

Appendix: Bluetooth LE

Contents

Contents2

Duty Cycle3

Maximum Peak Conducted Output Power7

-6dB Bandwidth11

Occupied Channel Bandwidth15

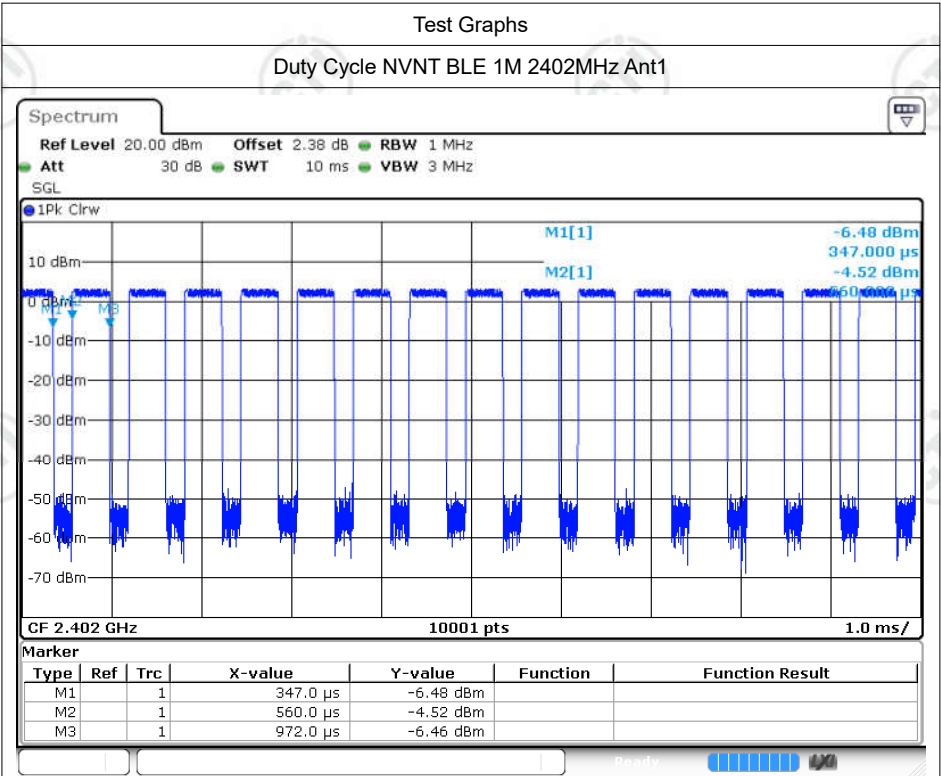
Maximum Power Spectral Density Level19

Band Edge23

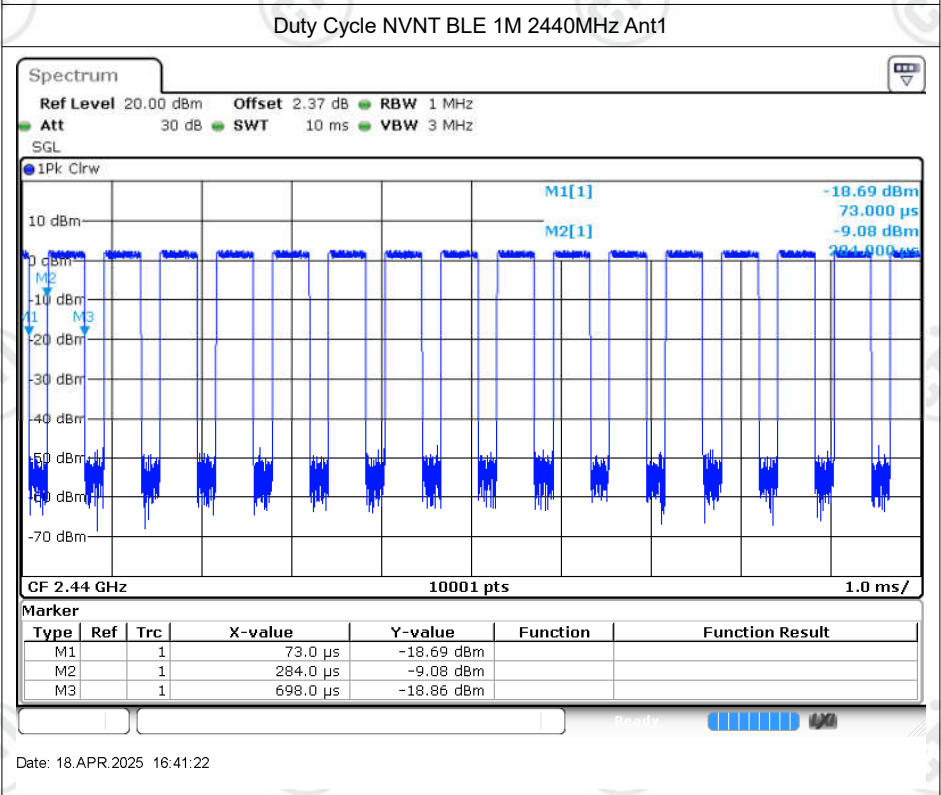
Conducted RF Spurious Emission28

Duty Cycle

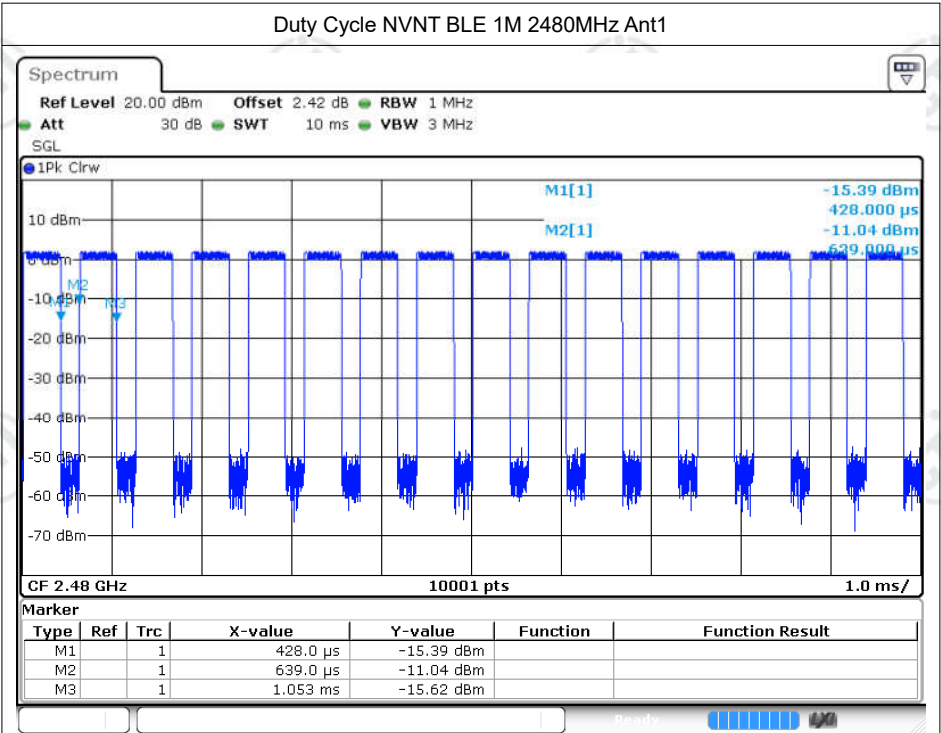
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	BLE 1M	2402	Ant1	65.92	1.81	2.43
NVNT	BLE 1M	2440	Ant1	66.24	1.79	2.42
NVNT	BLE 1M	2480	Ant1	66.24	1.79	2.42
NVNT	BLE 2M	2402	Ant1	58.93	2.3	0.9
NVNT	BLE 2M	2440	Ant1	58.88	2.3	0.91
NVNT	BLE 2M	2480	Ant1	58.88	2.3	0.91



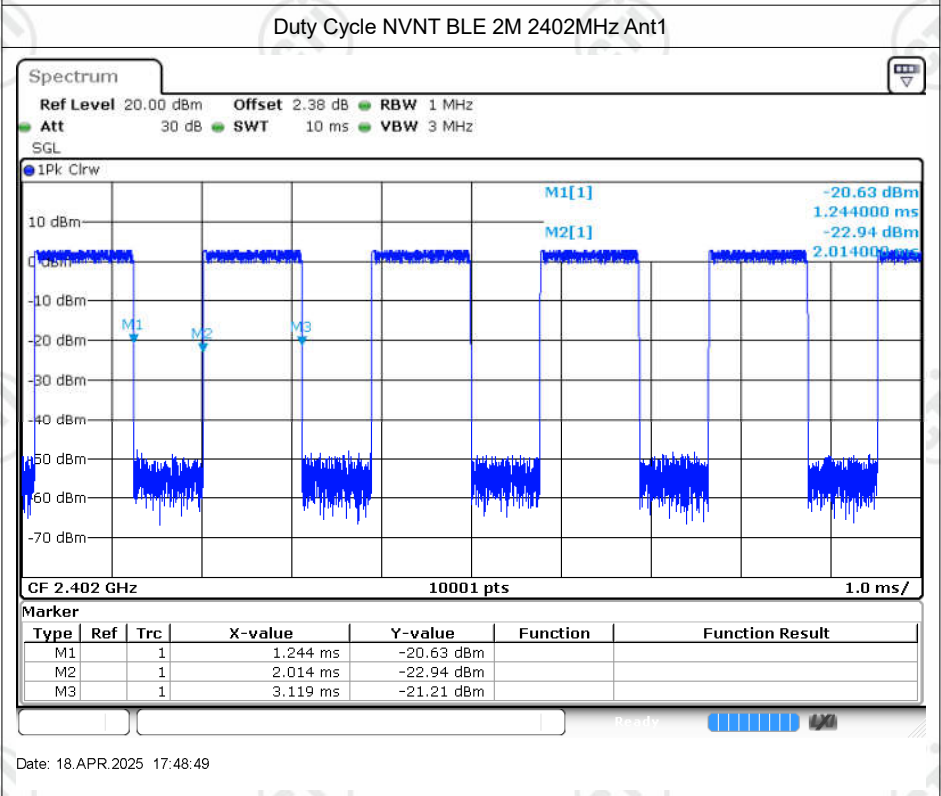
Date: 18.APR.2025 16:43:17



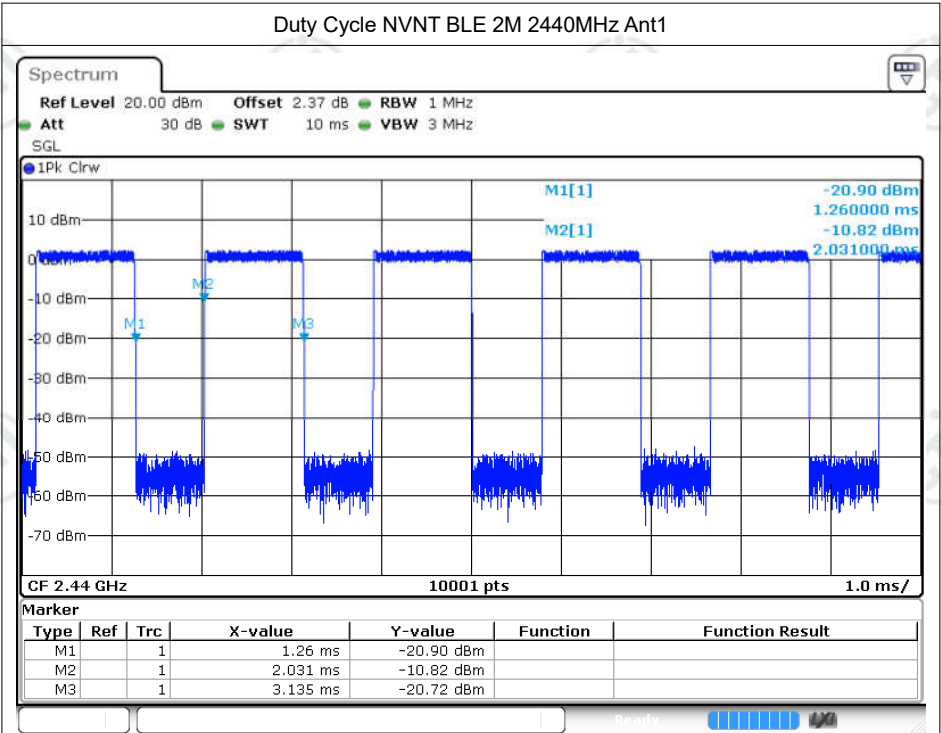
Date: 18.APR.2025 16:41:22



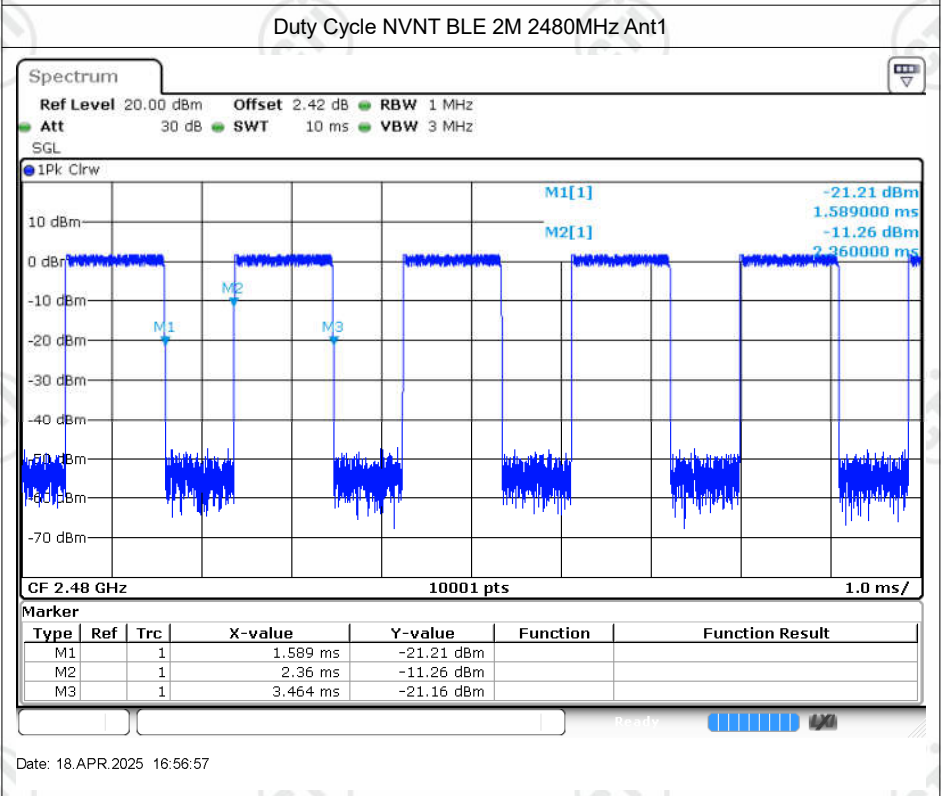
Date: 18.APR.2025 16:45:53



Date: 18.APR.2025 17:48:49



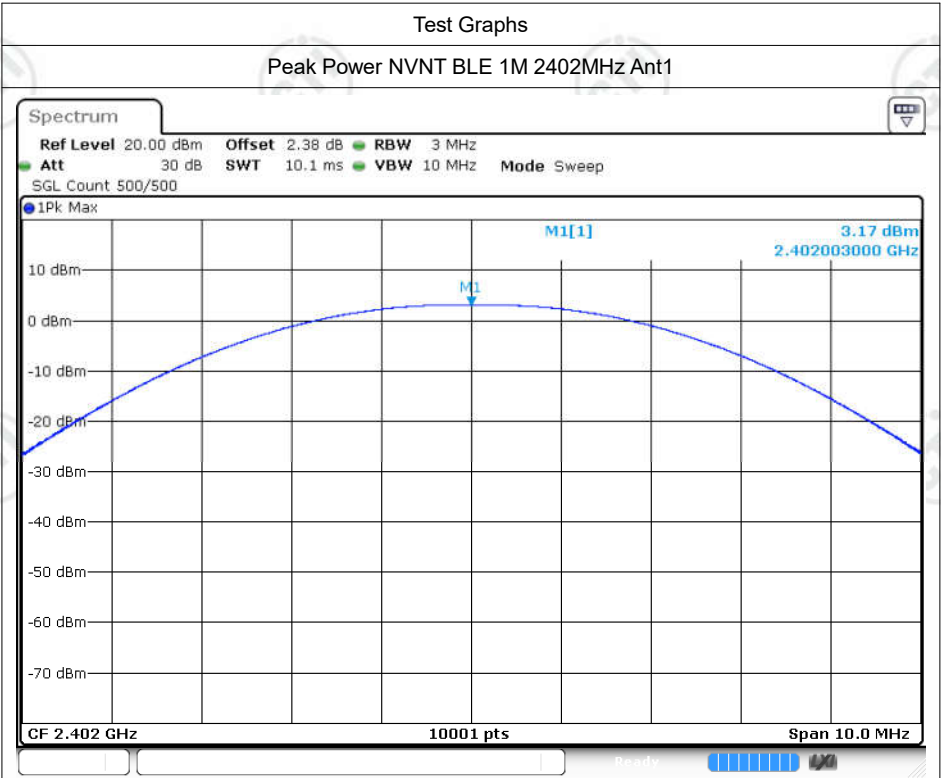
Date: 18.APR.2025 16:56:34



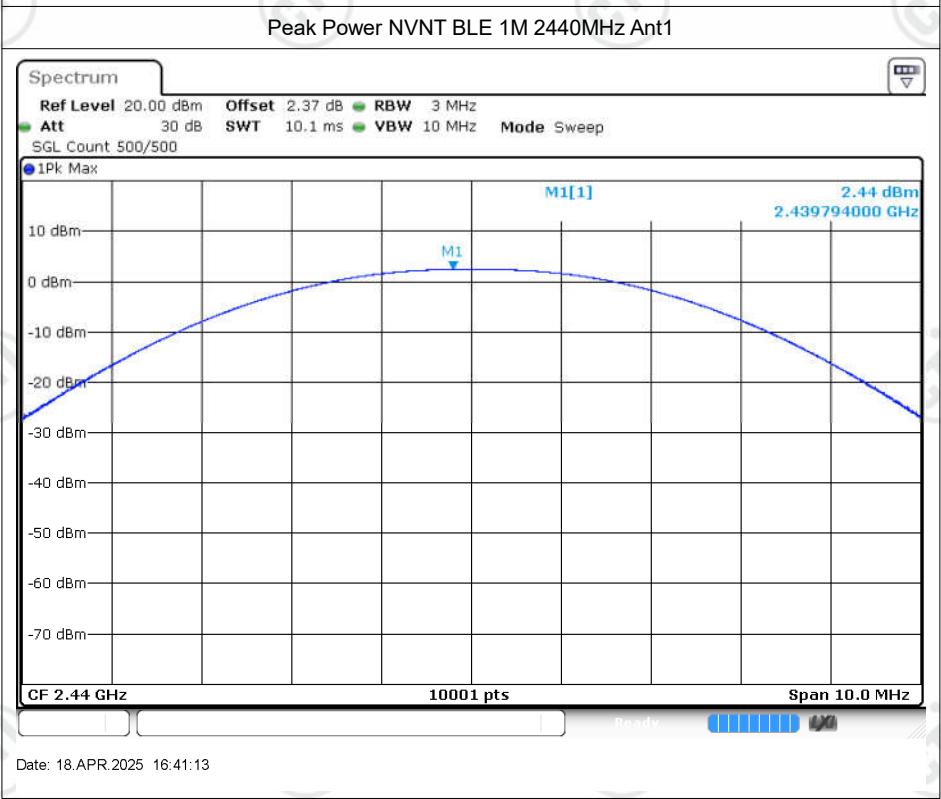
Date: 18.APR.2025 16:56:57

Maximum Peak Conducted Output Power

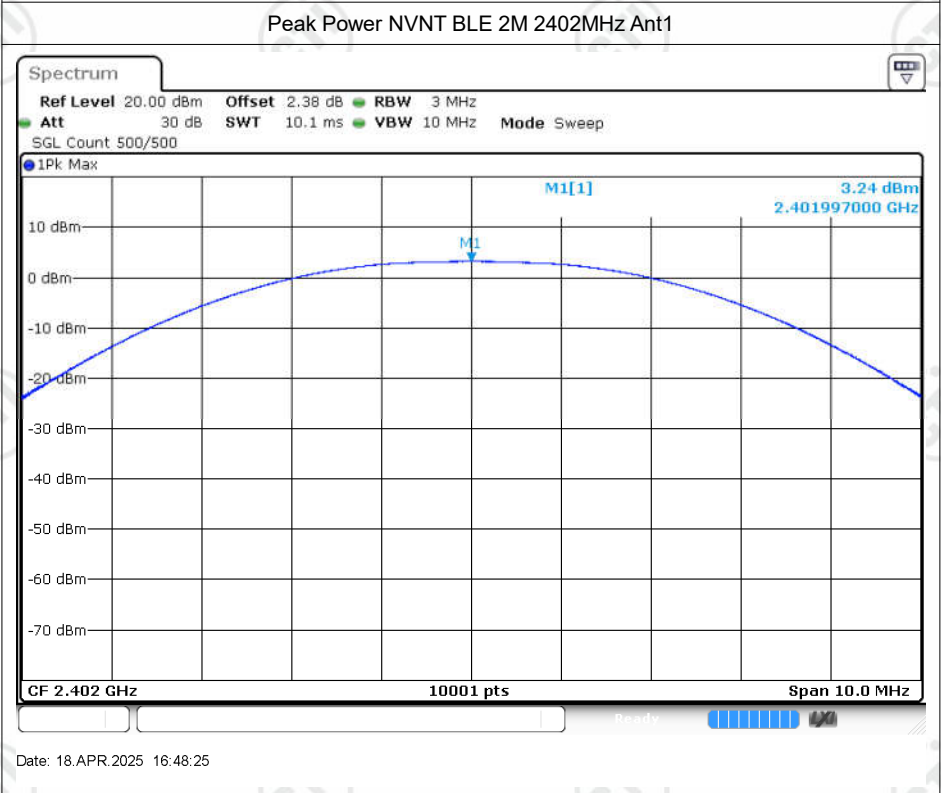
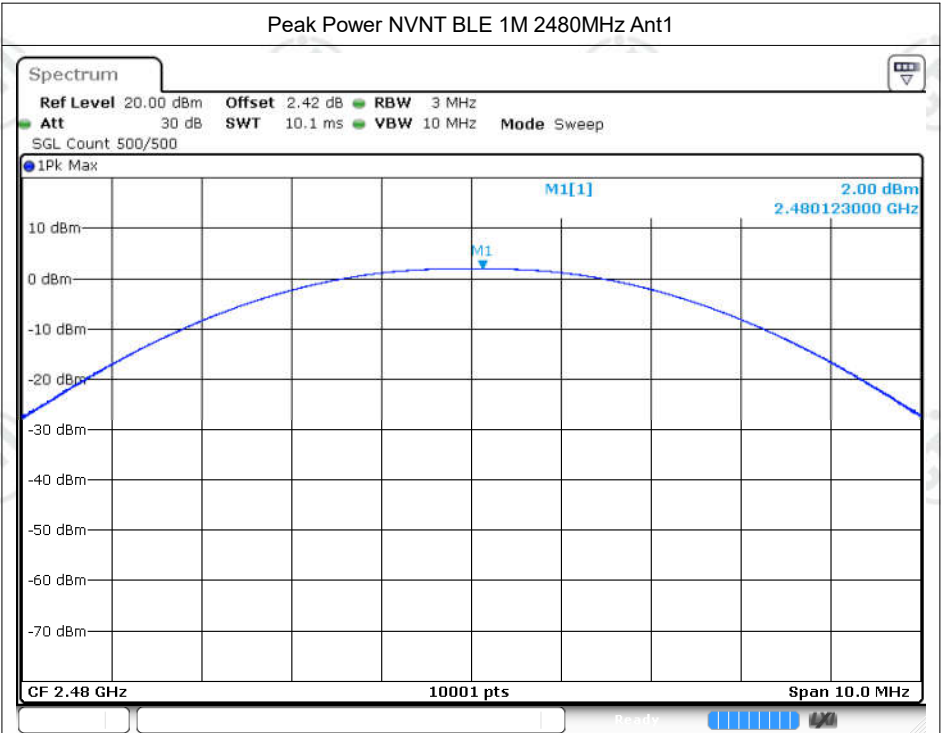
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	BLE 1M	2402	Ant1	3.17	0	3.17	30	Pass
NVNT	BLE 1M	2440	Ant1	2.44	0	2.44	30	Pass
NVNT	BLE 1M	2480	Ant1	2	0	2	30	Pass
NVNT	BLE 2M	2402	Ant1	3.24	0	3.24	30	Pass
NVNT	BLE 2M	2440	Ant1	2.56	0	2.56	30	Pass
NVNT	BLE 2M	2480	Ant1	2.07	0	2.07	30	Pass

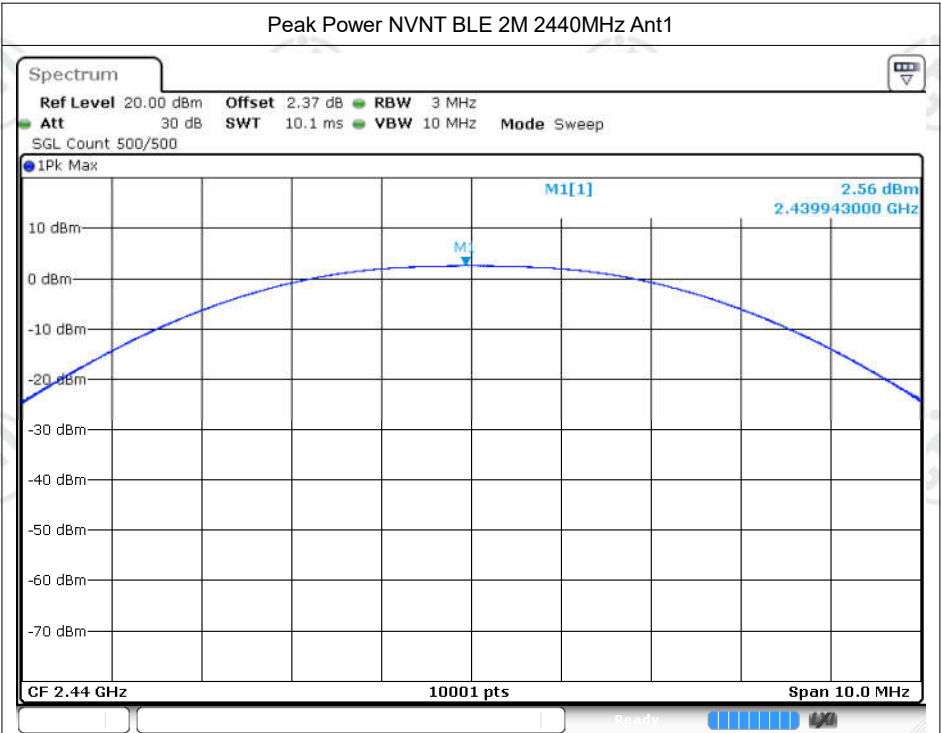


Date: 18.APR.2025 16:43:30

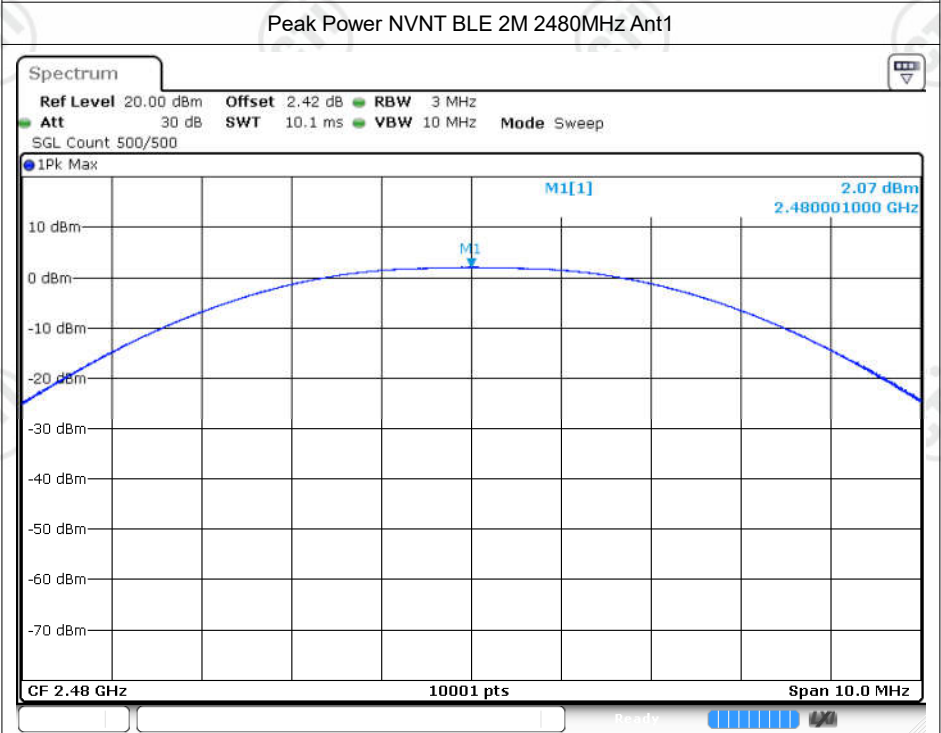


Date: 18.APR.2025 16:41:13





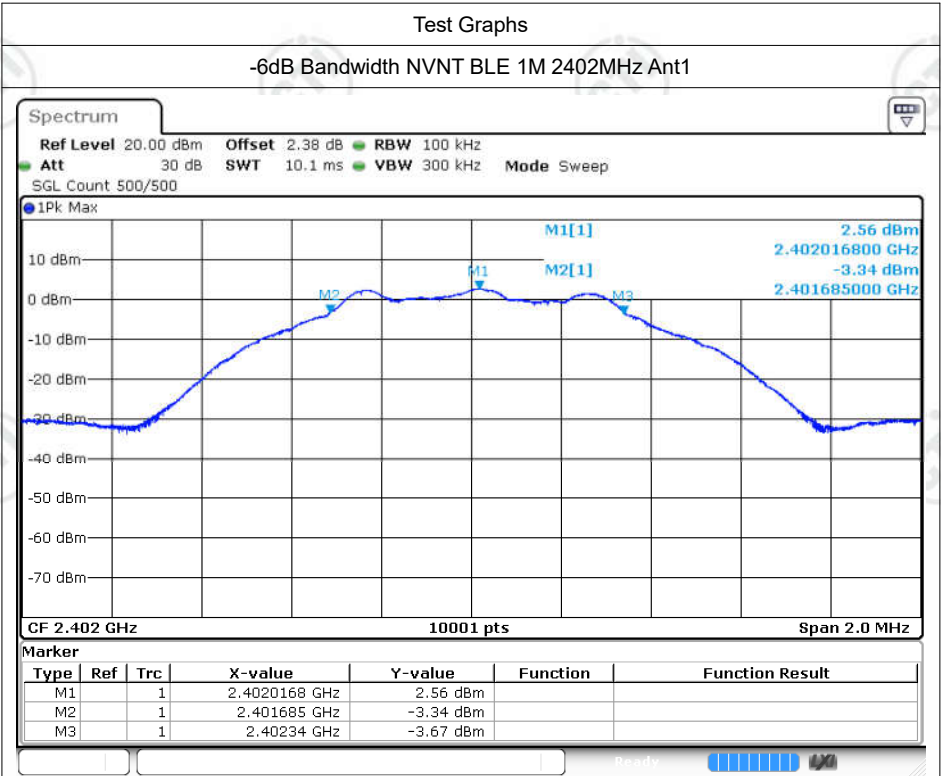
Date: 18.APR.2025 16:51:59



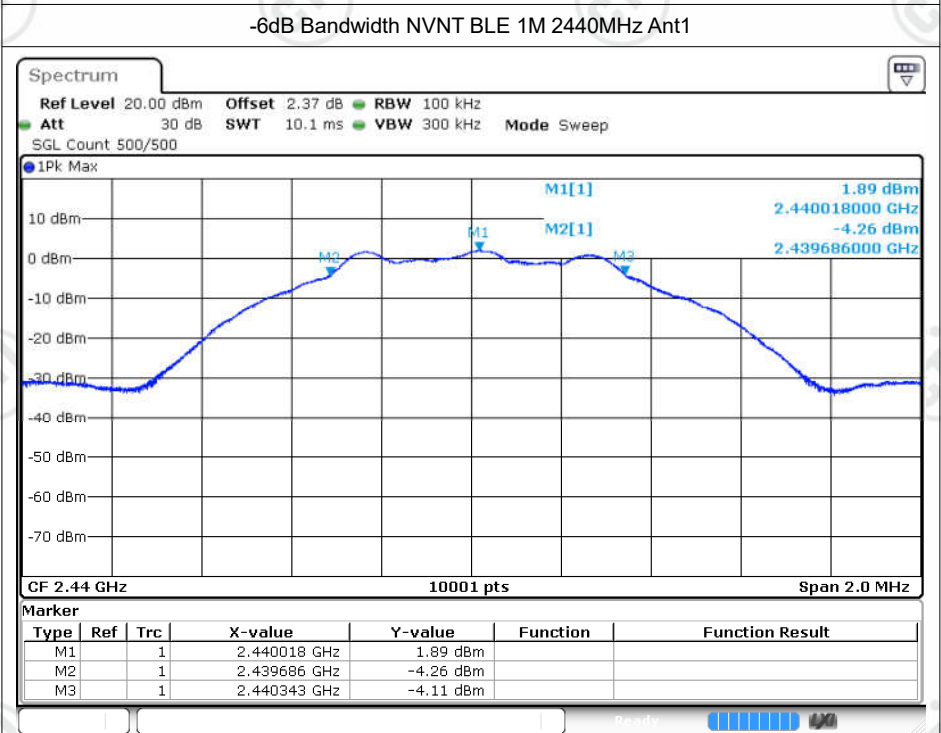
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-6dB Bandwidth

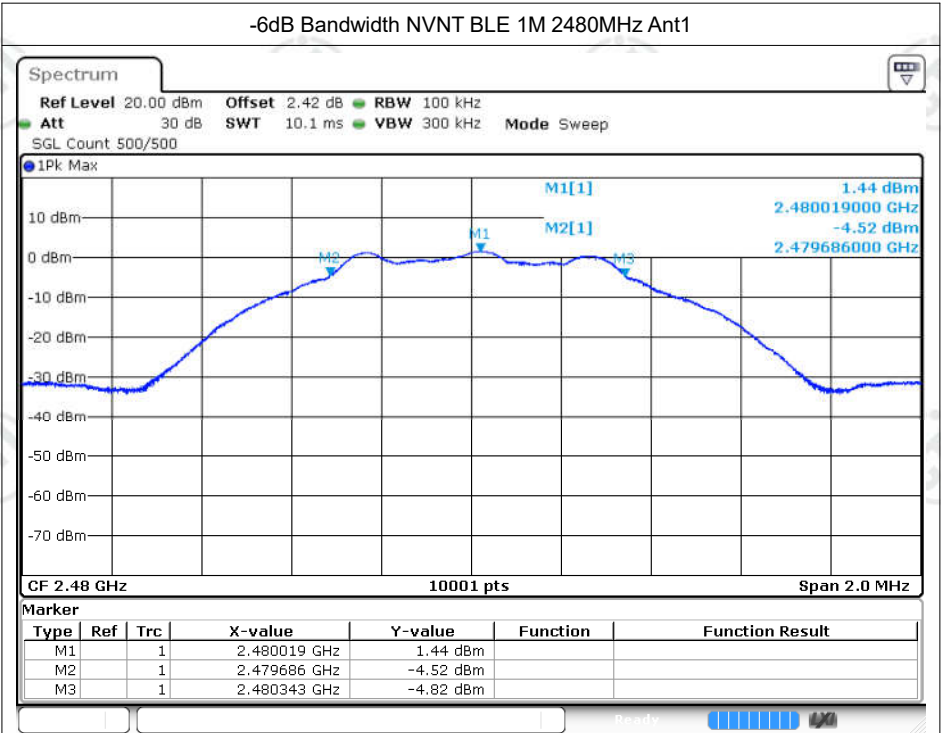
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	BLE 1M	2402	Ant1	0.655	0.5	Pass
NVNT	BLE 1M	2440	Ant1	0.657	0.5	Pass
NVNT	BLE 1M	2480	Ant1	0.657	0.5	Pass
NVNT	BLE 2M	2402	Ant1	1.13	0.5	Pass
NVNT	BLE 2M	2440	Ant1	1.132	0.5	Pass
NVNT	BLE 2M	2480	Ant1	1.125	0.5	Pass



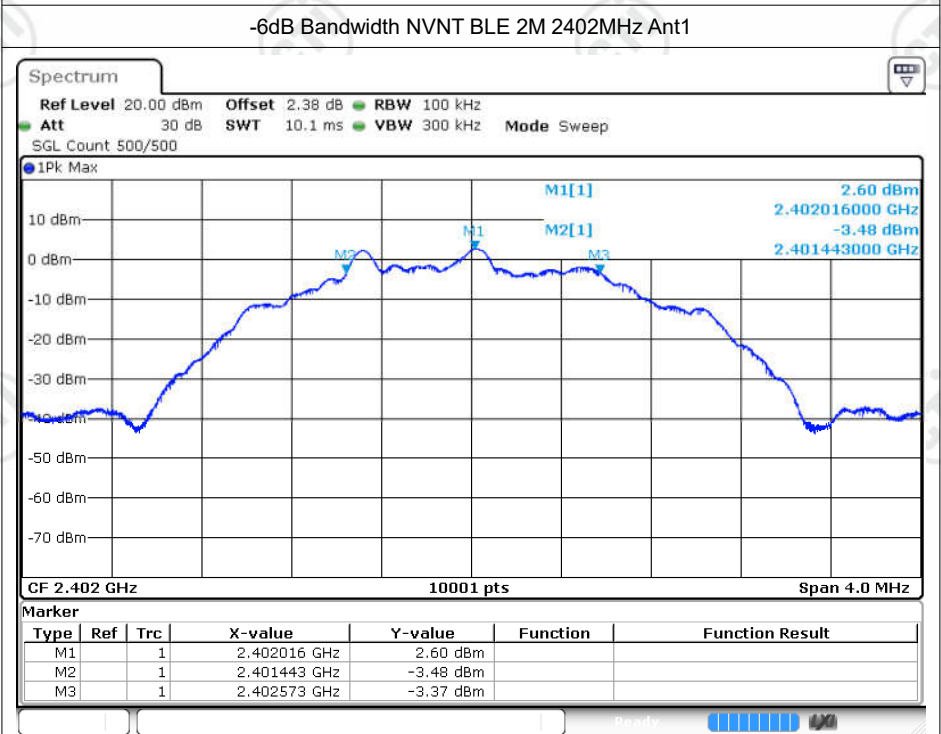
Date: 18.APR.2025 16:44:22



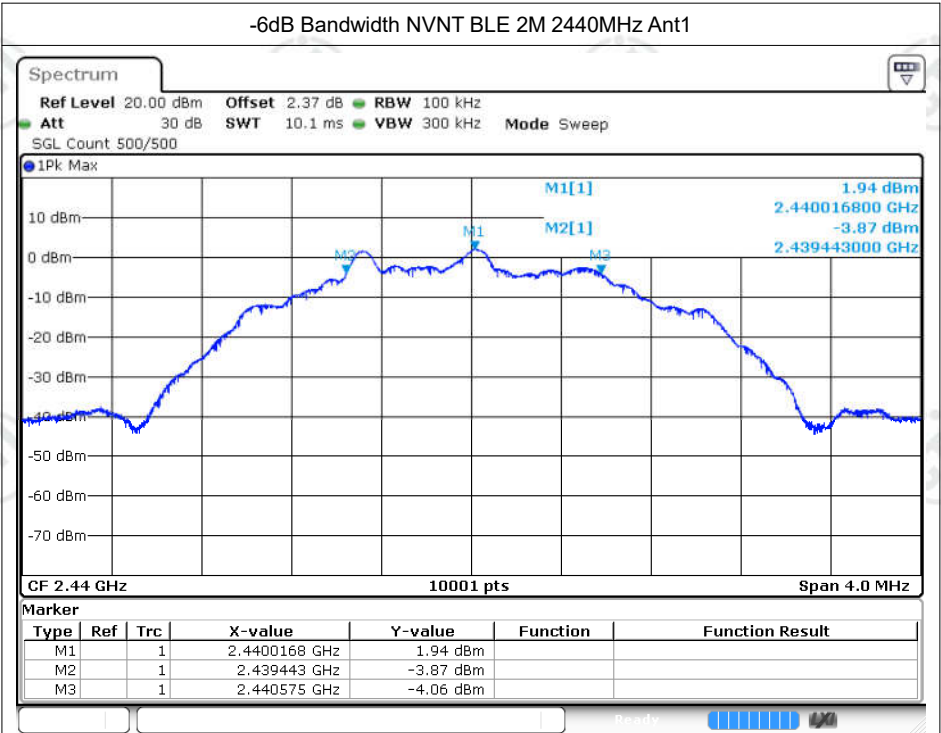
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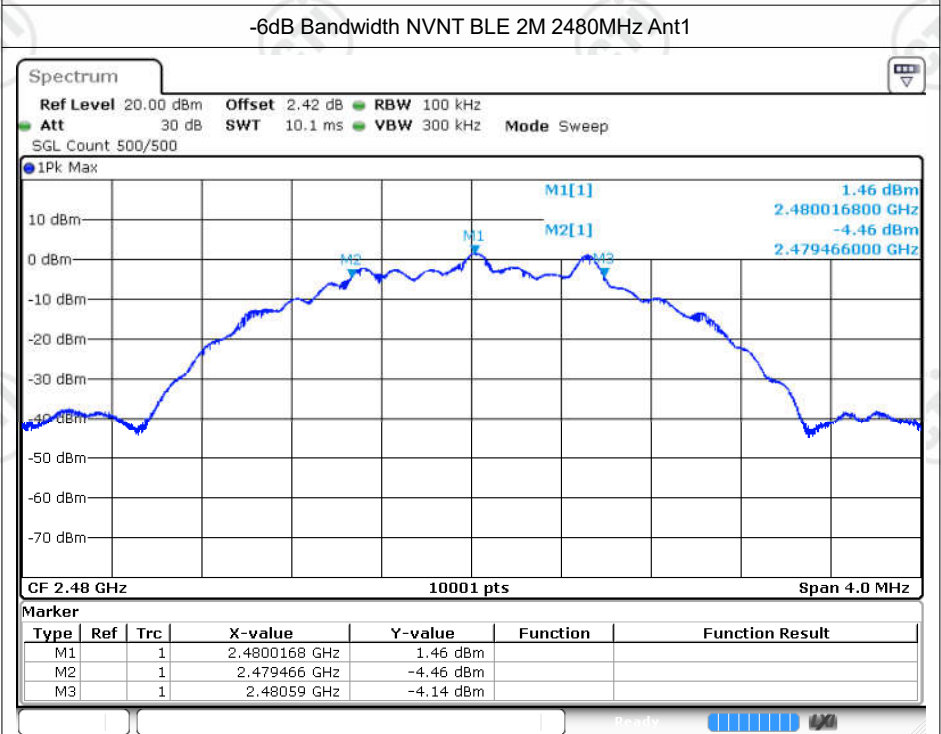
Date: 18.APR.2025 16:46:42



Date: 18.APR.2025 16:49:12



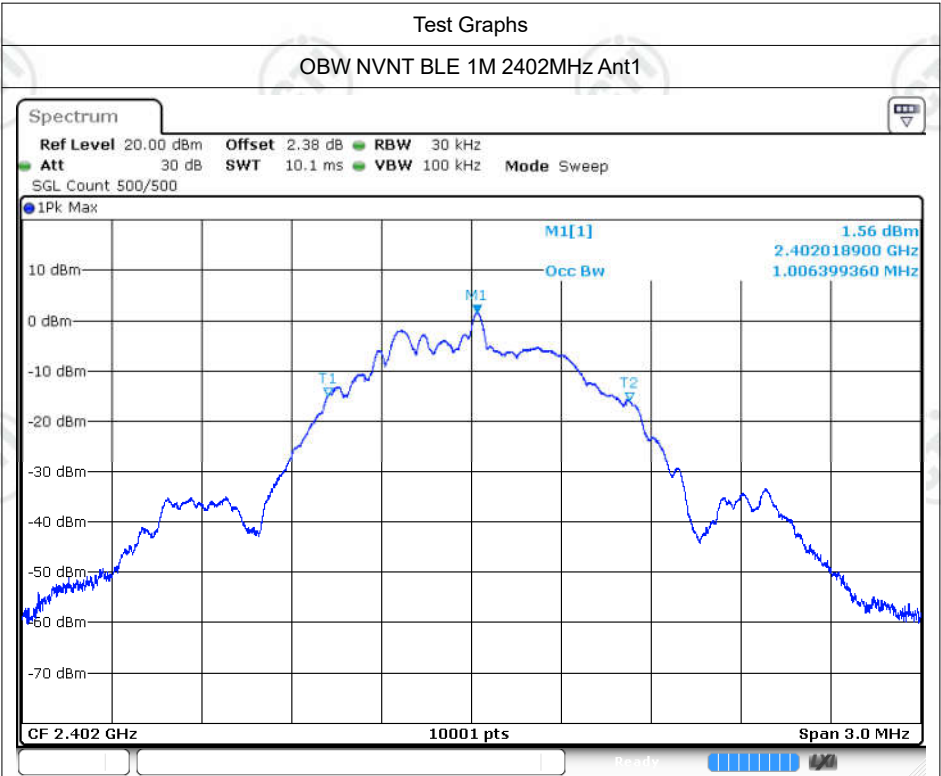
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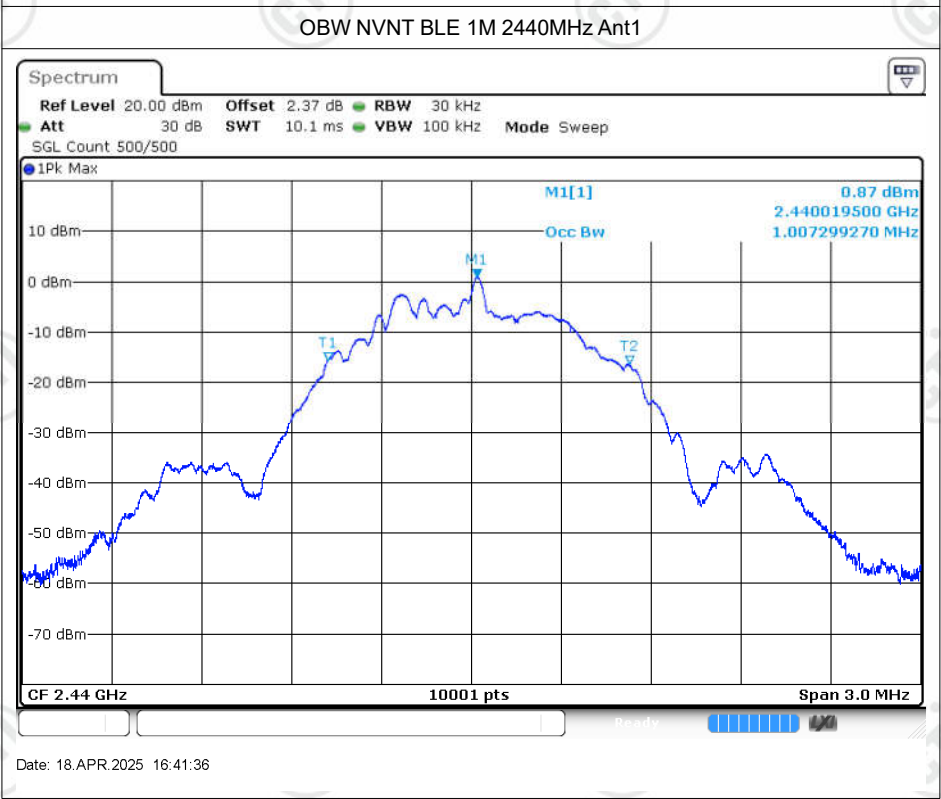
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Occupied Channel Bandwidth

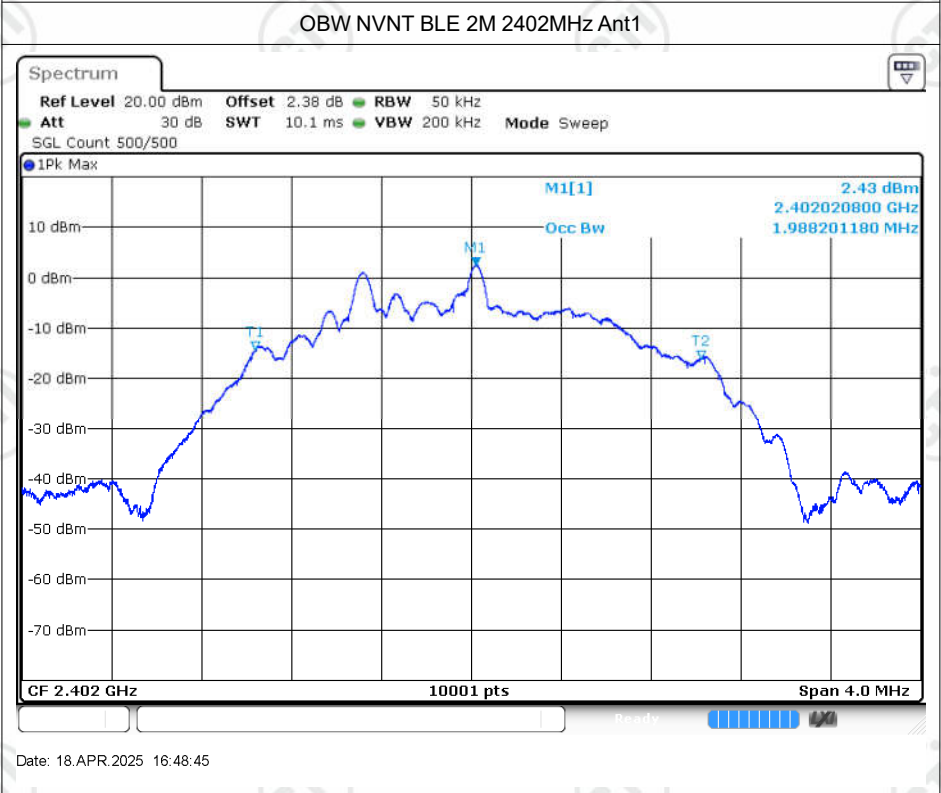
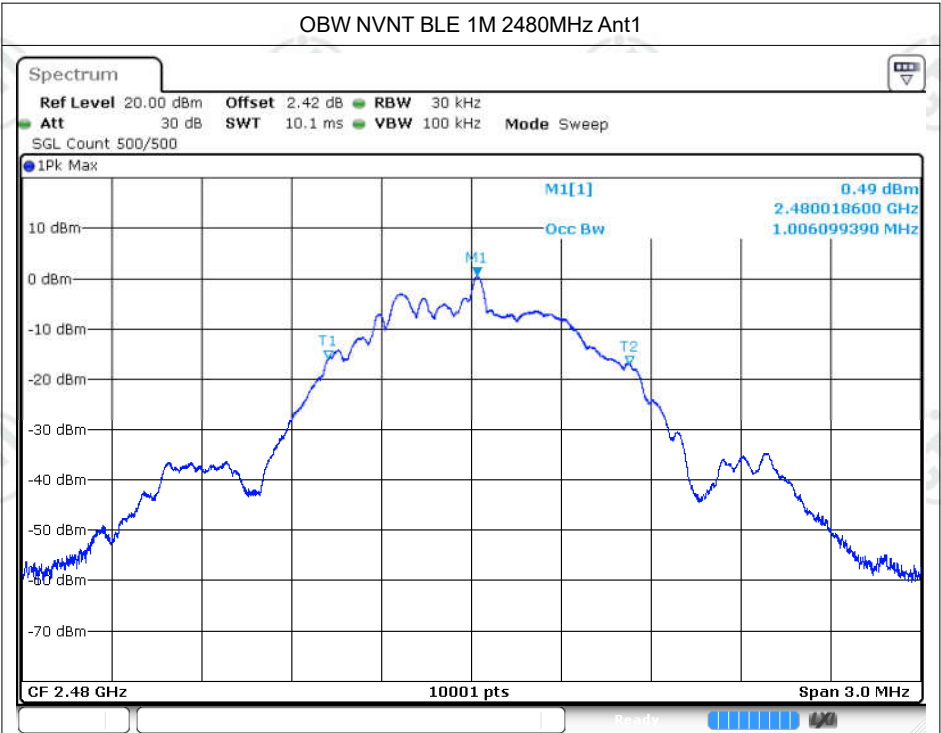
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	BLE 1M	2402	Ant1	1.006
NVNT	BLE 1M	2440	Ant1	1.007
NVNT	BLE 1M	2480	Ant1	1.006
NVNT	BLE 2M	2402	Ant1	1.988
NVNT	BLE 2M	2440	Ant1	1.987
NVNT	BLE 2M	2480	Ant1	1.983

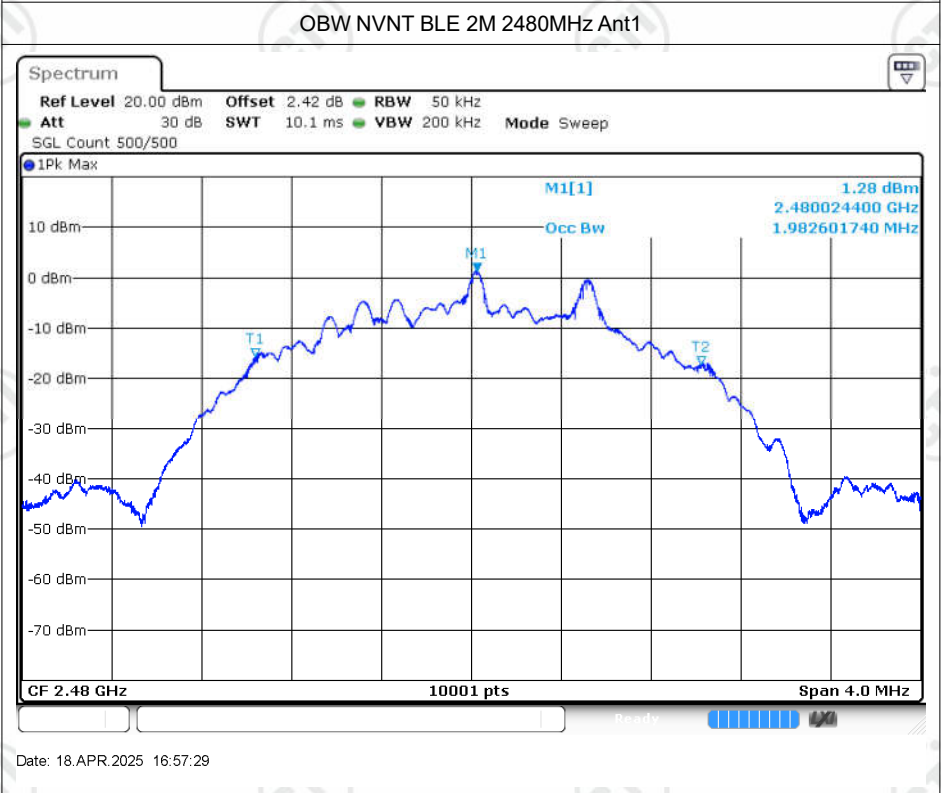
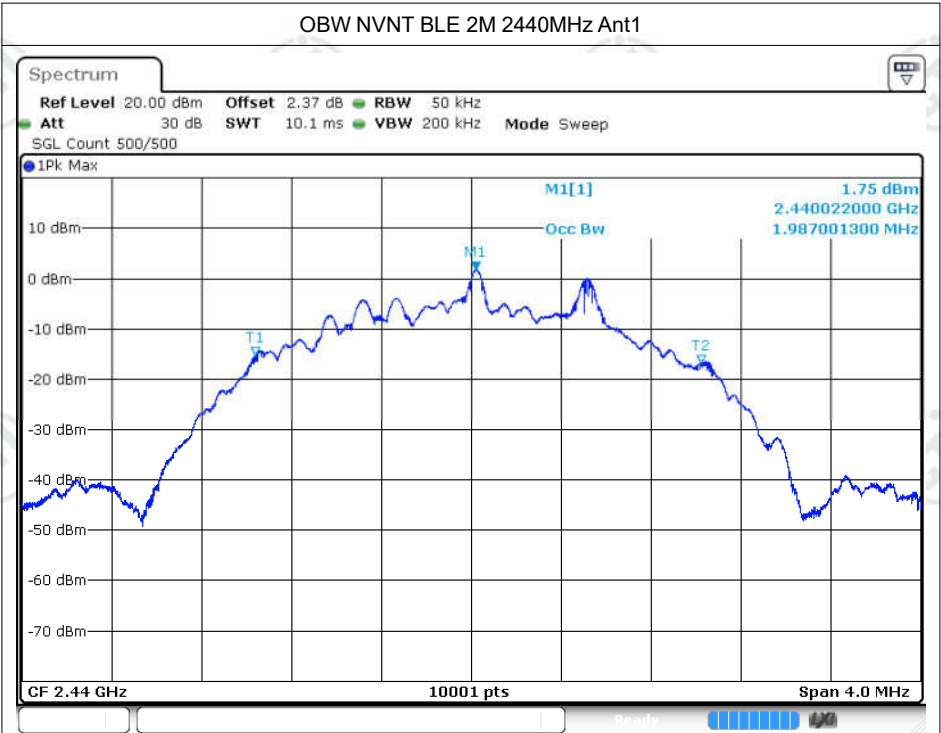


Date: 18.APR.2025 16:44:01



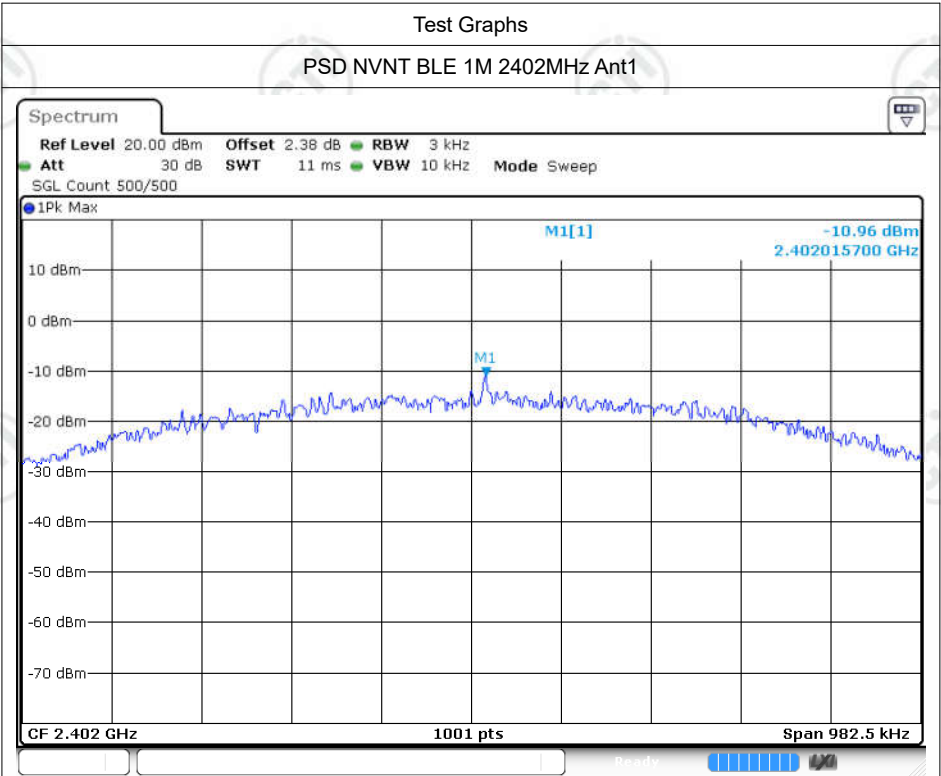
Date: 18.APR.2025 16:41:36



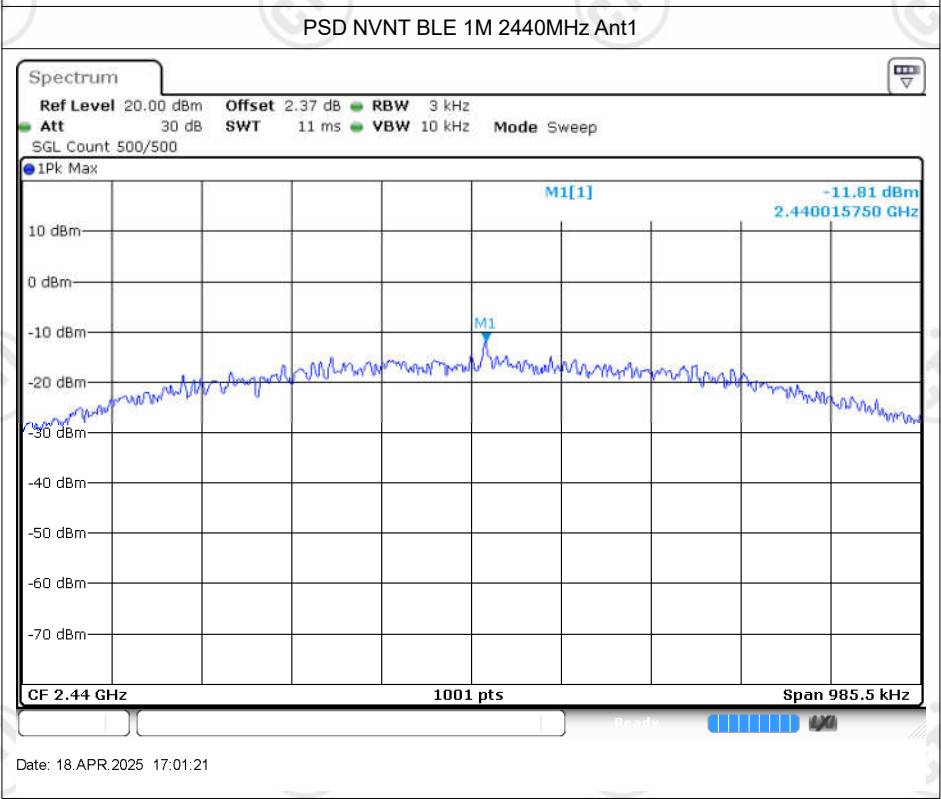


Maximum Power Spectral Density Level

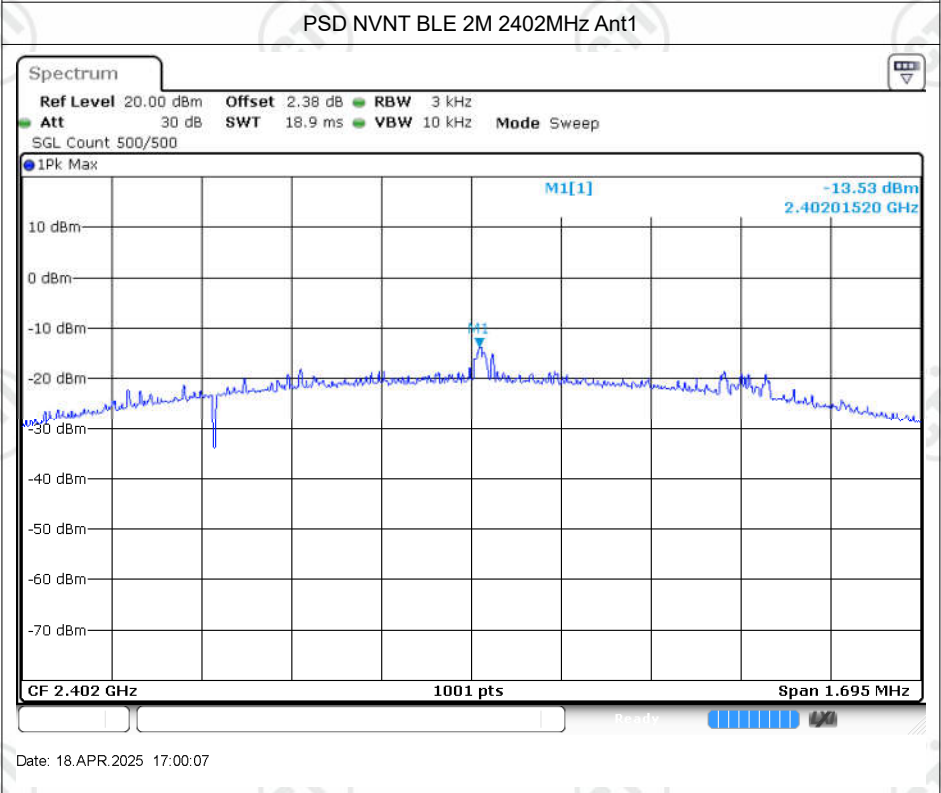
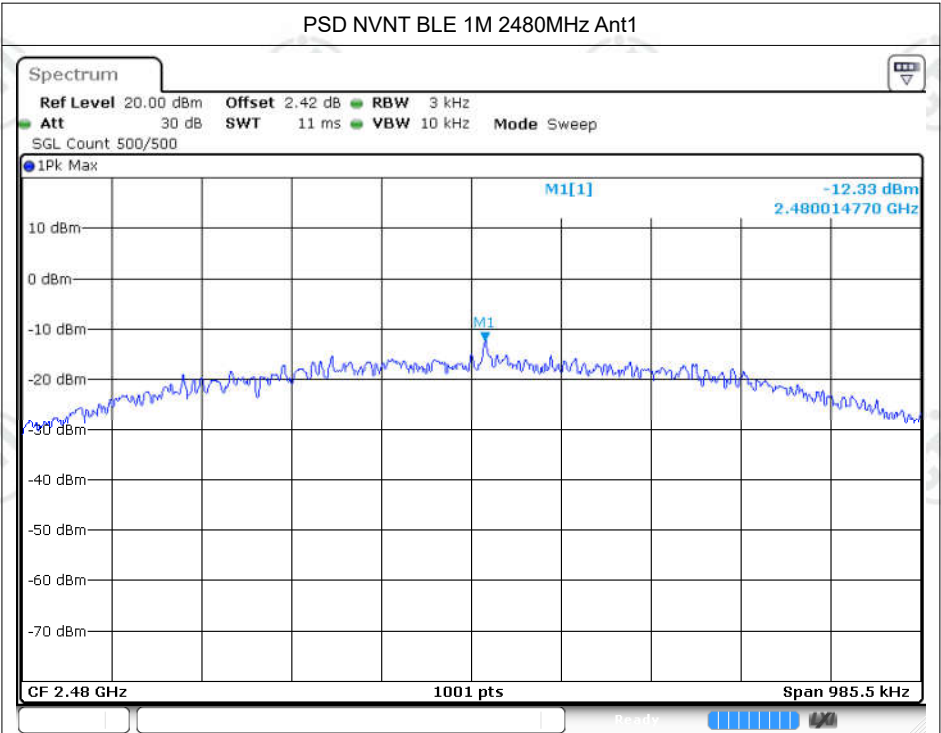
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/3kHz)	Duty Factor (dB)	Total PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
NVNT	BLE 1M	2402	Ant1	-10.96	0	-10.96	8	Pass
NVNT	BLE 1M	2440	Ant1	-11.81	0	-11.81	8	Pass
NVNT	BLE 1M	2480	Ant1	-12.33	0	-12.33	8	Pass
NVNT	BLE 2M	2402	Ant1	-13.53	0	-13.53	8	Pass
NVNT	BLE 2M	2440	Ant1	-14.44	0	-14.44	8	Pass
NVNT	BLE 2M	2480	Ant1	-14.95	0	-14.95	8	Pass

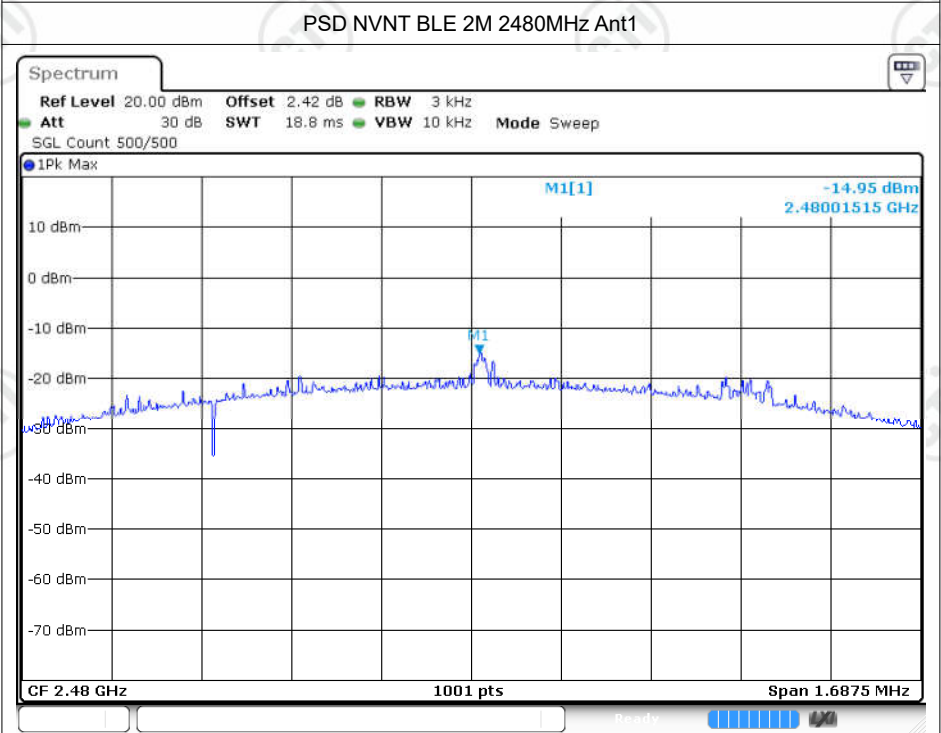
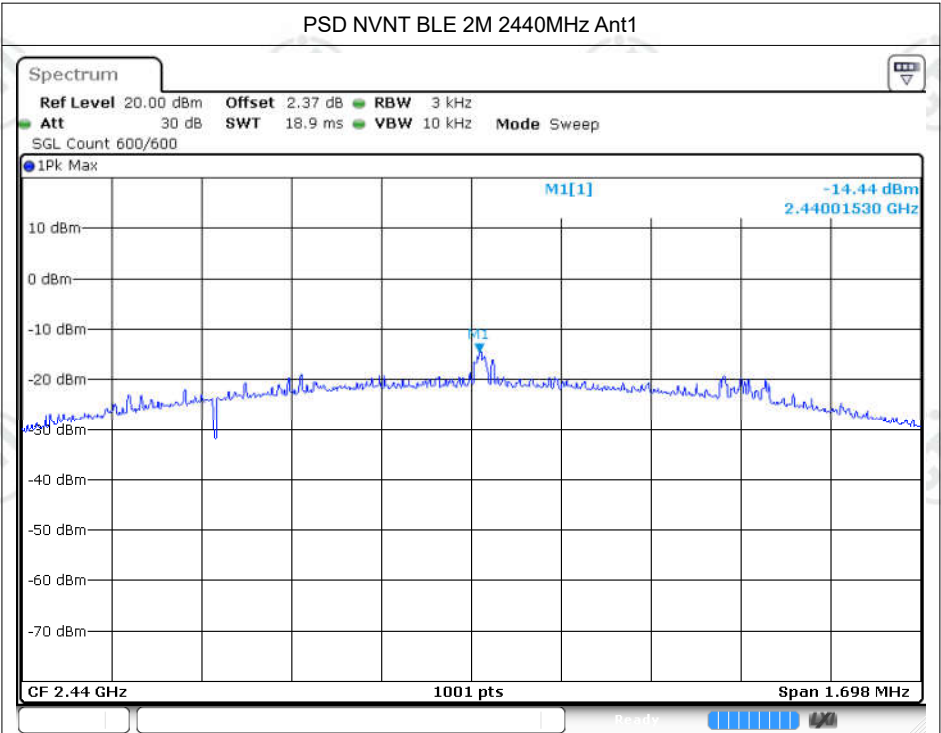


Date: 18.APR.2025 17:00:44



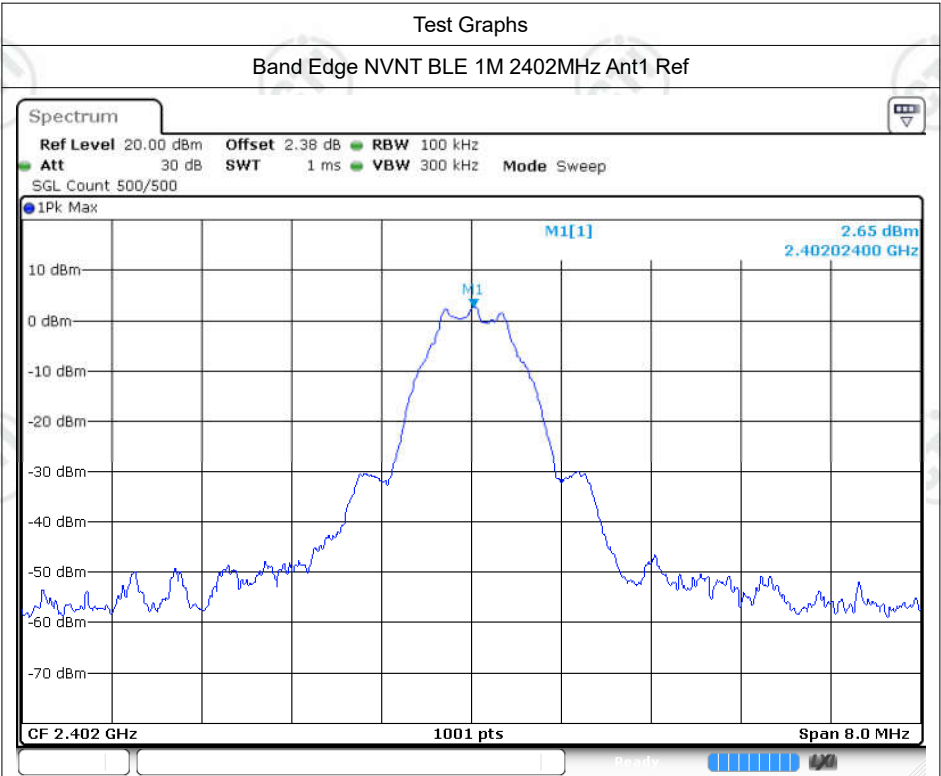
Date: 18.APR.2025 17:01:21



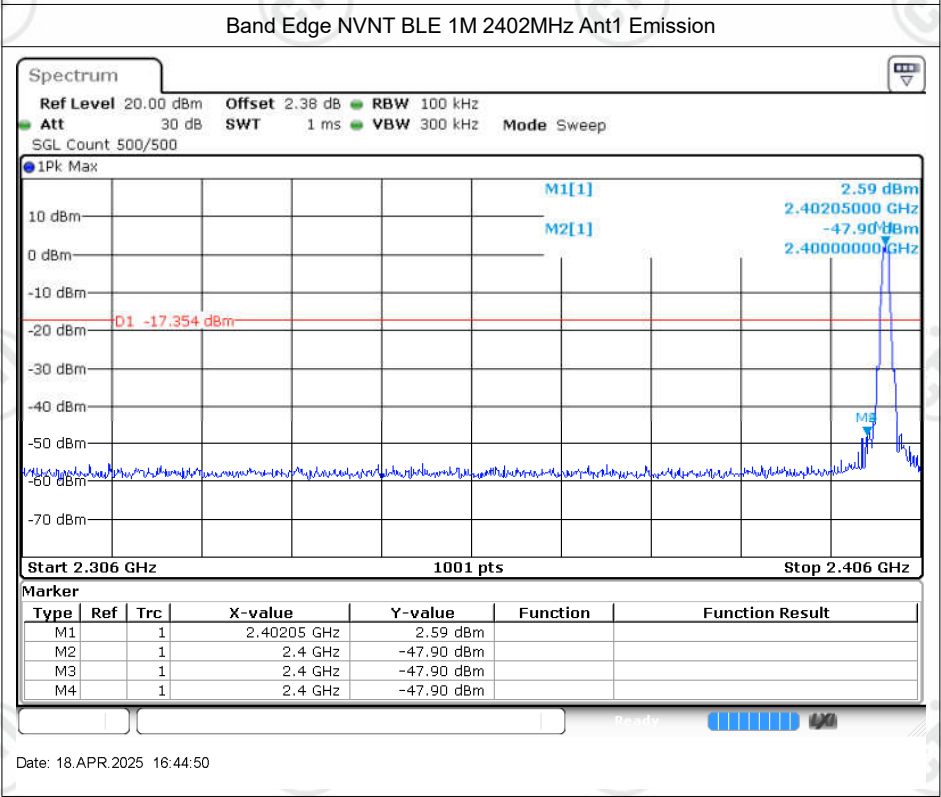


Band Edge

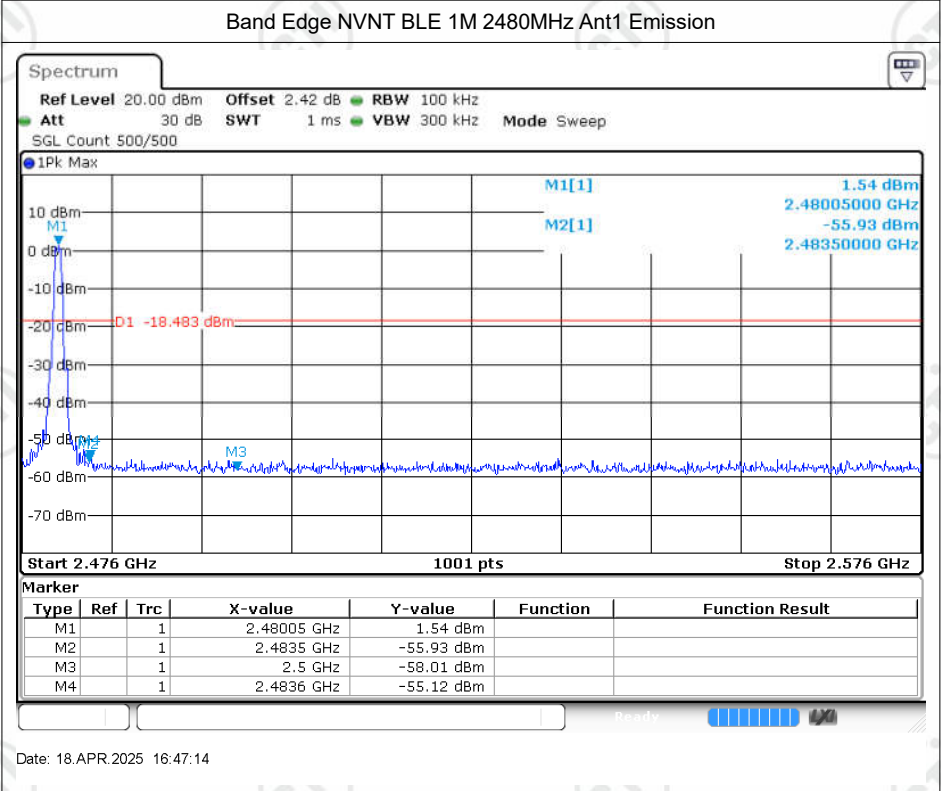
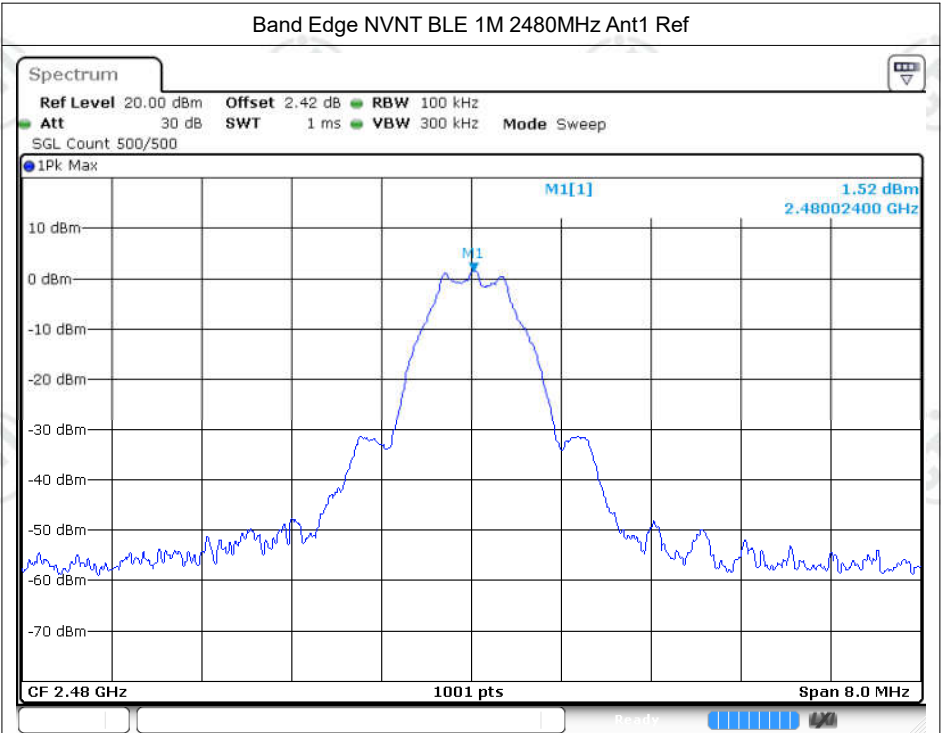
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE 1M	2402	Ant1	-50.54	-20	Pass
NVNT	BLE 1M	2480	Ant1	-56.64	-20	Pass
NVNT	BLE 2M	2402	Ant1	-45.58	-20	Pass
NVNT	BLE 2M	2480	Ant1	-56.82	-20	Pass

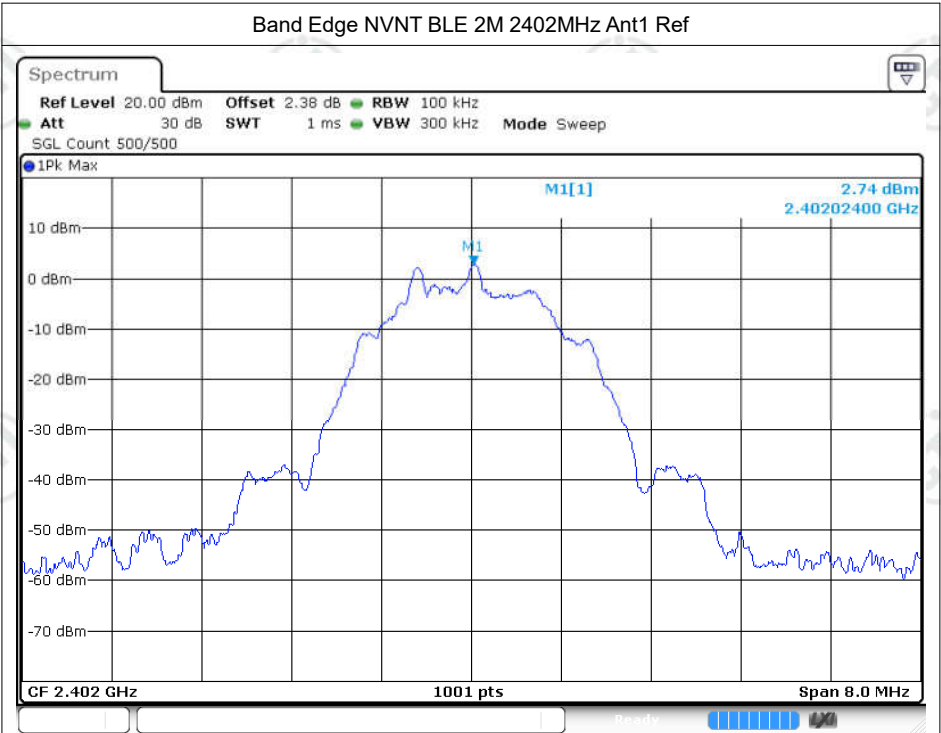


Date: 18.APR.2025 16:44:46

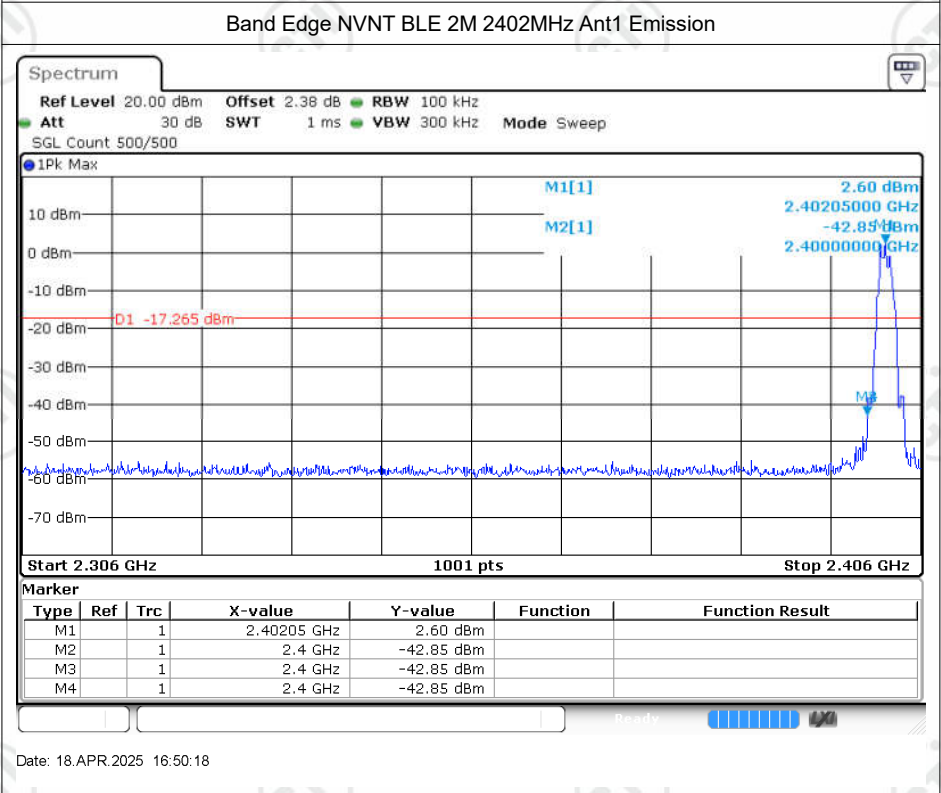


Date: 18.APR.2025 16:44:50

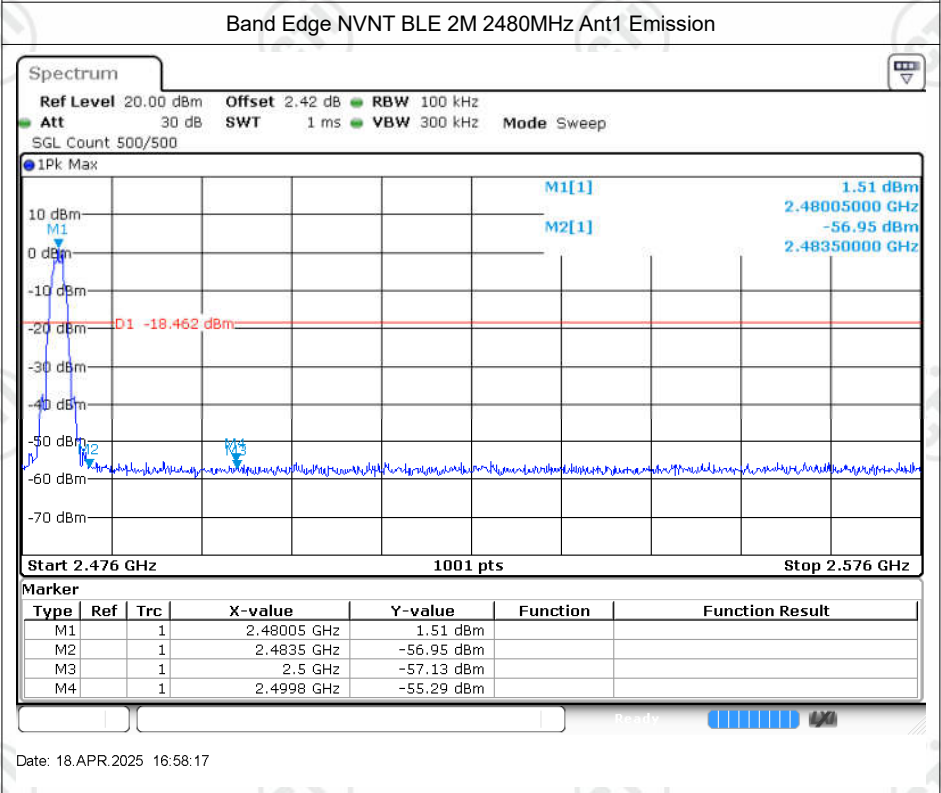
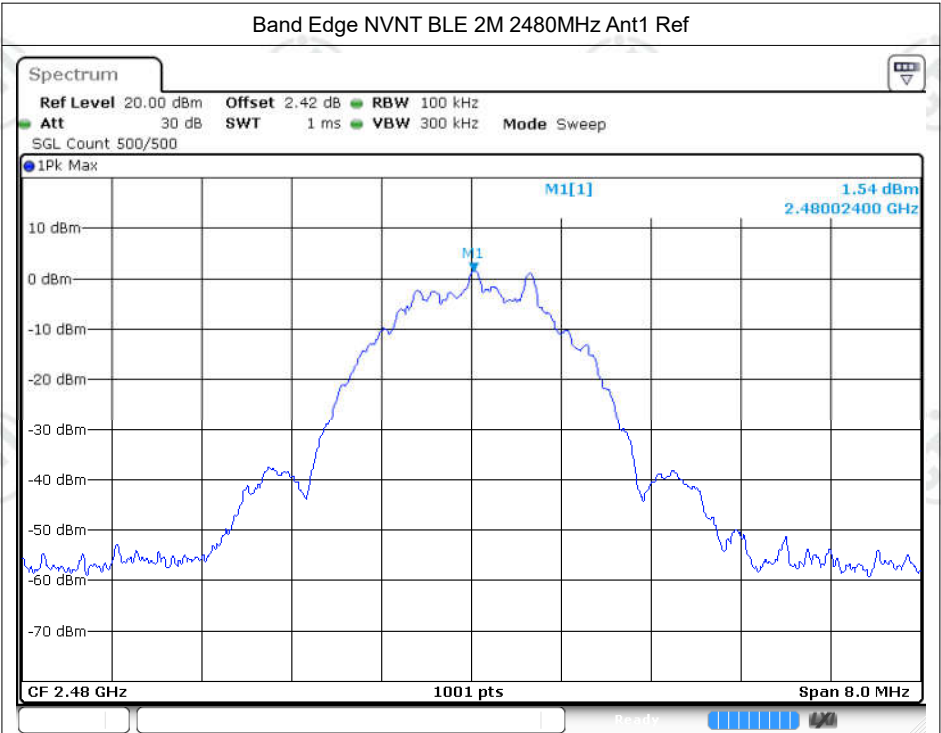




Date: 18.APR.2025 16:50:15

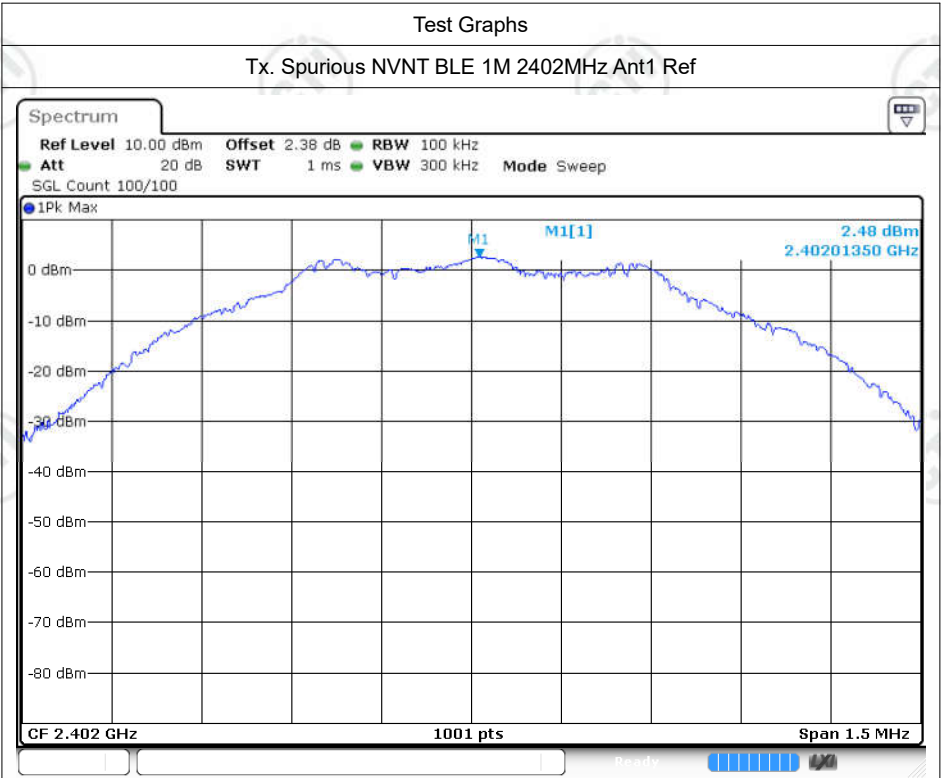


Date: 18.APR.2025 16:50:18

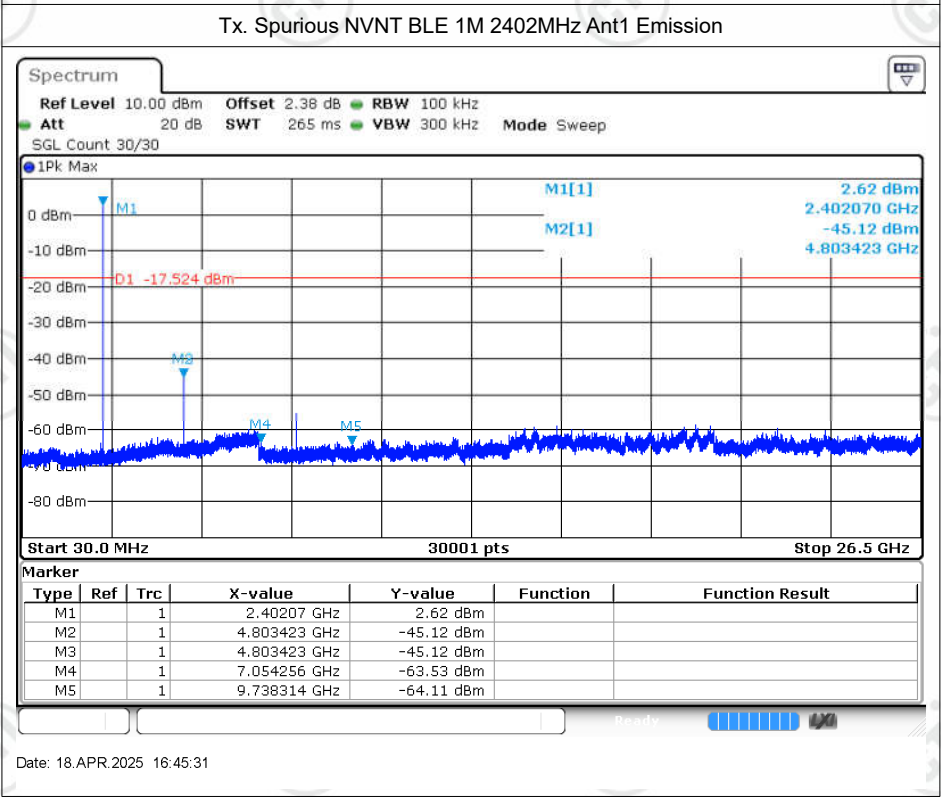


Conducted RF Spurious Emission

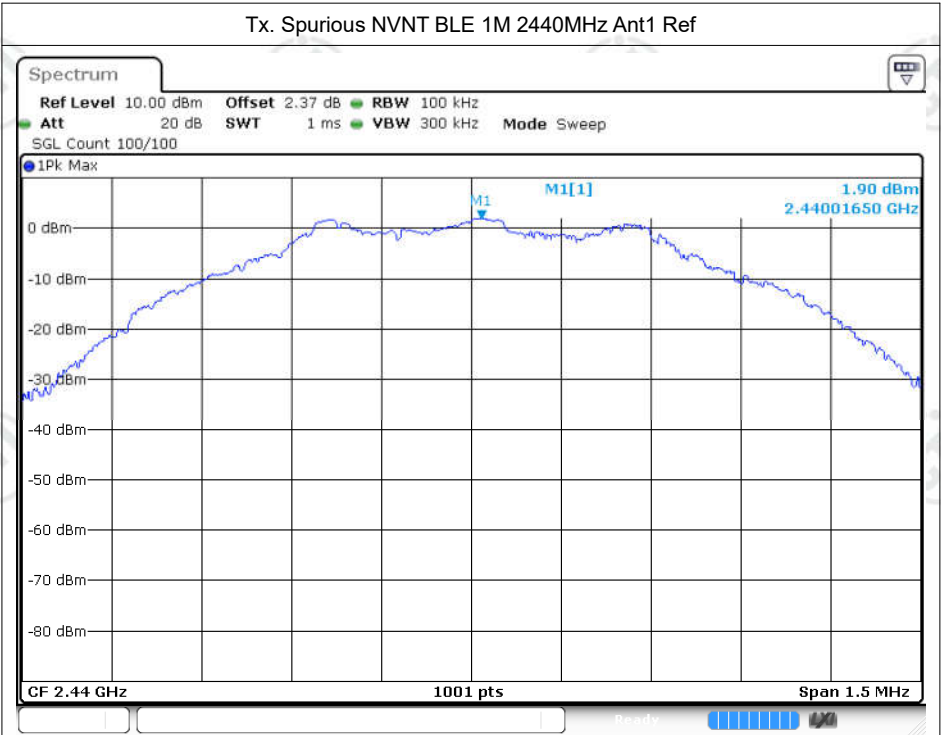
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE 1M	2402	Ant1	-47.59	-20	Pass
NVNT	BLE 1M	2440	Ant1	-51.73	-20	Pass
NVNT	BLE 1M	2480	Ant1	-50.58	-20	Pass
NVNT	BLE 2M	2402	Ant1	-48	-20	Pass
NVNT	BLE 2M	2440	Ant1	-49	-20	Pass
NVNT	BLE 2M	2480	Ant1	-50.44	-20	Pass



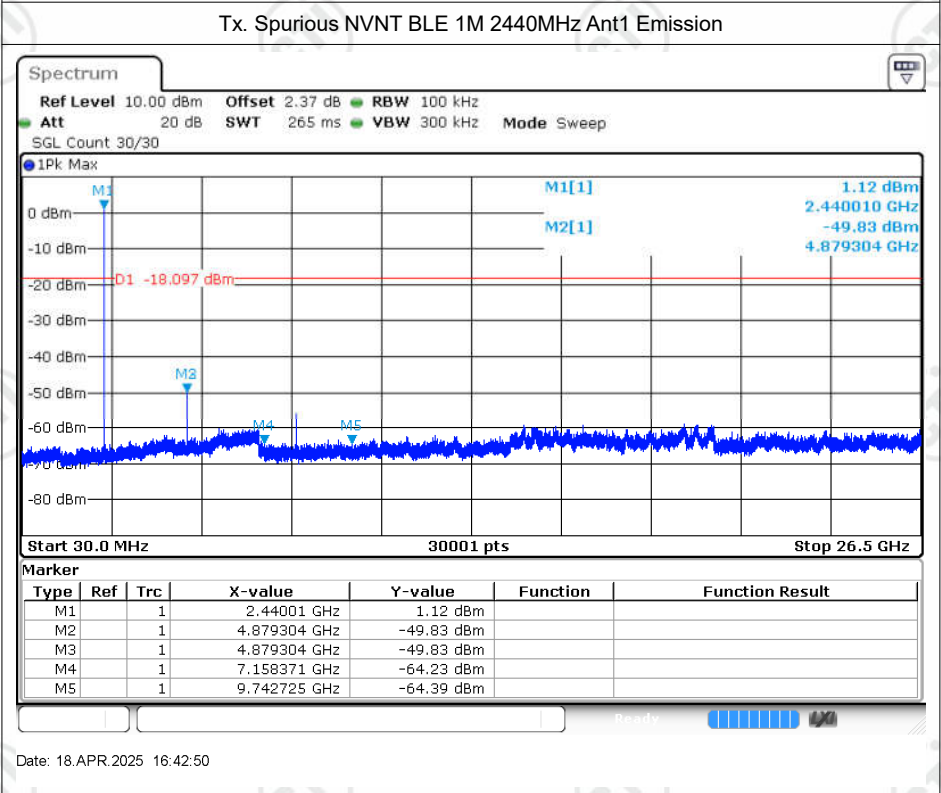
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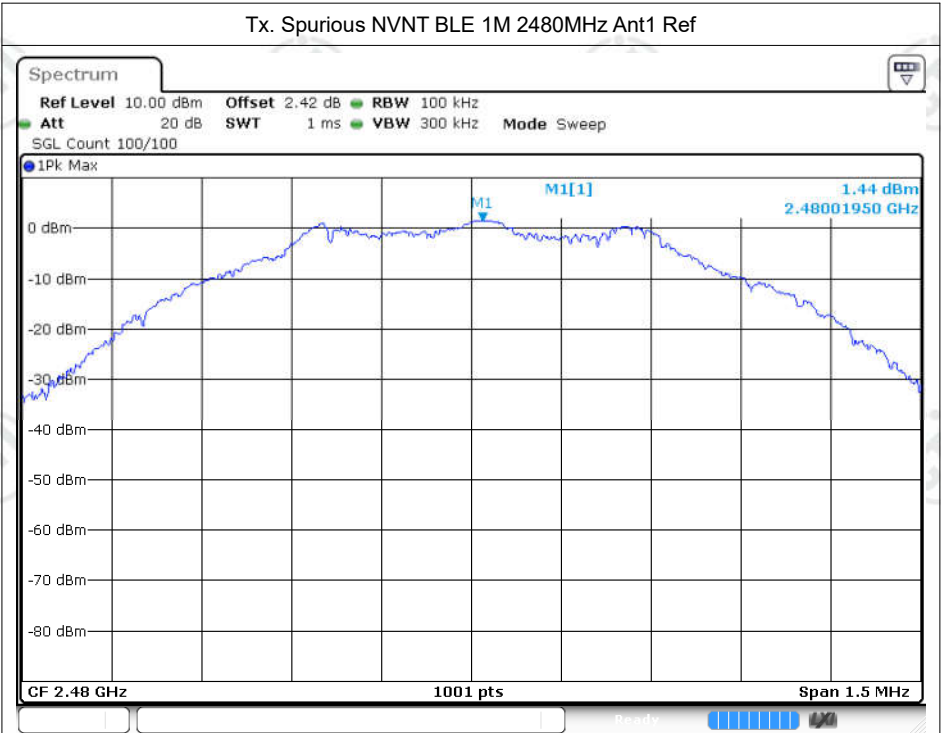
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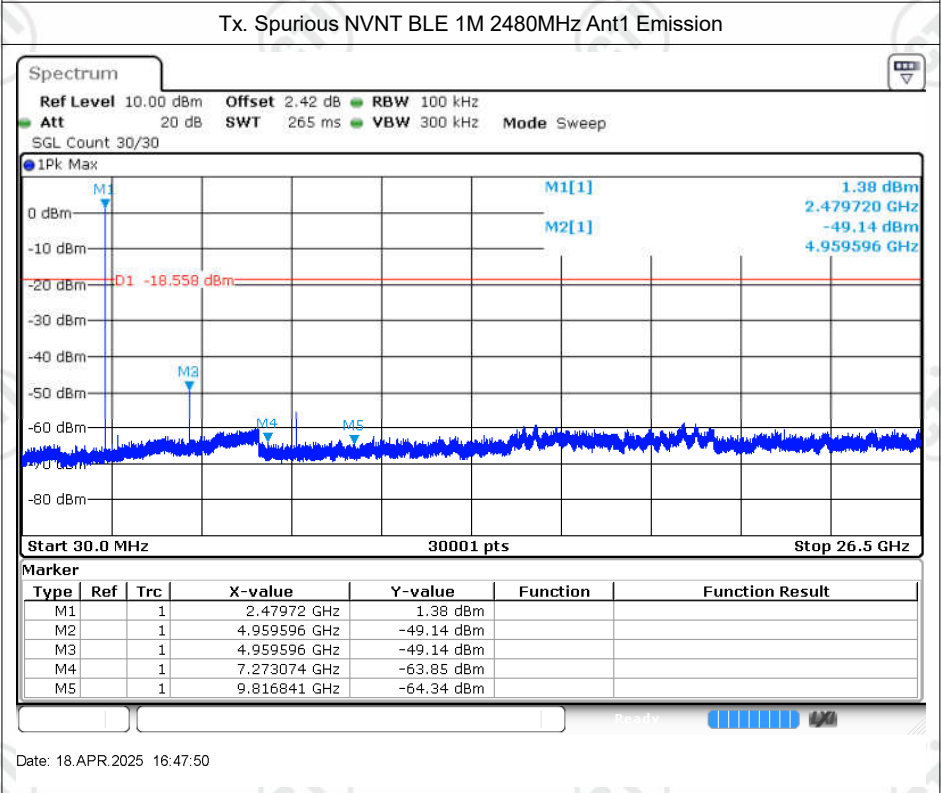
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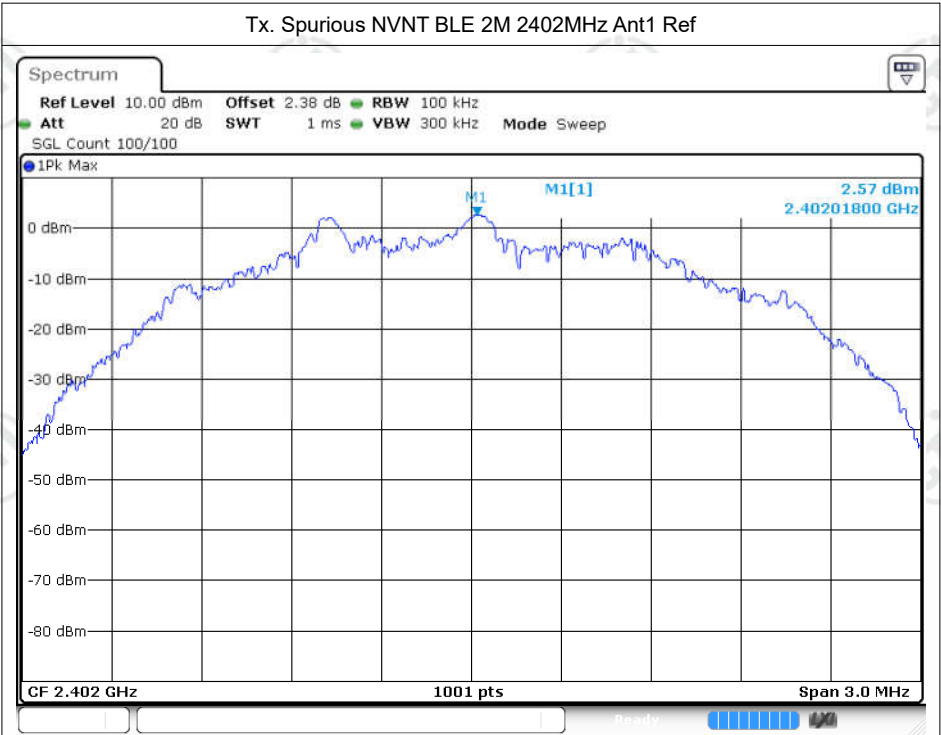
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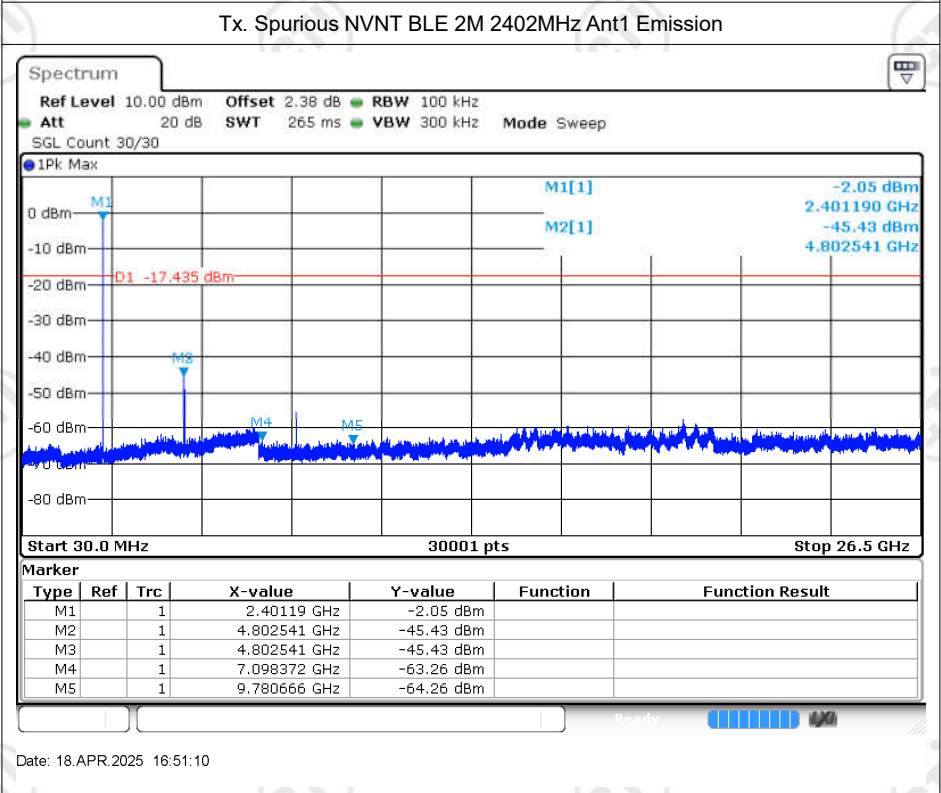
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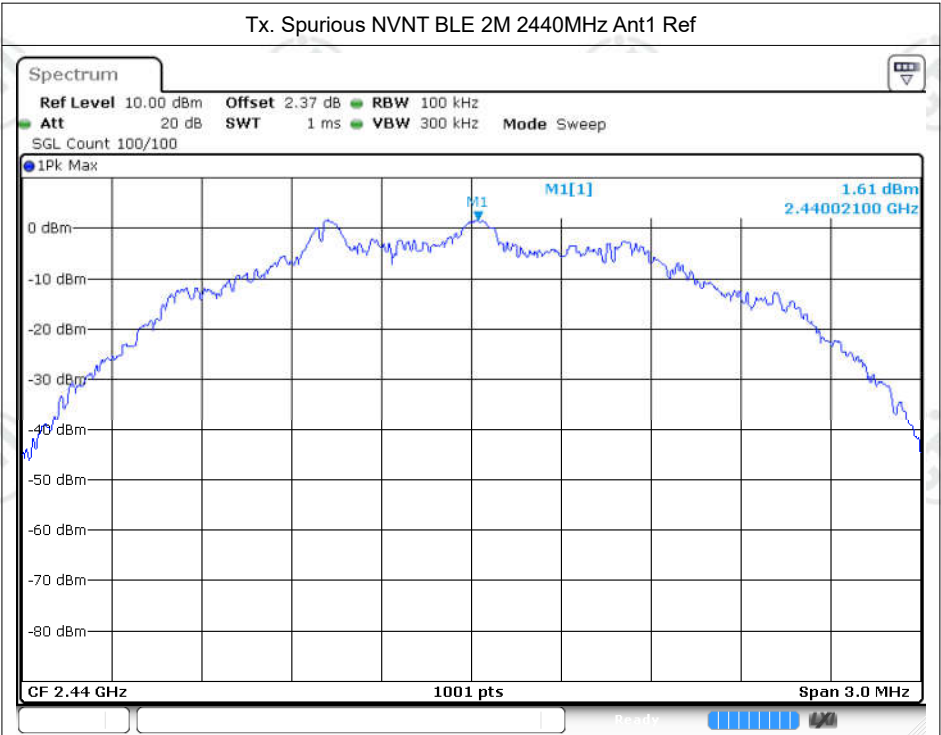
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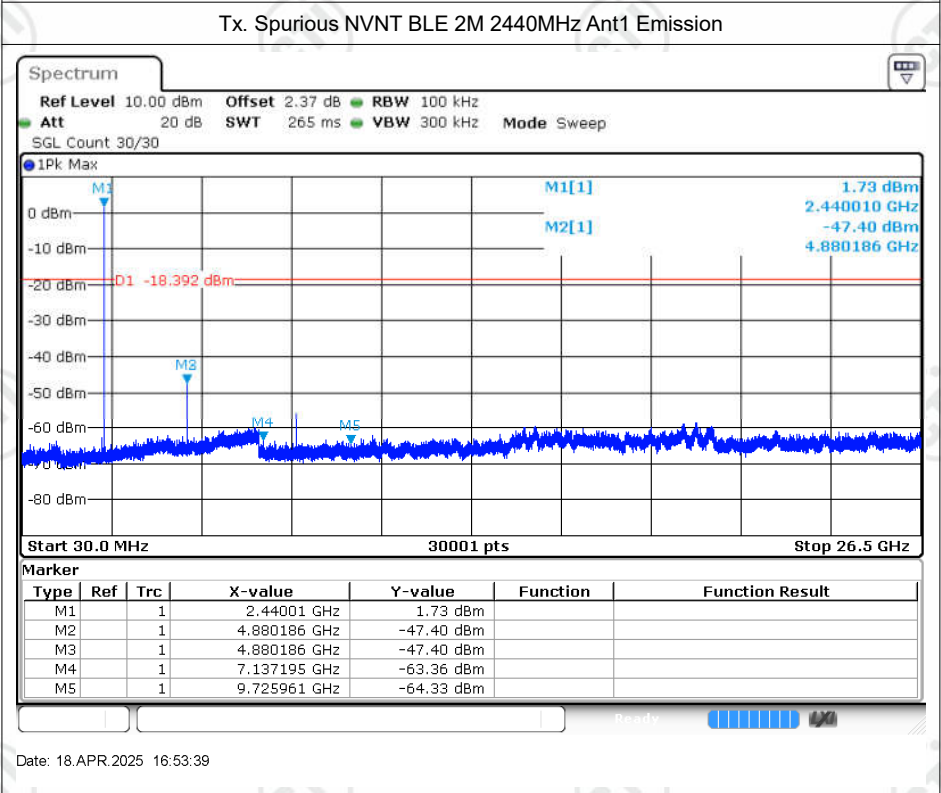
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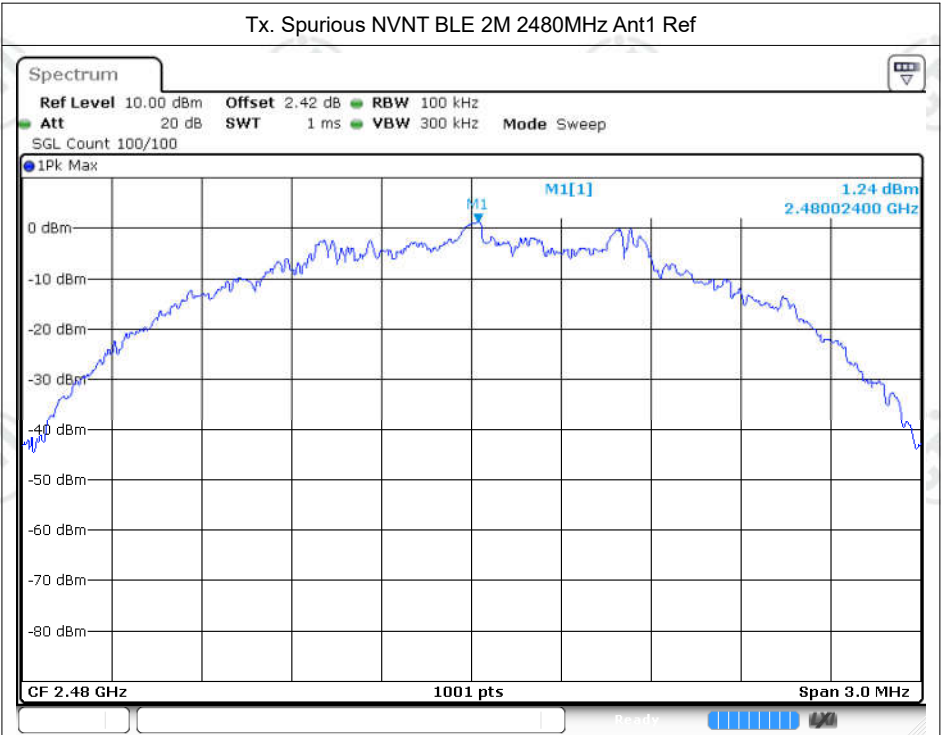
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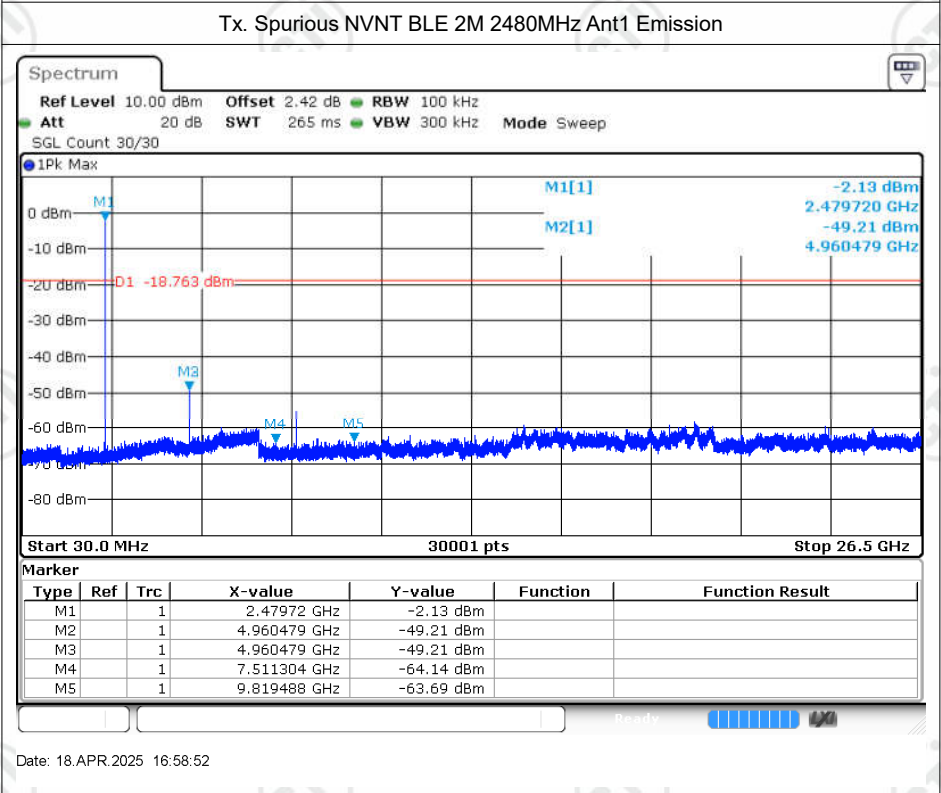
Date: 18.APR.2025 16:53:10



Date: 18.APR.2025 16:53:39



Date: 18.APR.2025 16:58:23



Date: 18.APR.2025 16:58:52

*** End of Report ***