



Shenzhen CTA Testing Technology Co., Ltd.

Room 106, Building 1, Yibaolai Industrial Park, Qiaotou Community,
Fuhai Street, Bao'an District, Shenzhen, China

Appendix RF Test Data for BLE

Company : Fuzhou Geek Cross-Border E-commerce Co., Ltd.
EUT : Neon Extreme Magnetic keyboard
Model Number : Neon Extreme
Report No. : CTA26071401501
Reviewed By : Eric Wang



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Appendix A: Frequency Error

Test Result

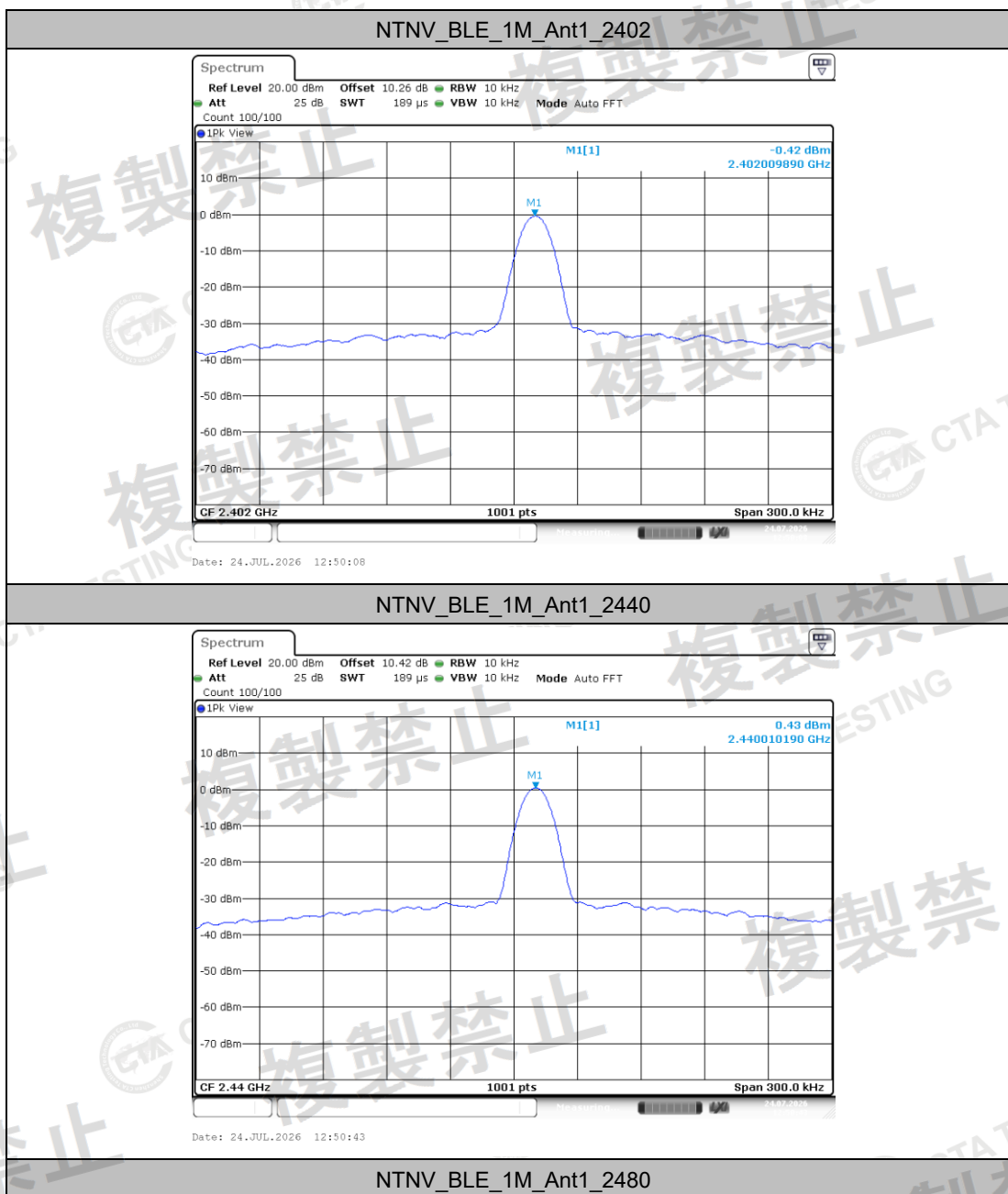
TestCondition	TestMode	Antenna	Freq(MHz)	Result[ppm]	Limit[ppm]	Verdict
NTNV	BLE_1M	Ant1	2402	4.11740	±50	PASS
			2440	4.17623	±50	PASS
			2480	4.22984	±50	PASS



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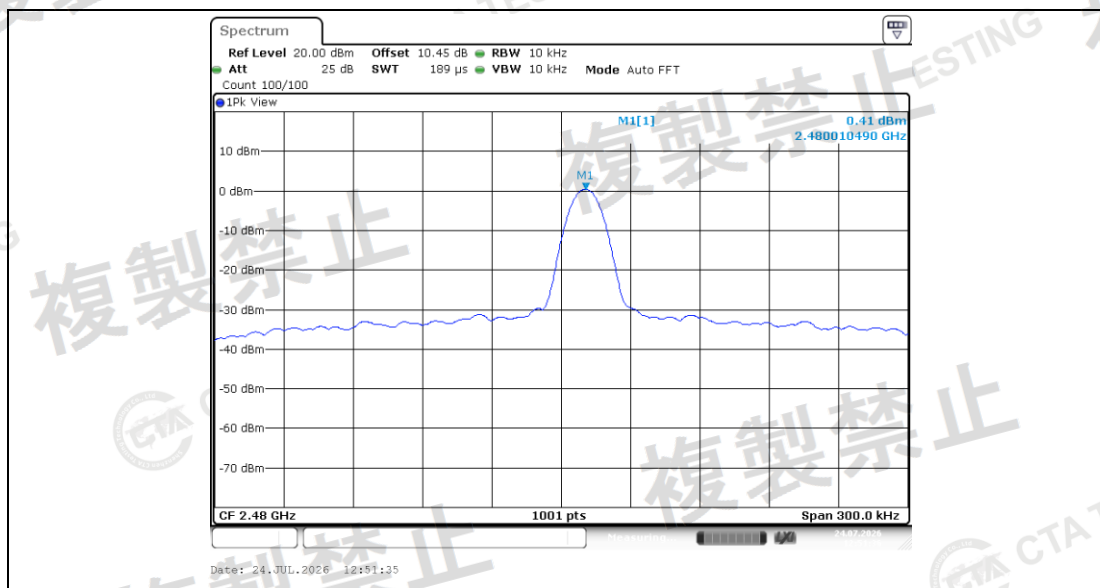
Test Graphs





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Appendix B: Occupied Bandwidth

Test Result

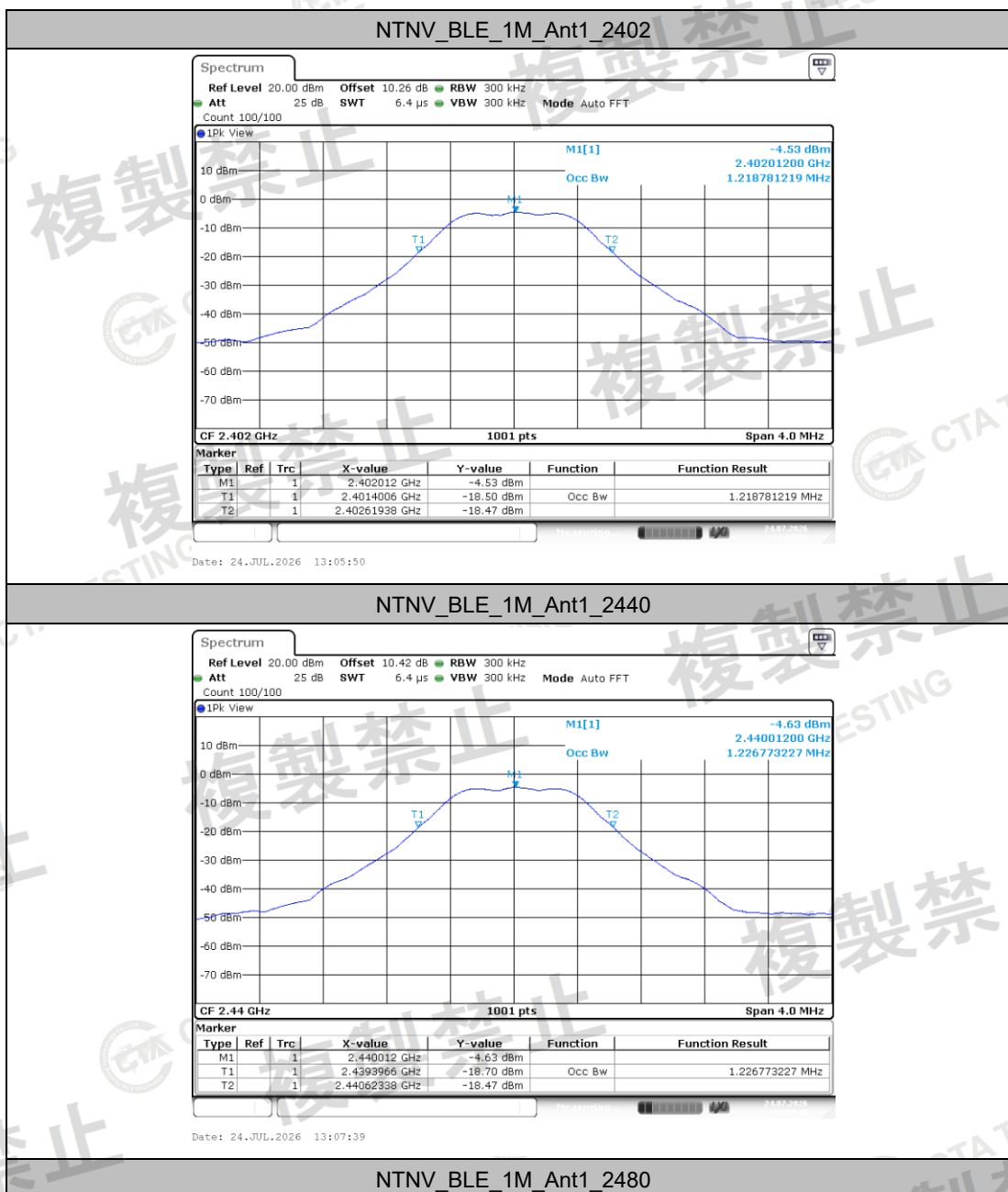
TestCondition	TestMode	Antenna	Freq(MHz)	Result [MHz]	Limit [MHz]	Verdict
NTNV	BLE_1M	Ant1	2402	1.219	≤26	PASS
			2440	1.227	≤26	PASS
			2480	1.227	≤26	PASS



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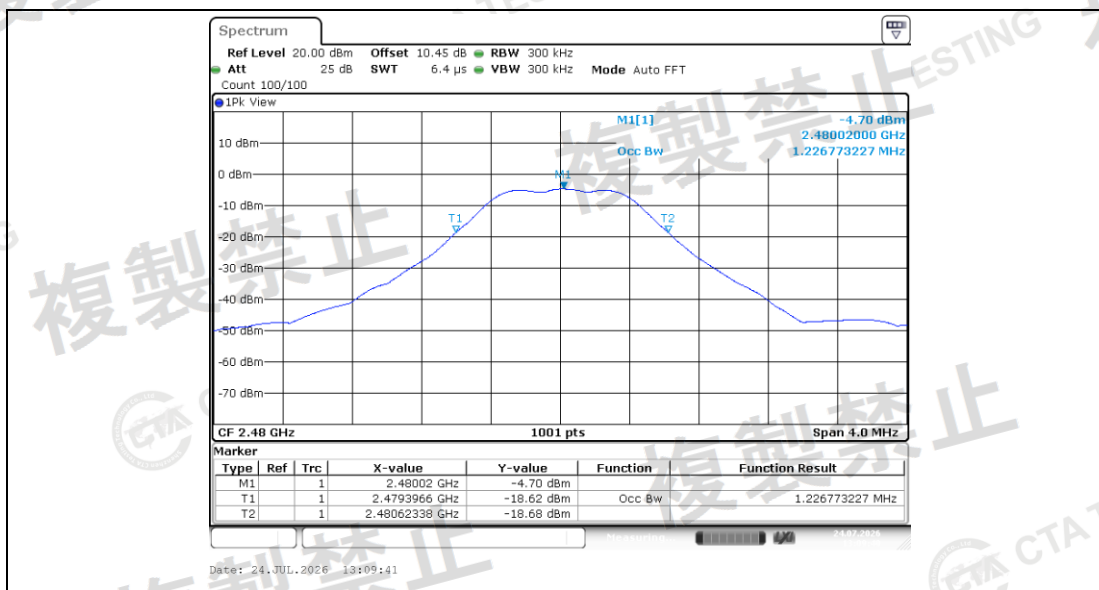
Test Graphs





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Appendix C: Spread Bandwidth

Test Result

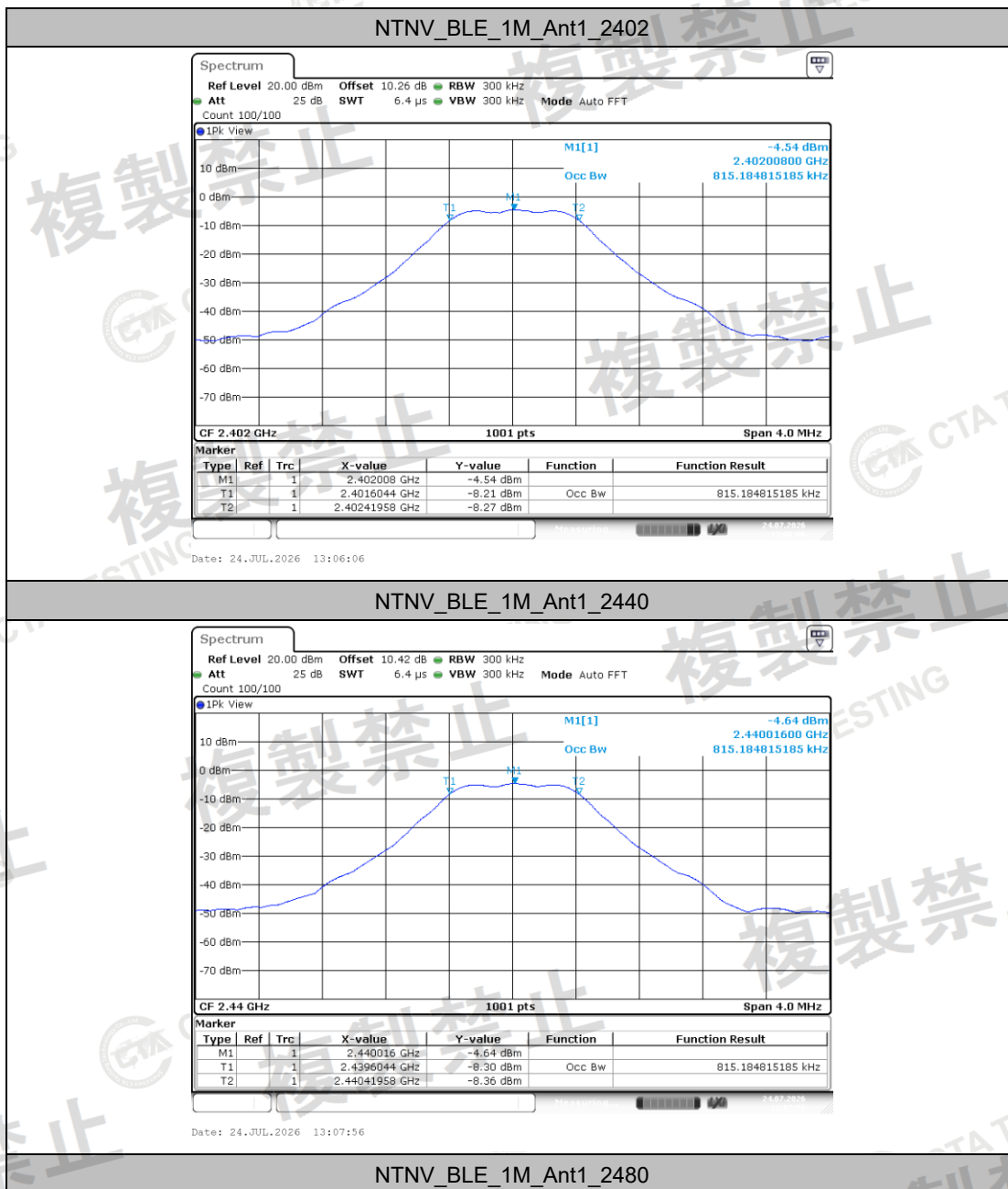
TestCondition	TestMode	Antenna	Freq(MHz)	Result [MHz]	Limit [MHz]	Verdict
NTNV	BLE_1M	Ant1	2402	0.815	≥0.5	PASS
			2440	0.815	≥0.5	PASS
			2480	0.815	≥0.5	PASS



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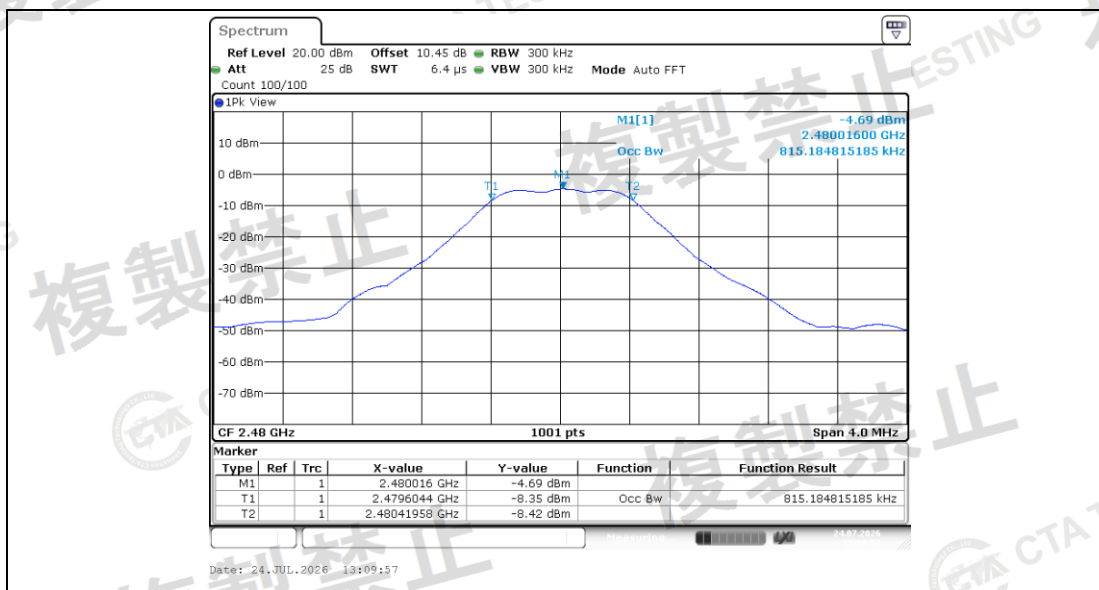
Test Graphs





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Appendix D: Spurious Emission of TX

Test Result

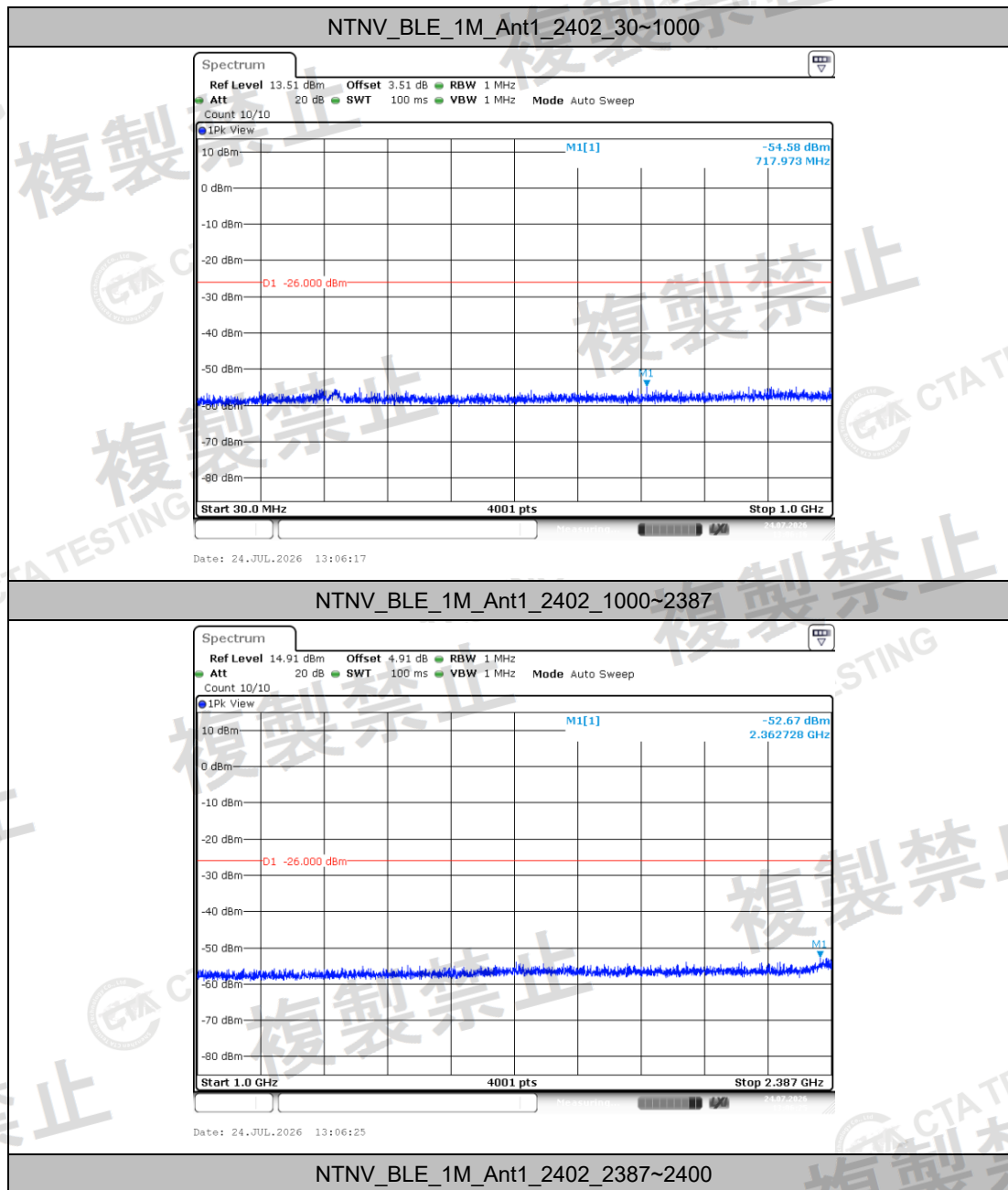
TestCondition	TestMode	Antenna	Freq(M Hz)	Freq.Range [MHz]	Freq. [MHz]	Result [dBm]	Limit [dBm]	Result [μW]	Limit [μW]	Verdict
NTNV	BLE_1M	Ant1	2402	30~1000	717.97	-54.58	≤-26	0.00348	≤2.5	PASS
				1000~2387	2362.73	-52.67	≤-26	0.00541	≤2.5	PASS
				2387~2400	2399.99	-34.37	≤-16	0.36559	≤25	PASS
				2483.5~2496.5	2492.75	-43.50	≤-16	0.04467	≤25	PASS
				2496.5~13000	4803.59	-38.83	≤-26	0.13092	≤2.5	PASS
			2440	30~1000	963.63	-55.21	≤-26	0.00301	≤2.5	PASS
				1000~2387	2363.07	-53.16	≤-26	0.00483	≤2.5	PASS
				2387~2400	2391.93	-43.79	≤-16	0.04178	≤25	PASS
				2483.5~2496.5	2494.35	-43.53	≤-16	0.04436	≤25	PASS
				2496.5~13000	4879.74	-38.78	≤-26	0.13243	≤2.5	PASS
			2480	30~1000	851.35	-54.45	≤-26	0.00359	≤2.5	PASS
				1000~2387	2334.29	-54.18	≤-26	0.00382	≤2.5	PASS
				2387~2400	2395.35	-44.24	≤-16	0.03767	≤25	PASS
				2483.5~2496.5	2484.31	-42.44	≤-16	0.05702	≤25	PASS
				2496.5~13000	4959.57	-38.69	≤-26	0.13521	≤2.5	PASS



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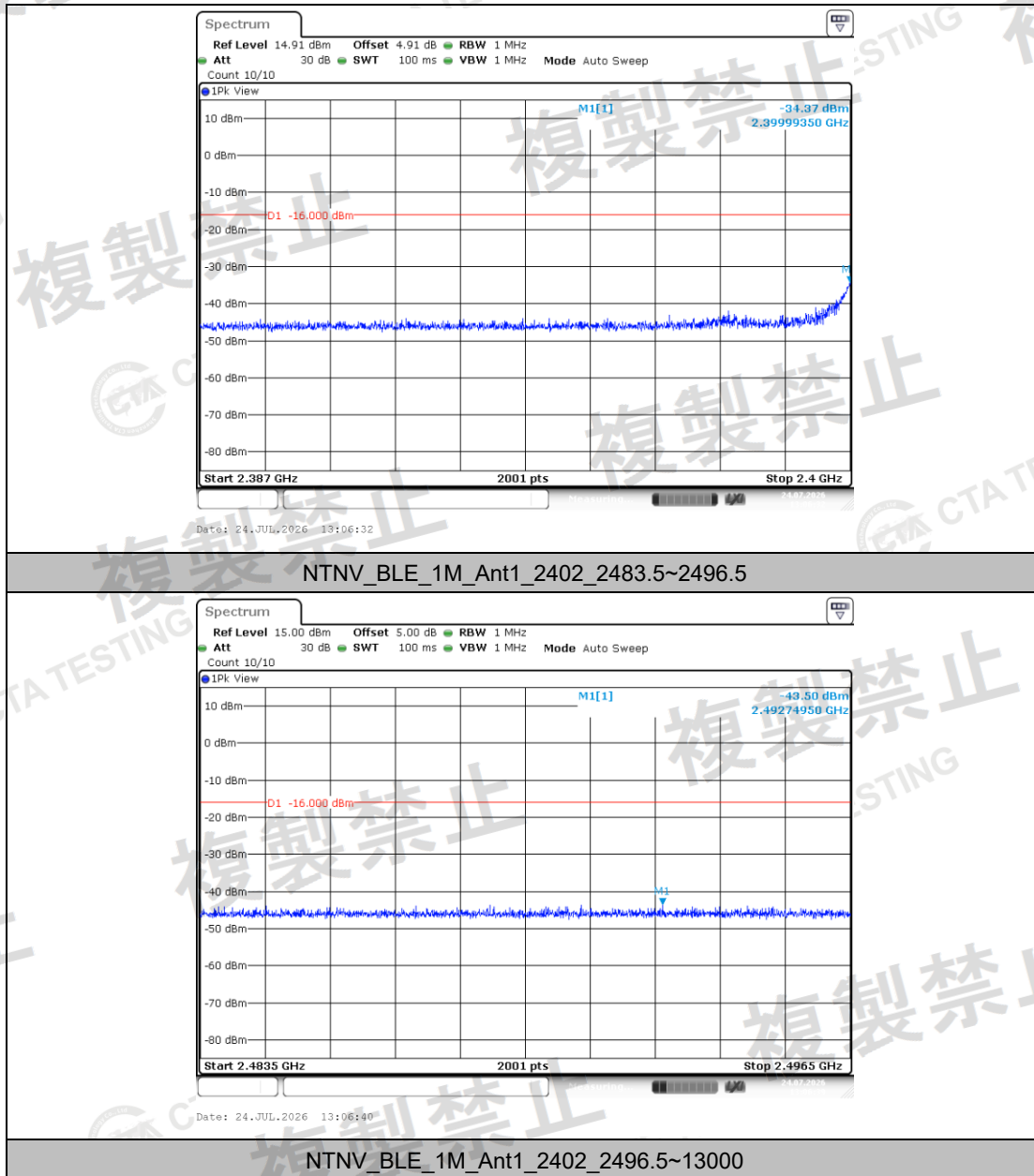
Test Graphs





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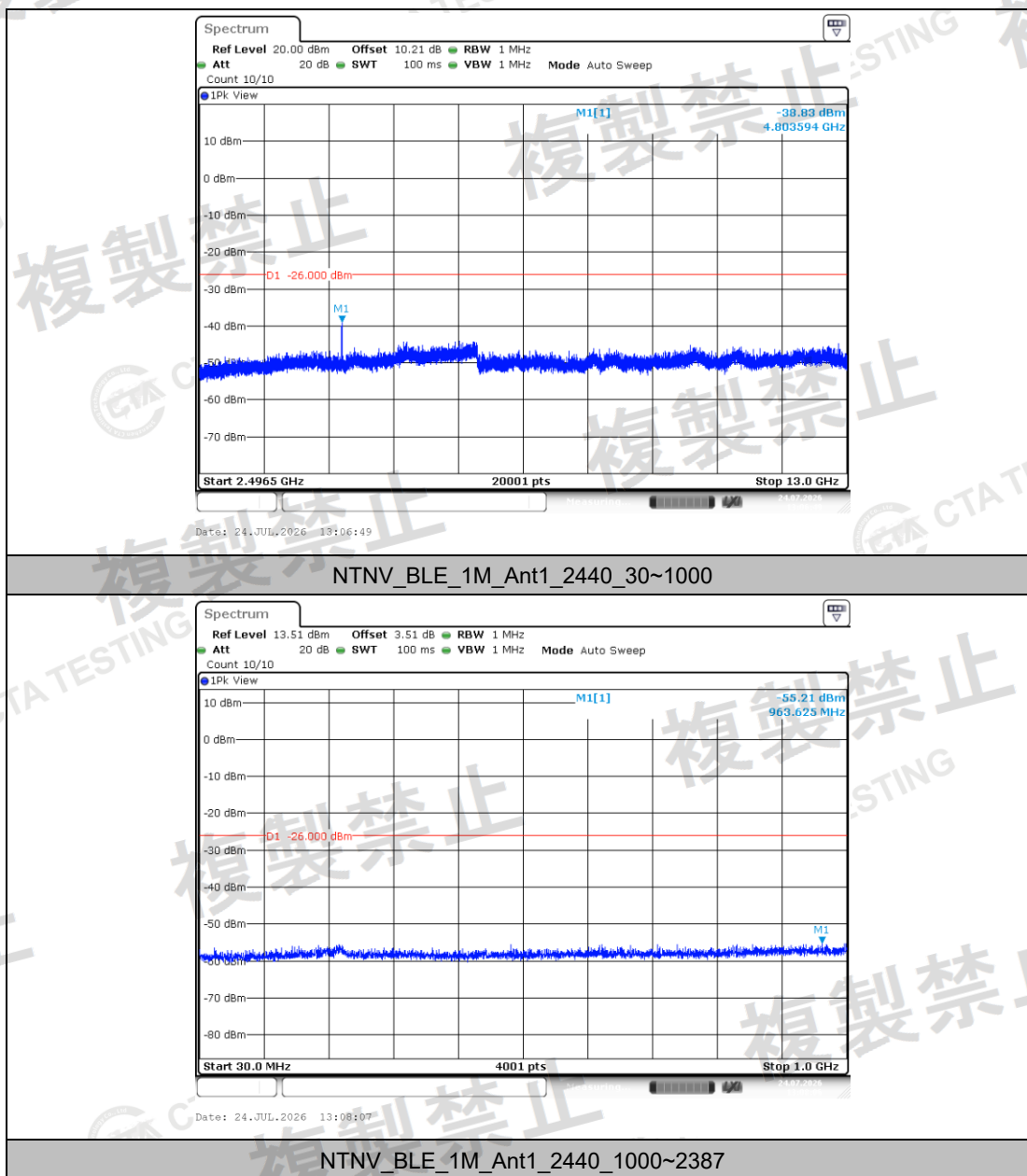
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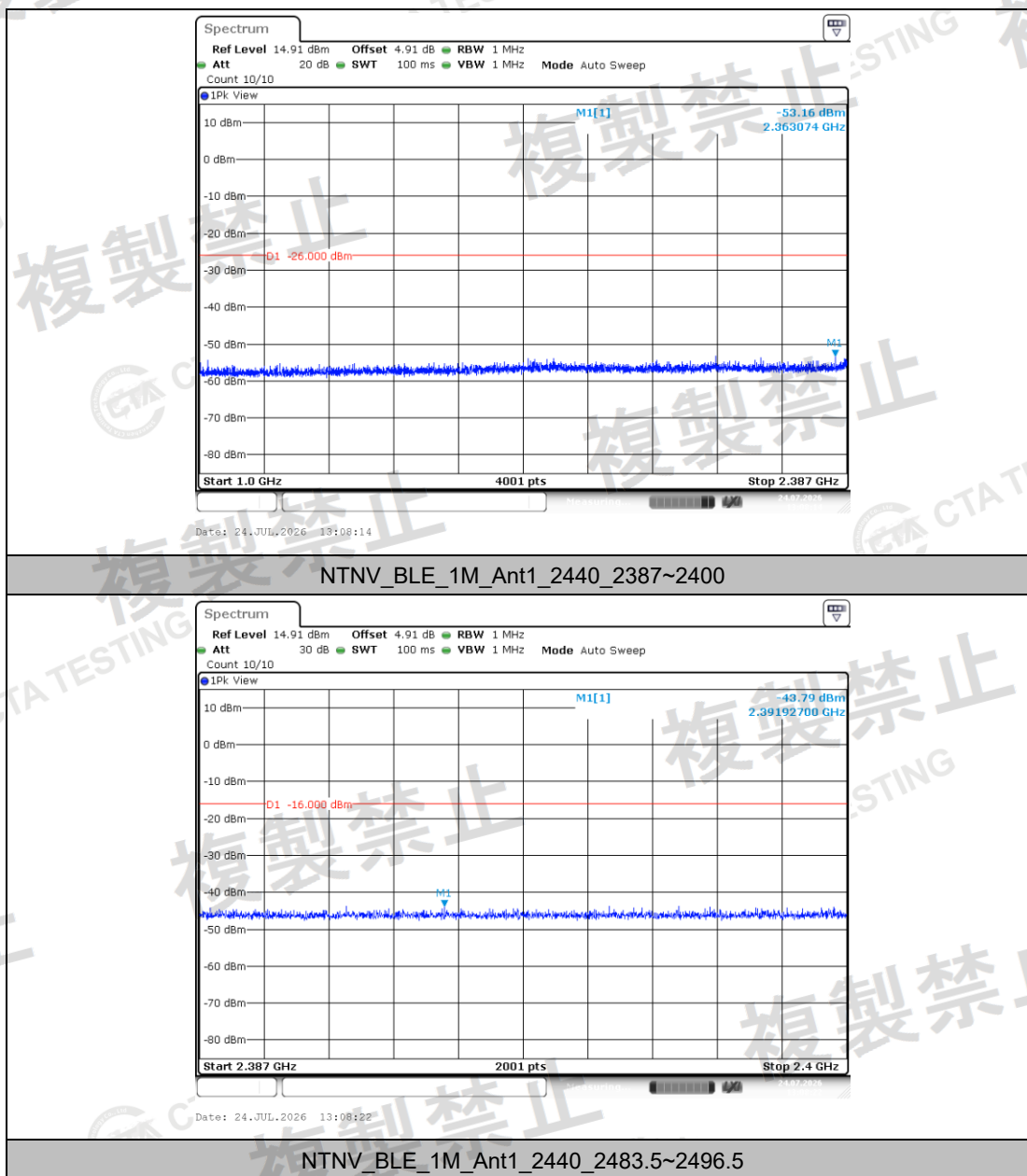
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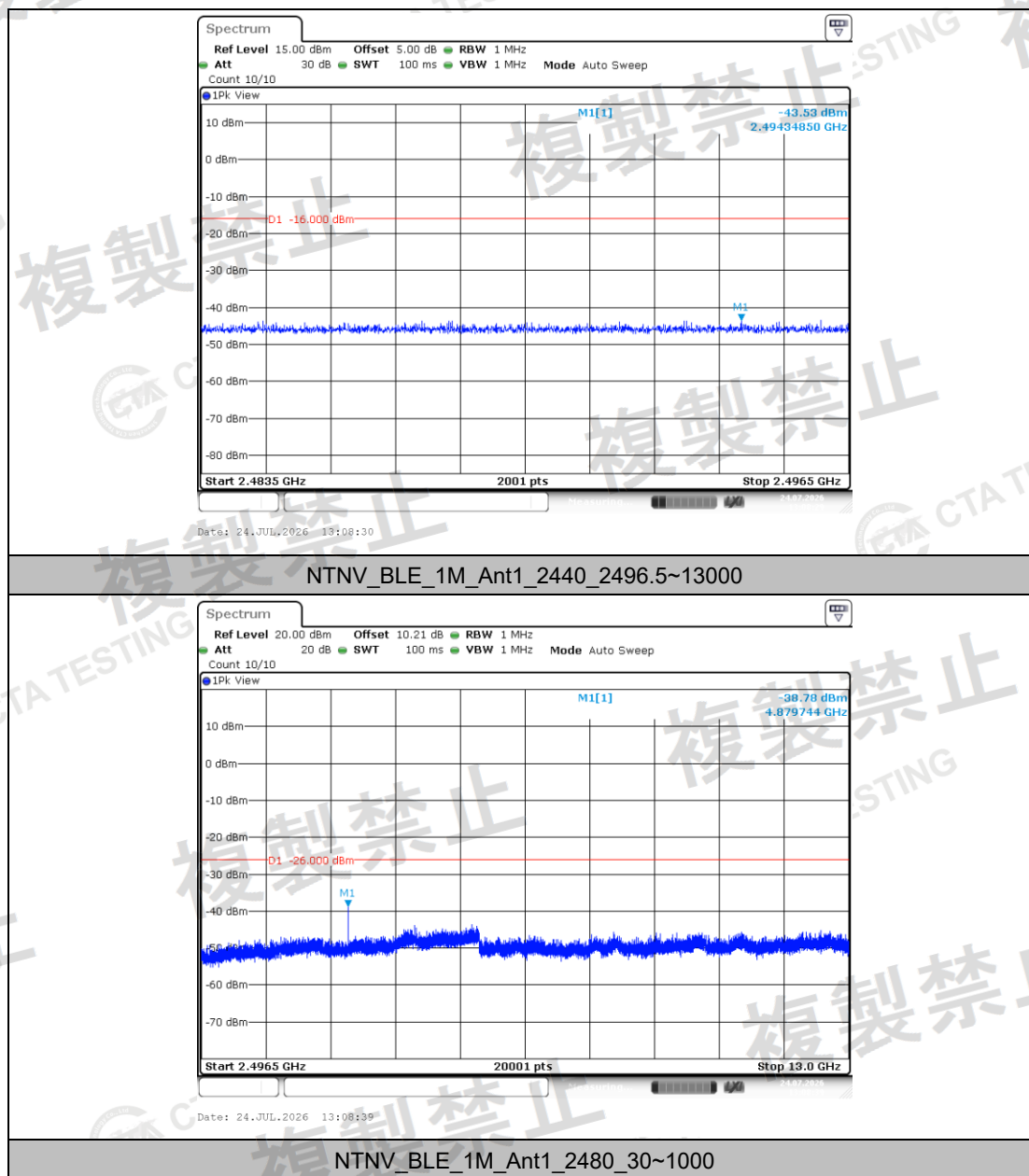
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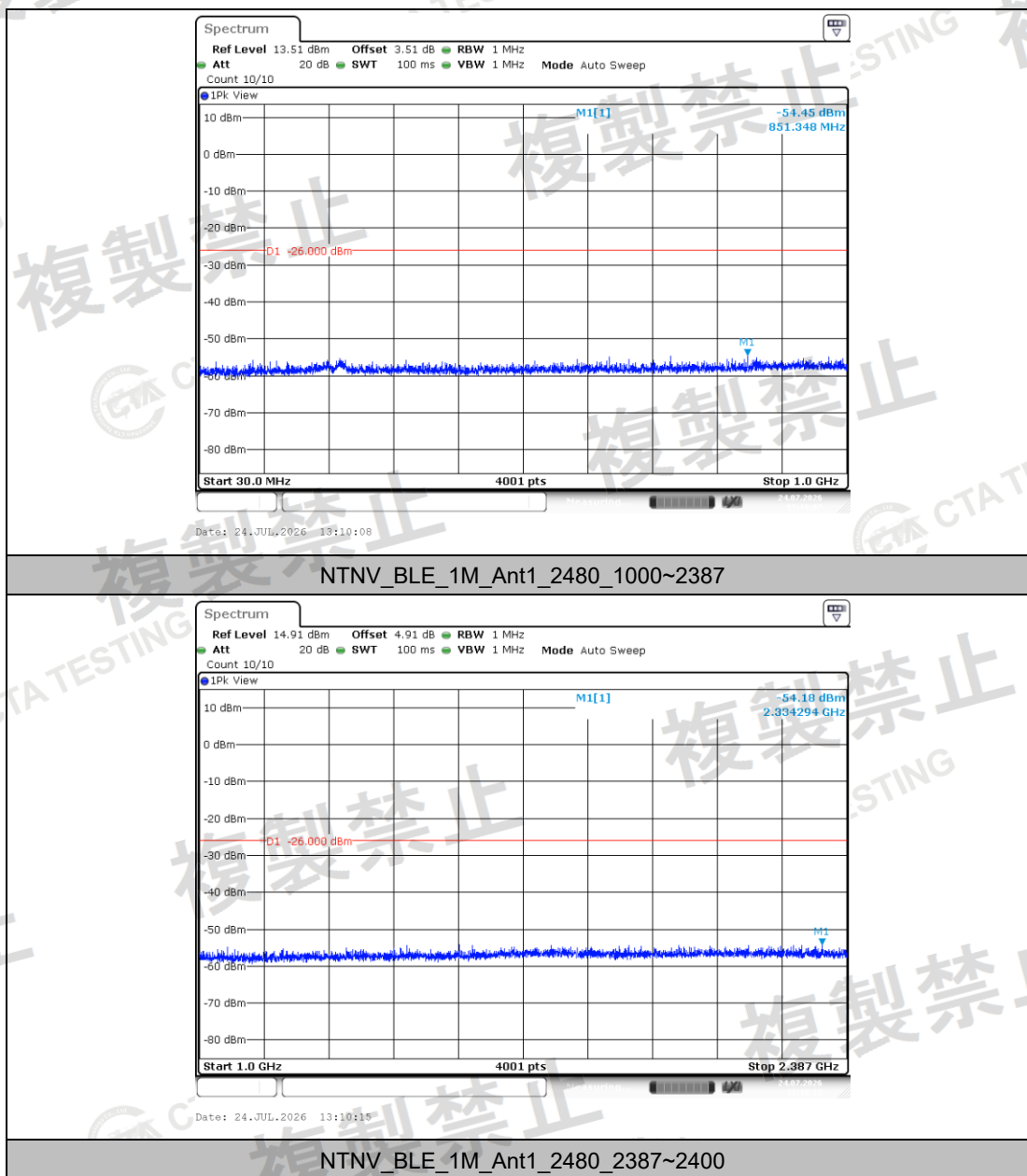
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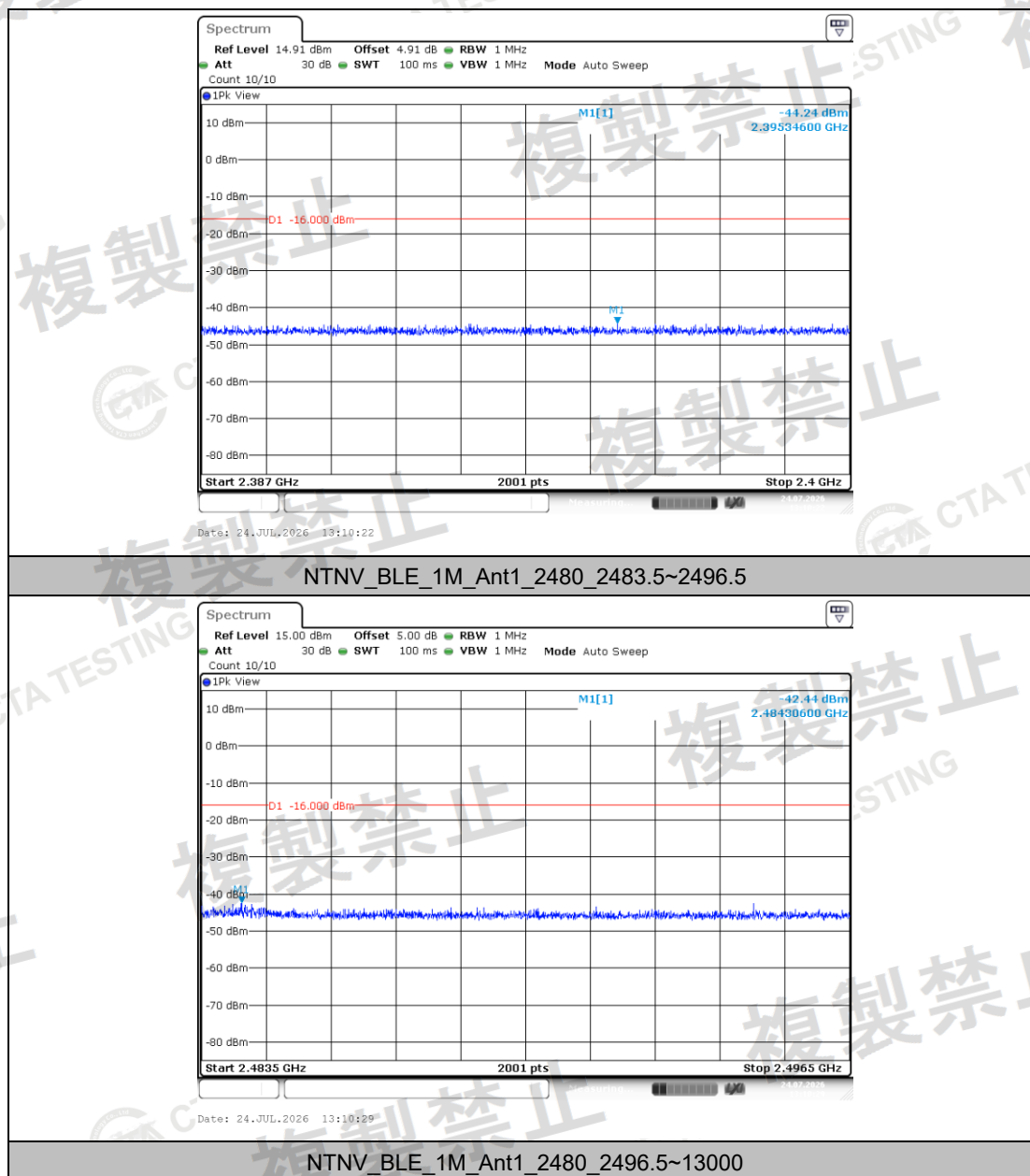
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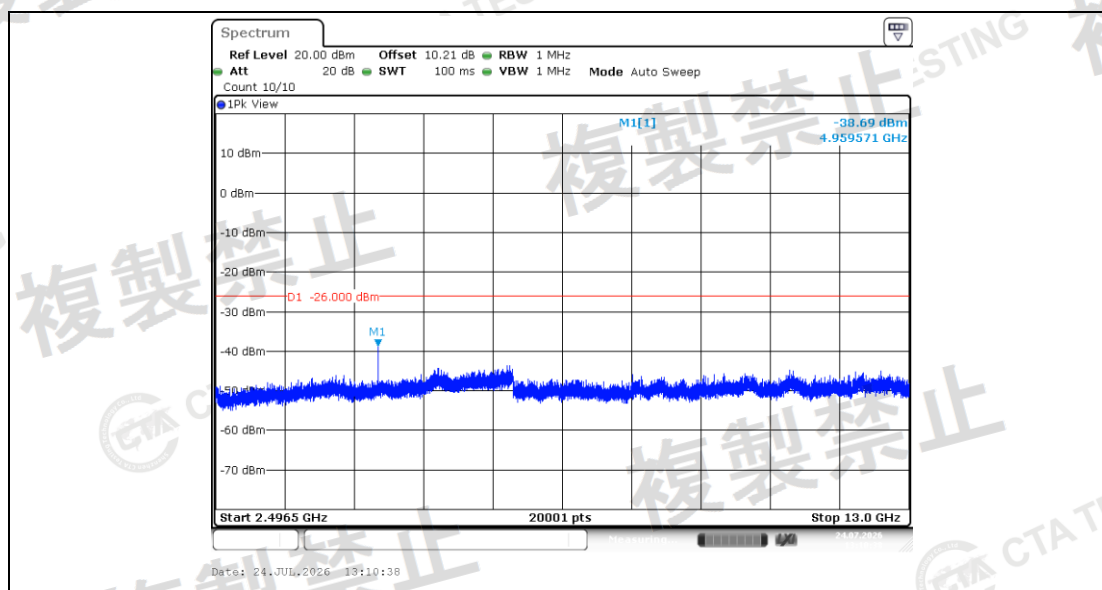
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Appendix E: Spurious Emission of RX

Test Result

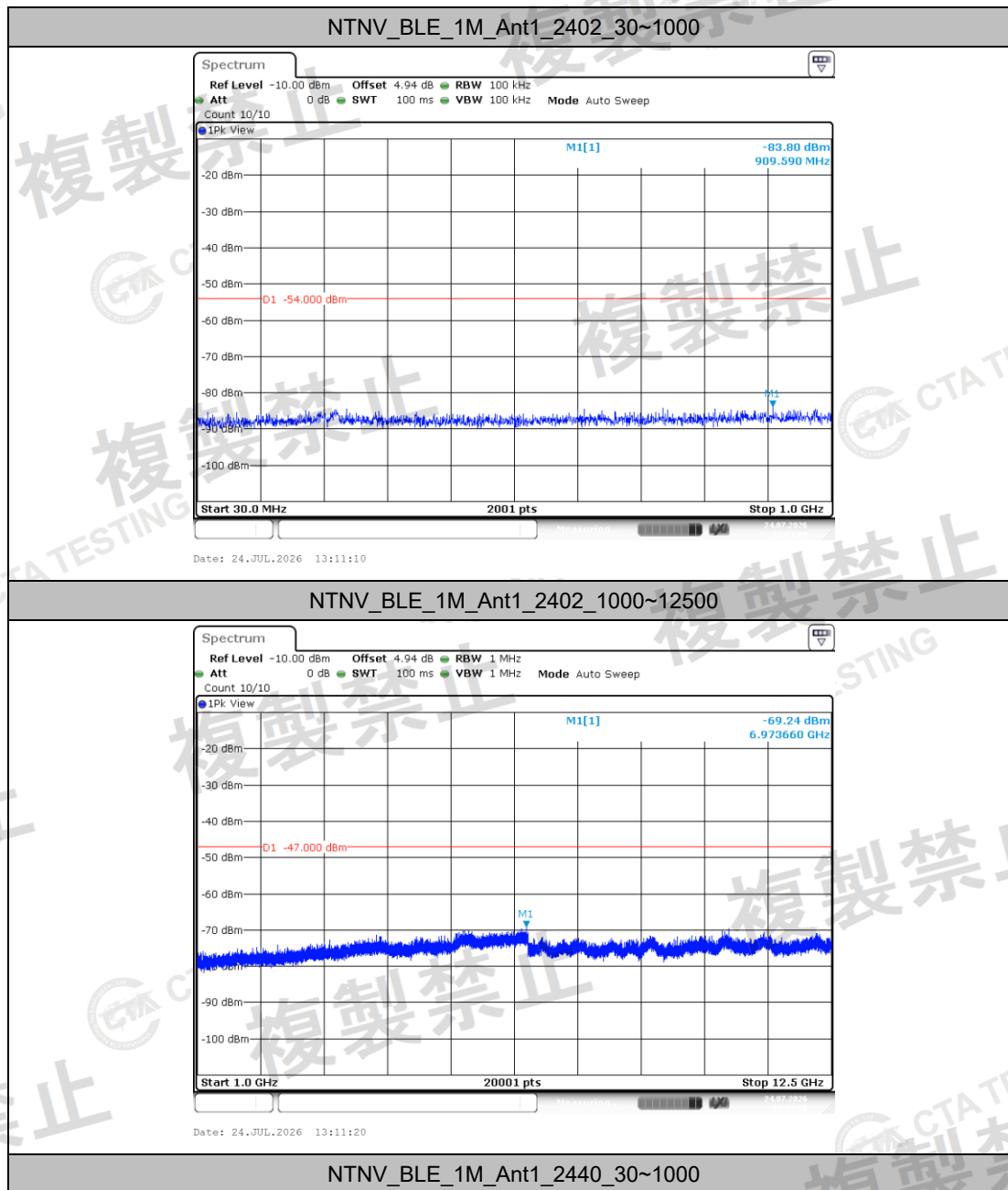
TestCondition	TestMode	Antenna	Freq(M Hz)	Freq.Range [MHz]	Freq. [MHz]	Result [dBm]	Limit [dBm]	Result [nW]	Limit [nW]	Verdict
NTNV	BLE_1M	Ant1	2402	30~1000	909.59	-83.80	≤-54	0.0041 7	≤4	PASS
				1000~12500	6973.6 6	-69.24	≤-47	0.11912	≤20	PASS
			2440	30~1000	860.15	-83.74	≤-54	0.0042 3	≤4	PASS
				1000~12500	6942.0 4	-68.95	≤-47	0.1273 5	≤20	PASS
			2480	30~1000	239.66	-84.03	≤-54	0.0039 5	≤4	PASS
				1000~12500	6610.8 6	-69.09	≤-47	0.1233 1	≤20	PASS



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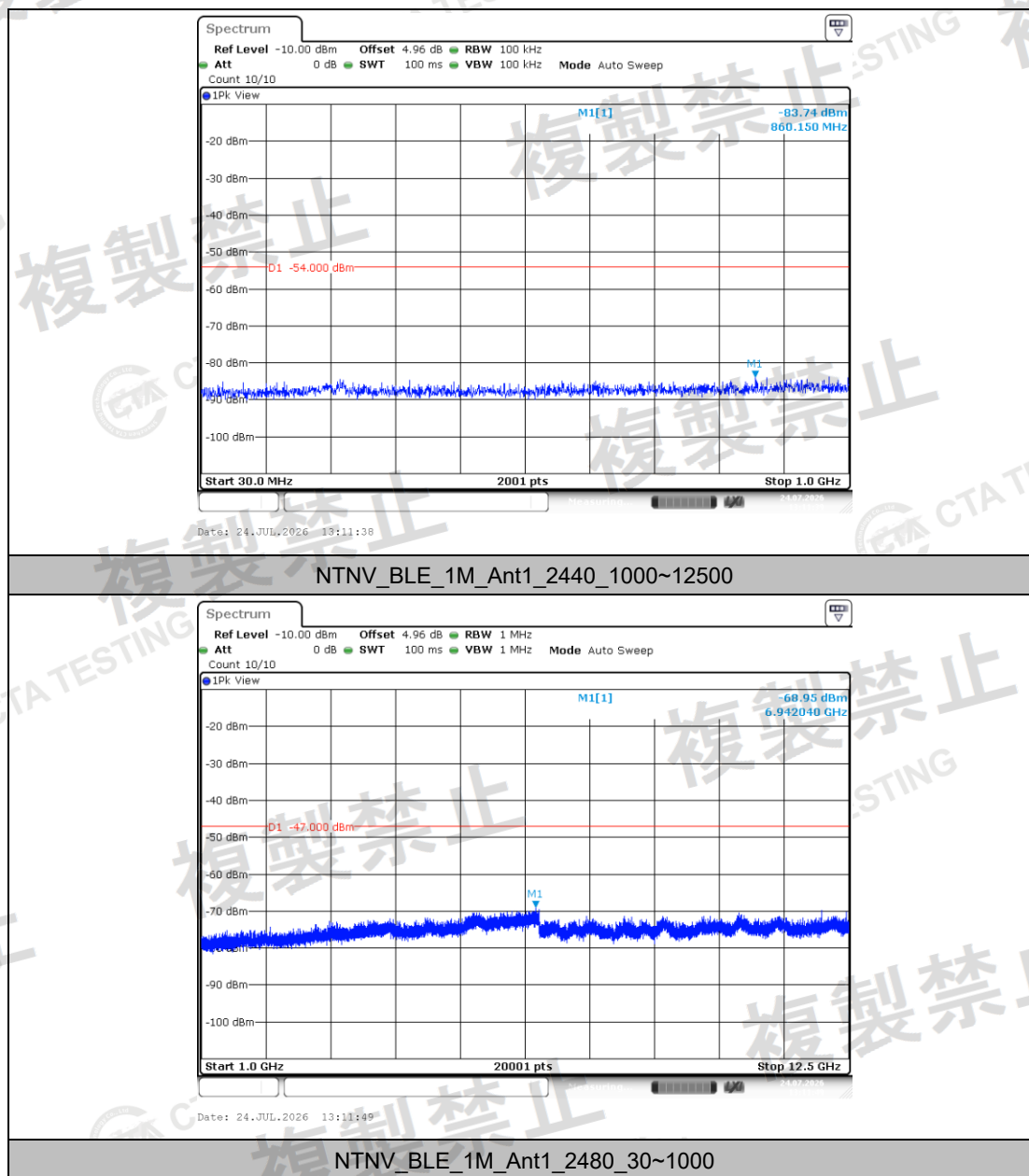
Test Graphs





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