



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 : RoseBUD

Report No. : CTA26051501201

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	4.74188	±50	PASS
			2440	4.54508	±50	PASS
			2480	4.47177	±50	PASS

TestCondition	TestMode	Antenna	Freq(MHz)	Result[ppm]	Limit[ppm]	Verdict
NTLV	BLE_1M	Ant1	2402	4.50379	±50	PASS
			2440	4.31685	±50	PASS
			2480	4.22349	±50	PASS

TestCondition	TestMode	Antenna	Freq(MHz)	Result[ppm]	Limit[ppm]	Verdict
NTHV	BLE_1M	Ant1	2402	4.51428	±50	PASS
			2440	4.30091	±50	PASS
			2480	4.27450	±50	PASS

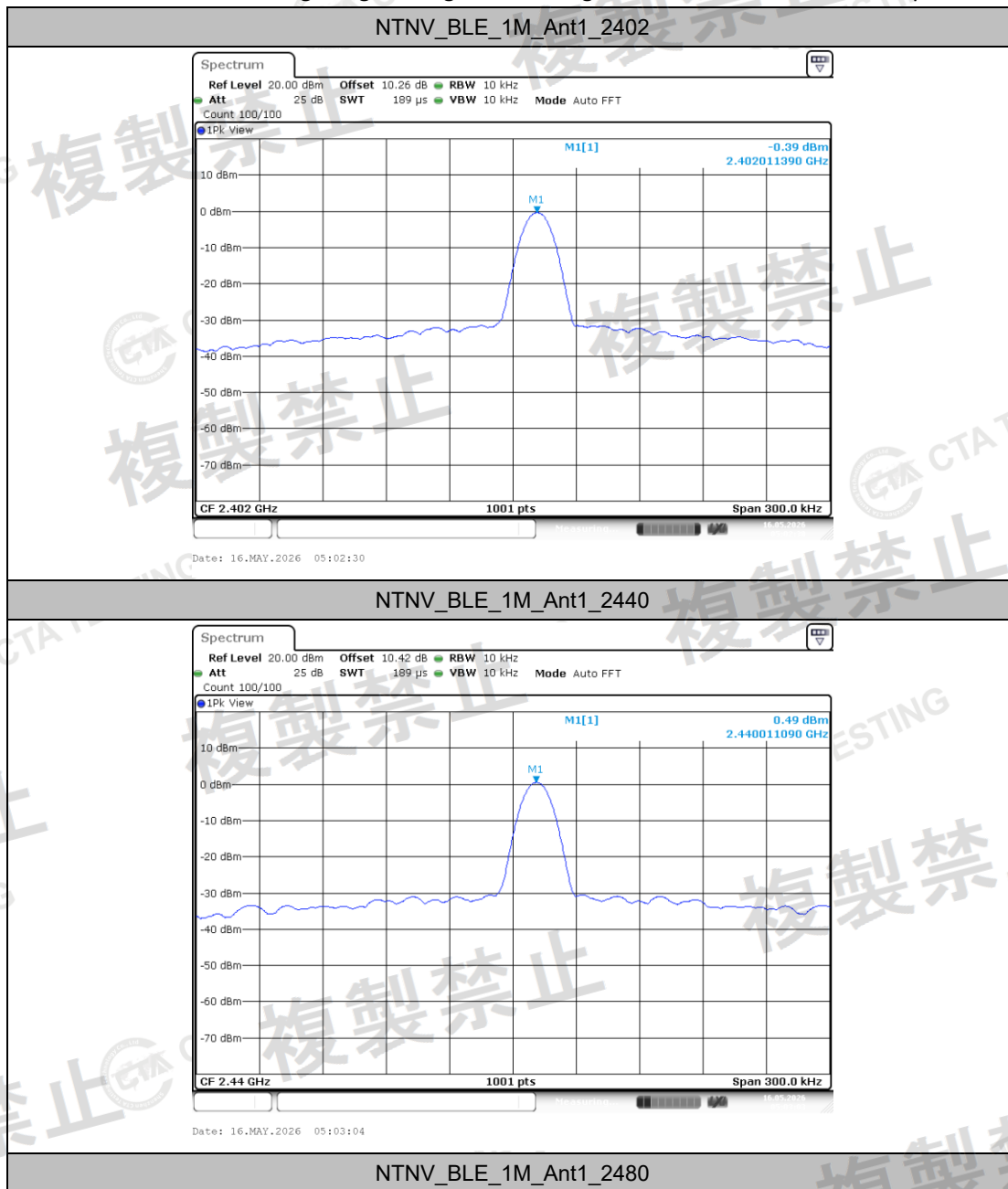


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Test Graphs

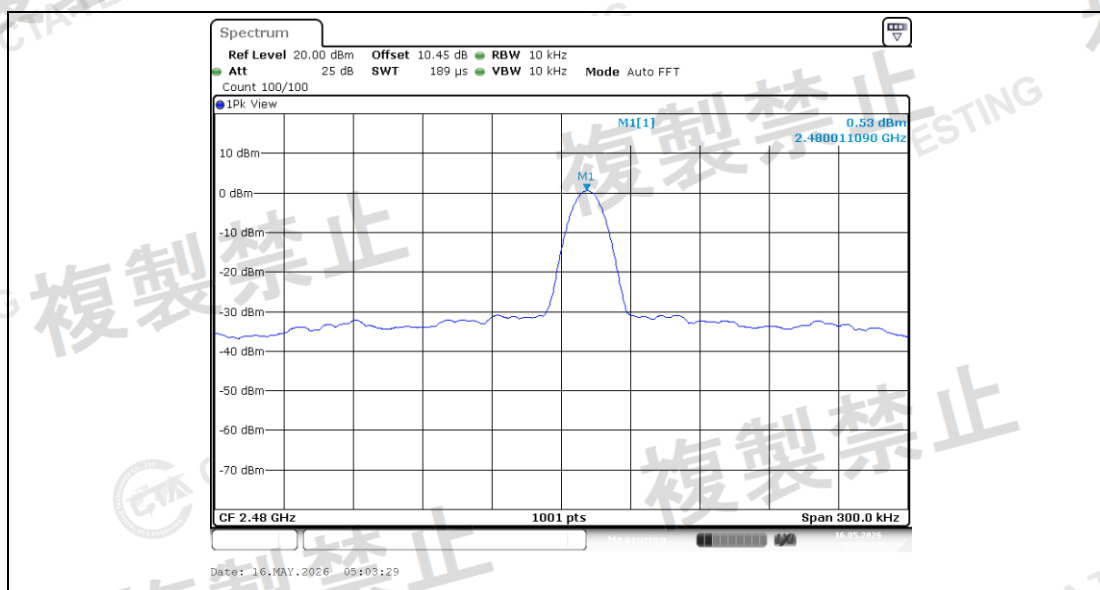
Note: We test Normal Voltage, High Voltage, Low Voltage, and recorded the worst test plot.





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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	1.227	≤26	PASS
			2440	1.223	≤26	PASS
			2480	1.219	≤26	PASS

TestCondition	TestMode	Antenna	Freq(MHz)	Result [MHz]	Limit [MHz]	Verdict
NTLV	BLE_1M	Ant1	2402	1.223	≤26	PASS
			2440	1.220	≤26	PASS
			2480	1.217	≤26	PASS

TestCondition	TestMode	Antenna	Freq(MHz)	Result [MHz]	Limit [MHz]	Verdict
NTHV	BLE_1M	Ant1	2402	1.225	≤26	PASS
			2440	1.221	≤26	PASS
			2480	1.218	≤26	PASS

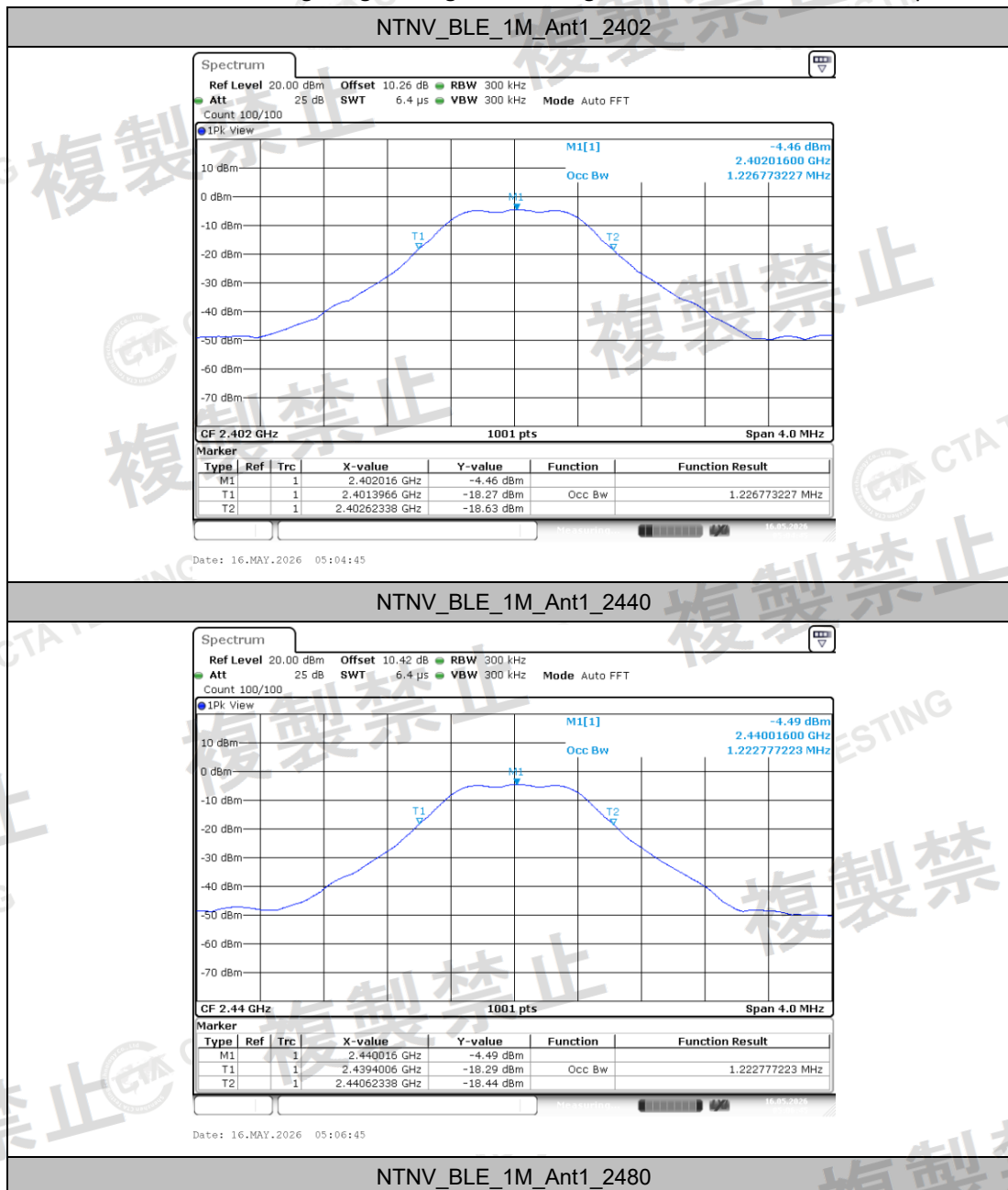


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Test Graphs

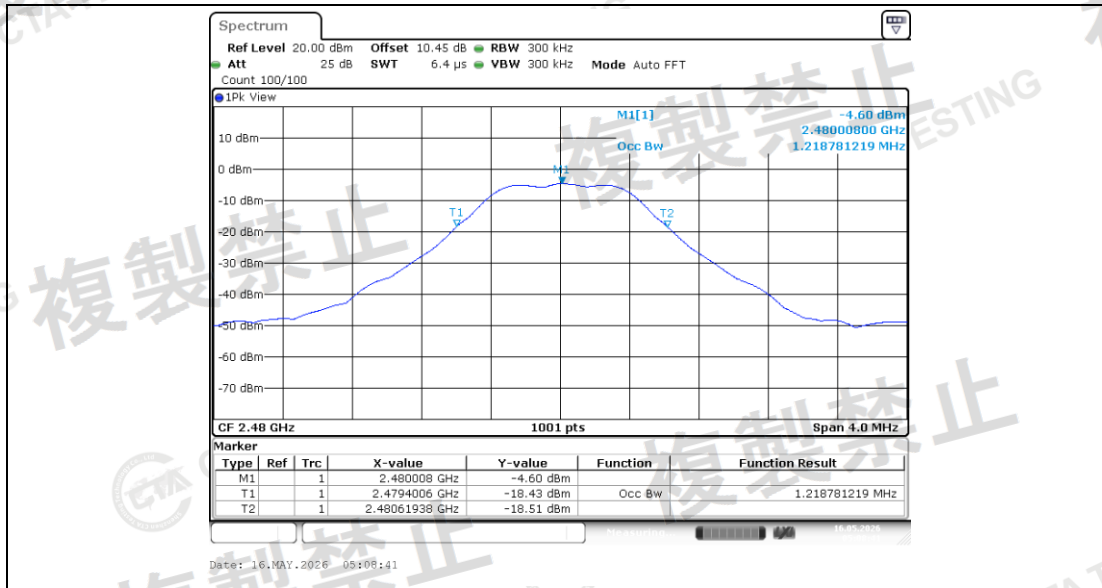
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Appendix C: Spread Bandwidth

Test Result

TestCondition	TestMode	Antenna	Freq(MHz)	Result [MHz]	Limit [MHz]	Verdict
NTNV	BLE_1M	Ant1	2402	0.815	≥0.5	PASS
			2440	0.819	≥0.5	PASS
			2480	0.819	≥0.5	PASS

TestCondition	TestMode	Antenna	Freq(MHz)	Result [MHz]	Limit [MHz]	Verdict
NTLV	BLE_1M	Ant1	2402	0.812	≥0.5	PASS
			2440	0.817	≥0.5	PASS
			2480	0.816	≥0.5	PASS

TestCondition	TestMode	Antenna	Freq(MHz)	Result [MHz]	Limit [MHz]	Verdict
NTHV	BLE_1M	Ant1	2402	0.813	≥0.5	PASS
			2440	0.817	≥0.5	PASS
			2480	0.815	≥0.5	PASS

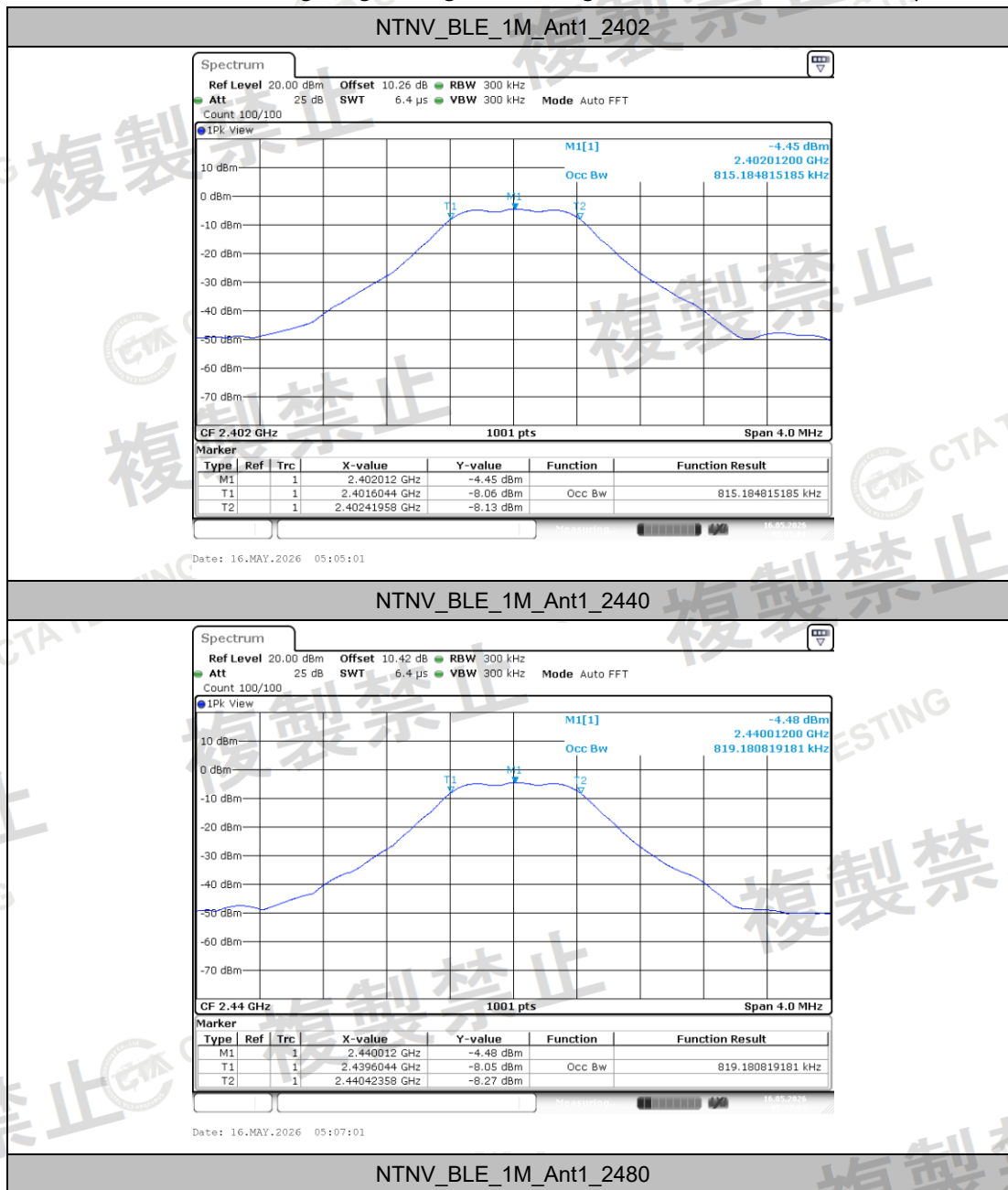


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Test Graphs

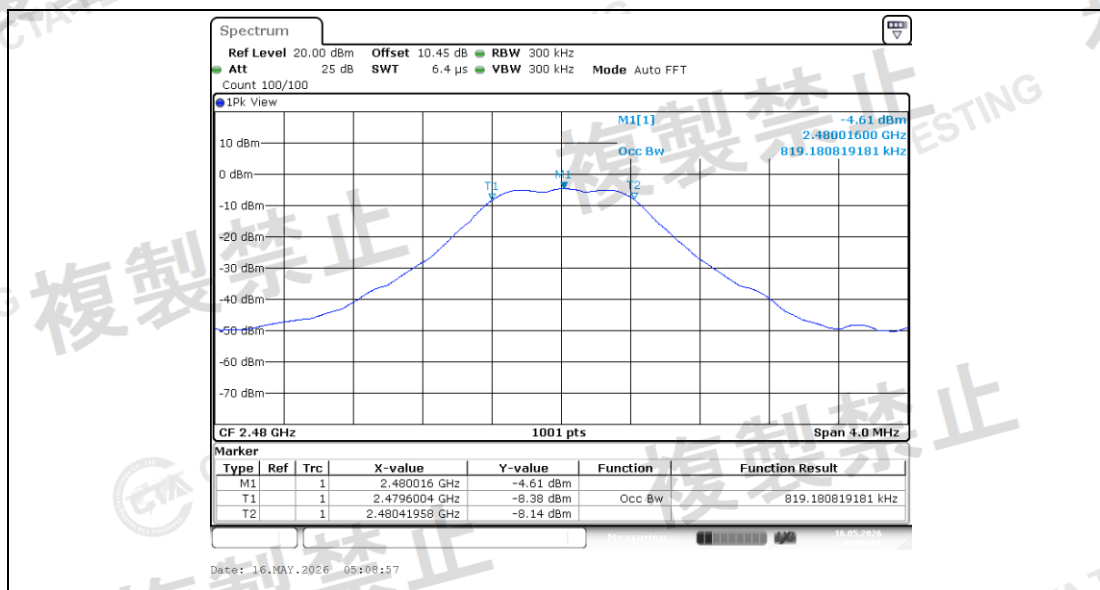
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Appendix D: Spurious Emission of TX

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	984.48	-55.04	≤-26	0.00313	≤2.5	PASS
				1000~2387	2362.03	-52.94	≤-26	0.00508	≤2.5	PASS
				2387~2400	2399.99	-34.42	≤-16	0.36141	≤25	PASS
				2483.5~2496.5	2490.03	-43.05	≤-16	0.04955	≤25	PASS
				2496.5~13000	4803.59	-39.36	≤-26	0.11588	≤2.5	PASS
			2440	30~1000	969.93	-54.18	≤-26	0.00382	≤2.5	PASS
				1000~2387	1671.31	-53.71	≤-26	0.00426	≤2.5	PASS
				2387~2400	2398.13	-43.22	≤-16	0.04764	≤25	PASS
				2483.5~2496.5	2488.42	-43.19	≤-16	0.04797	≤25	PASS
				2496.5~13000	4879.74	-38.77	≤-26	0.13274	≤2.5	PASS
			2480	30~1000	891.36	-55.14	≤-26	0.00306	≤2.5	PASS
				1000~2387	2334.64	-53.97	≤-26	0.00401	≤2.5	PASS
				2387~2400	2396.11	-43.48	≤-16	0.04487	≤25	PASS
				2483.5~2496.5	2484.47	-42.40	≤-16	0.05754	≤25	PASS
				2496.5~13000	4959.57	-39.23	≤-26	0.11940	≤2.5	PASS

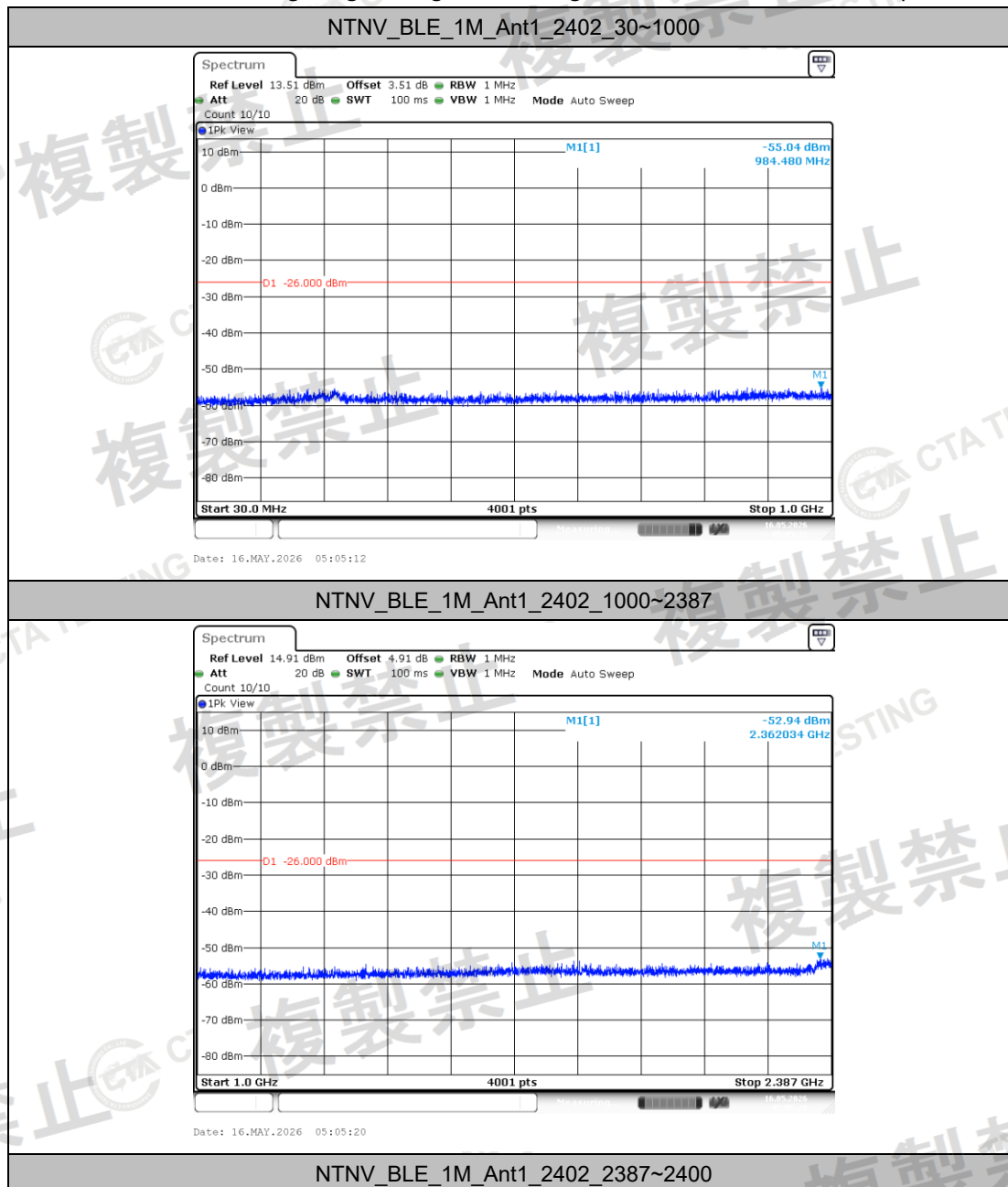


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Test Graphs

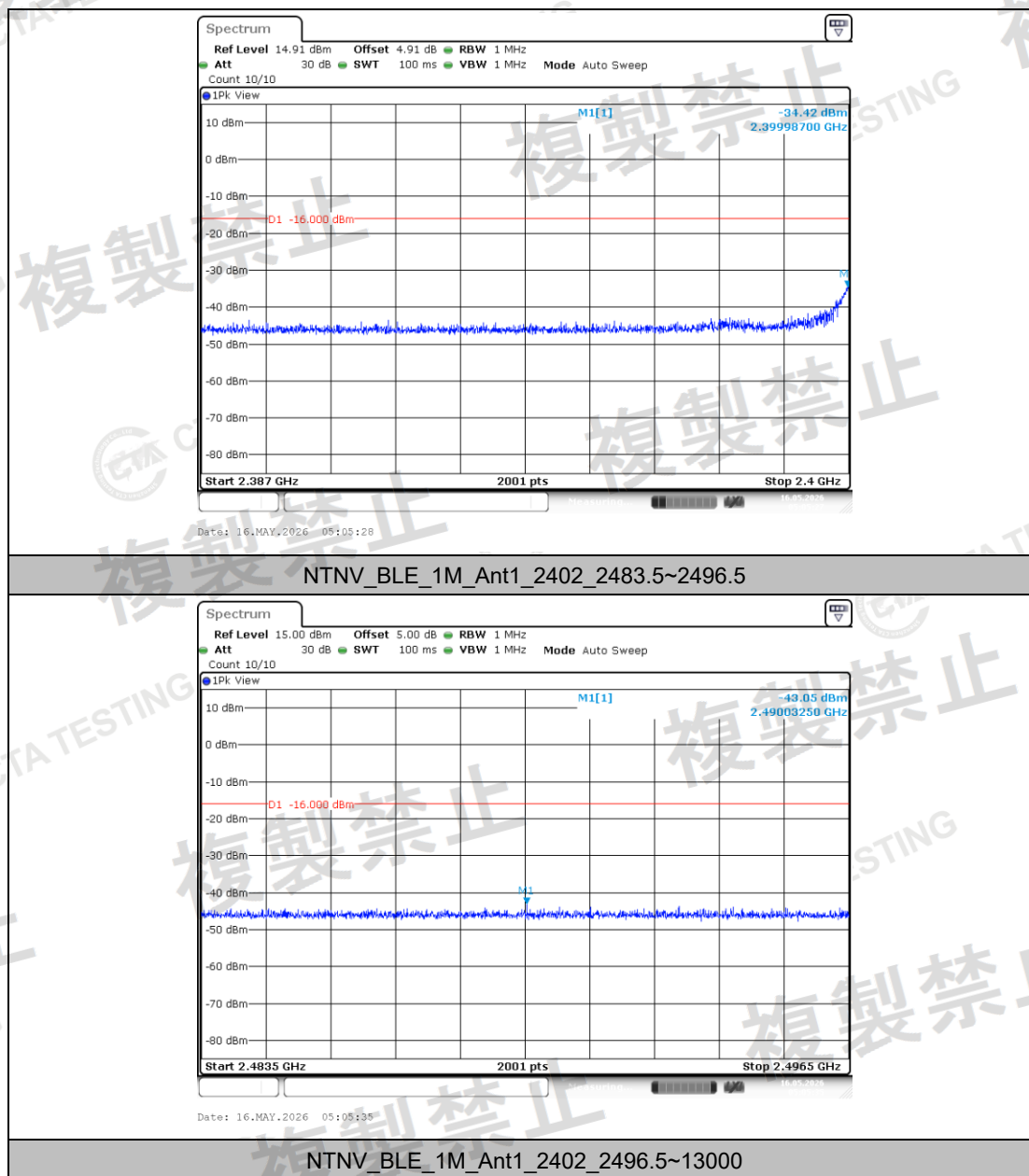
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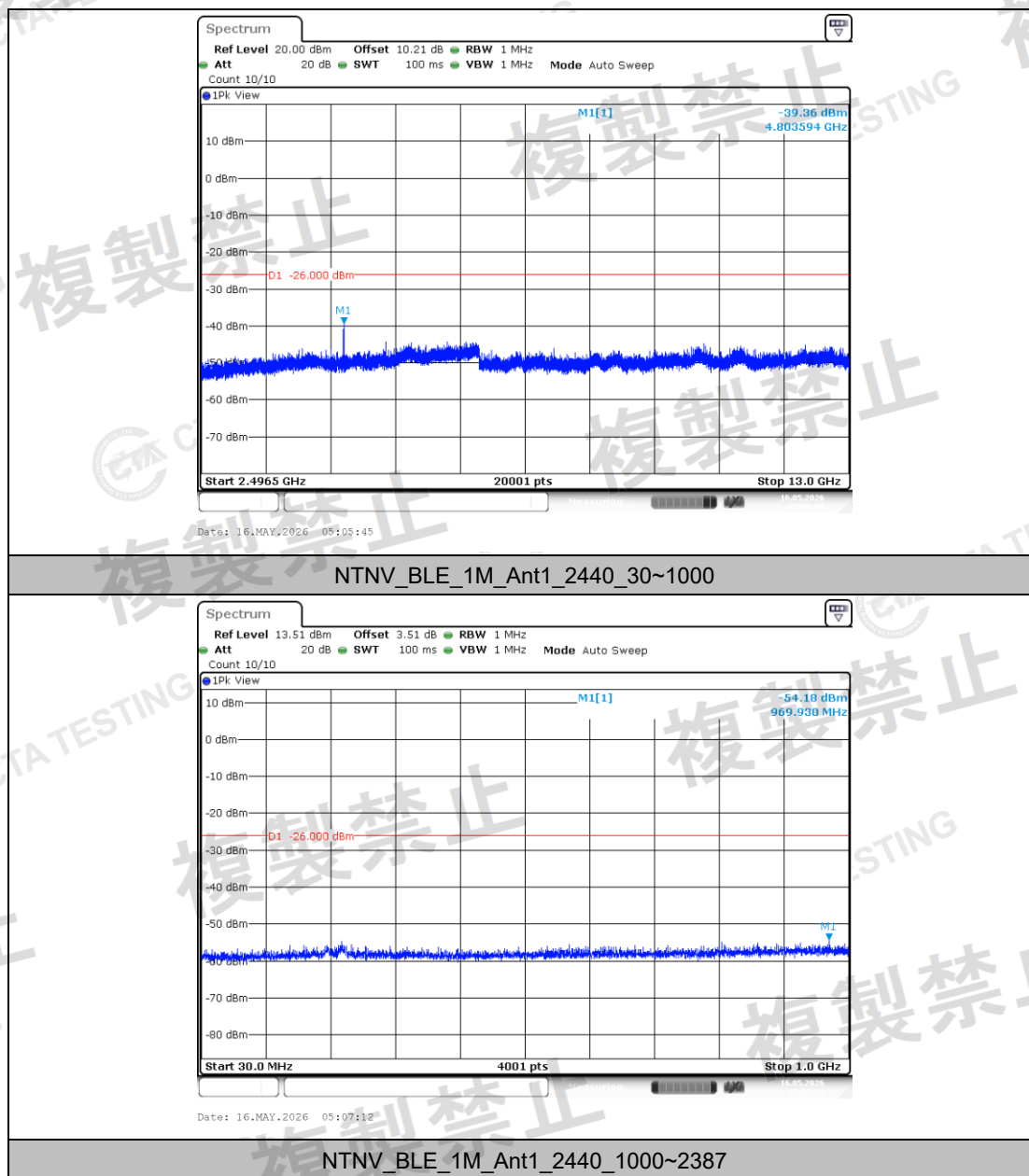
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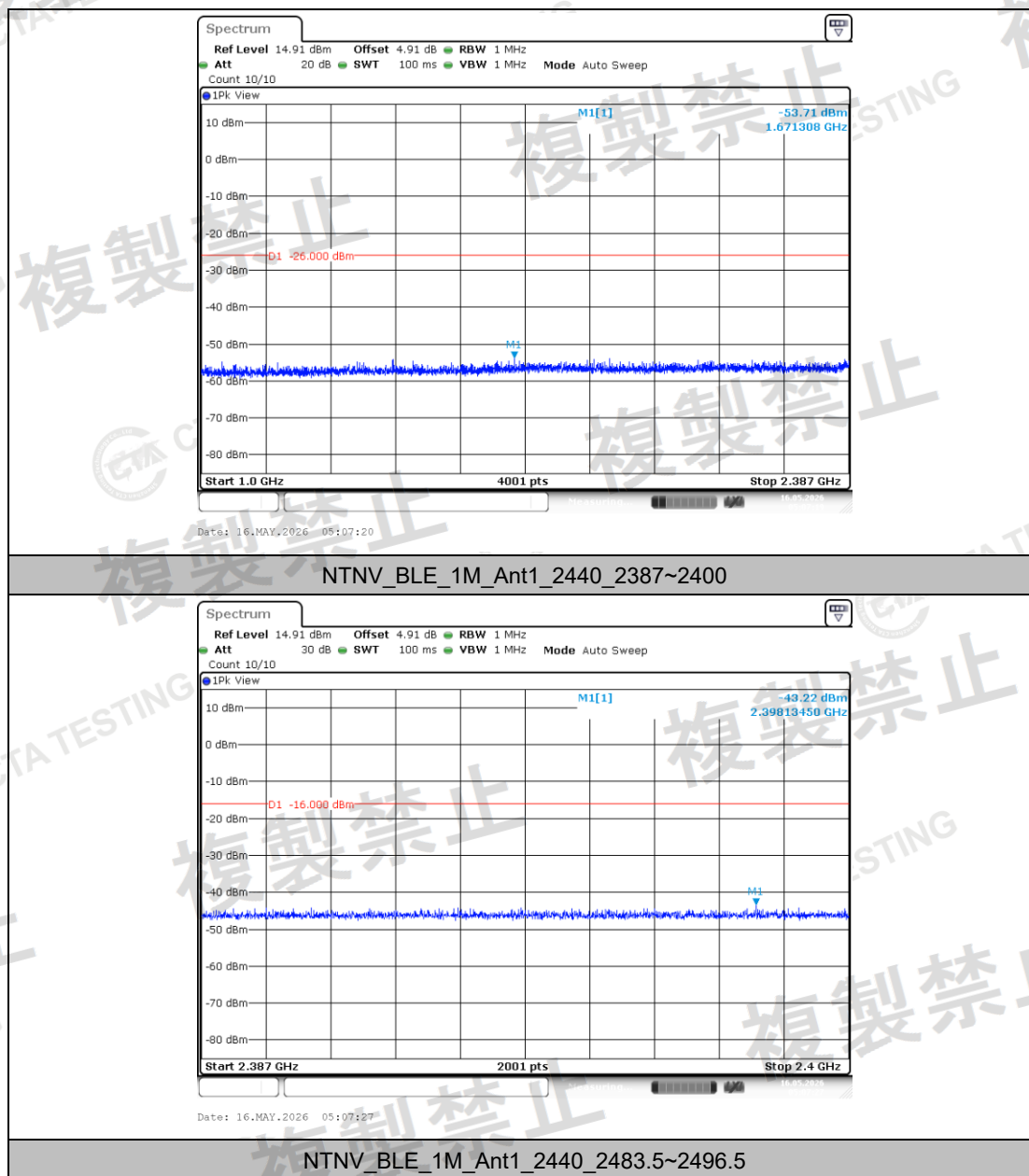
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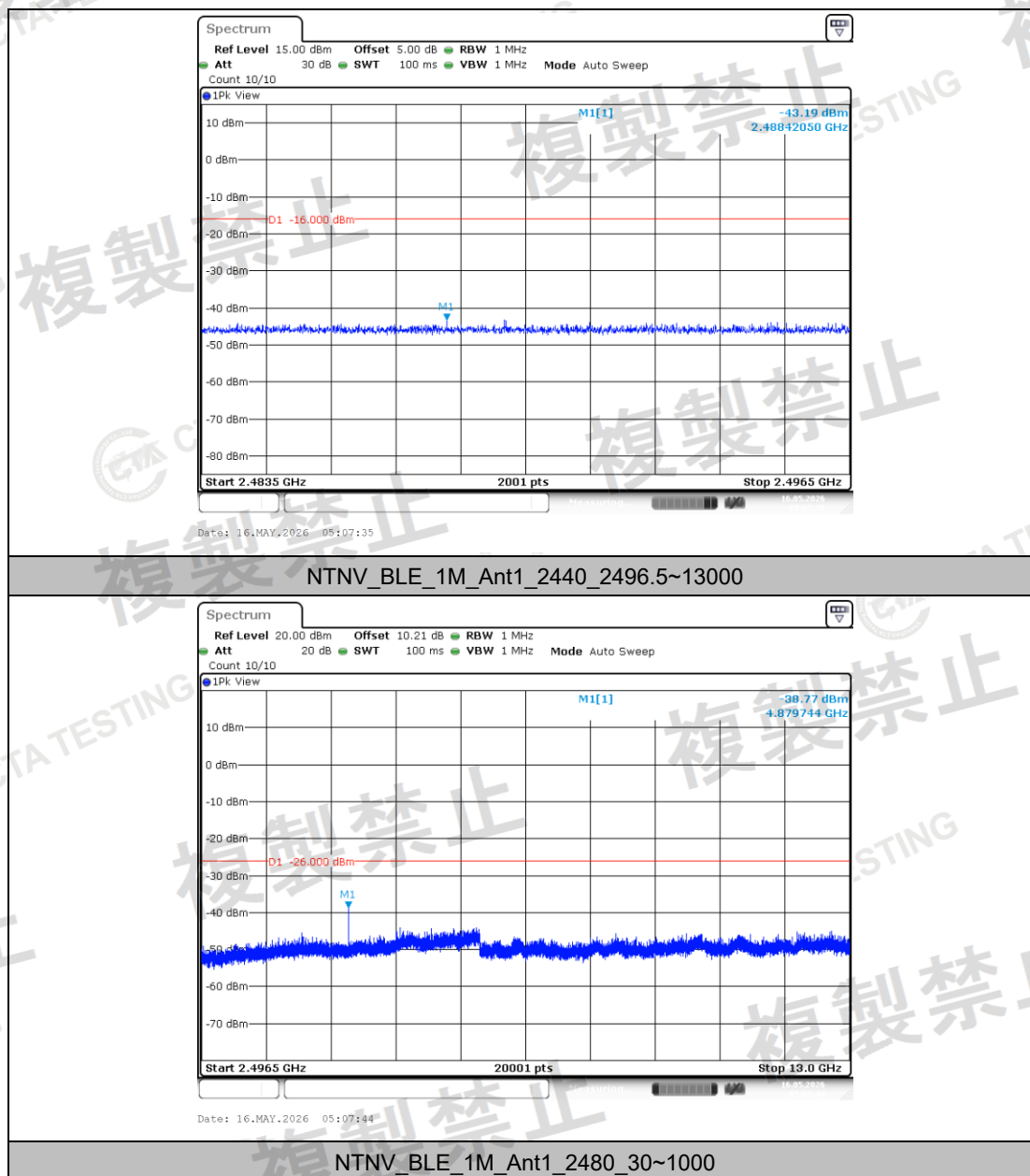
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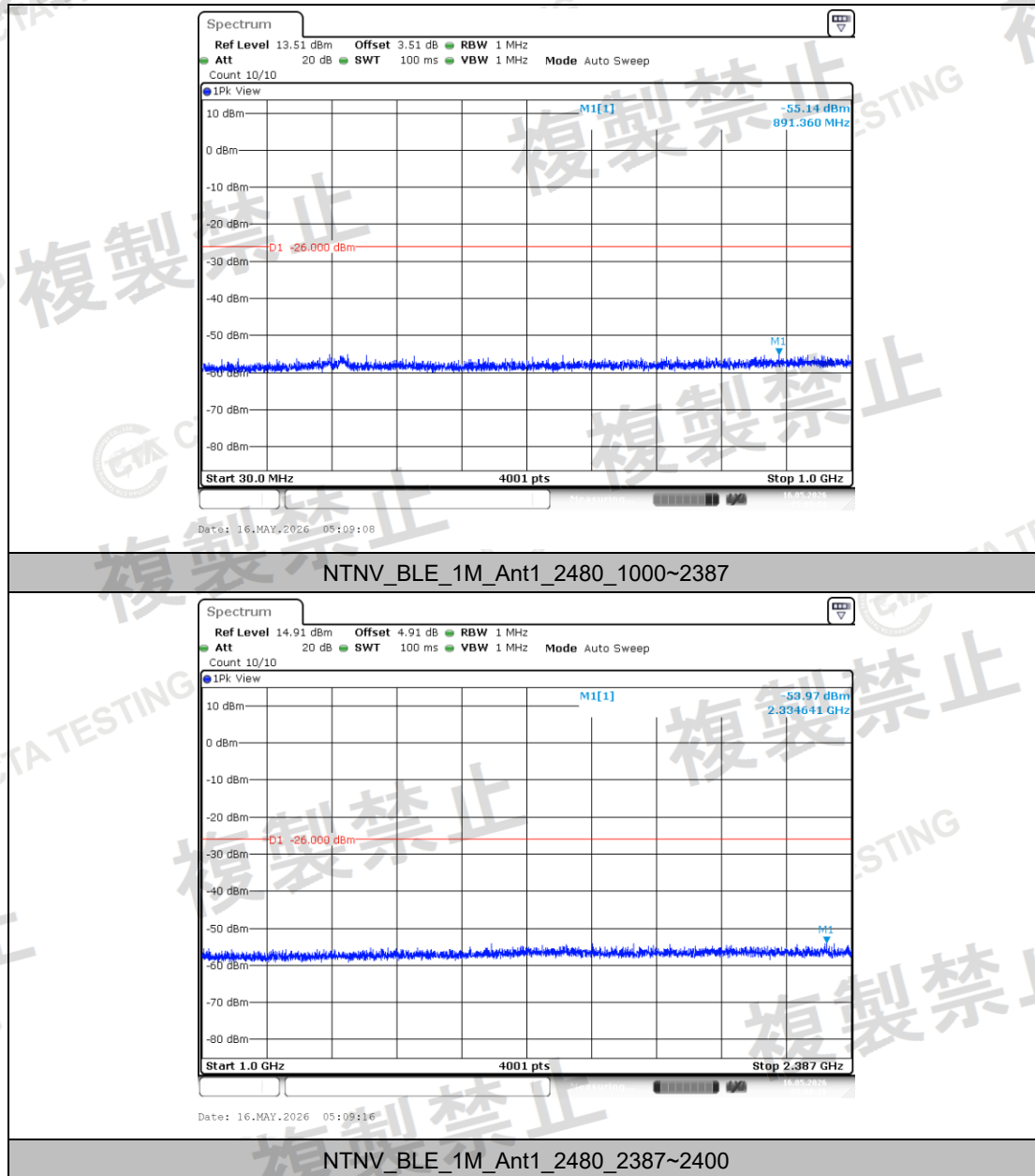
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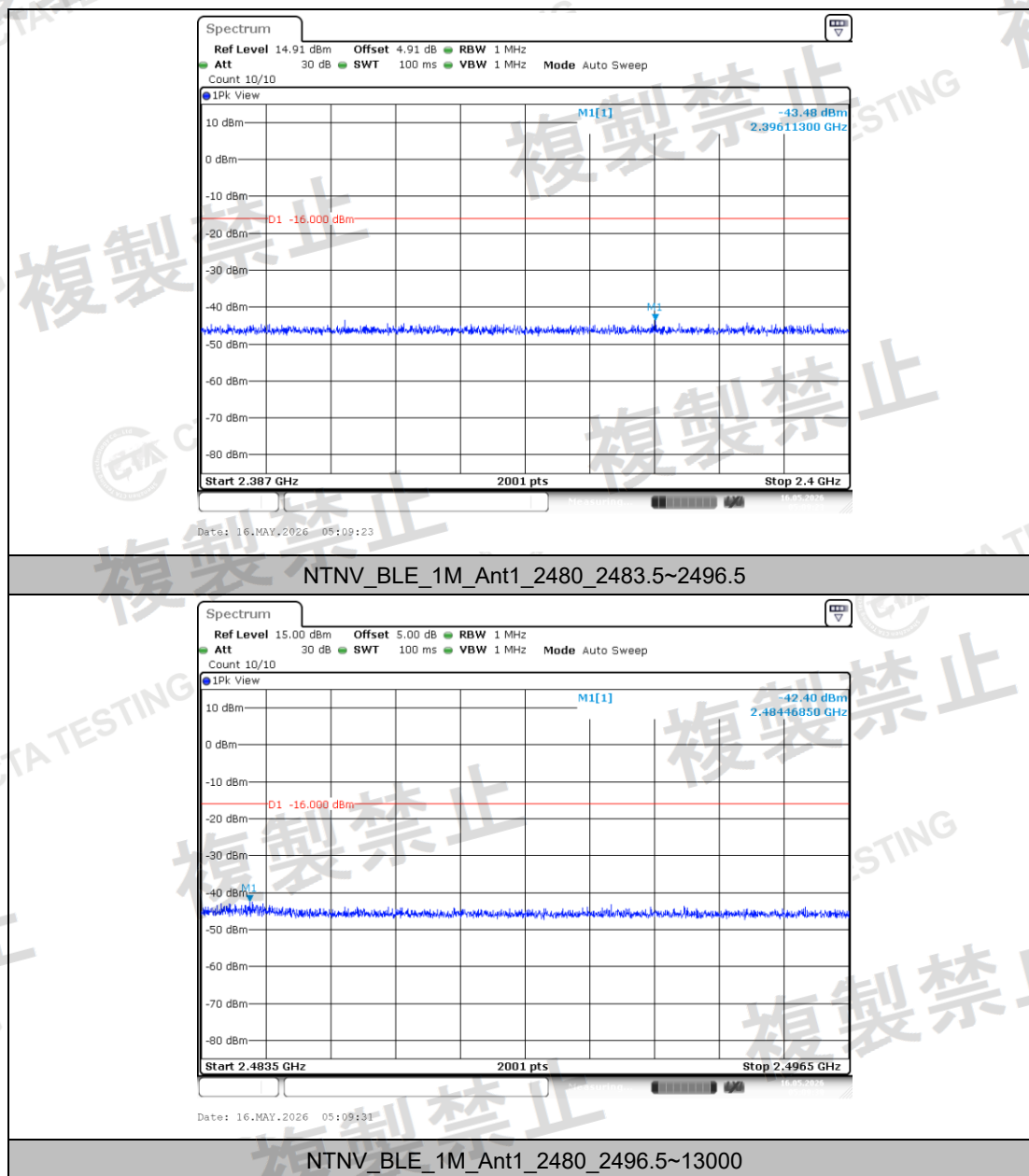
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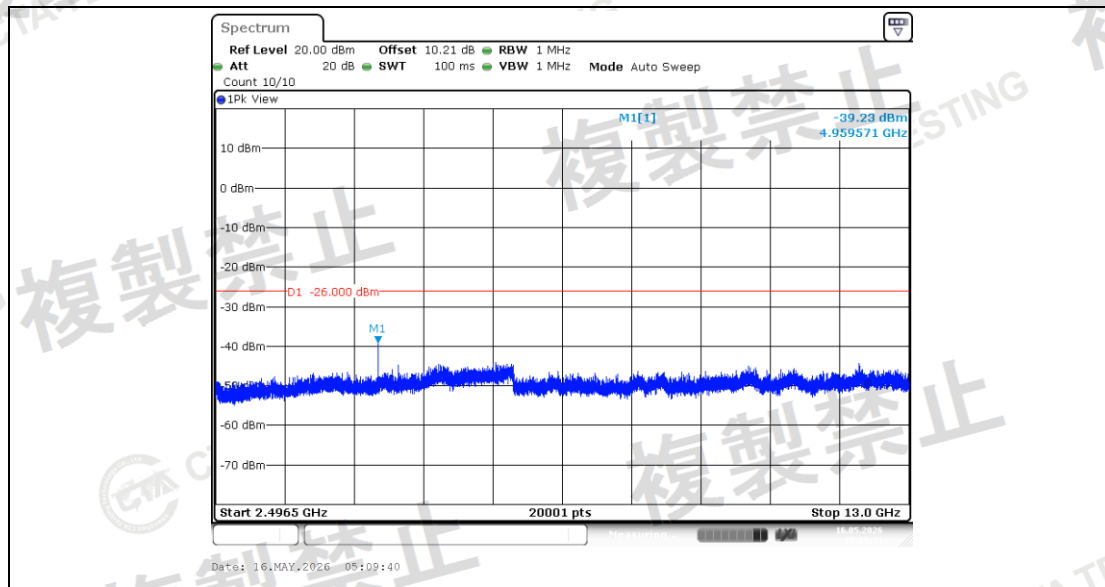
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Appendix E: Spurious Emission of RX

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	957.58	-83.66	≤-54	0.0043 1	≤4	PASS
				1000~12500	6937.4 4	-69.07	≤-47	0.1238 8	≤20	PASS
			2440	30~1000	751.08	-84.01	≤-54	0.0039 7	≤4	PASS
				1000~12500	6968.4 9	-69.34	≤-47	0.11641	≤20	PASS
			2480	30~1000	907.65	-83.11	≤-54	0.0048 9	≤4	PASS
				1000~12500	6990.9 1	-68.83	≤-47	0.1309 2	≤20	PASS

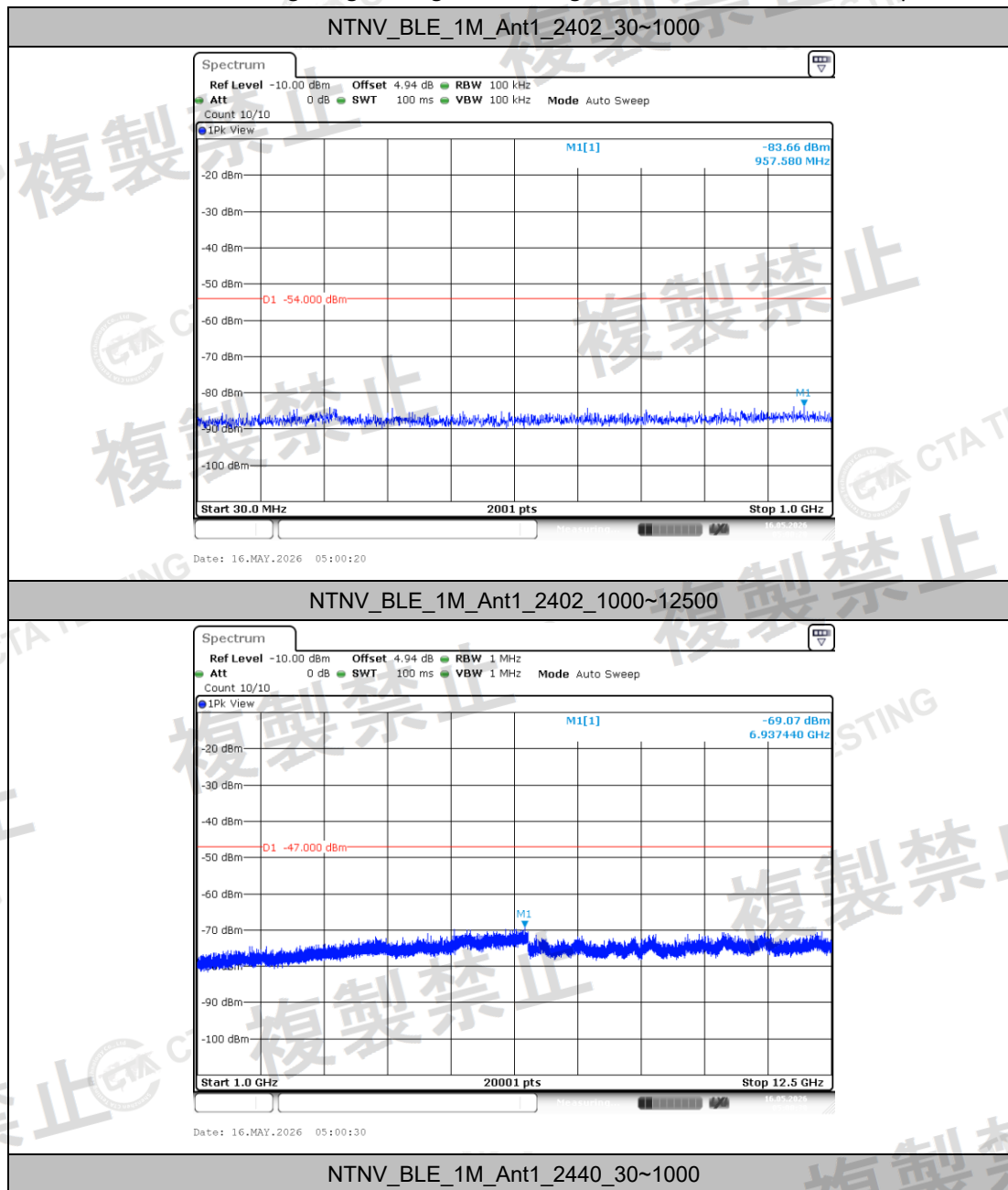


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Test Graphs

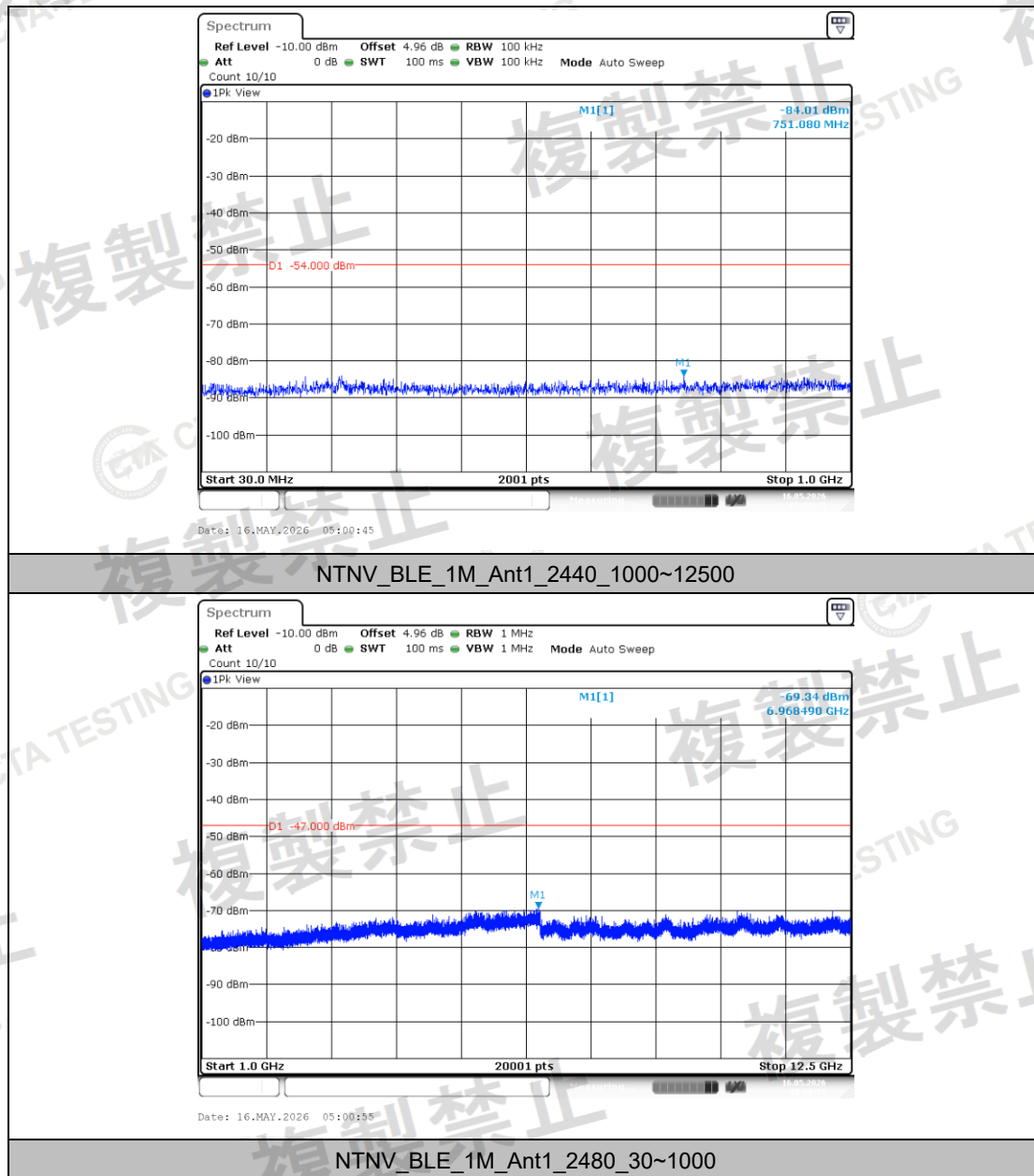
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