



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 : SOHIMI JAPAN, K.K.

EUT : Massager

Model Number : Kai'Sa II

Report No. : CTA26070700601

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	4.86678	±50	PASS
			2440	4.54508	±50	PASS
			2480	4.35081	±50	PASS

TestCondition	TestMode	Antenna	Freq(MHz)	Result[ppm]	Limit[ppm]	Verdict
NTLV	BLE_1M	Ant1	2402	4.57899	±50	PASS
			2440	4.30427	±50	PASS
			2480	4.11257	±50	PASS

TestCondition	TestMode	Antenna	Freq(MHz)	Result[ppm]	Limit[ppm]	Verdict
NTHV	BLE_1M	Ant1	2402	4.53016	±50	PASS
			2440	4.28903	±50	PASS
			2480	4.10742	±50	PASS

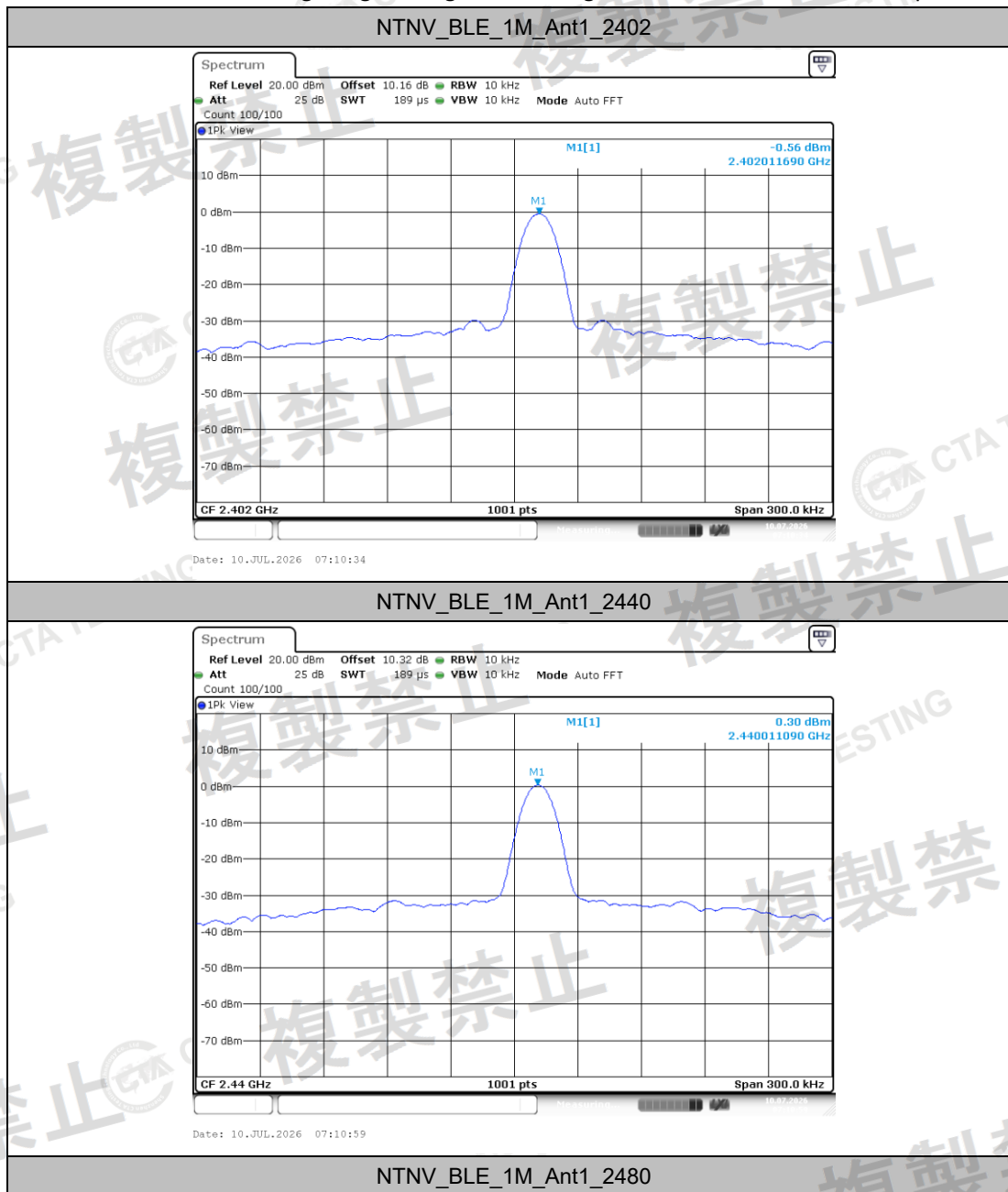


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Test Graphs

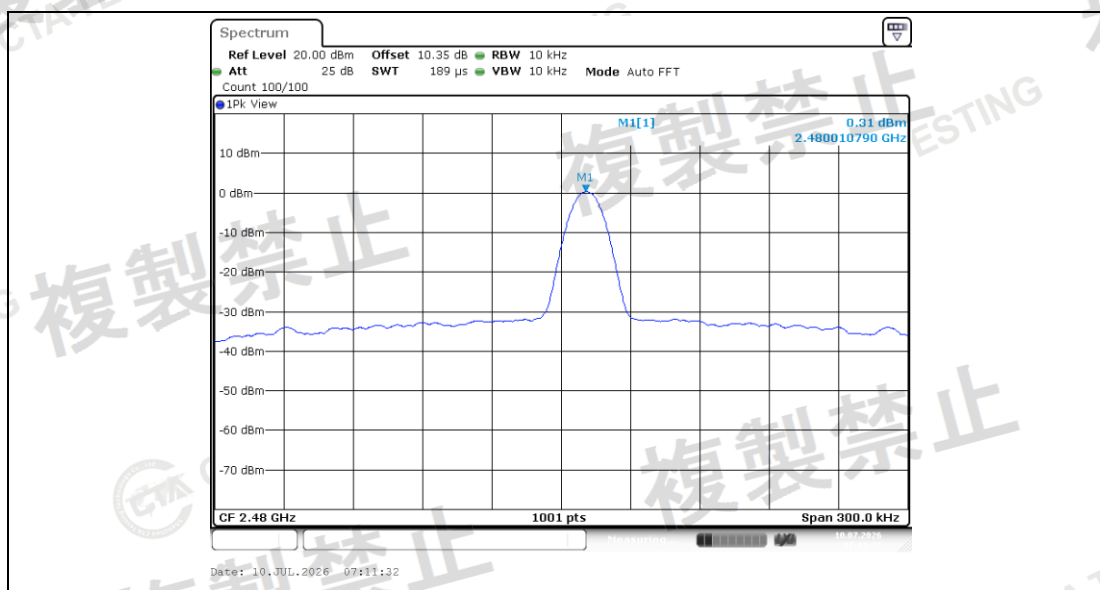
Note: We test Normal Voltage, High Voltage, Low Voltage, and recorded the worst test plot.





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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	1.255	≤26	PASS
			2440	1.235	≤26	PASS
			2480	1.203	≤26	PASS

TestCondition	TestMode	Antenna	Freq(MHz)	Result [MHz]	Limit [MHz]	Verdict
NTLV	BLE_1M	Ant1	2402	1.251	≤26	PASS
			2440	1.232	≤26	PASS
			2480	1.198	≤26	PASS

TestCondition	TestMode	Antenna	Freq(MHz)	Result [MHz]	Limit [MHz]	Verdict
NTHV	BLE_1M	Ant1	2402	1.252	≤26	PASS
			2440	1.230	≤26	PASS
			2480	1.201	≤26	PASS

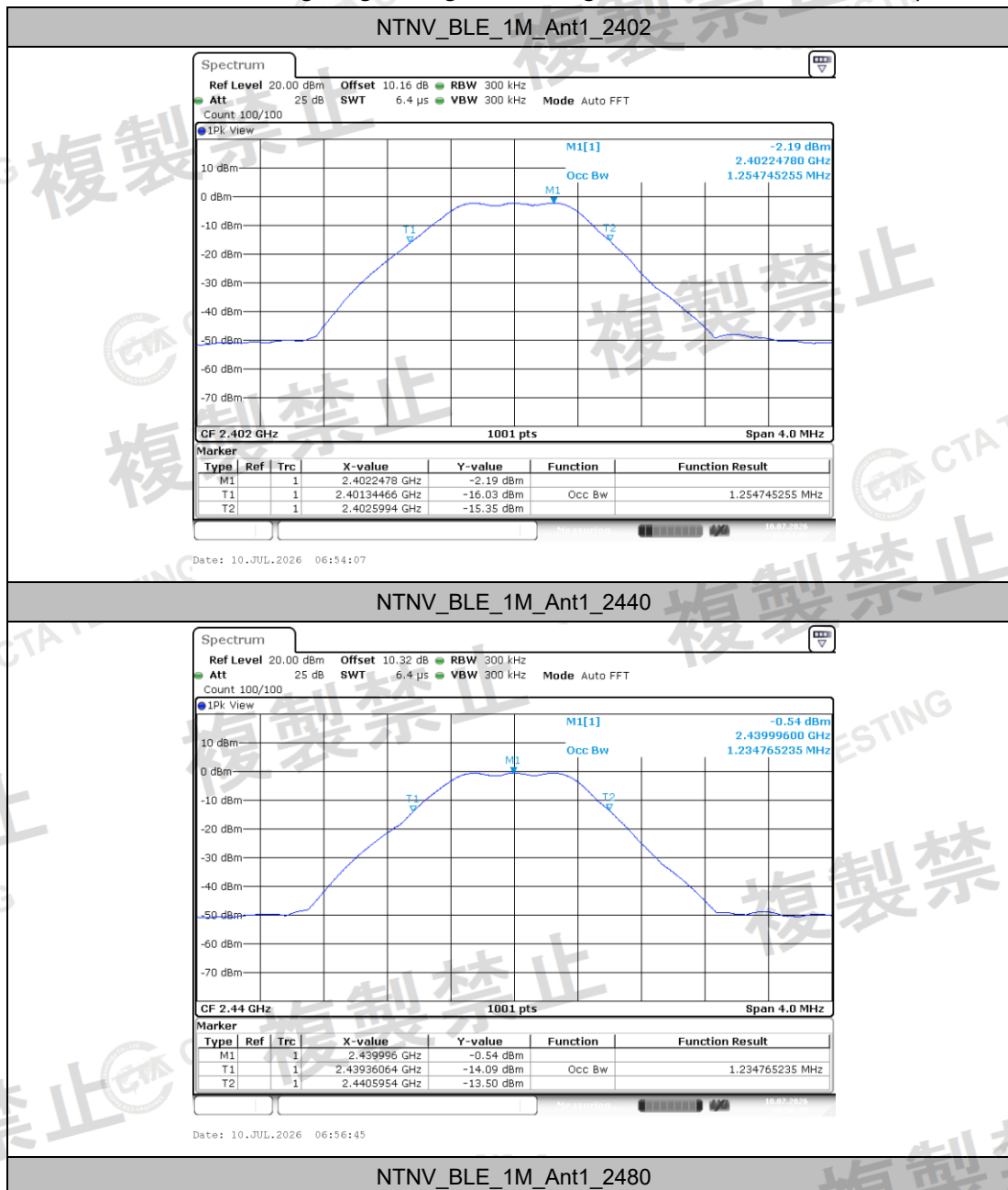


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Test Graphs

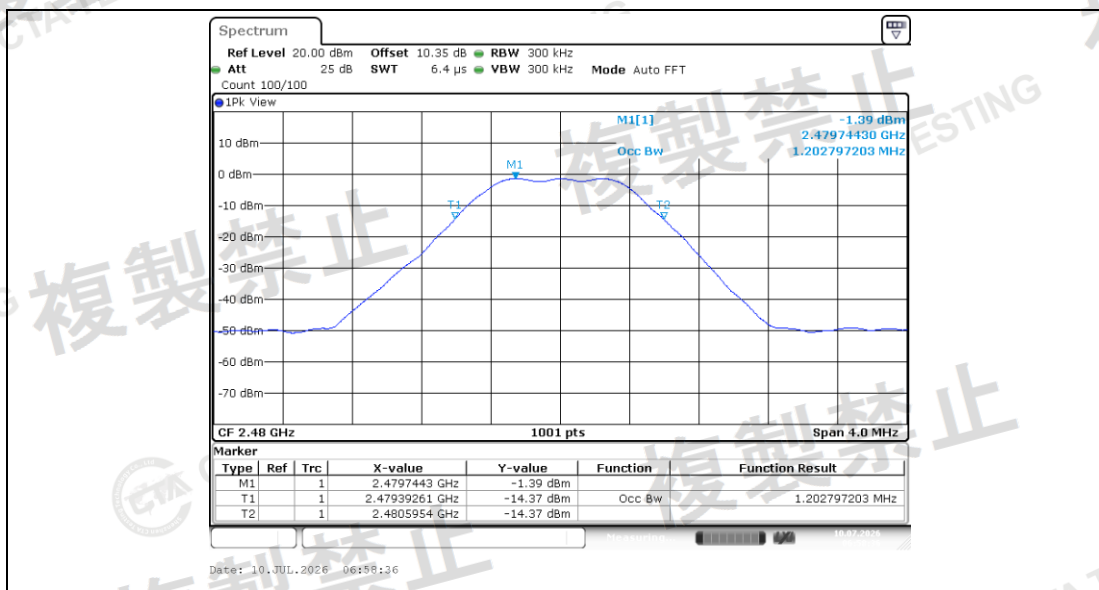
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Appendix C: Spread Bandwidth

Test Result

TestCondition	TestMode	Antenna	Freq(MHz)	Result [MHz]	Limit [MHz]	Verdict
NTNV	BLE_1M	Ant1	2402	0.819	≥0.5	PASS
			2440	0.831	≥0.5	PASS
			2480	0.835	≥0.5	PASS

TestCondition	TestMode	Antenna	Freq(MHz)	Result [MHz]	Limit [MHz]	Verdict
NTLV	BLE_1M	Ant1	2402	0.815	≥0.5	PASS
			2440	0.826	≥0.5	PASS
			2480	0.833	≥0.5	PASS

TestCondition	TestMode	Antenna	Freq(MHz)	Result [MHz]	Limit [MHz]	Verdict
NTHV	BLE_1M	Ant1	2402	0.817	≥0.5	PASS
			2440	0.830	≥0.5	PASS
			2480	0.833	≥0.5	PASS

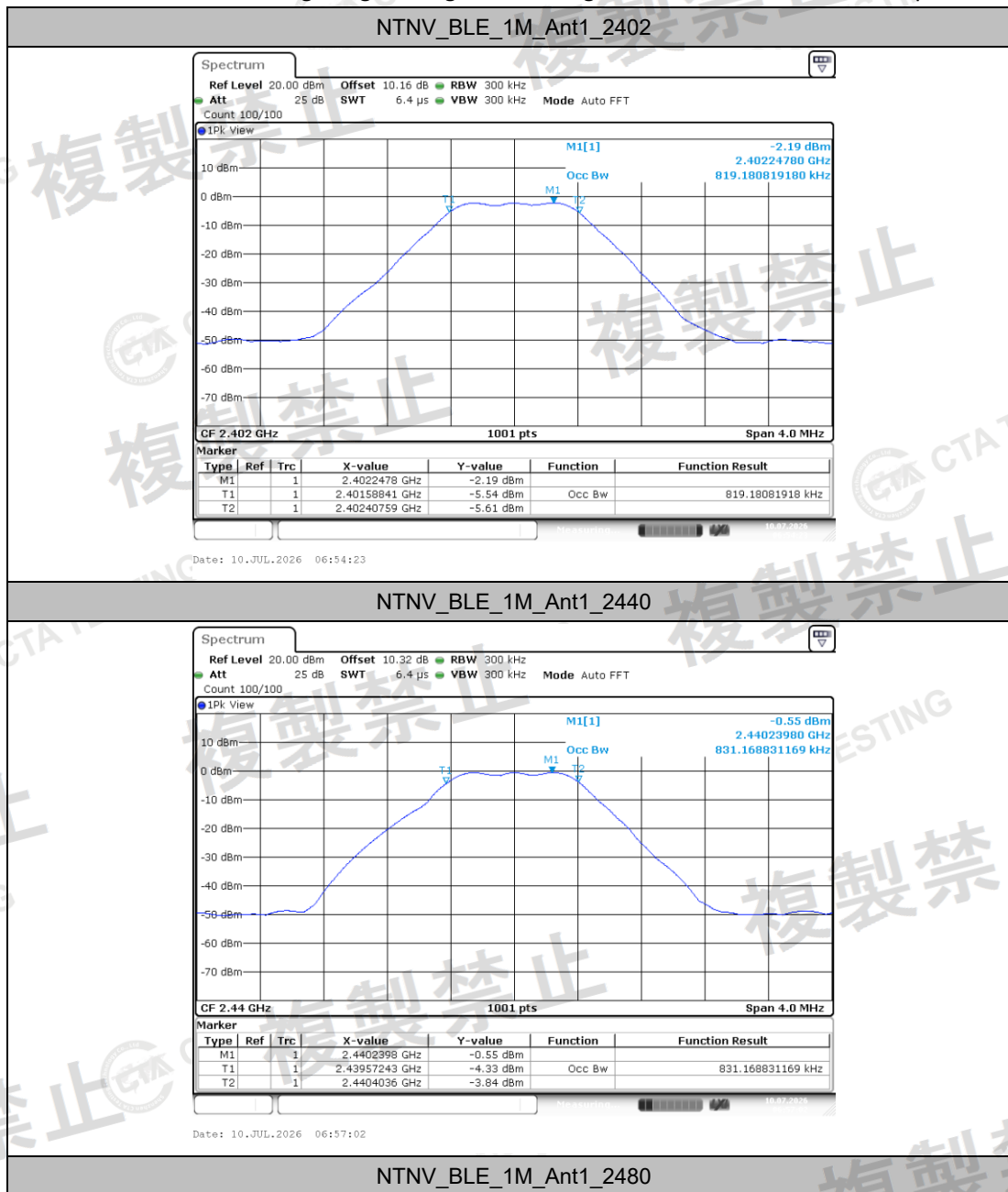


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Test Graphs

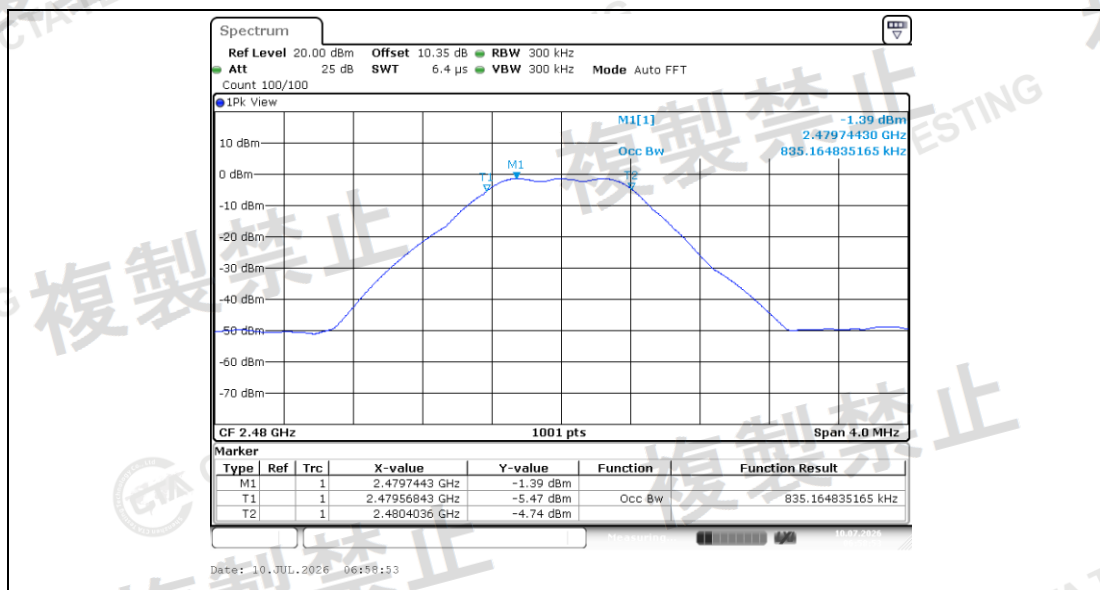
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Appendix D: Spurious Emission of TX

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	218.67	-55.00	≤-26	0.00316	≤2.5	PASS
				1000~2387	2171.67	-54.29	≤-26	0.00372	≤2.5	PASS
				2387~2400	2400.00	-32.88	≤-16	0.51523	≤25	PASS
				2483.5~2496.5	2491.90	-42.94	≤-16	0.05082	≤25	PASS
				2496.5~13000	6861.75	-44.22	≤-26	0.03784	≤2.5	PASS
			2440	30~1000	240.01	-54.80	≤-26	0.00331	≤2.5	PASS
				1000~2387	2259.05	-54.33	≤-26	0.00369	≤2.5	PASS
				2387~2400	2392.72	-44.37	≤-16	0.03656	≤25	PASS
				2483.5~2496.5	2491.61	-43.38	≤-16	0.04592	≤25	PASS
				2496.5~13000	6887.49	-44.00	≤-26	0.03981	≤2.5	PASS
			2480	30~1000	240.73	-53.54	≤-26	0.00443	≤2.5	PASS
				1000~2387	2036.78	-54.32	≤-26	0.00370	≤2.5	PASS
				2387~2400	2390.87	-43.88	≤-16	0.04093	≤25	PASS
				2483.5~2496.5	2485.92	-43.70	≤-16	0.04266	≤25	PASS
				2496.5~13000	6951.03	-42.26	≤-26	0.05943	≤2.5	PASS

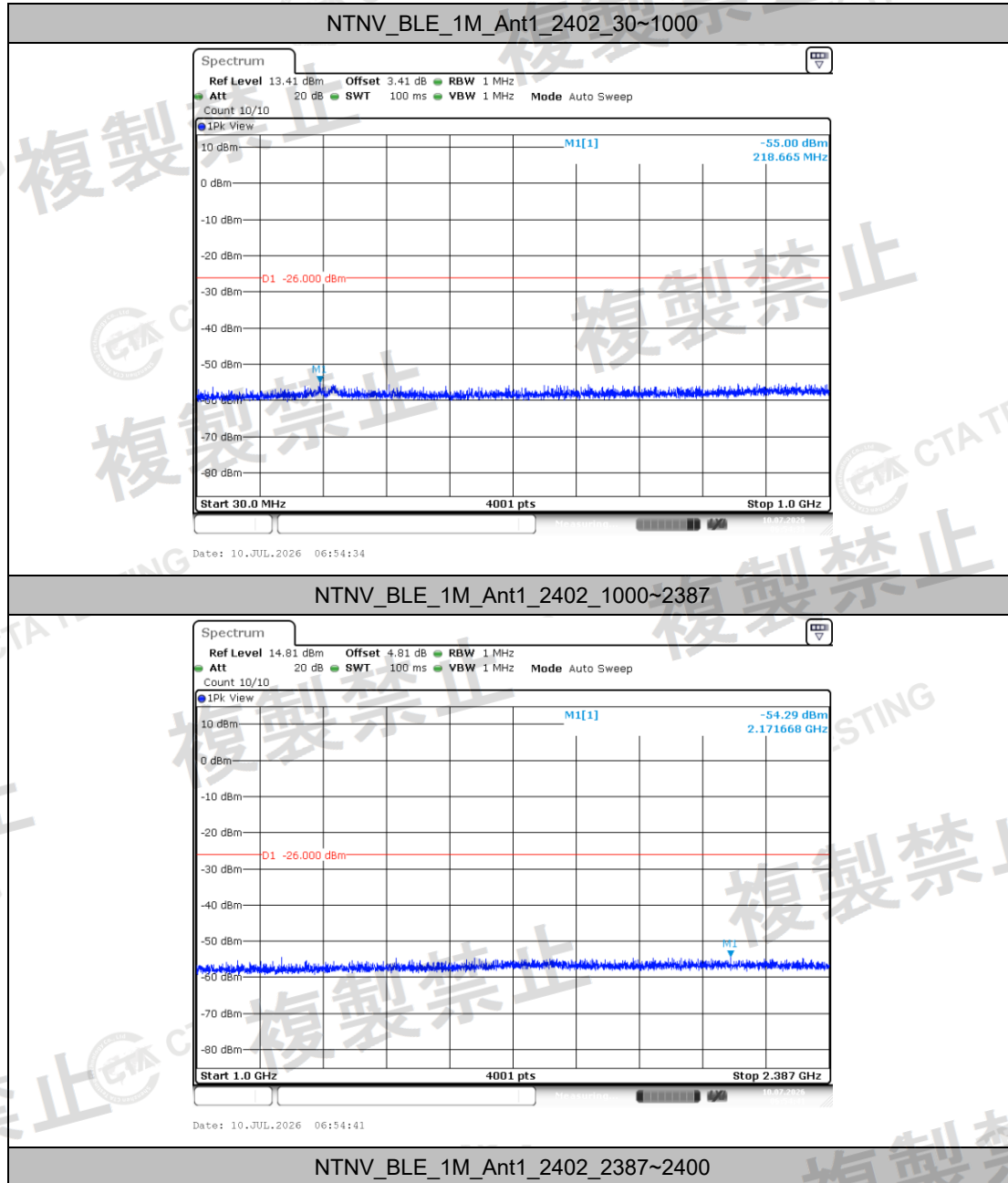


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Test Graphs

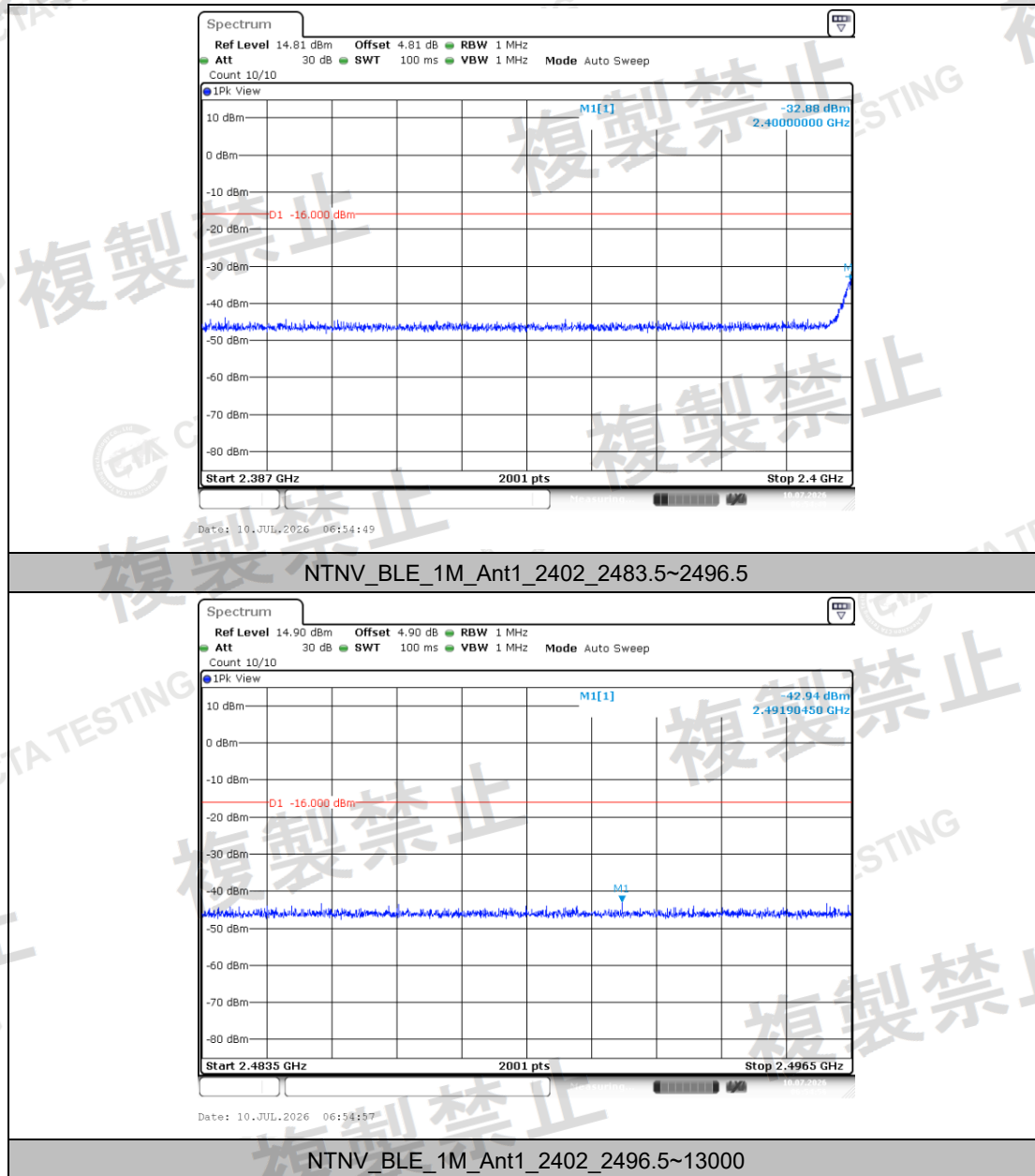
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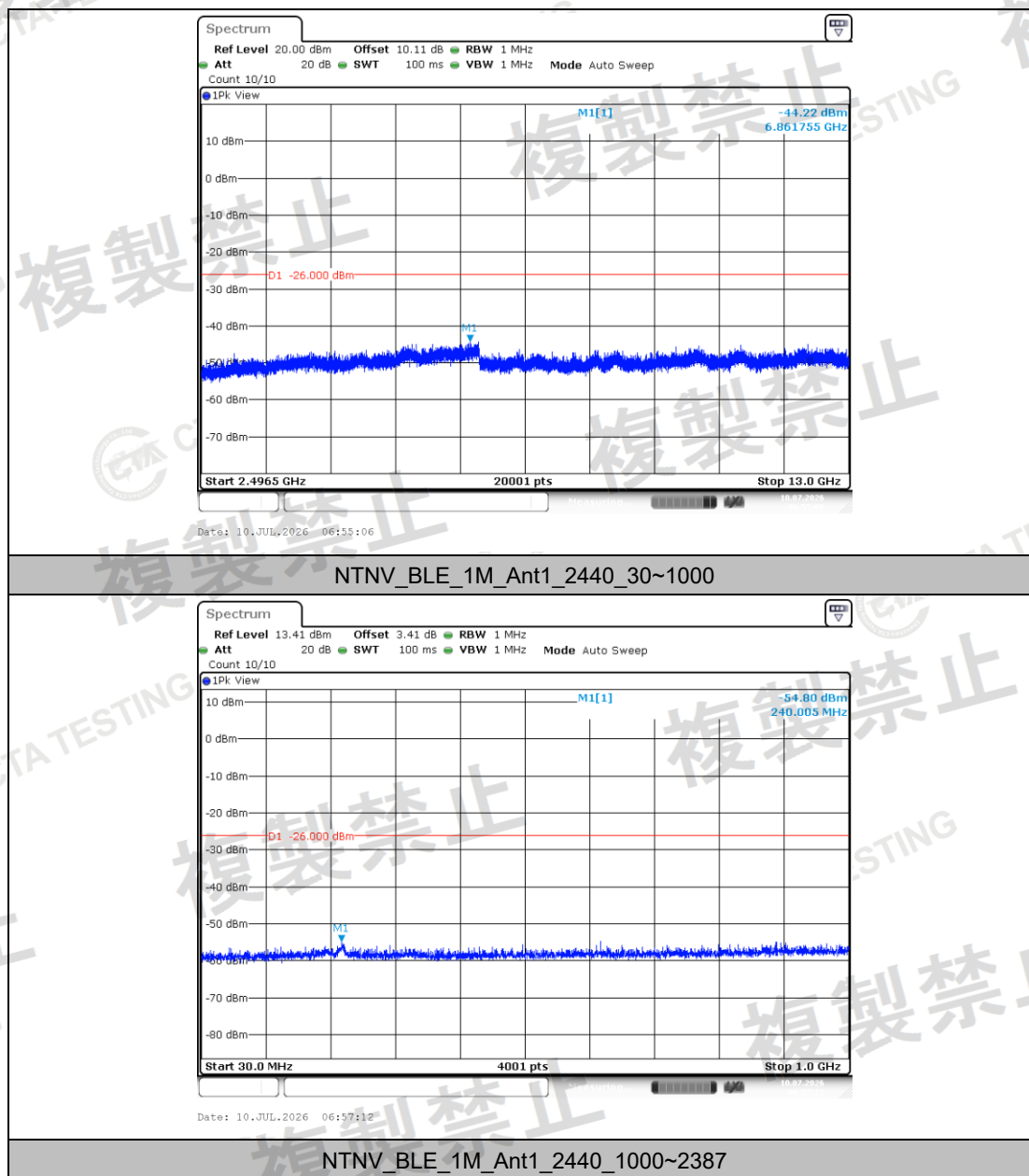
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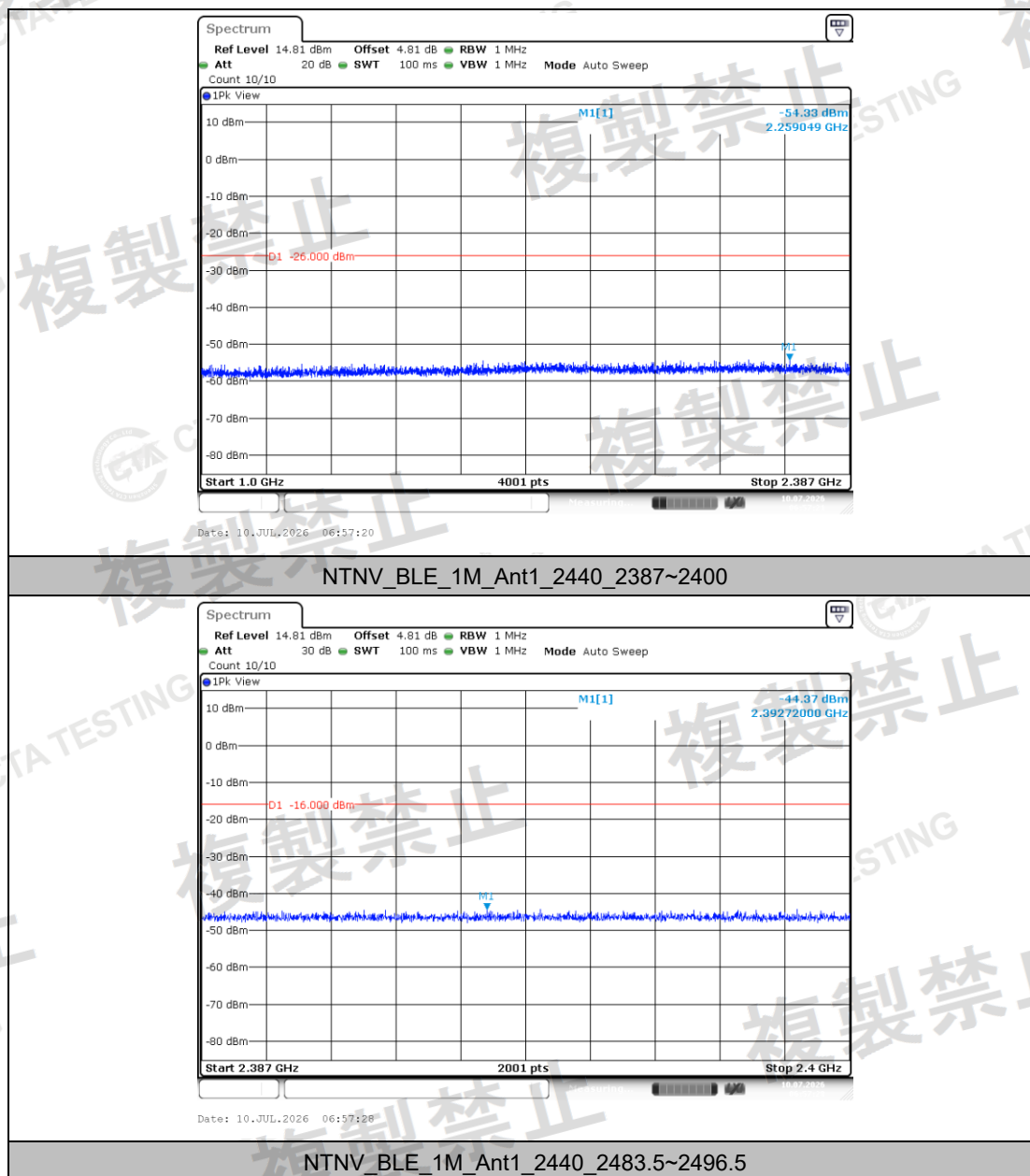
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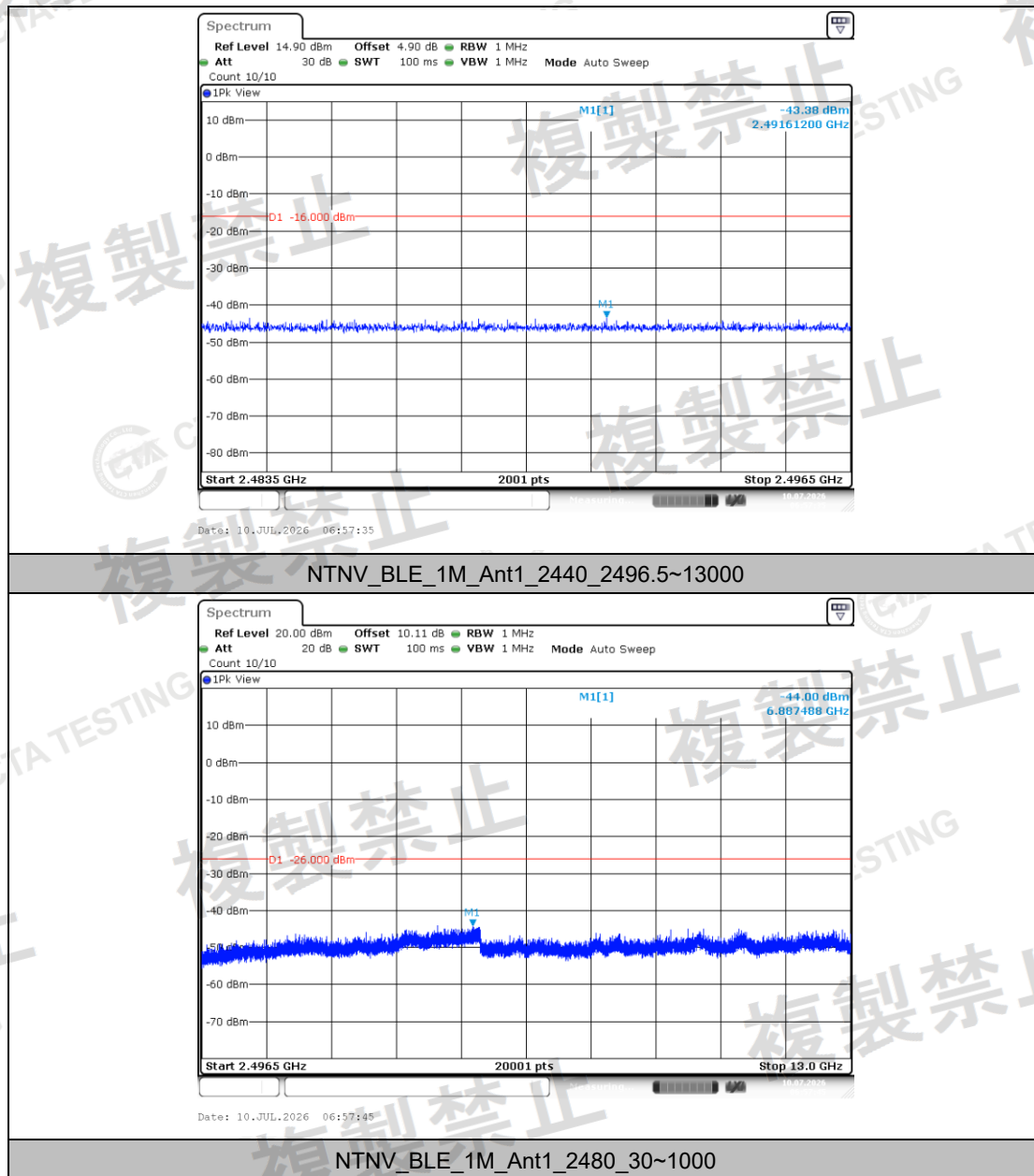
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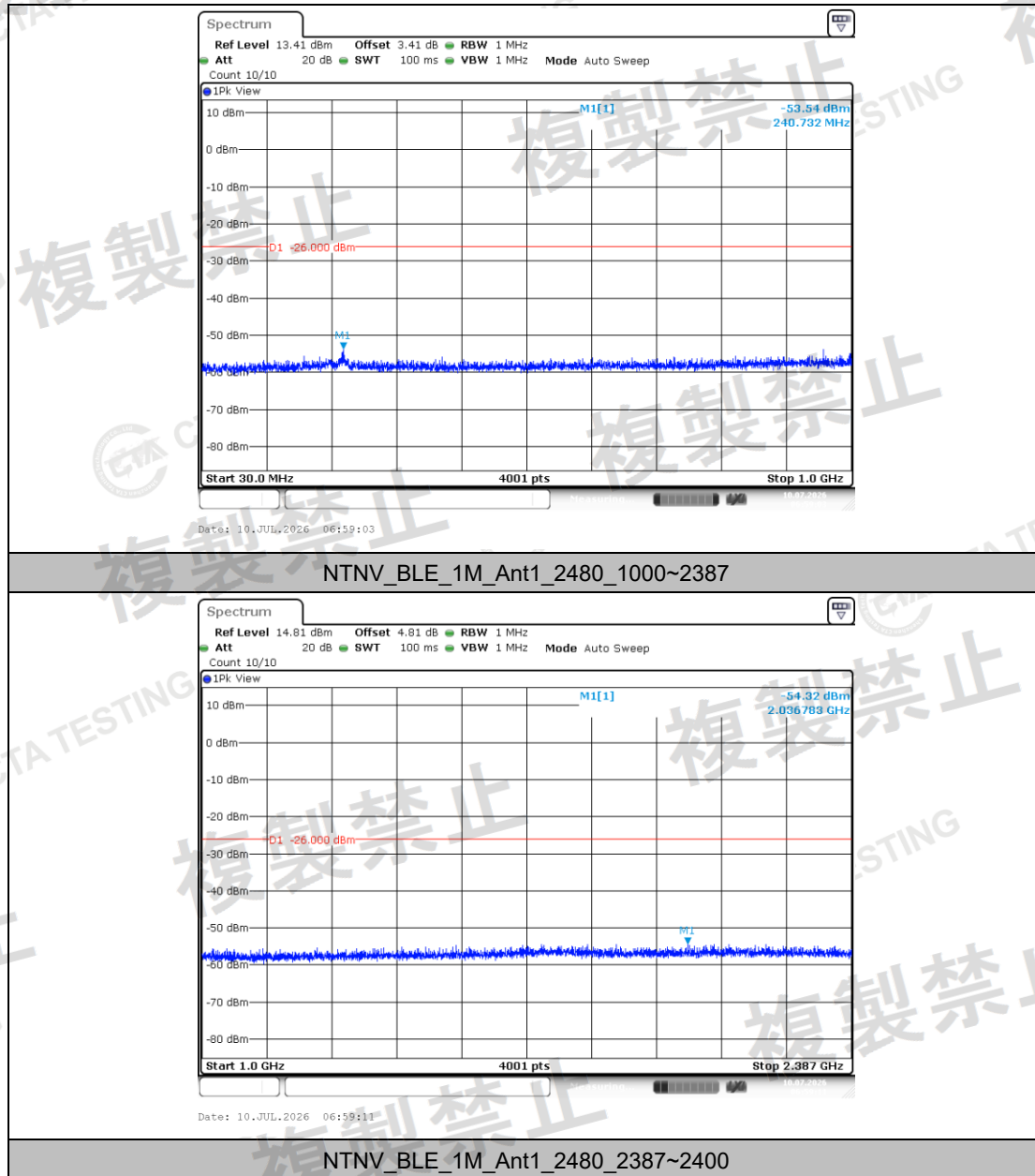
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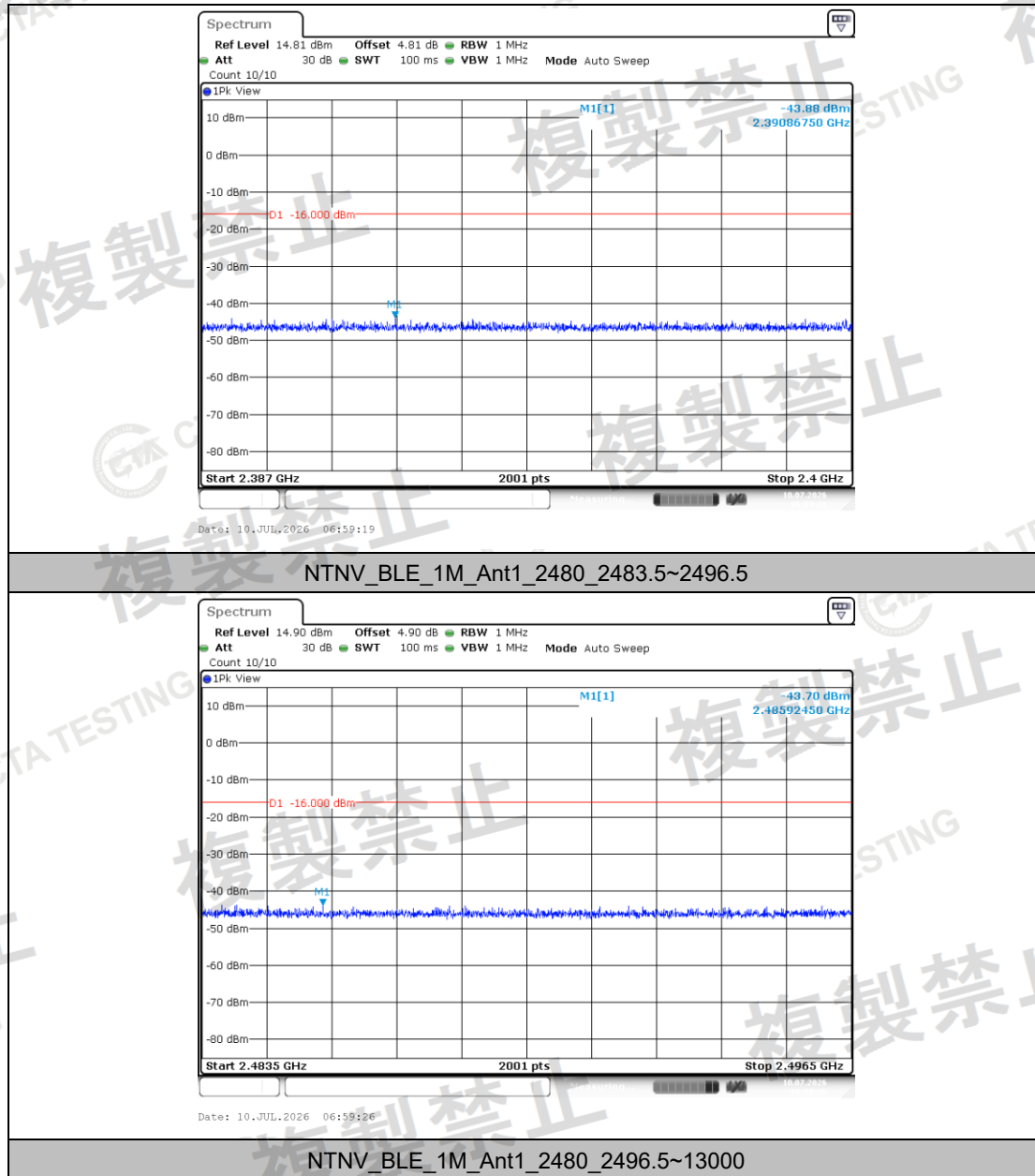
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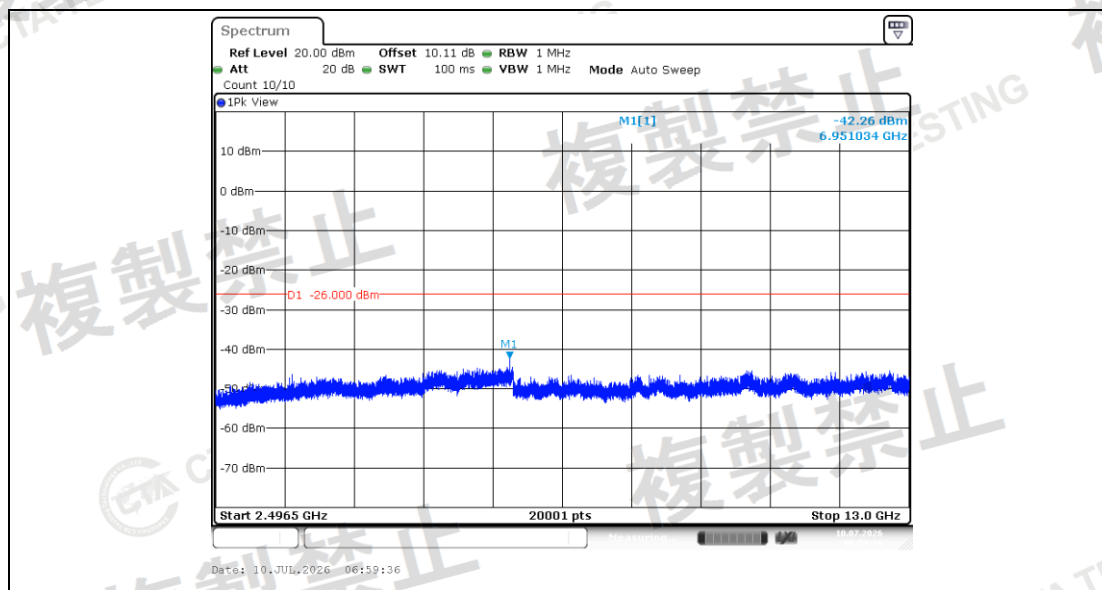
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Appendix F: Spurious Emission of RX

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	200.88	-83.92	≤-54	0.0040 6	≤4	PASS
				1000~12500	6592.4 6	-69.67	≤-47	0.1078 9	≤20	PASS
			2440	30~1000	975.03	-83.20	≤-54	0.0047 9	≤4	PASS
				1000~12500	6869.0 2	-69.23	≤-47	0.11940	≤20	PASS
			2480	30~1000	593.53	-83.67	≤-54	0.0043 0	≤4	PASS
				1000~12500	6994.9 4	-69.12	≤-47	0.1224 6	≤20	PASS

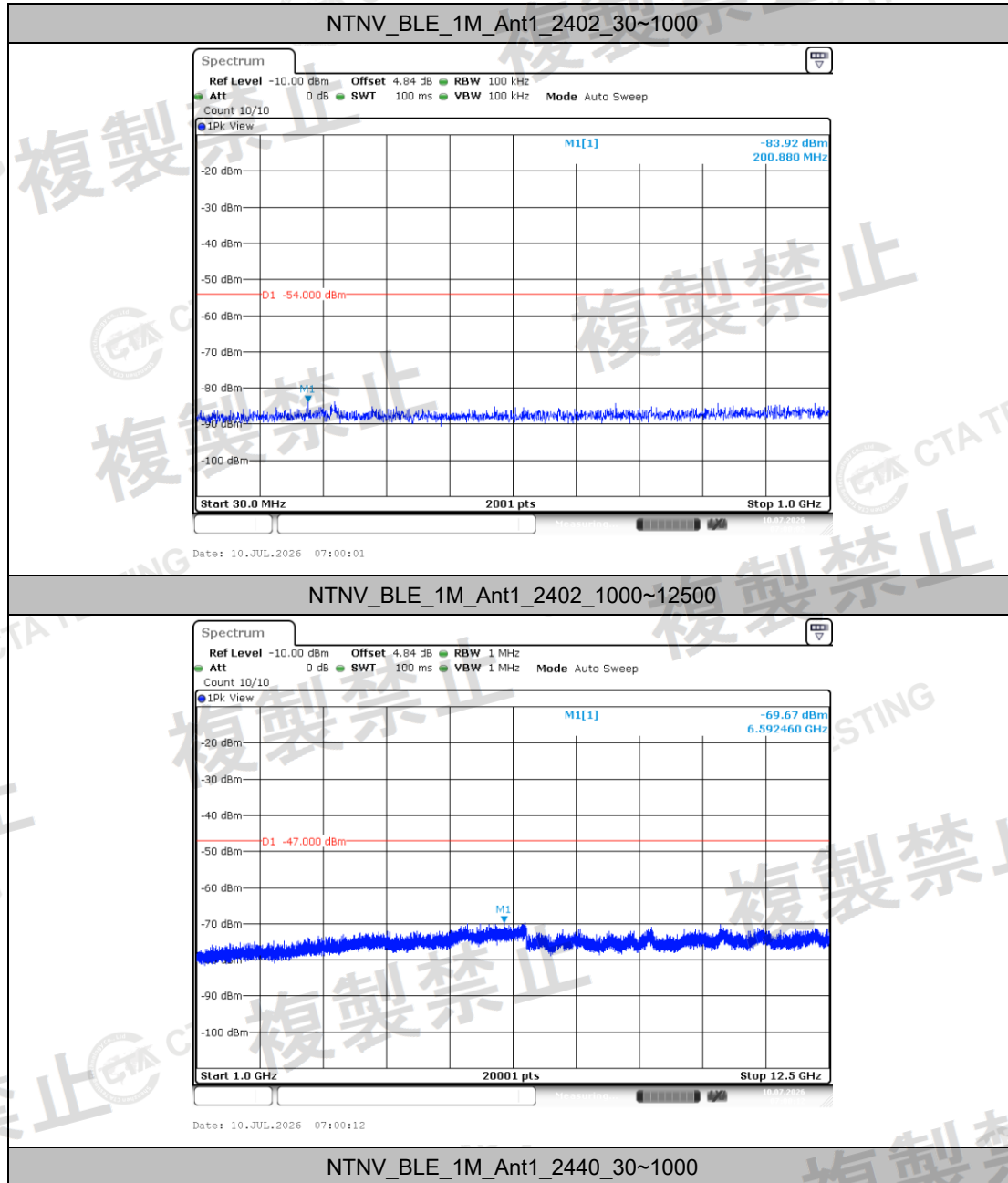


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Test Graphs

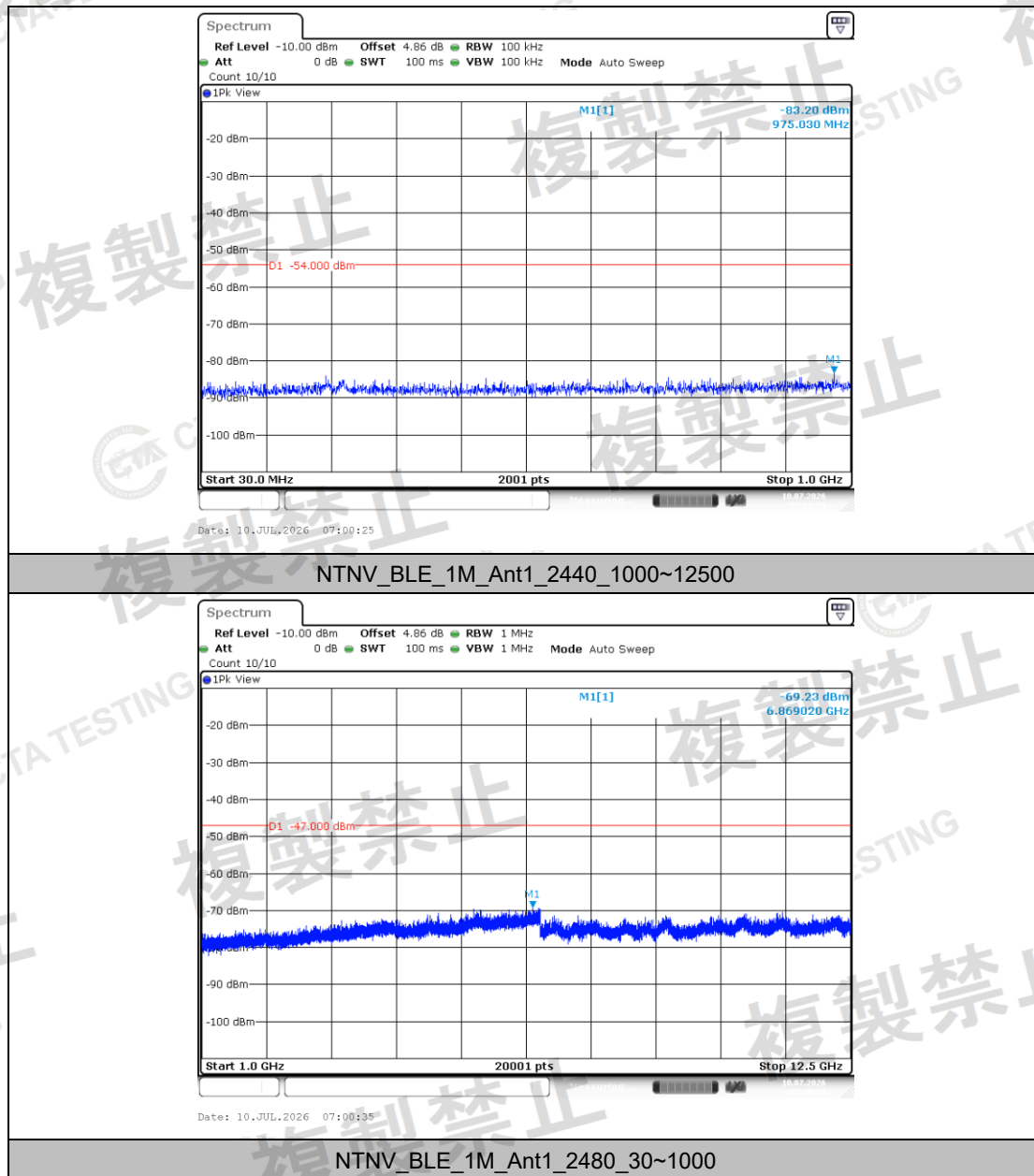
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