

Appendix: Bluetooth LE

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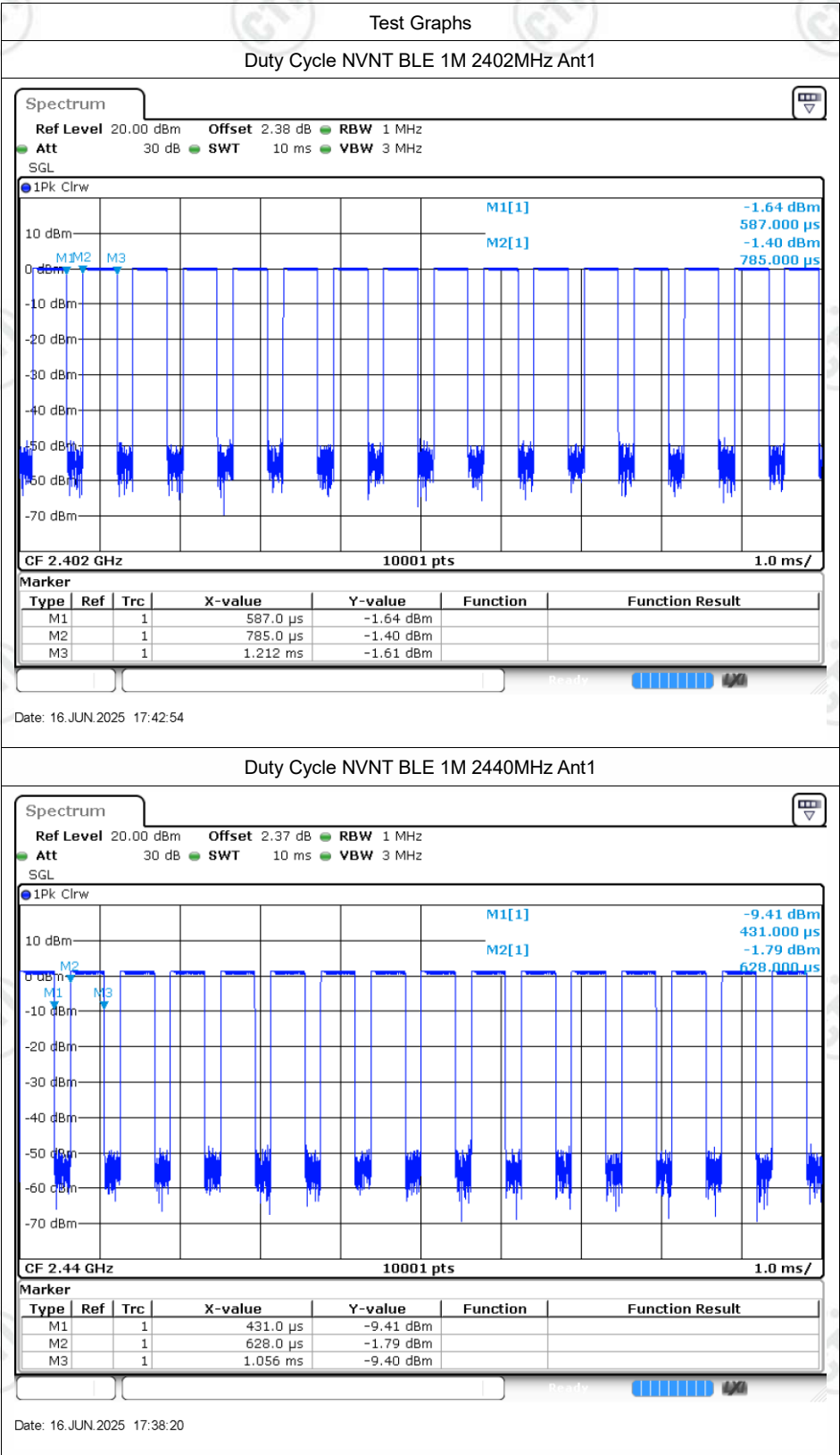
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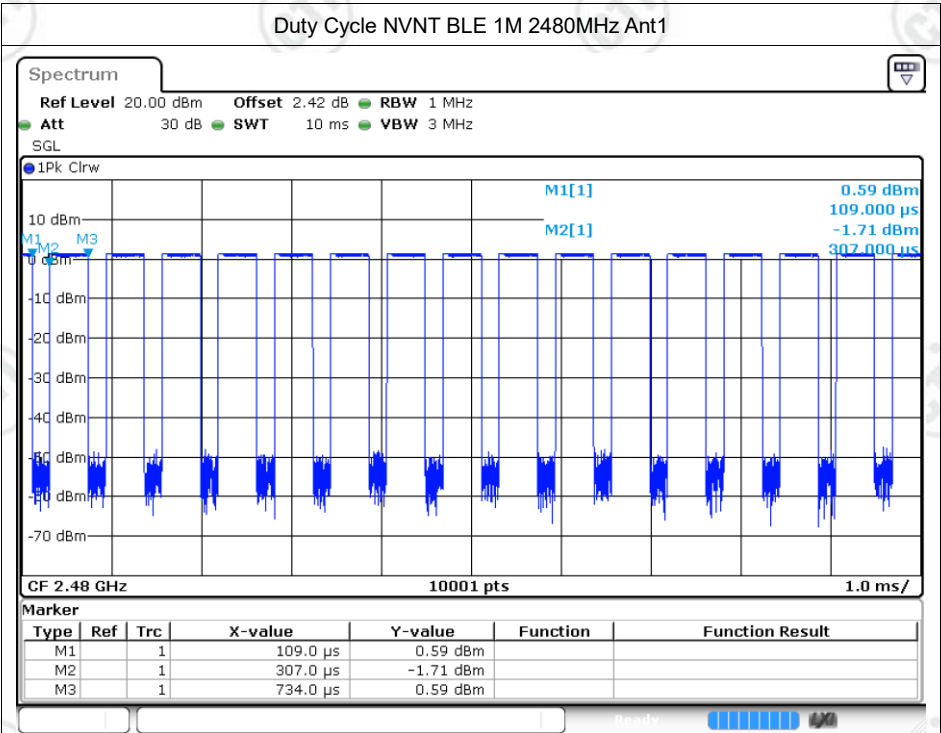
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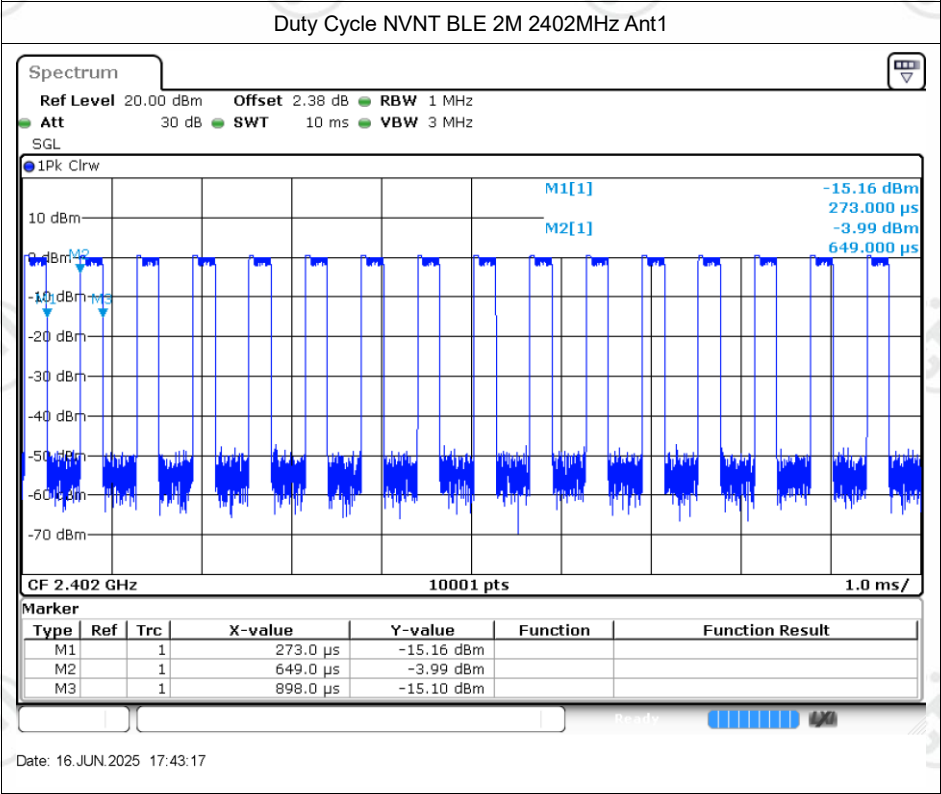
Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	BLE 1M	2402	Ant1	68.32	1.65	2.34
NVNT	BLE 1M	2440	Ant1	68.48	1.64	2.34
NVNT	BLE 1M	2480	Ant1	68.32	1.65	2.34
NVNT	BLE 2M	2402	Ant1	39.84	4	4.02
NVNT	BLE 2M	2440	Ant1	39.84	4	4.02
NVNT	BLE 2M	2480	Ant1	39.84	4	4.02

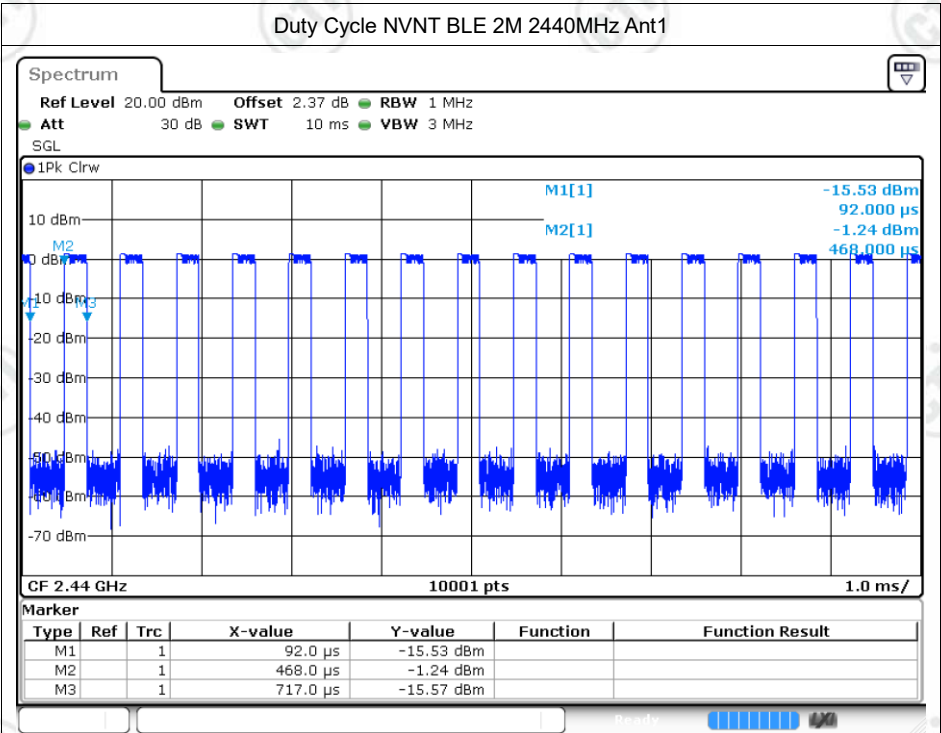




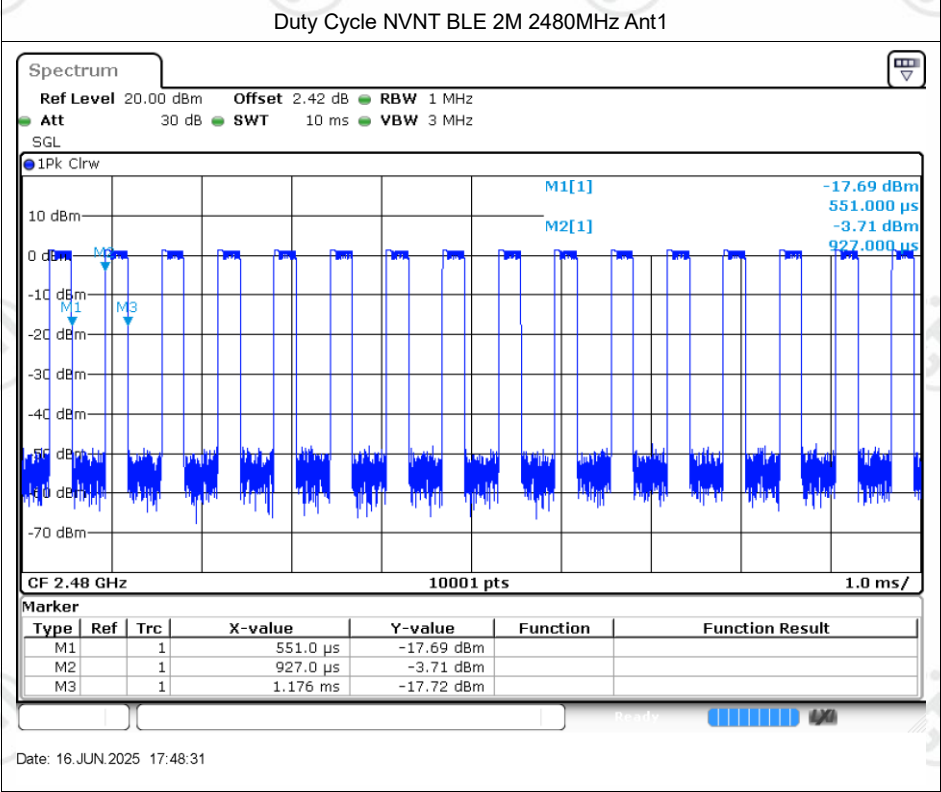
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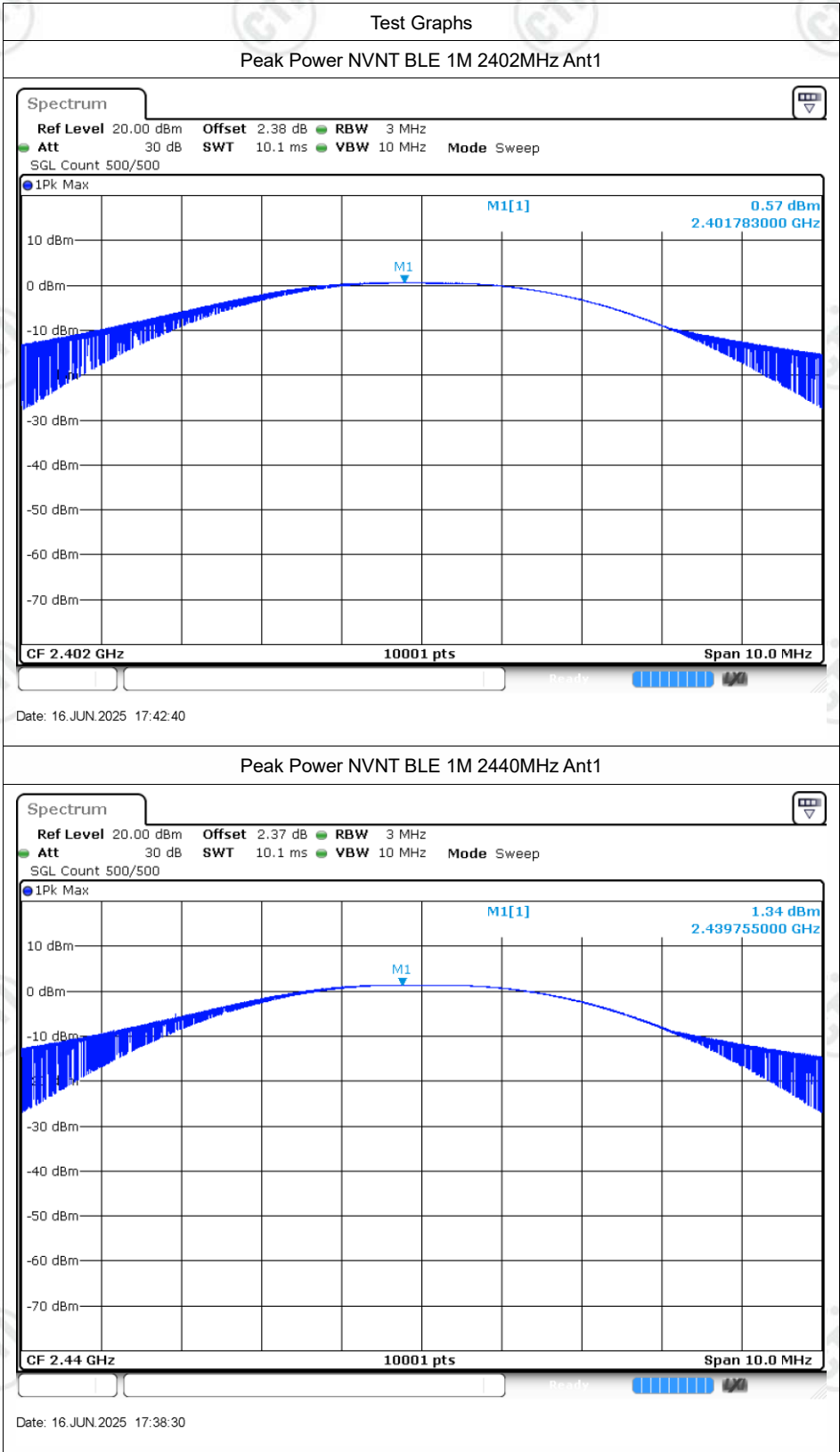
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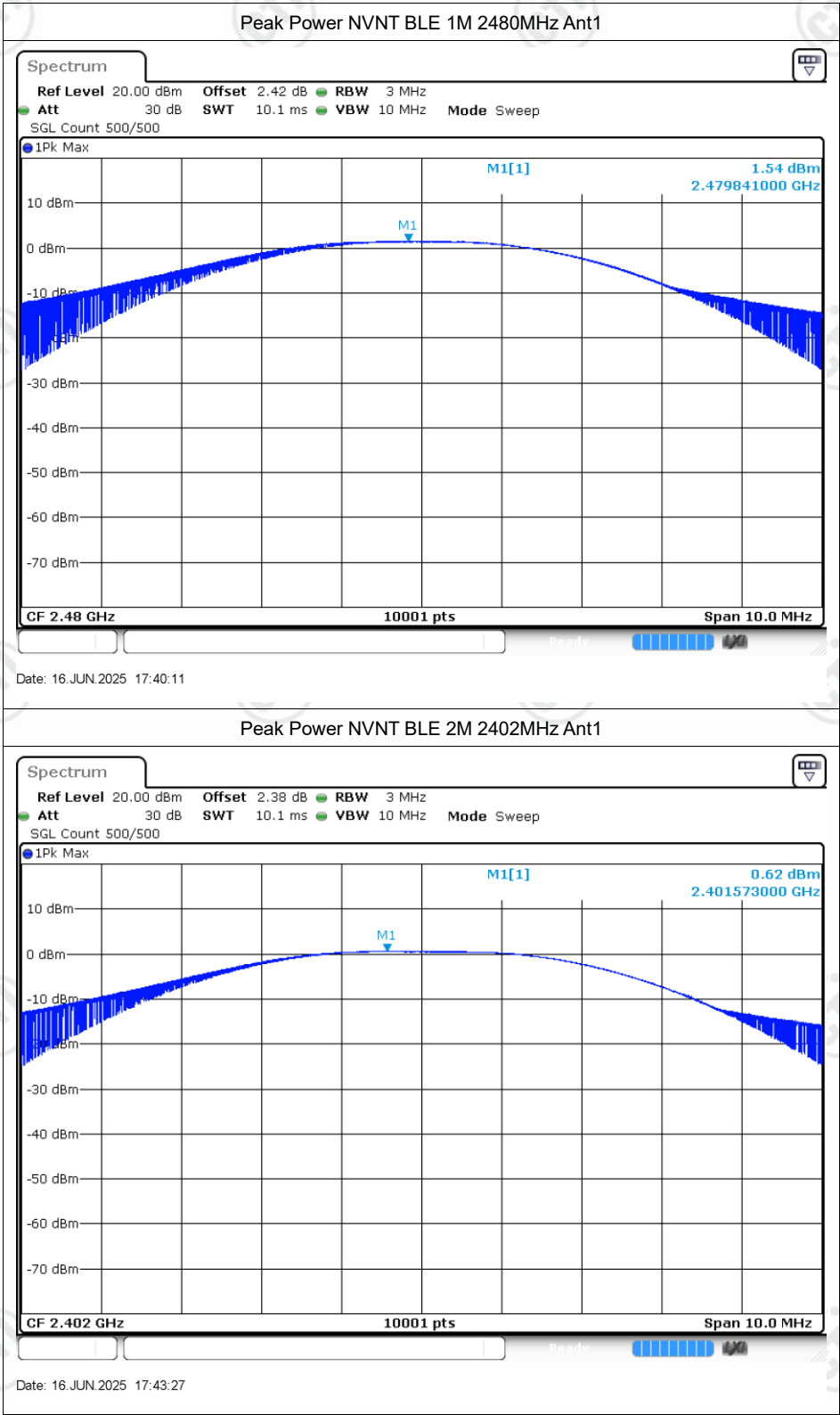


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Maximum Peak Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	BLE 1M	2402	Ant1	0.57	0	0.57	30	Pass
NVNT	BLE 1M	2440	Ant1	1.34	0	1.34	30	Pass
NVNT	BLE 1M	2480	Ant1	1.54	0	1.54	30	Pass
NVNT	BLE 2M	2402	Ant1	0.62	0	0.62	30	Pass
NVNT	BLE 2M	2440	Ant1	1.46	0	1.46	30	Pass
NVNT	BLE 2M	2480	Ant1	1.62	0	1.62	30	Pass

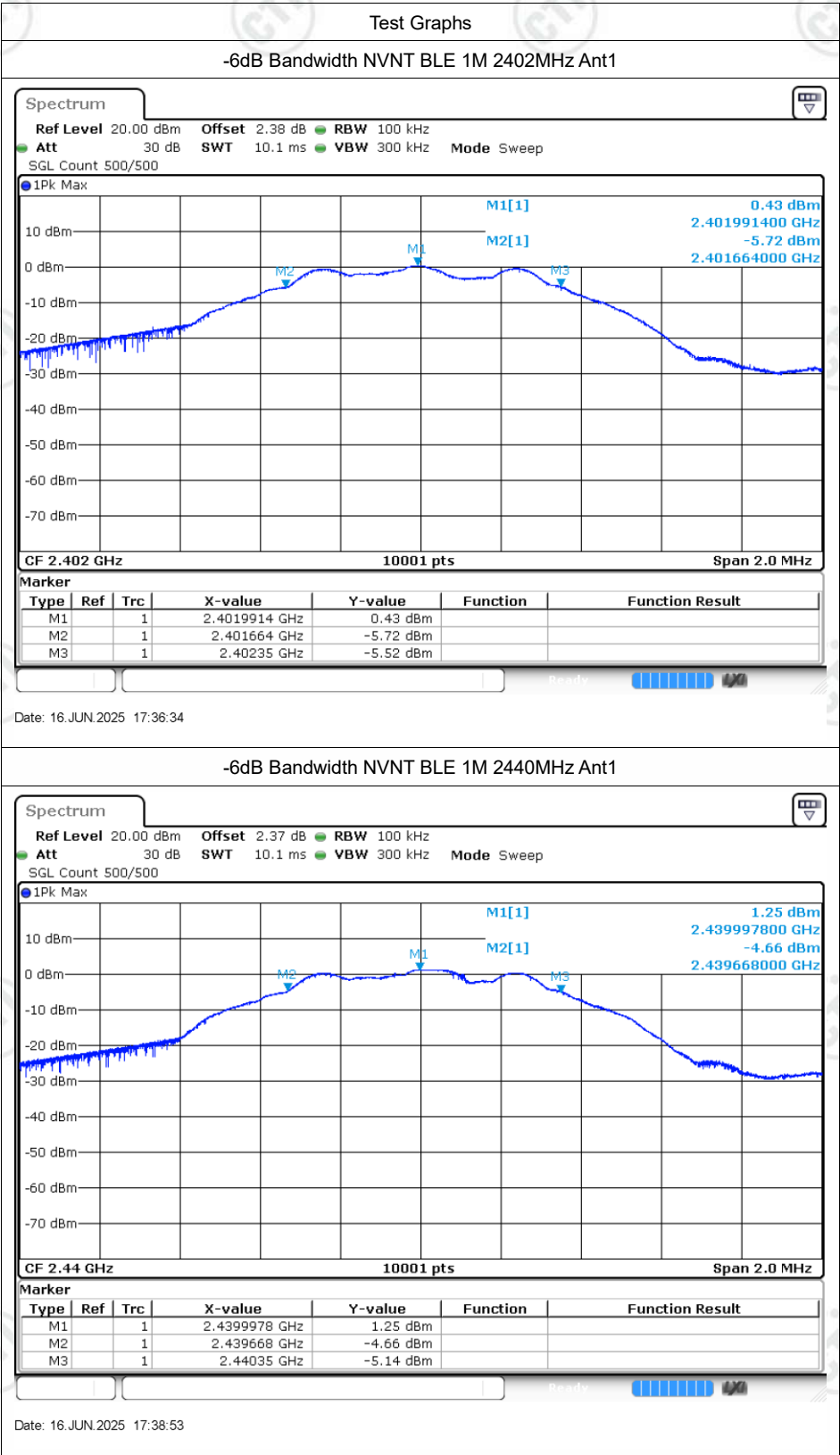


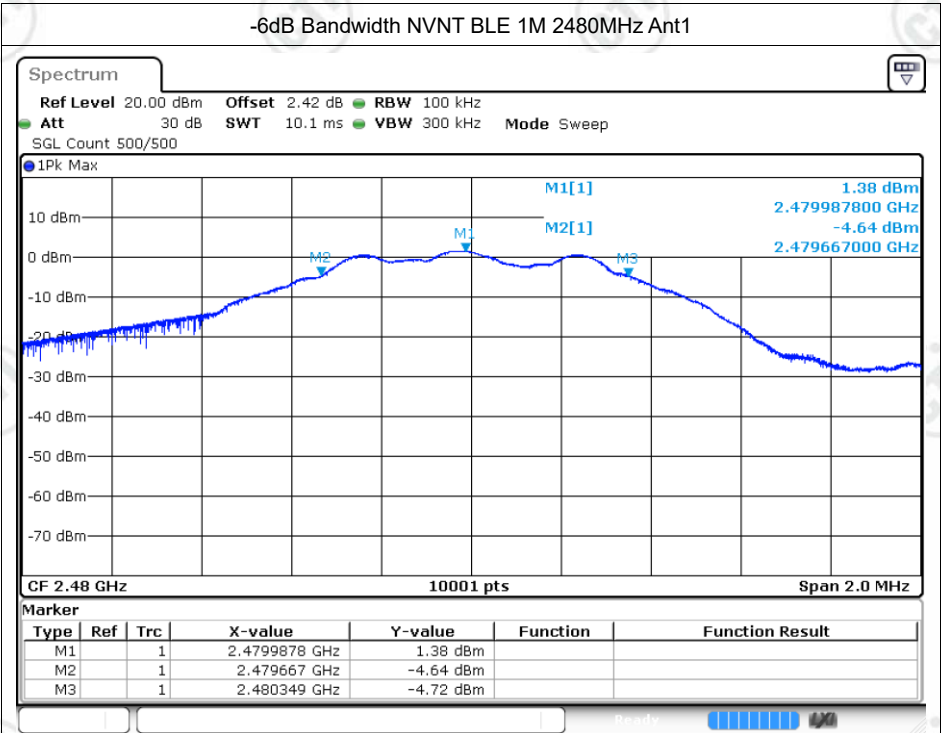




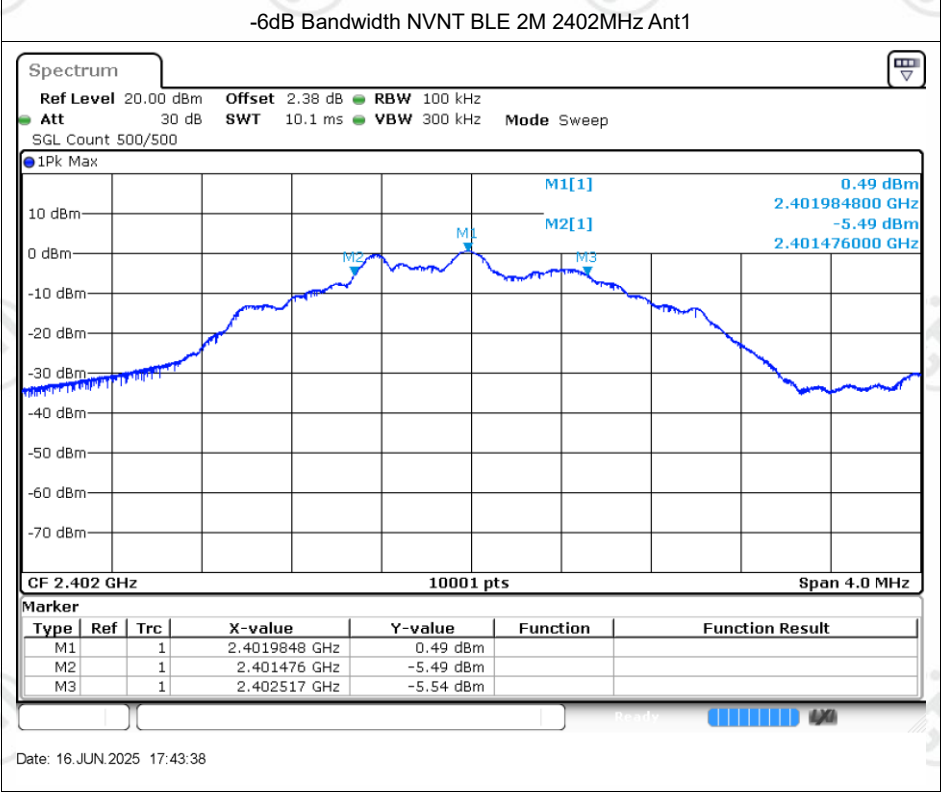
-6dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	BLE 1M	2402	Ant1	0.686	0.5	Pass
NVNT	BLE 1M	2440	Ant1	0.682	0.5	Pass
NVNT	BLE 1M	2480	Ant1	0.683	0.5	Pass
NVNT	BLE 2M	2402	Ant1	1.041	0.5	Pass
NVNT	BLE 2M	2440	Ant1	1.038	0.5	Pass
NVNT	BLE 2M	2480	Ant1	1.028	0.5	Pass

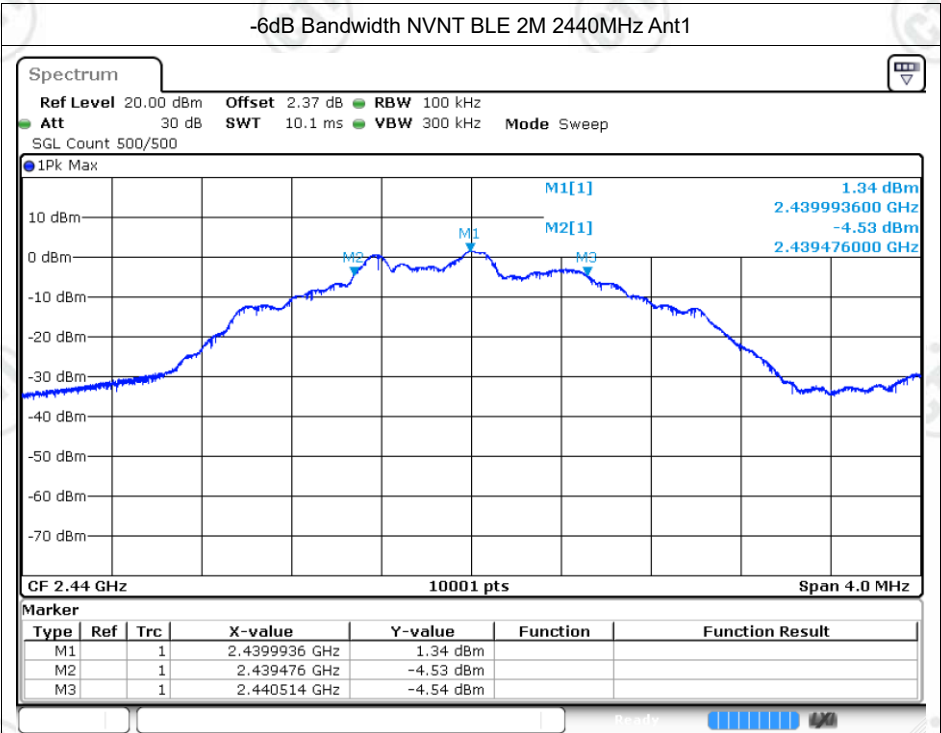




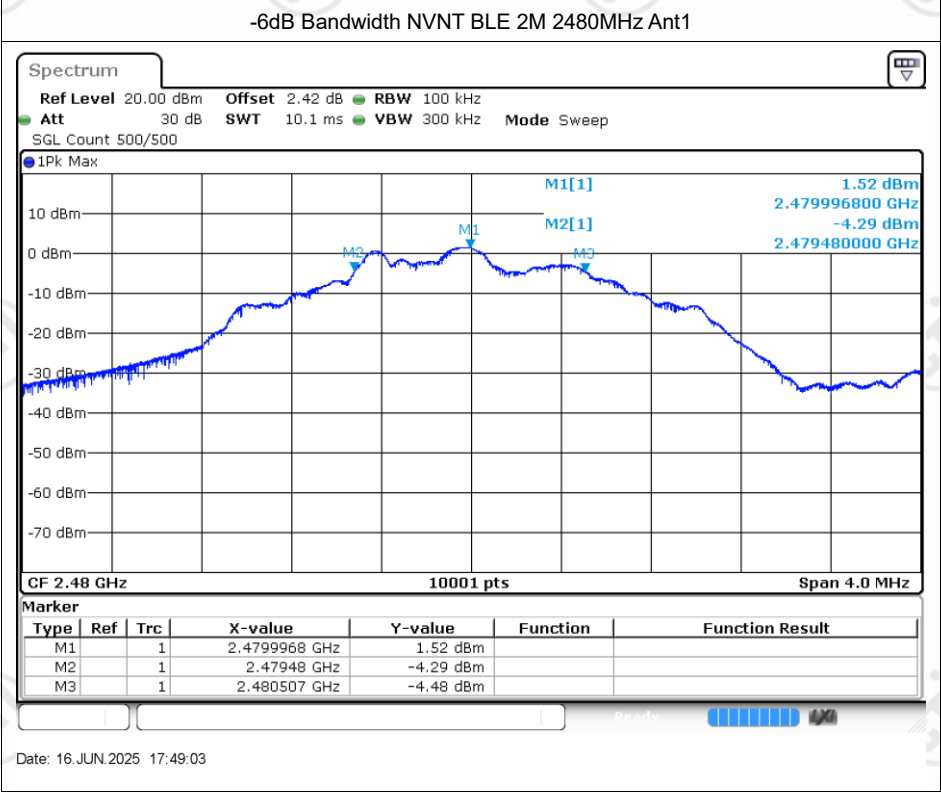
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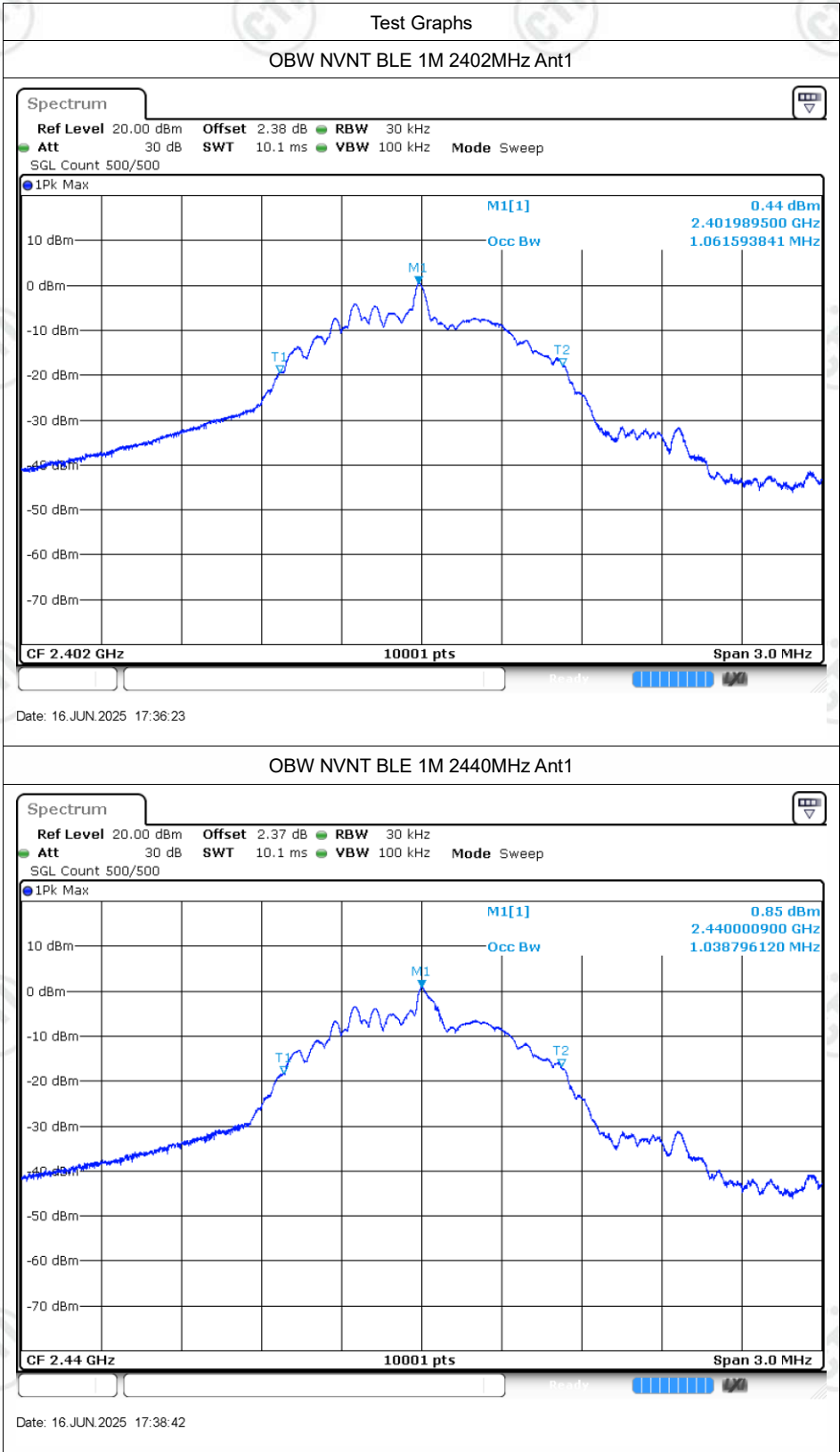
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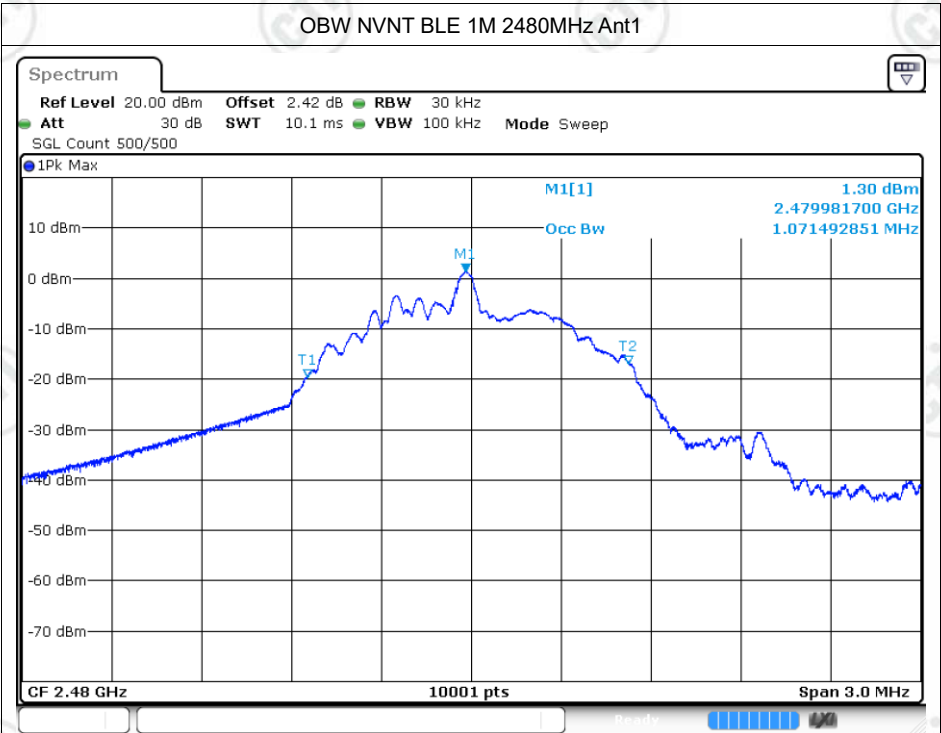


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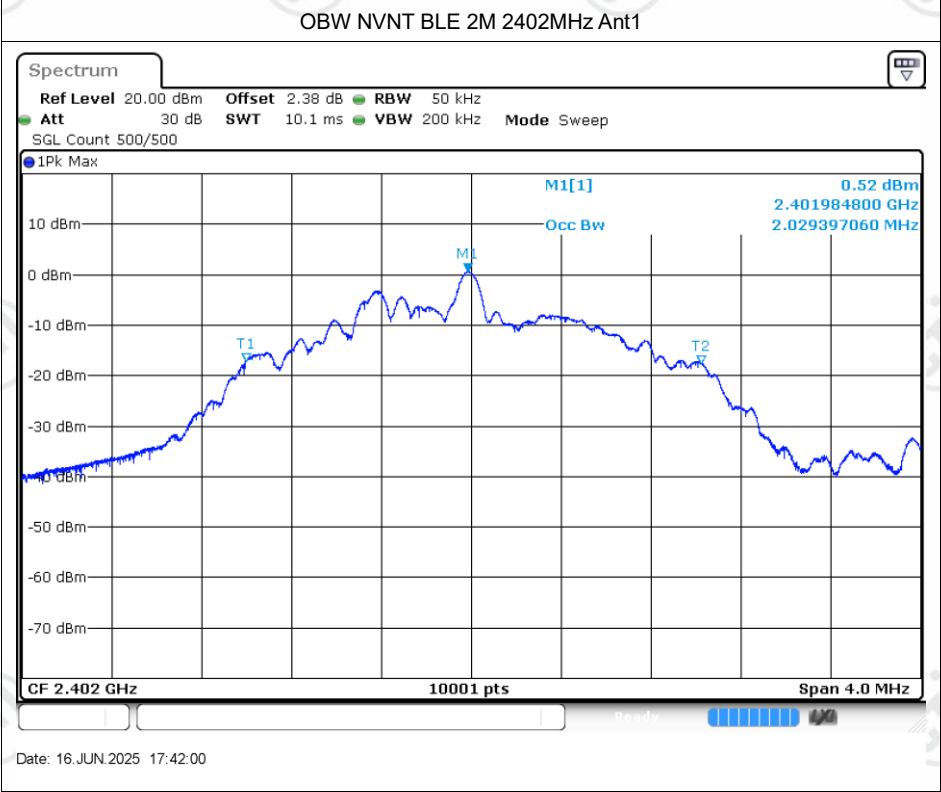
Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	BLE 1M	2402	Ant1	1.062
NVNT	BLE 1M	2440	Ant1	1.039
NVNT	BLE 1M	2480	Ant1	1.071
NVNT	BLE 2M	2402	Ant1	2.029
NVNT	BLE 2M	2440	Ant1	2.023
NVNT	BLE 2M	2480	Ant1	2.007

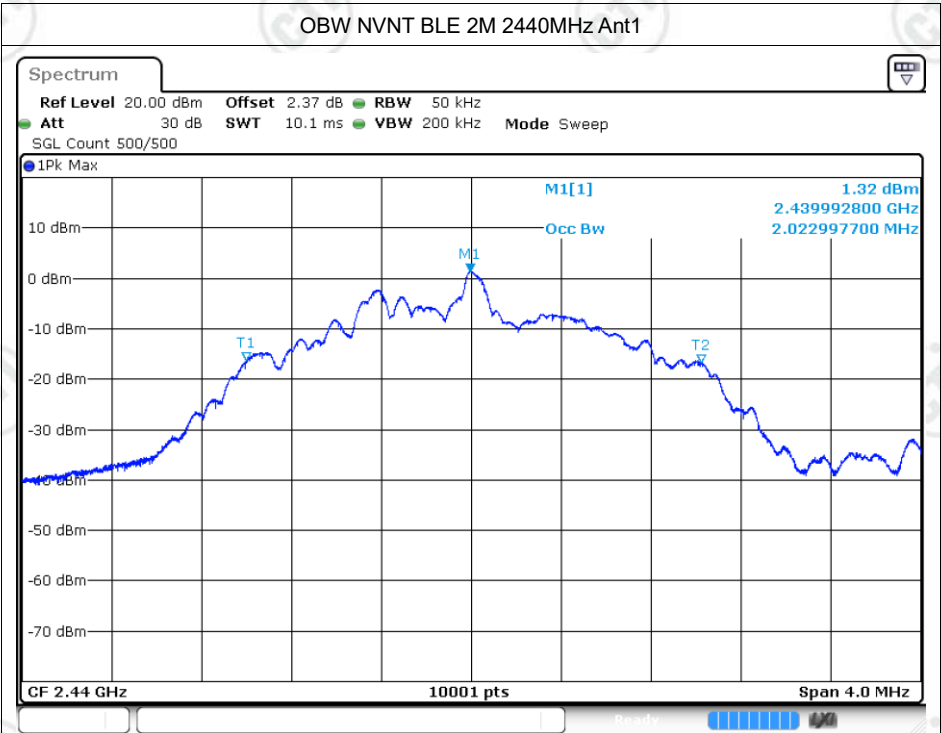




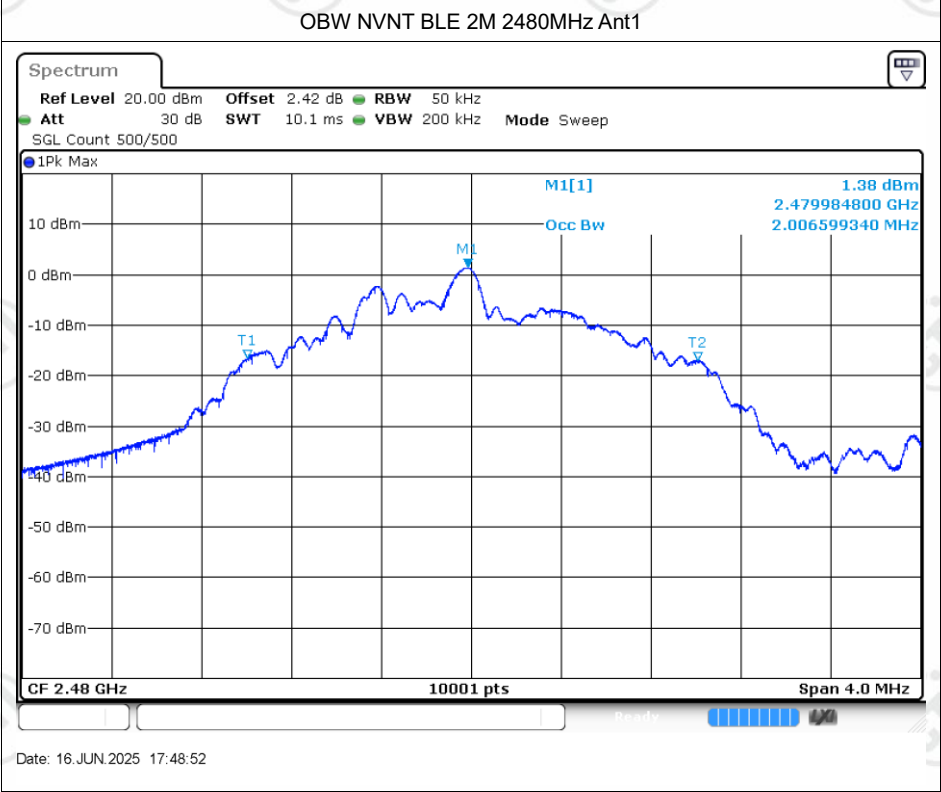
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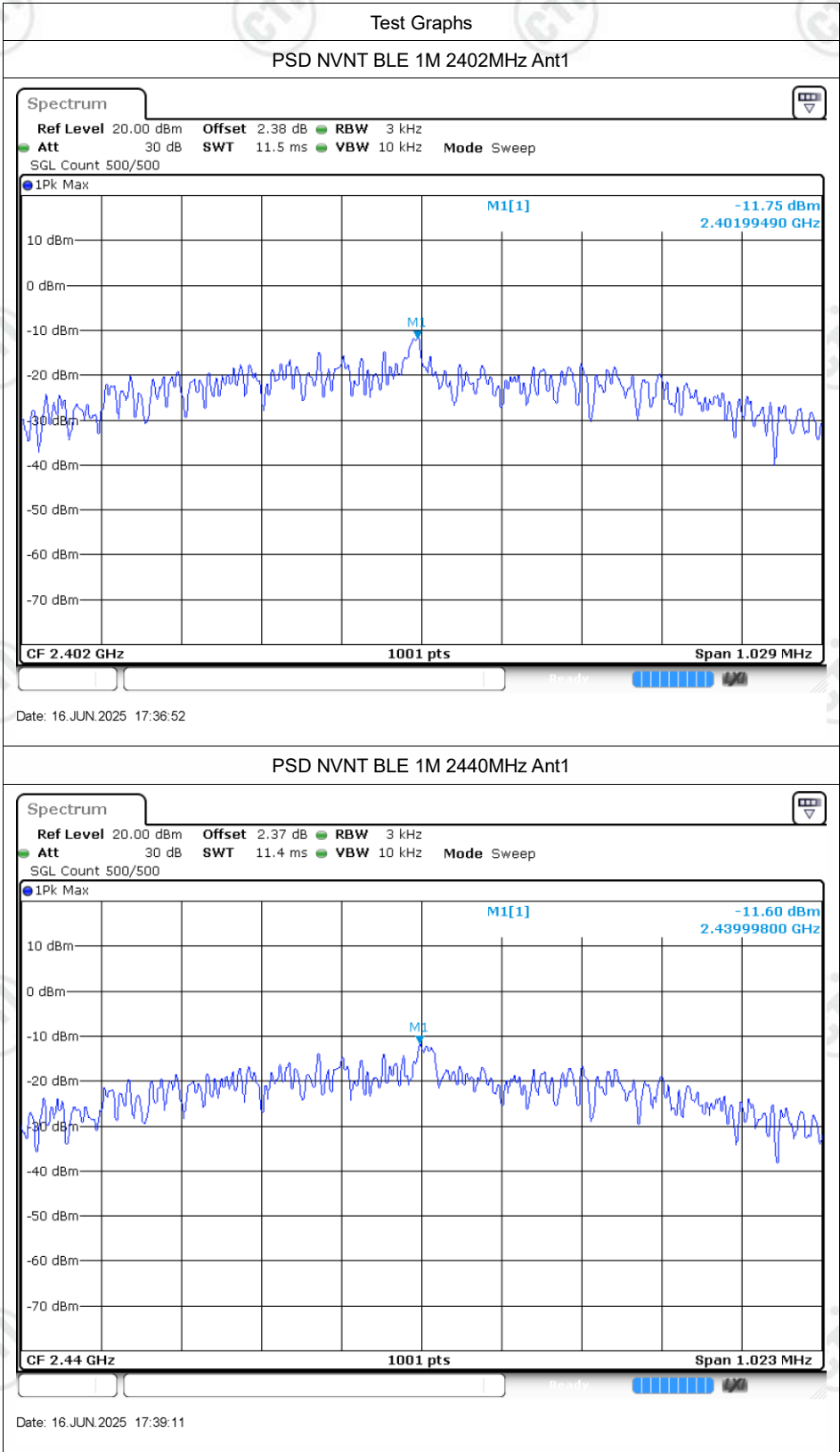
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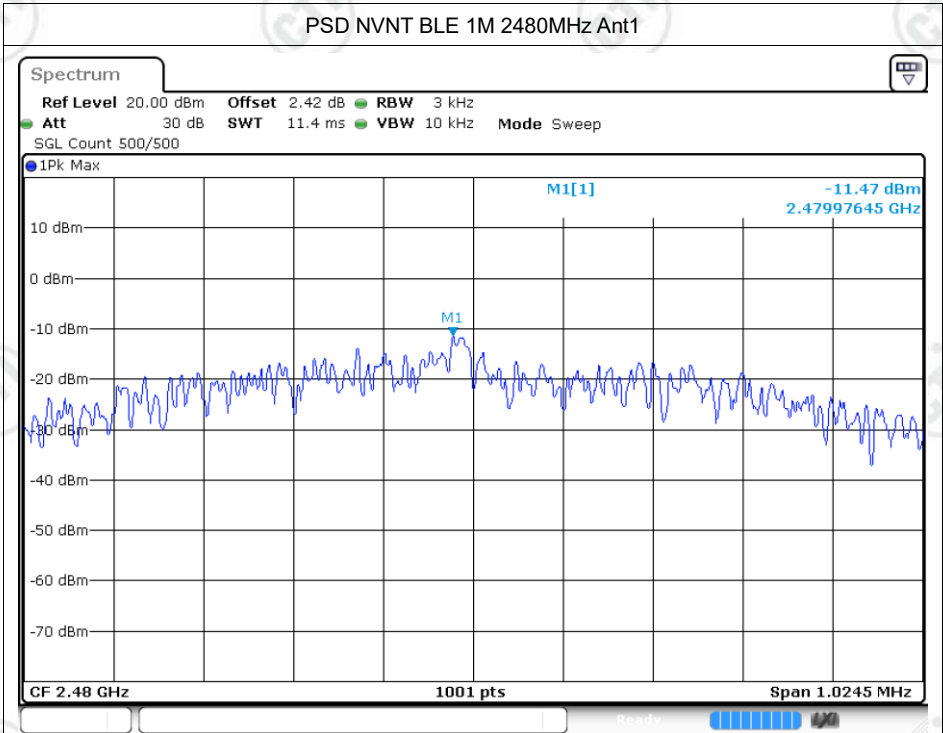


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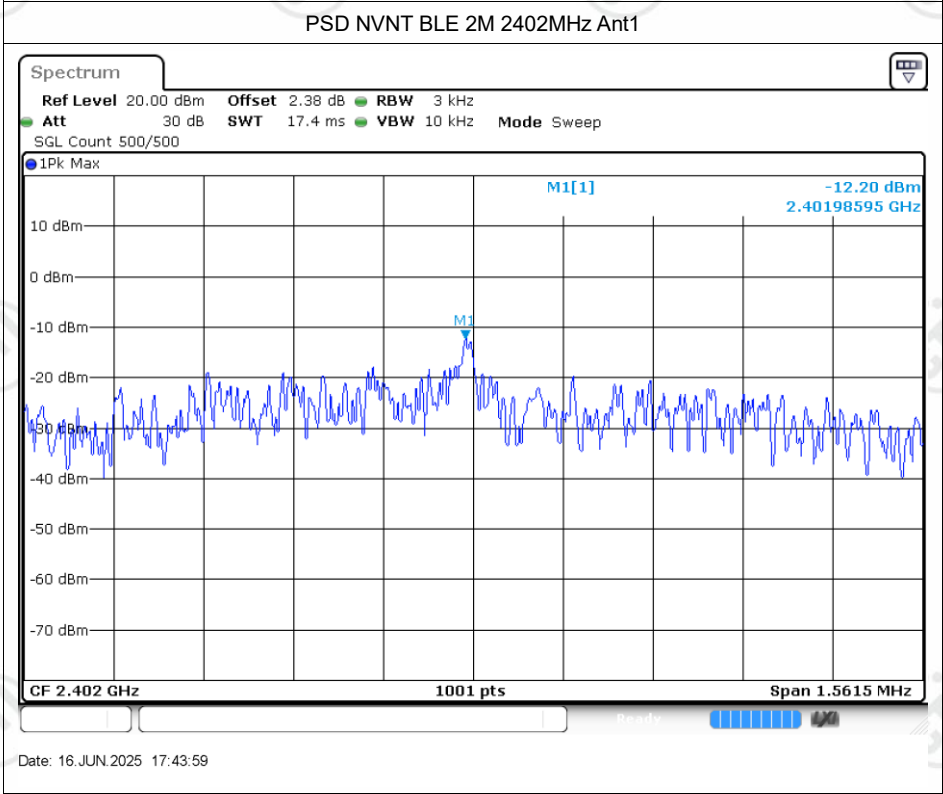
Maximum Power Spectral Density Level

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	-11.75	0	-11.75	8	Pass
NVNT	BLE 1M	2440	Ant1	-11.6	0	-11.6	8	Pass
NVNT	BLE 1M	2480	Ant1	-11.47	0	-11.47	8	Pass
NVNT	BLE 2M	2402	Ant1	-12.2	0	-12.2	8	Pass
NVNT	BLE 2M	2440	Ant1	-10.6	0	-10.6	8	Pass
NVNT	BLE 2M	2480	Ant1	-13.17	0	-13.17	8	Pass

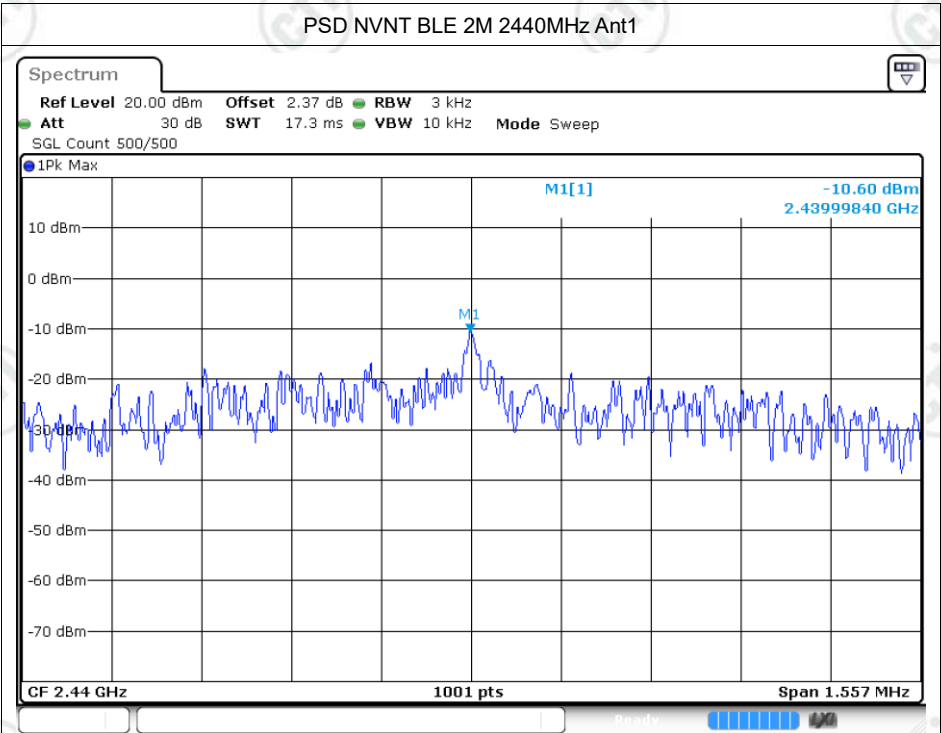




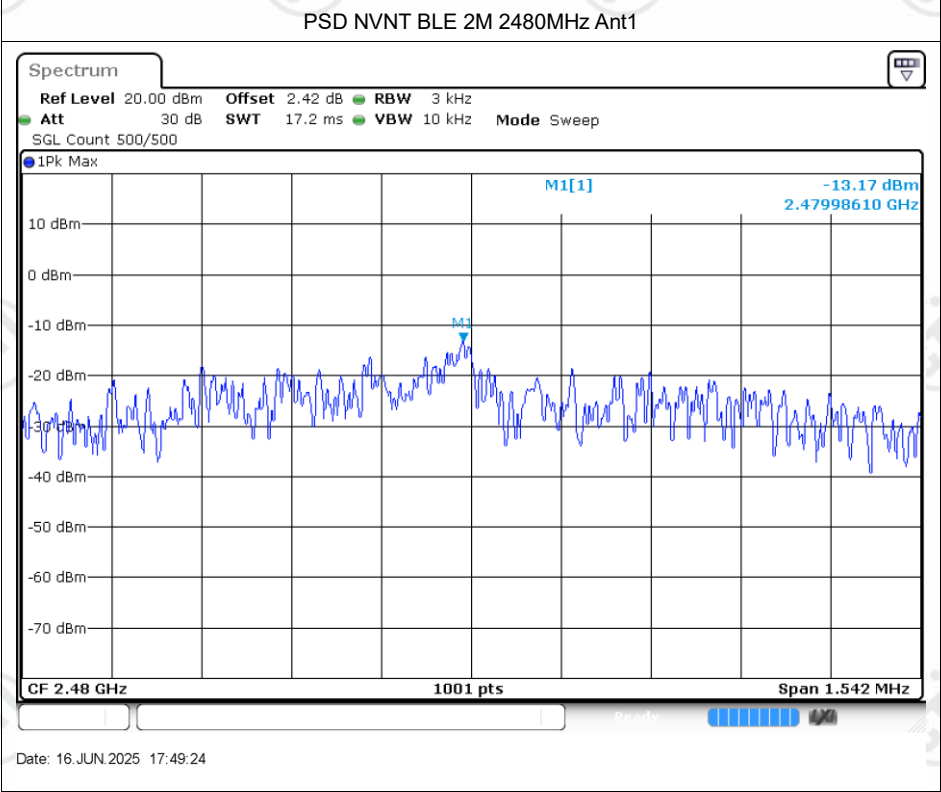
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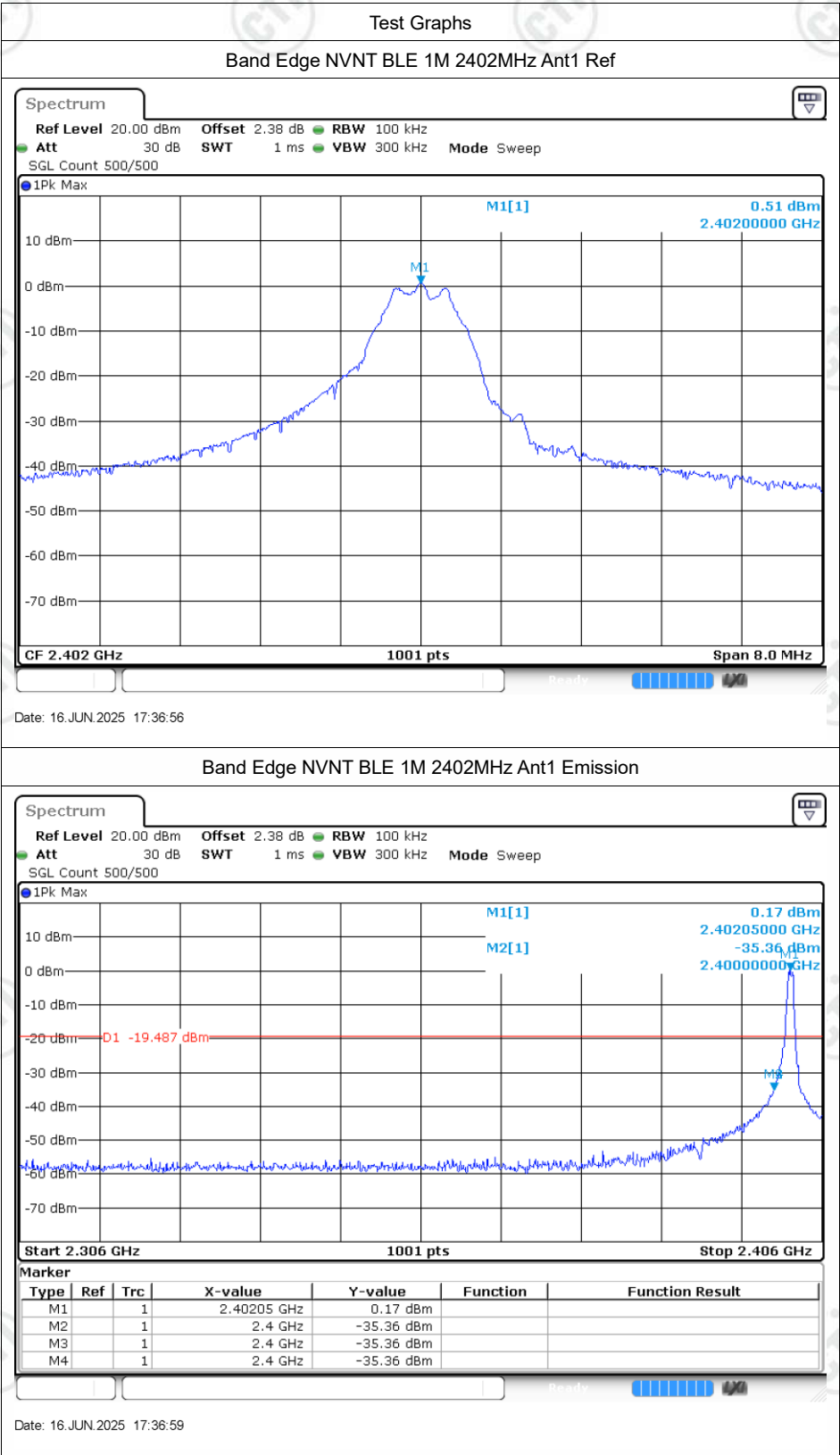
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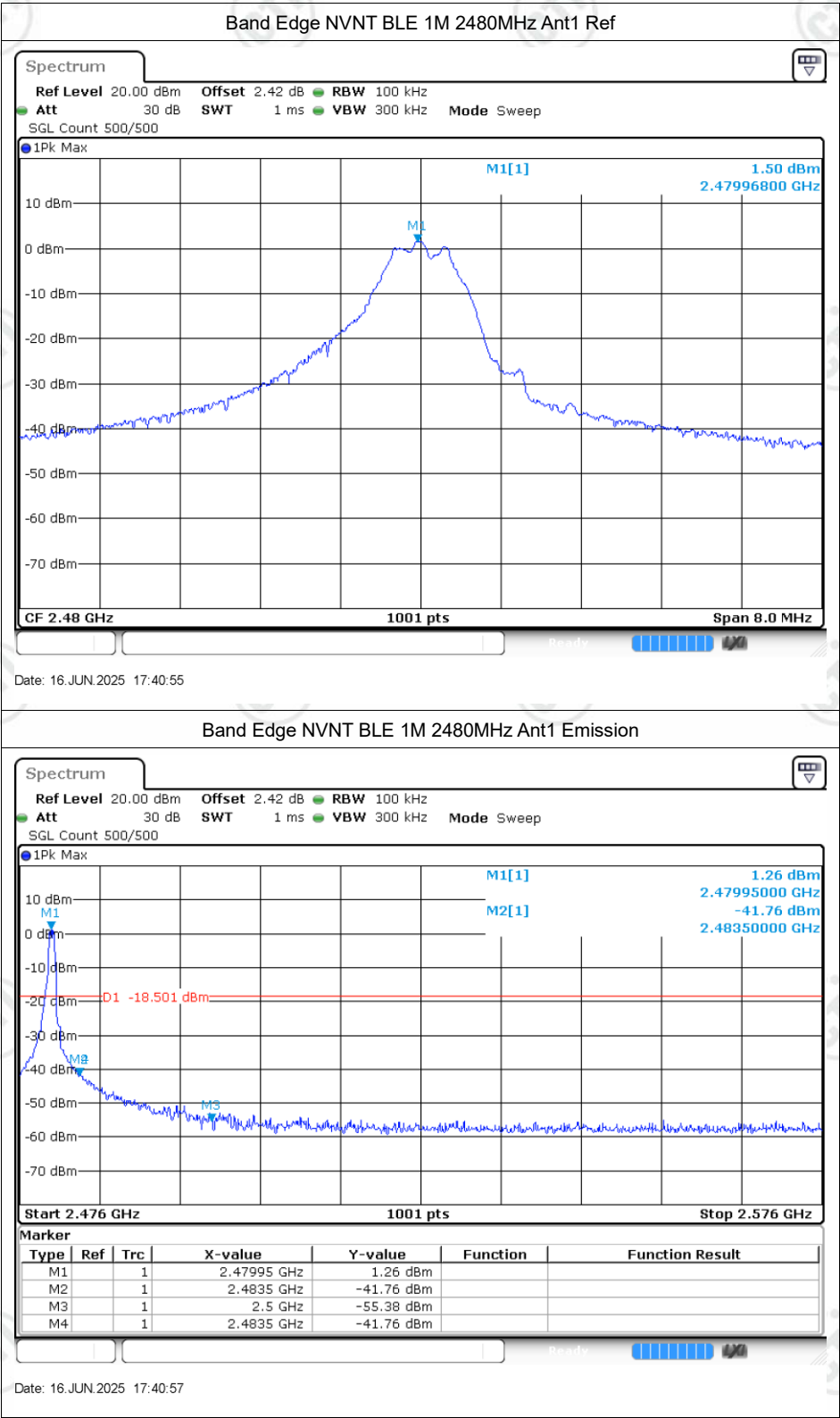


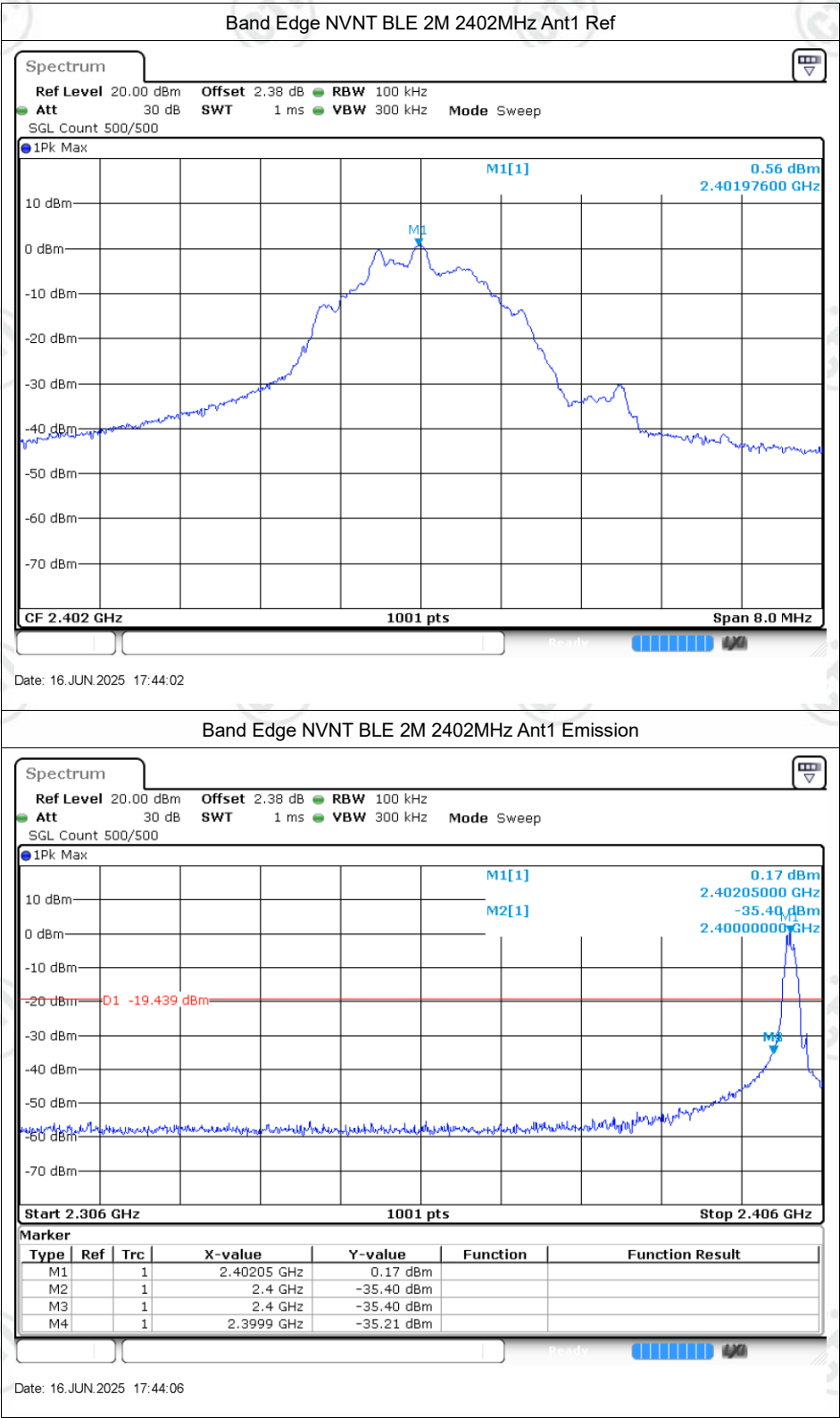
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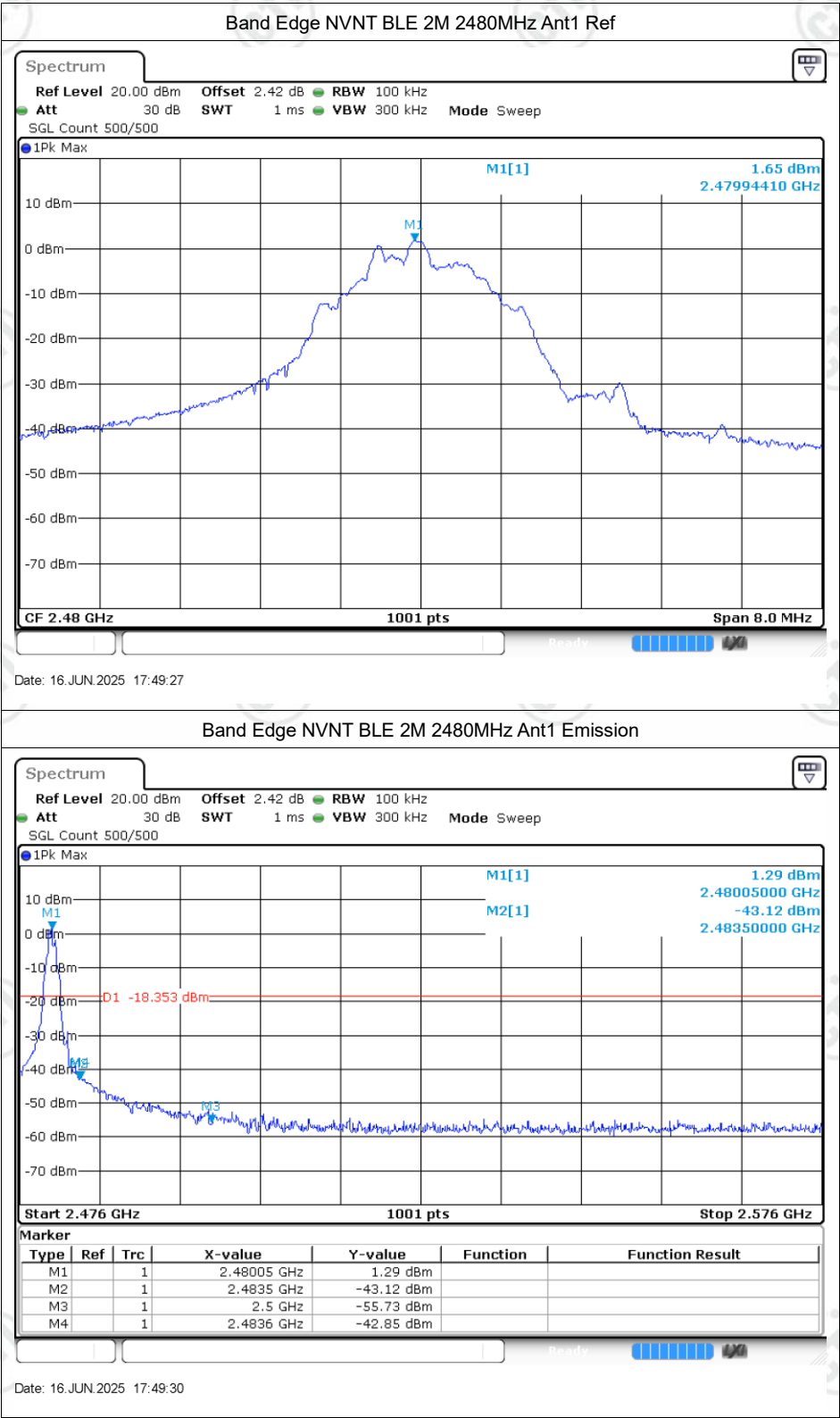
Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE 1M	2402	Ant1	-35.86	-20	Pass
NVNT	BLE 1M	2480	Ant1	-43.26	-20	Pass
NVNT	BLE 2M	2402	Ant1	-35.76	-20	Pass
NVNT	BLE 2M	2480	Ant1	-44.5	-20	Pass



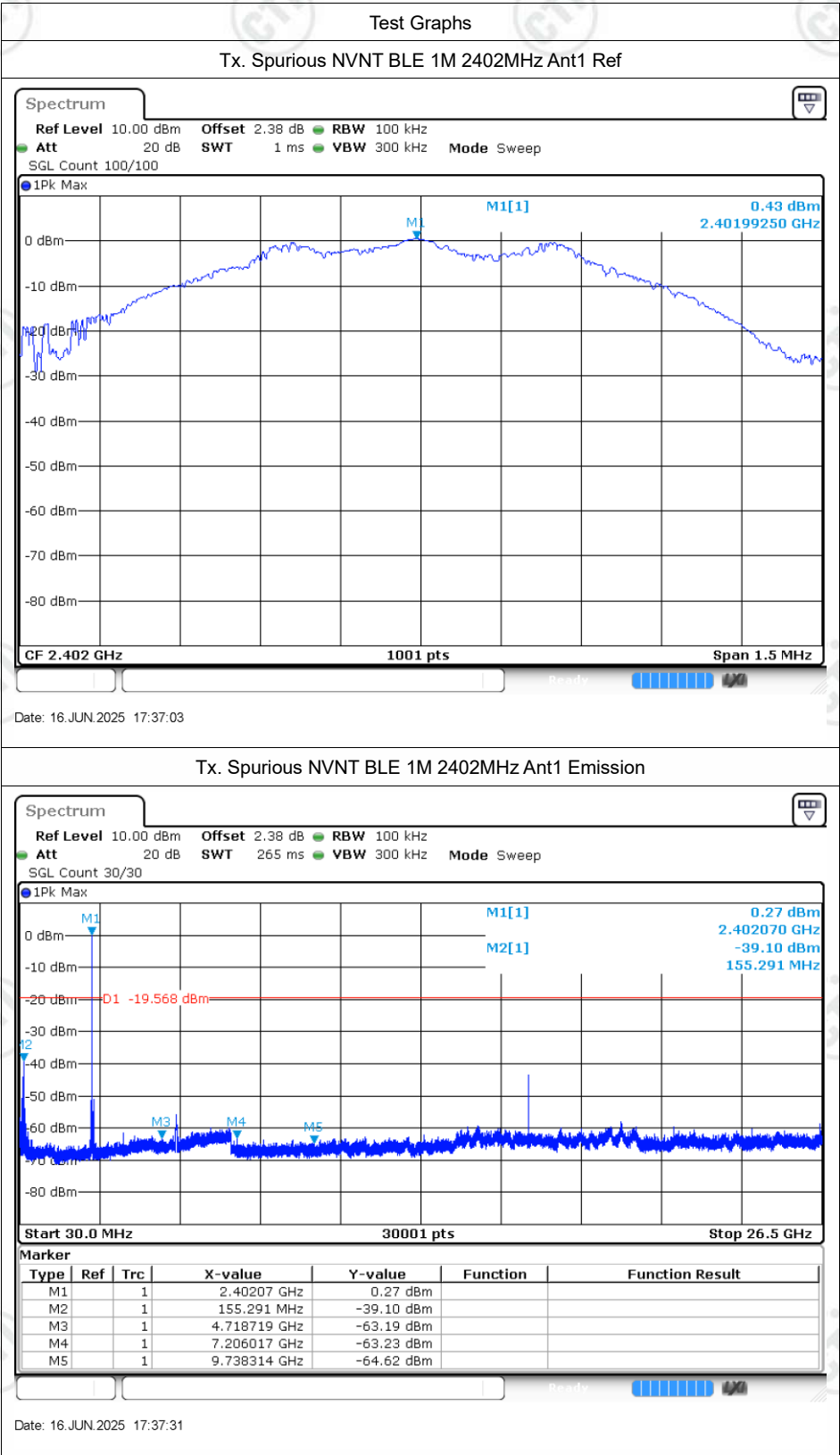


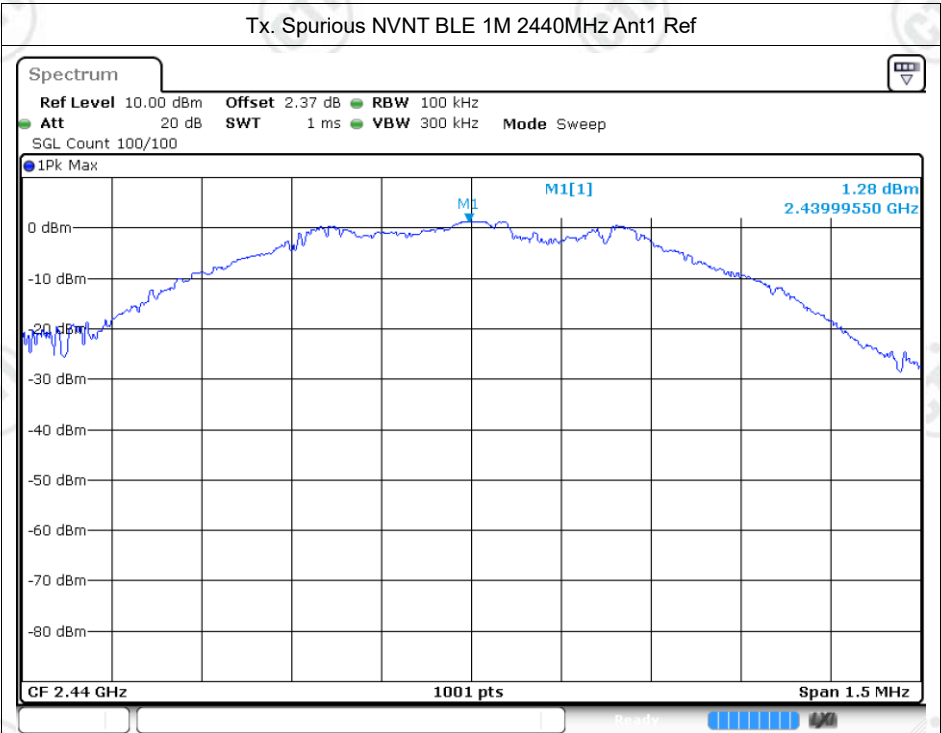




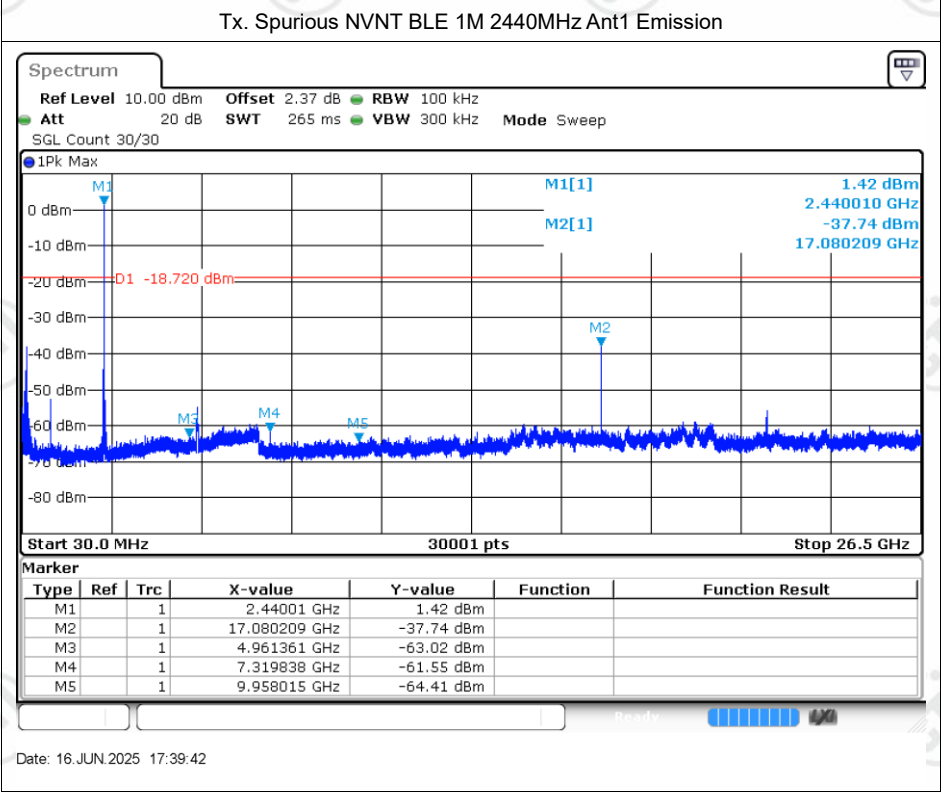
Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE 1M	2402	Ant1	-39.52	-20	Pass
NVNT	BLE 1M	2440	Ant1	-39.02	-20	Pass
NVNT	BLE 1M	2480	Ant1	-33.06	-20	Pass
NVNT	BLE 2M	2402	Ant1	-25.57	-20	Pass
NVNT	BLE 2M	2440	Ant1	-39.02	-20	Pass
NVNT	BLE 2M	2480	Ant1	-39.9	-20	Pass

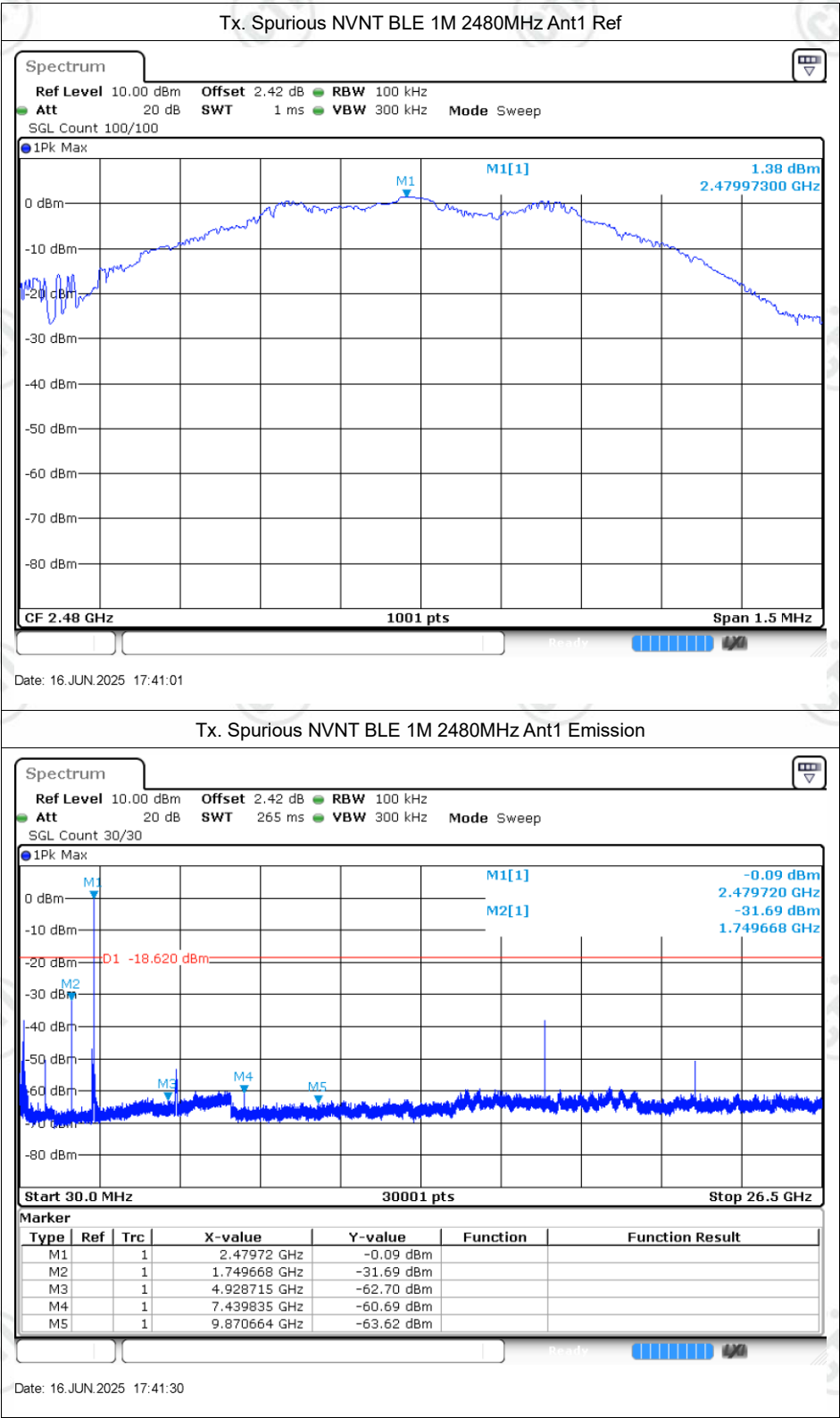


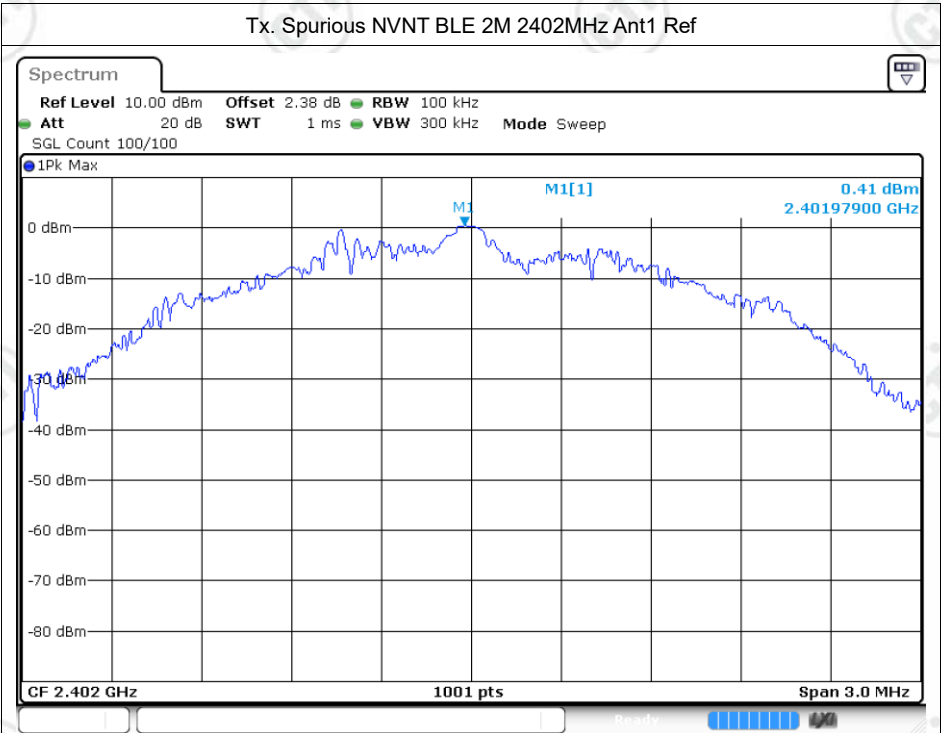


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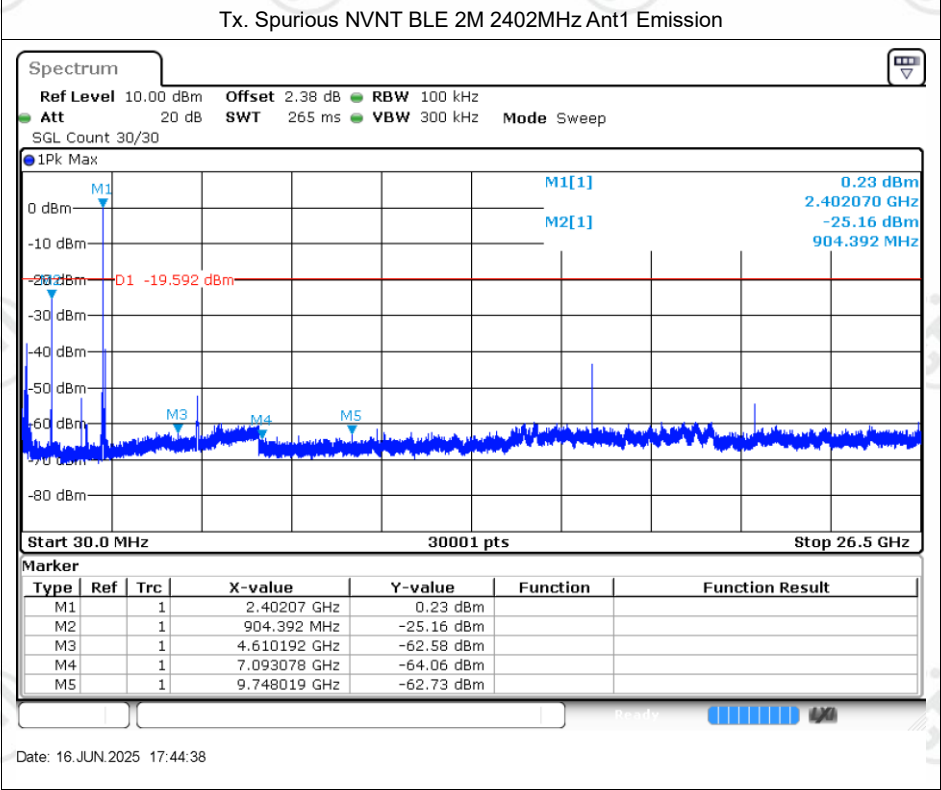


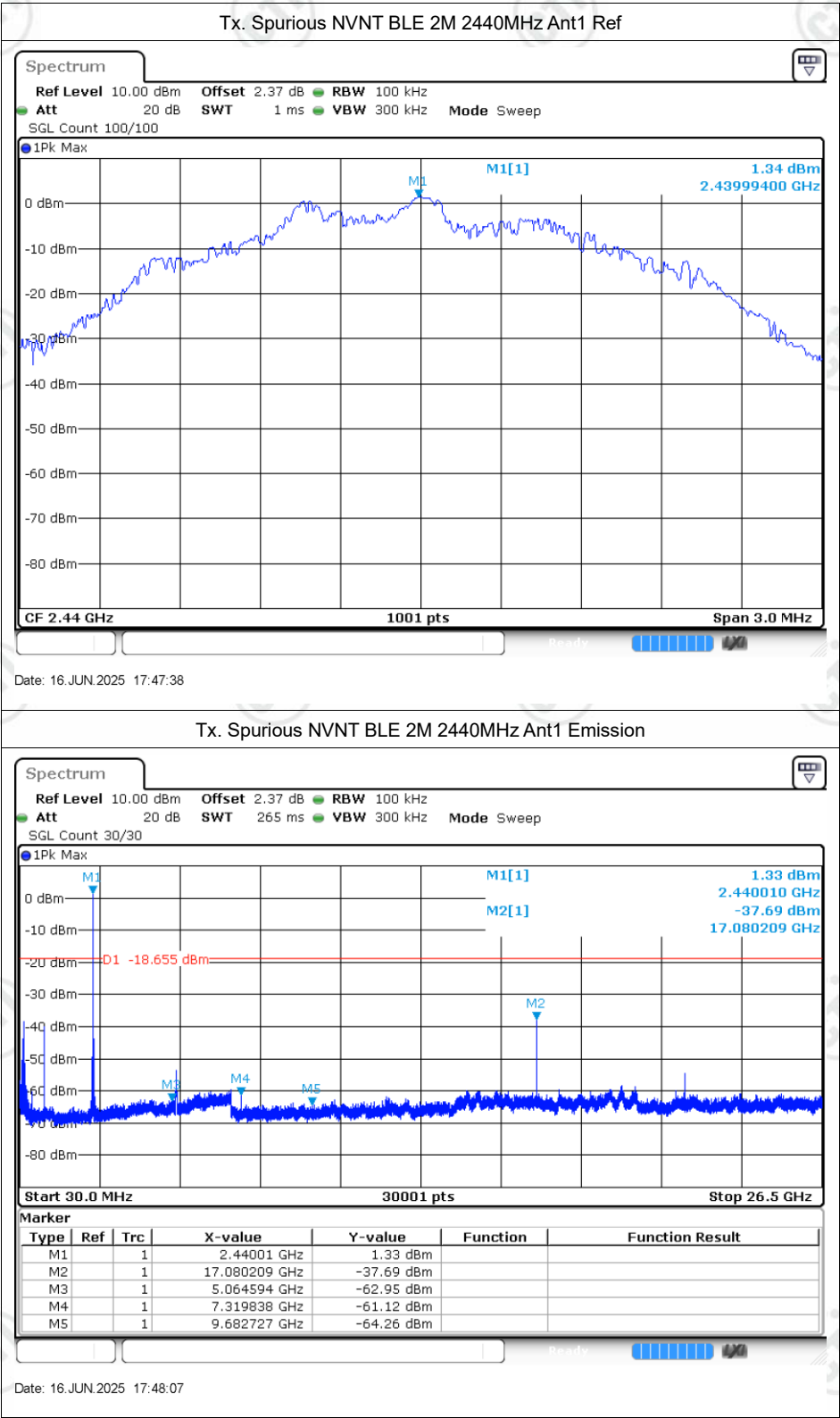
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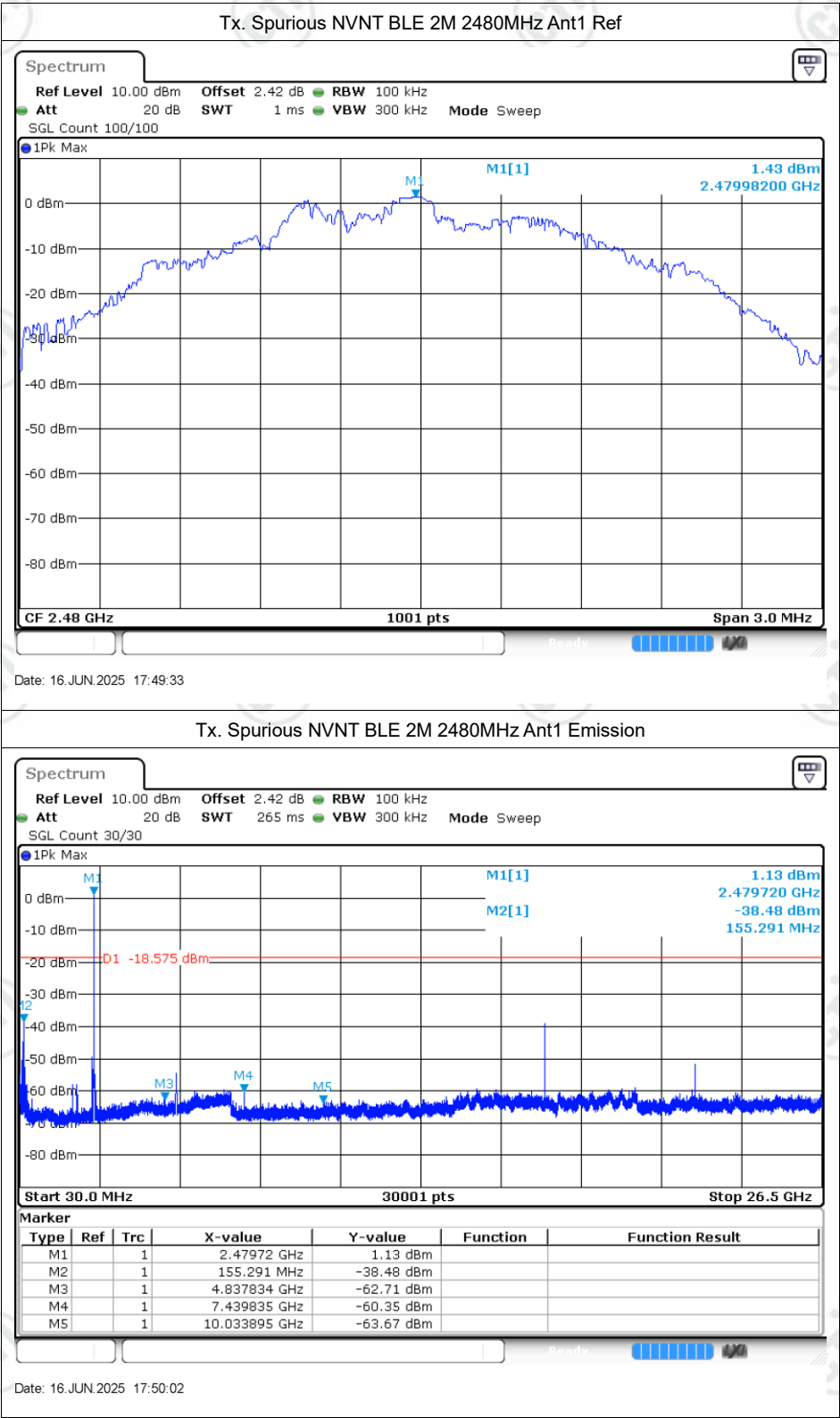




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