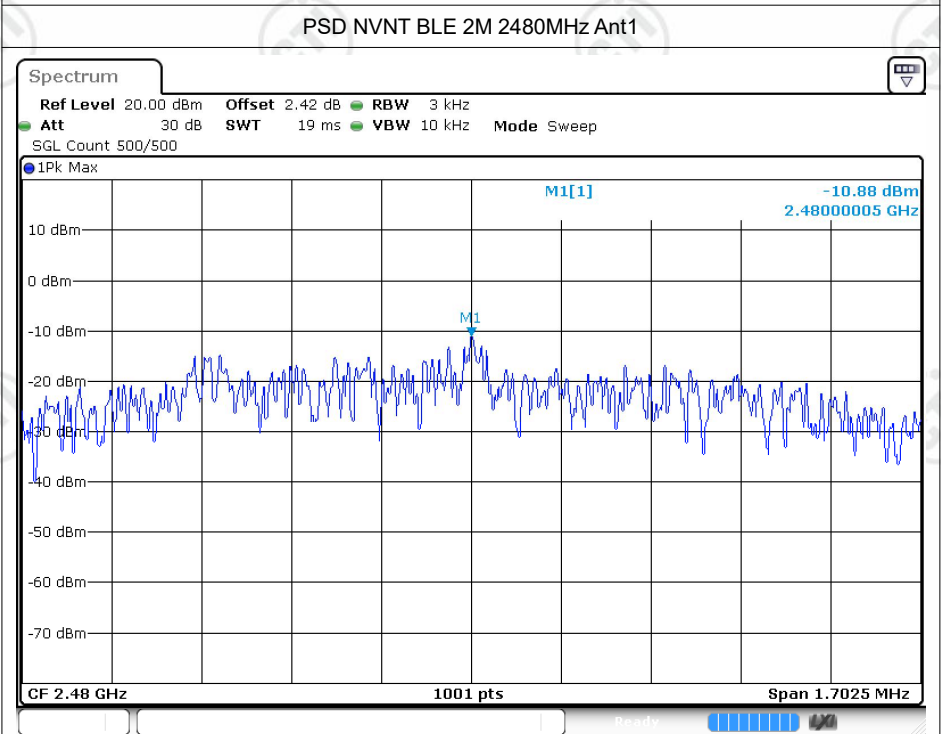
Date: 1.JUL.2025 21:24:33



Date: 16.JUL.2025 21:03:25



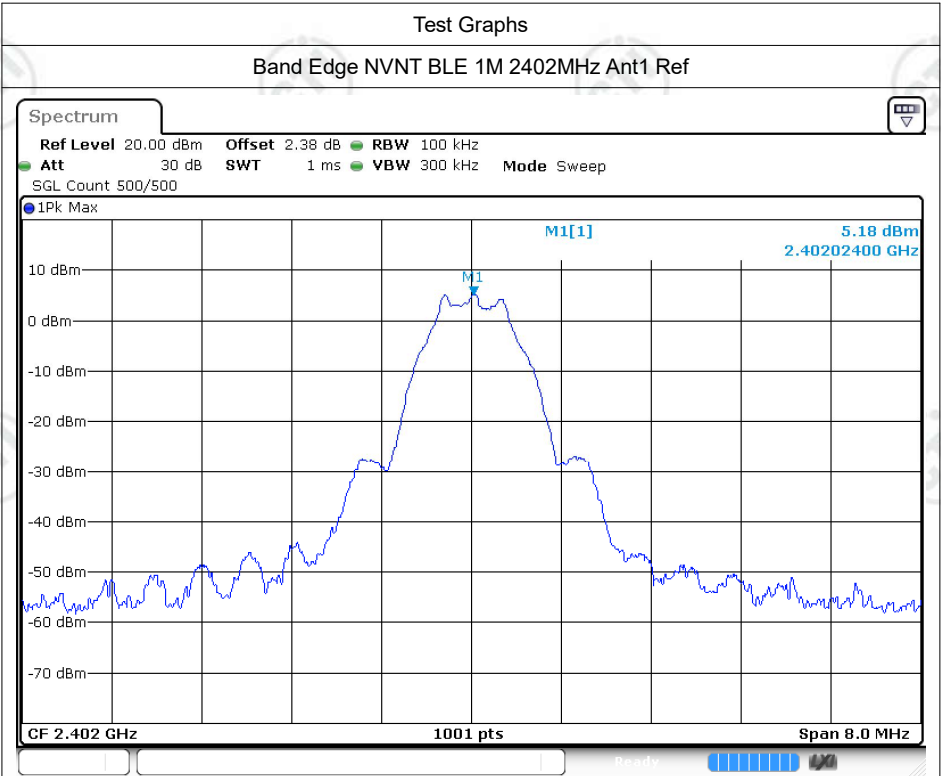
Date: 16.JUL.2025 21:01:21



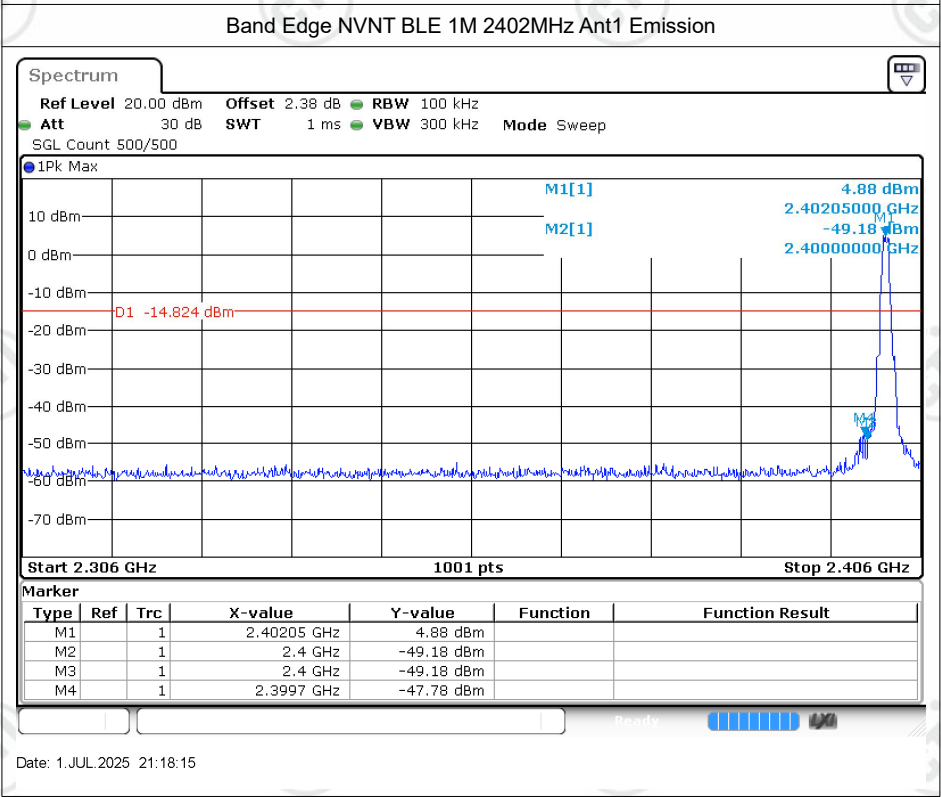
Date: 16.JUL.2025 21:00:20

Band Edge

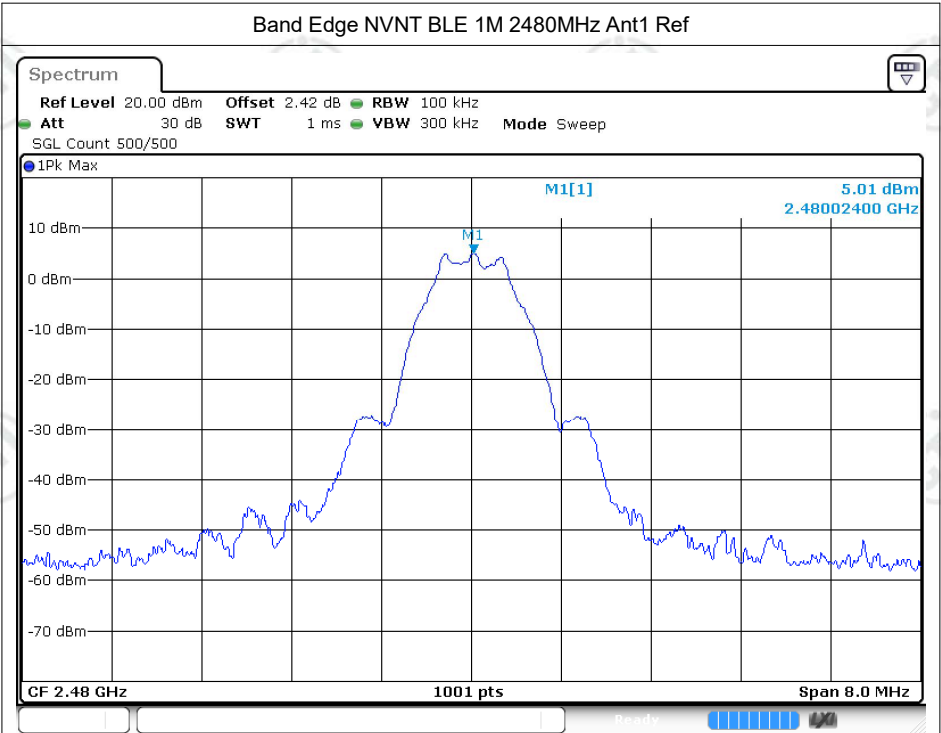
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE 1M	2402	Ant1	-52.96	-20	Pass
NVNT	BLE 1M	2480	Ant1	-59.74	-20	Pass
NVNT	BLE 2M	2402	Ant1	-47.99	-20	Pass
NVNT	BLE 2M	2480	Ant1	-59.88	-20	Pass



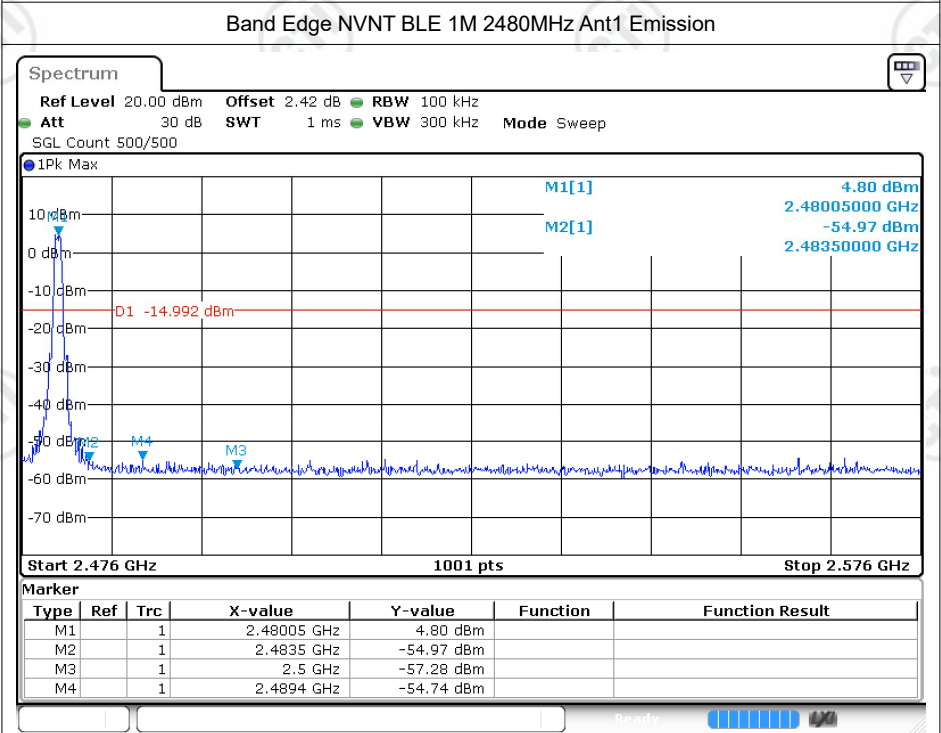
Date: 1.JUL.2025 21:18:12



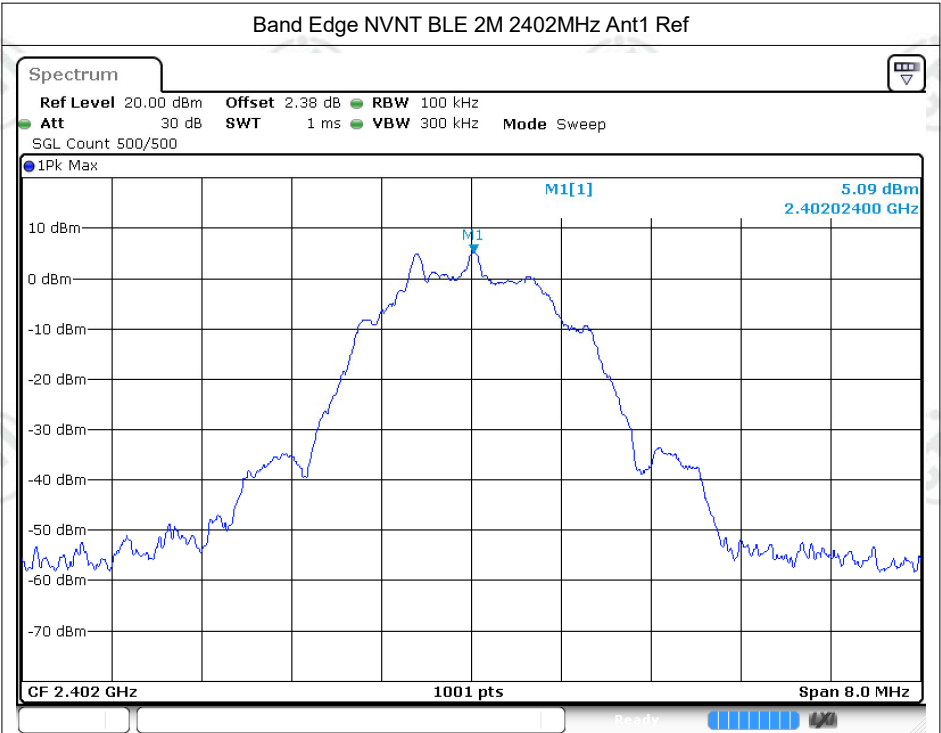
Date: 1.JUL.2025 21:18:15



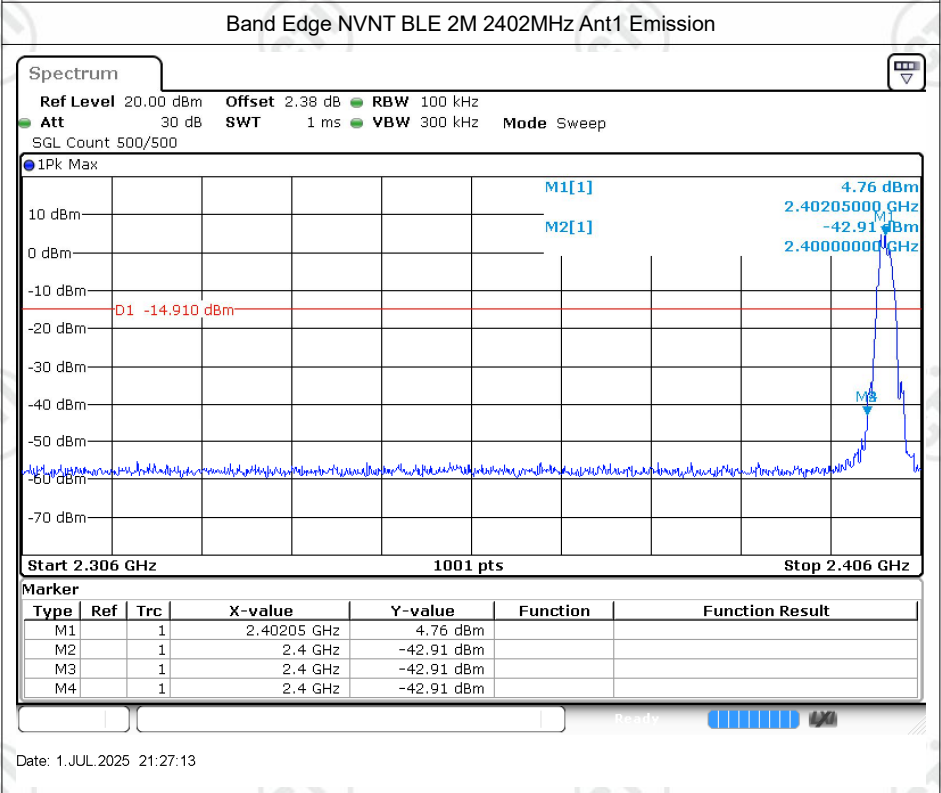
Date: 1.JUL.2025 21:24:37



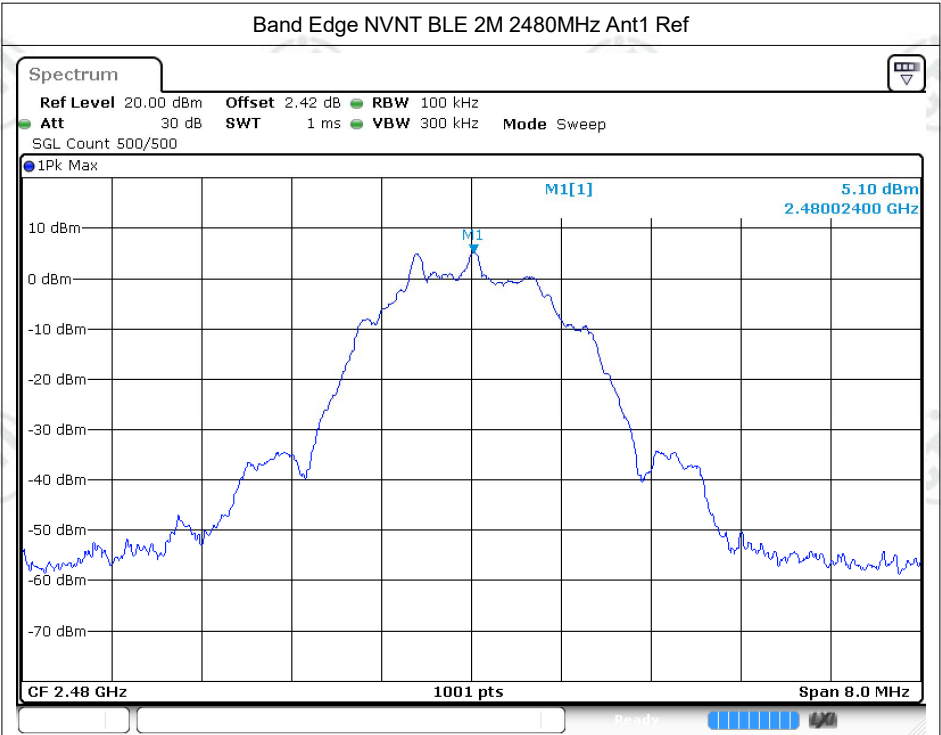
Date: 1.JUL.2025 21:24:39



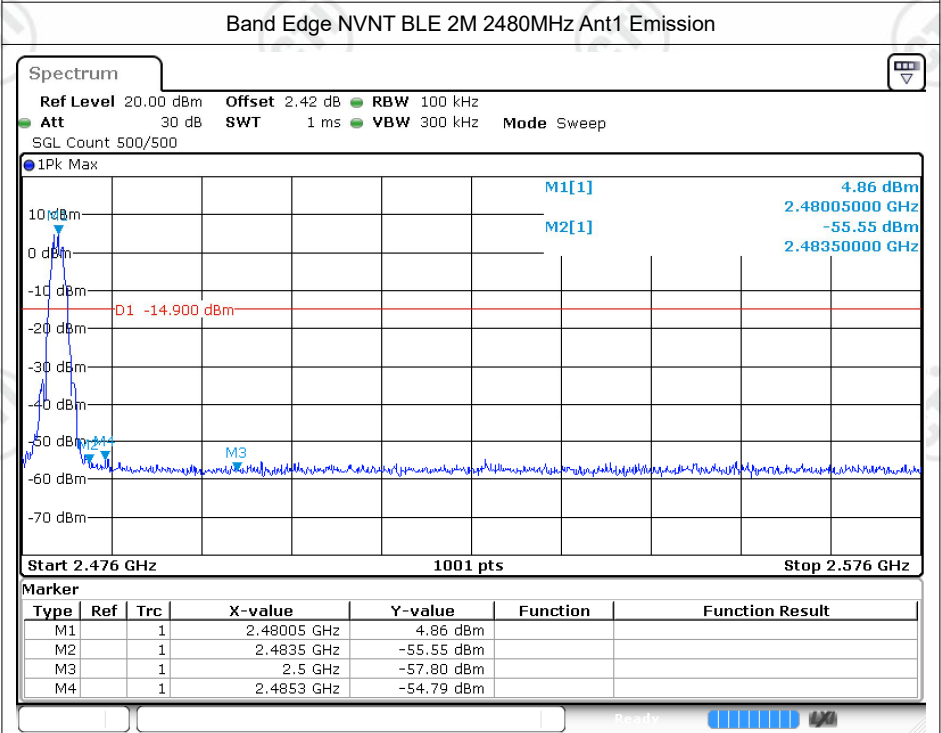
Date: 1.JUL.2025 21:27:09



Date: 1.JUL.2025 21:27:13



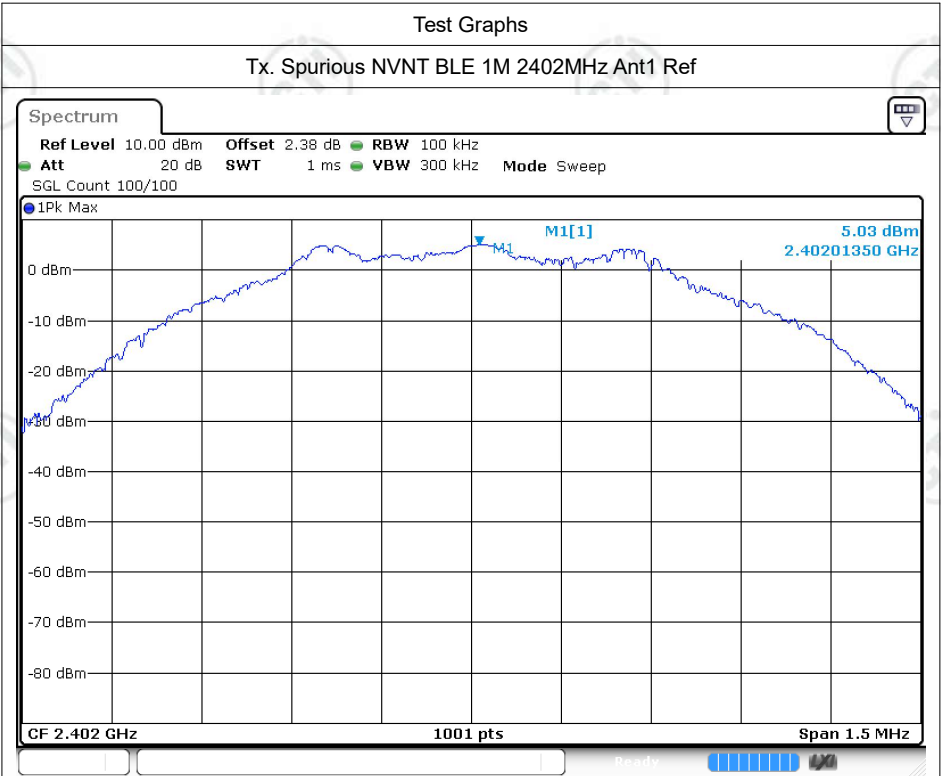
Date: 1.JUL.2025 21:30:59



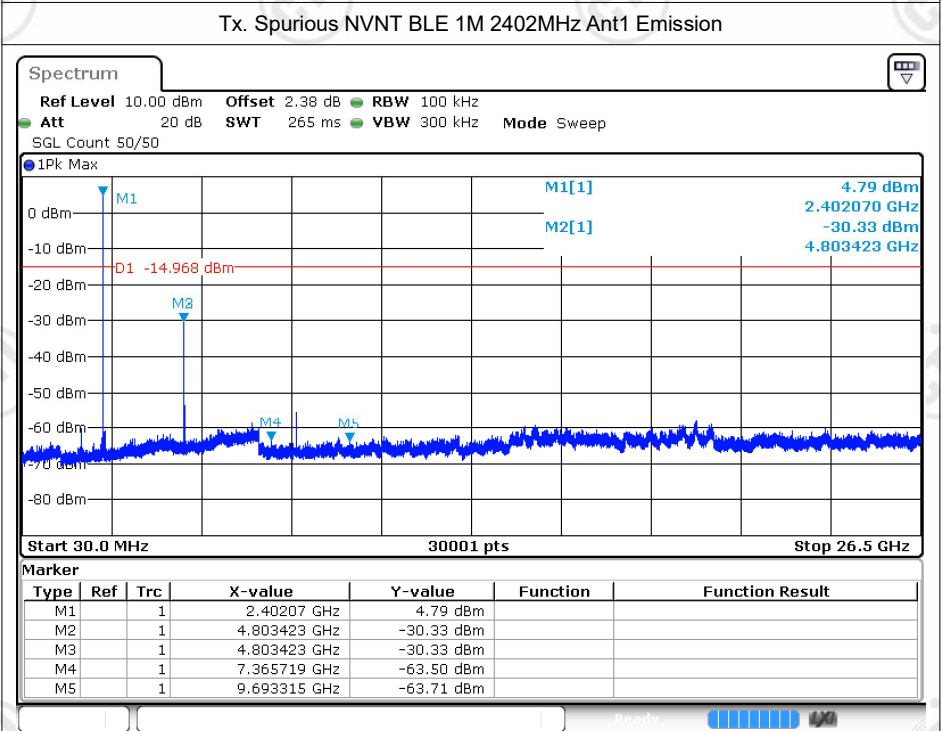
Date: 1.JUL.2025 21:31:01

Conducted RF Spurious Emission

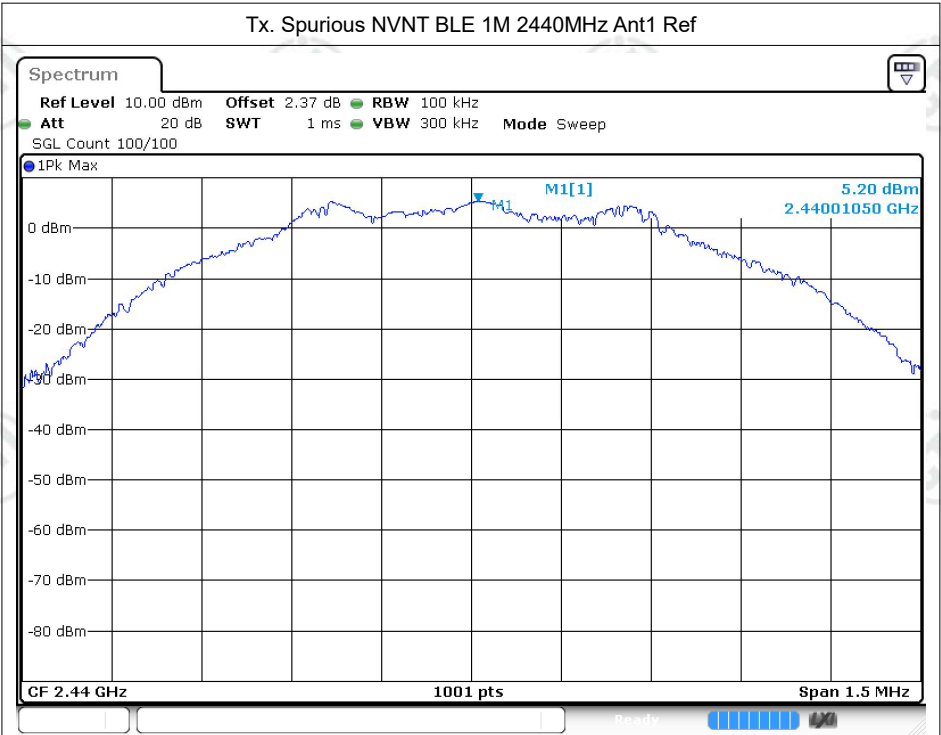
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE 1M	2402	Ant1	-35.35	-20	Pass
NVNT	BLE 1M	2440	Ant1	-36.05	-20	Pass
NVNT	BLE 1M	2480	Ant1	-35.86	-20	Pass
NVNT	BLE 2M	2402	Ant1	-35.41	-20	Pass
NVNT	BLE 2M	2440	Ant1	-35.82	-20	Pass
NVNT	BLE 2M	2480	Ant1	-35.64	-20	Pass



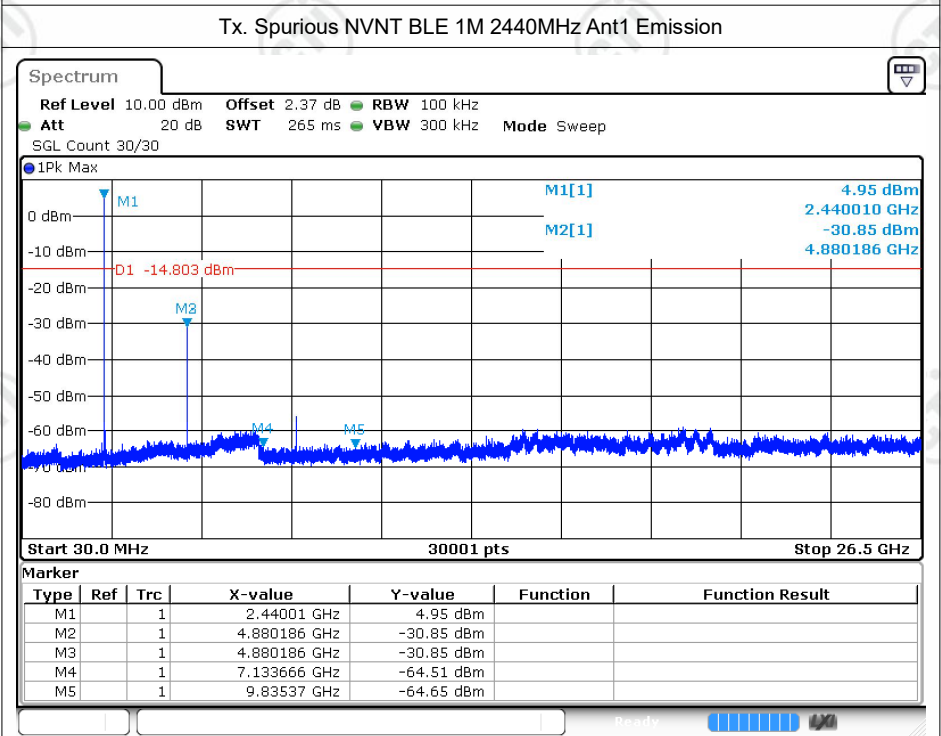
Date: 1.JUL.2025 21:18:19



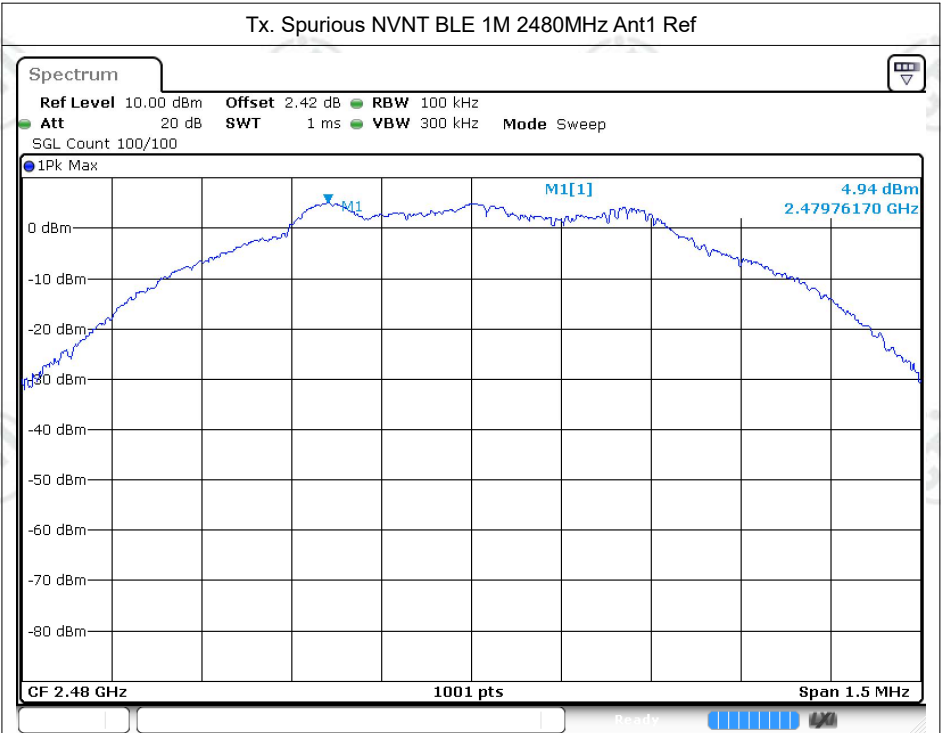
Date: 1.JUL.2025 21:19:06



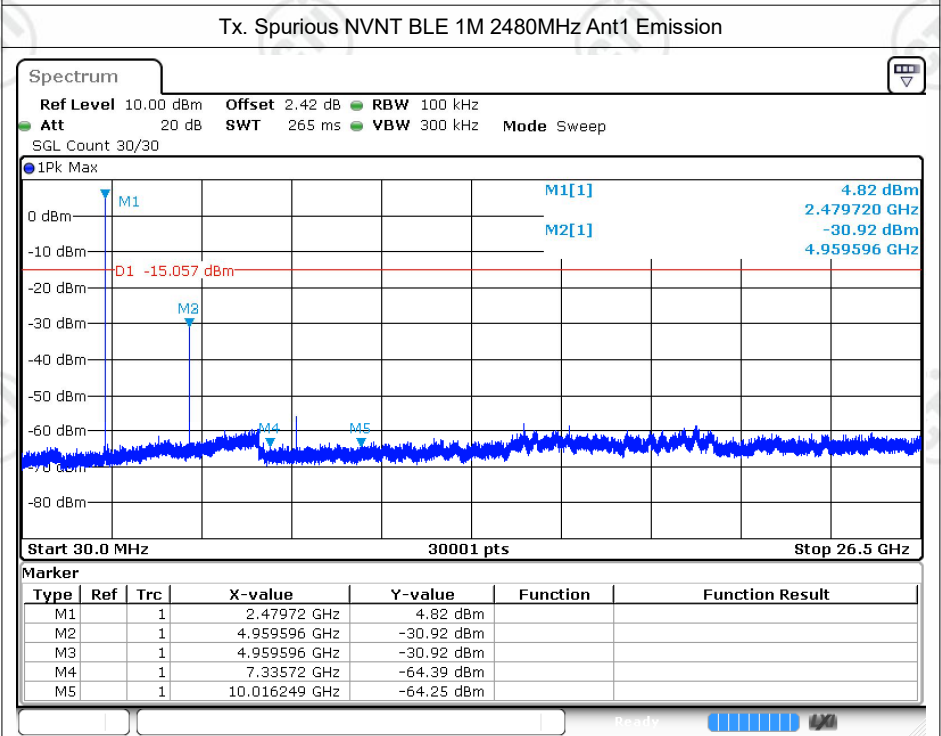
Date: 1.JUL.2025 21:21:38



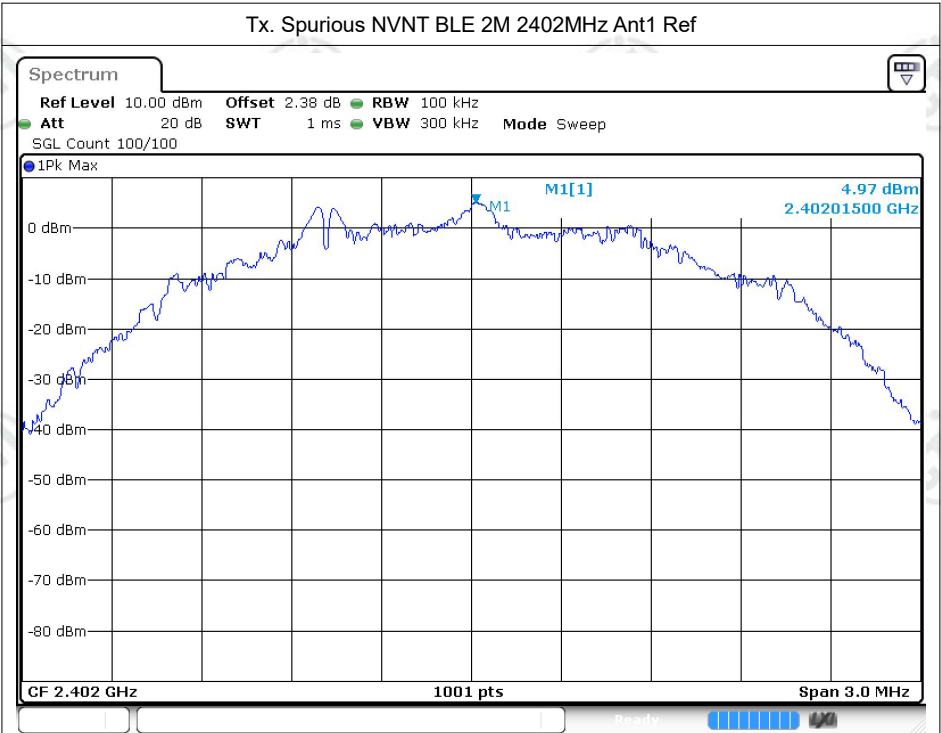
Date: 1.JUL.2025 21:22:07



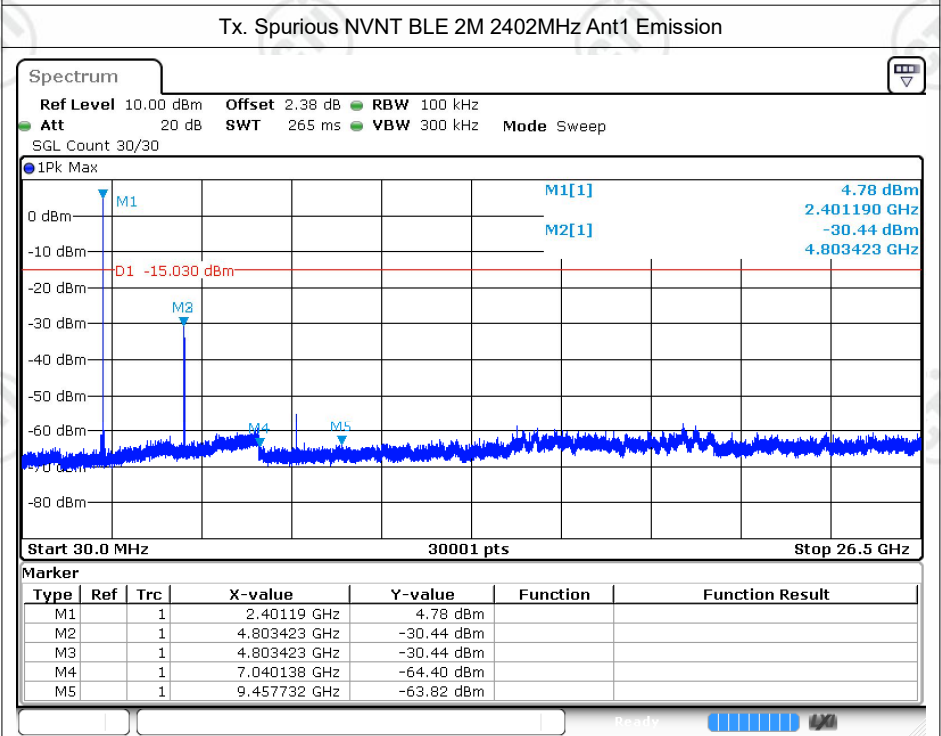
Date: 1.JUL.2025 21:24:42



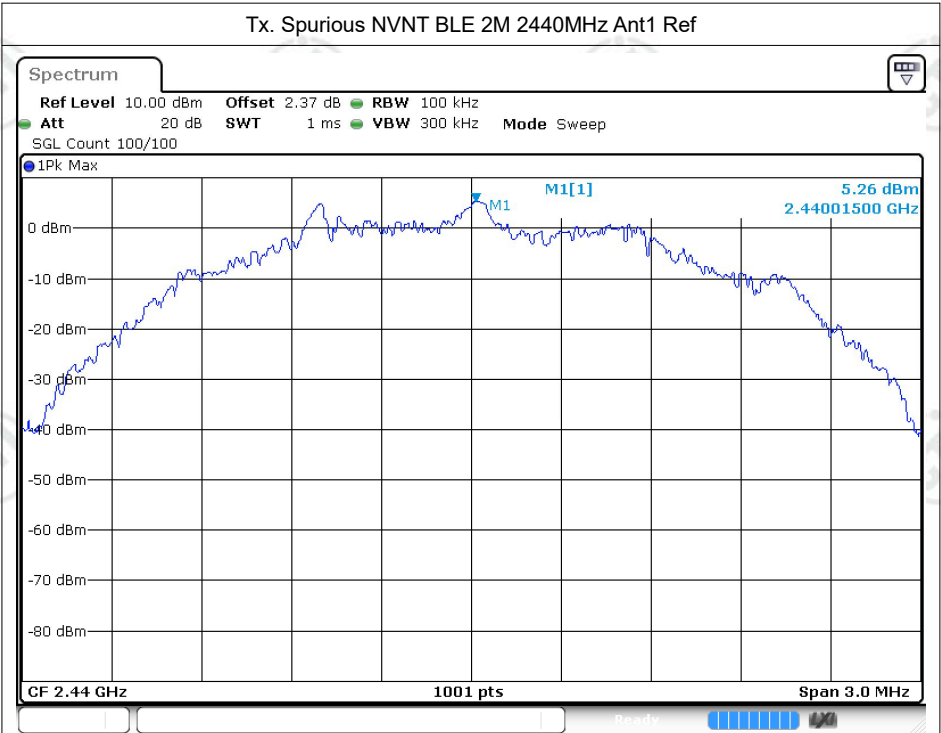
Date: 1.JUL.2025 21:25:11



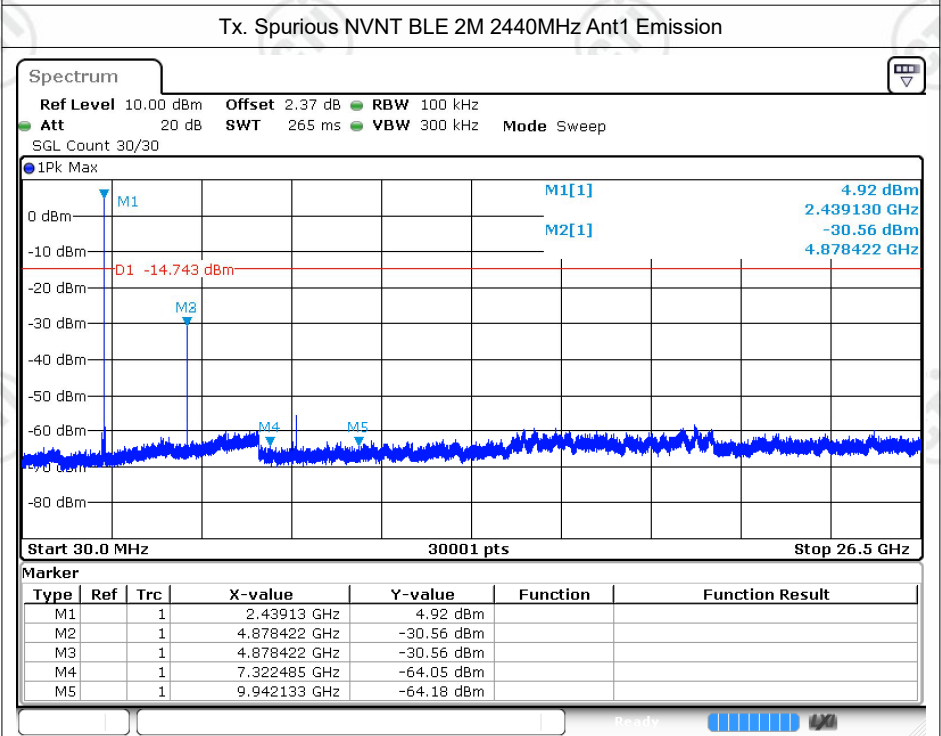
Date: 1.JUL.2025 21:27:16



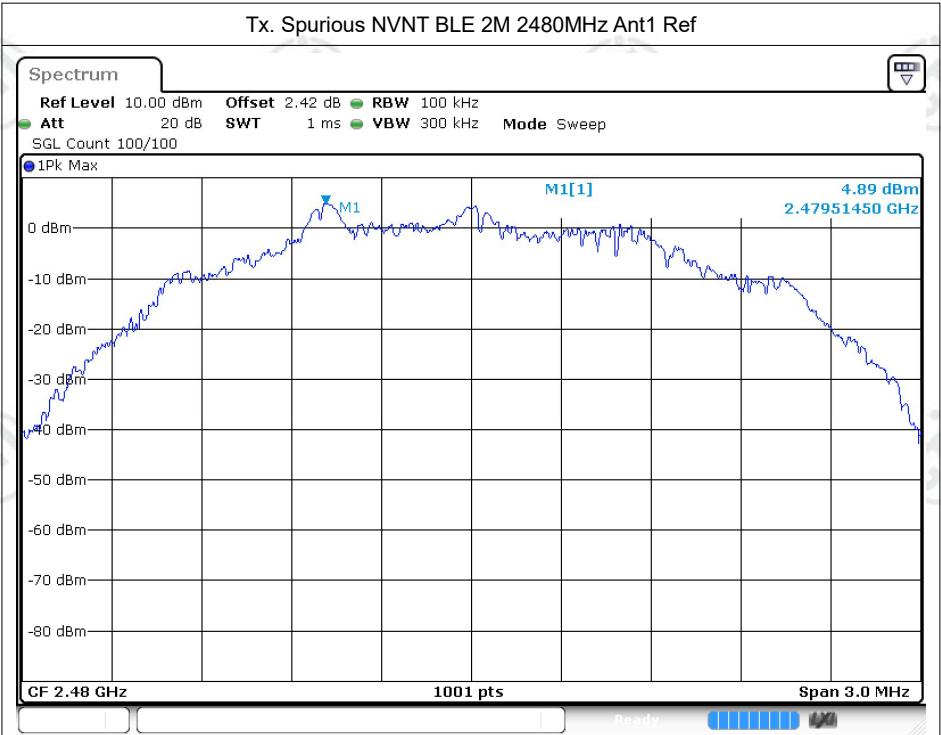
Date: 1.JUL.2025 21:27:45



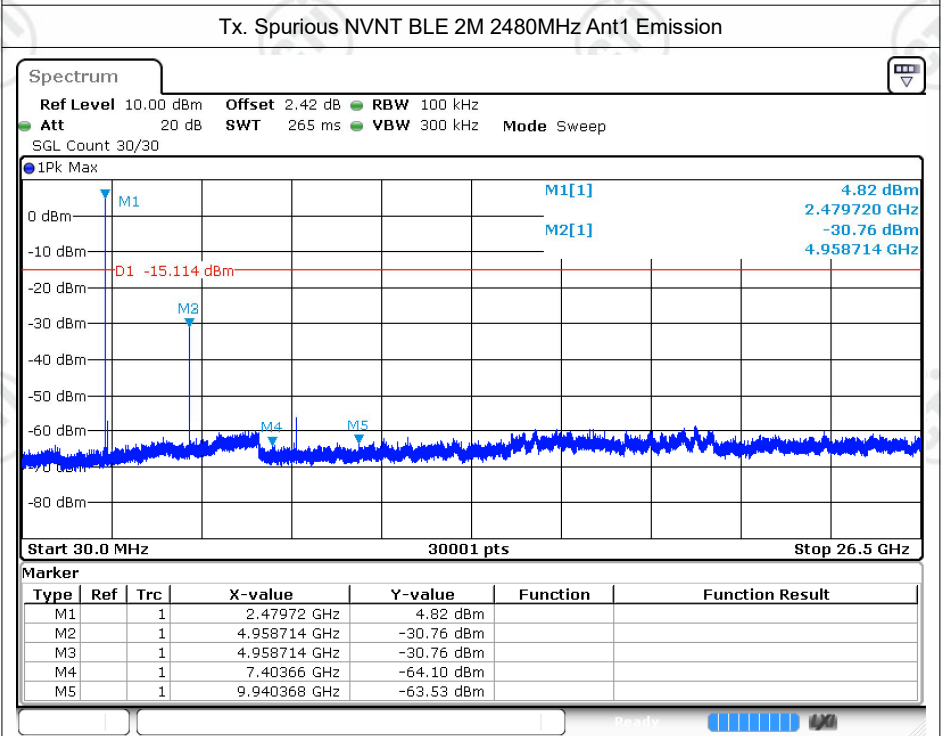
Date: 1.JUL.2025 21:29:09



Date: 1.JUL.2025 21:29:38



Date: 1.JUL.2025 21:31:04



Date: 1.JUL.2025 21:31:33

*** End of Report ***