

Appendix: Bluetooth LE

Contents

Contents 2

Duty Cycle 3

Maximum Peak Conducted Output Power 7

-6dB Bandwidth 11

Occupied Channel Bandwidth 15

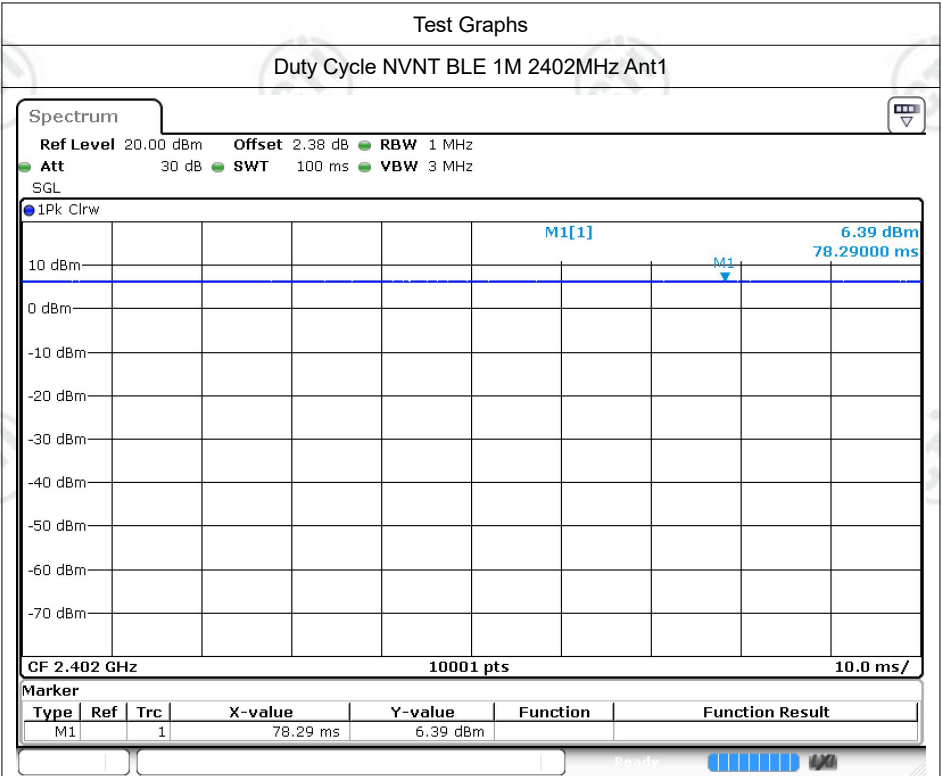
Maximum Power Spectral Density Level 19

Band Edge 23

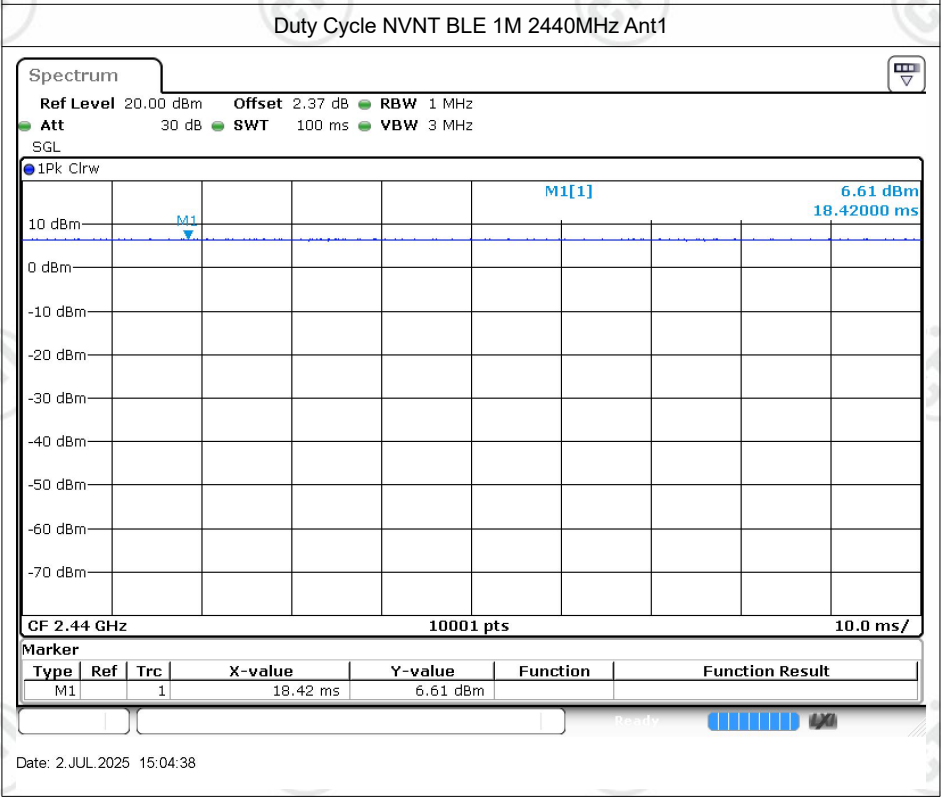
Conducted RF Spurious Emission 28

Duty Cycle

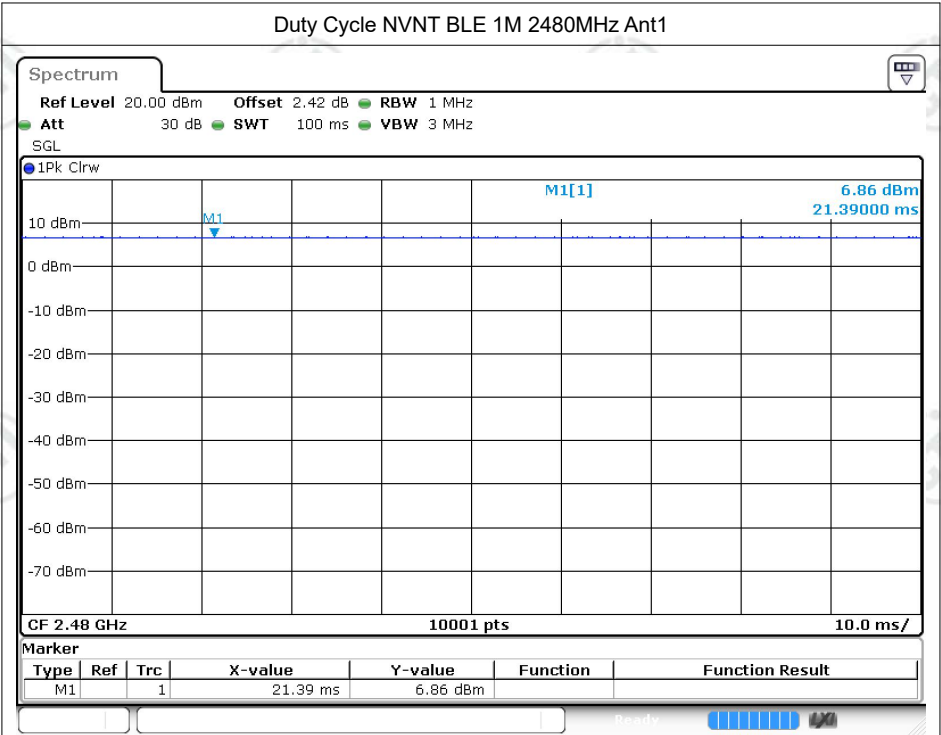
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	BLE 1M	2402	Ant1	100	0	0
NVNT	BLE 1M	2440	Ant1	100	0	0
NVNT	BLE 1M	2480	Ant1	100	0	0
NVNT	BLE 2M	2402	Ant1	100	0	0
NVNT	BLE 2M	2440	Ant1	100	0	0
NVNT	BLE 2M	2480	Ant1	100	0	0



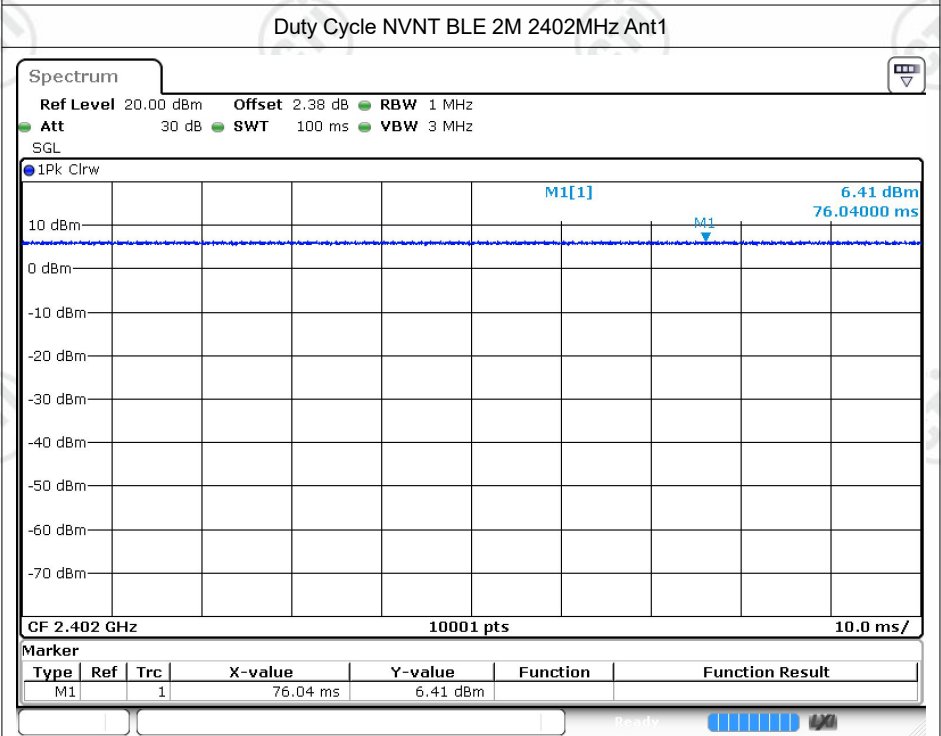
Date: 2 JUL 2025 15:00:54



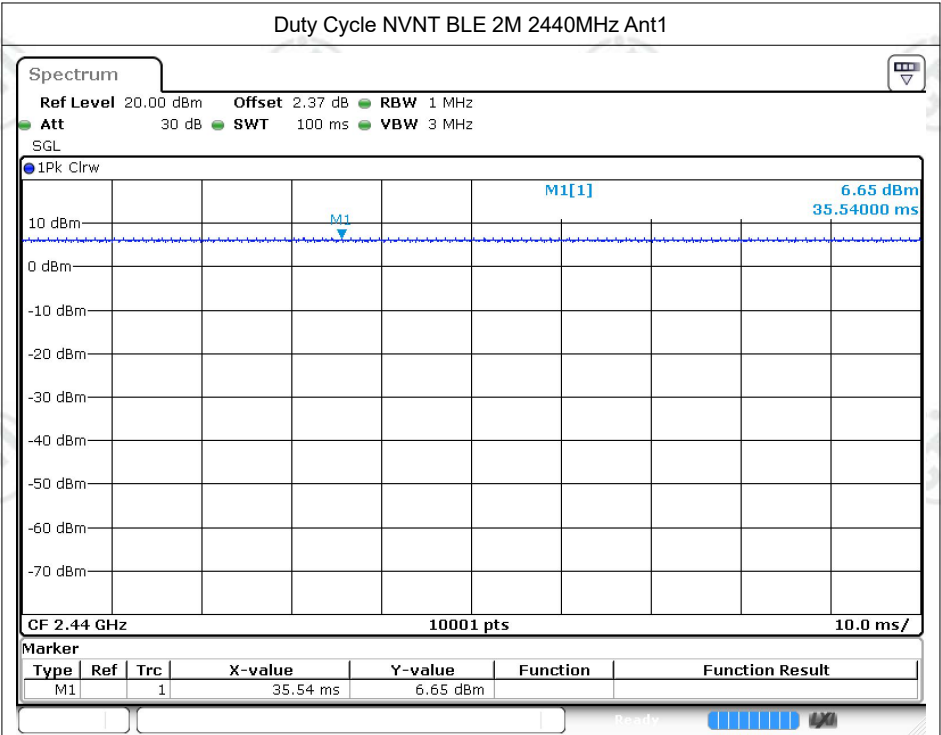
Date: 2 JUL 2025 15:04:38



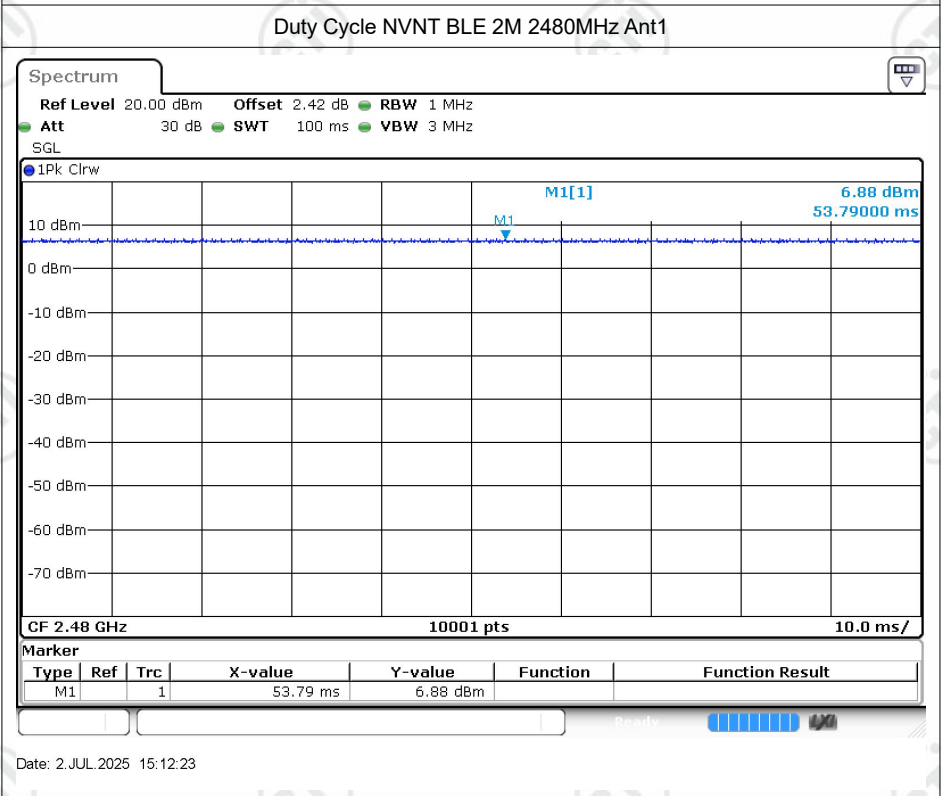
Date: 2 JUL 2025 15:06:14



Date: 2 JUL 2025 15:08:36



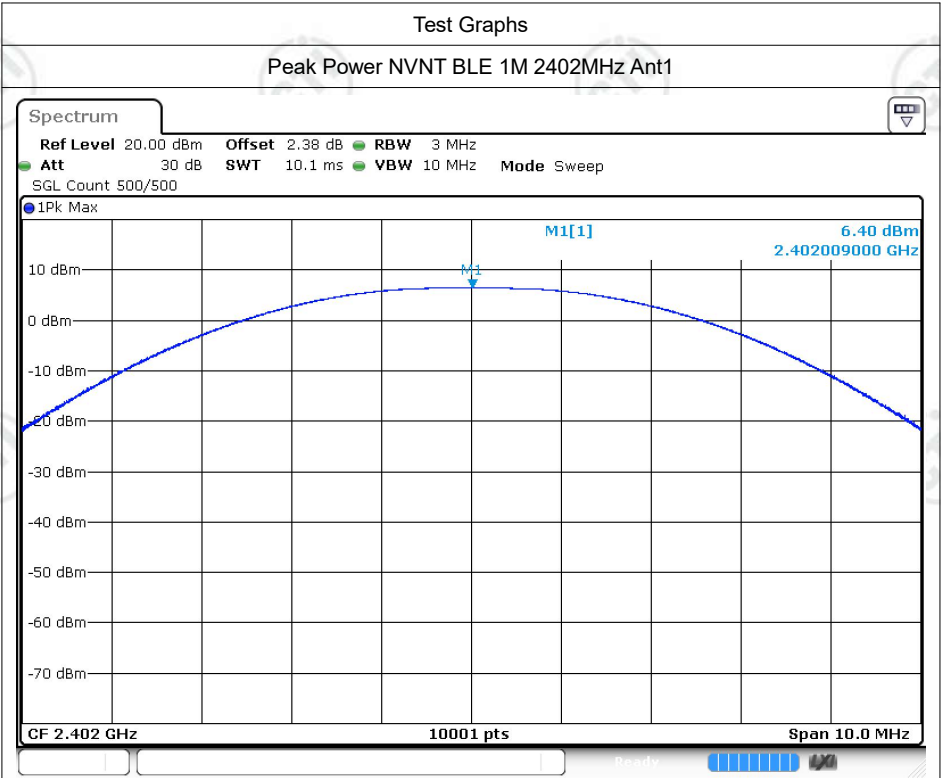
Date: 2 JUL 2025 15:10:28



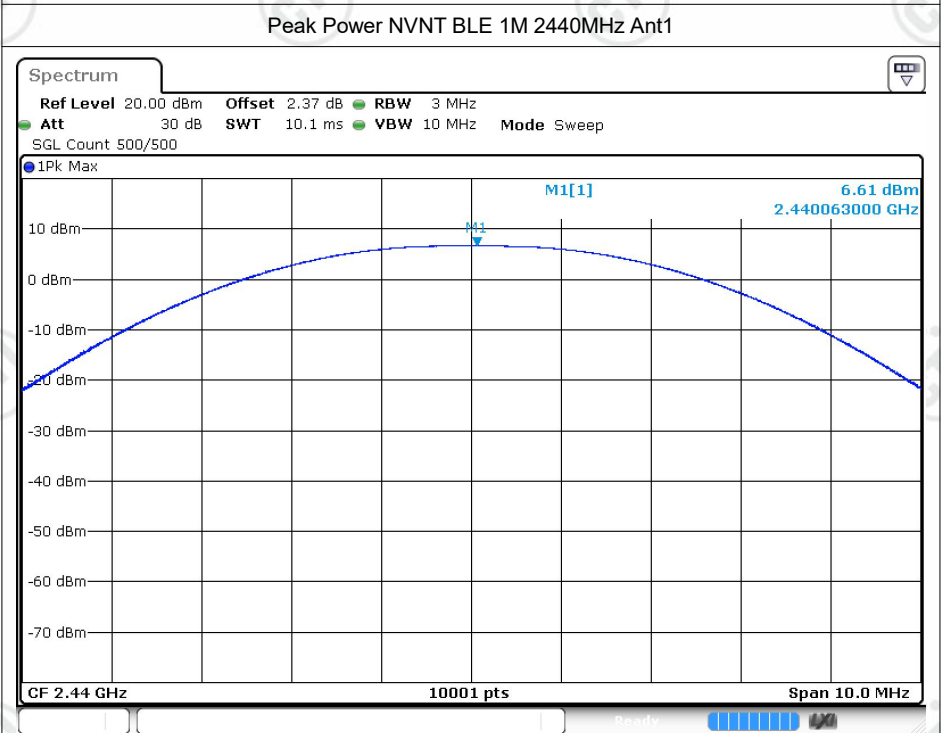
Date: 2 JUL 2025 15:12:23

Maximum Peak Conducted Output Power

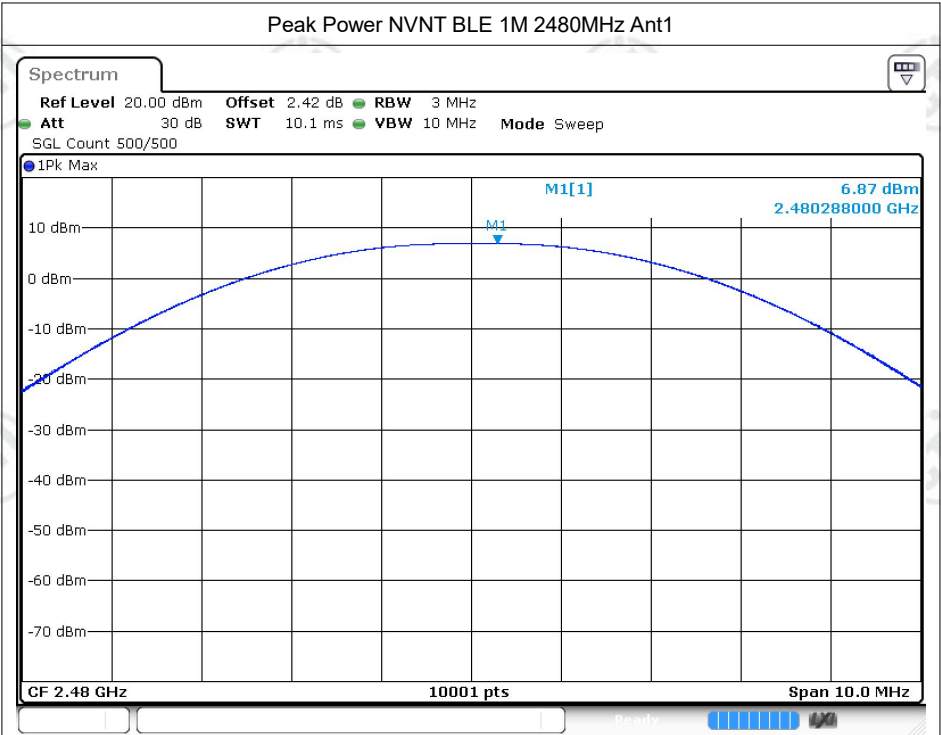
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	BLE 1M	2402	Ant1	6.4	30	Pass
NVNT	BLE 1M	2440	Ant1	6.61	30	Pass
NVNT	BLE 1M	2480	Ant1	6.87	30	Pass
NVNT	BLE 2M	2402	Ant1	6.43	30	Pass
NVNT	BLE 2M	2440	Ant1	6.64	30	Pass
NVNT	BLE 2M	2480	Ant1	6.89	30	Pass



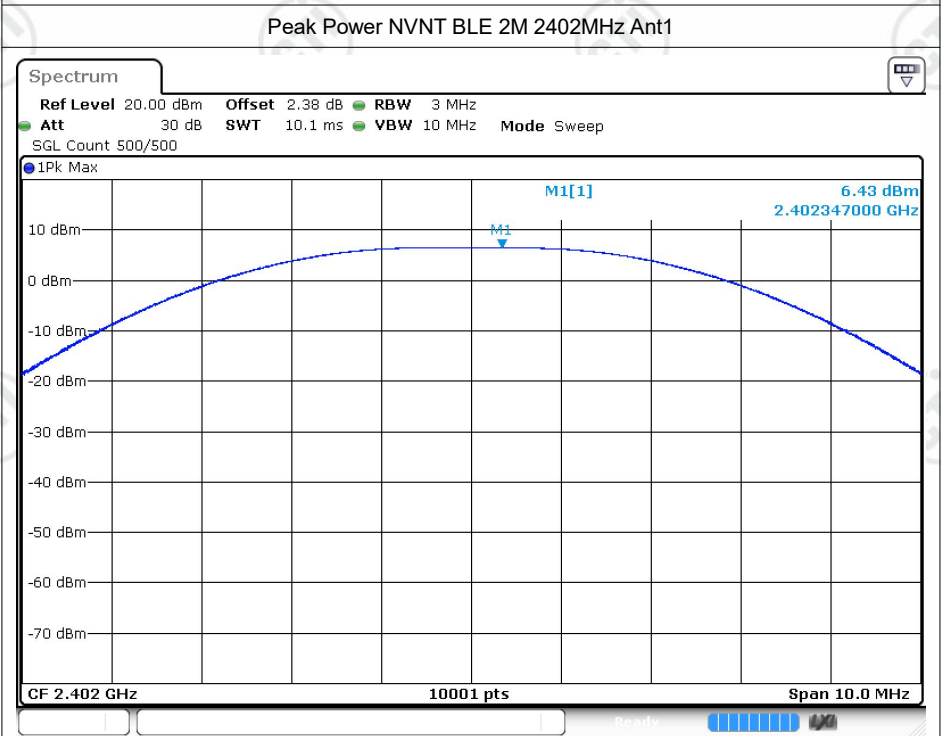
Date: 2 JUL 2025 15:01:04



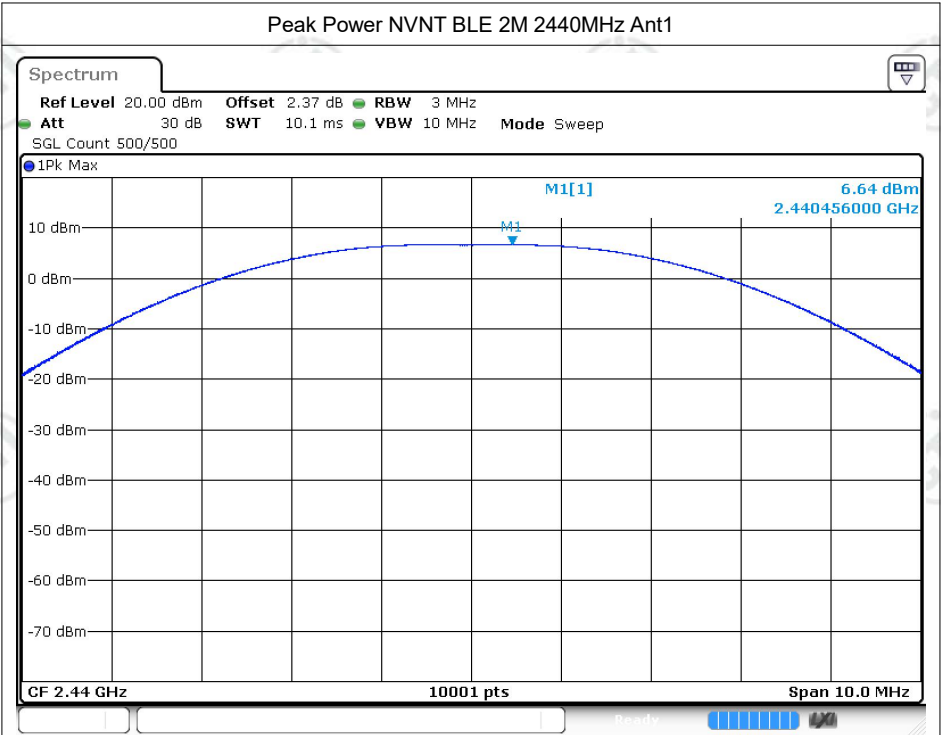
Date: 2 JUL 2025 15:04:48



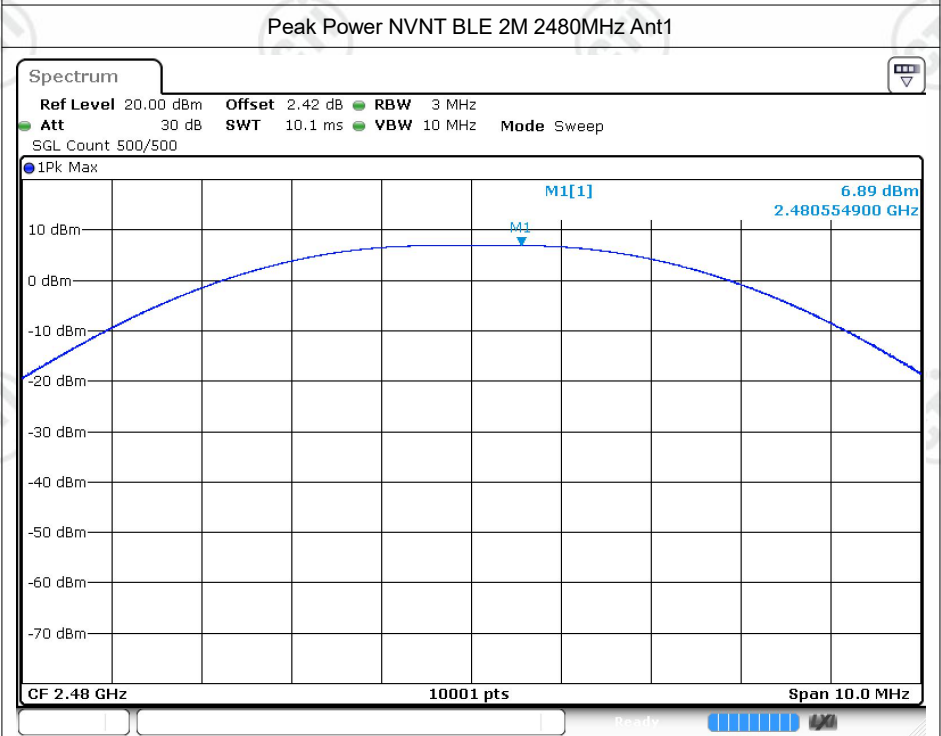
Date: 2.JUL.2025 15:06:24



Date: 2.JUL.2025 15:08:46



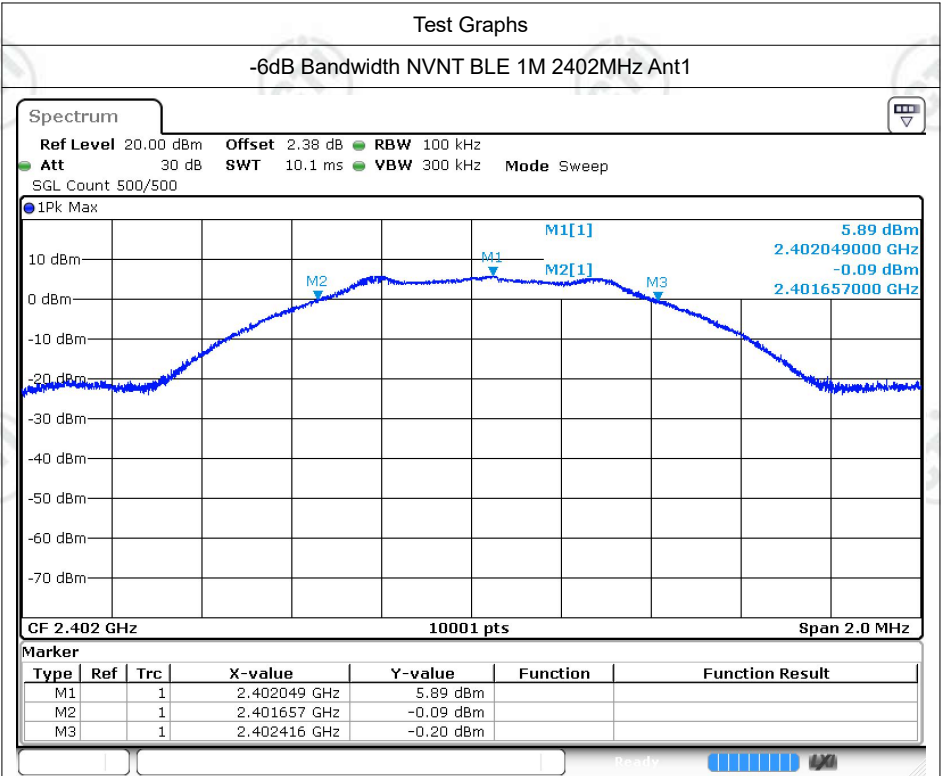
Date: 2.JUL.2025 15:10:38



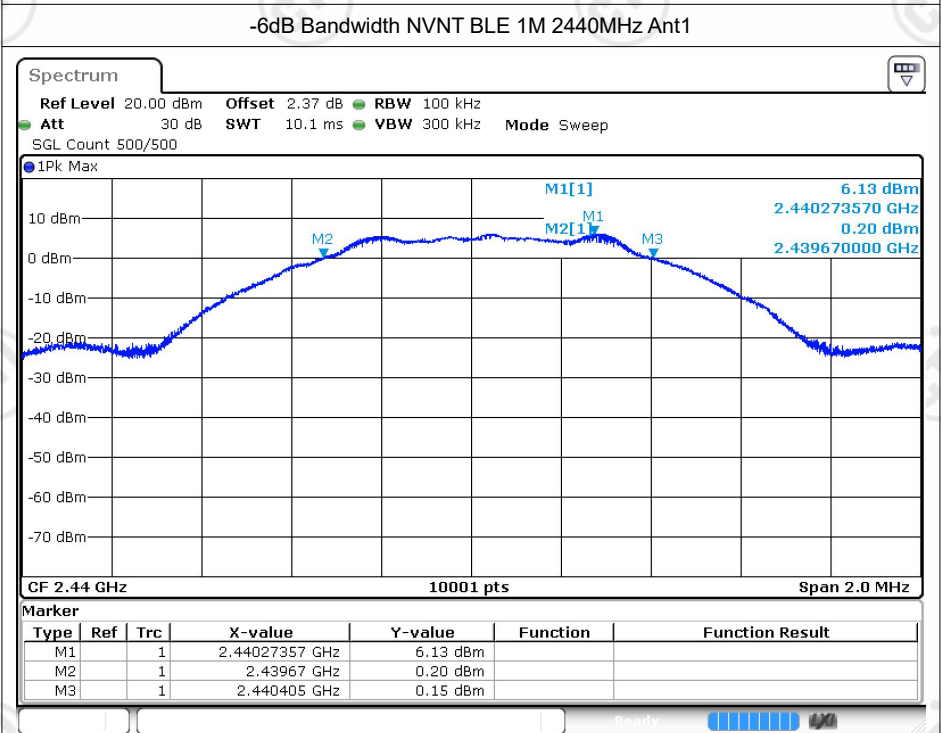
Date: 2.JUL.2025 15:12:33

-6dB Bandwidth

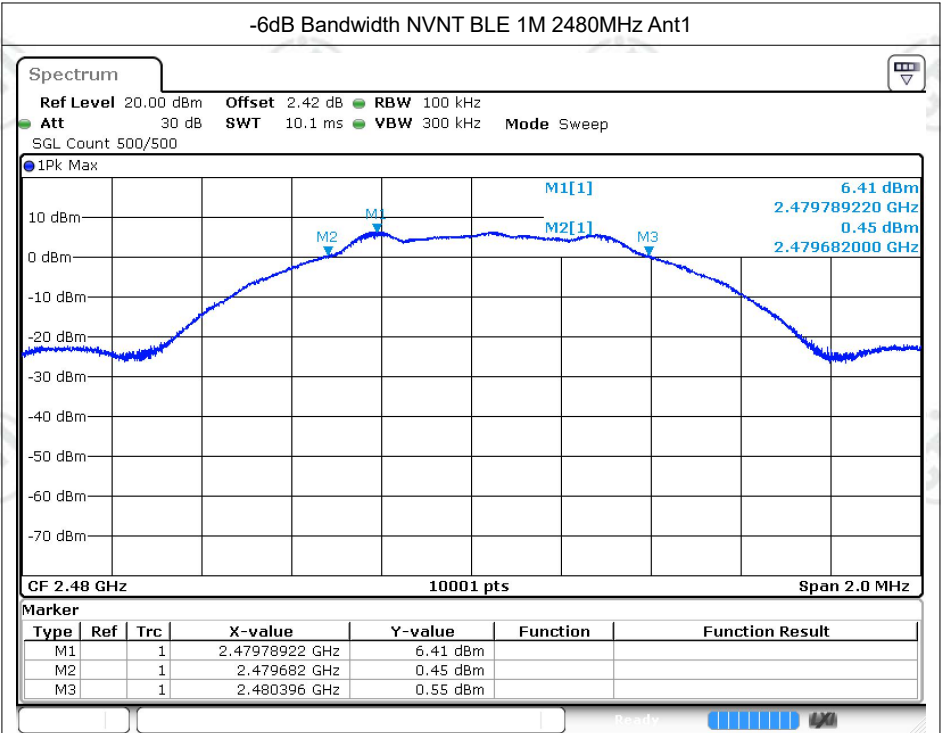
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	BLE 1M	2402	Ant1	0.76	0.5	Pass
NVNT	BLE 1M	2440	Ant1	0.735	0.5	Pass
NVNT	BLE 1M	2480	Ant1	0.715	0.5	Pass
NVNT	BLE 2M	2402	Ant1	1.325	0.5	Pass
NVNT	BLE 2M	2440	Ant1	1.275	0.5	Pass
NVNT	BLE 2M	2480	Ant1	1.232	0.5	Pass



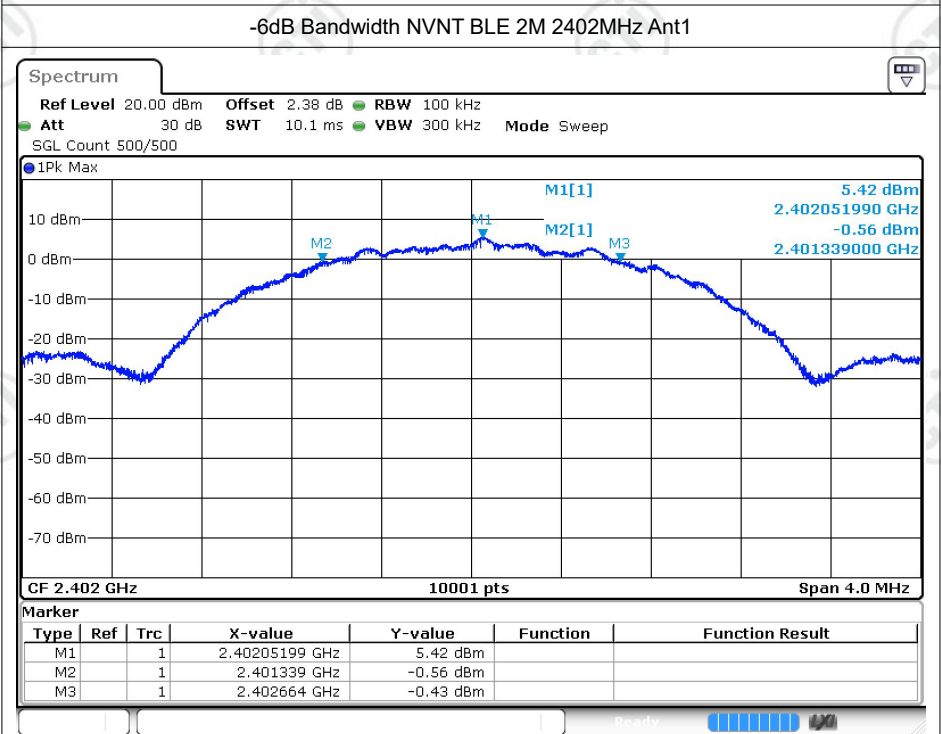
Date: 2.JUL.2025 15:01:26



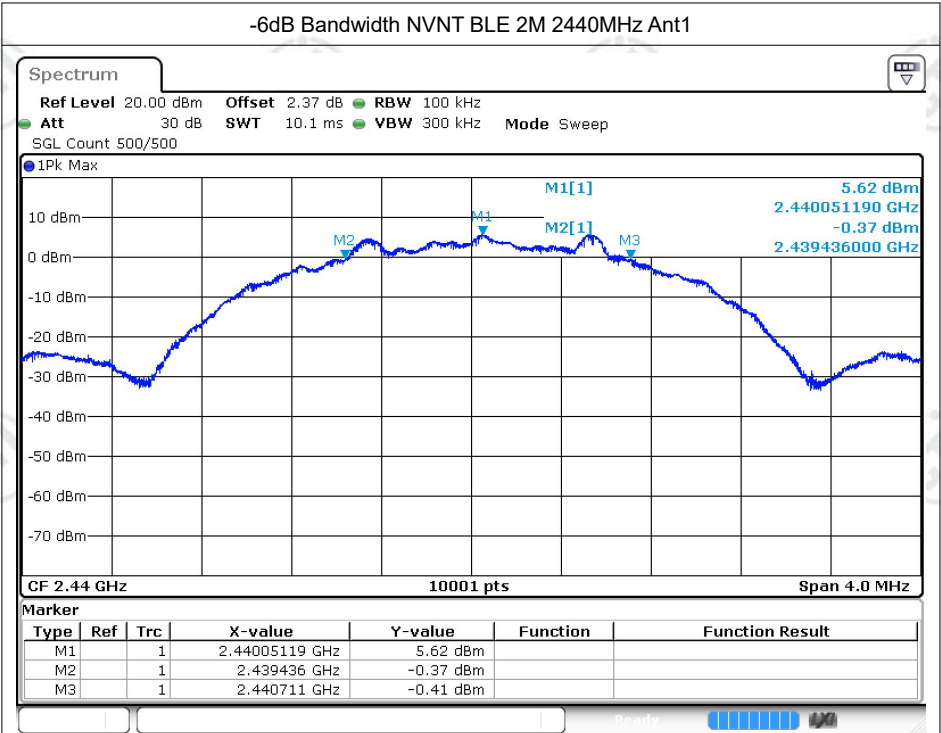
Date: 2.JUL.2025 15:05:11



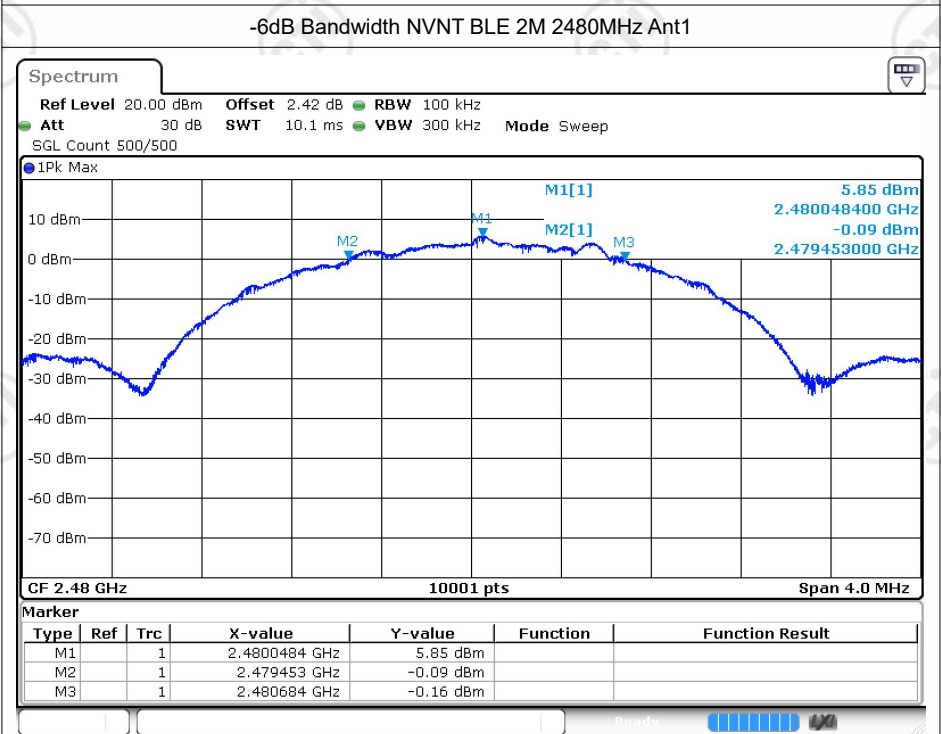
Date: 2.JUL.2025 15:06:47



Date: 2.JUL.2025 15:09:08



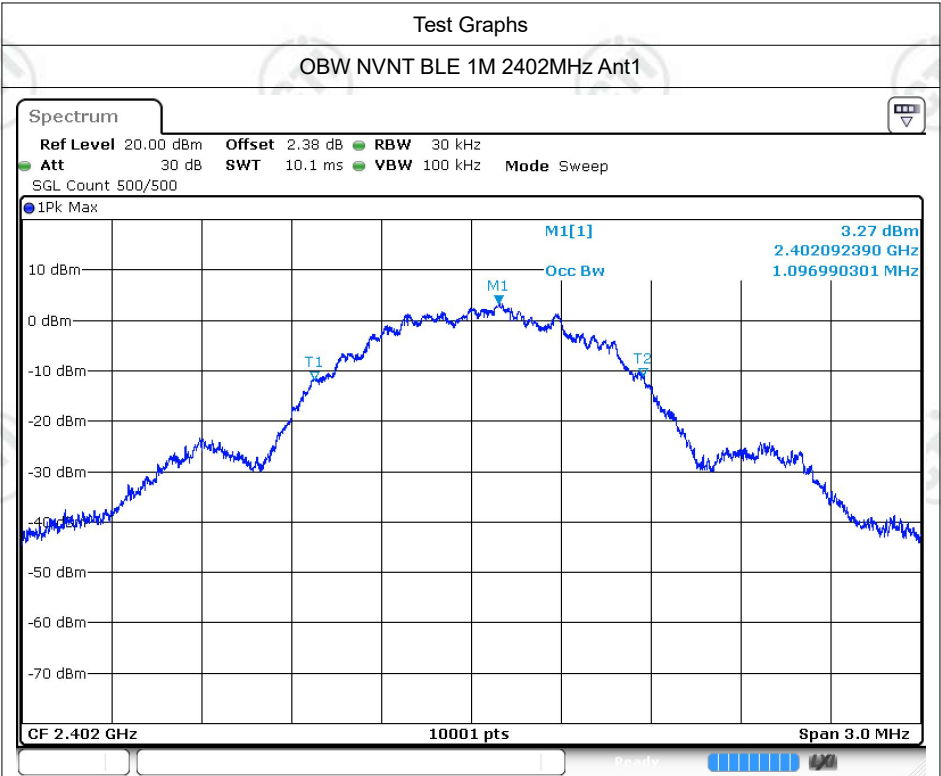
Date: 2.JUL.2025 15:11:00



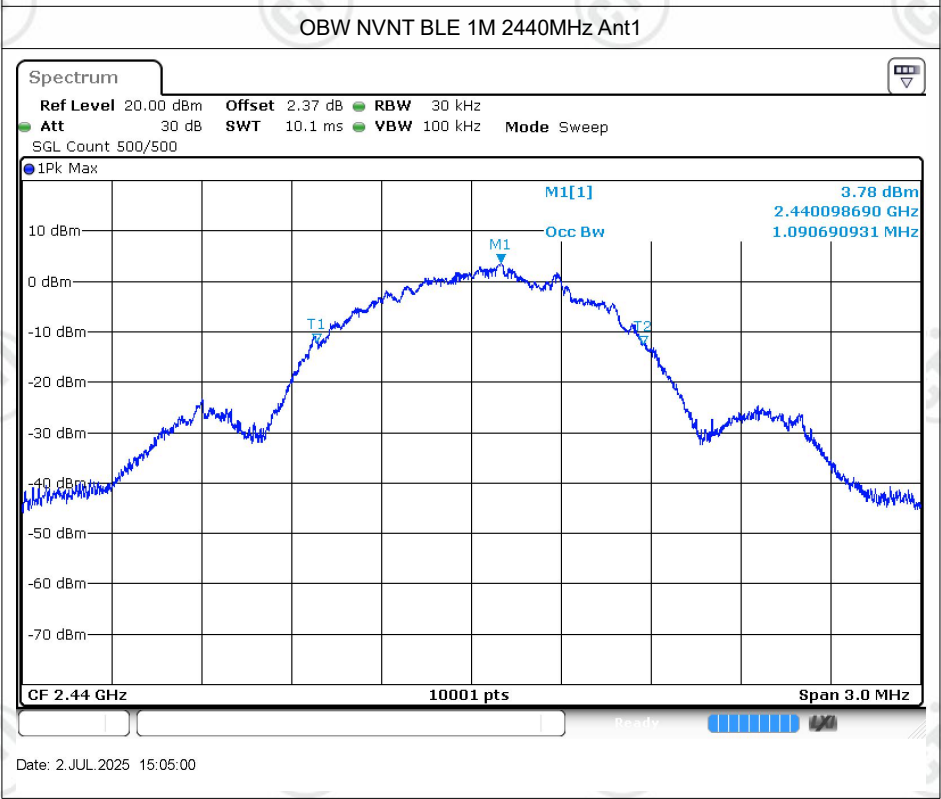
Date: 2.JUL.2025 15:12:55

Occupied Channel Bandwidth

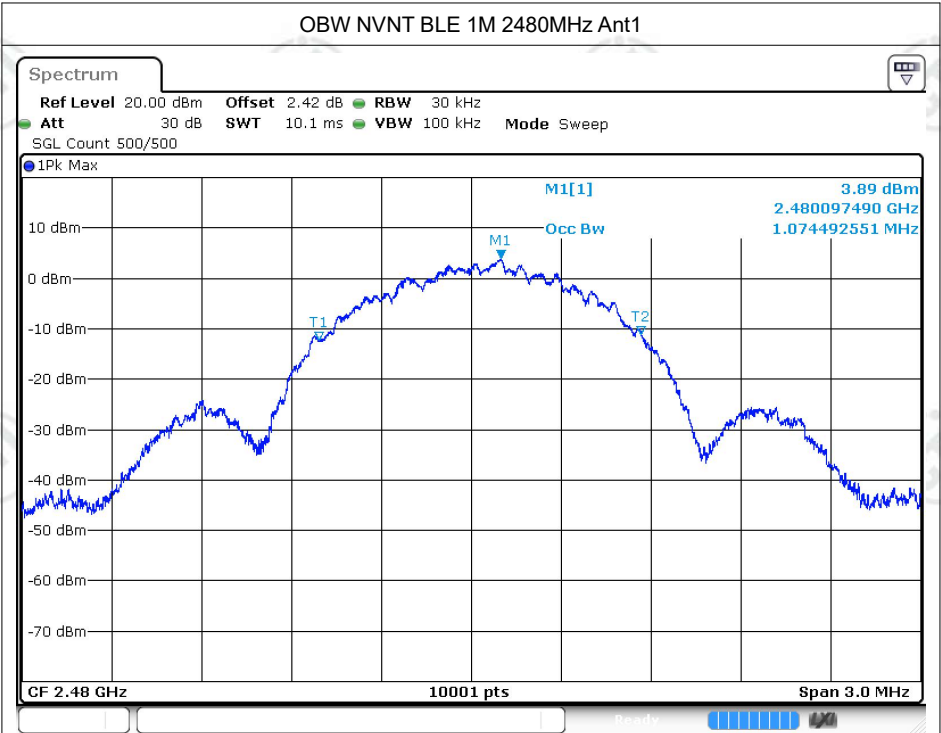
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	BLE 1M	2402	Ant1	1.097
NVNT	BLE 1M	2440	Ant1	1.091
NVNT	BLE 1M	2480	Ant1	1.074
NVNT	BLE 2M	2402	Ant1	2.162
NVNT	BLE 2M	2440	Ant1	2.137
NVNT	BLE 2M	2480	Ant1	2.13



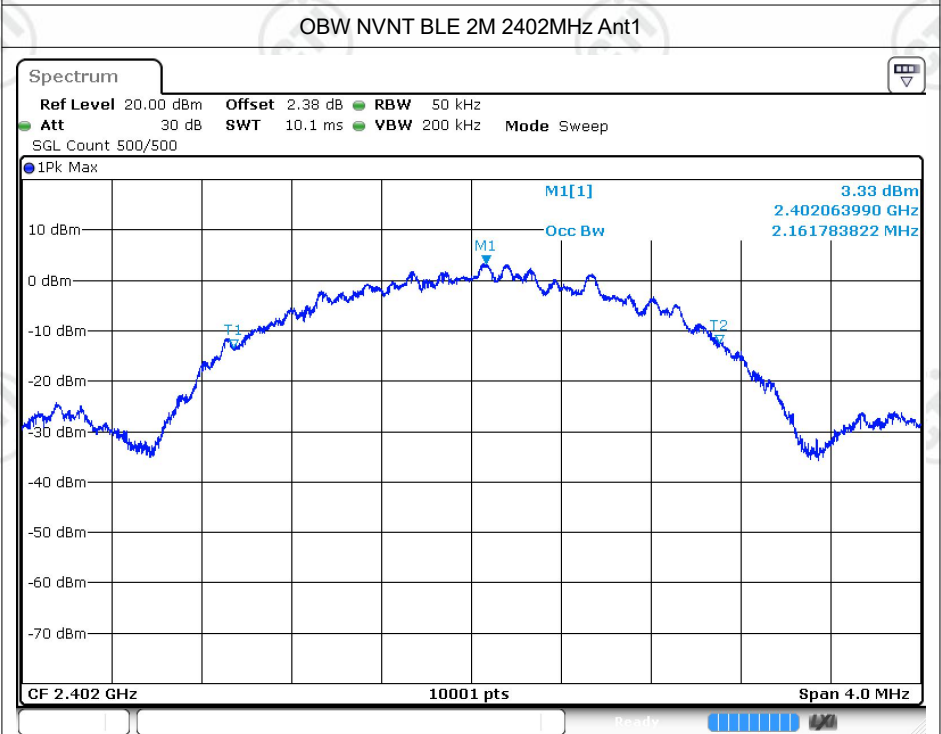
Date: 2 JUL 2025 15:01:15



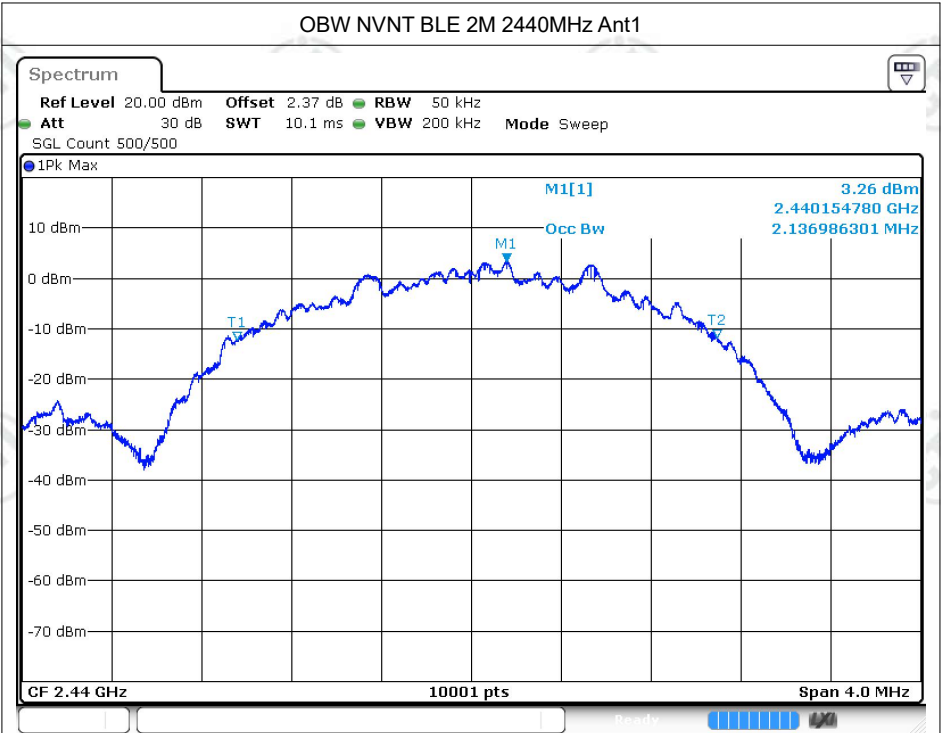
Date: 2 JUL 2025 15:05:00



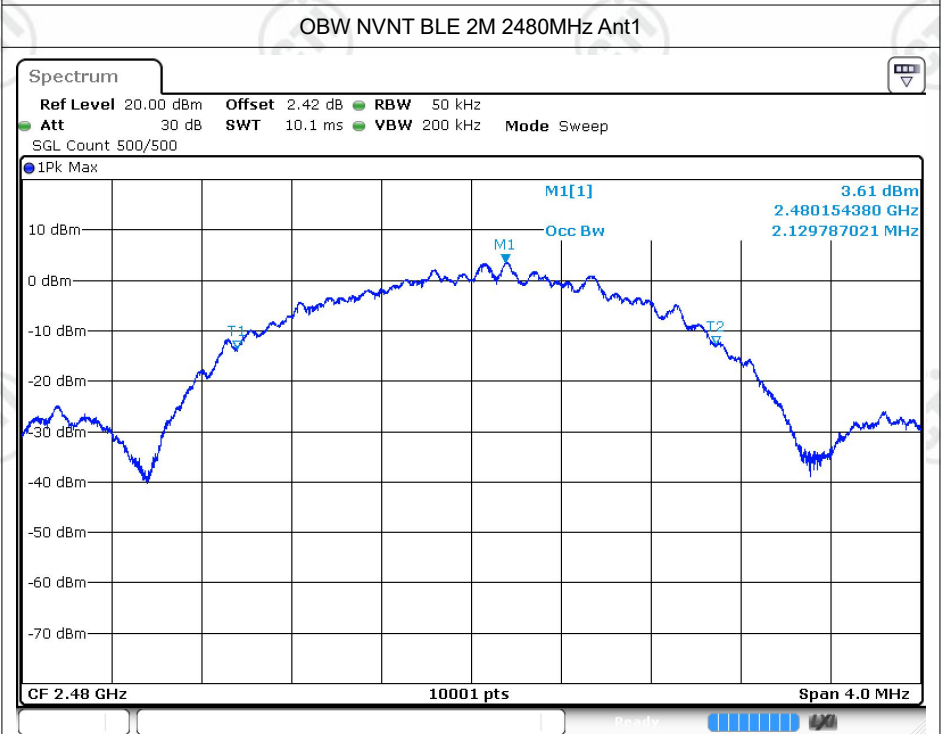
Date: 2.JUL.2025 15:06:36



Date: 2.JUL.2025 15:08:57



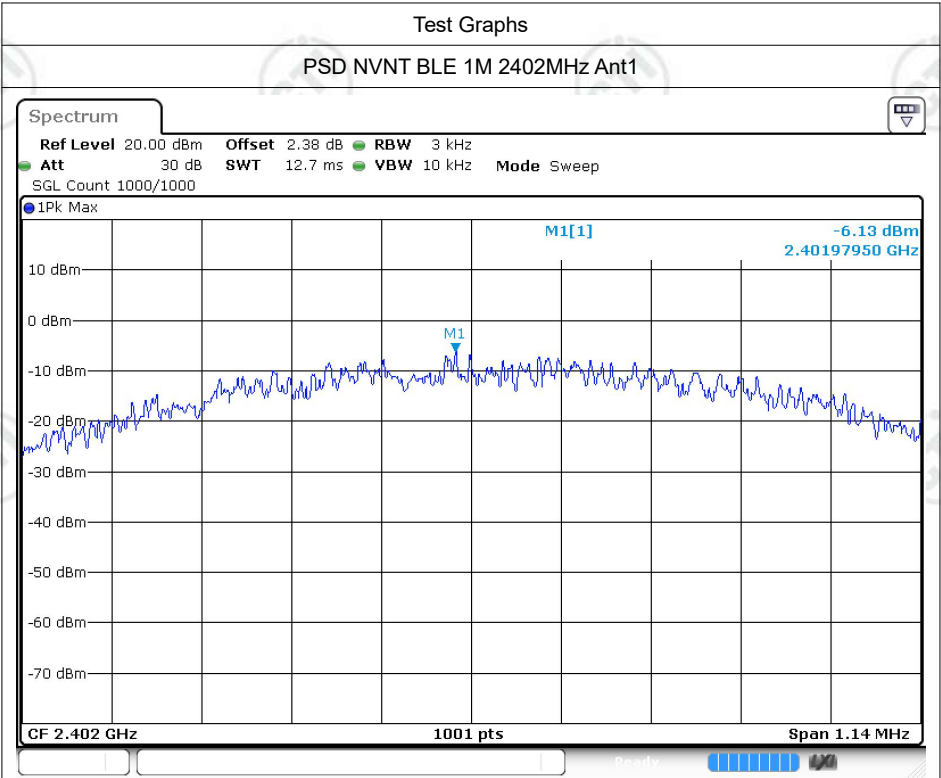
Date: 2.JUL.2025 15:10:49



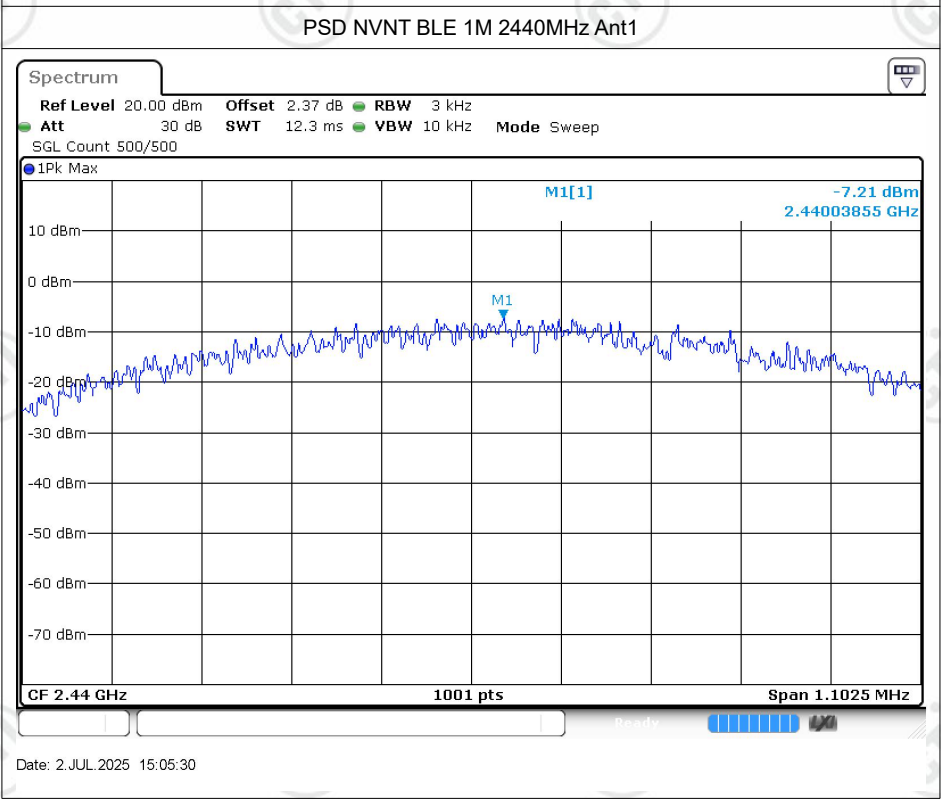
Date: 2.JUL.2025 15:12:44

Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
NVNT	BLE 1M	2402	Ant1	-6.13	8	Pass
NVNT	BLE 1M	2440	Ant1	-7.21	8	Pass
NVNT	BLE 1M	2480	Ant1	-6.35	8	Pass
NVNT	BLE 2M	2402	Ant1	-9.83	8	Pass
NVNT	BLE 2M	2440	Ant1	-9.32	8	Pass
NVNT	BLE 2M	2480	Ant1	-9.84	8	Pass



Date: 2 JUL 2025 15:02:00



Date: 2 JUL 2025 15:05:30