

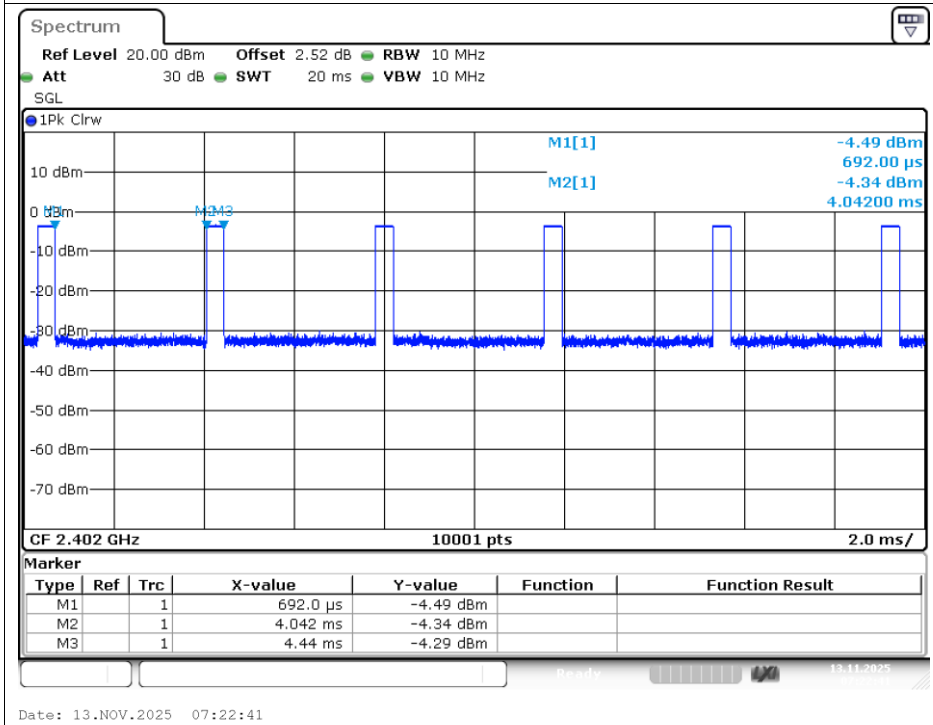
Appendix D

Duty Cycle

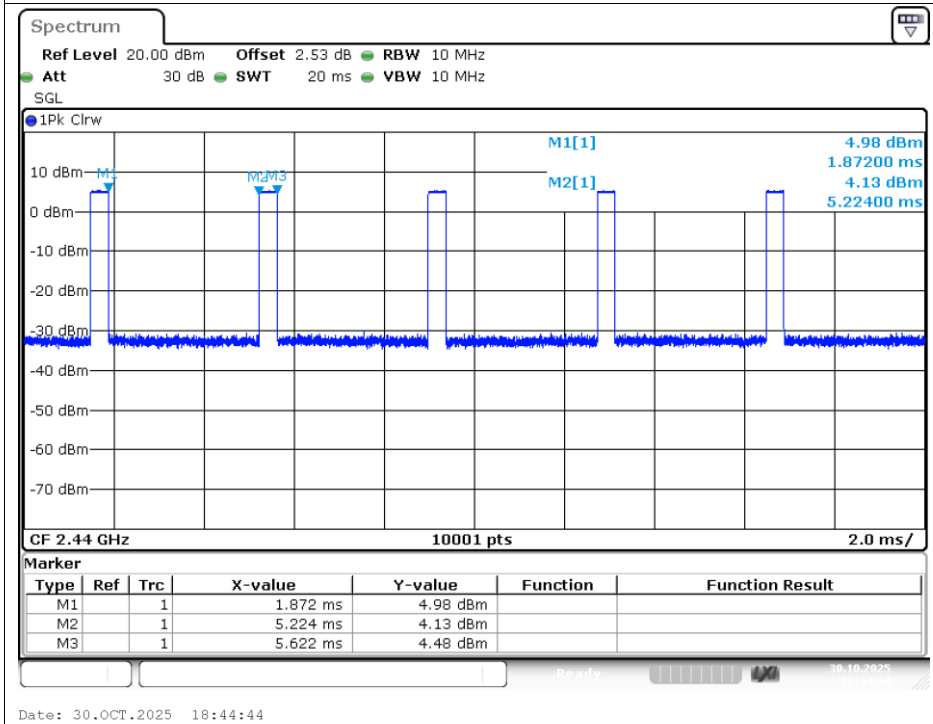
Condition	Mode	Frequency (MHz)	Antenna	On Time (ms)	Period (ms)	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)	Final settingFor VBW (kHz)
NVNT	BLE 1M	2402	Ant1	0.4	3.75	10.67	9.72	2.51	1
NVNT	BLE 1M	2440	Ant1	0.4	3.75	10.67	9.72	2.51	1
NVNT	BLE 1M	2480	Ant1	0.4	3.75	10.67	9.72	2.5	1
NVNT	BLE 2M	2402	Ant1	0.2	3.75	5.33	12.73	4.9	1
NVNT	BLE 2M	2440	Ant1	0.2	3.75	5.33	12.73	4.9	1
NVNT	BLE 2M	2480	Ant1	0.2	3.75	5.33	12.73	4.94	1

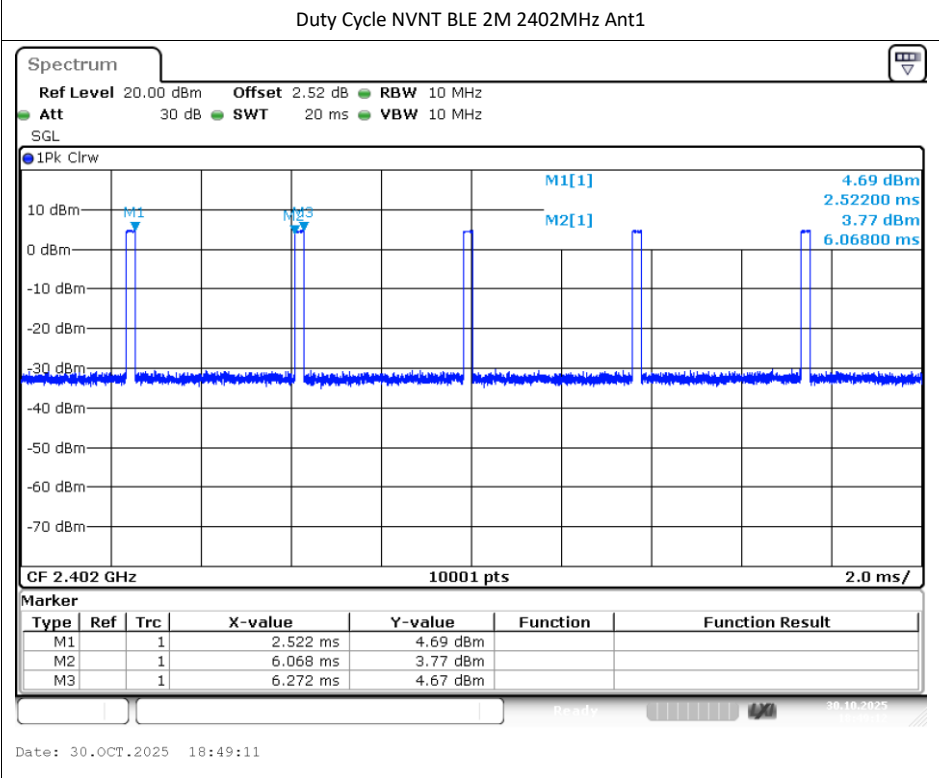
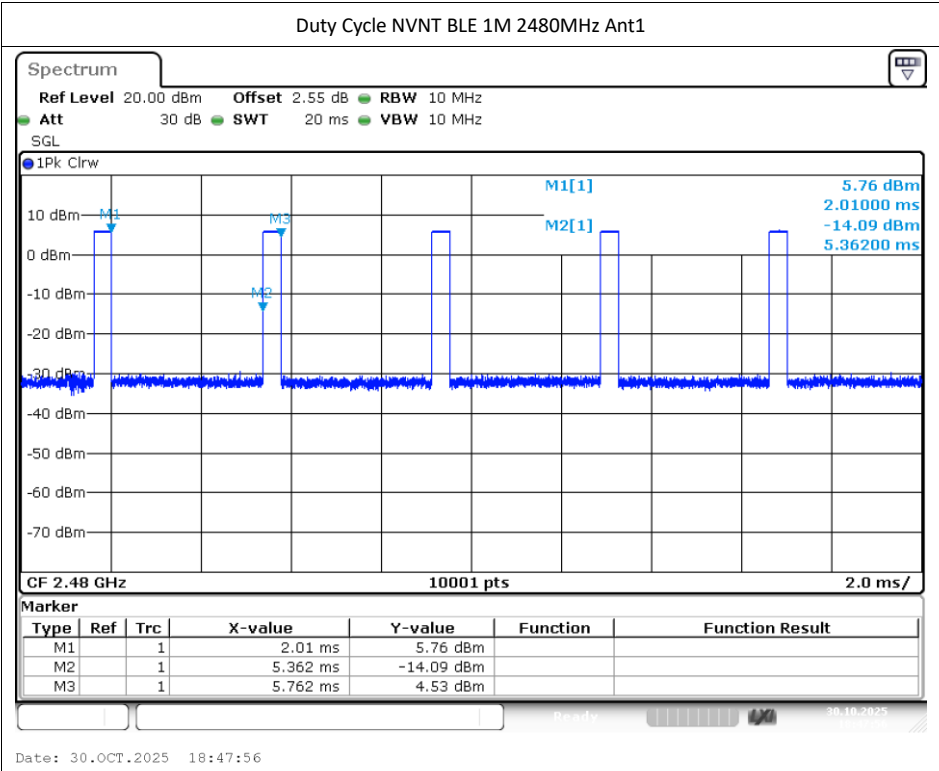
Test Graphs

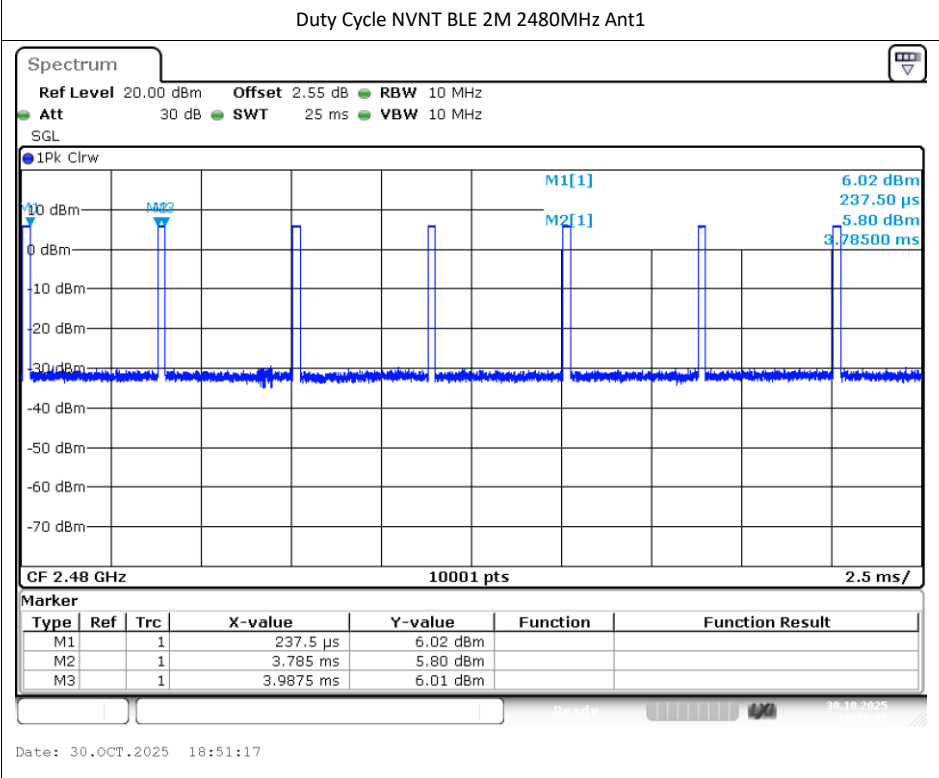
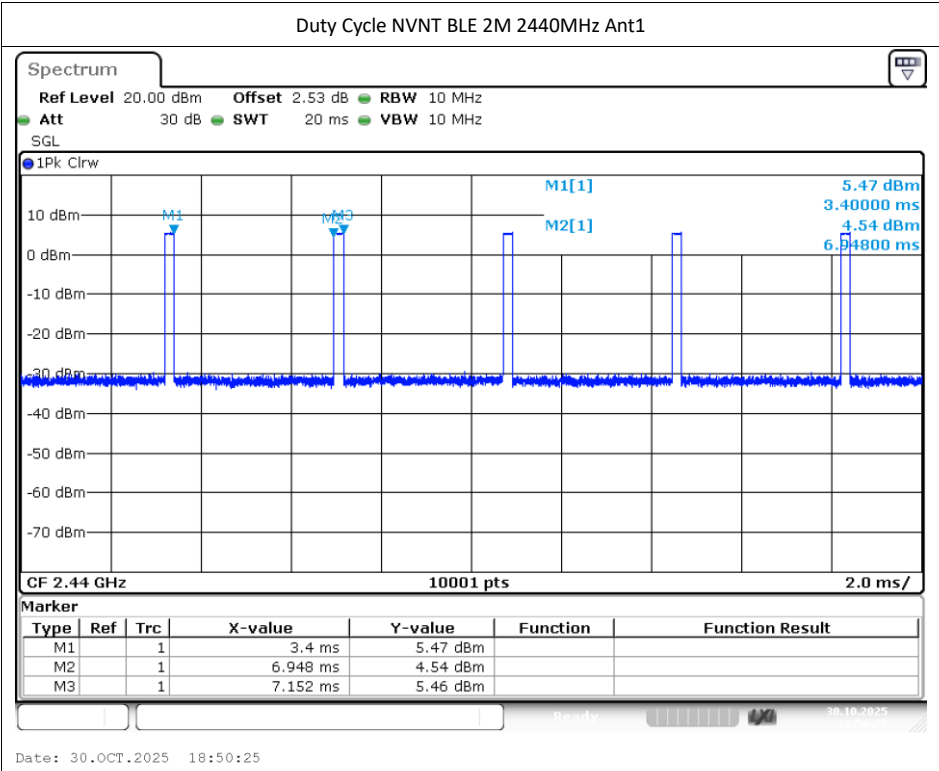
Duty Cycle NVNT BLE 1M 2402MHz Ant1



Duty Cycle NVNT BLE 1M 2440MHz Ant1

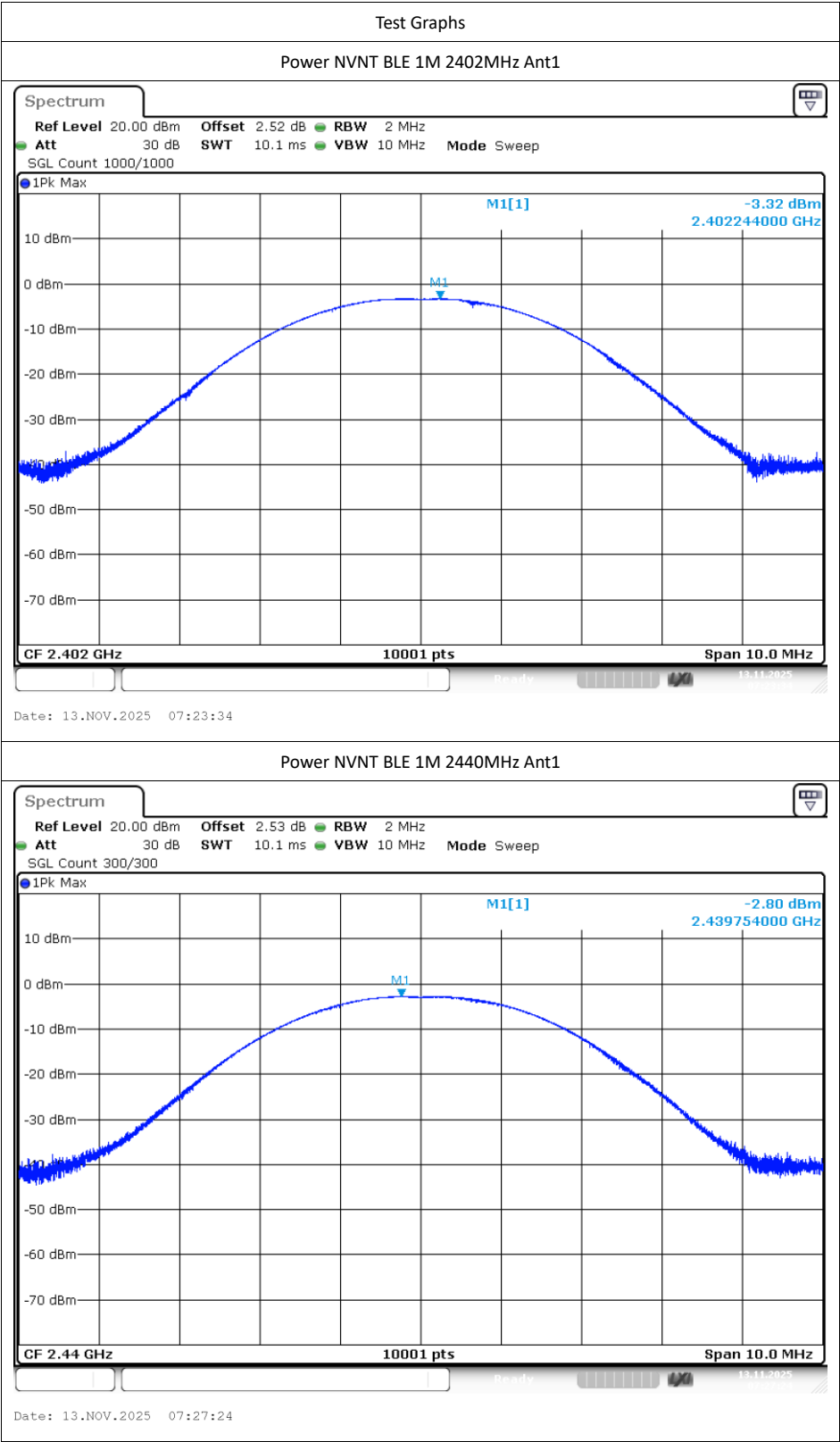


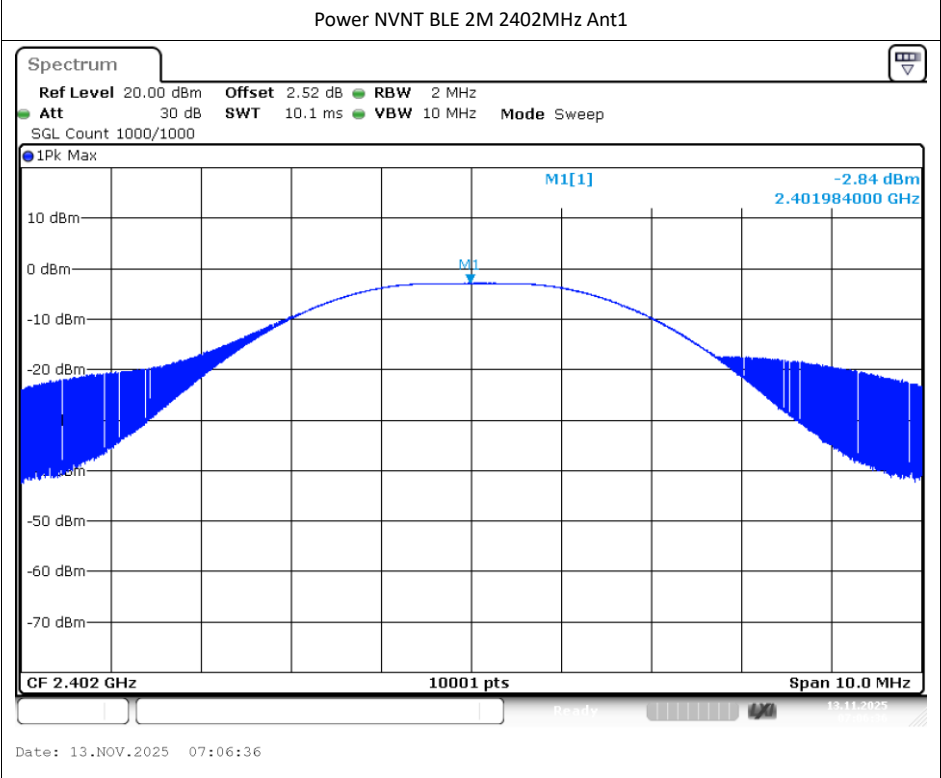
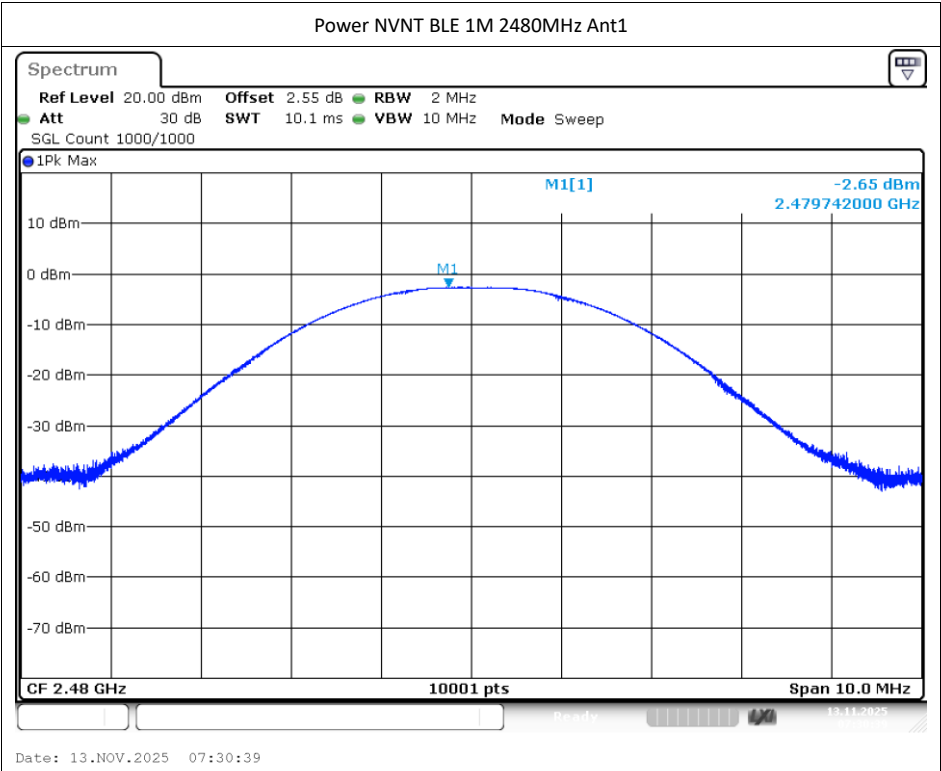


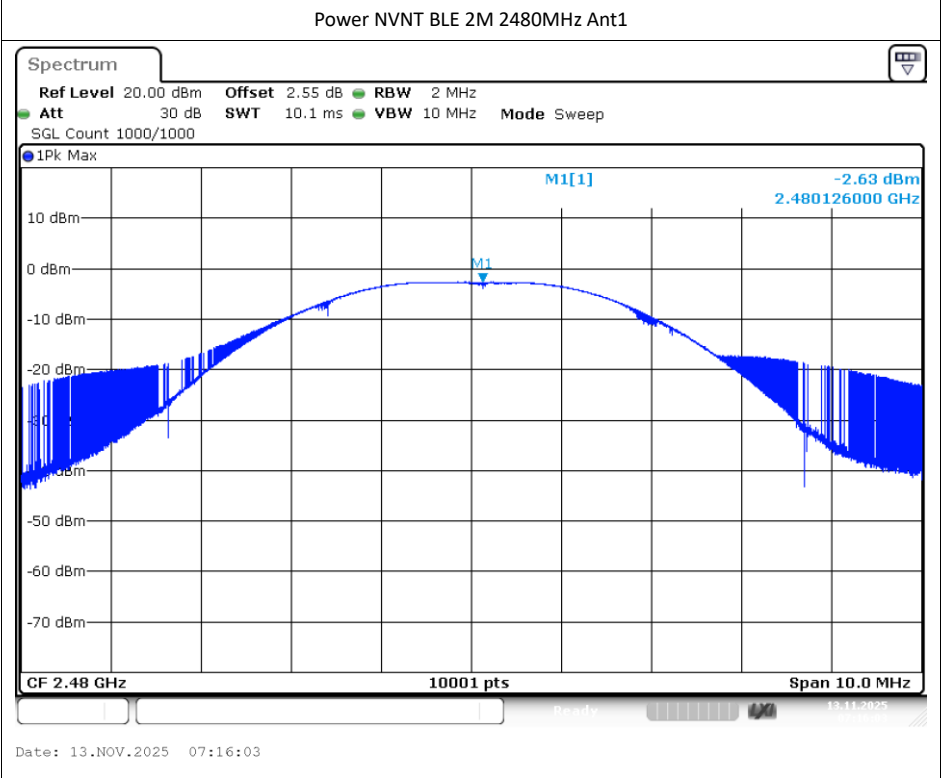
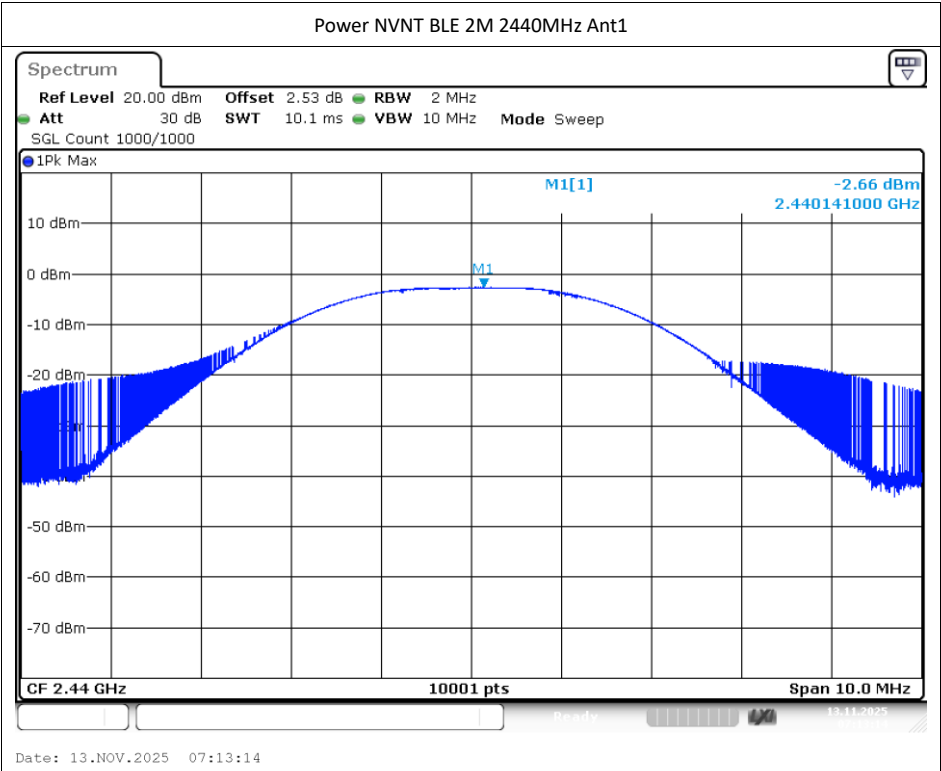


Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	BLE 1M	2402	Ant1	-3.32	0	-3.32	30	Pass
NVNT	BLE 1M	2440	Ant1	-2.8	0	-2.8	30	Pass
NVNT	BLE 1M	2480	Ant1	-2.65	0	-2.65	30	Pass
NVNT	BLE 2M	2402	Ant1	-2.84	0	-2.84	30	Pass
NVNT	BLE 2M	2440	Ant1	-2.66	0	-2.66	30	Pass
NVNT	BLE 2M	2480	Ant1	-2.63	0	-2.63	30	Pass





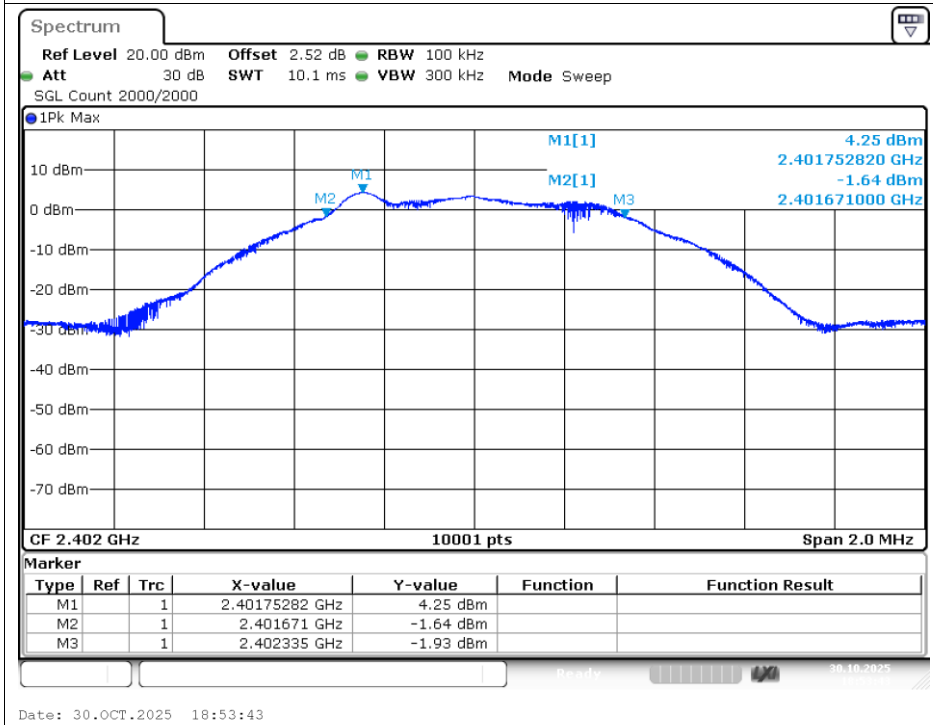


-6dB Bandwidth

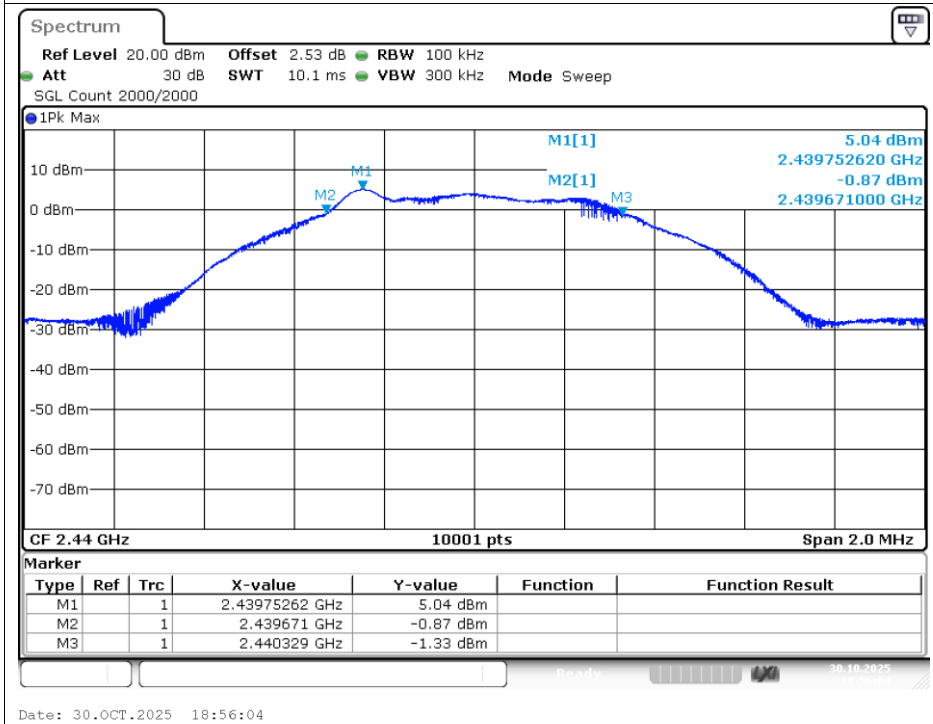
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	BLE 1M	2402	Ant1	0.66	0.5	Pass
NVNT	BLE 1M	2440	Ant1	0.66	0.5	Pass
NVNT	BLE 1M	2480	Ant1	0.66	0.5	Pass
NVNT	BLE 2M	2402	Ant1	1.13	0.5	Pass
NVNT	BLE 2M	2440	Ant1	1.13	0.5	Pass
NVNT	BLE 2M	2480	Ant1	1.13	0.5	Pass

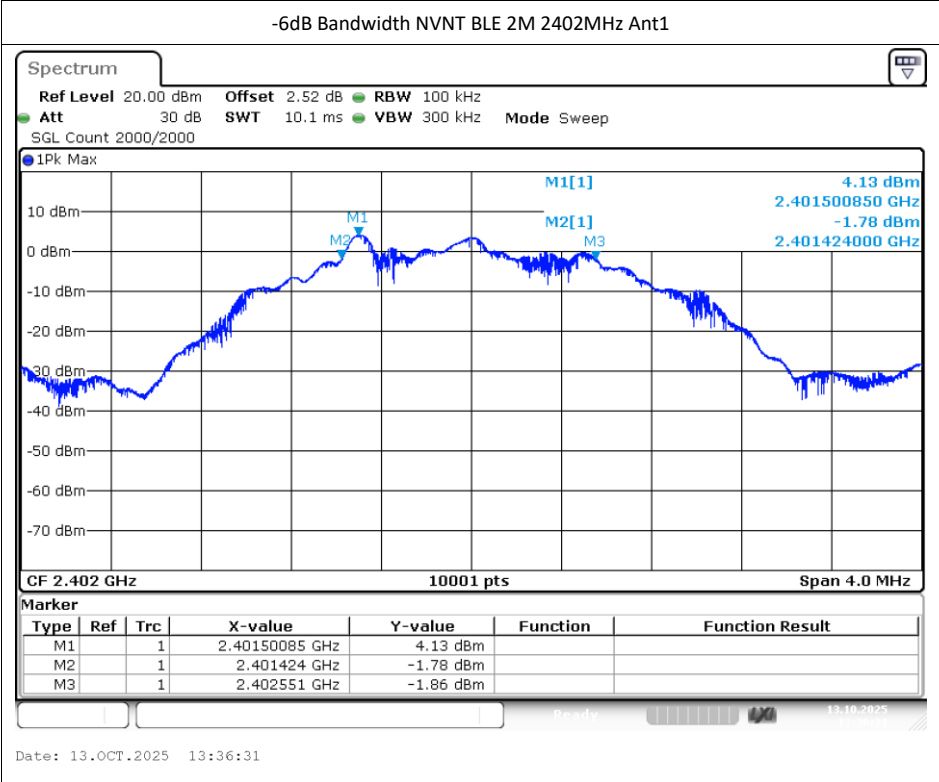
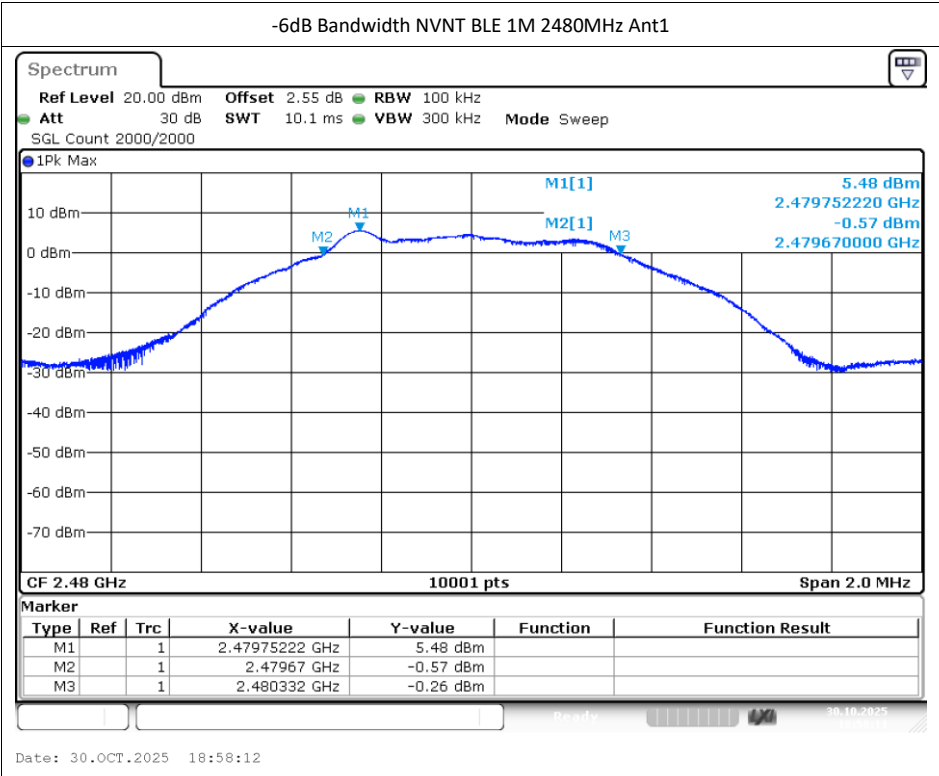
Test Graphs

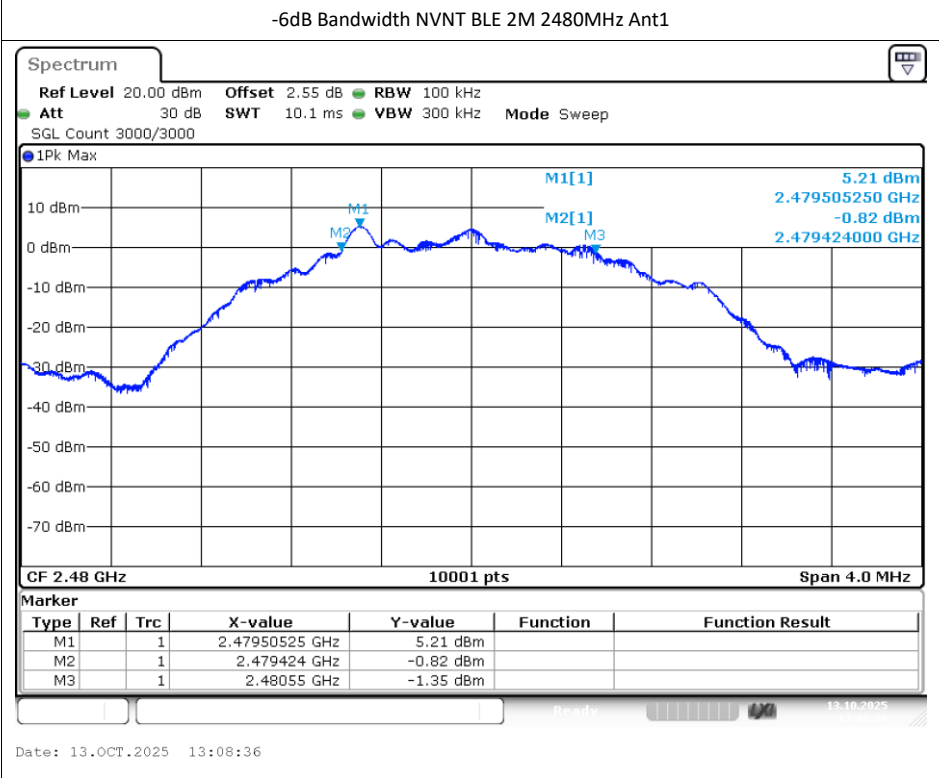
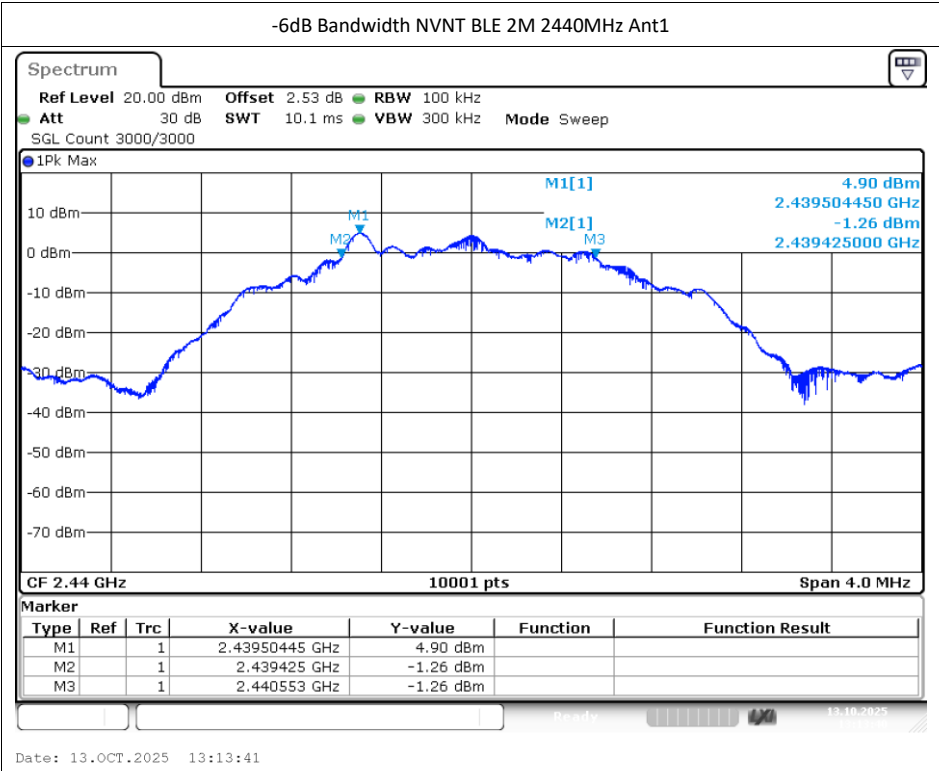
-6dB Bandwidth NVNT BLE 1M 2402MHz Ant1



-6dB Bandwidth NVNT BLE 1M 2440MHz Ant1

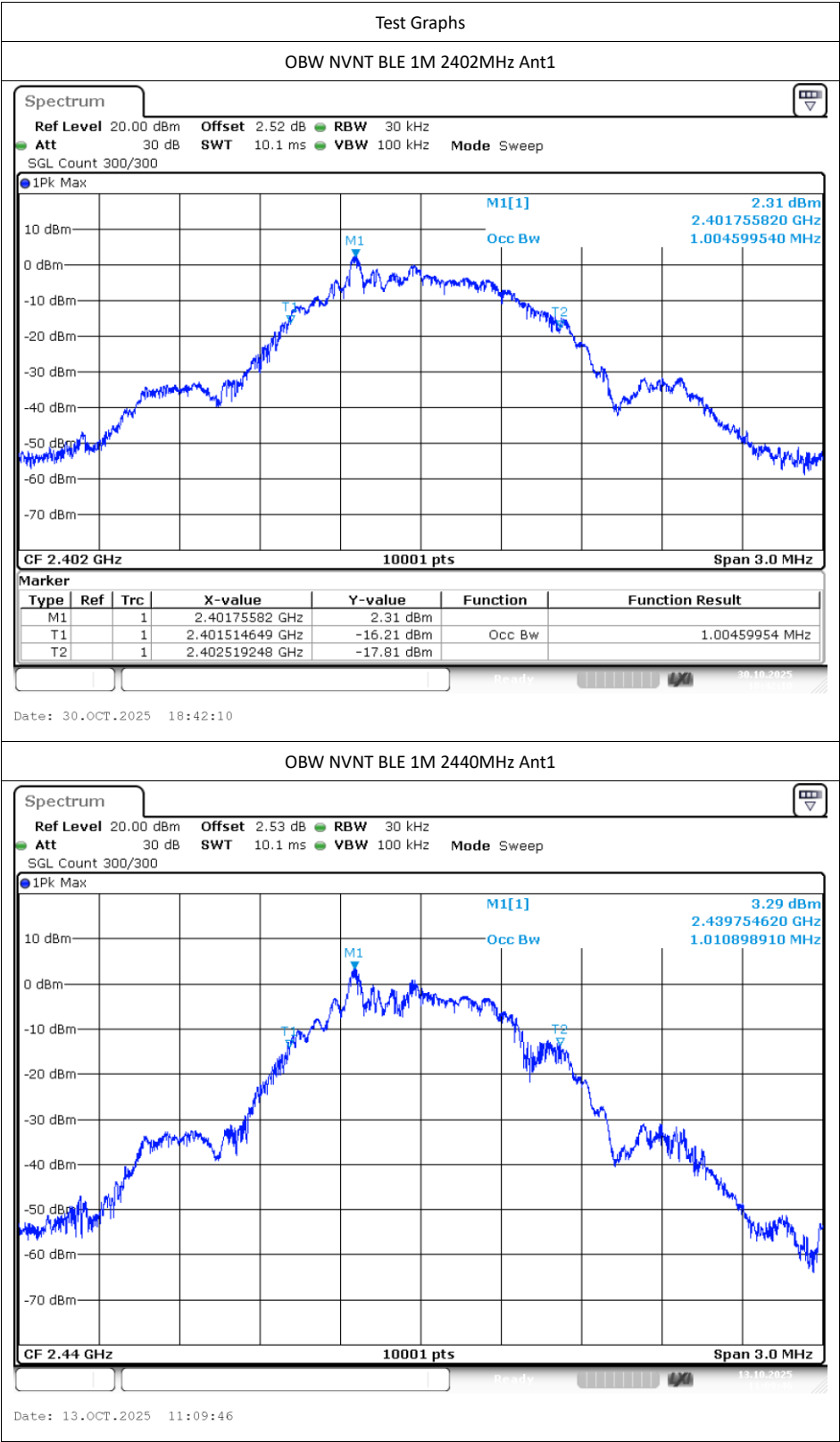


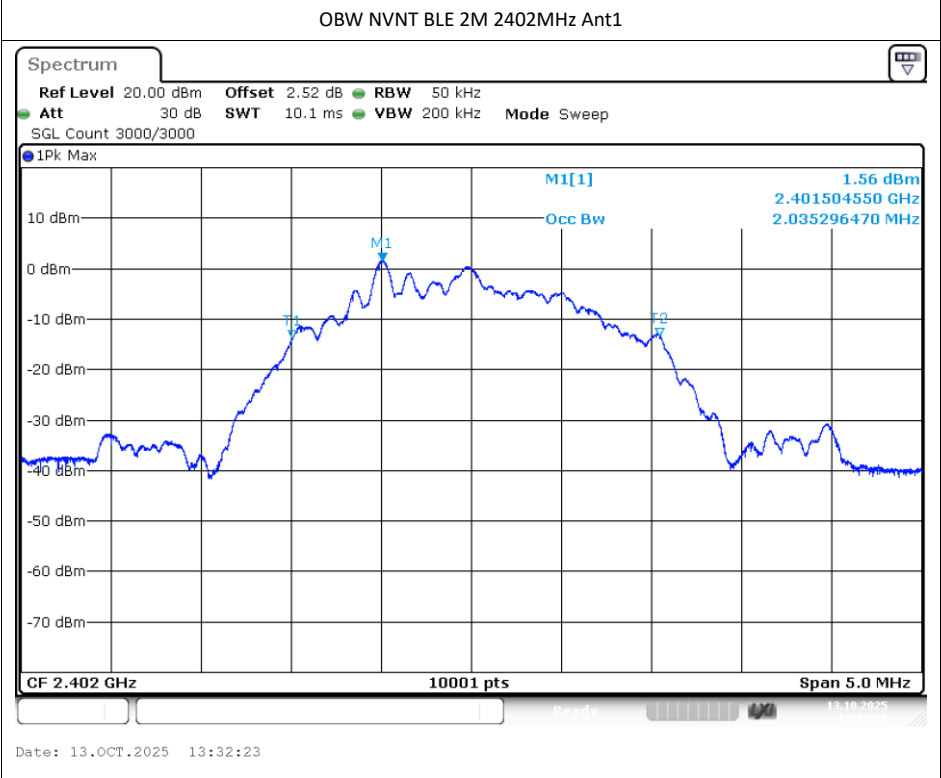
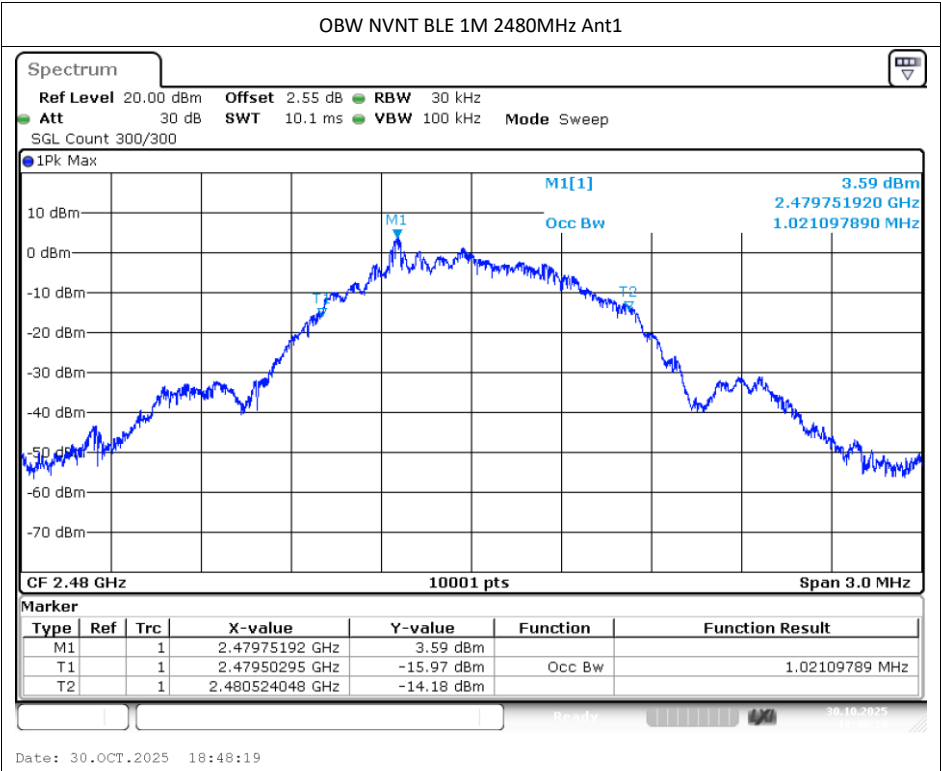


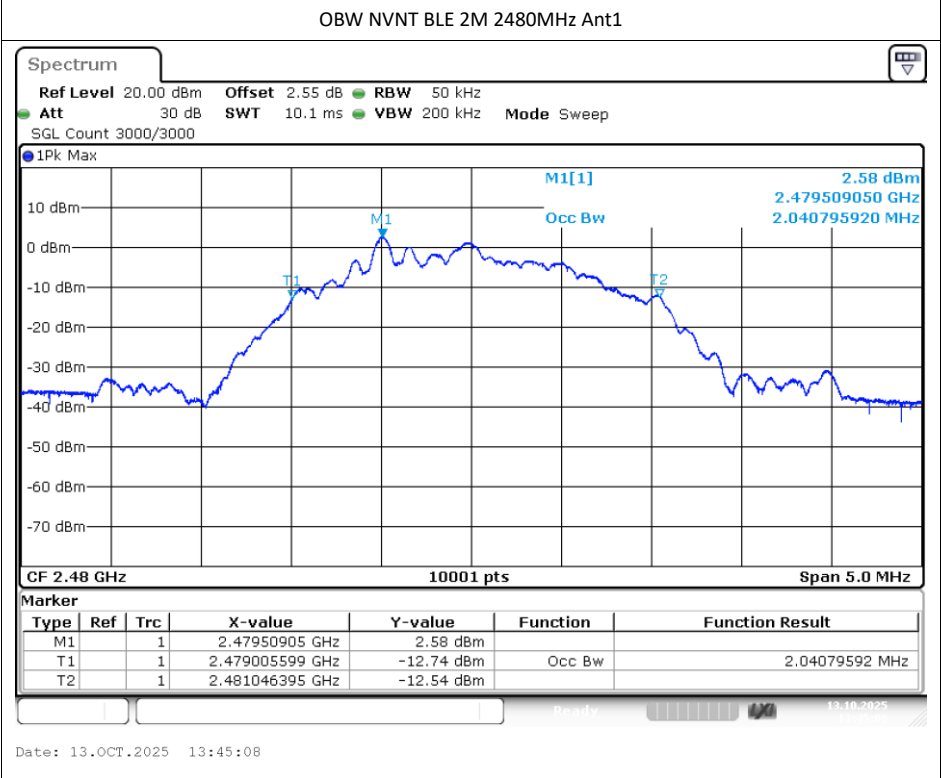
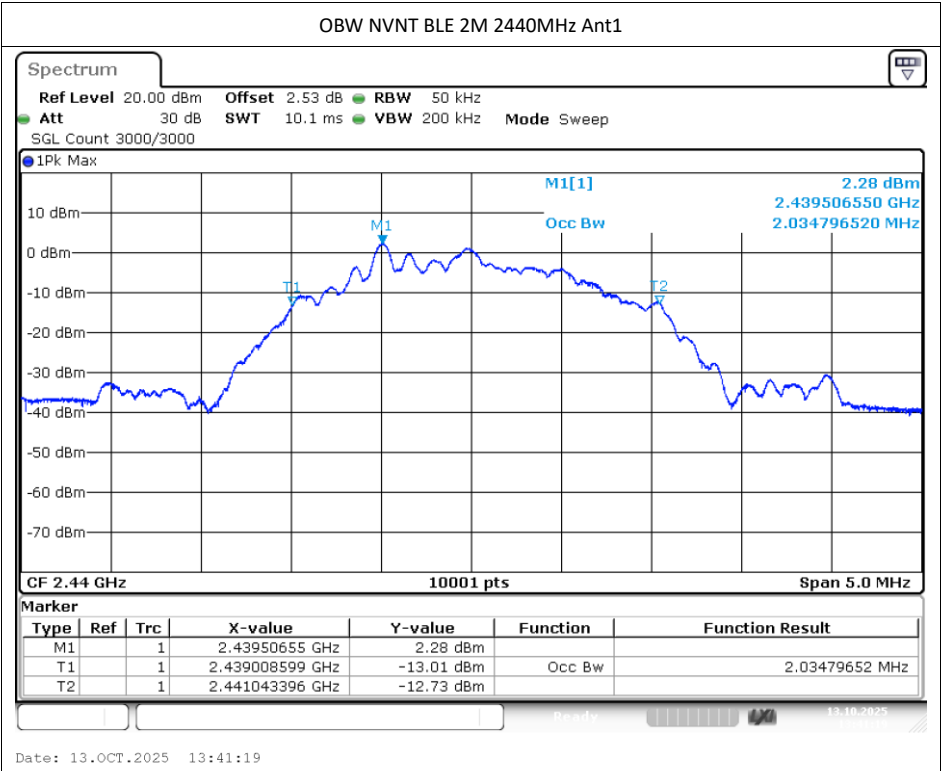


Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	BLE 1M	2402	Ant1	1.005
NVNT	BLE 1M	2440	Ant1	1.011
NVNT	BLE 1M	2480	Ant1	1.021
NVNT	BLE 2M	2402	Ant1	2.035
NVNT	BLE 2M	2440	Ant1	2.035
NVNT	BLE 2M	2480	Ant1	2.041

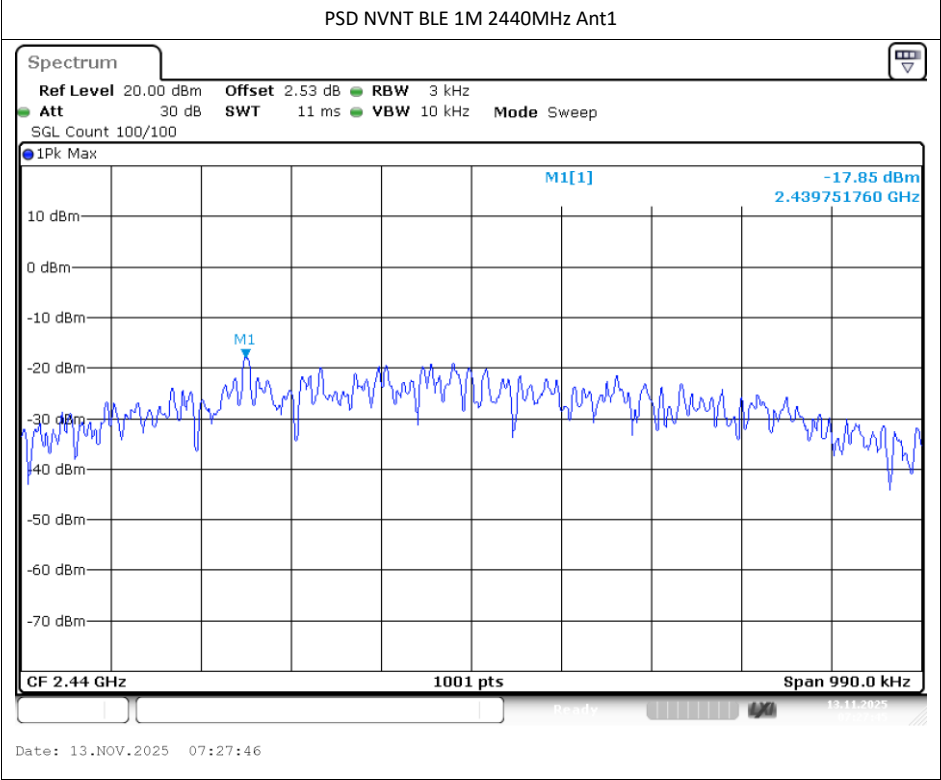
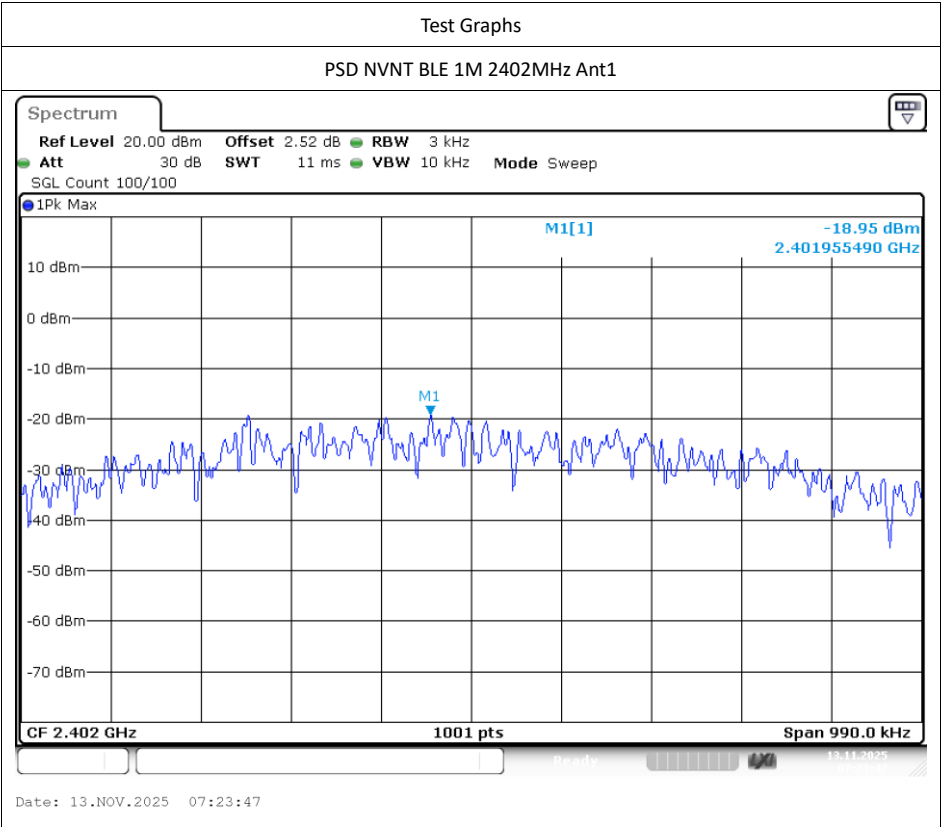


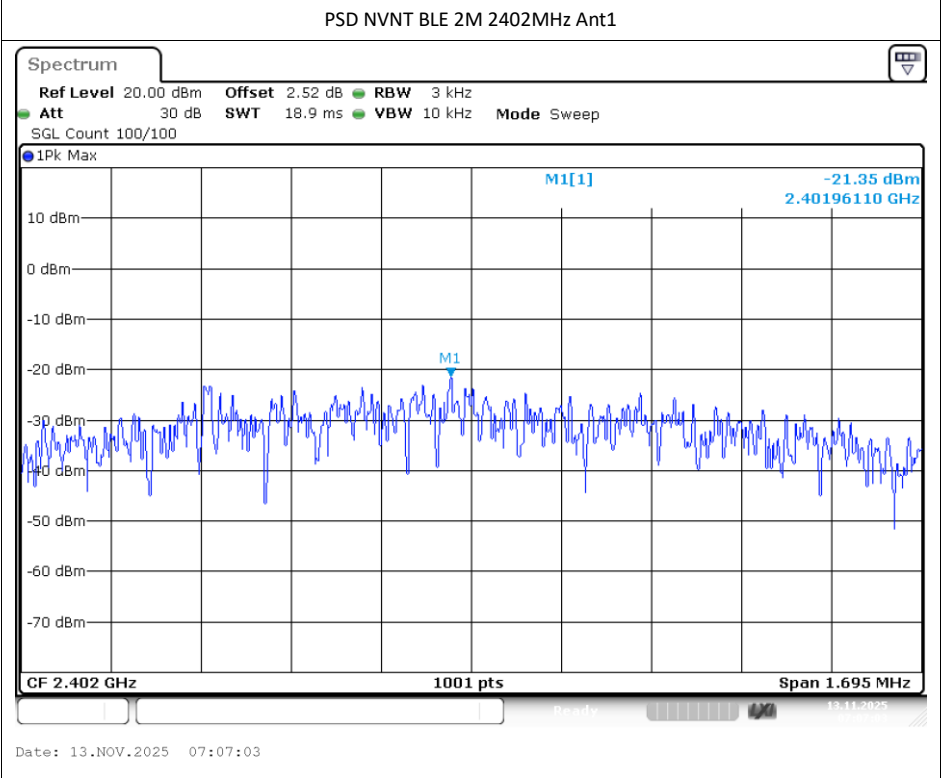
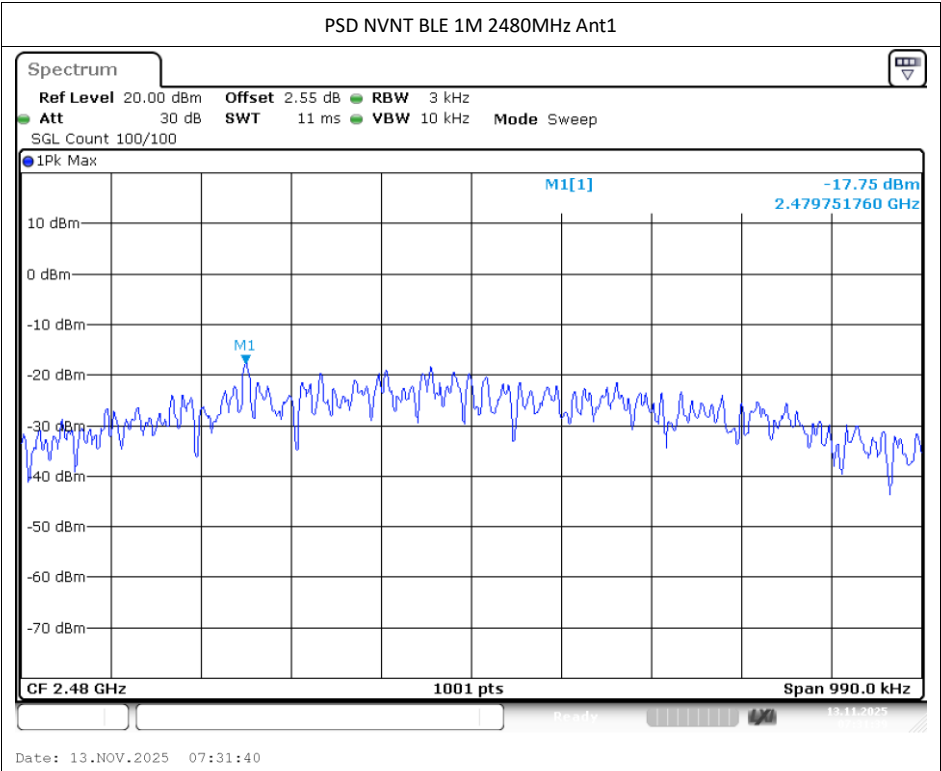


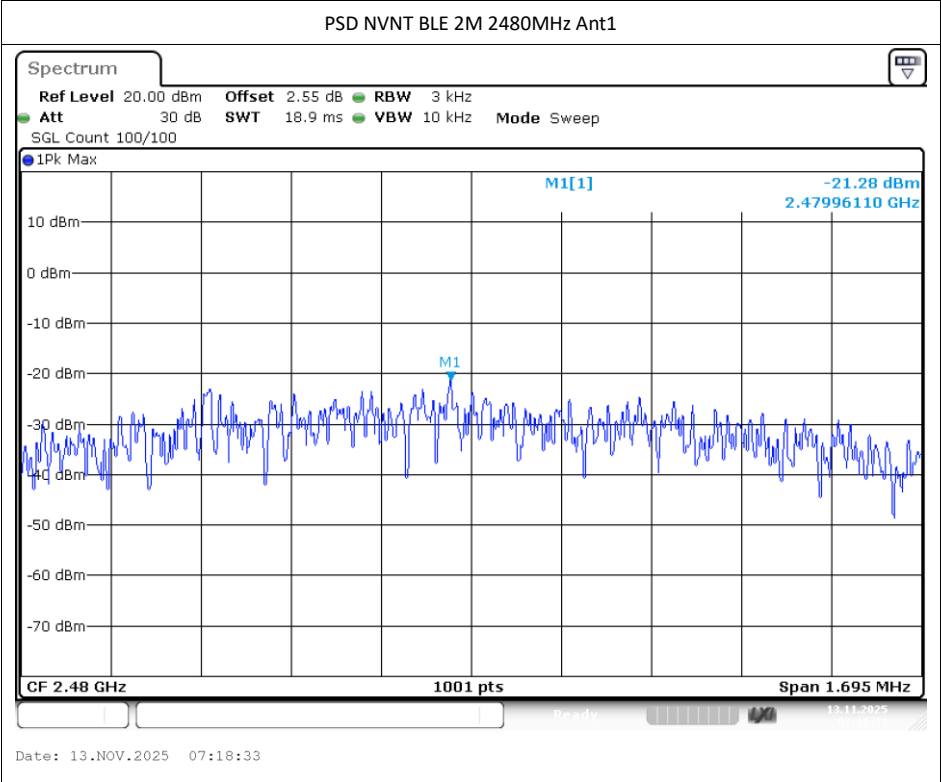
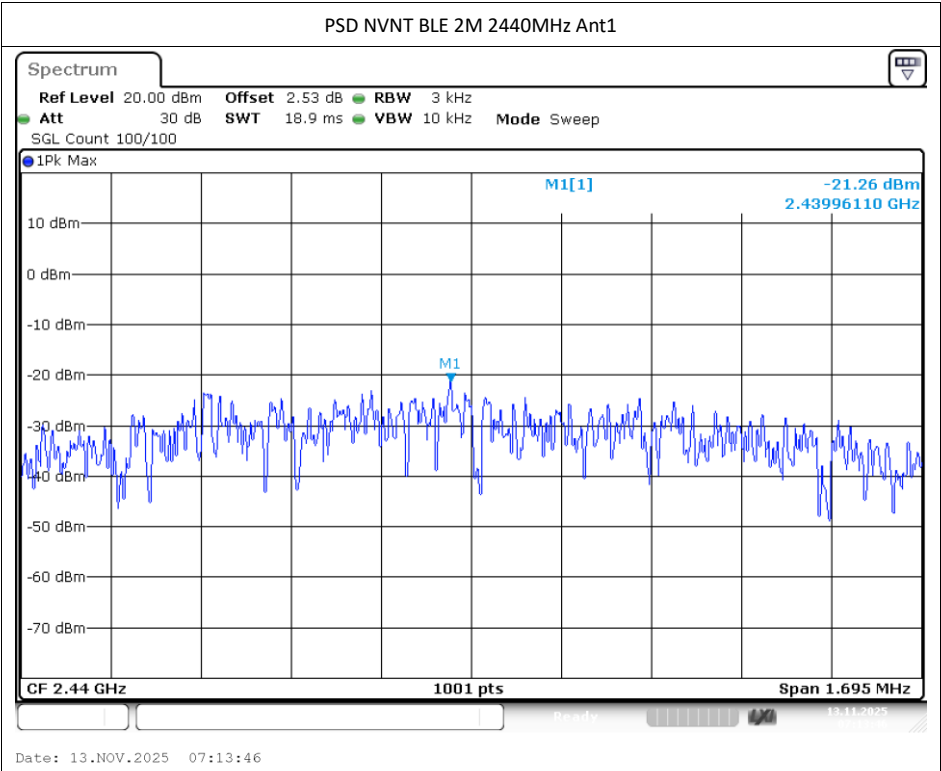


Maximum Power Spectral Density Level

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	-18.95	0	-18.95	8	Pass
NVNT	BLE 1M	2440	Ant1	-17.85	0	-17.85	8	Pass
NVNT	BLE 1M	2480	Ant1	-17.75	0	-17.75	8	Pass
NVNT	BLE 2M	2402	Ant1	-21.35	0	-21.35	8	Pass
NVNT	BLE 2M	2440	Ant1	-21.26	0	-21.26	8	Pass
NVNT	BLE 2M	2480	Ant1	-21.28	0	-21.28	8	Pass

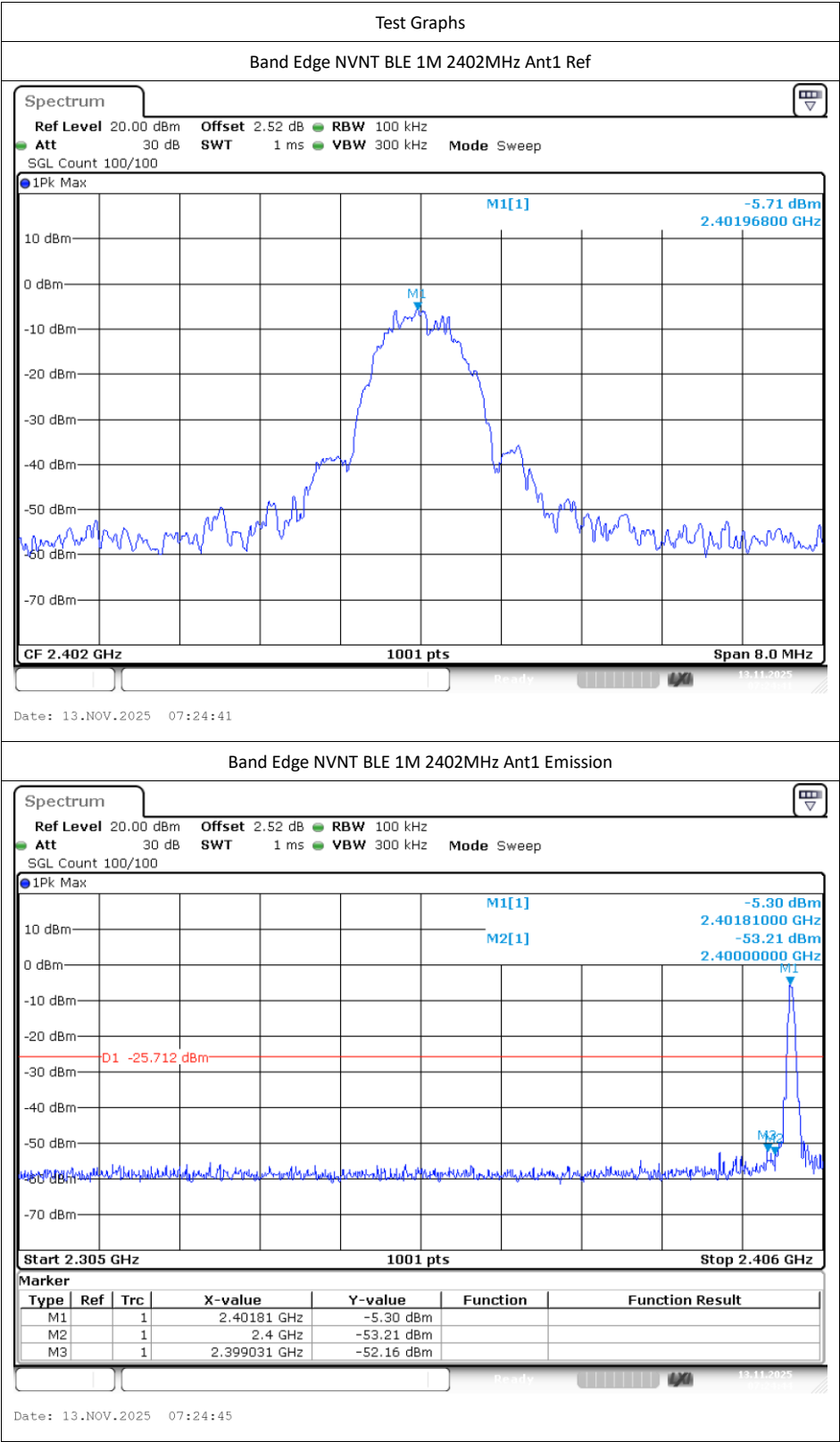




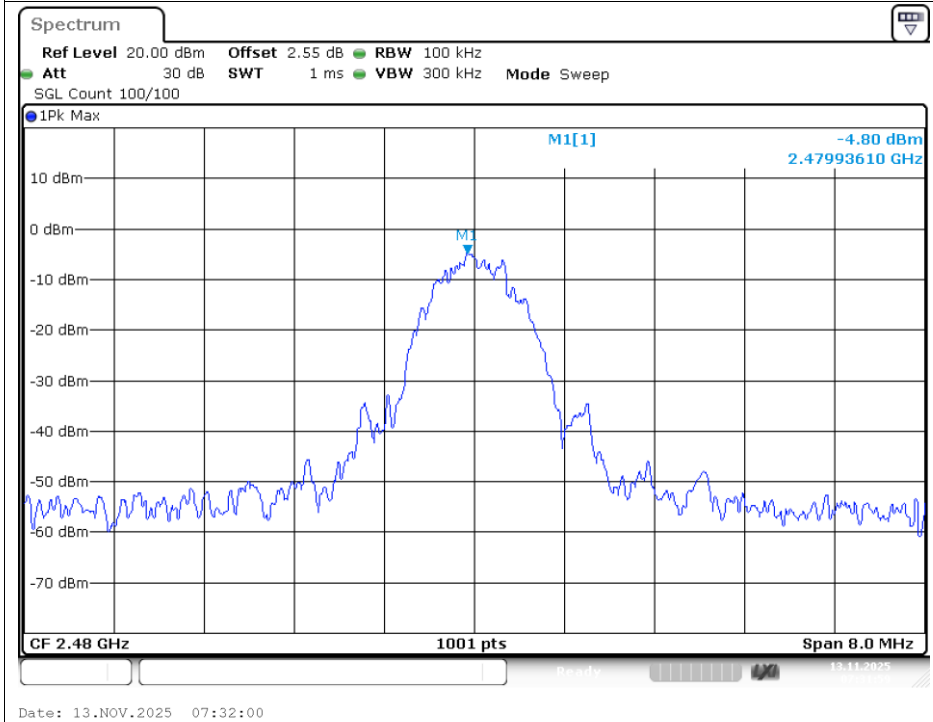


Band Edge

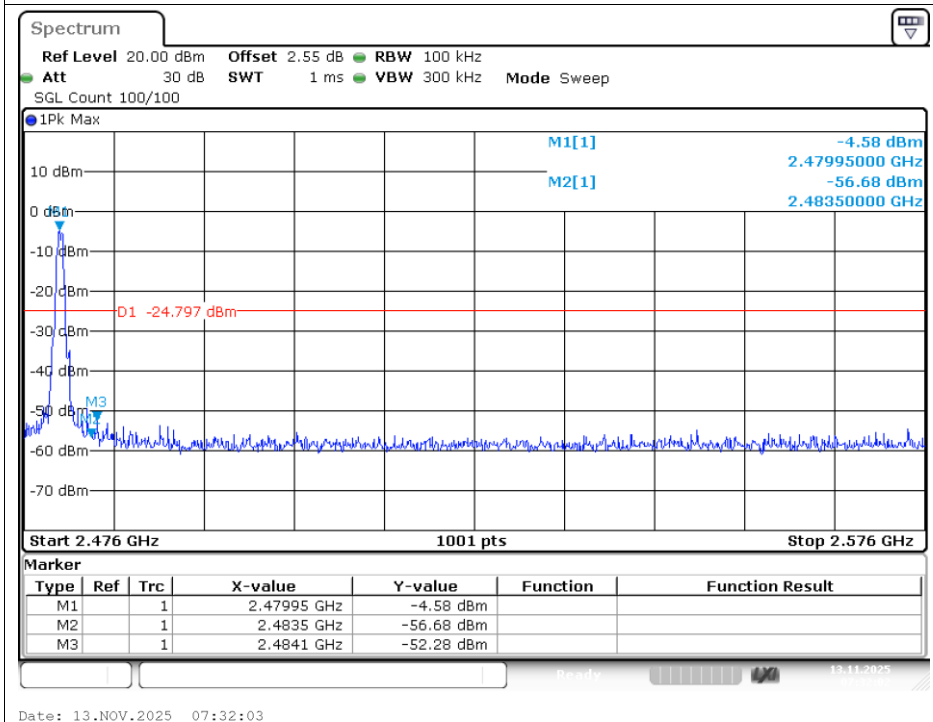
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE 1M	2402	Ant1	-46.45	-20	Pass
NVNT	BLE 1M	2480	Ant1	-47.48	-20	Pass
NVNT	BLE 2M	2402	Ant1	-39.53	-20	Pass
NVNT	BLE 2M	2480	Ant1	-45.94	-20	Pass

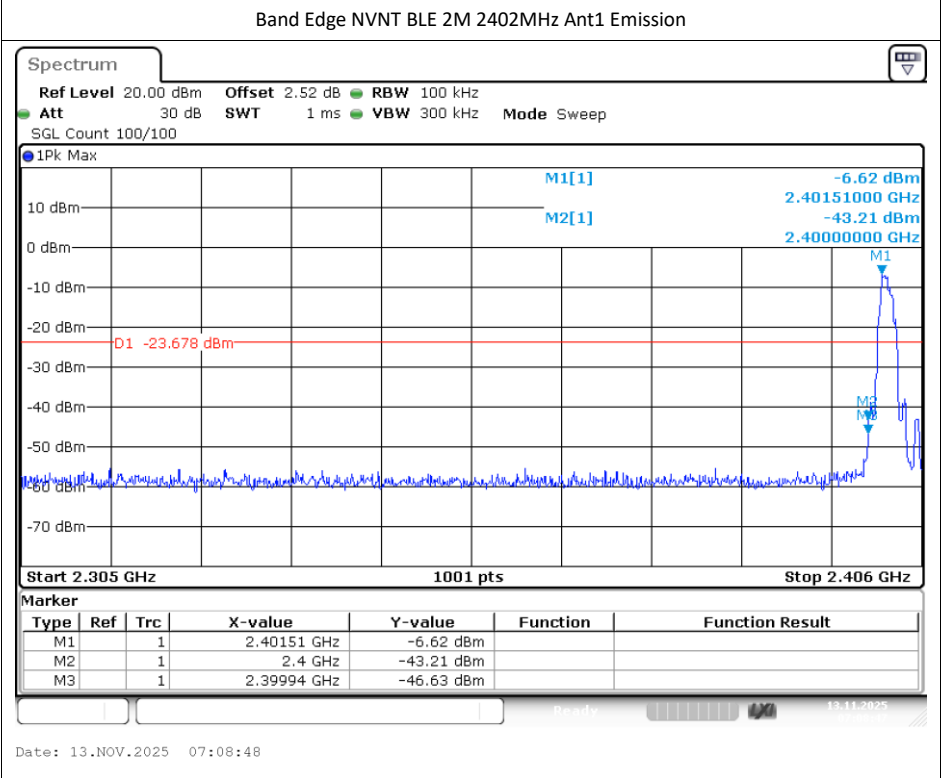
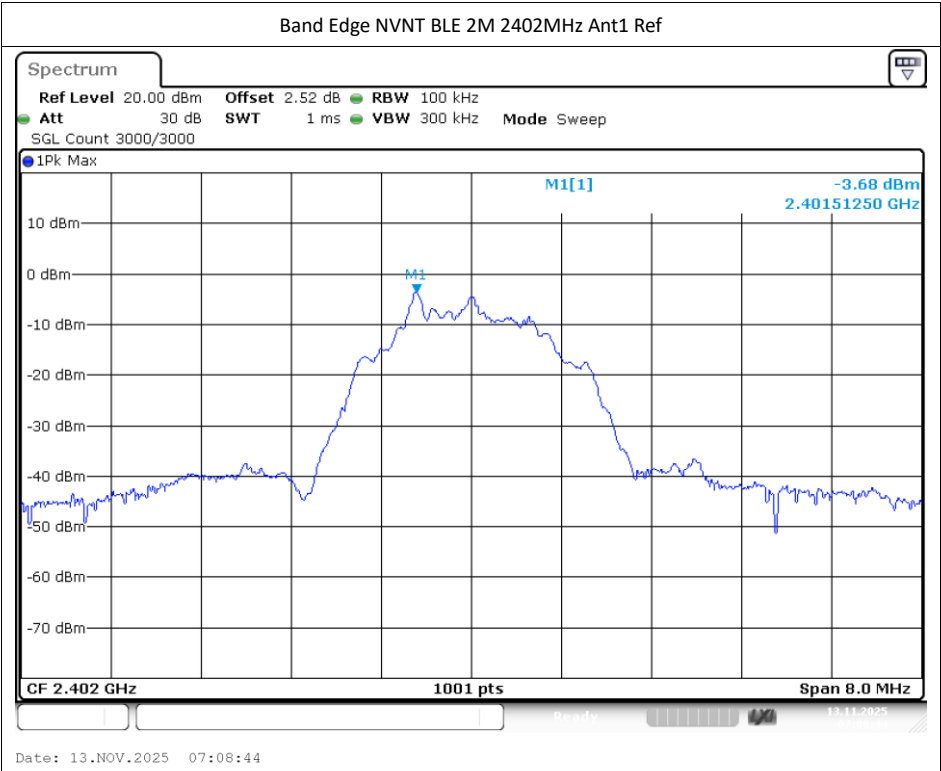


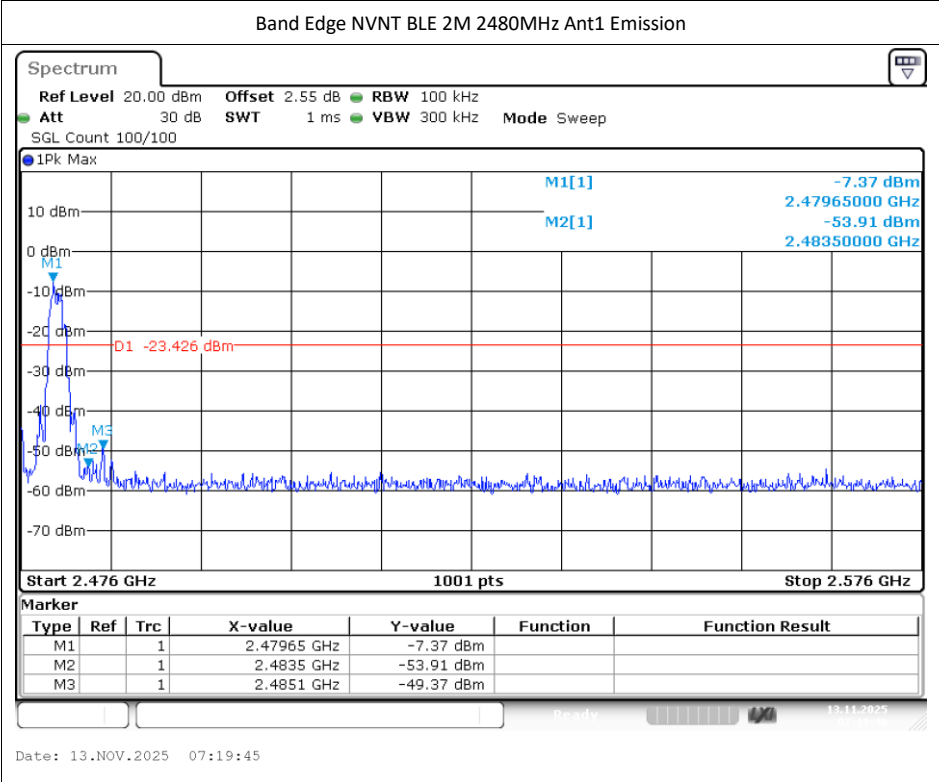
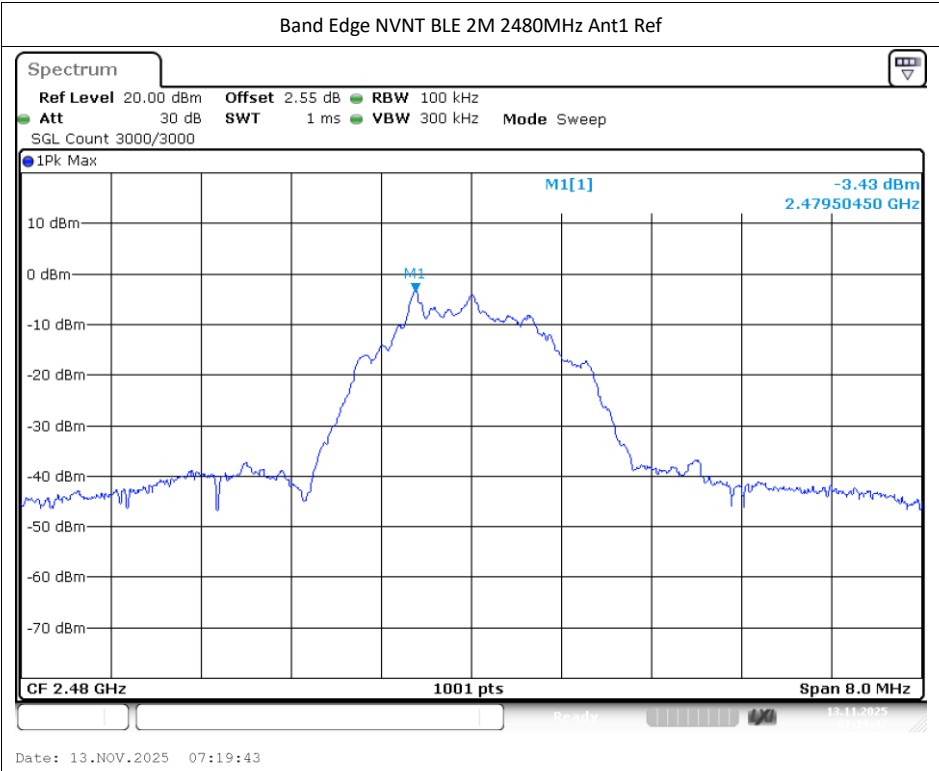
Band Edge NVNT BLE 1M 2480MHz Ant1 Ref



Band Edge NVNT BLE 1M 2480MHz Ant1 Emission

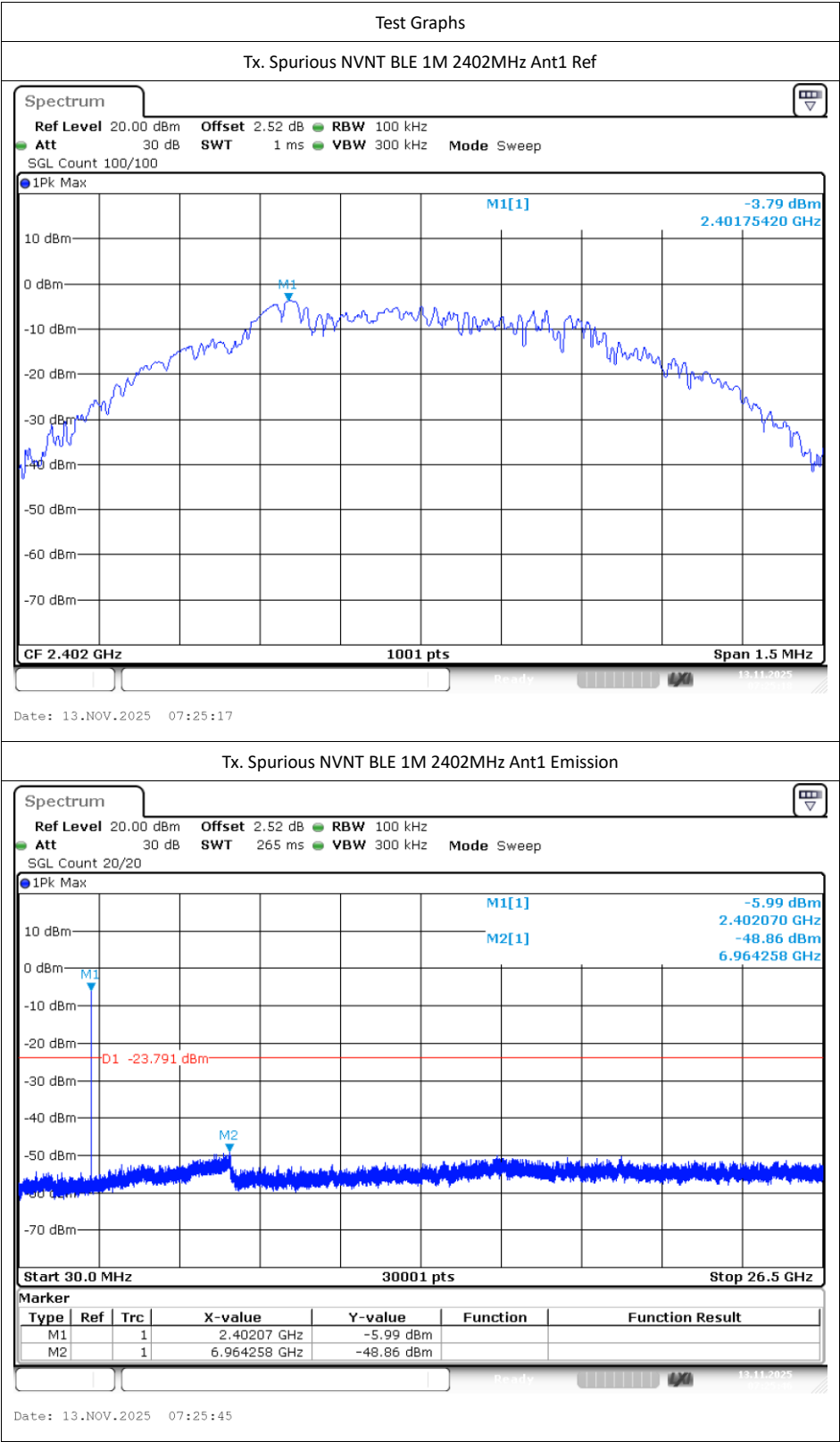


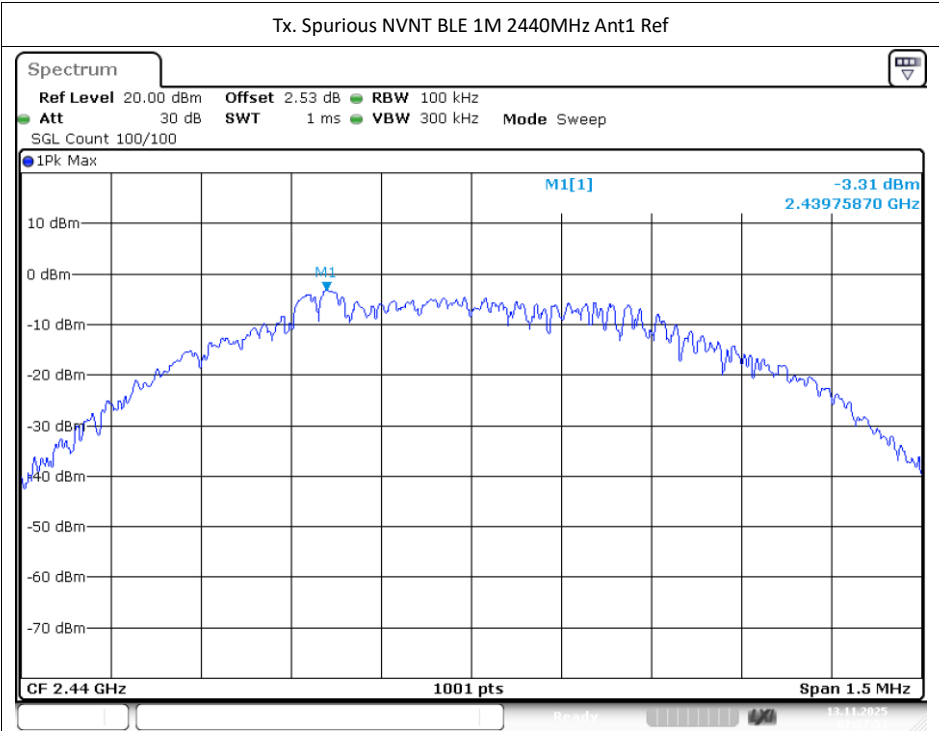




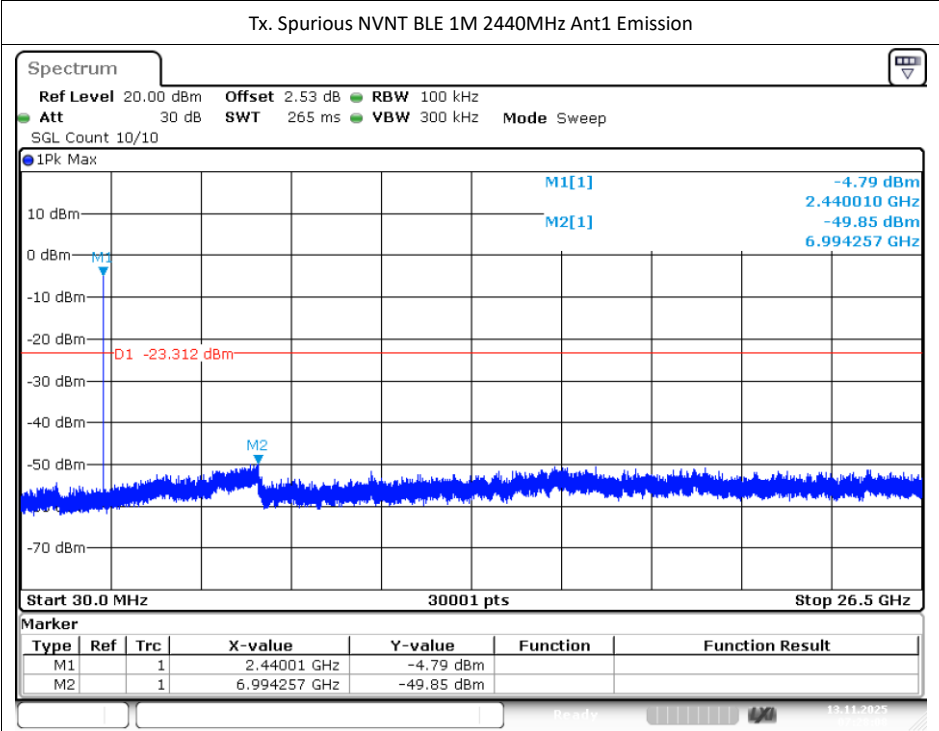
Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE 1M	2402	Ant1	-45.07	-20	Pass
NVNT	BLE 1M	2440	Ant1	-46.54	-20	Pass
NVNT	BLE 1M	2480	Ant1	-45.6	-20	Pass
NVNT	BLE 2M	2402	Ant1	-43.09	-20	Pass
NVNT	BLE 2M	2440	Ant1	-44.97	-20	Pass
NVNT	BLE 2M	2480	Ant1	-45.58	-20	Pass





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