

Appendix: Bluetooth LE

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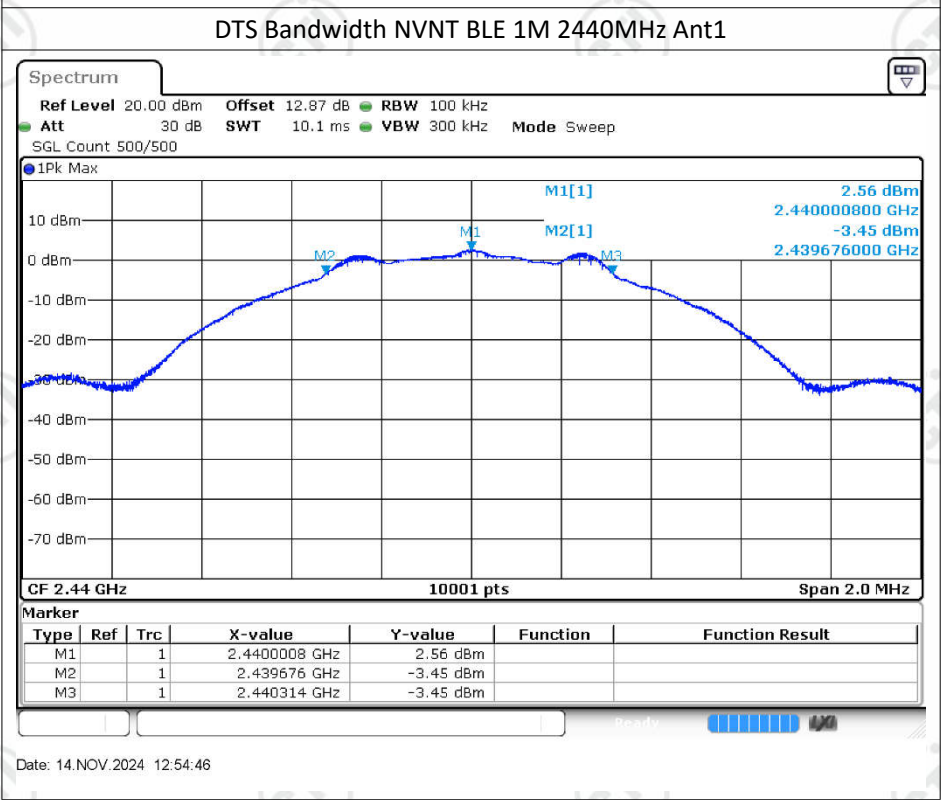
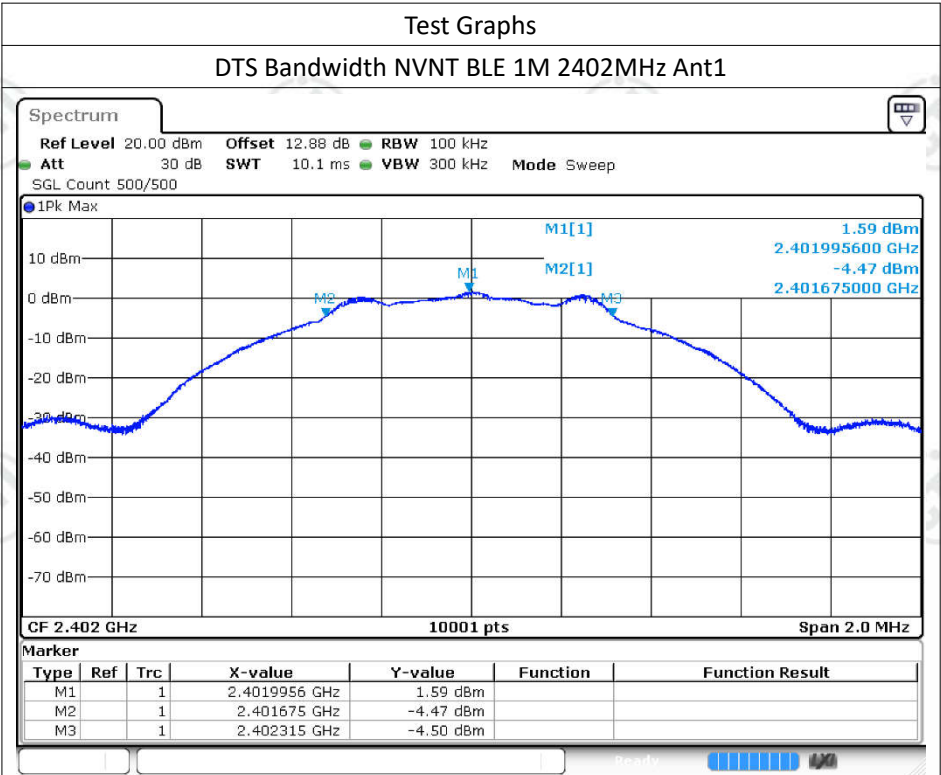
 Test Result 31

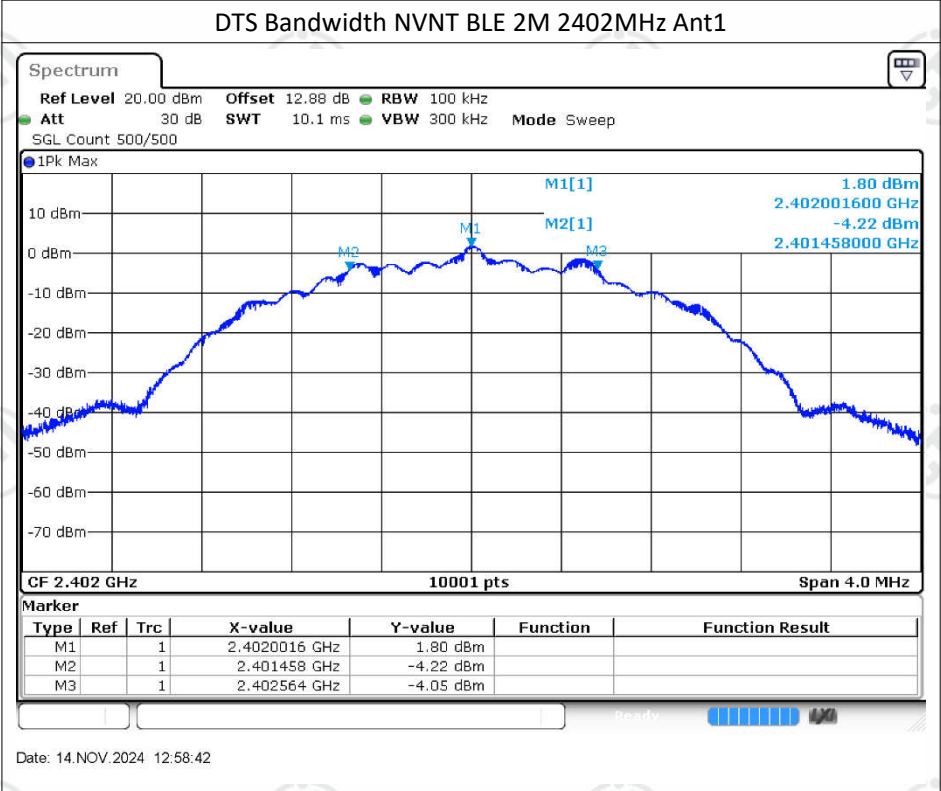
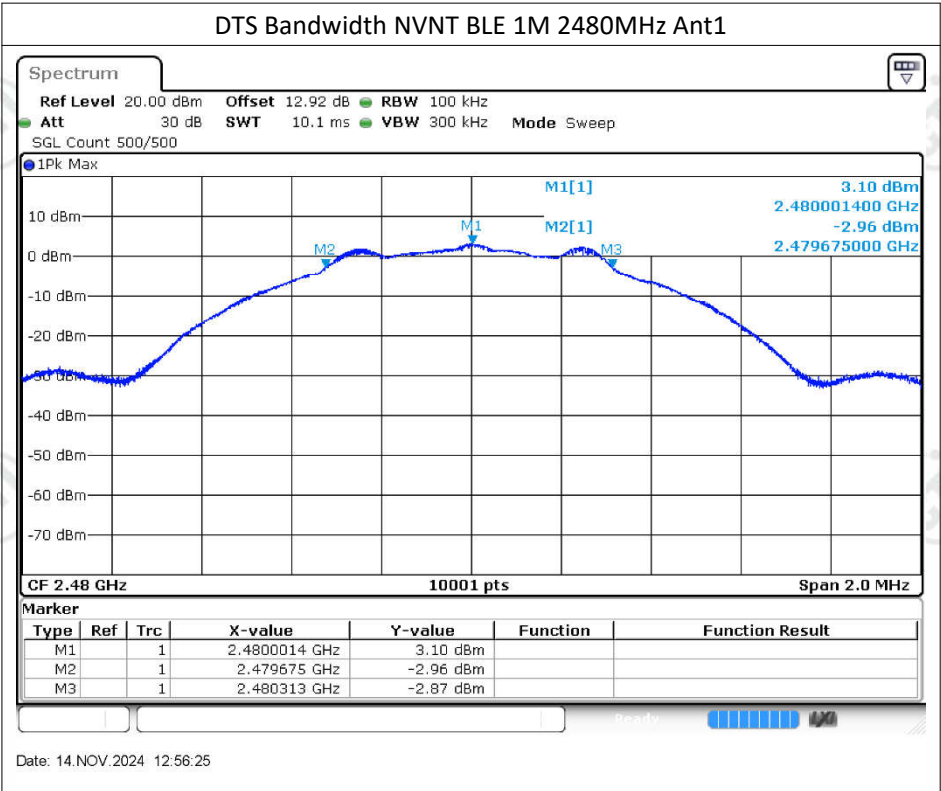
 Test Graphs 31

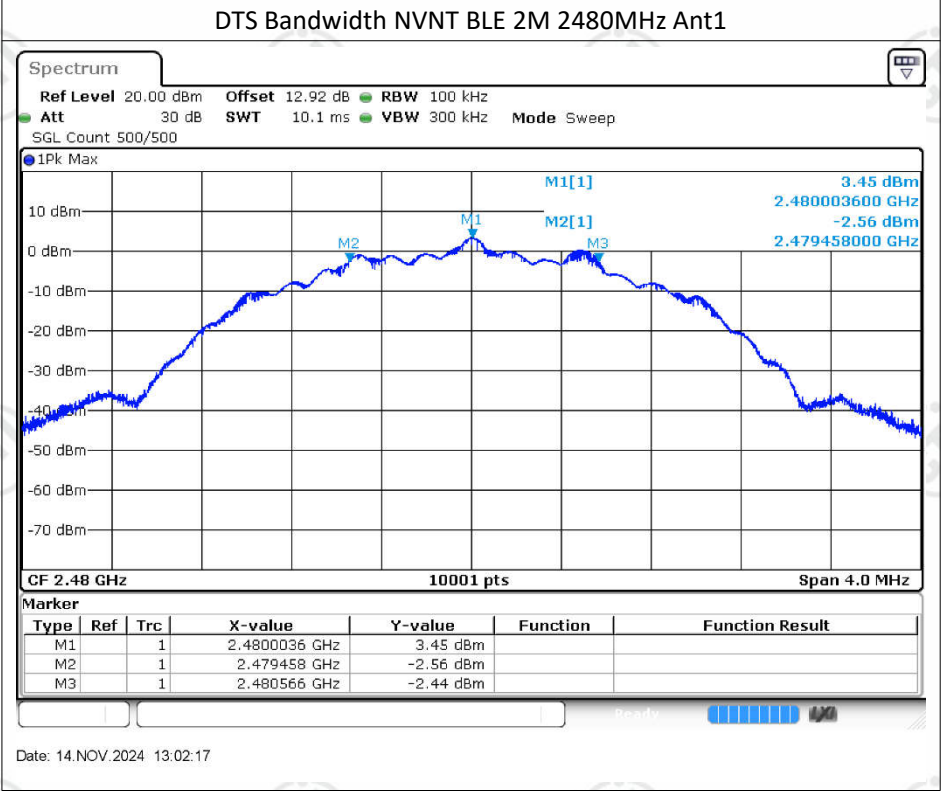
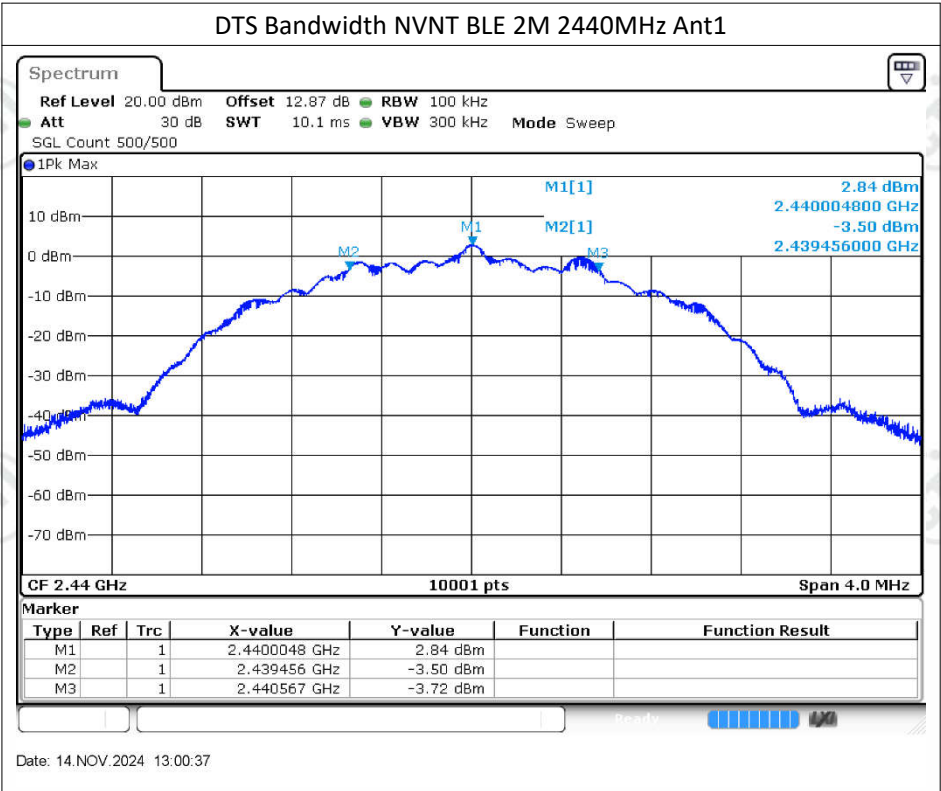
Appendix A: DTS Bandwidth

Test Result

Condition	Mode	Frequency (MHz)	Antenna	DTS Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	BLE 1M	2402	Ant1	0.639	0.5	Pass
NVNT	BLE 1M	2440	Ant1	0.639	0.5	Pass
NVNT	BLE 1M	2480	Ant1	0.638	0.5	Pass
NVNT	BLE 2M	2402	Ant1	1.106	0.5	Pass
NVNT	BLE 2M	2440	Ant1	1.11	0.5	Pass
NVNT	BLE 2M	2480	Ant1	1.108	0.5	Pass





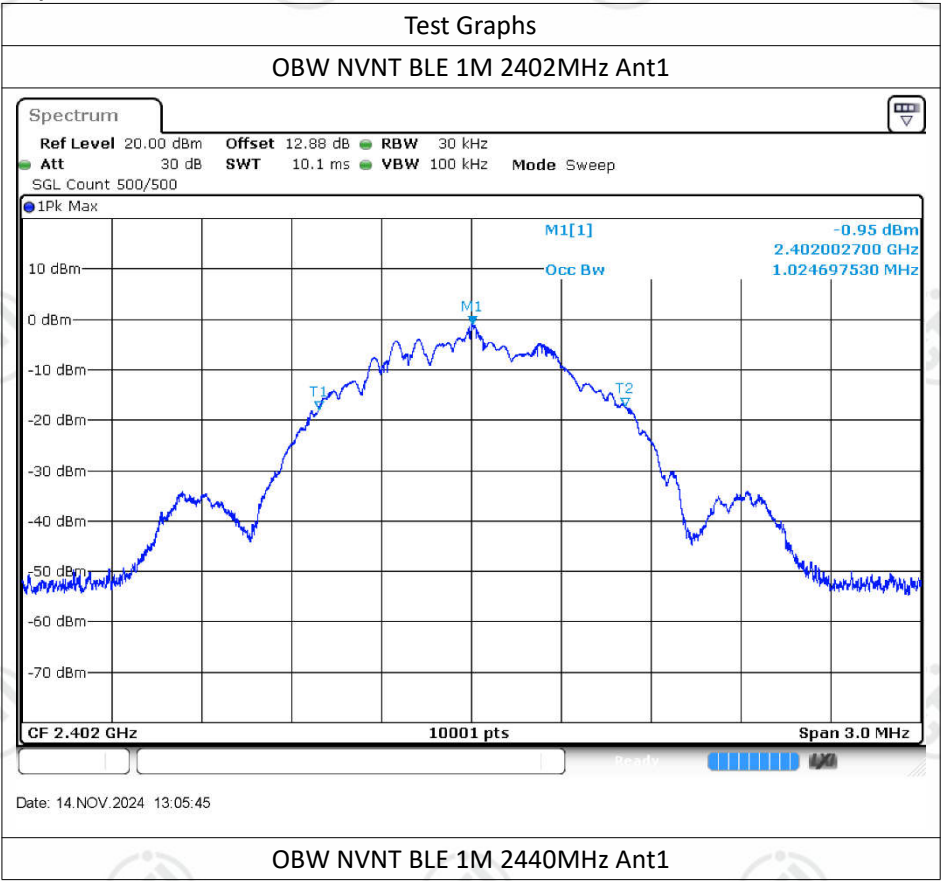


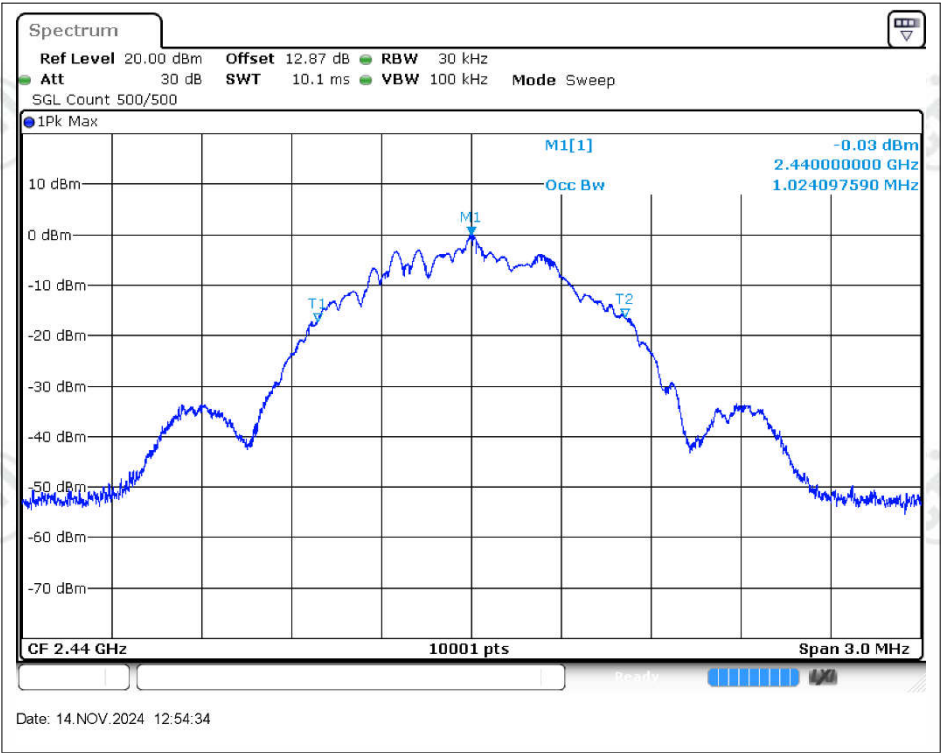
Appendix B: Occupied Channel Bandwidth

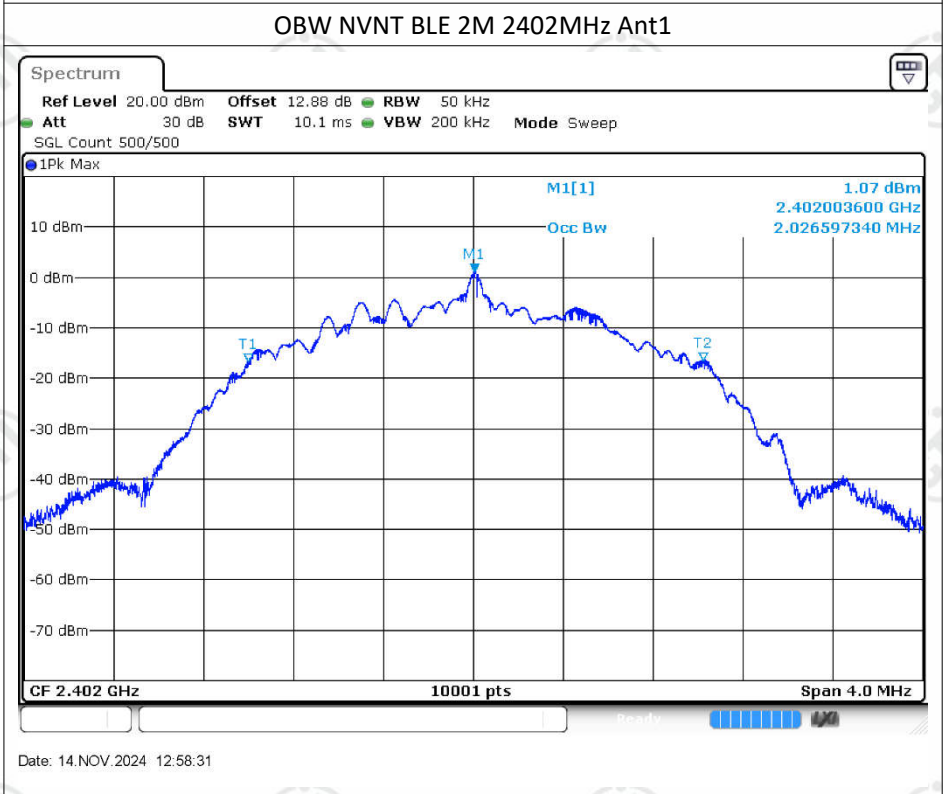
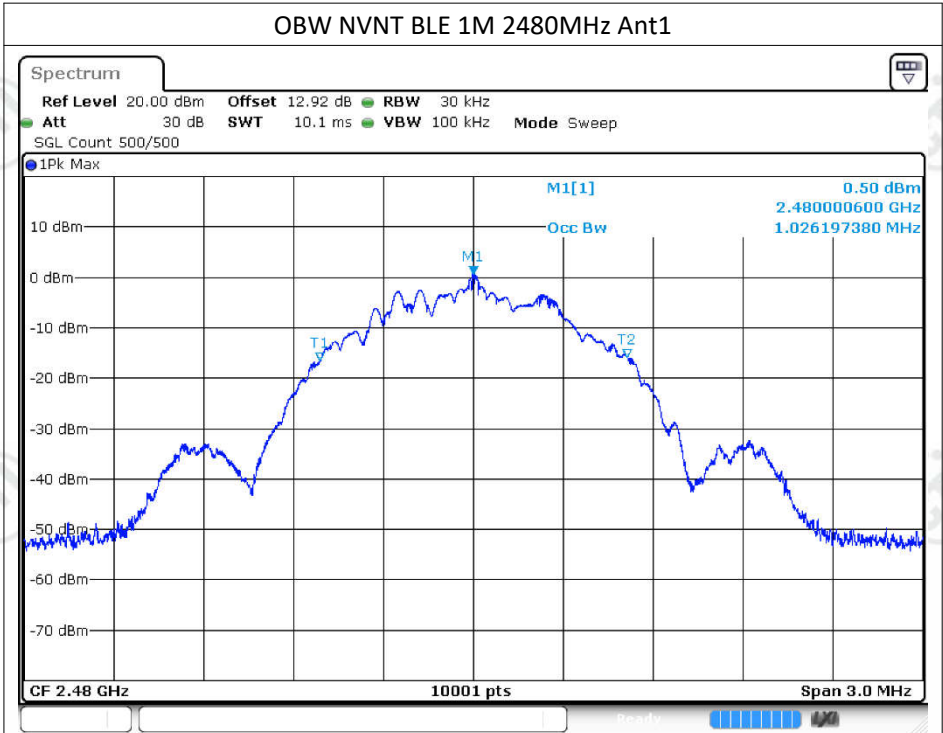
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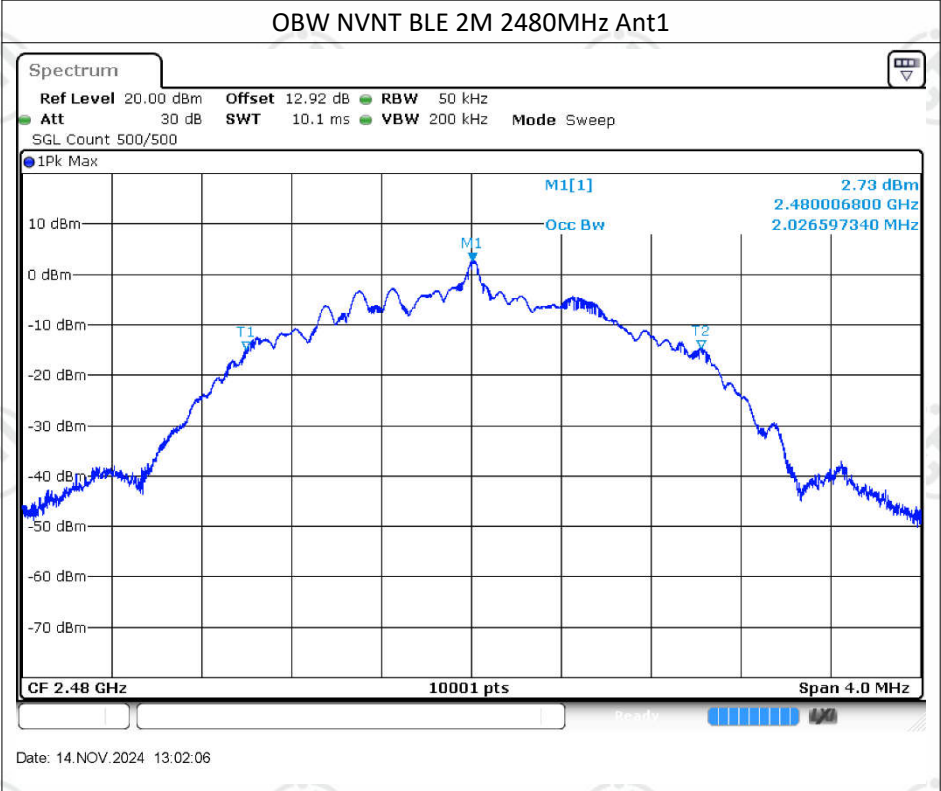
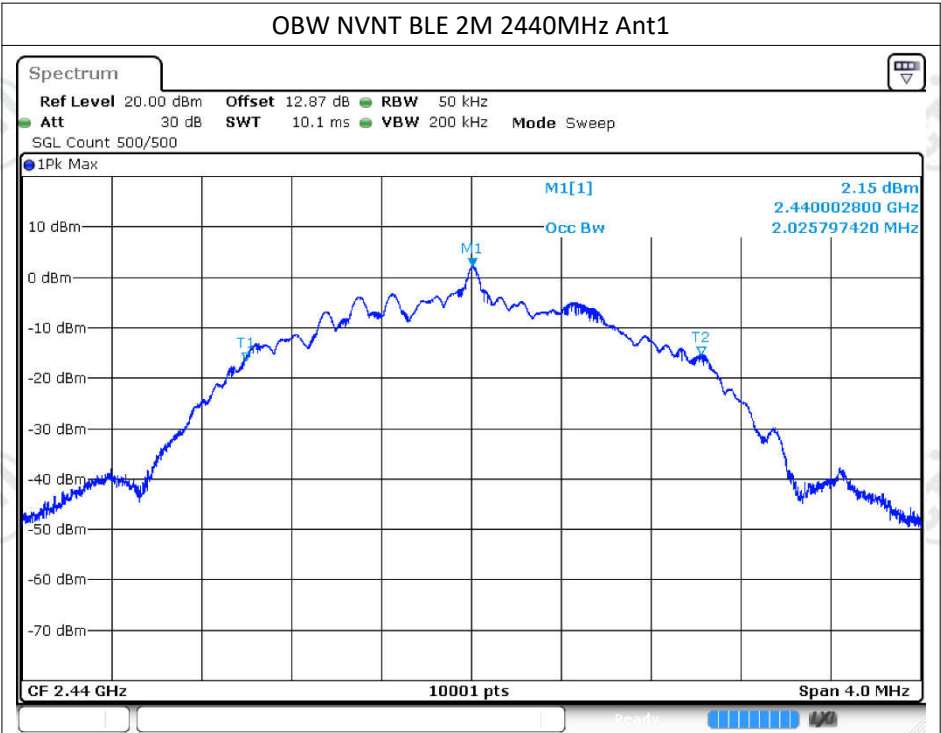
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	BLE 1M	2402	Ant1	1.025
NVNT	BLE 1M	2440	Ant1	1.024
NVNT	BLE 1M	2480	Ant1	1.026
NVNT	BLE 2M	2402	Ant1	2.027
NVNT	BLE 2M	2440	Ant1	2.026
NVNT	BLE 2M	2480	Ant1	2.027

Test Graphs







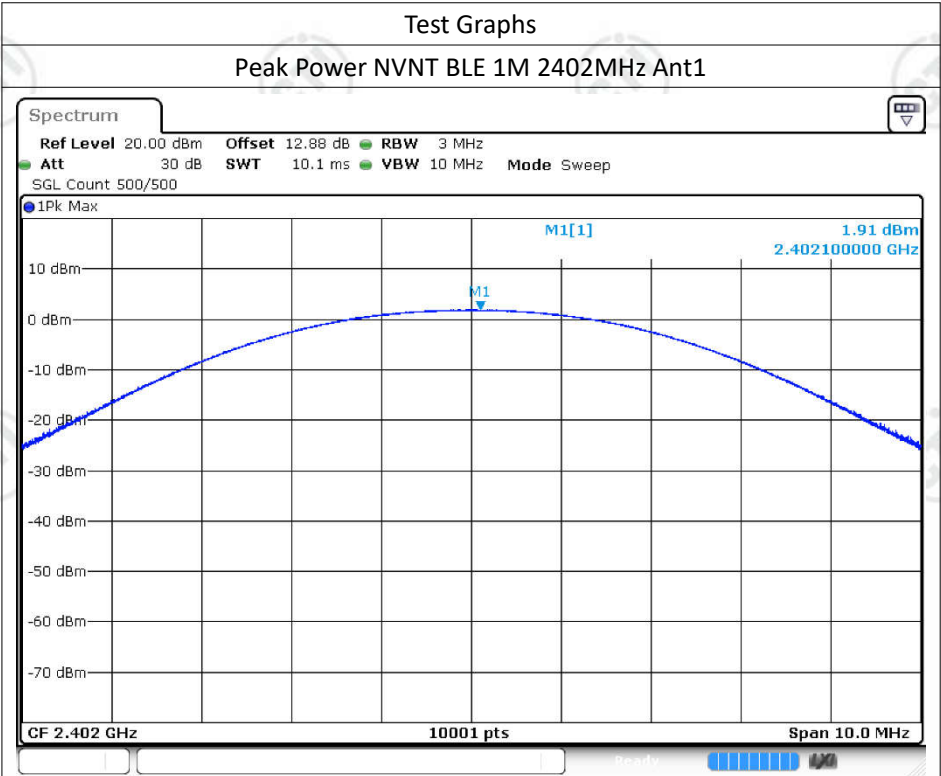


Appendix C: Maximum conducted output power

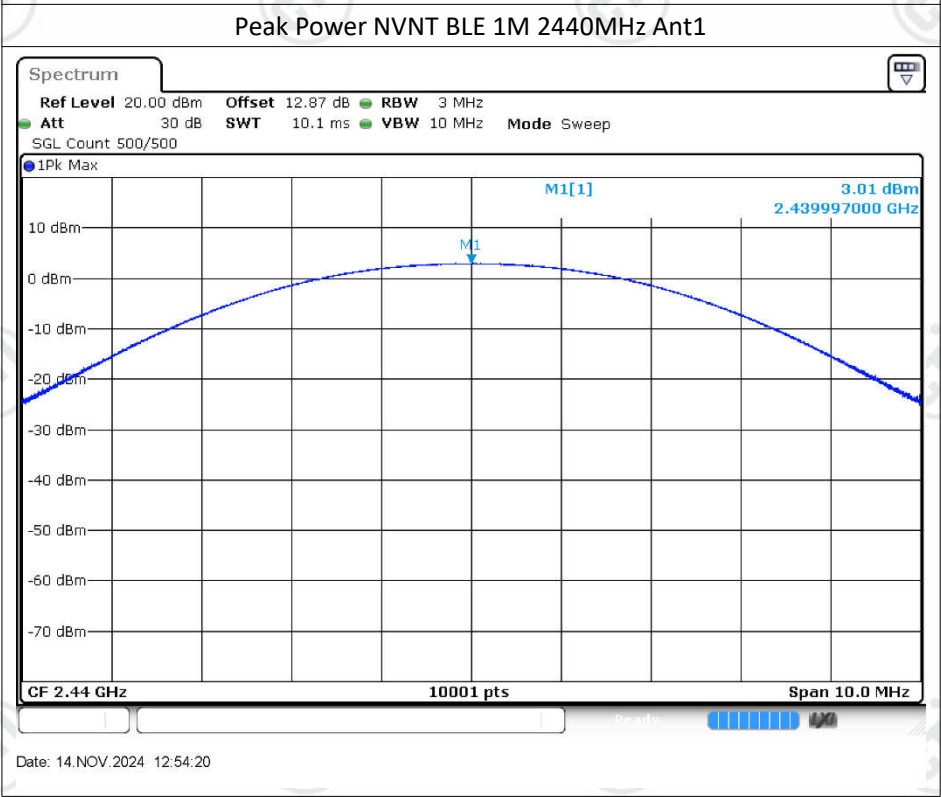
Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	1.91	≤30	PASS
BLE_1M	Ant1	2440	3.01	≤30	PASS
BLE_1M	Ant1	2480	3.52	≤30	PASS
BLE_2M	Ant1	2402	2.12	≤30	PASS
BLE_2M	Ant1	2440	3.2	≤30	PASS
BLE_2M	Ant1	2480	3.75	≤30	PASS

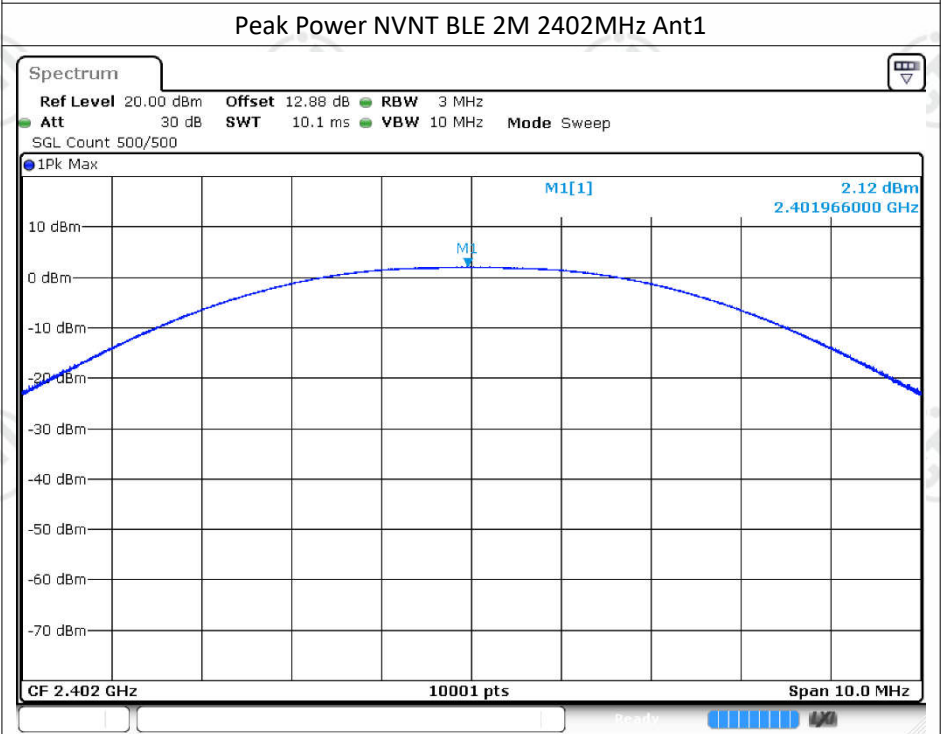
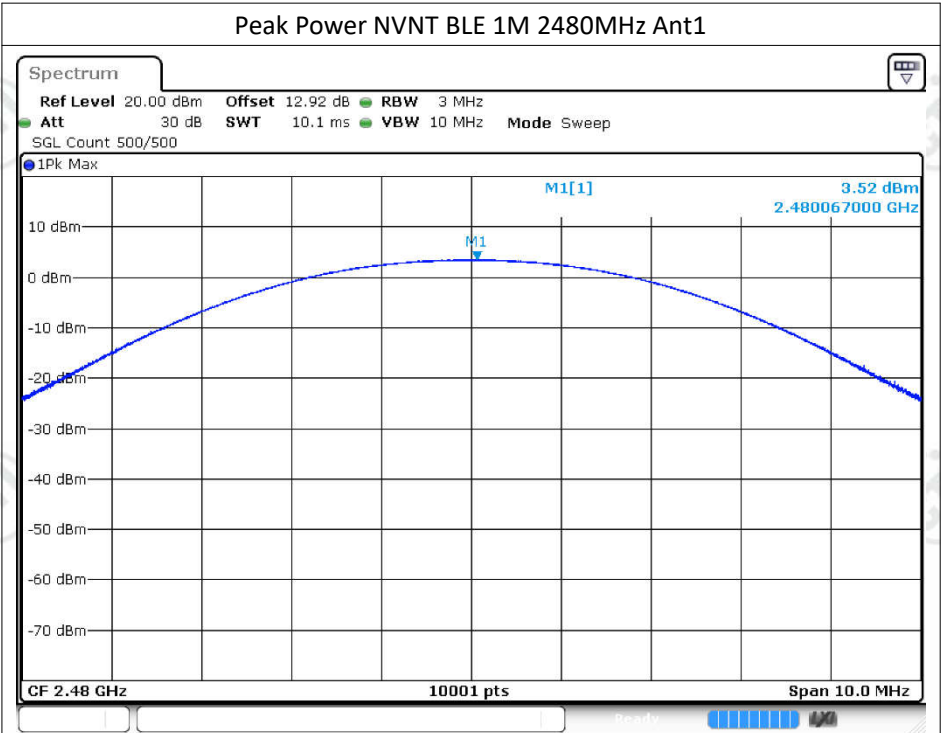
Test Graphs Peak

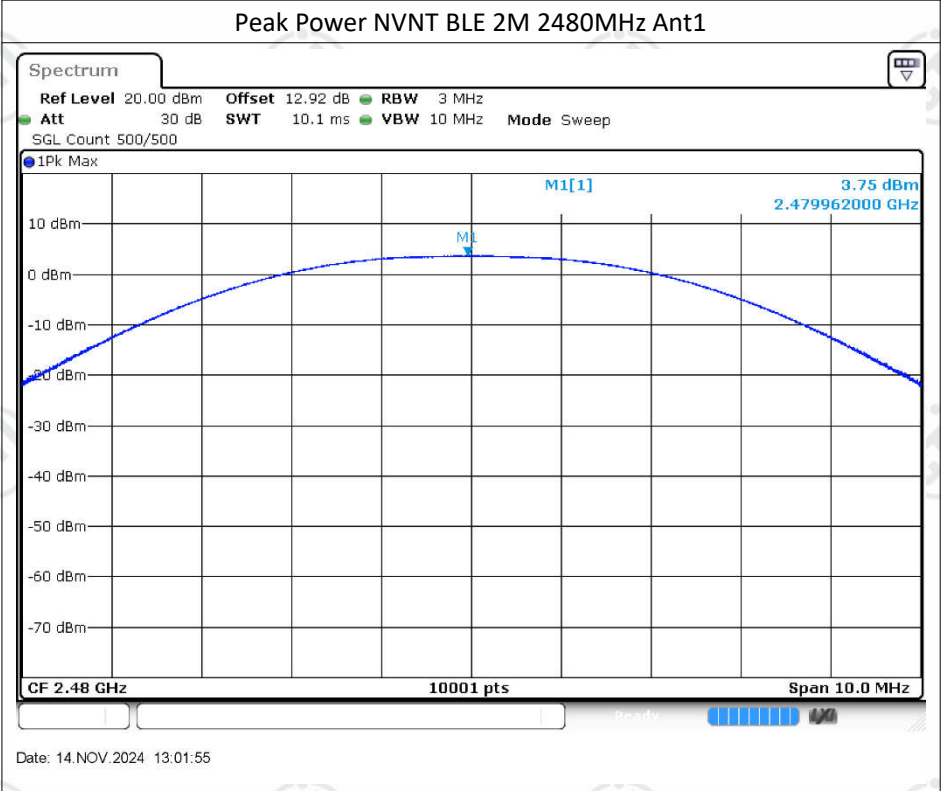
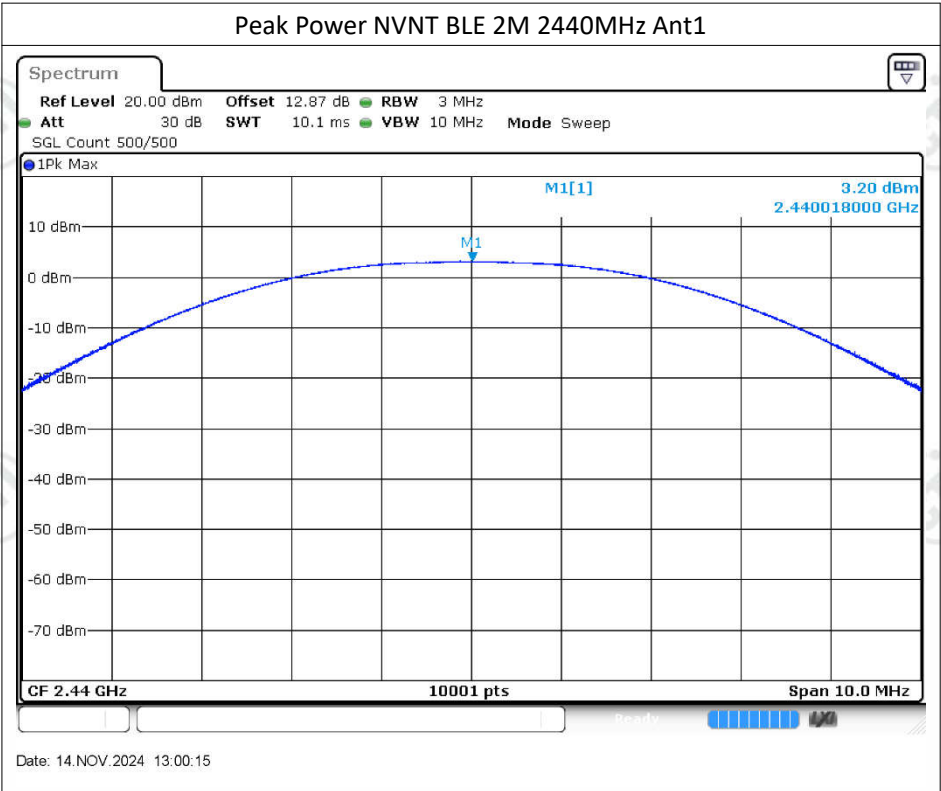


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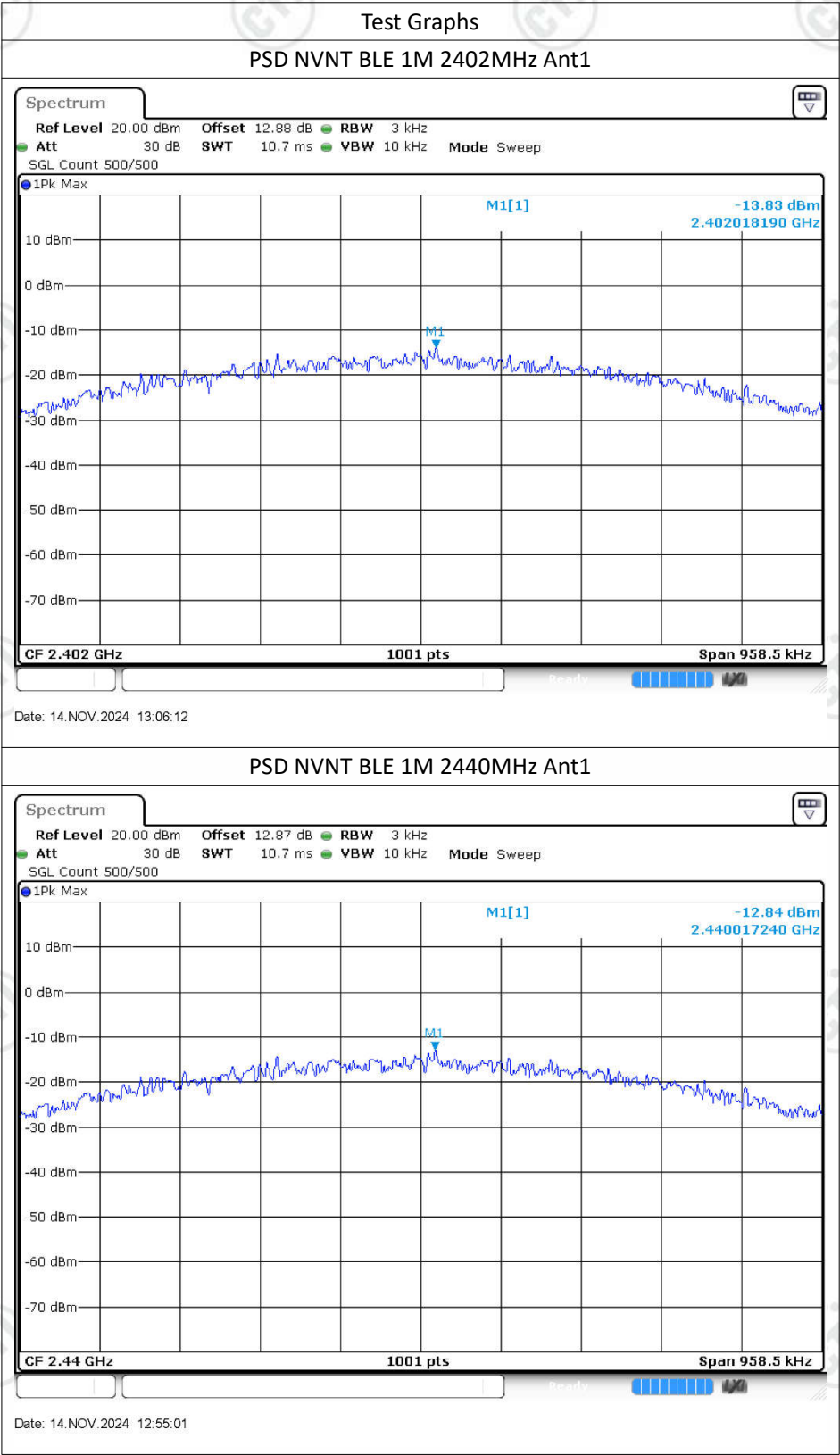


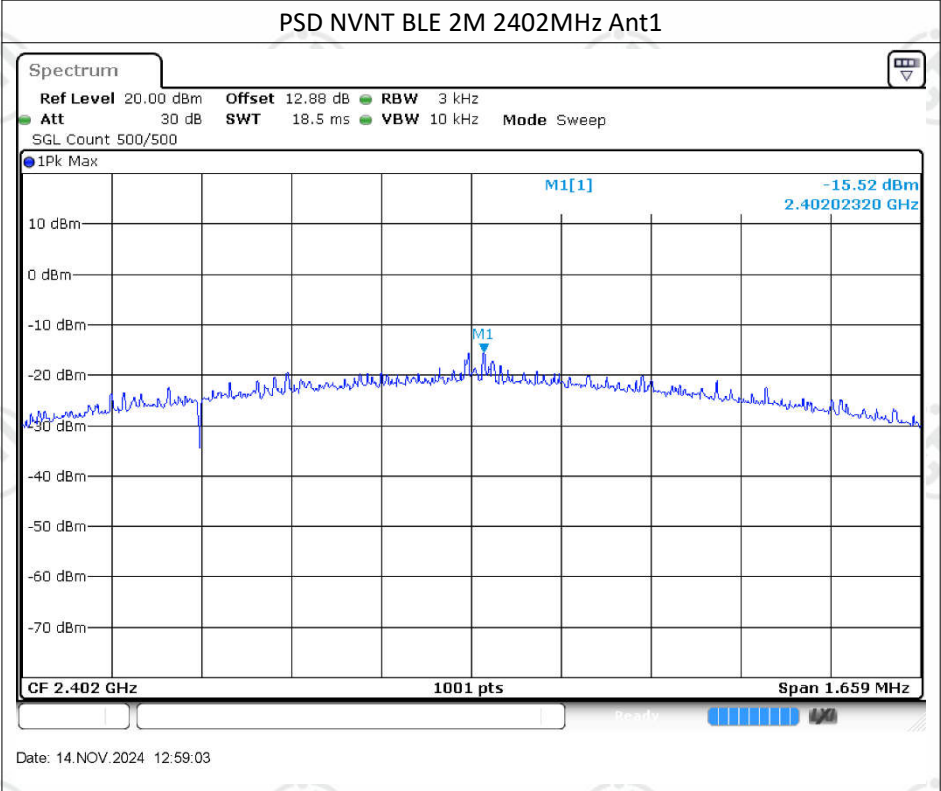
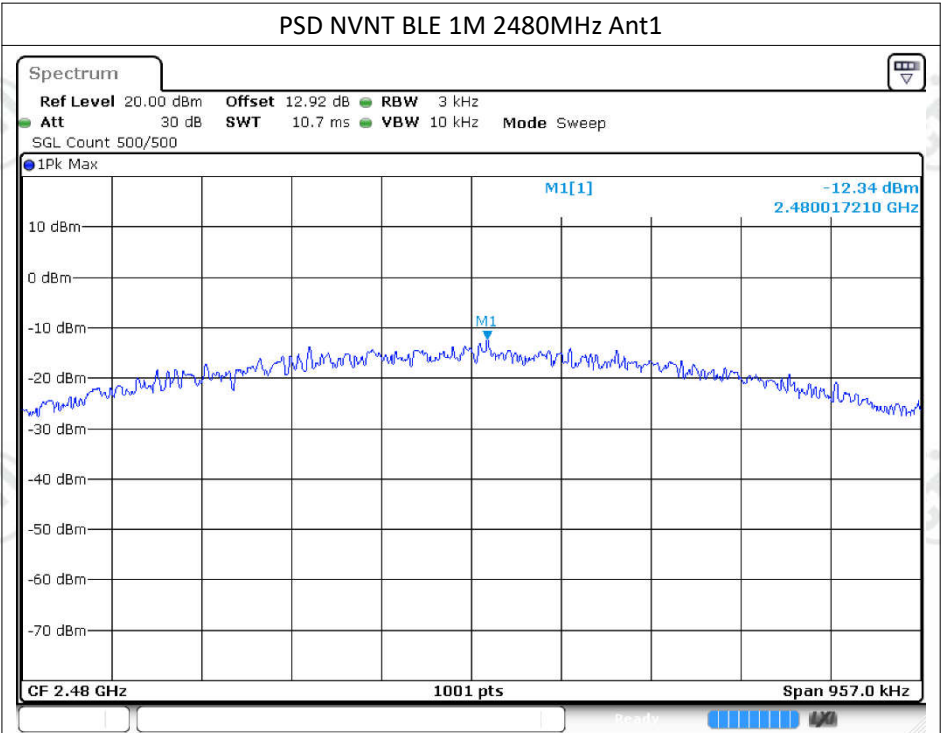
Appendix D: Maximum power spectral density

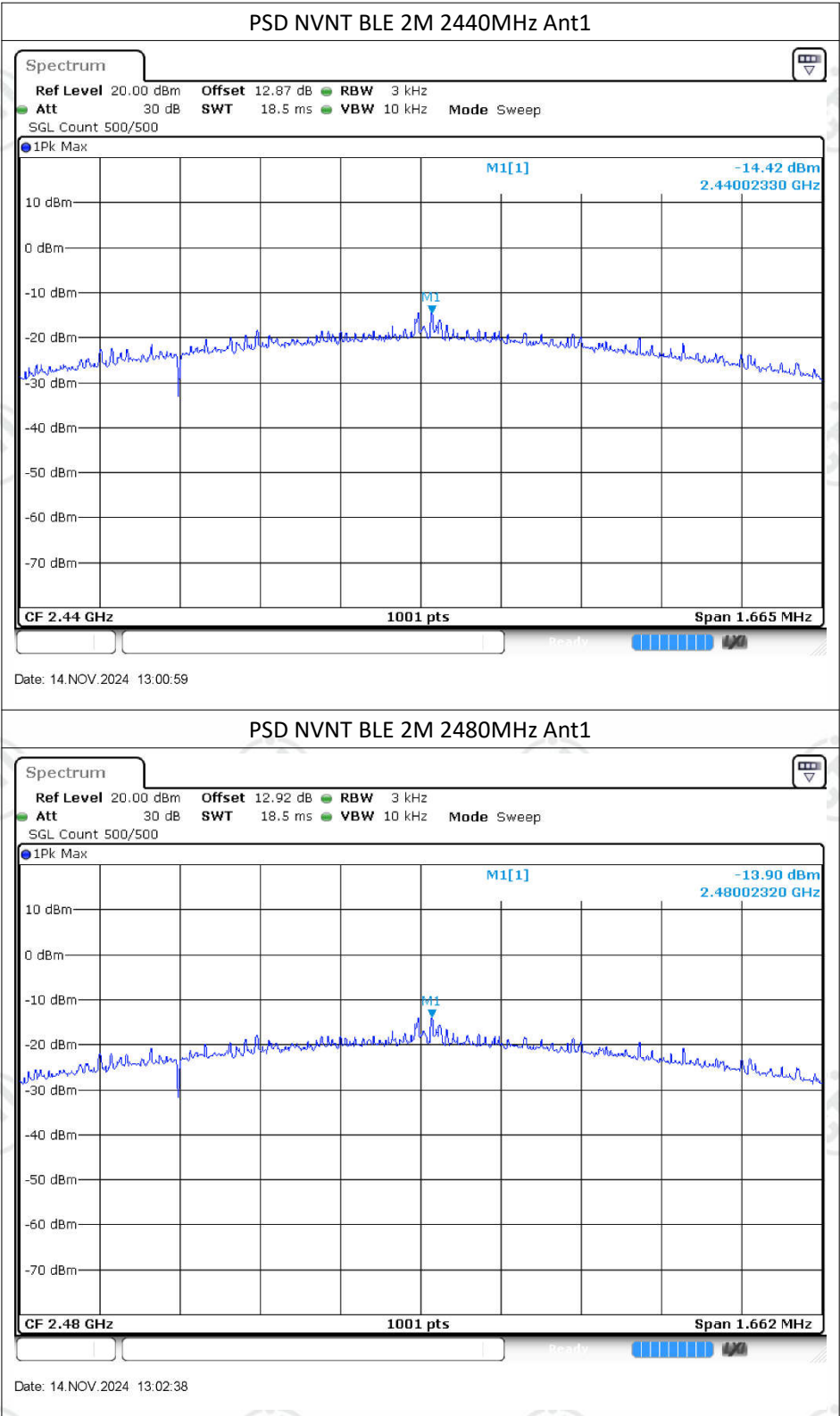
Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-13.83	≤8.00	PASS
BLE_1M	Ant1	2440	-12.84	≤8.00	PASS
BLE_1M	Ant1	2480	-12.34	≤8.00	PASS
BLE_2M	Ant1	2402	-15.52	≤8.00	PASS
BLE_2M	Ant1	2440	-14.42	≤8.00	PASS
BLE_2M	Ant1	2480	-13.9	≤8.00	PASS

Test Graphs





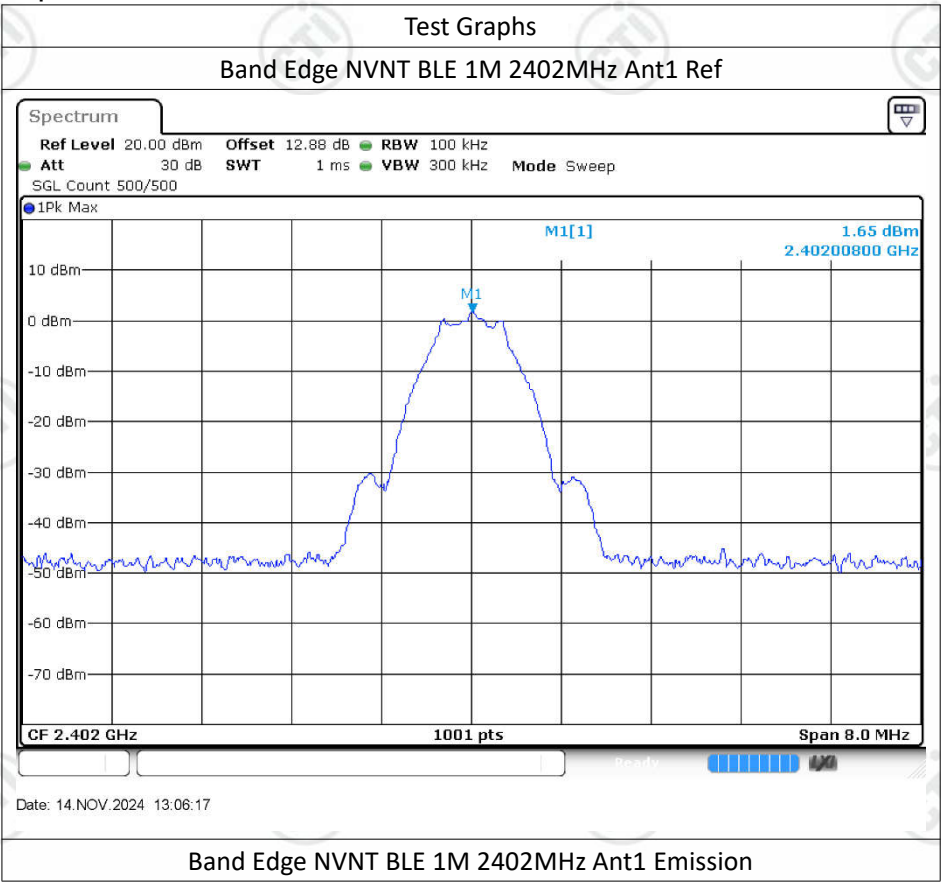


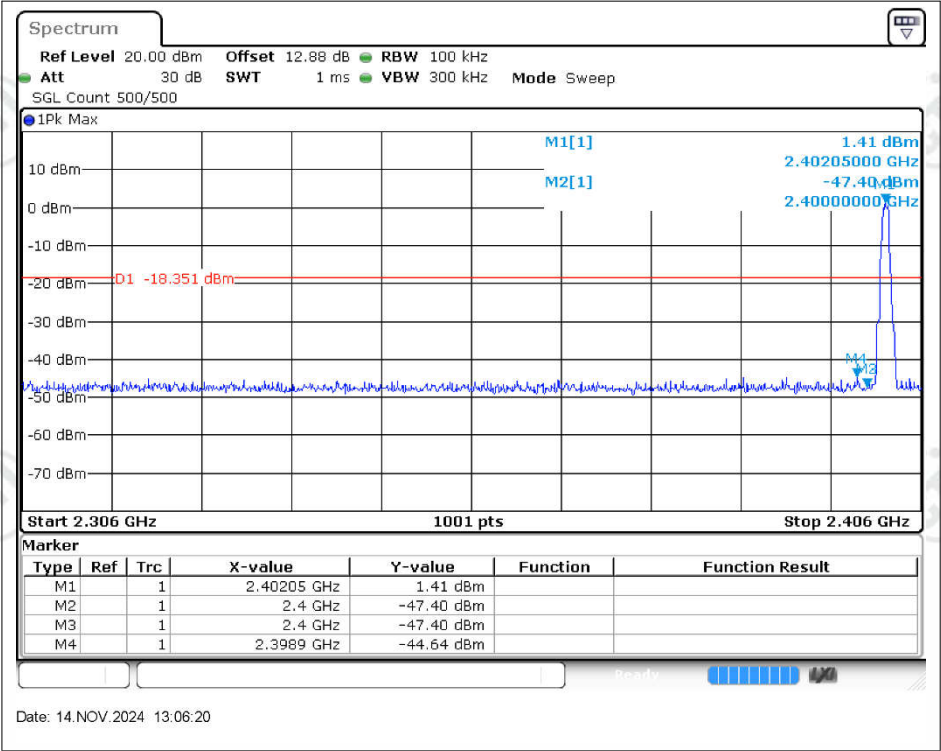
Appendix E: Band edge measurements

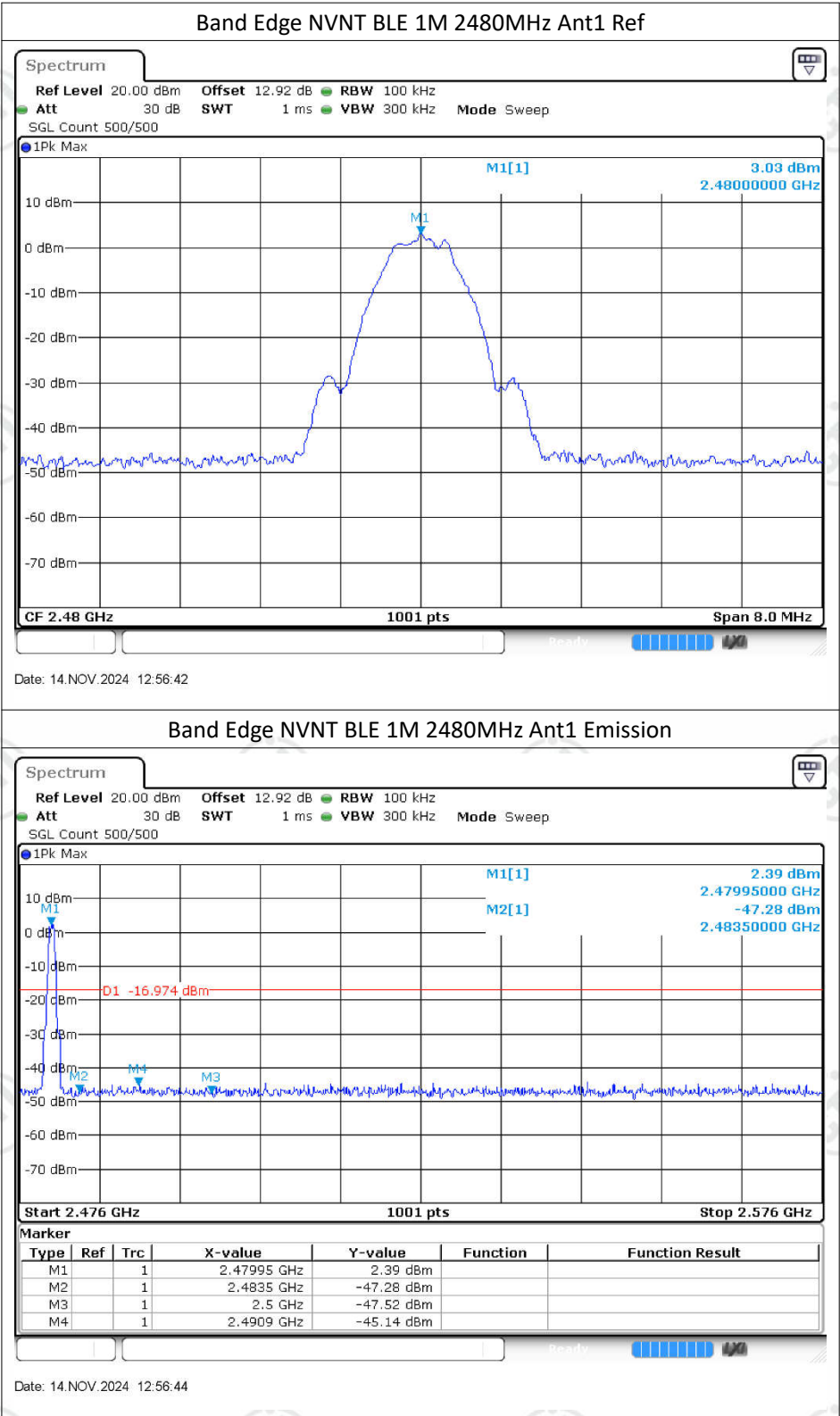
Test Result

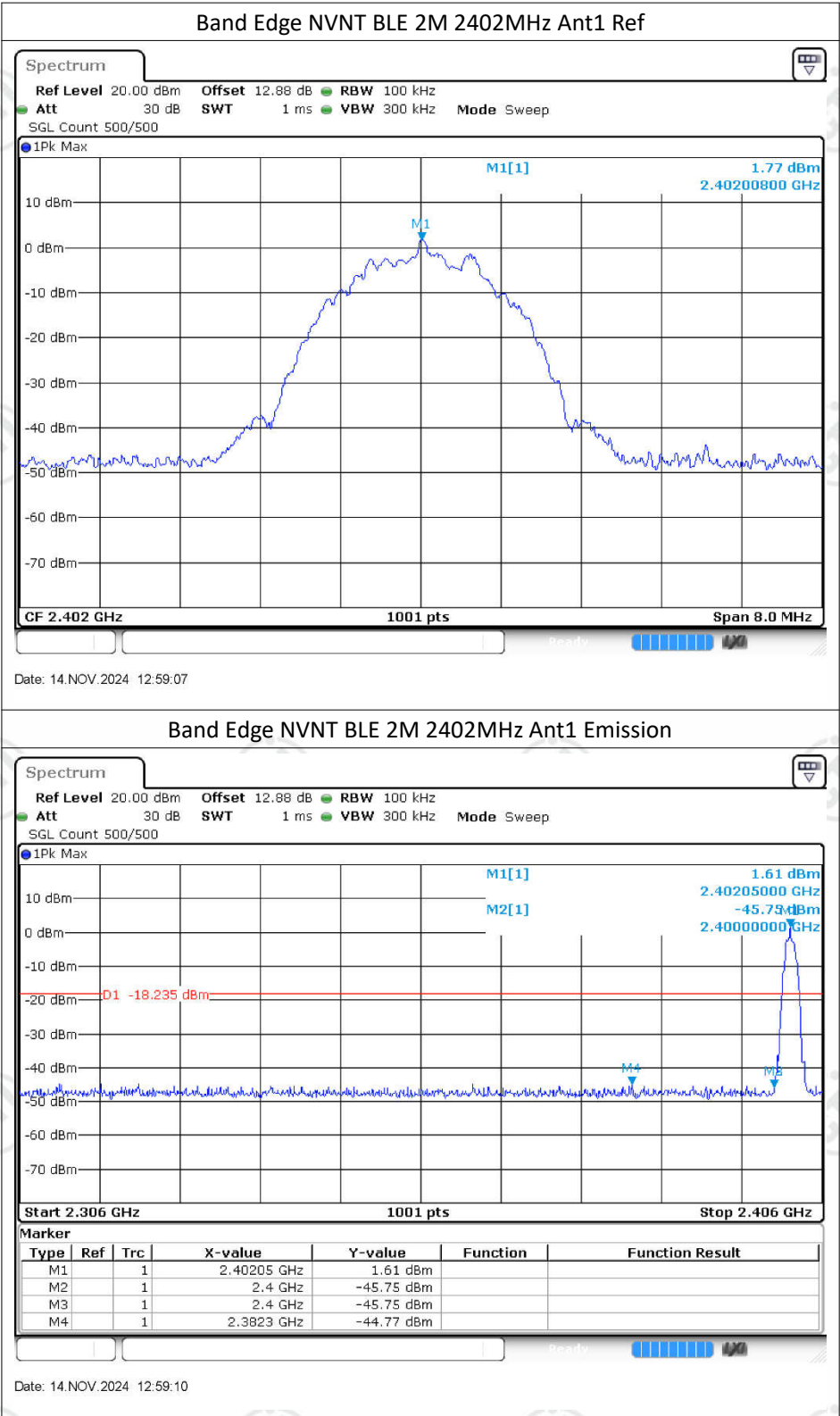
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE 1M	2402	Ant1	-46.28	-20	Pass
NVNT	BLE 1M	2480	Ant1	-48.17	-20	Pass
NVNT	BLE 2M	2402	Ant1	-46.53	-20	Pass
NVNT	BLE 2M	2480	Ant1	-48.4	-20	Pass

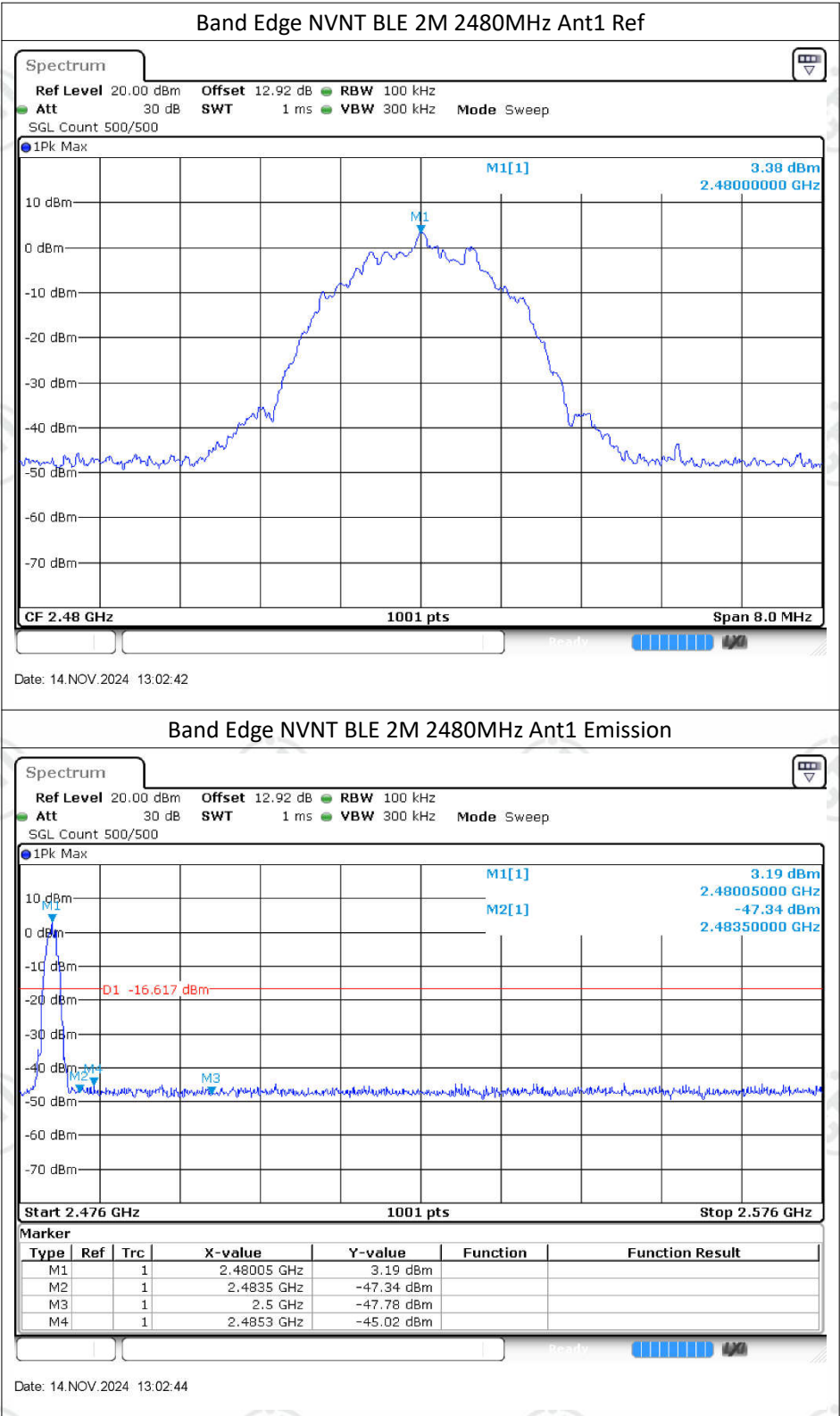
Test Graphs









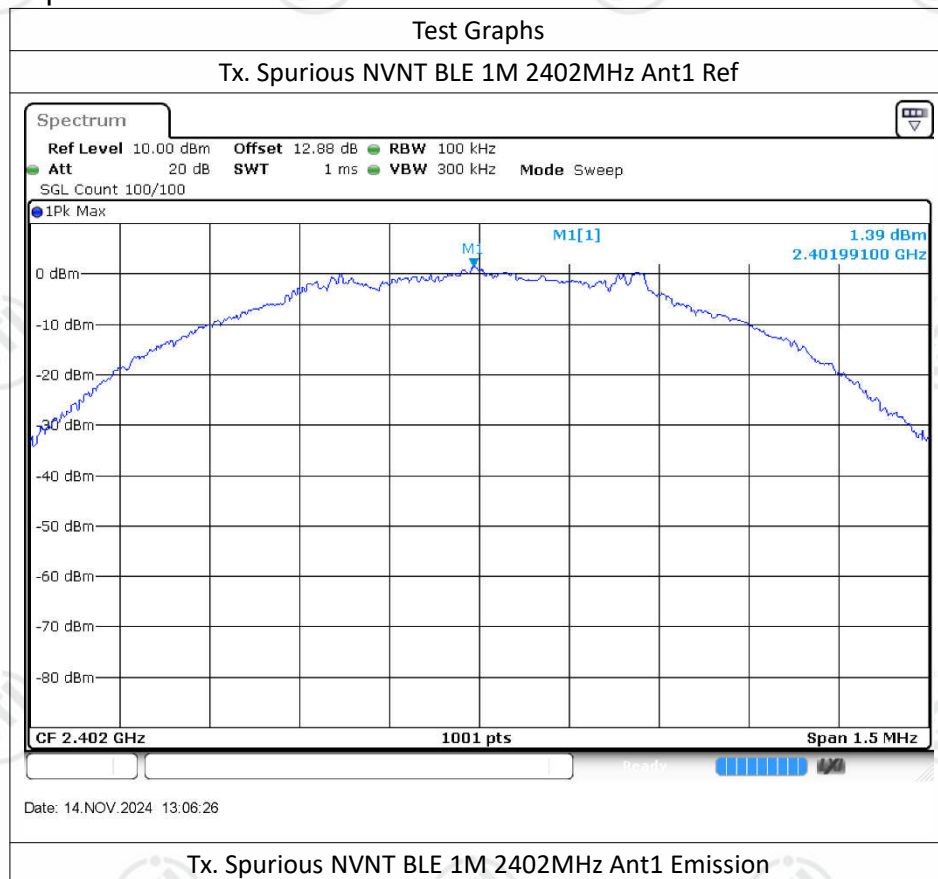


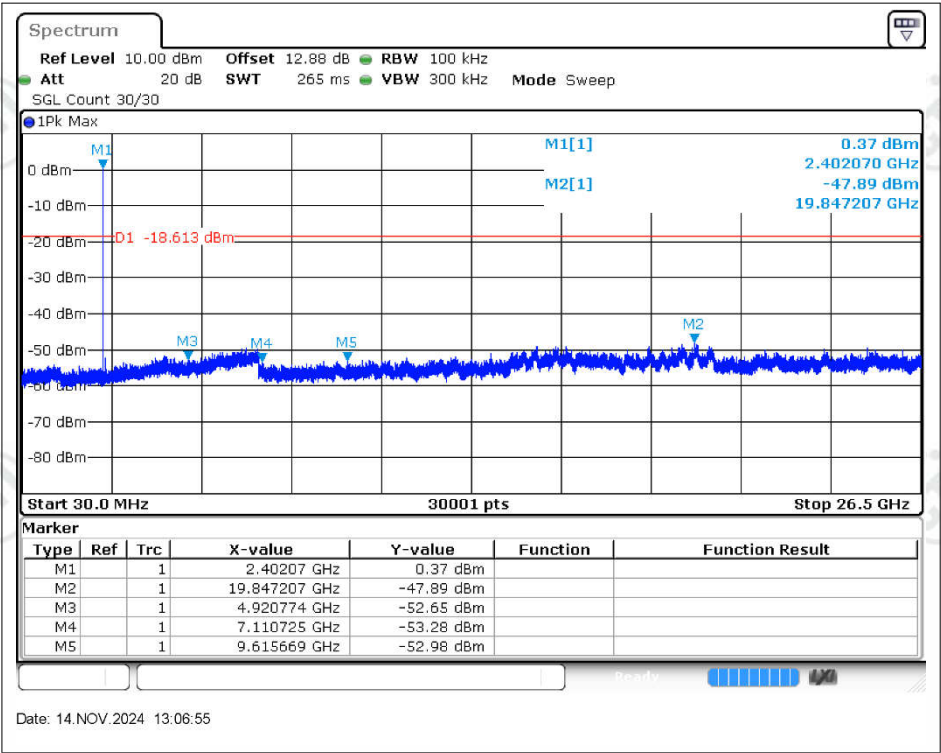
Appendix F: Conducted Spurious Emission

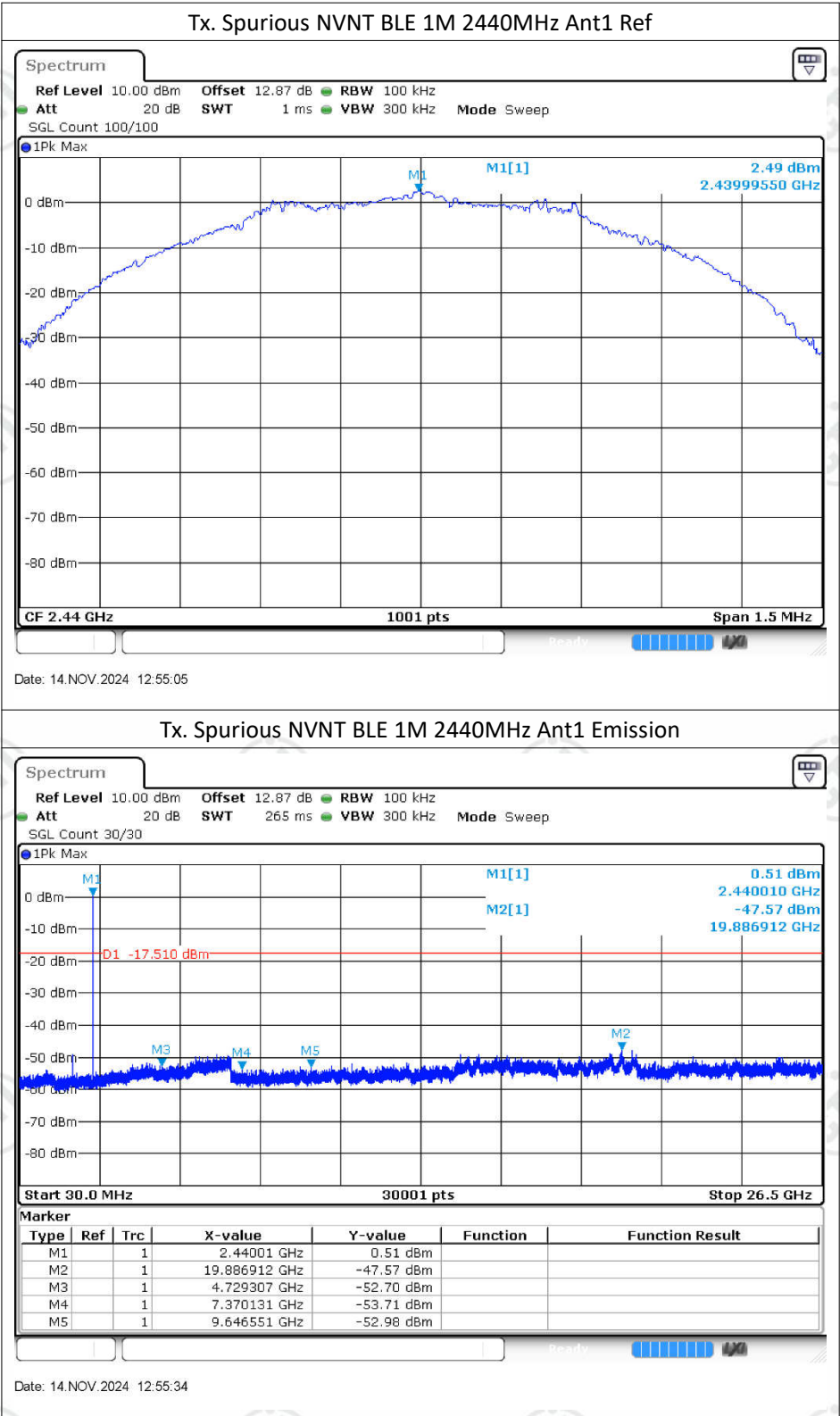
Test Result

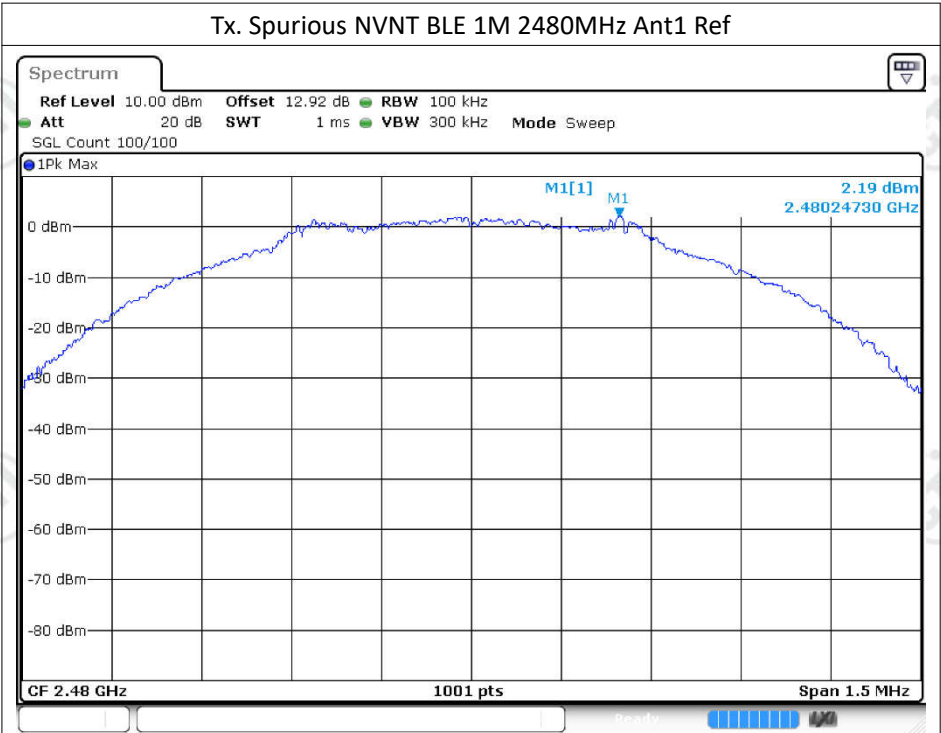
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE 1M	2402	Ant1	-49.27	-20	Pass
NVNT	BLE 1M	2440	Ant1	-50.05	-20	Pass
NVNT	BLE 1M	2480	Ant1	-50.37	-20	Pass
NVNT	BLE 2M	2402	Ant1	-49.63	-20	Pass
NVNT	BLE 2M	2440	Ant1	-50.72	-20	Pass
NVNT	BLE 2M	2480	Ant1	-51.31	-20	Pass

Test Graphs

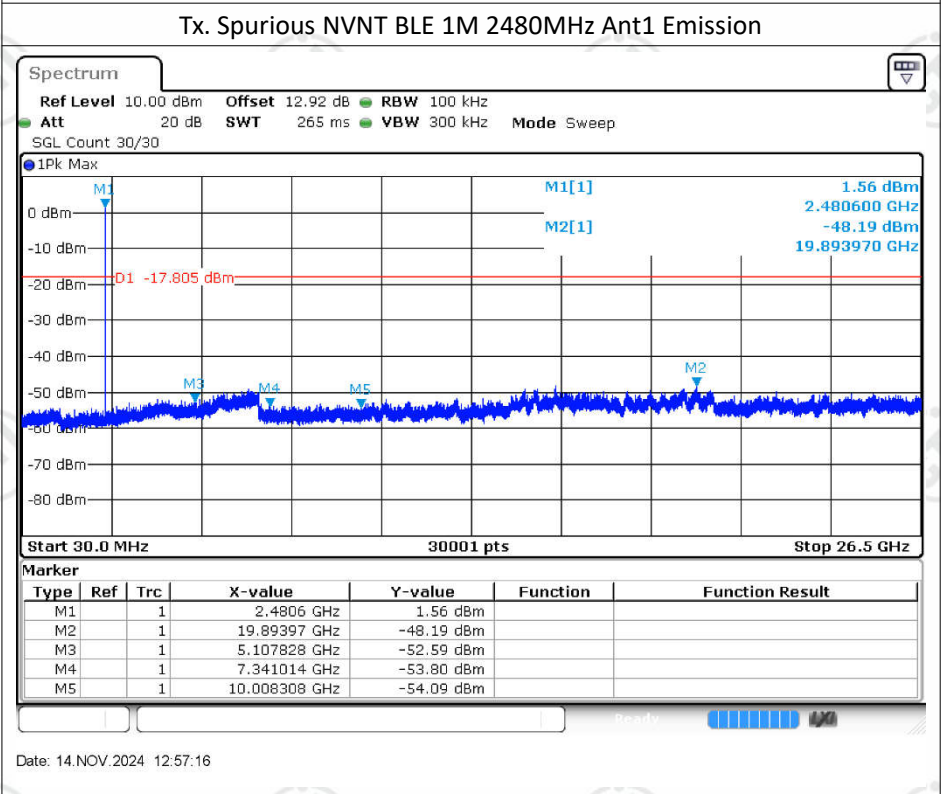




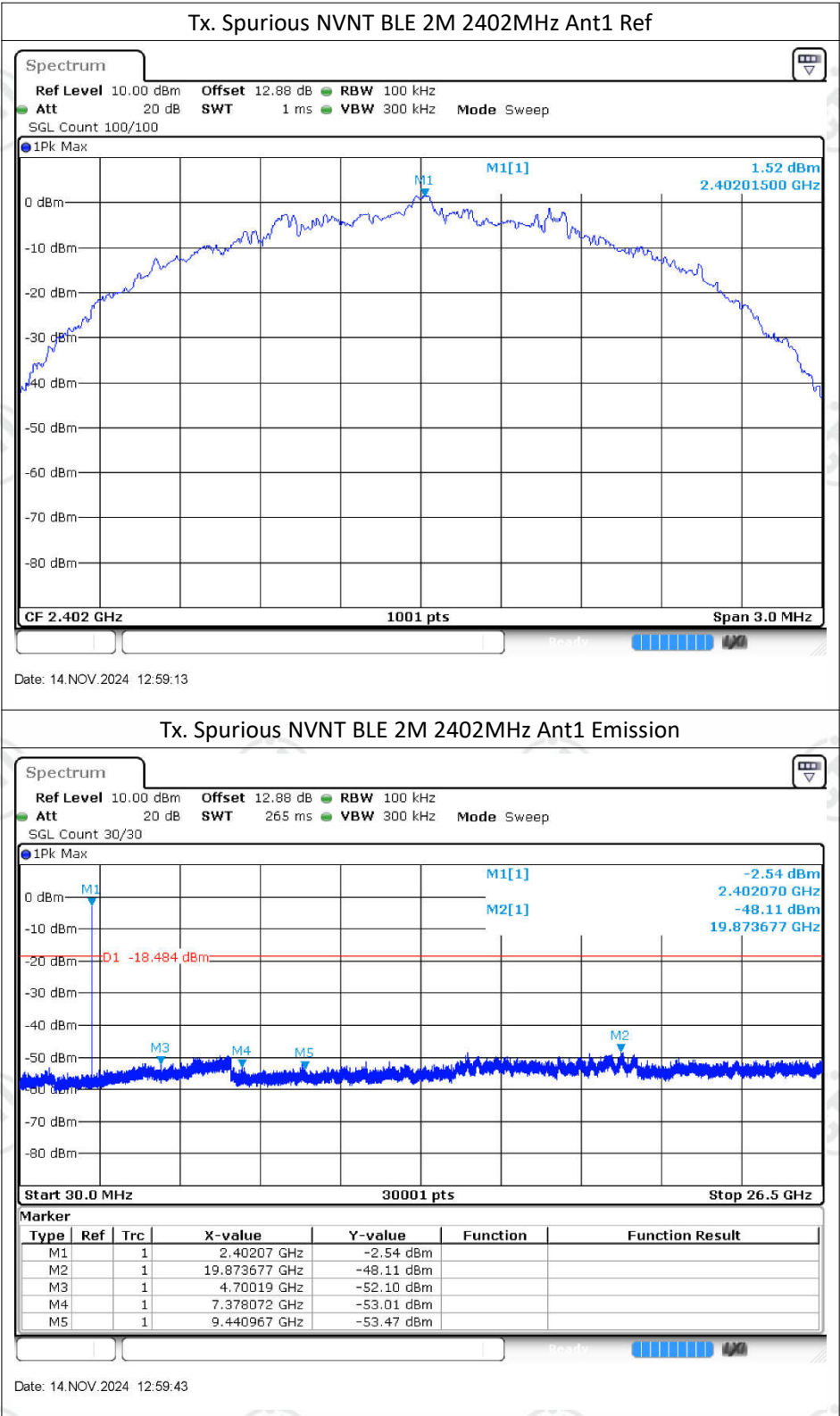


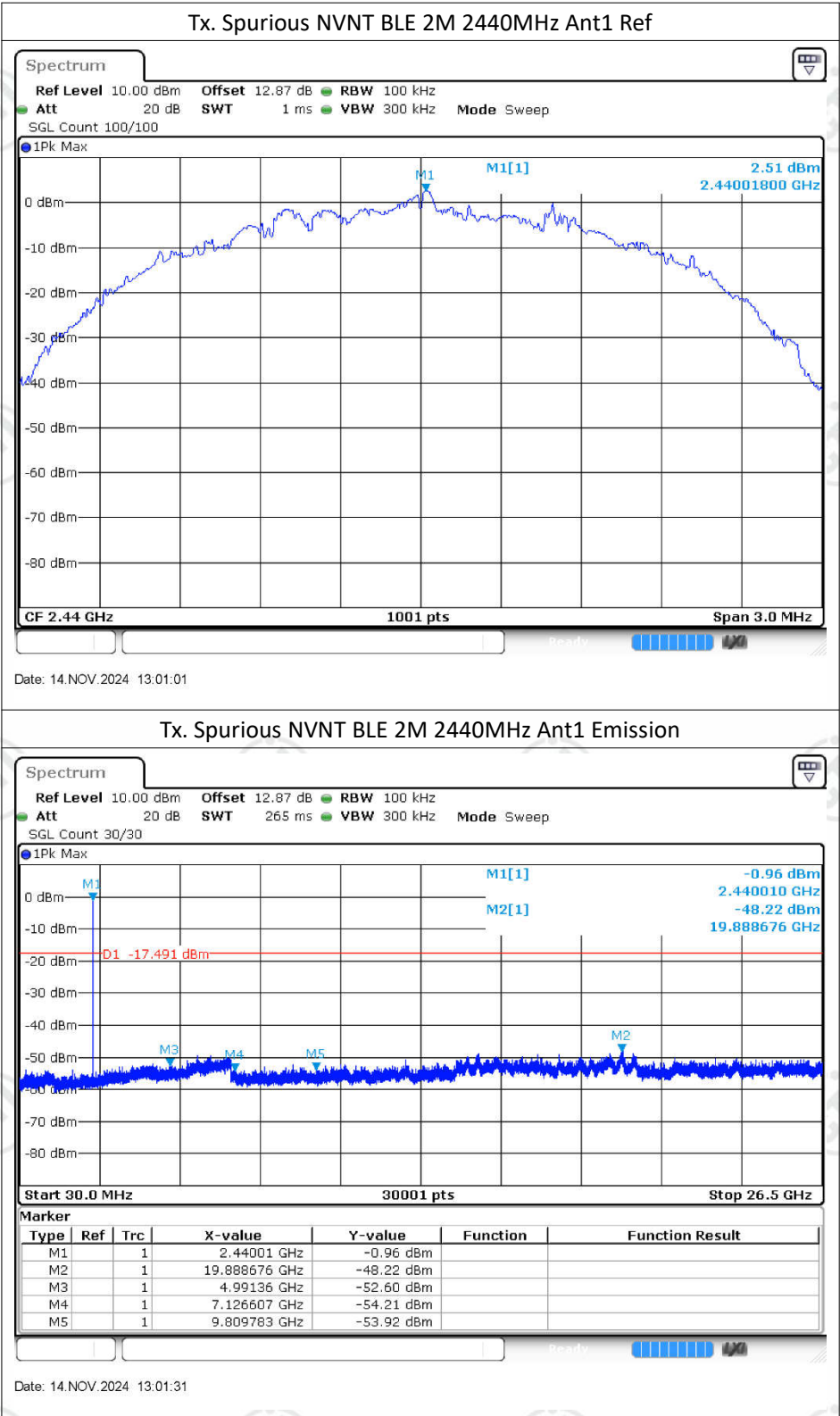


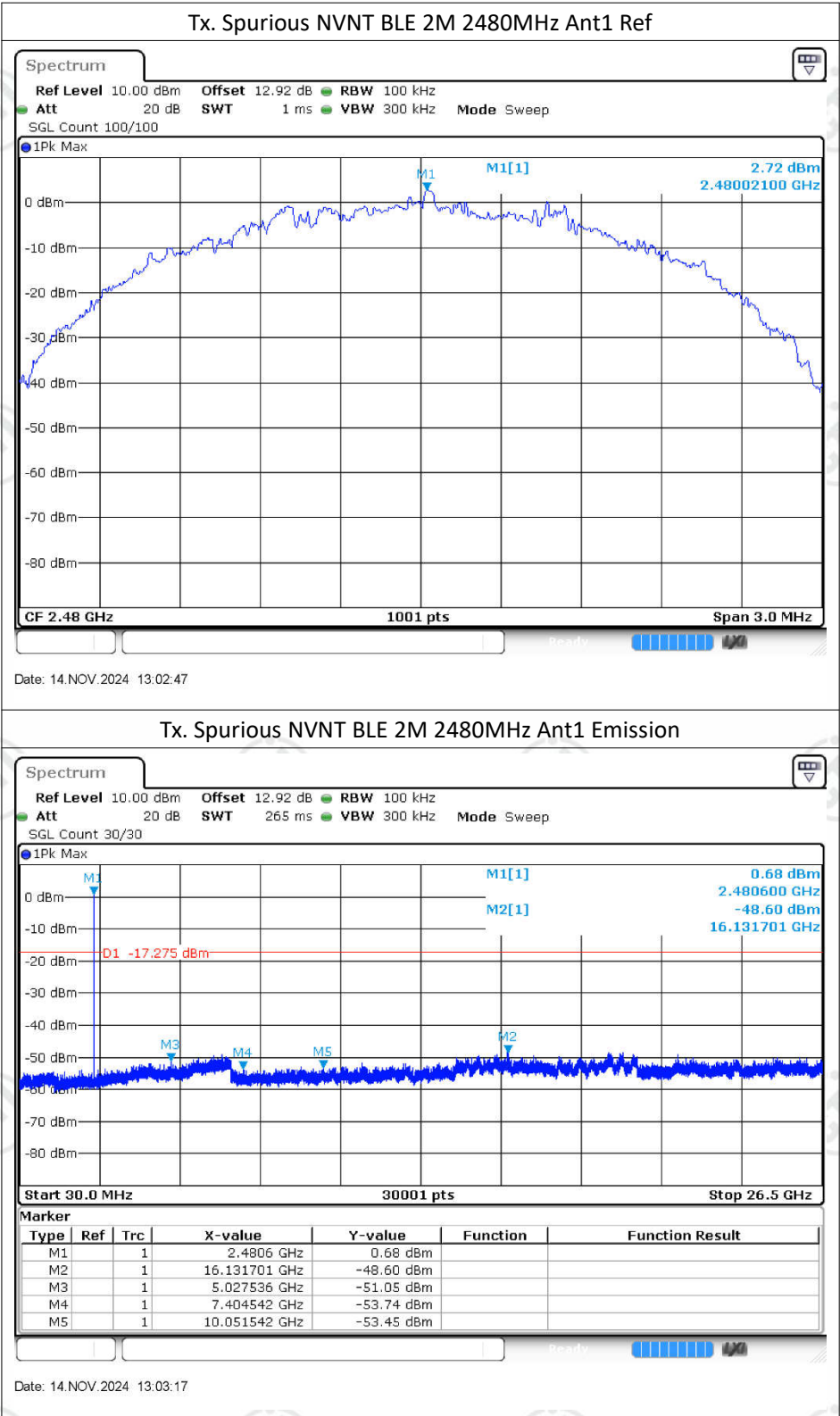
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Appendix G: Duty Cycle

Test Result

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)
NVNT	BLE 1M	2402	Ant1	83.92
NVNT	BLE 1M	2440	Ant1	83.88
NVNT	BLE 1M	2480	Ant1	83.92
NVNT	BLE 2M	2402	Ant1	56.64
NVNT	BLE 2M	2440	Ant1	56.69
NVNT	BLE 2M	2480	Ant1	56.69

Test Graphs

