



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 : **Shenzhen FPD Intelligent Display Co. , Ltd.**

EUT : **Tablet**

Model Number : **CP08-J2**

Report No. : **CTA26063002501**

Reviewed By : **Eric Wang**



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Appendix A: Frequency Error

Test Result

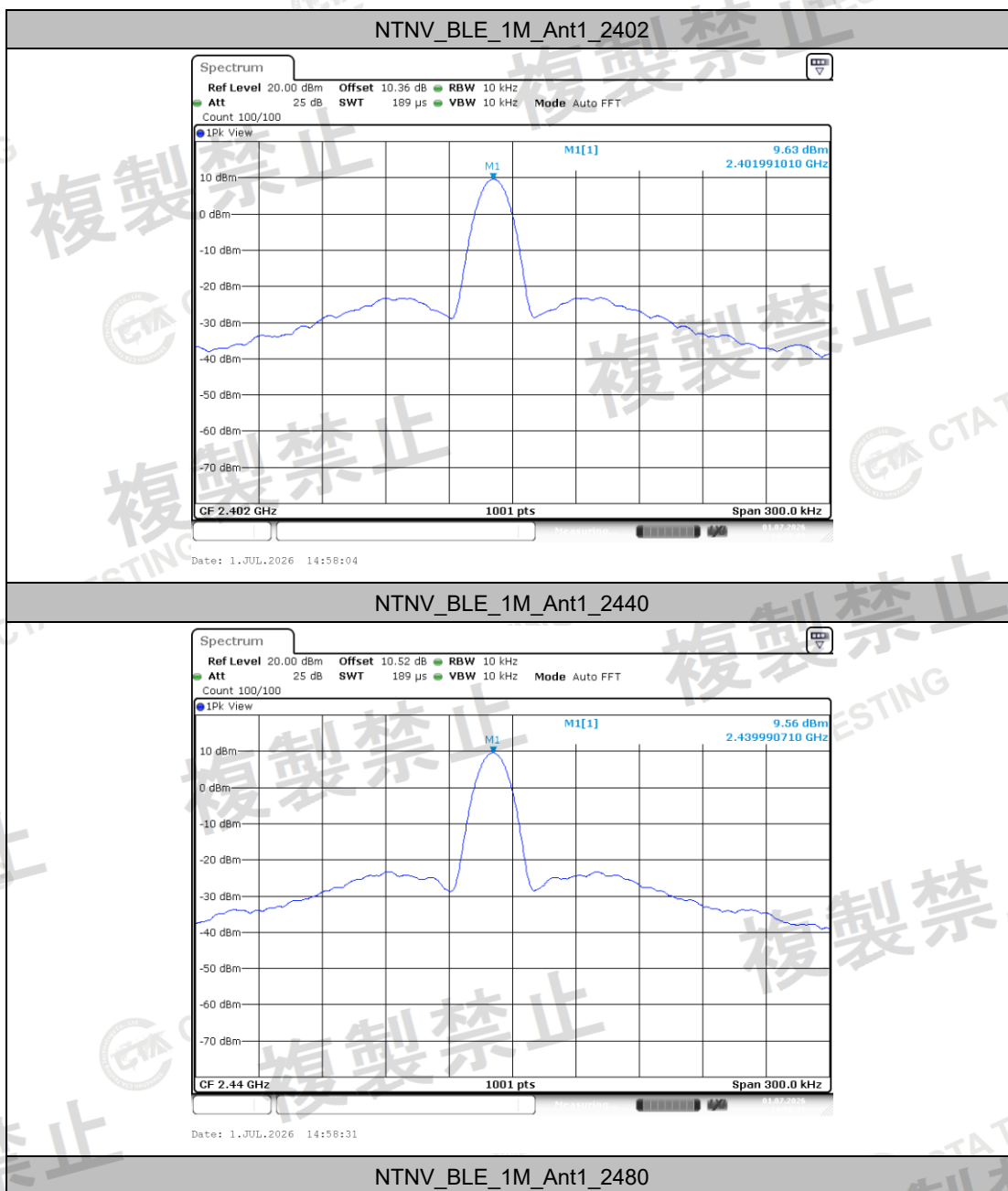
TestCondition	TestMode	Antenna	Freq(MHz)	Result[ppm]	Limit[ppm]	Verdict
NTNV	BLE_1M	Ant1	2402	-3.74271	±50	PASS
			2440	-3.80738	±50	PASS
			2480	-3.98790	±50	PASS
	BLE_2M	Ant1	2402	-3.99251	±50	PASS
			2440	-4.05328	±50	PASS
			2480	-3.98790	±50	PASS



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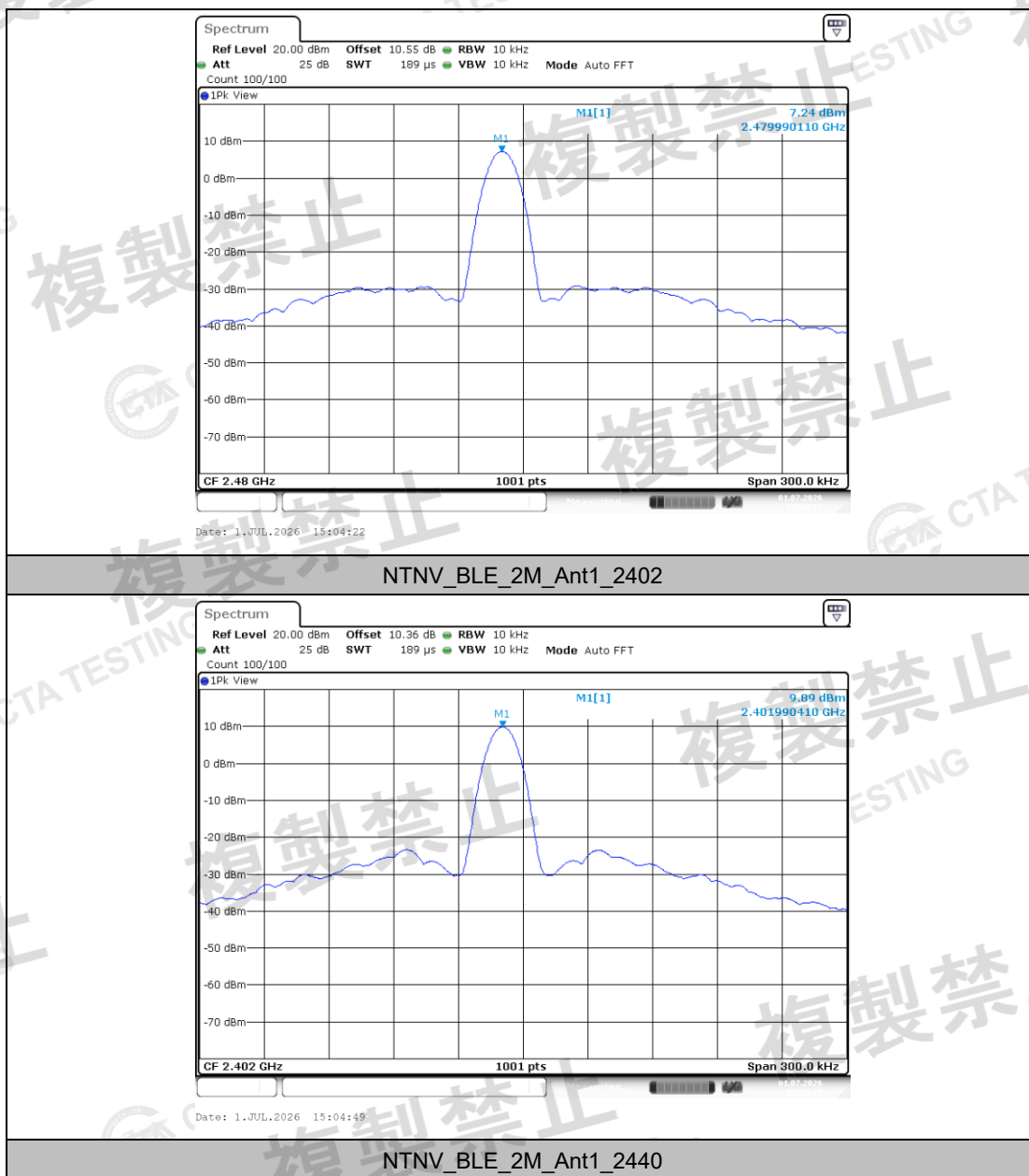
Test Graphs





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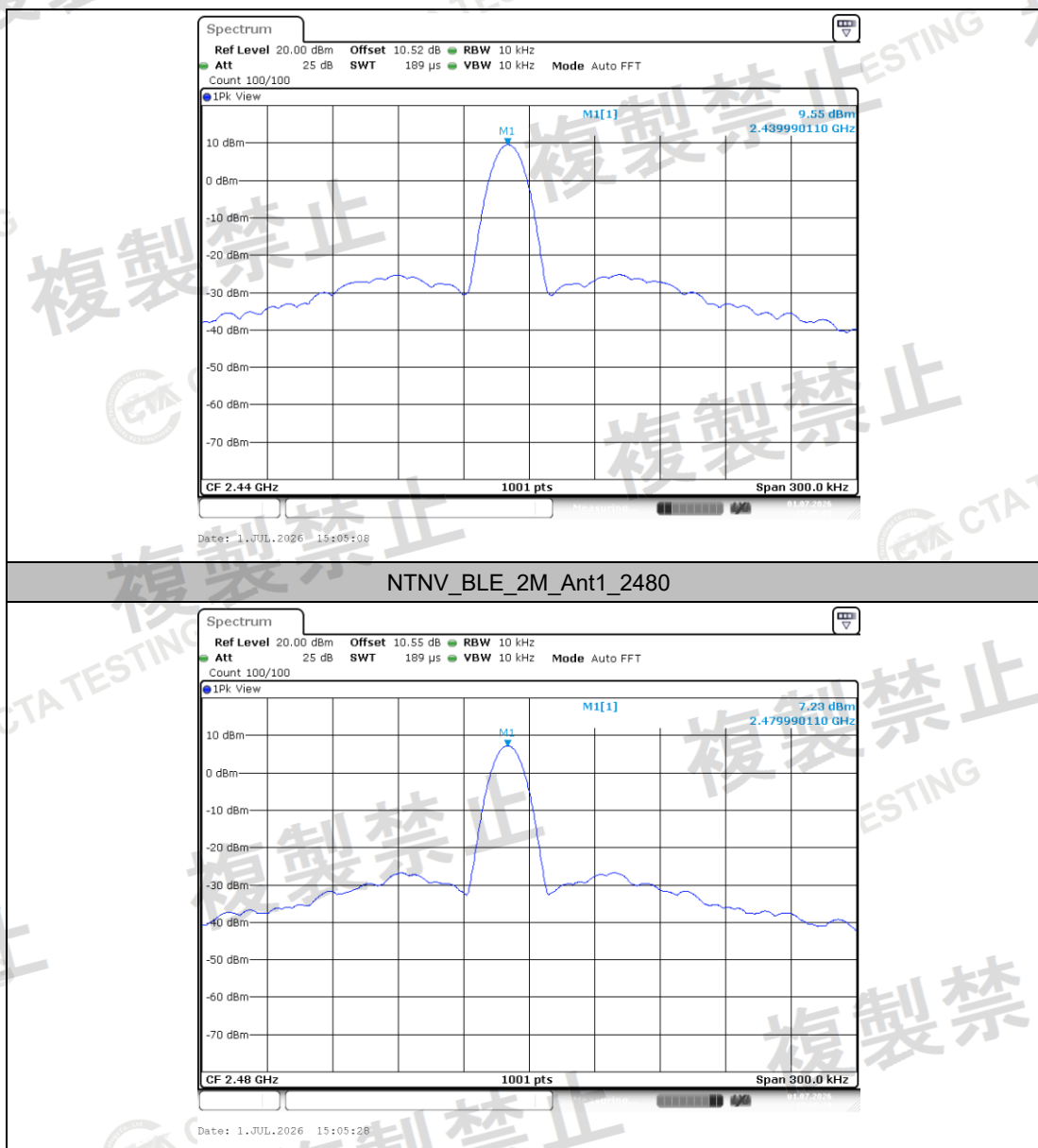
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Appendix B: Occupied Bandwidth

Test Result

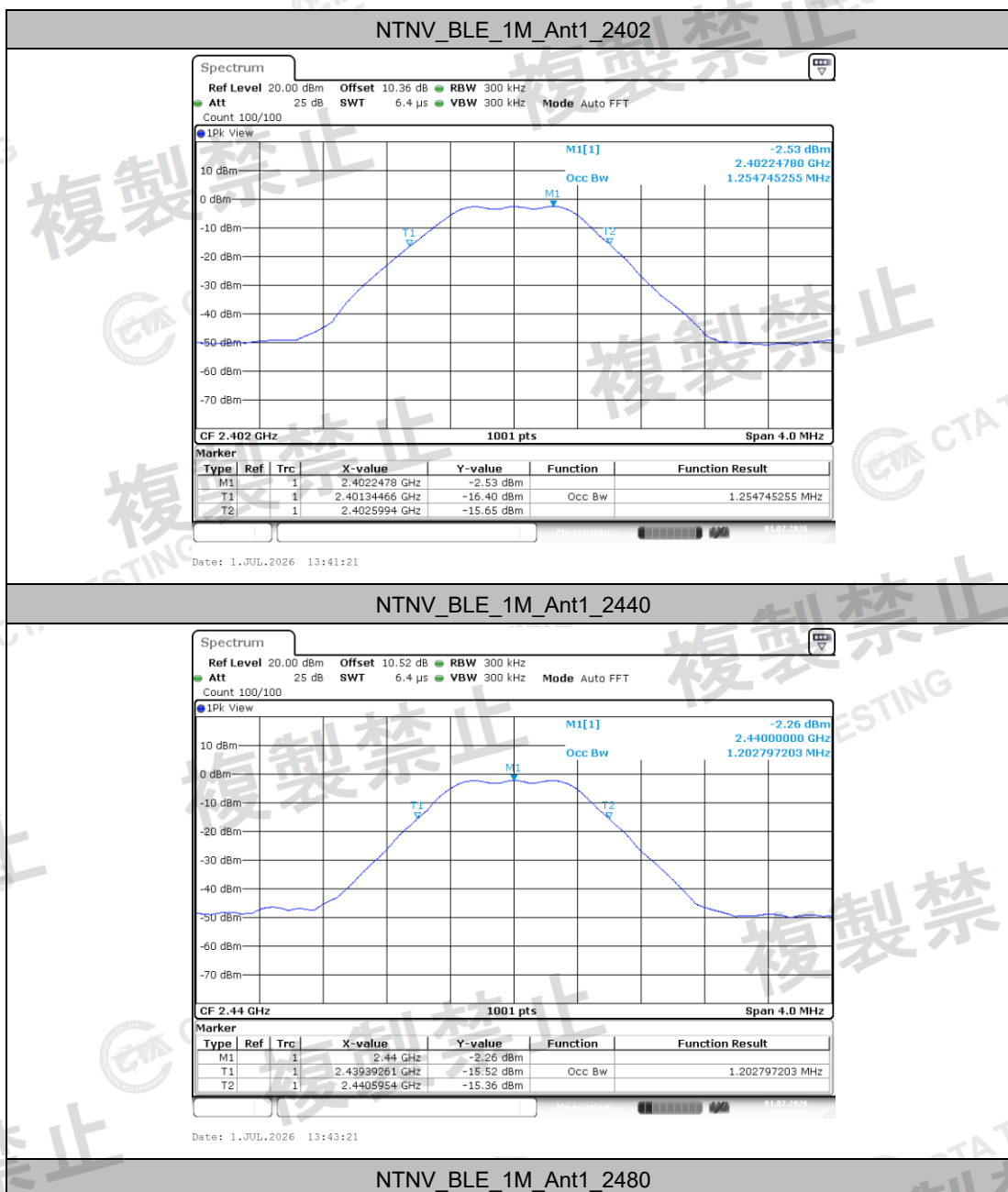
TestCondition	TestMode	Antenna	Freq(MHz)	Result [MHz]	Limit [MHz]	Verdict
NTNV	BLE_1M	Ant1	2402	1.255	≤26	PASS
			2440	1.203	≤26	PASS
			2480	1.259	≤26	PASS
	BLE_2M	Ant1	2402	2.126	≤26	PASS
			2440	2.134	≤26	PASS
			2480	2.138	≤26	PASS



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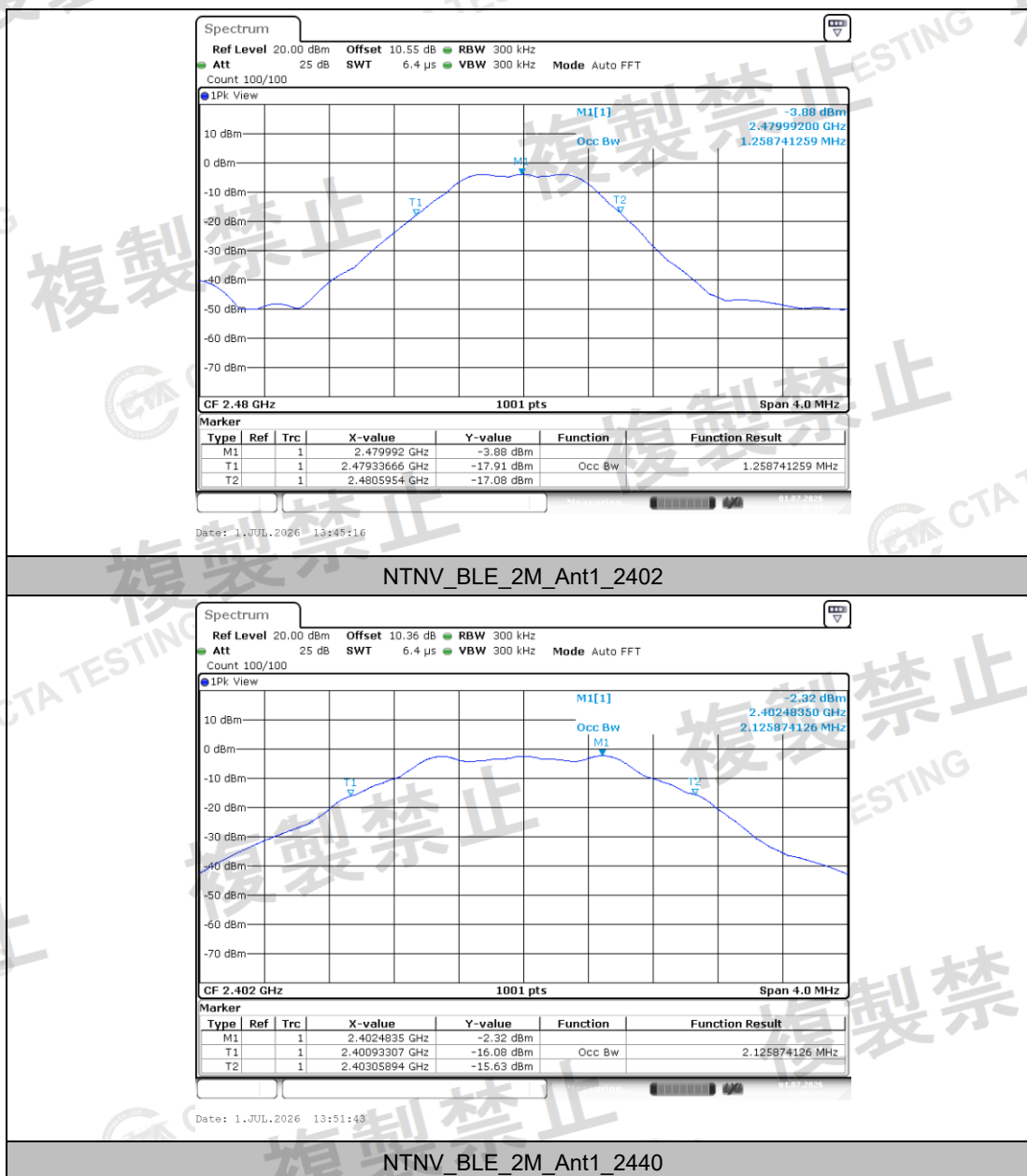
Test Graphs





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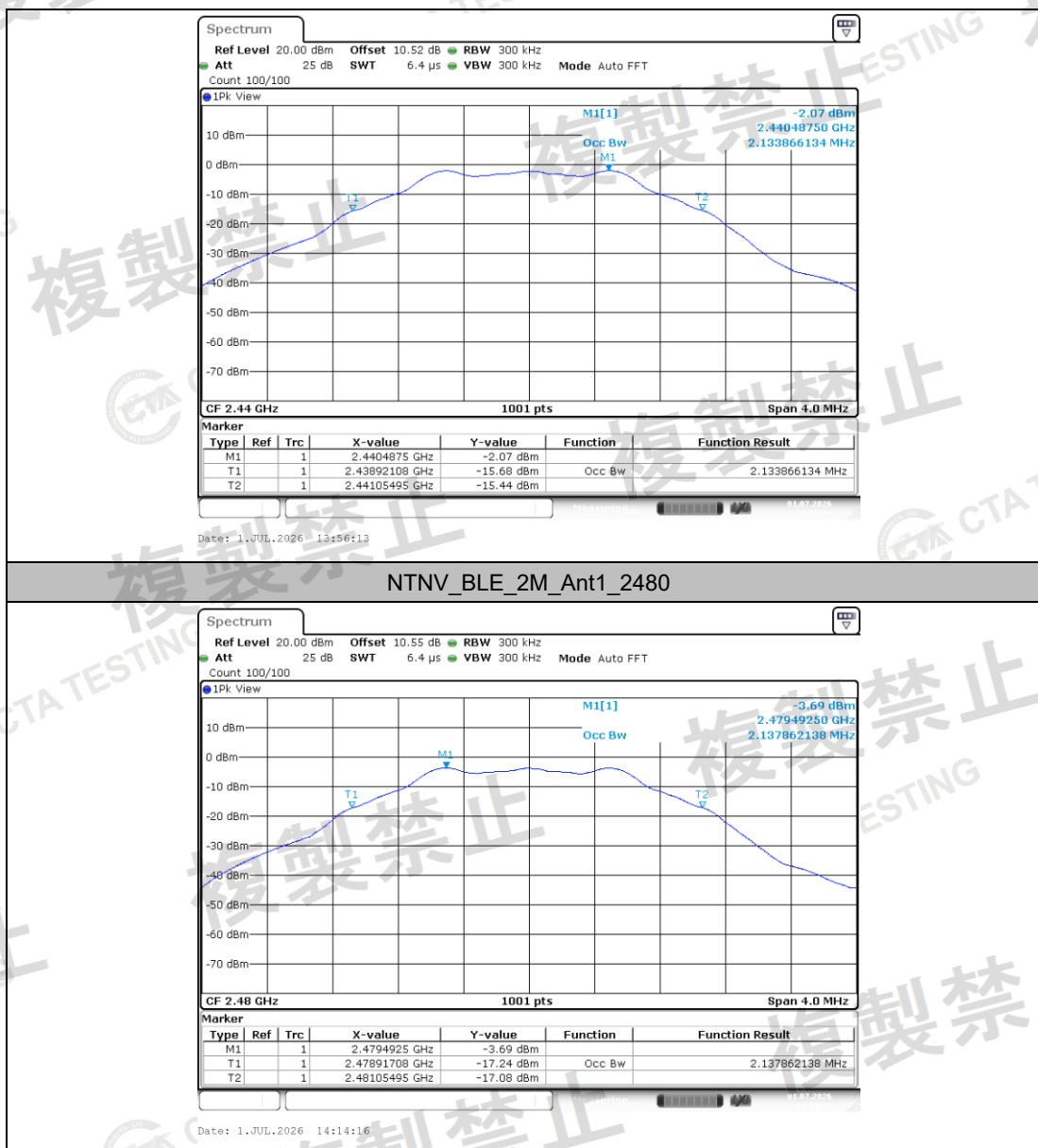
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Appendix C: Spread Bandwidth

Test Result

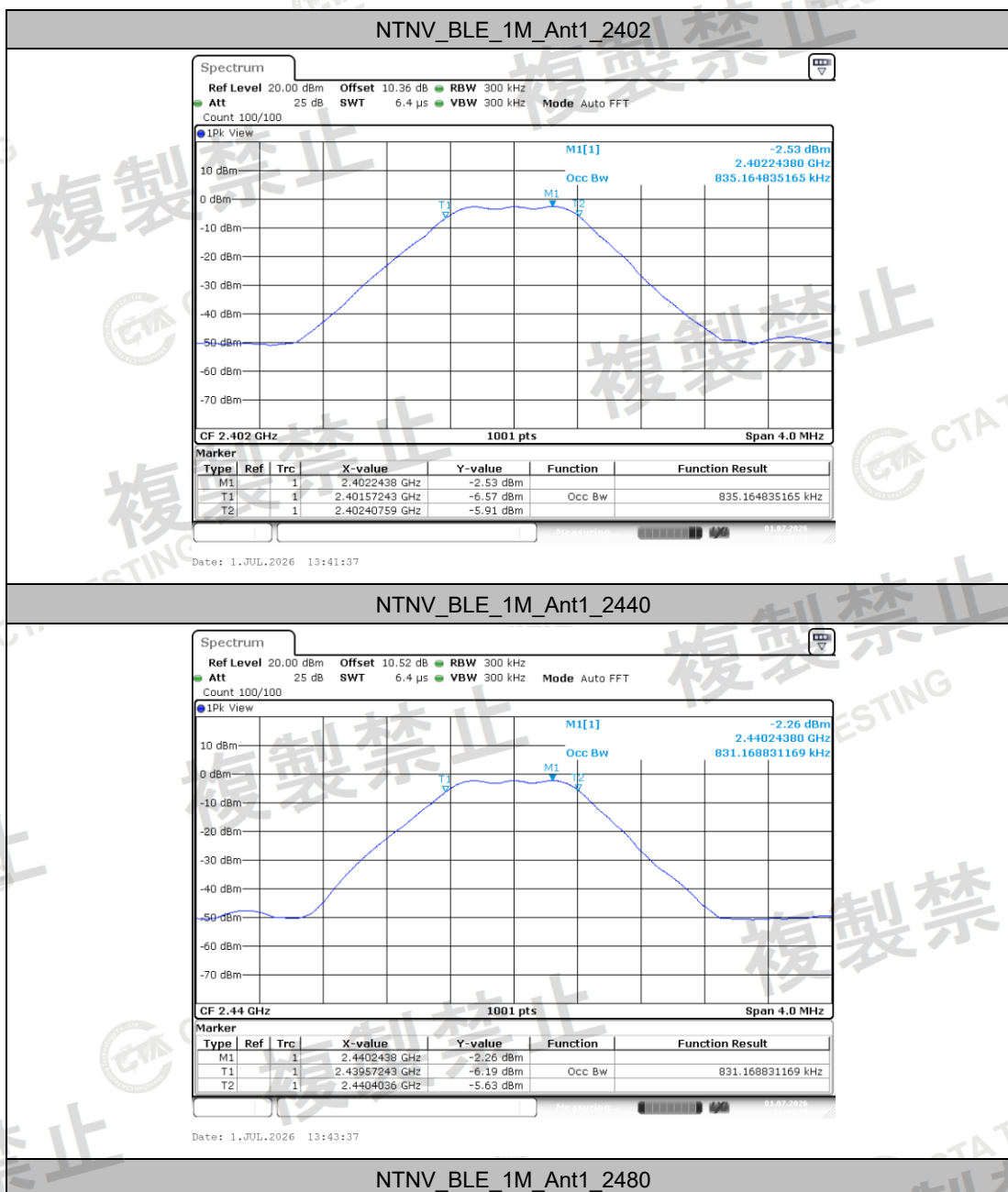
TestCondition	TestMode	Antenna	Freq(MHz)	Result [MHz]	Limit [MHz]	Verdict
NTNV	BLE_1M	Ant1	2402	0.835	≥ 0.5	PASS
			2440	0.831	≥ 0.5	PASS
			2480	0.823	≥ 0.5	PASS
	BLE_2M	Ant1	2402	1.363	≥ 0.5	PASS
			2440	1.363	≥ 0.5	PASS
			2480	1.363	≥ 0.5	PASS



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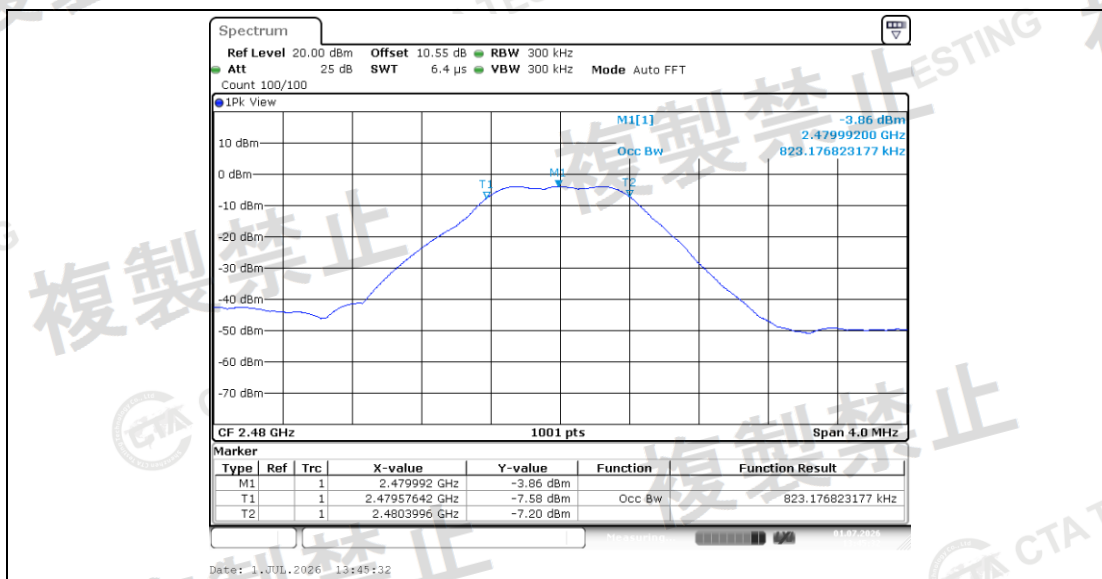
Test Graphs



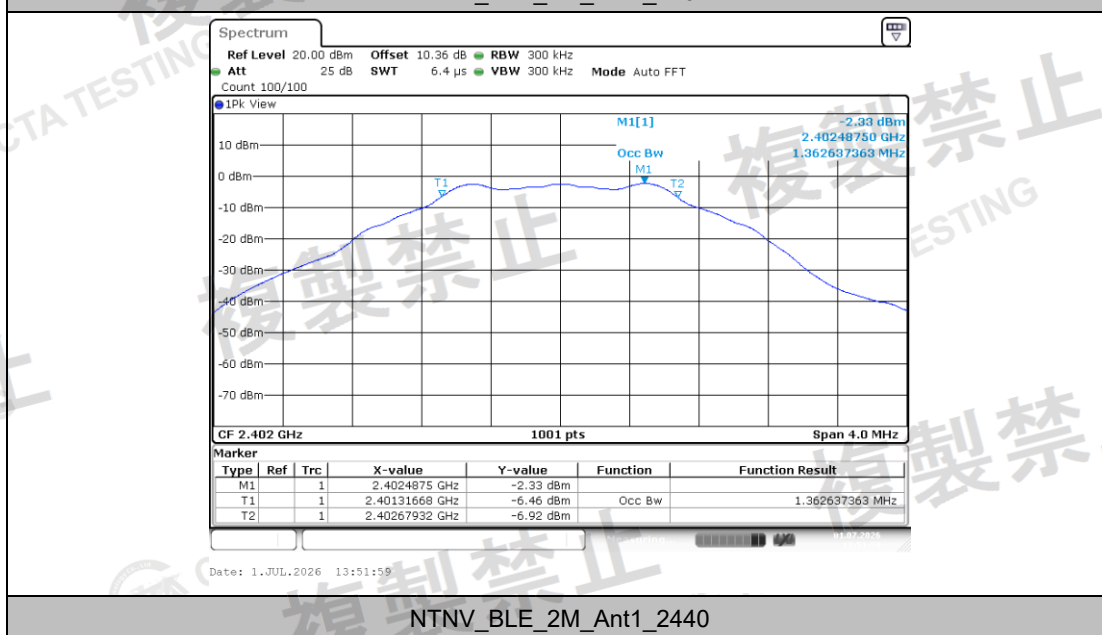


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NTNV_BLE_2M_Ant1_2402

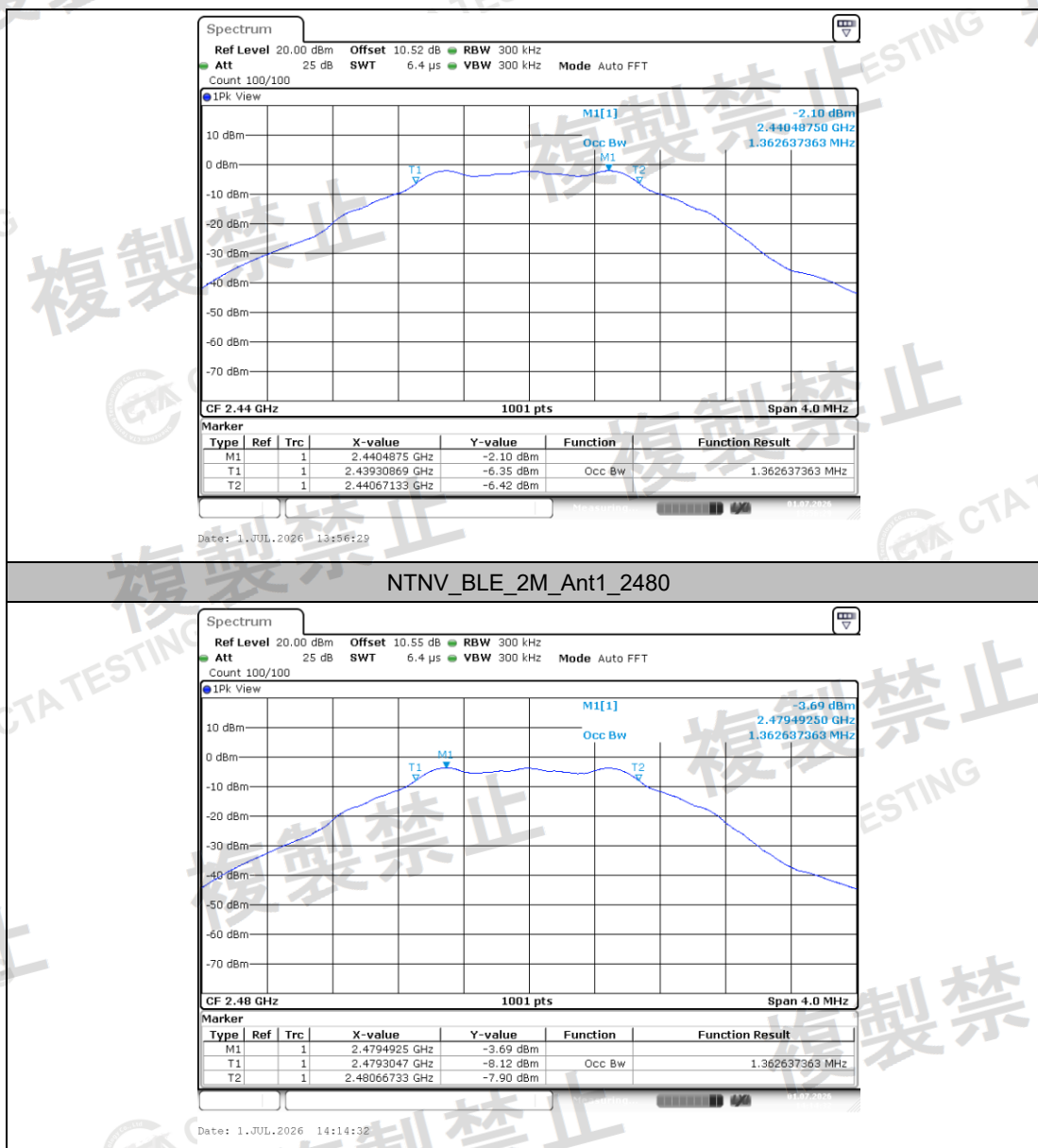


NTNV_BLE_2M_Ant1_2440



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Appendix D: Spurious Emission of TX

Test Result

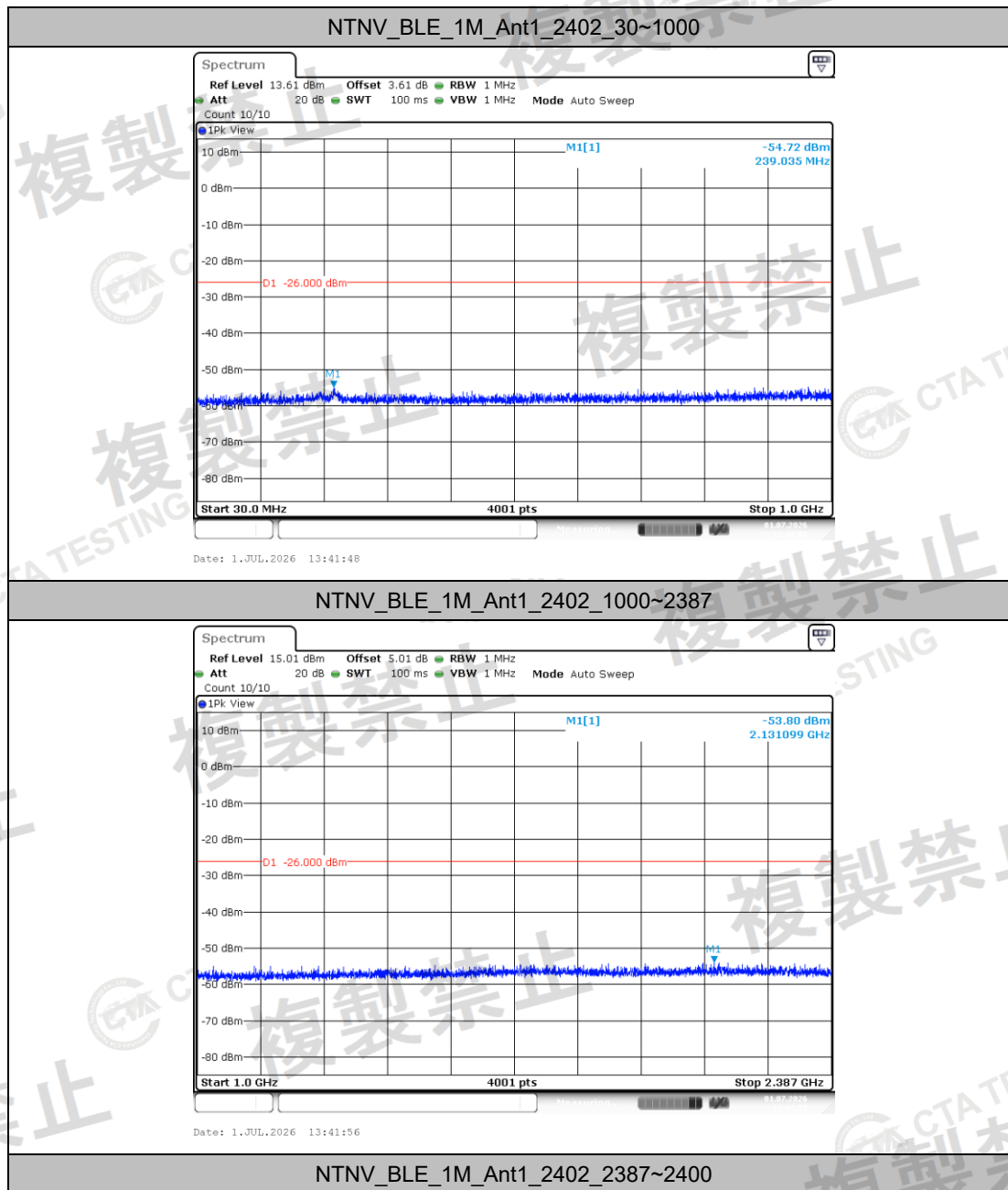
TestCondition	TestMode	Antenna	Freq(M Hz)	Freq.Range [MHz]	Freq. [MHz]	Result [dBm]	Limit [dBm]	Result [μW]	Limit [μW]	Verdict
NTNV	BLE_1M	Ant1	2402	30~1000	239.04	-54.72	≤-26	0.00337	≤2.5	PASS
				1000~2387	2131.10	-53.80	≤-26	0.00417	≤2.5	PASS
				2387~2400	2399.99	-33.36	≤-16	0.46132	≤25	PASS
				2483.5~2496.5	2493.13	-43.76	≤-16	0.04207	≤25	PASS
				2496.5~13000	5854.47	-43.33	≤-26	0.04645	≤2.5	PASS
			2440	30~1000	978.18	-54.61	≤-26	0.00346	≤2.5	PASS
				1000~2387	2235.82	-53.15	≤-26	0.00484	≤2.5	PASS
				2387~2400	2397.34	-43.69	≤-16	0.04276	≤25	PASS
				2483.5~2496.5	2487.15	-43.74	≤-16	0.04227	≤25	PASS
				2496.5~13000	6997.77	-43.85	≤-26	0.04121	≤2.5	PASS
			2480	30~1000	913.67	-52.78	≤-26	0.00527	≤2.5	PASS
				1000~2387	2089.49	-53.55	≤-26	0.00442	≤2.5	PASS
				2387~2400	2395.25	-43.55	≤-16	0.04416	≤25	PASS
				2483.5~2496.5	2483.84	-40.36	≤-16	0.09204	≤25	PASS
				2496.5~13000	6951.56	-42.28	≤-26	0.05916	≤2.5	PASS
	BLE_2M	Ant1	2402	30~1000	232.97	-53.86	≤-26	0.00411	≤2.5	PASS
				1000~2387	2024.30	-53.85	≤-26	0.00412	≤2.5	PASS
				2387~2400	2400.00	-20.54	≤-16	8.83080	≤25	PASS
				2483.5~2496.5	2494.15	-43.60	≤-16	0.04365	≤25	PASS
				2496.5~13000	6858.08	-44.08	≤-26	0.03908	≤2.5	PASS
			2440	30~1000	982.78	-54.22	≤-26	0.00378	≤2.5	PASS
				1000~2387	2260.78	-53.79	≤-26	0.00418	≤2.5	PASS
				2387~2400	2391.18	-43.77	≤-16	0.04198	≤25	PASS
				2483.5~2496.5	2493.31	-43.32	≤-16	0.04656	≤25	PASS
				2496.5~13000	6922.15	-44.45	≤-26	0.03589	≤2.5	PASS
			2480	30~1000	240.73	-54.97	≤-26	0.00318	≤2.5	PASS
				1000~2387	1531.57	-53.52	≤-26	0.00445	≤2.5	PASS
				2387~2400	2390.06	-43.71	≤-16	0.04256	≤25	PASS
				2483.5~2496.5	2484.20	-40.43	≤-16	0.09057	≤25	PASS
				2496.5~13000	5218.48	-43.58	≤-26	0.04385	≤2.5	PASS



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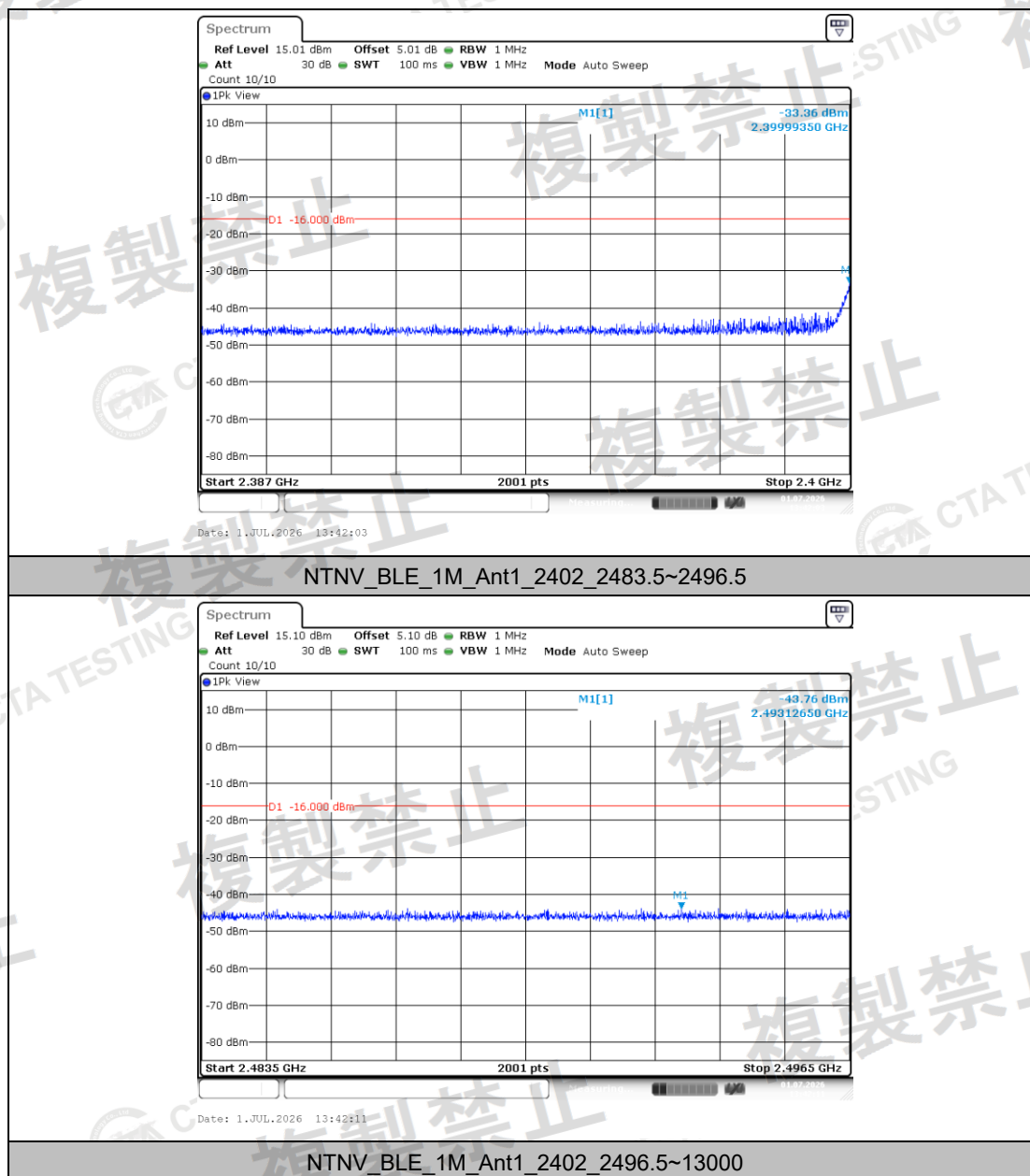
Test Graphs





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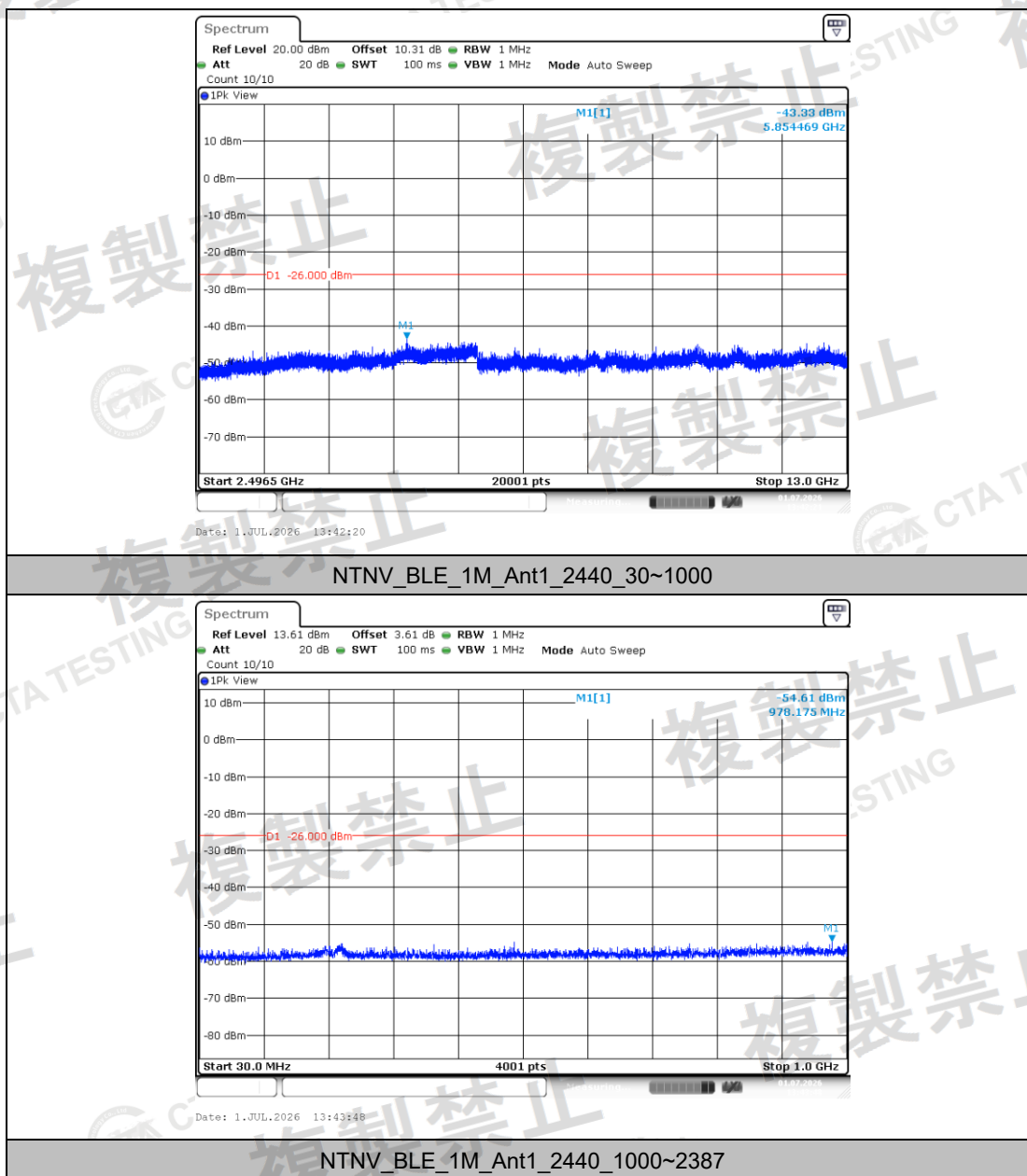
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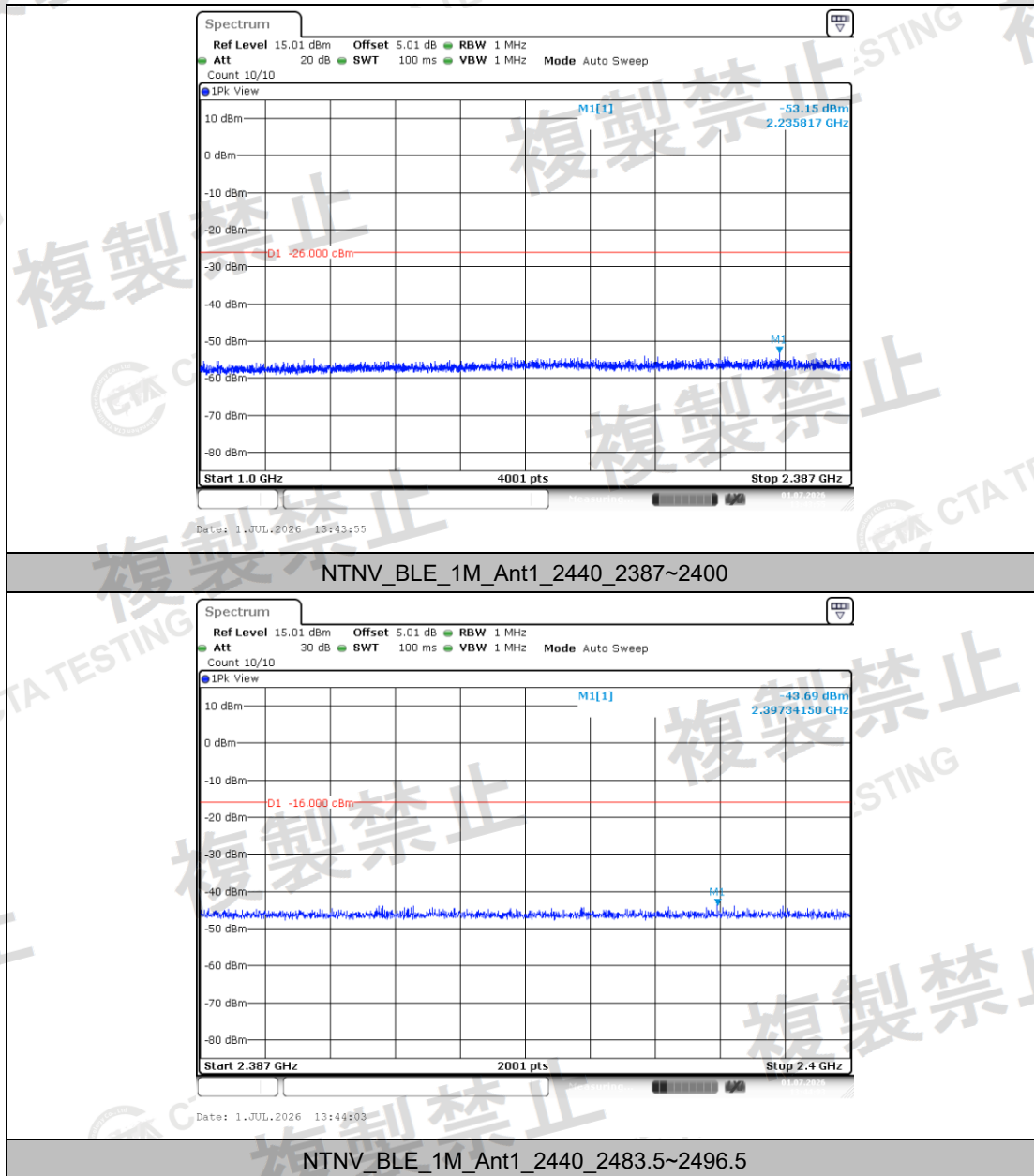
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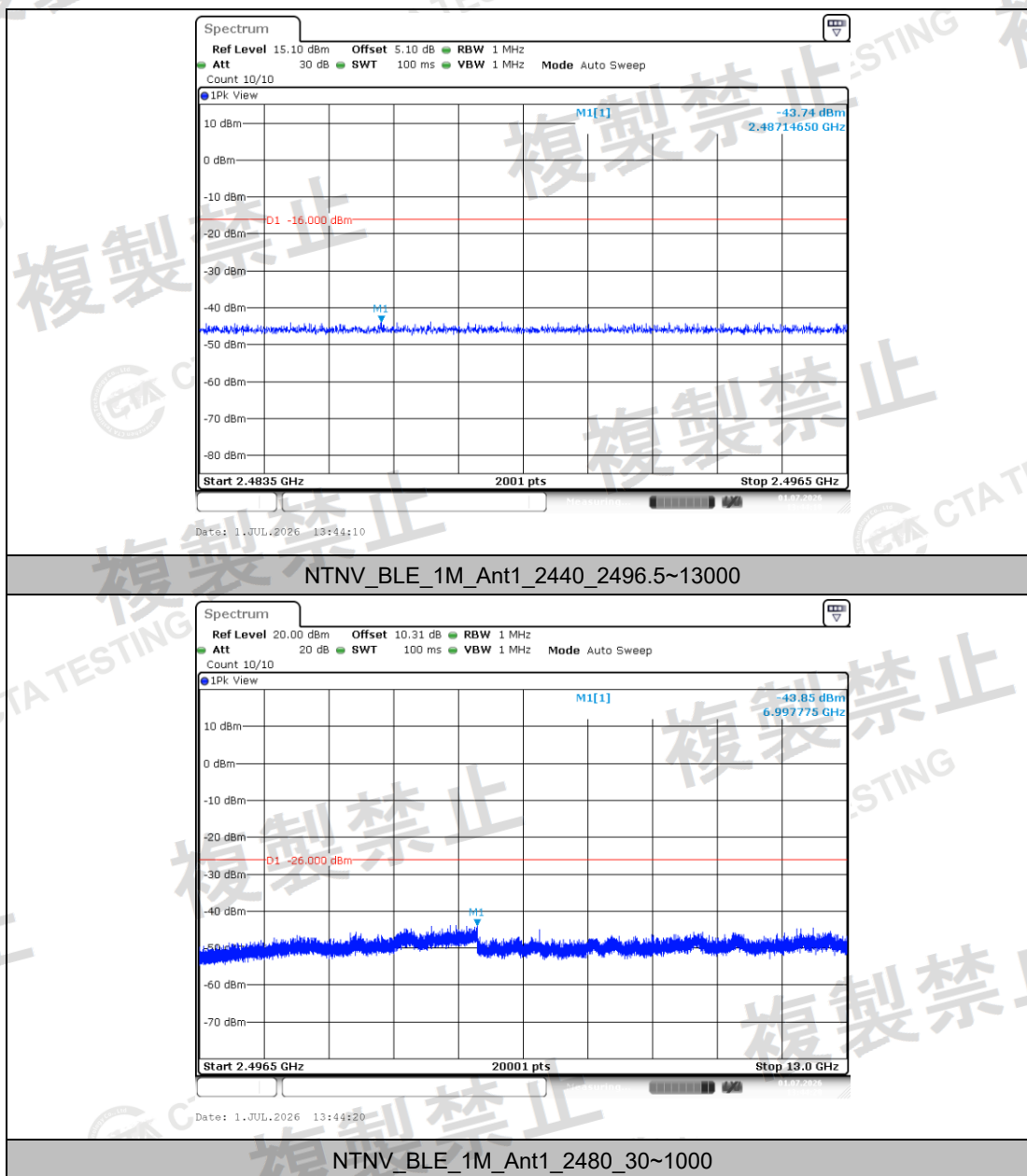
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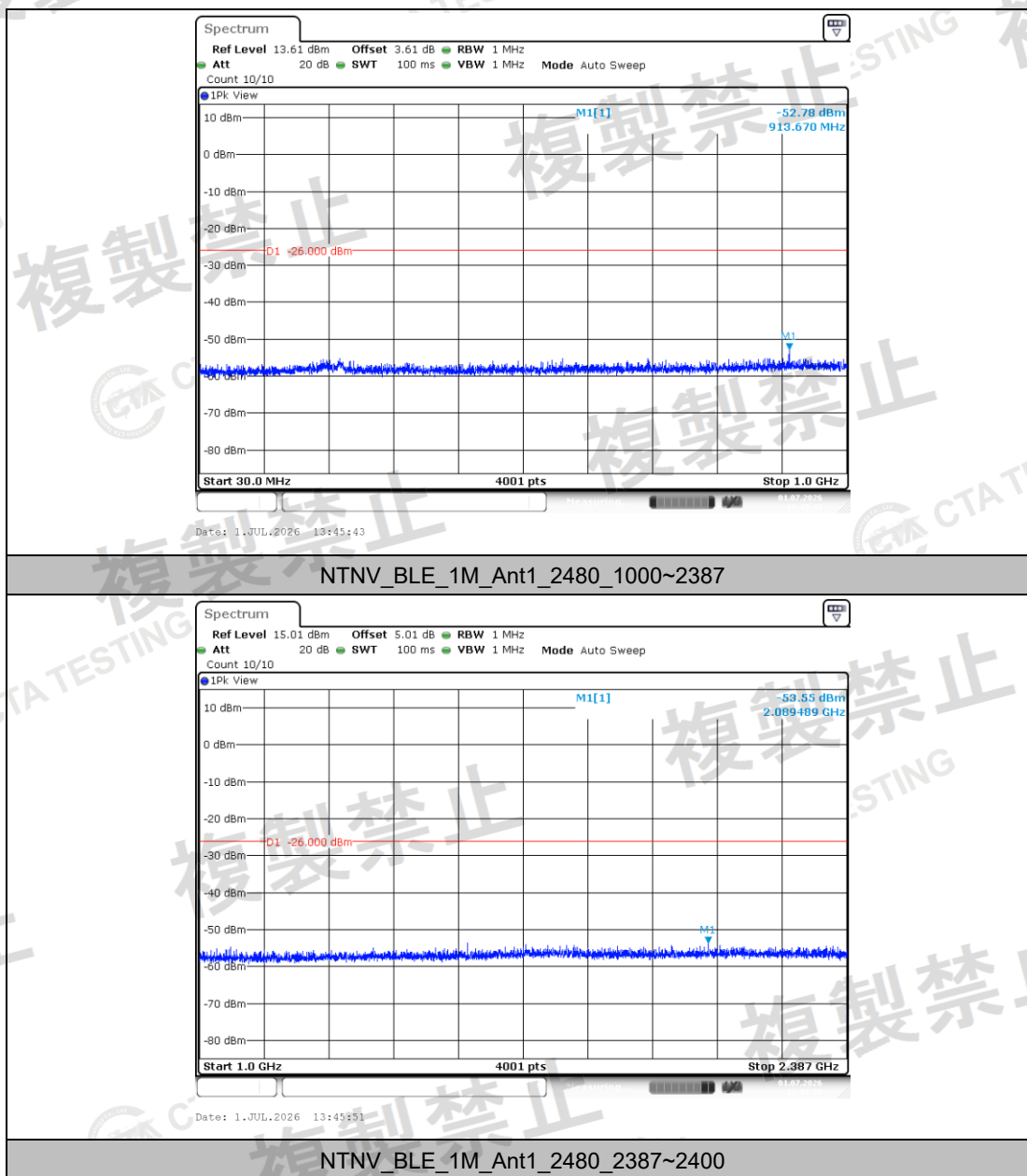
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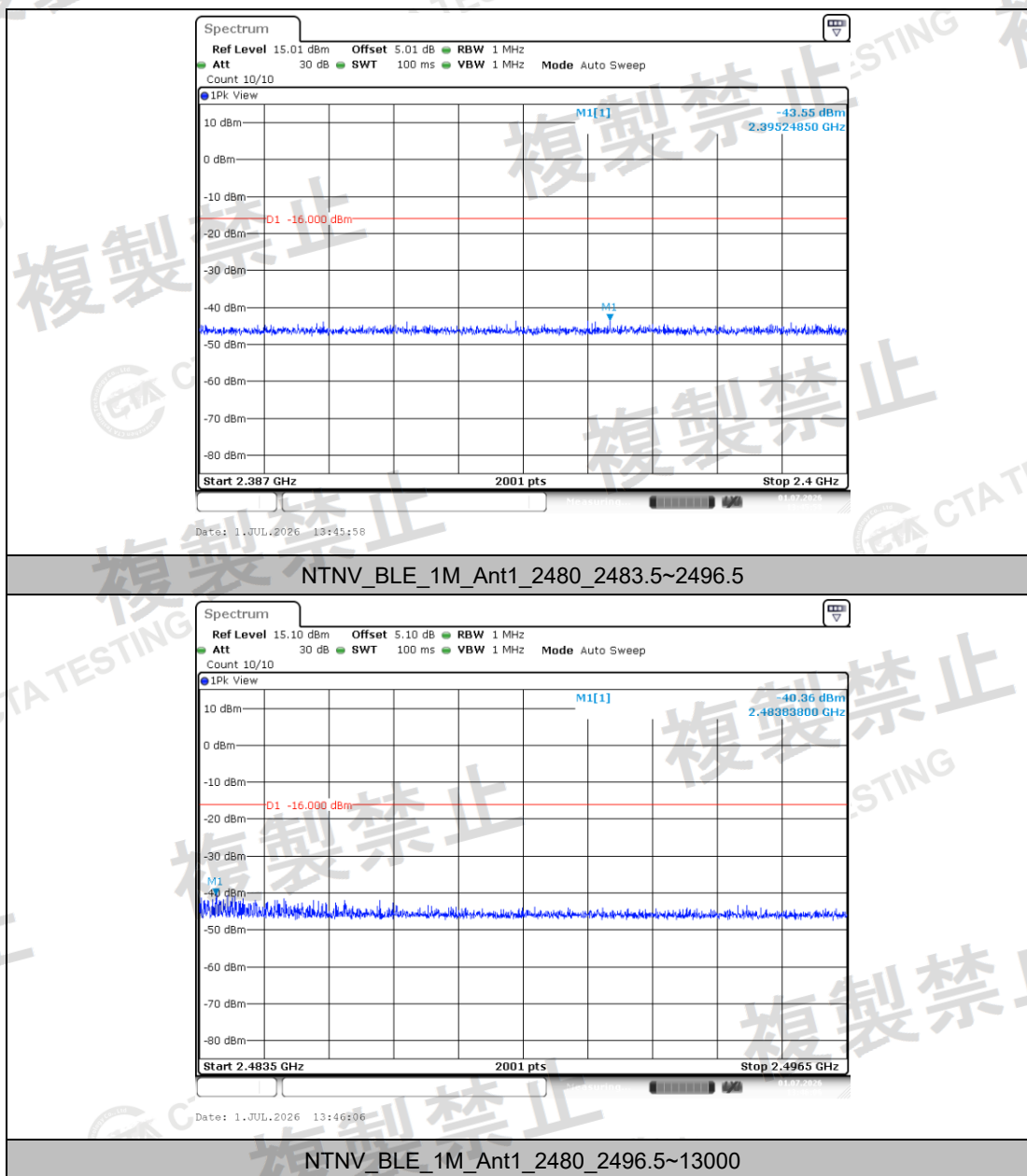
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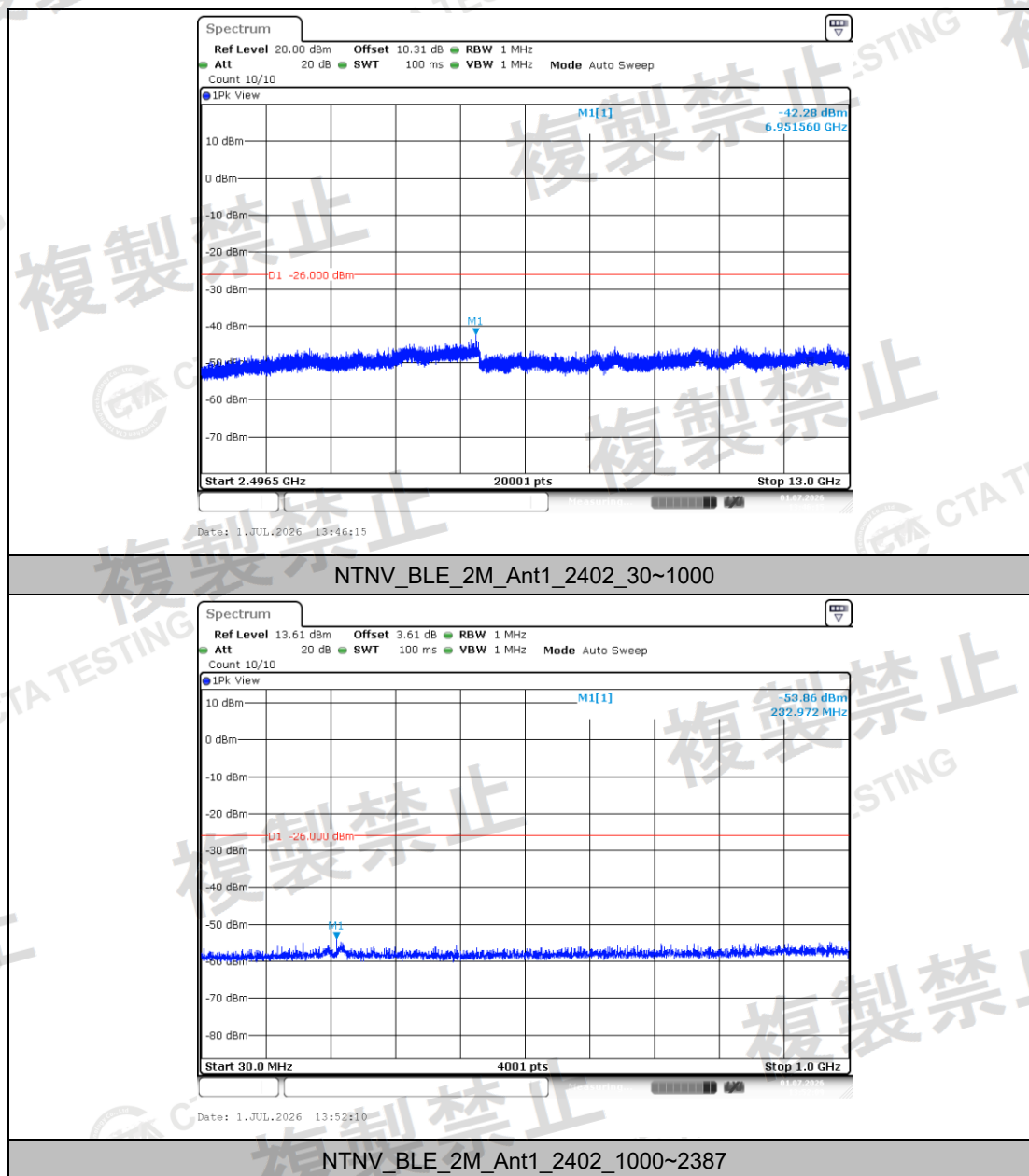
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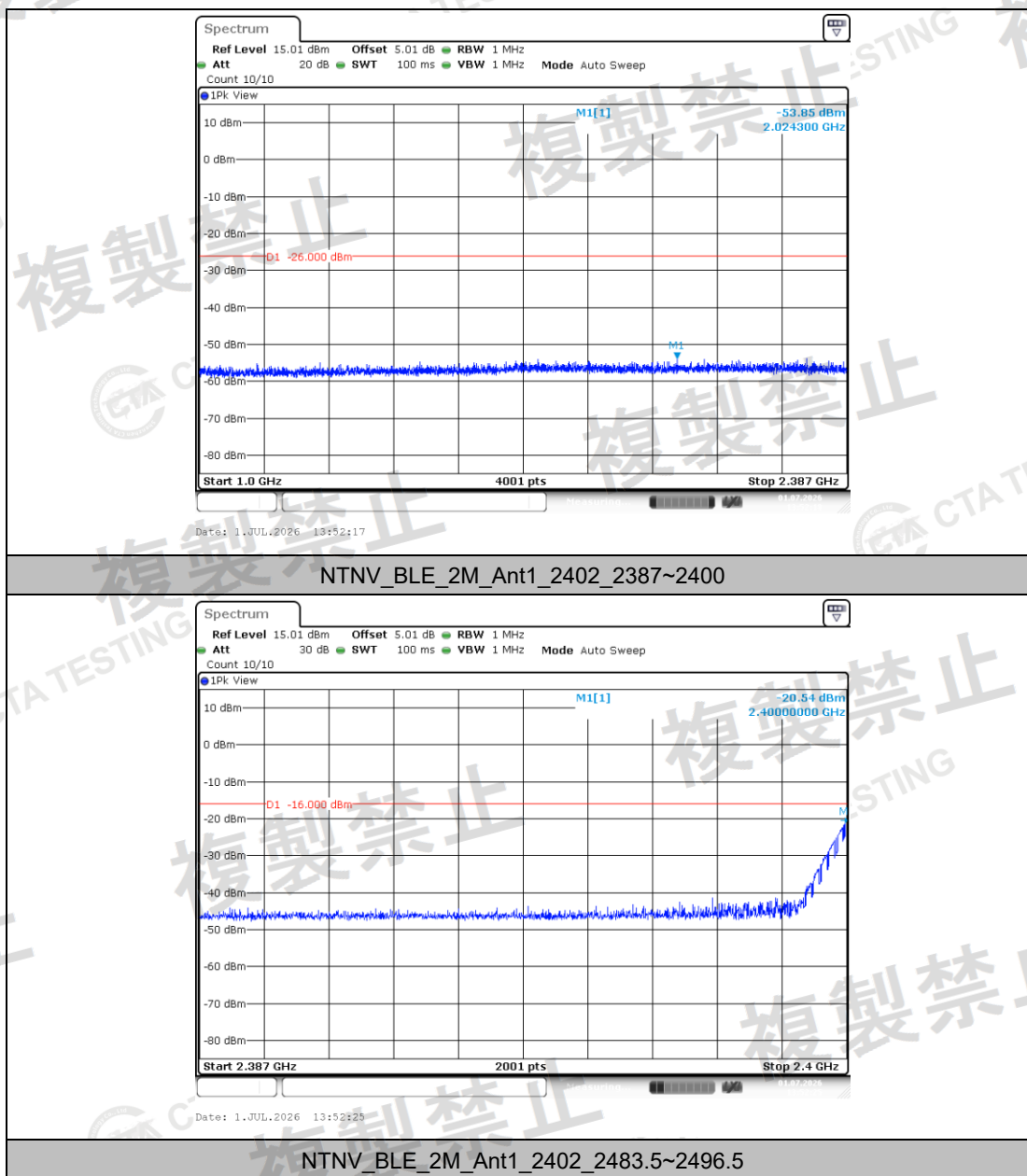
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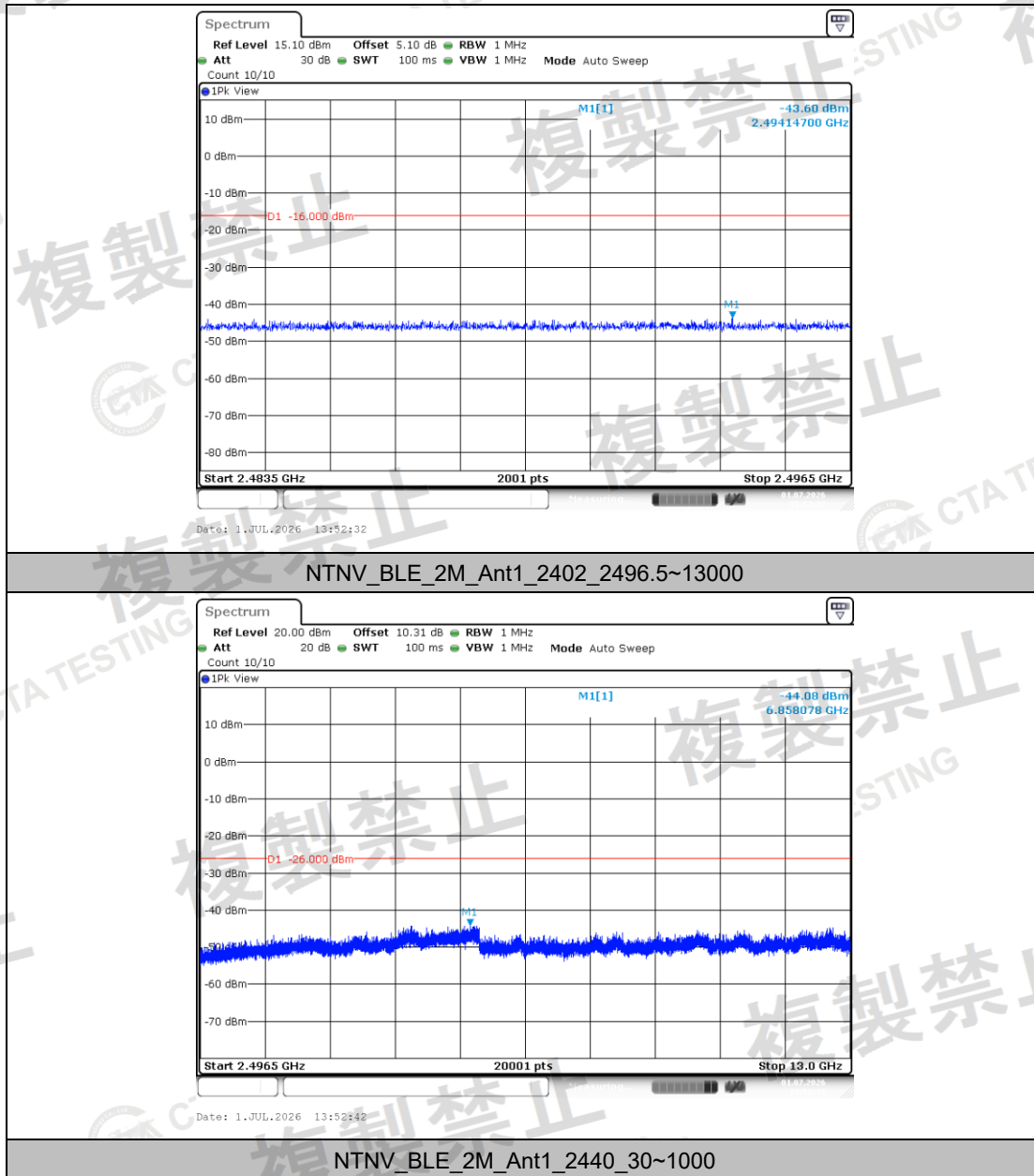
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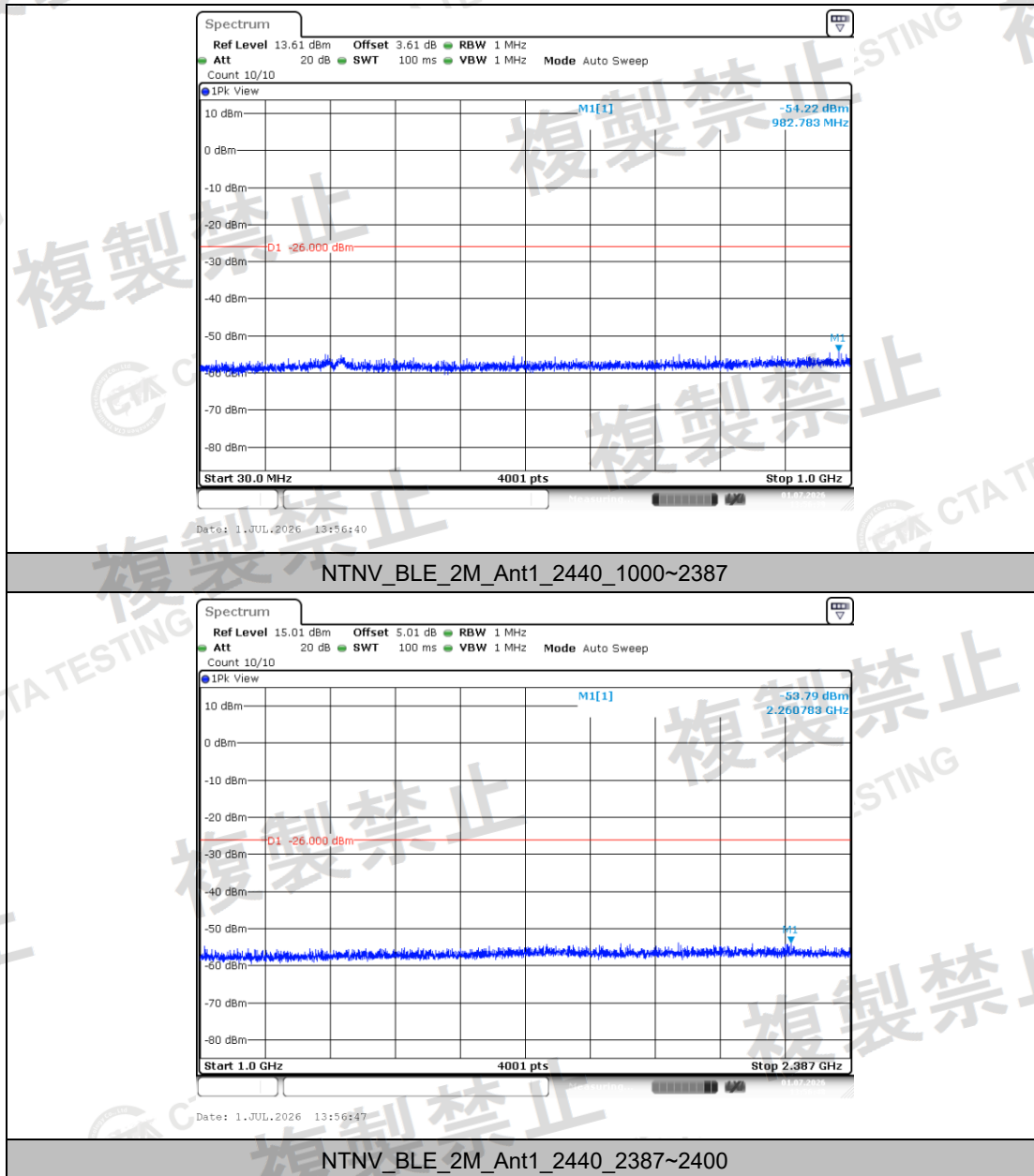
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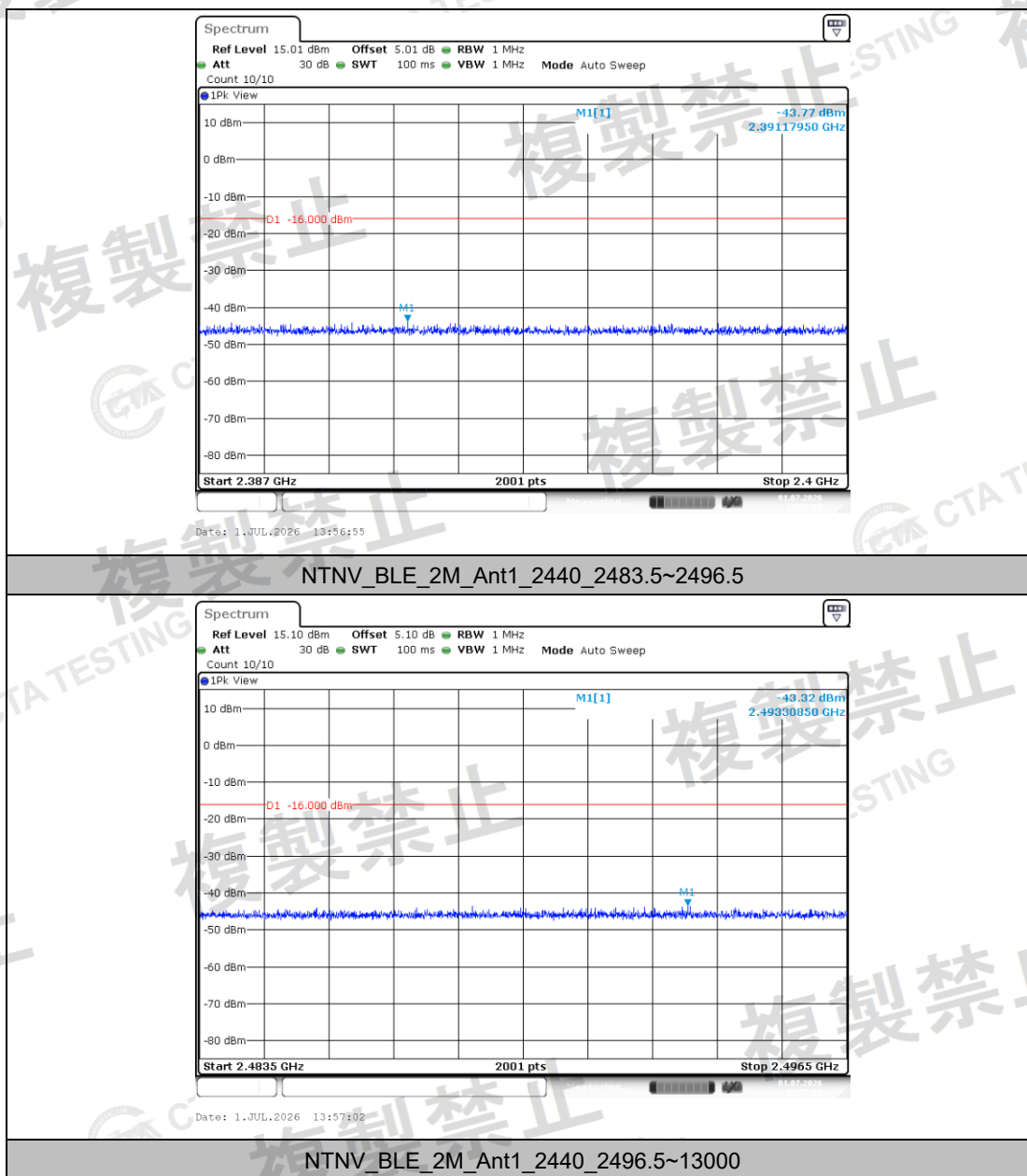
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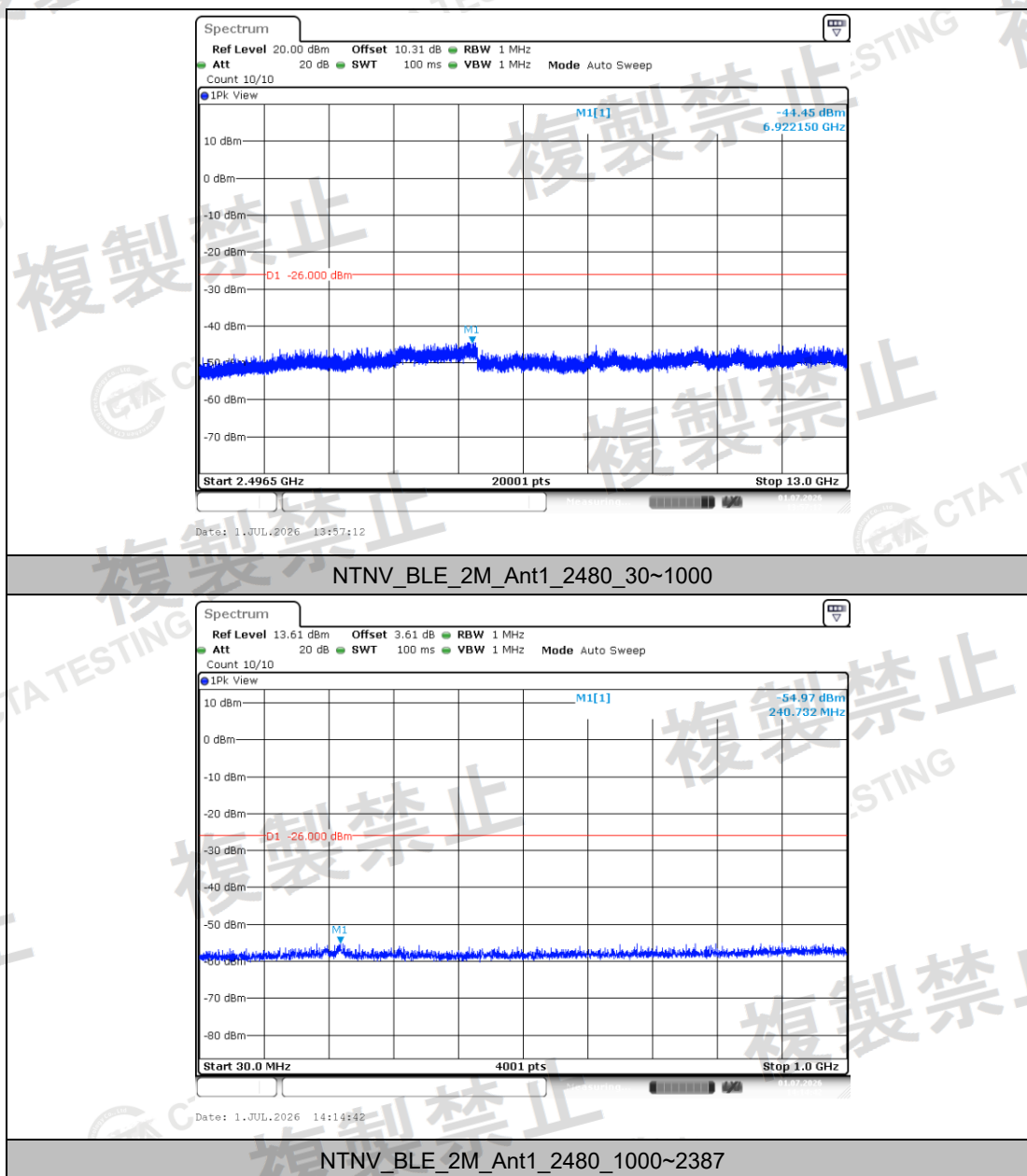
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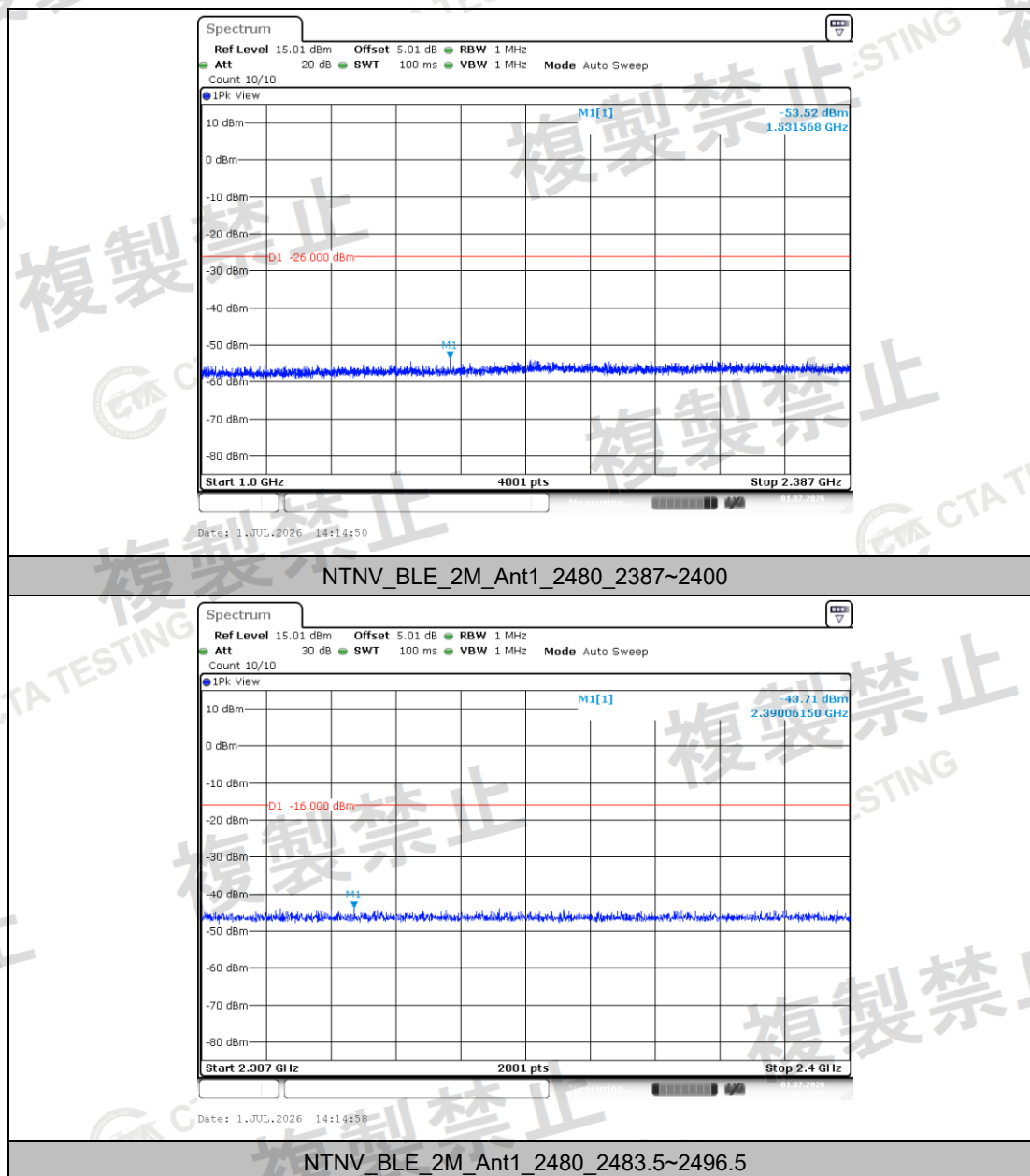
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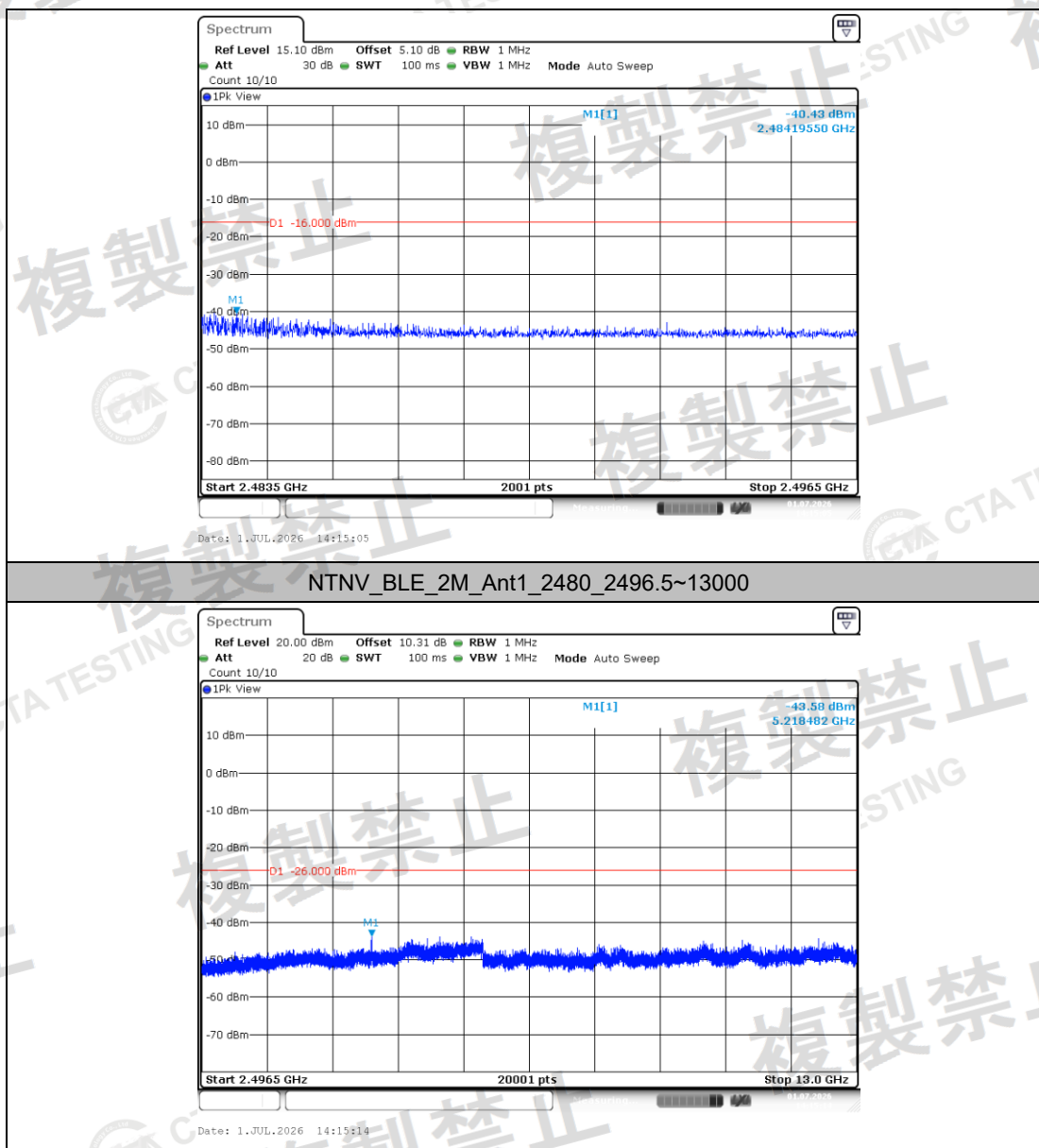
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Appendix E: Spurious Emission of RX

Test Result

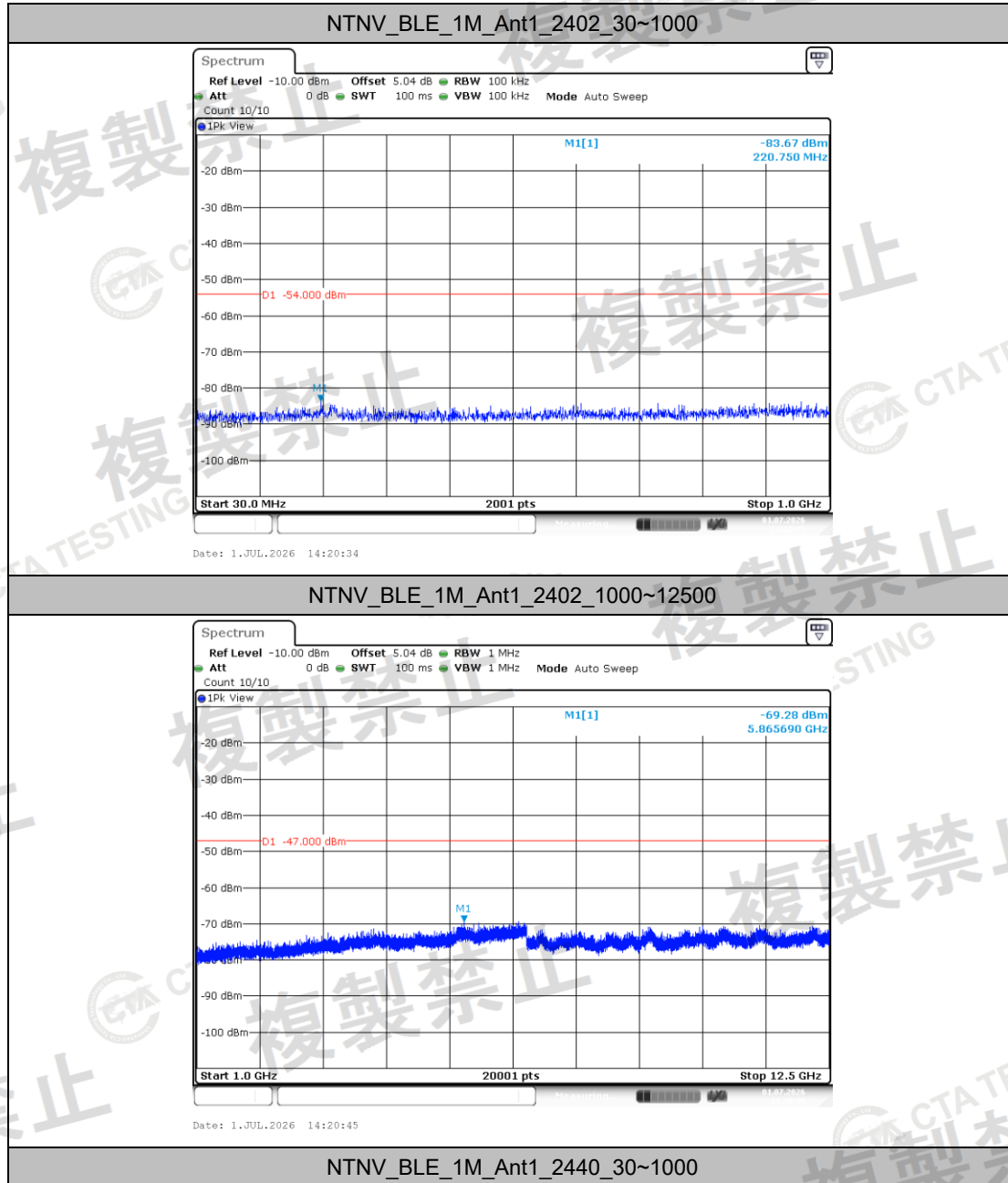
TestCondition	TestMode	Antenna	Freq(M Hz)	Freq.Range [MHz]	Freq. [MHz]	Result [dBm]	Limit [dBm]	Result [nW]	Limit [nW]	Verdict
NTNV	BLE_1M	Ant1	2402	30~1000	220.75	-83.67	≤-54	0.00430	≤4	PASS
				1000~12500	5865.69	-69.28	≤-47	0.11803	≤20	PASS
			2440	30~1000	880.02	-84.04	≤-54	0.00394	≤4	PASS
				1000~12500	6999.54	-68.90	≤-47	0.12882	≤20	PASS
			2480	30~1000	939.65	-83.50	≤-54	0.00447	≤4	PASS
				1000~12500	6975.39	-69.43	≤-47	0.11402	≤20	PASS
	BLE_2M	Ant1	2402	30~1000	138.34	-84.18	≤-54	0.00382	≤4	PASS
				1000~12500	6851.19	-69.57	≤-47	0.11041	≤20	PASS
			2440	30~1000	690.00	-83.78	≤-54	0.00419	≤4	PASS
				1000~12500	6981.14	-68.59	≤-47	0.13836	≤20	PASS
			2480	30~1000	244.02	-83.09	≤-54	0.00491	≤4	PASS
				1000~12500	6870.74	-69.54	≤-47	0.11117	≤20	PASS



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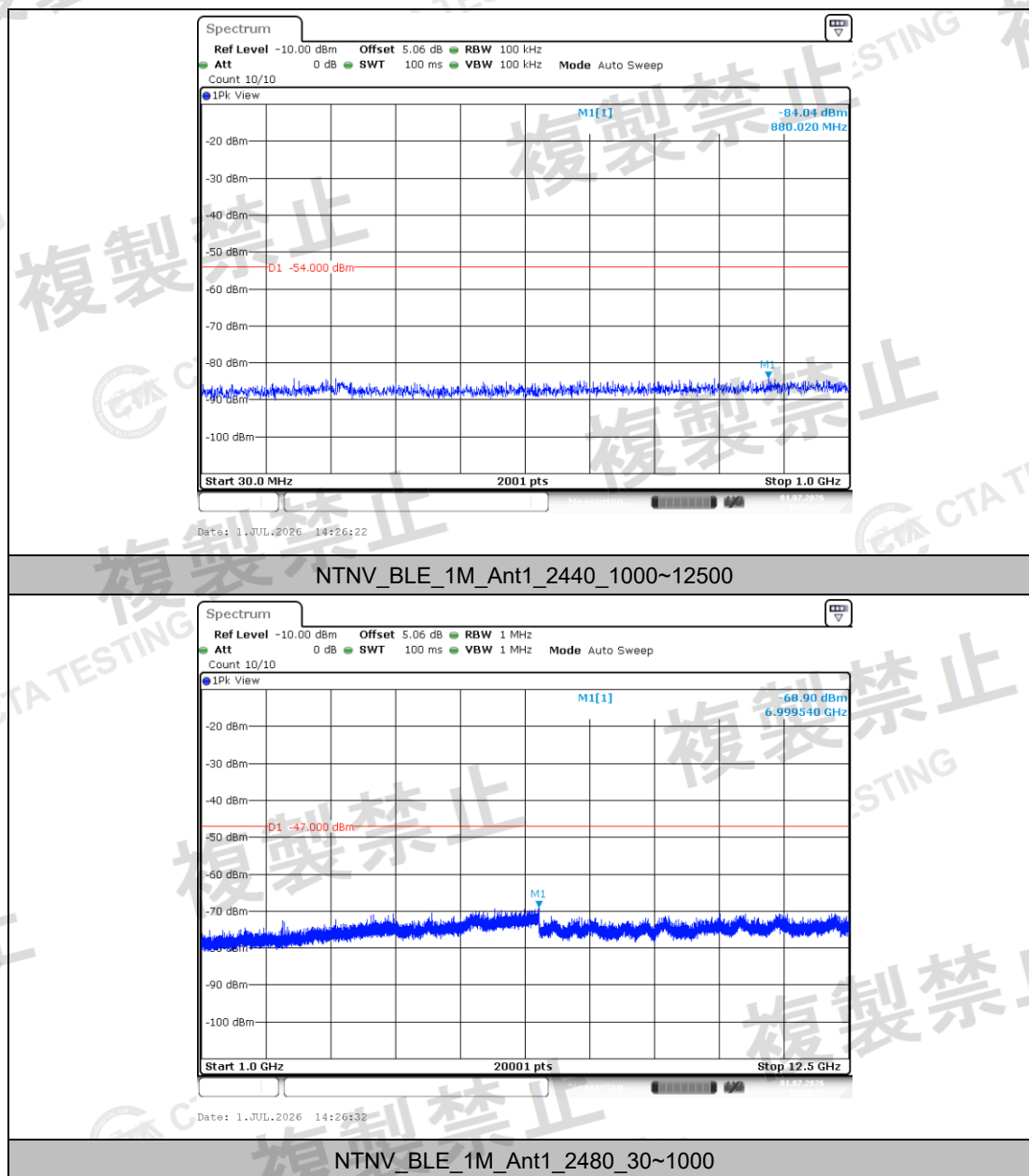
Test Graphs





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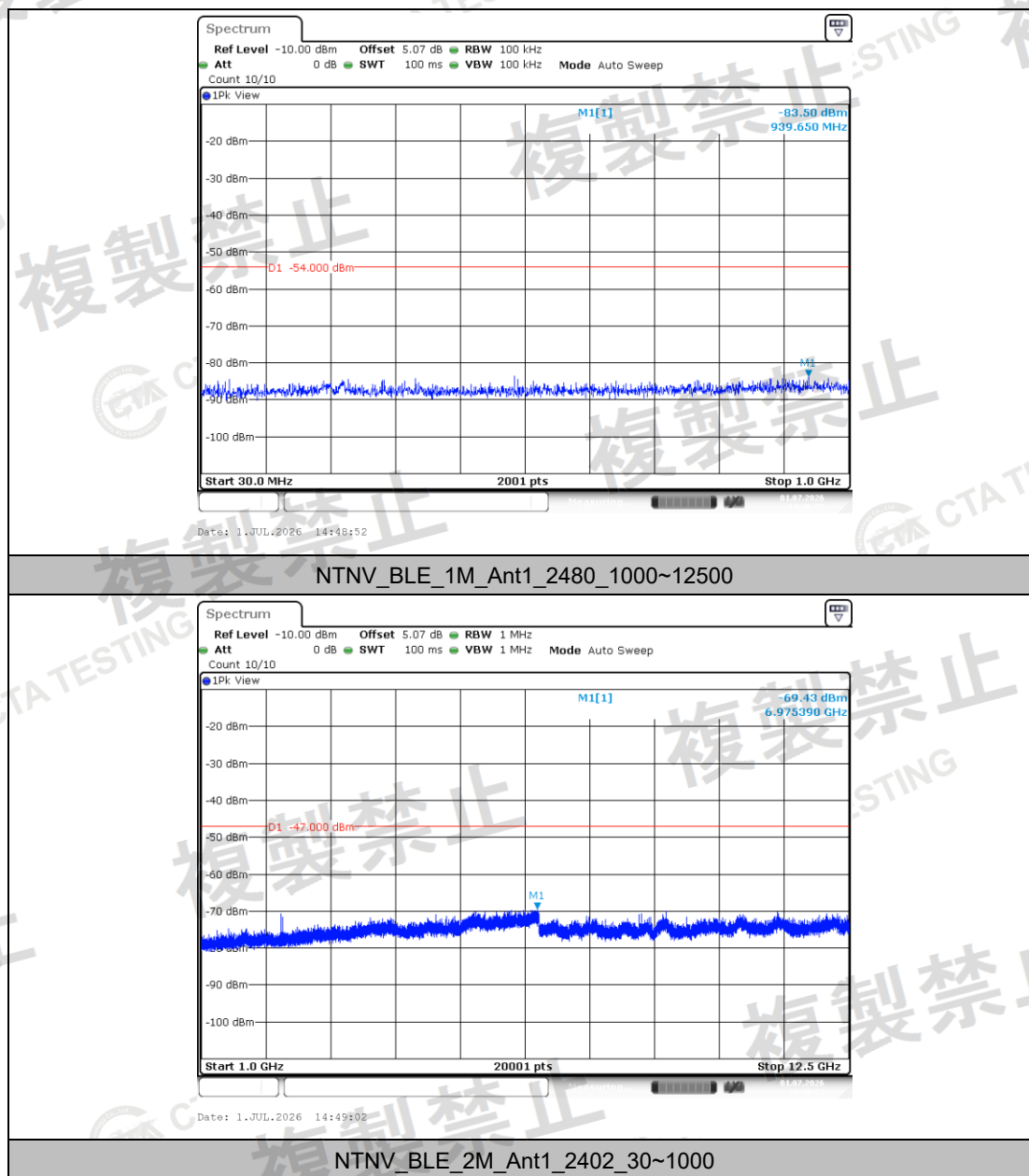
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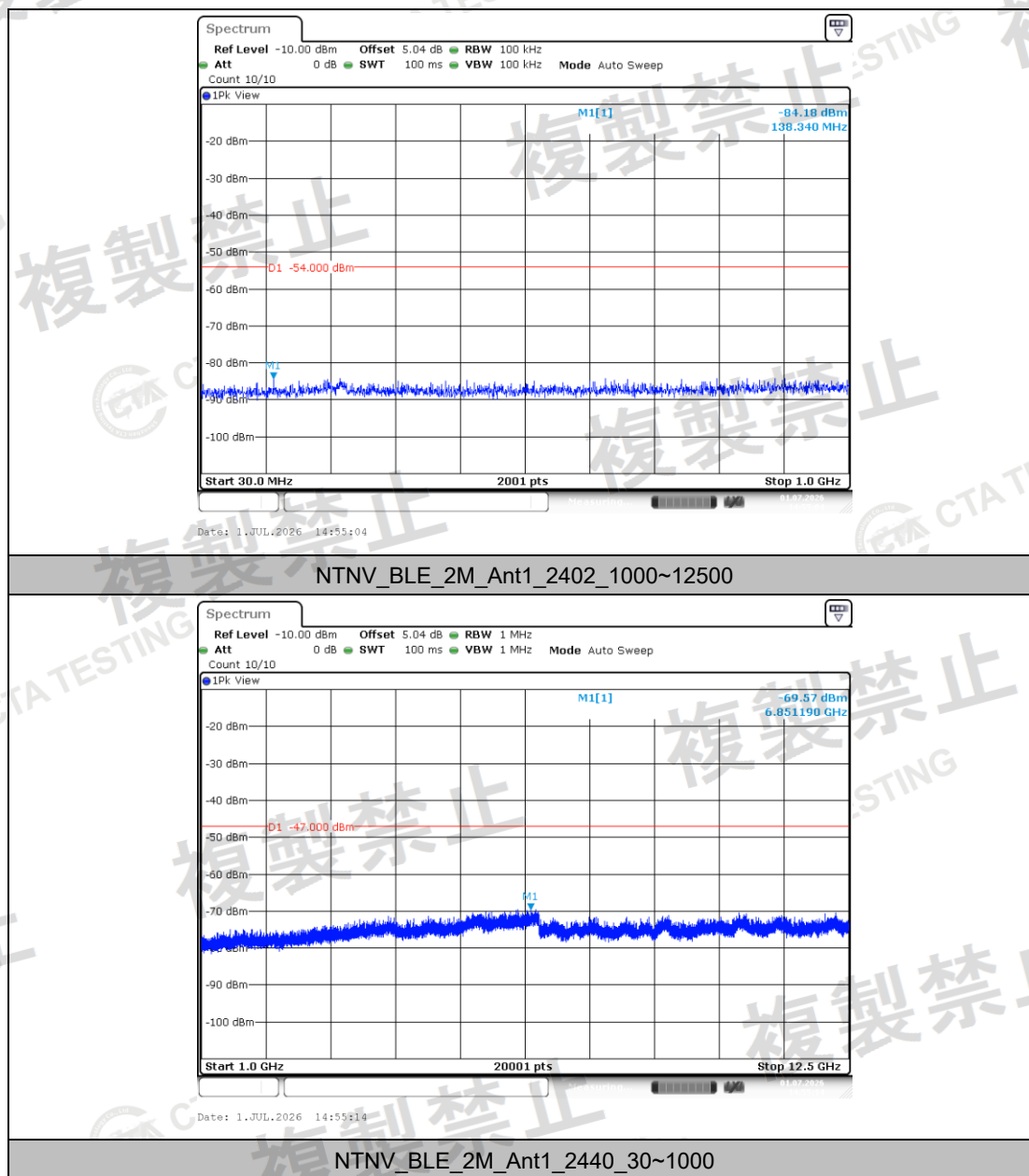
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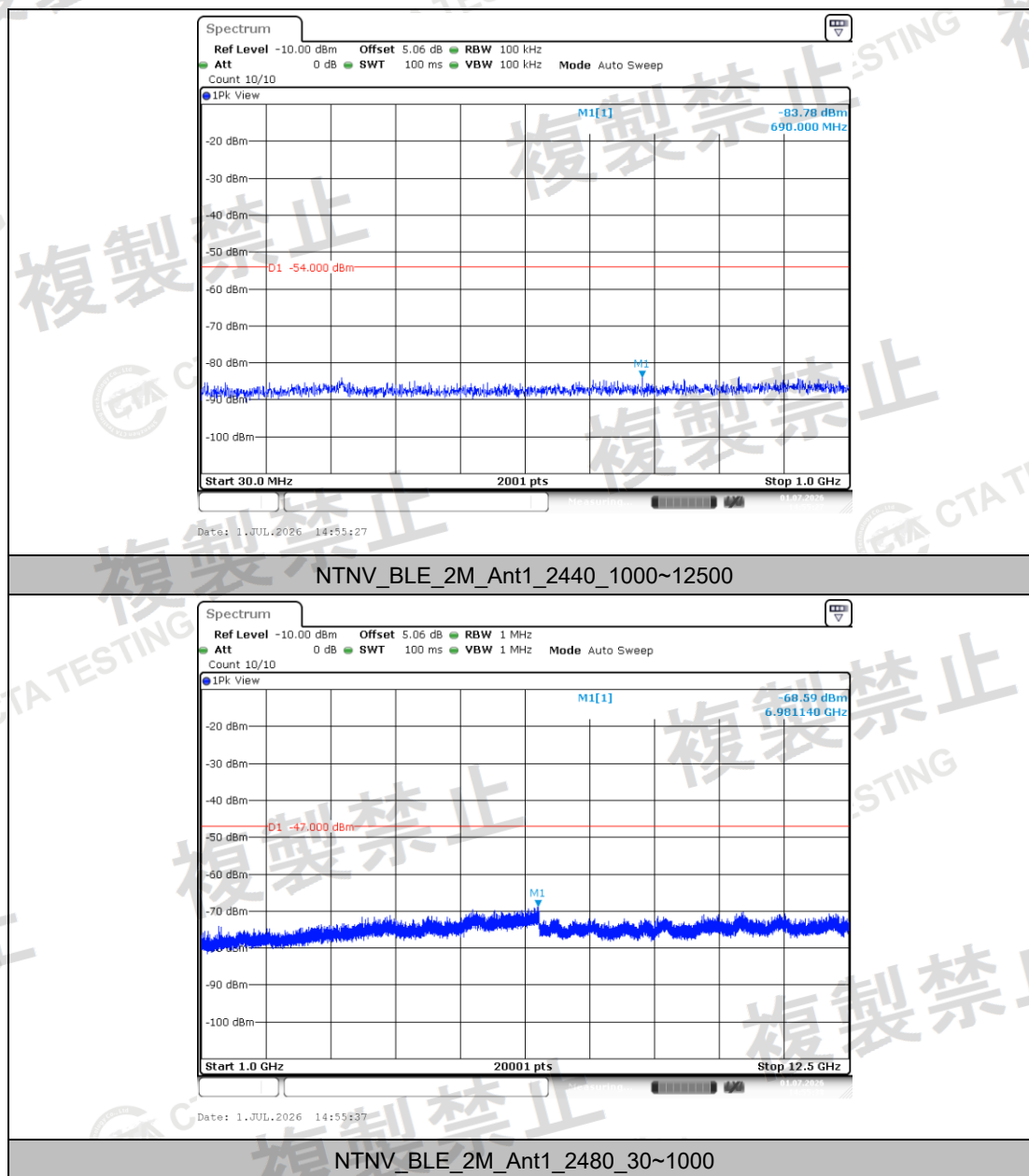
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