



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 : V98Pro V4 Customized Mechanical Keyboard
Model Number : V98Pro V4
Report No. : CTA26071401701
Reviewed By : Eric Wang



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Appendix A: Frequency Error

Test Result

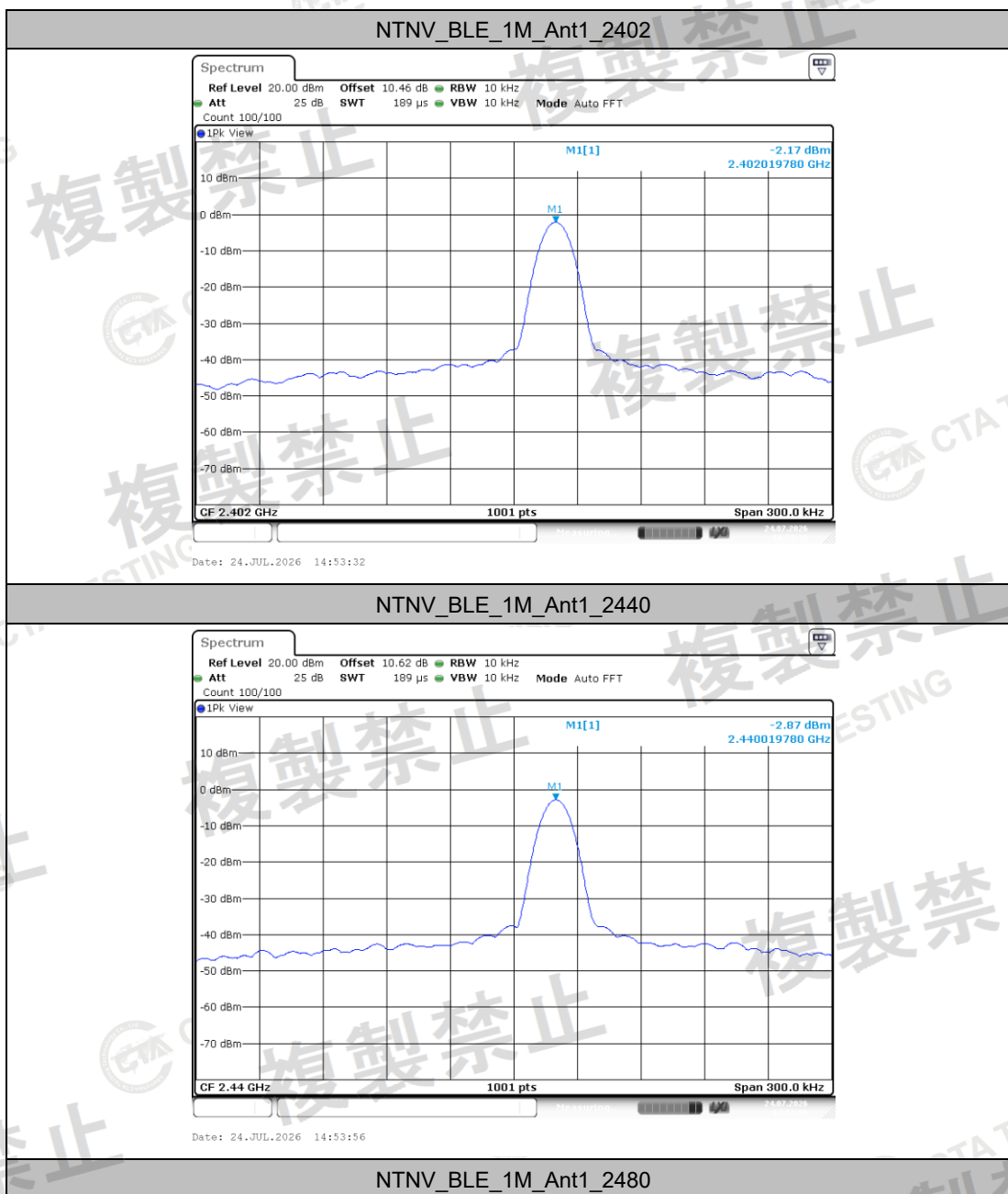
TestCondition	TestMode	Antenna	Freq(MHz)	Result[ppm]	Limit[ppm]	Verdict
NTNV	BLE_1M	Ant1	2402	8.23480	±50	PASS
			2440	8.10656	±50	PASS
			2480	8.09677	±50	PASS



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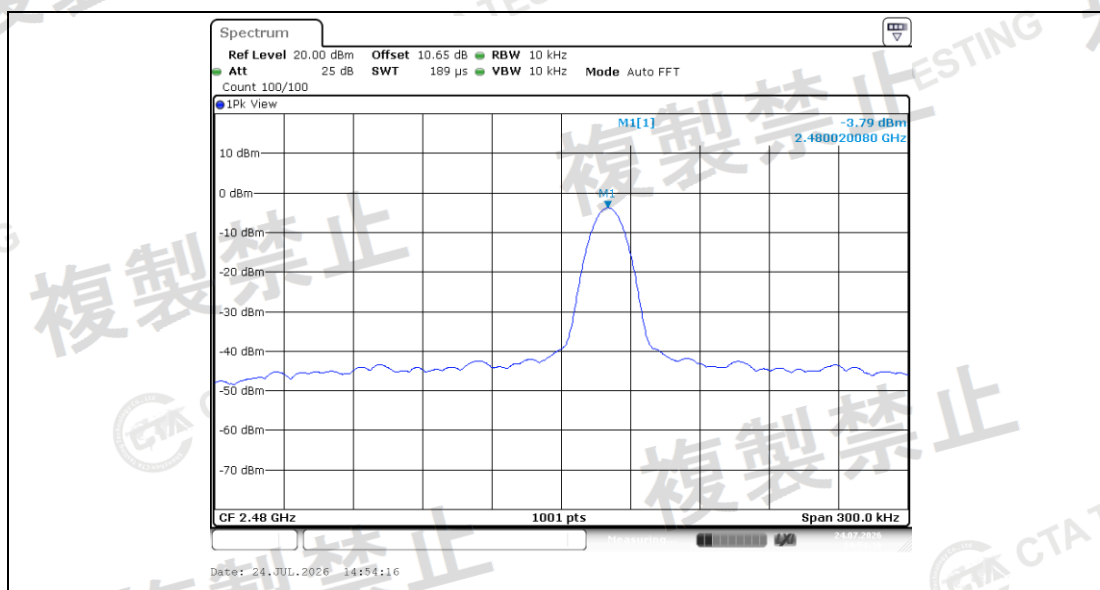
Test Graphs





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Appendix B: Occupied Bandwidth

Test Result

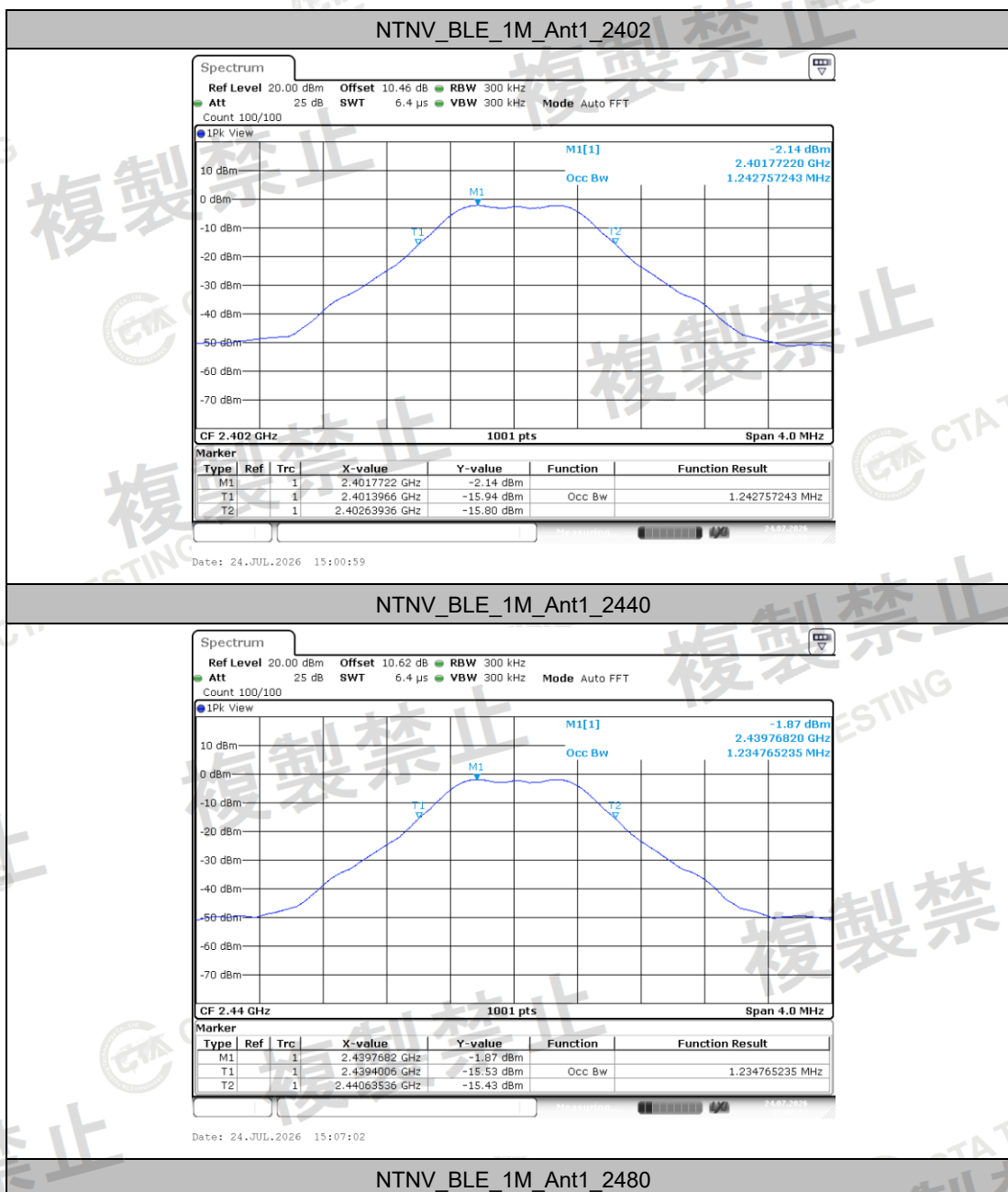
TestCondition	TestMode	Antenna	Freq(MHz)	Result [MHz]	Limit [MHz]	Verdict
NTNV	BLE_1M	Ant1	2402	1.243	≤26	PASS
			2440	1.235	≤26	PASS
			2480	1.243	≤26	PASS



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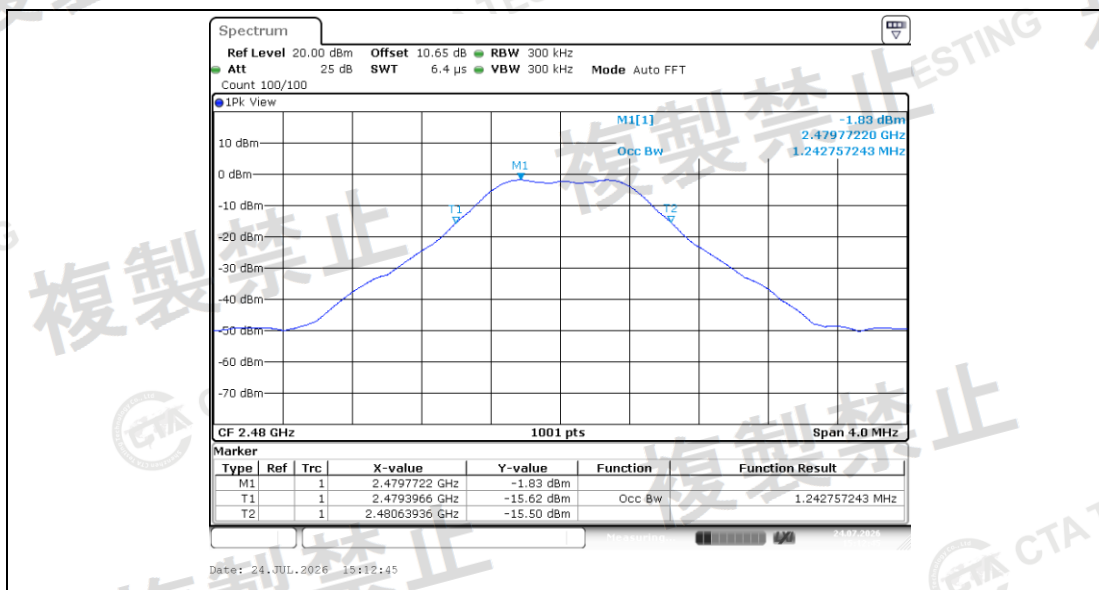
Test Graphs





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Appendix C: Spread Bandwidth

Test Result

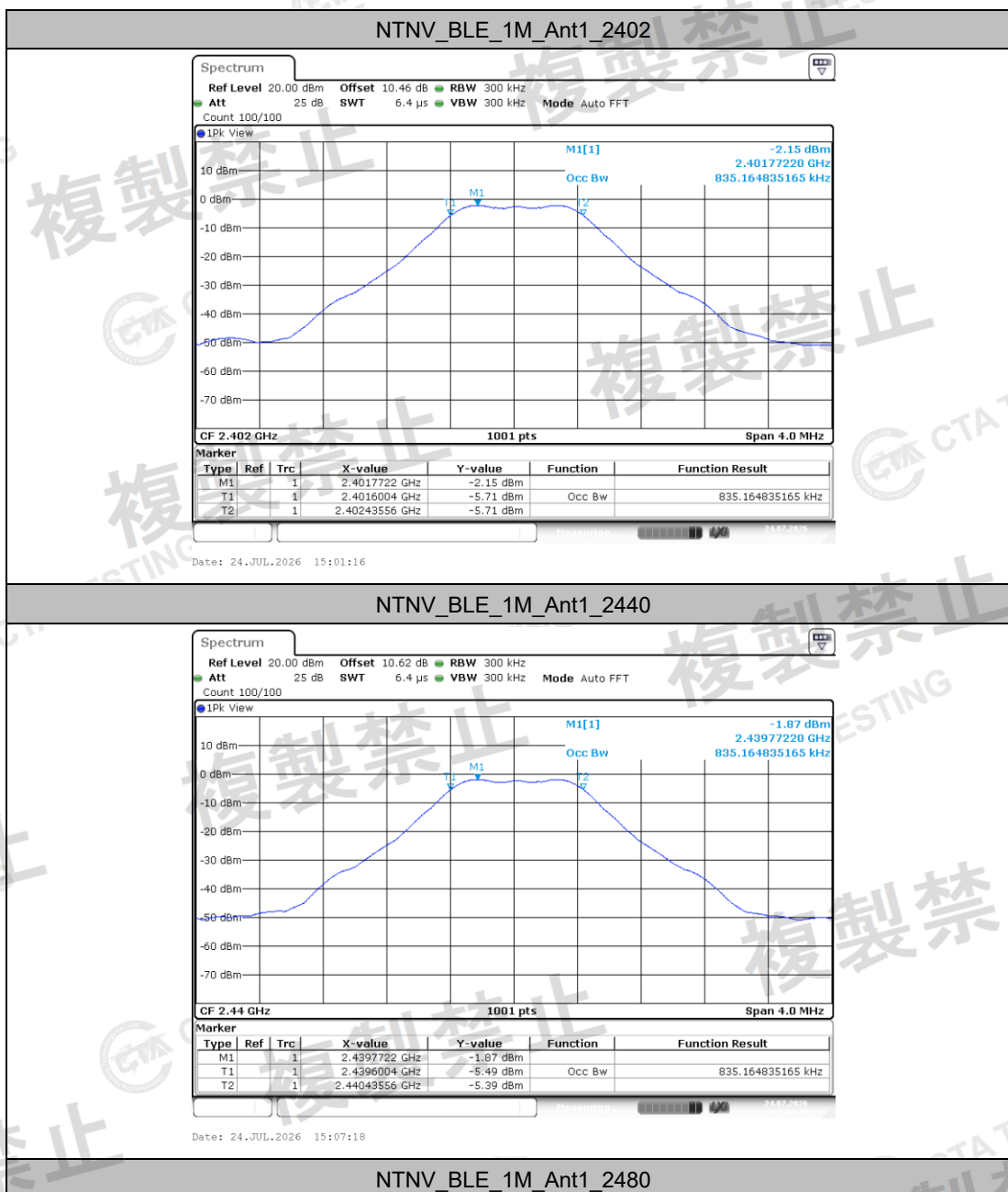
TestCondition	TestMode	Antenna	Freq(MHz)	Result [MHz]	Limit [MHz]	Verdict
NTNV	BLE_1M	Ant1	2402	0.835	≥ 0.5	PASS
			2440	0.835	≥ 0.5	PASS
			2480	0.835	≥ 0.5	PASS



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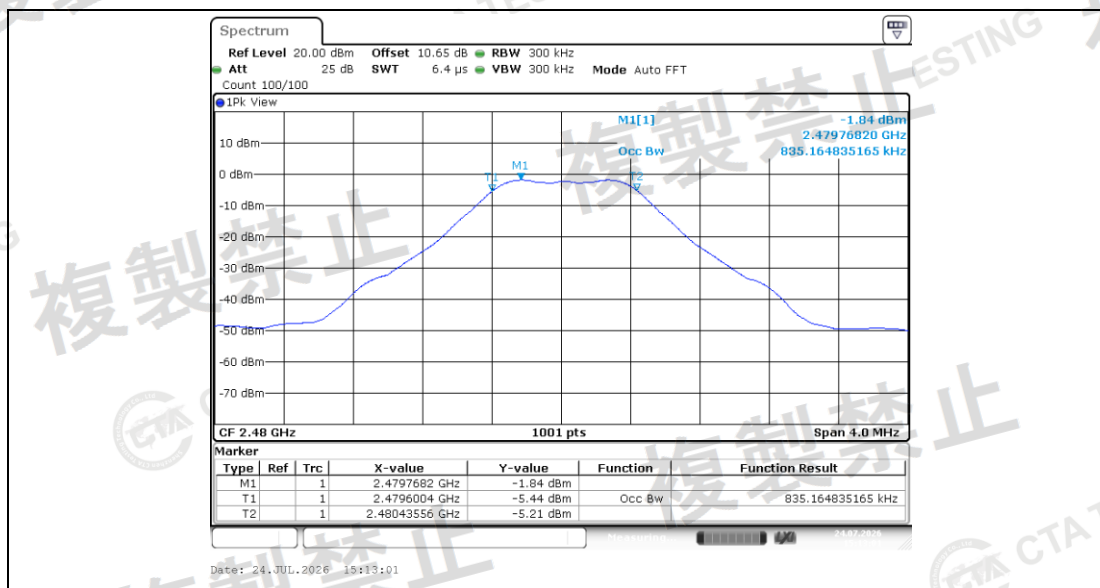
Test Graphs





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Appendix D: Spurious Emission of TX

Test Result

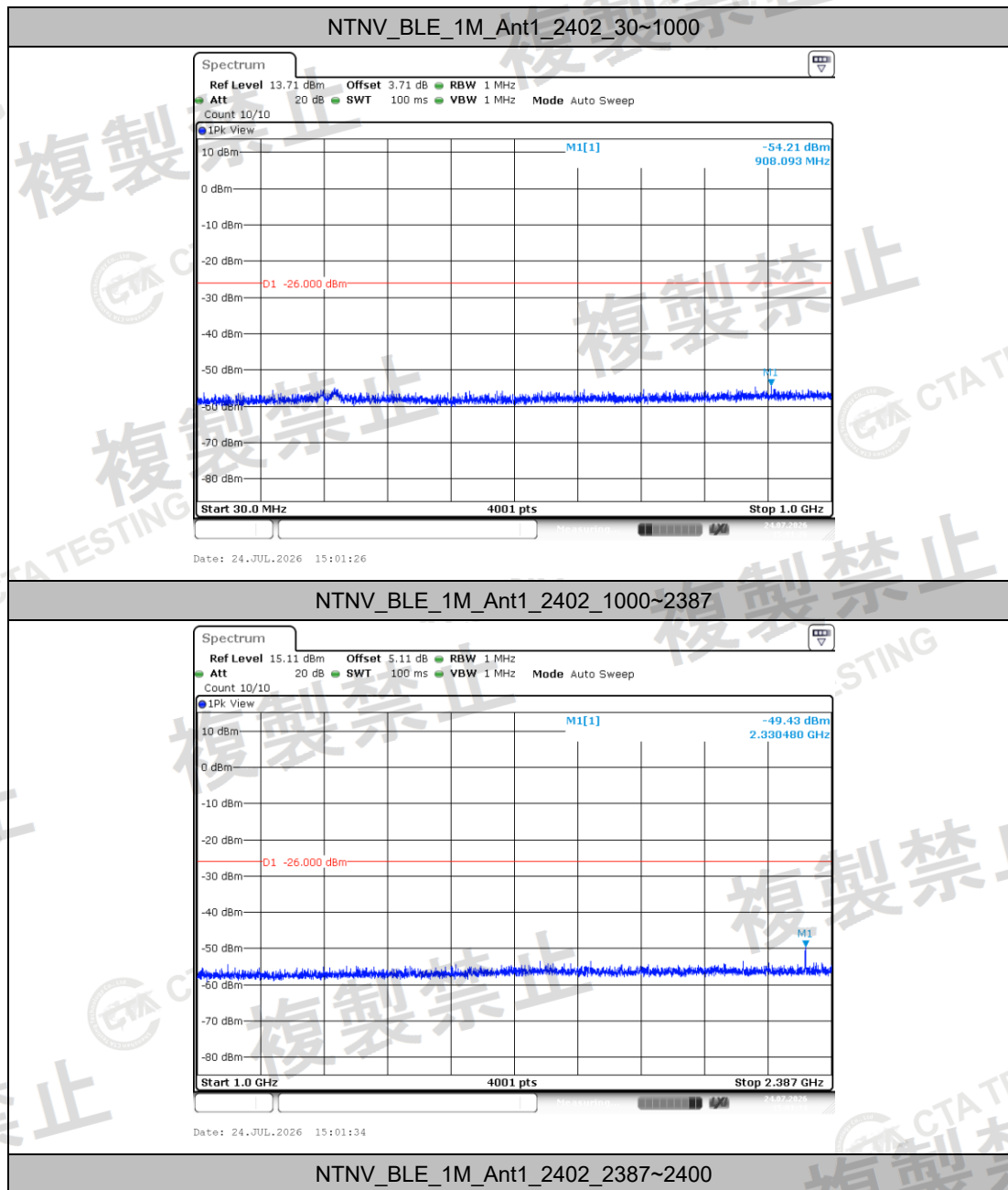
TestCondition	TestMode	Antenna	Freq(M Hz)	Freq.Range [MHz]	Freq. [MHz]	Result [dBm]	Limit [dBm]	Result [μW]	Limit [μW]	Verdict
NTNV	BLE_1M	Ant1	2402	30~1000	908.09	-54.21	≤-26	0.00379	≤2.5	PASS
				1000~2387	2330.48	-49.43	≤-26	0.01140	≤2.5	PASS
				2387~2400	2400.00	-34.24	≤-16	0.37670	≤25	PASS
				2483.5~2496.5	2489.97	-43.84	≤-16	0.04130	≤25	PASS
				2496.5~13000	6901.67	-42.96	≤-26	0.05058	≤2.5	PASS
			2440	30~1000	219.64	-54.32	≤-26	0.00370	≤2.5	PASS
				1000~2387	2367.93	-49.58	≤-26	0.01102	≤2.5	PASS
				2387~2400	2393.31	-43.66	≤-16	0.04305	≤25	PASS
				2483.5~2496.5	2493.47	-43.57	≤-16	0.04395	≤25	PASS
				2496.5~13000	7320.76	-42.08	≤-26	0.06194	≤2.5	PASS
			2480	30~1000	926.77	-54.71	≤-26	0.00338	≤2.5	PASS
				1000~2387	1685.87	-52.91	≤-26	0.00512	≤2.5	PASS
				2387~2400	2399.13	-43.98	≤-16	0.03999	≤25	PASS
				2483.5~2496.5	2489.56	-43.31	≤-16	0.04667	≤25	PASS
				2496.5~13000	7439.45	-40.55	≤-26	0.08810	≤2.5	PASS



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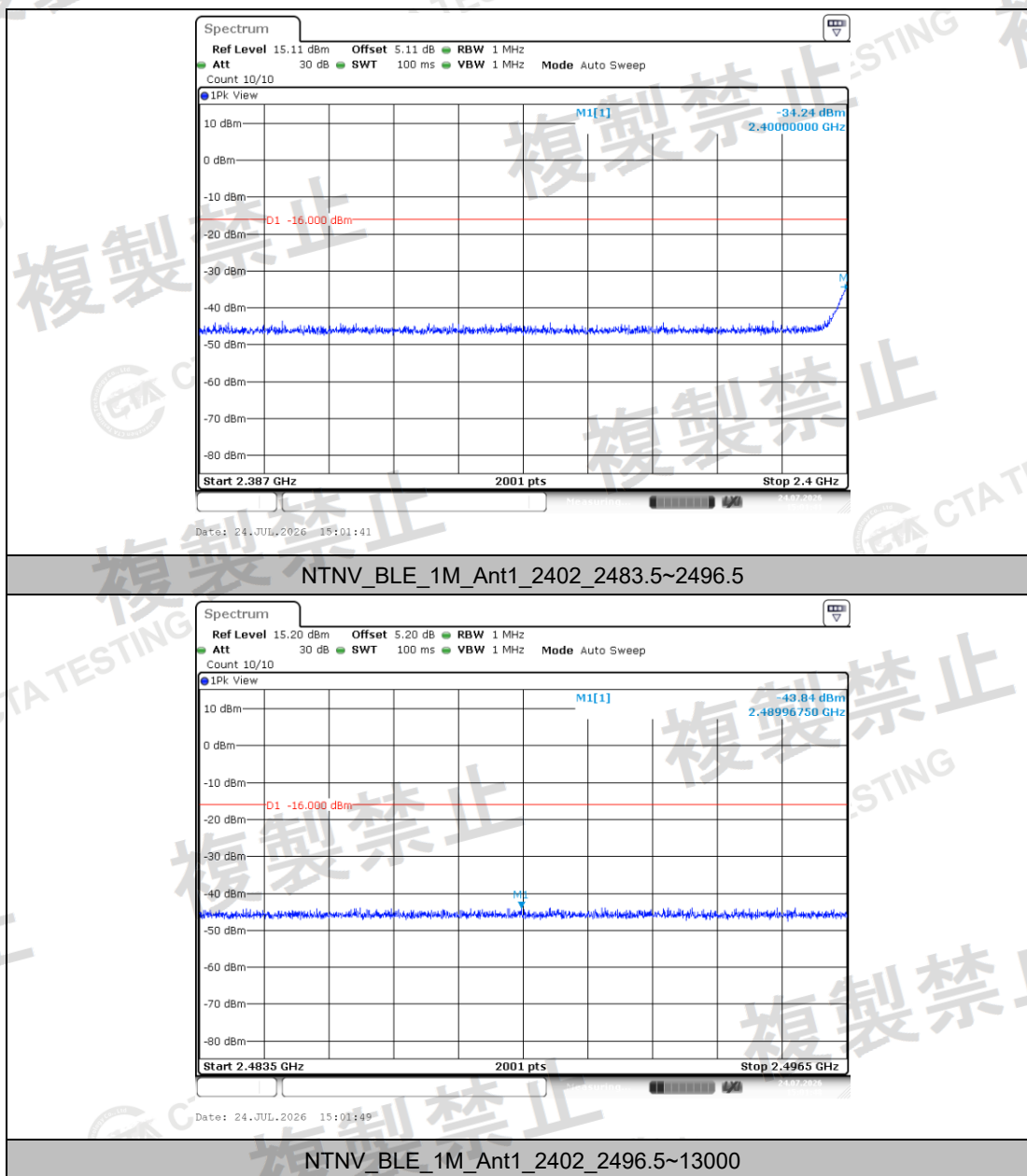
Test Graphs





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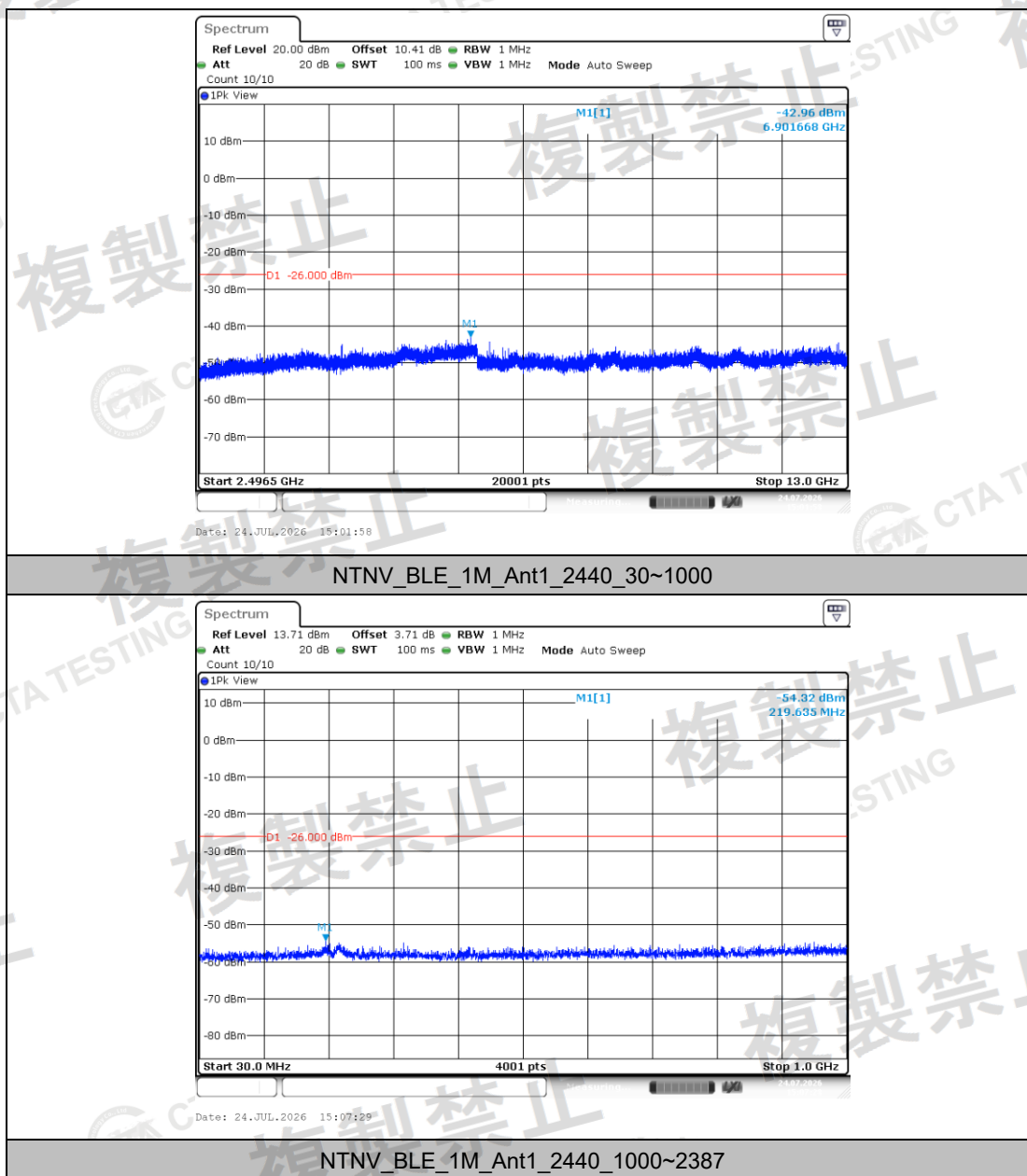
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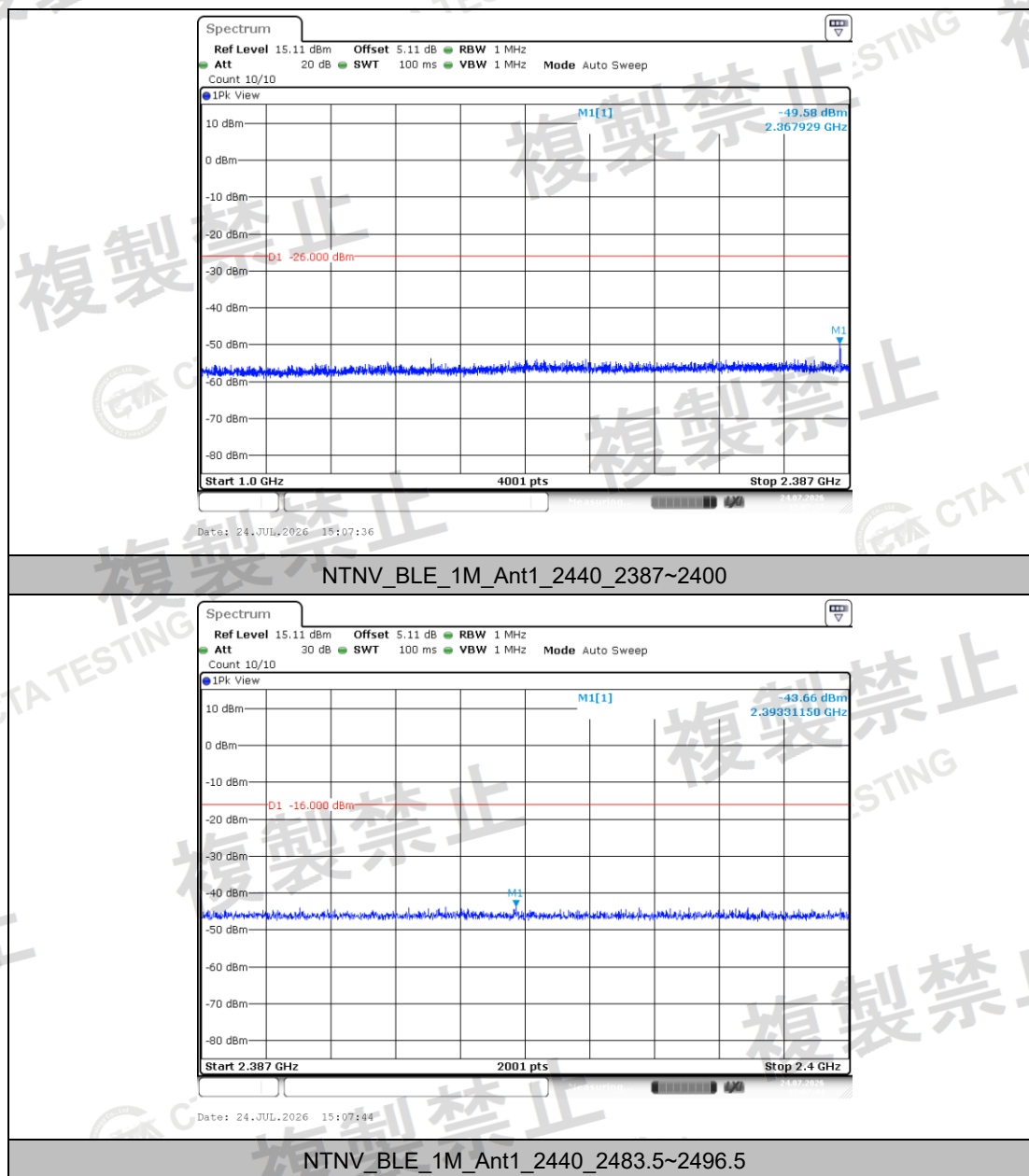
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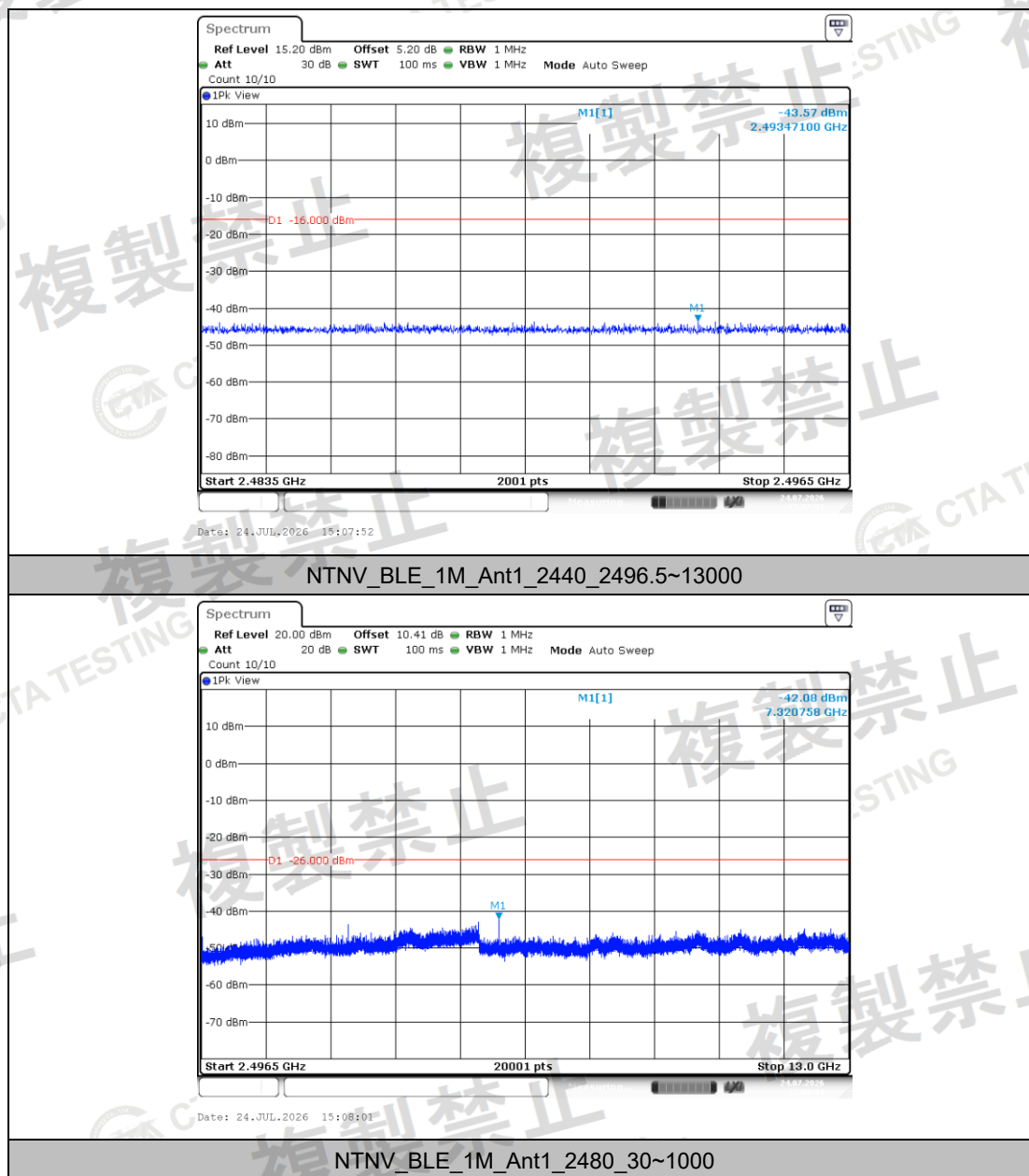
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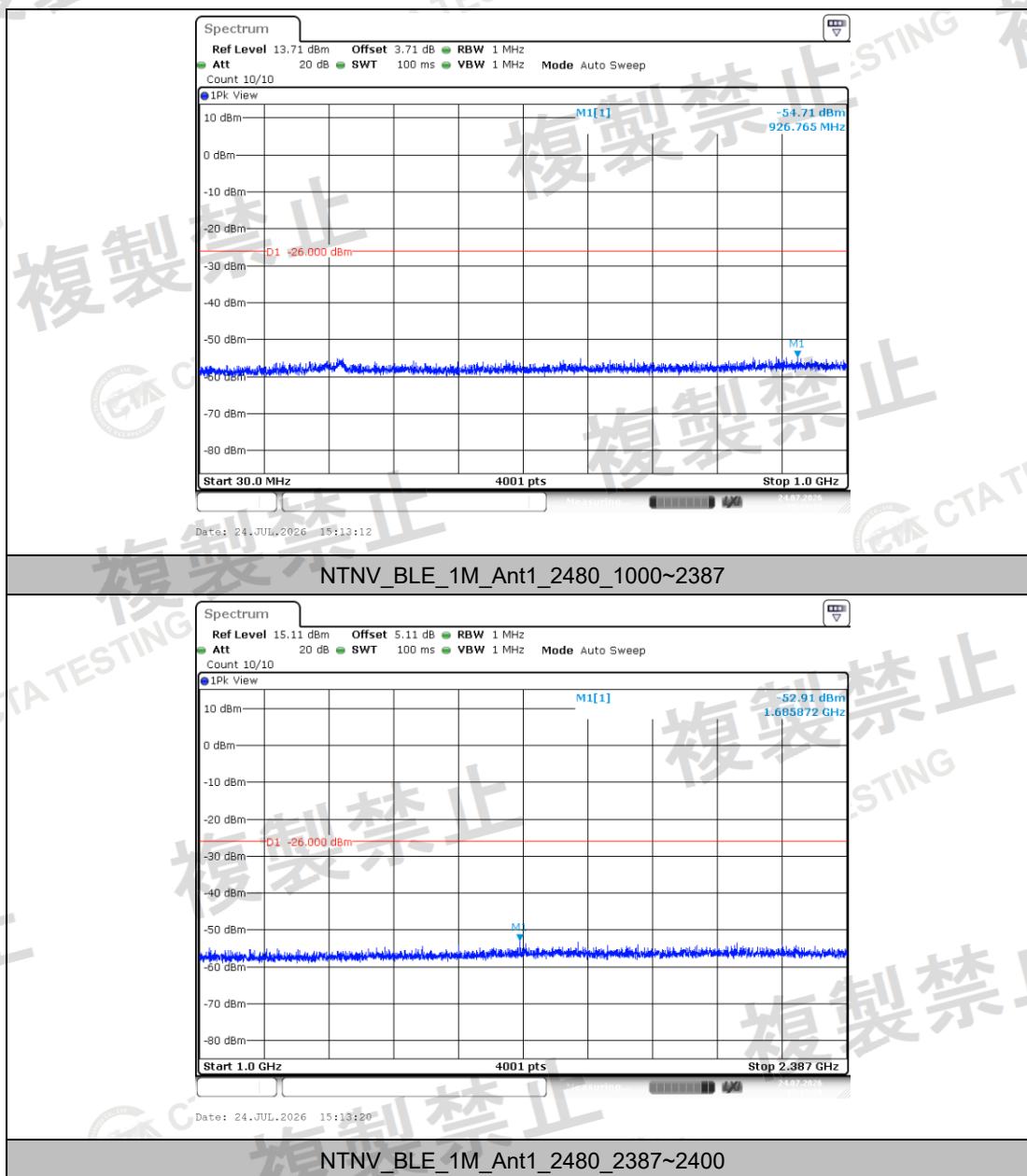
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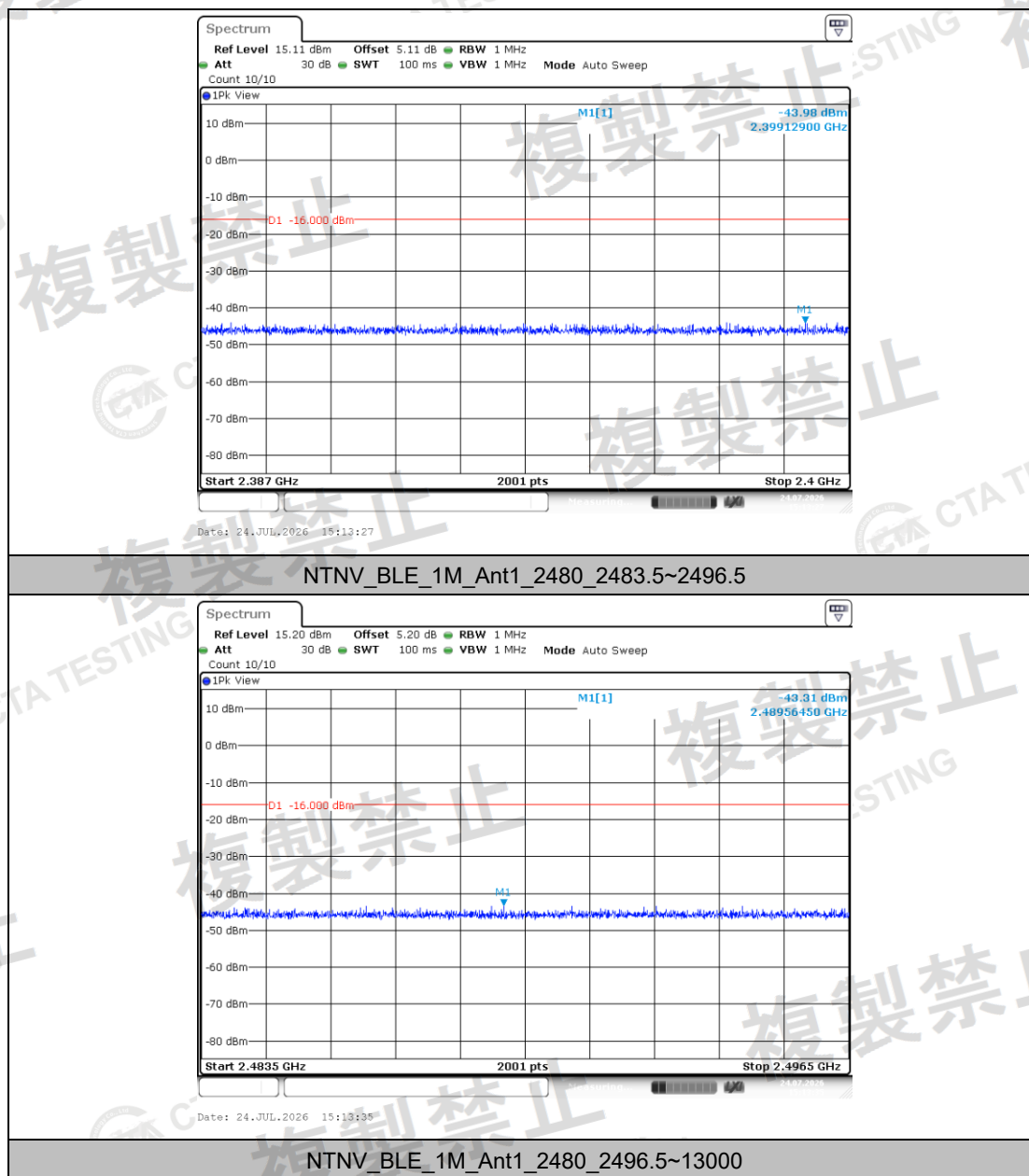
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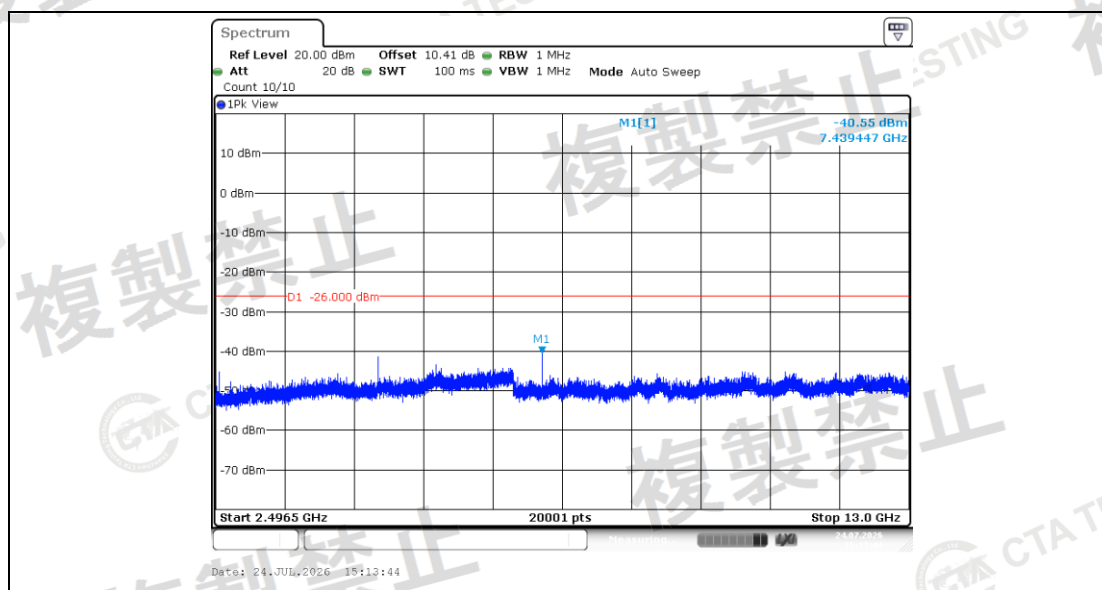
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Appendix E: Spurious Emission of RX

Test Result

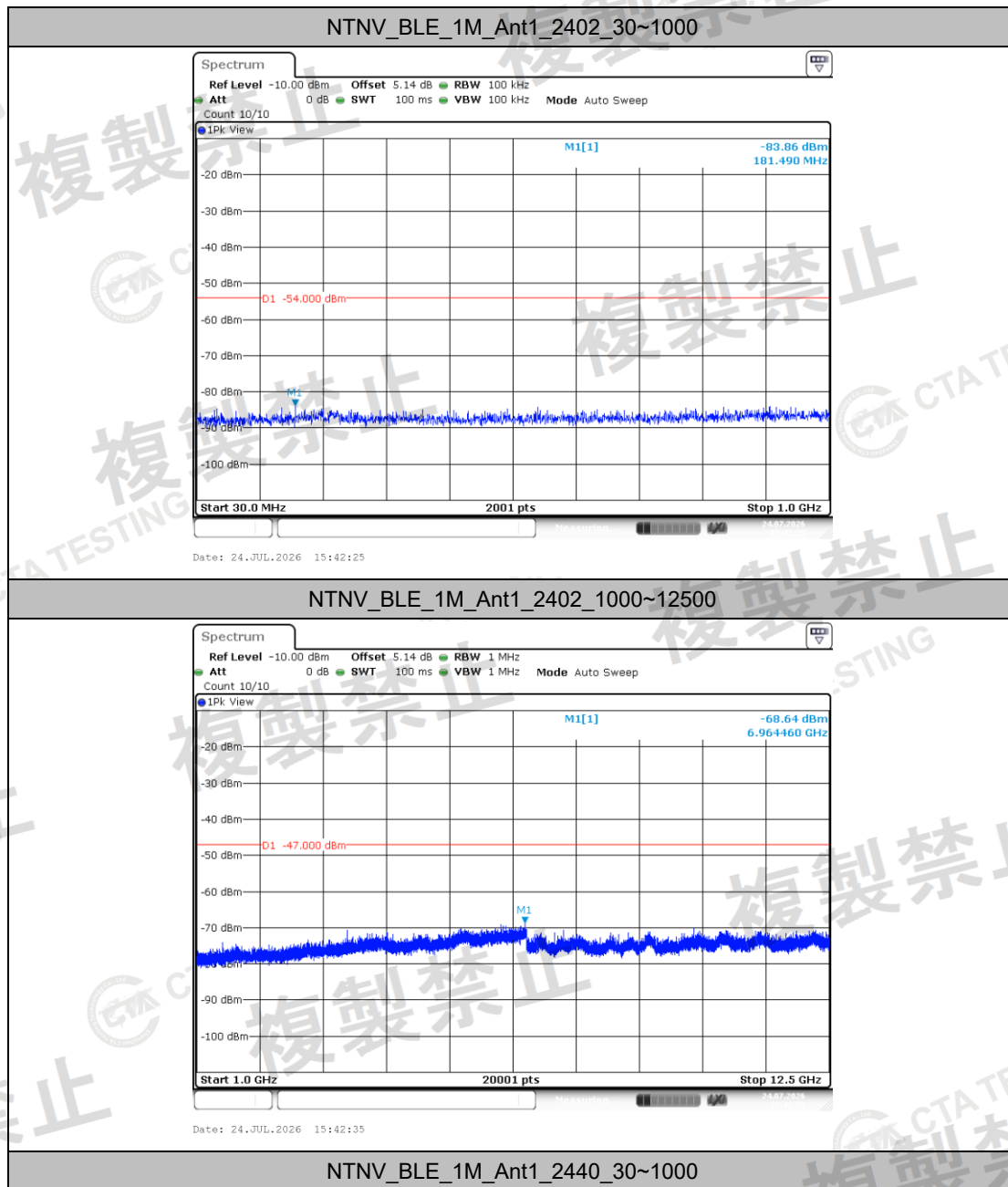
TestCondition	TestMode	Antenna	Freq(M Hz)	Freq.Range [MHz]	Freq. [MHz]	Result [dBm]	Limit [dBm]	Result [nW]	Limit [nW]	Verdict
NTNV	BLE_1M	Ant1	2402	30~1000	181.49	-83.86	≤-54	0.00411	≤4	PASS
				1000~12500	6964.4 6	-68.64	≤-47	0.1367 7	≤20	PASS
			2440	30~1000	911.53	-82.85	≤-54	0.0051 9	≤4	PASS
				1000~12500	6991.4 9	-69.17	≤-47	0.1210 6	≤20	PASS
			2480	30~1000	974.55	-83.23	≤-54	0.0047 5	≤4	PASS
				1000~12500	6437.2 2	-68.84	≤-47	0.1306 2	≤20	PASS



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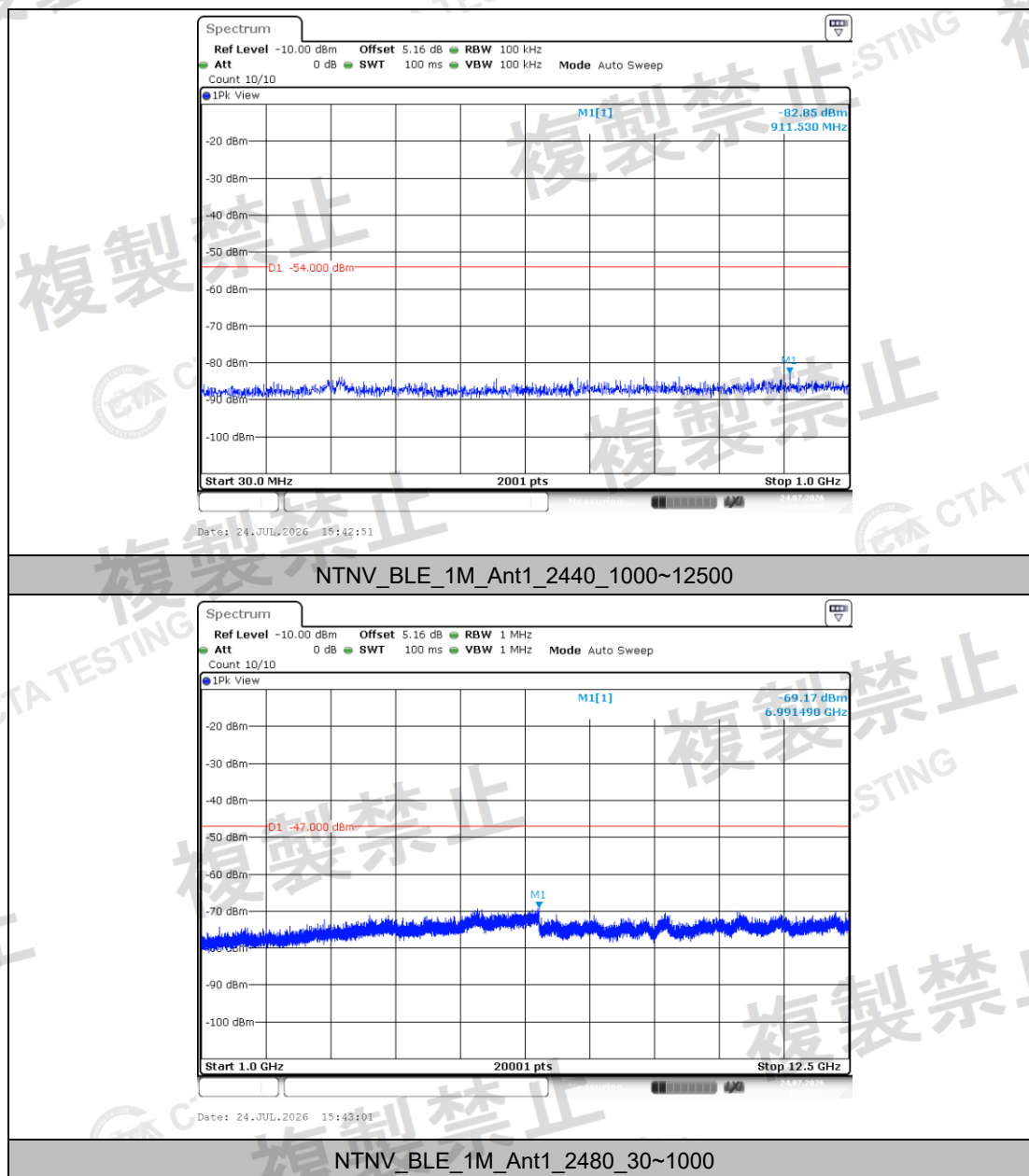
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