



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 2.4G

Company : SIMPS JAPAN CO., LTD.

EUT : Desktop Dinosaur

Model Number : B128480

Report No. : CTA26070902101

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	2.4G	Ant1	2415	4.34369	±50	PASS
			2440	4.05328	±50	PASS
			2465	3.76876	±50	PASS

TestCondition	TestMode	Antenna	Freq(MHz)	Result[ppm]	Limit[ppm]	Verdict
NTLV	2.4G	Ant1	2415	4.10295	±50	PASS
			2440	3.78527	±50	PASS
			2465	3.52323	±50	PASS

TestCondition	TestMode	Antenna	Freq(MHz)	Result[ppm]	Limit[ppm]	Verdict
NTHV	2.4G	Ant1	2415	4.14786	±50	PASS
			2440	3.81752	±50	PASS
			2465	3.53121	±50	PASS

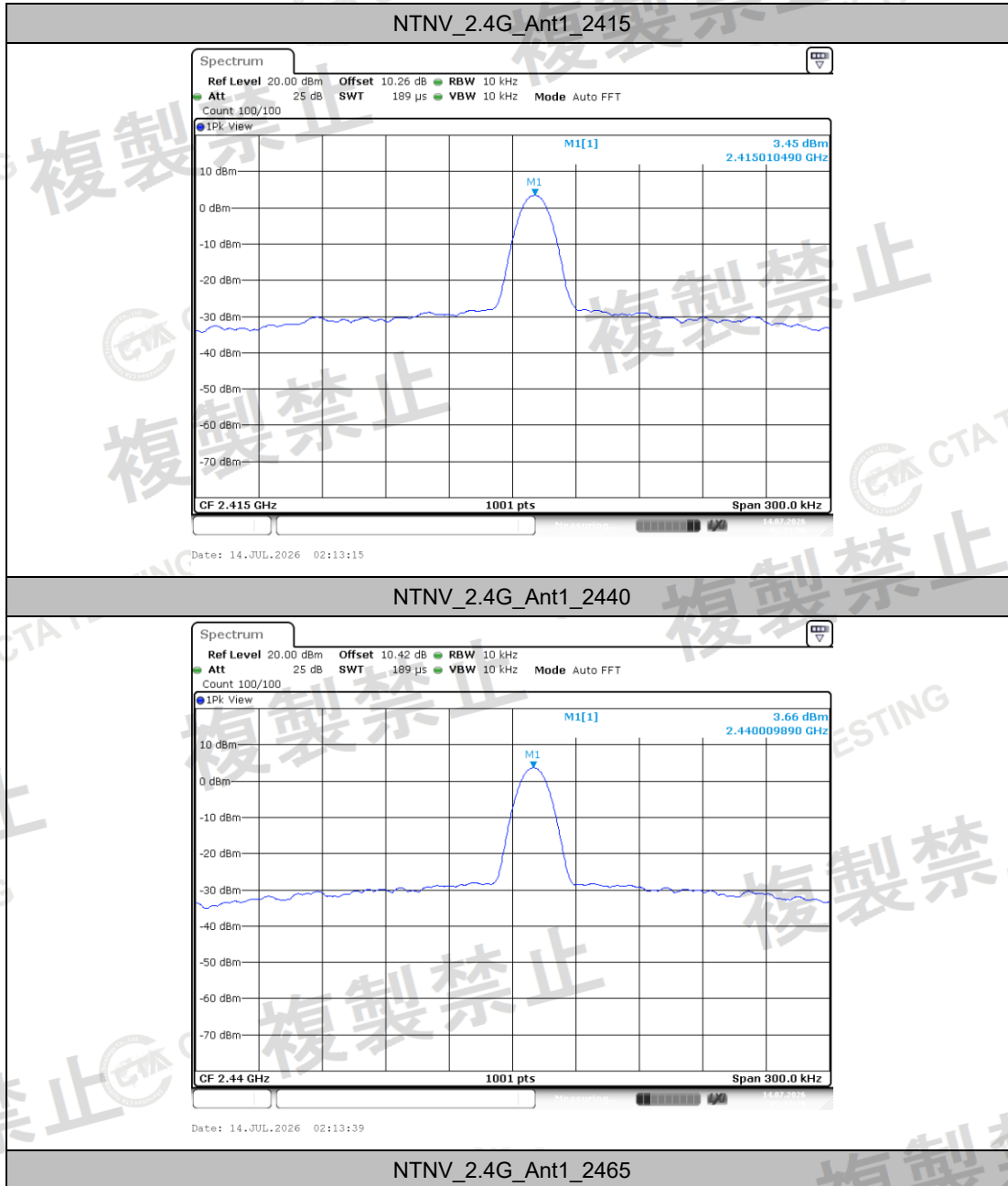


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Test Graphs

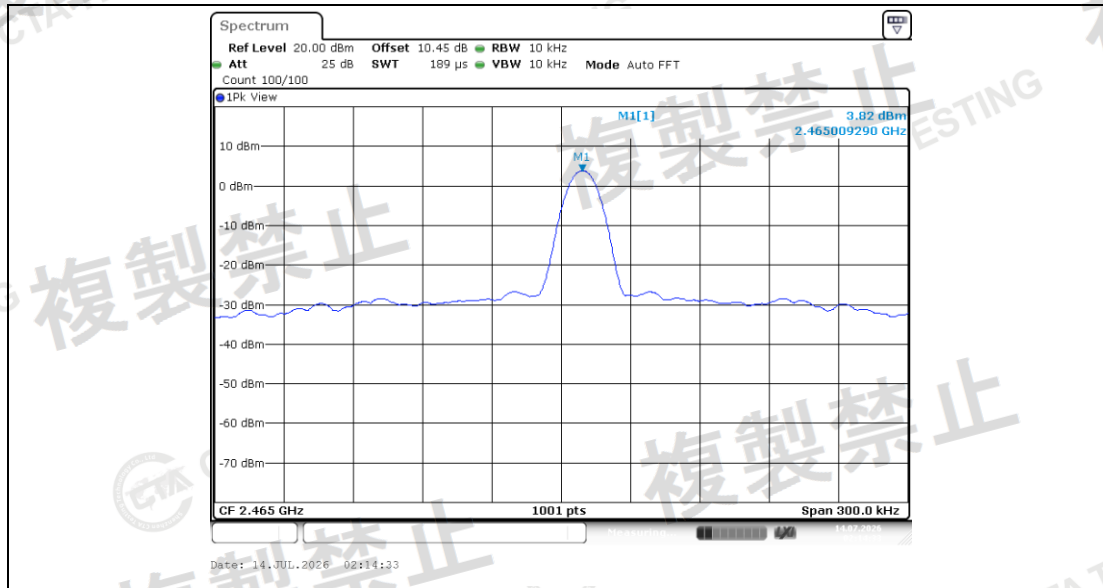
Note: We test Normal Voltage, High Voltage, Low Voltage, and recorded the worst test plot.





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Appendix B: Occupied Bandwidth

Test Result

TestCondition	TestMode	Antenna	Freq(MHz)	Result [MHz]	Limit [MHz]	Verdict
NTNV	2.4G	Ant1	2415	1.079	≤26	PASS
			2440	1.087	≤26	PASS
			2465	1.083	≤26	PASS

TestCondition	TestMode	Antenna	Freq(MHz)	Result [MHz]	Limit [MHz]	Verdict
NTLV	2.4G	Ant1	2415	1.074	≤26	PASS
			2440	1.085	≤26	PASS
			2465	1.080	≤26	PASS

TestCondition	TestMode	Antenna	Freq(MHz)	Result [MHz]	Limit [MHz]	Verdict
NTHV	2.4G	Ant1	2415	1.076	≤26	PASS
			2440	1.084	≤26	PASS
			2465	1.081	≤26	PASS

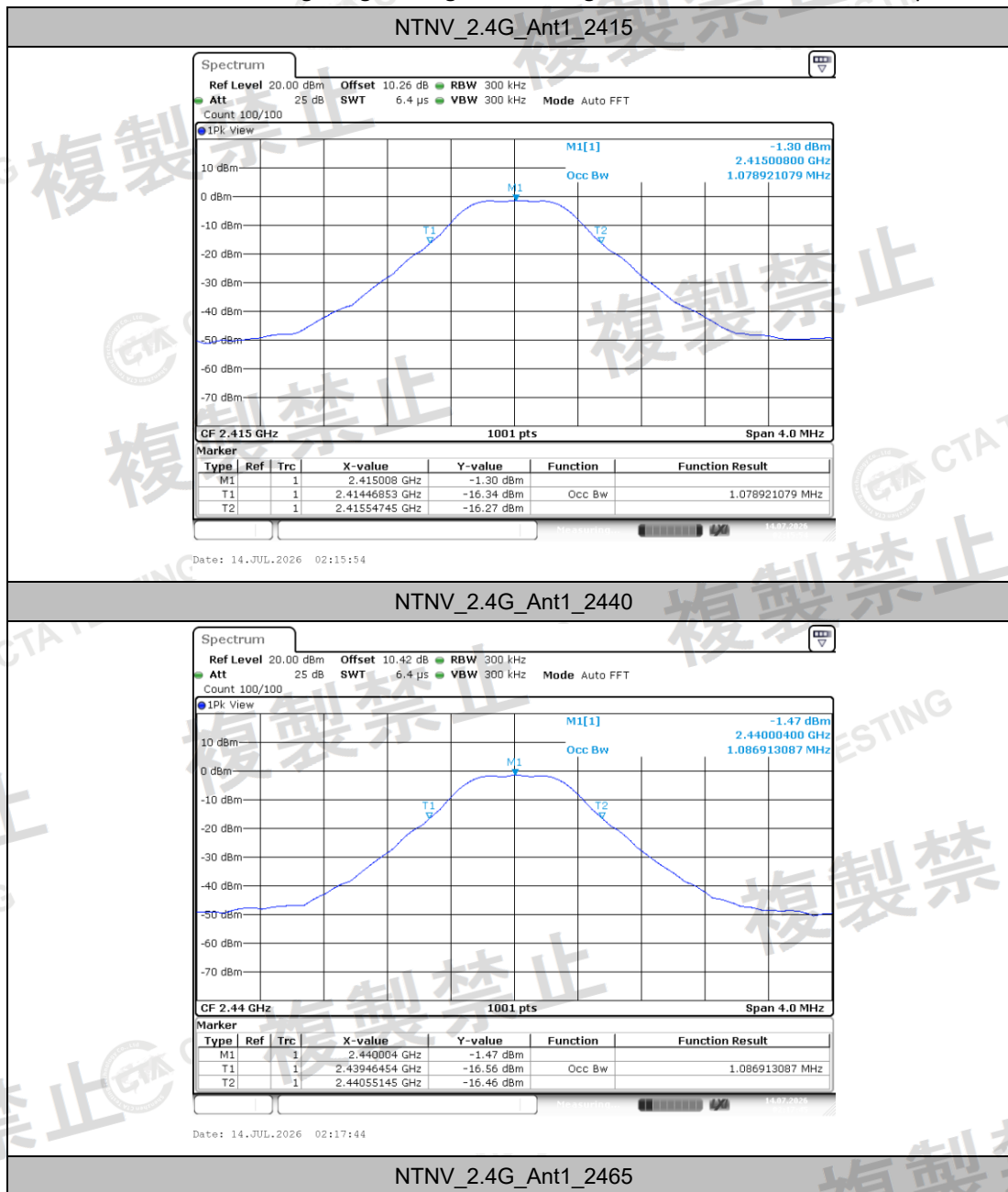


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Test Graphs

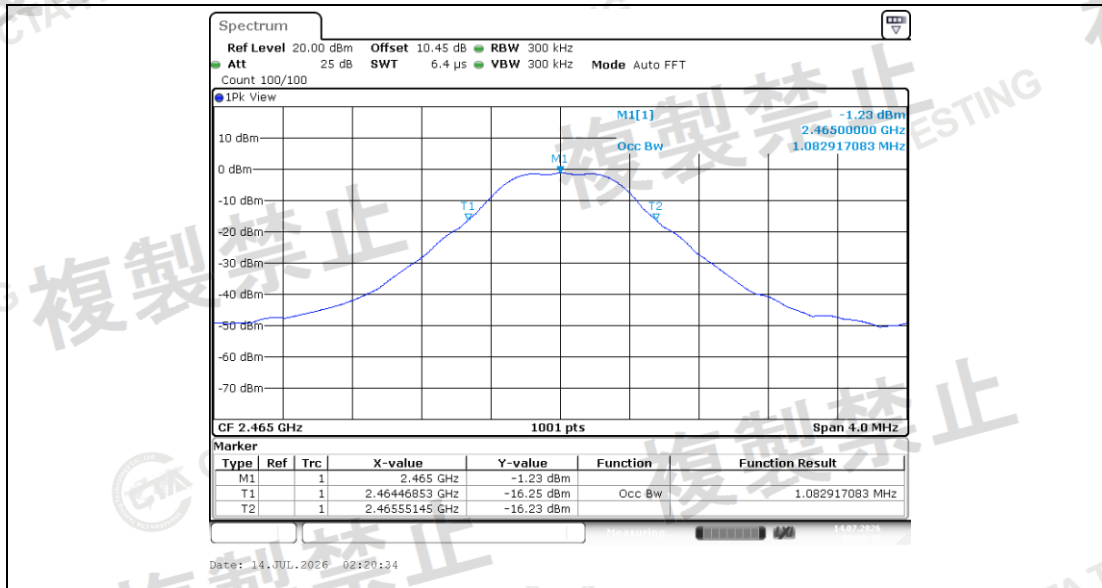
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Appendix C: Spread Bandwidth

Test Result

TestCondition	TestMode	Antenna	Freq(MHz)	Result [MHz]	Limit [MHz]	Verdict
NTNV	2.4G	Ant1	2415	0.683	≥0.5	PASS
			2440	0.683	≥0.5	PASS
			2465	0.687	≥0.5	PASS

TestCondition	TestMode	Antenna	Freq(MHz)	Result [MHz]	Limit [MHz]	Verdict
NTLV	2.4G	Ant1	2415	0.680	≥0.5	PASS
			2440	0.680	≥0.5	PASS
			2465	0.685	≥0.5	PASS

TestCondition	TestMode	Antenna	Freq(MHz)	Result [MHz]	Limit [MHz]	Verdict
NTHV	2.4G	Ant1	2415	0.681	≥0.5	PASS
			2440	0.680	≥0.5	PASS
			2465	0.684	≥0.5	PASS

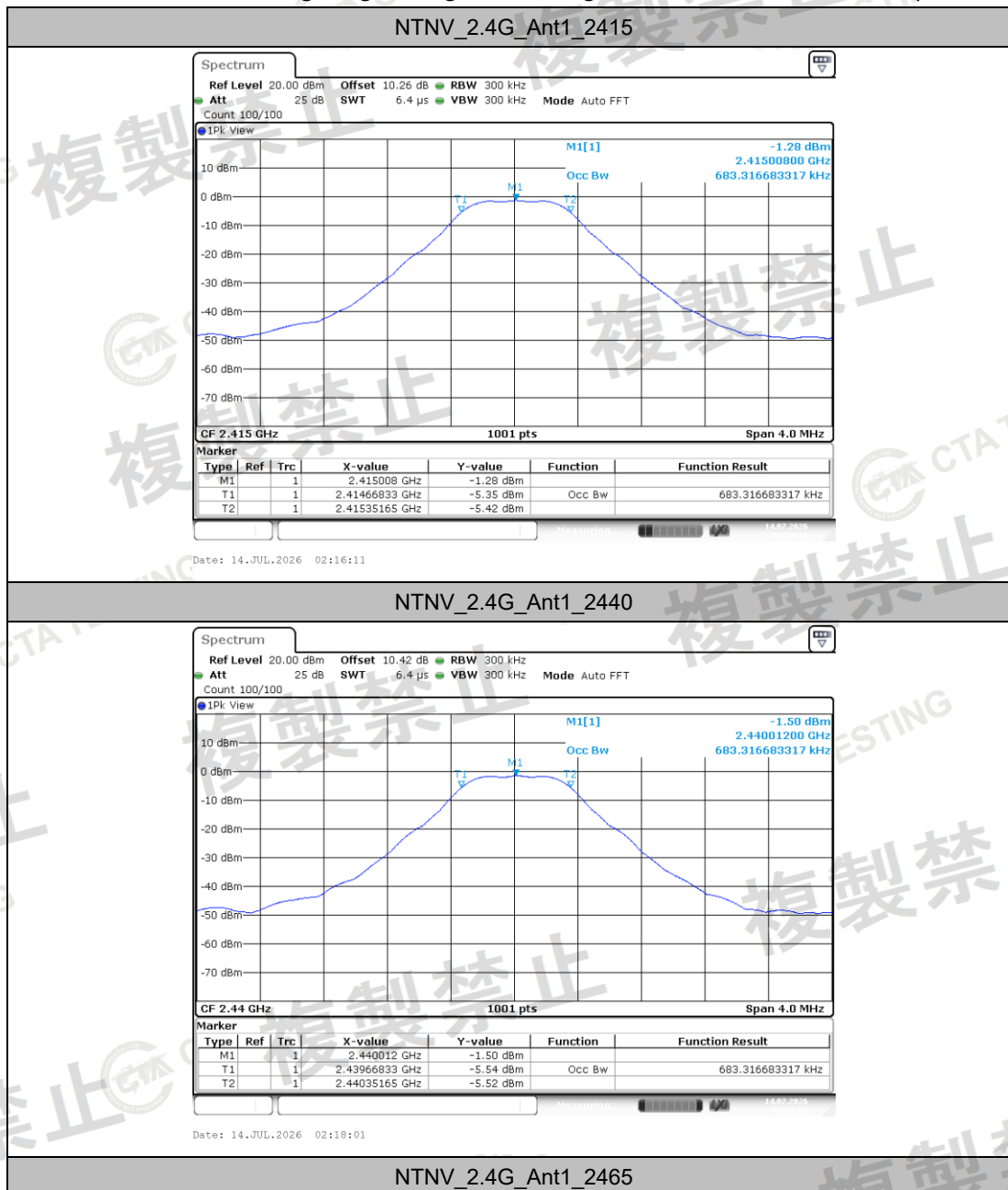


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Test Graphs

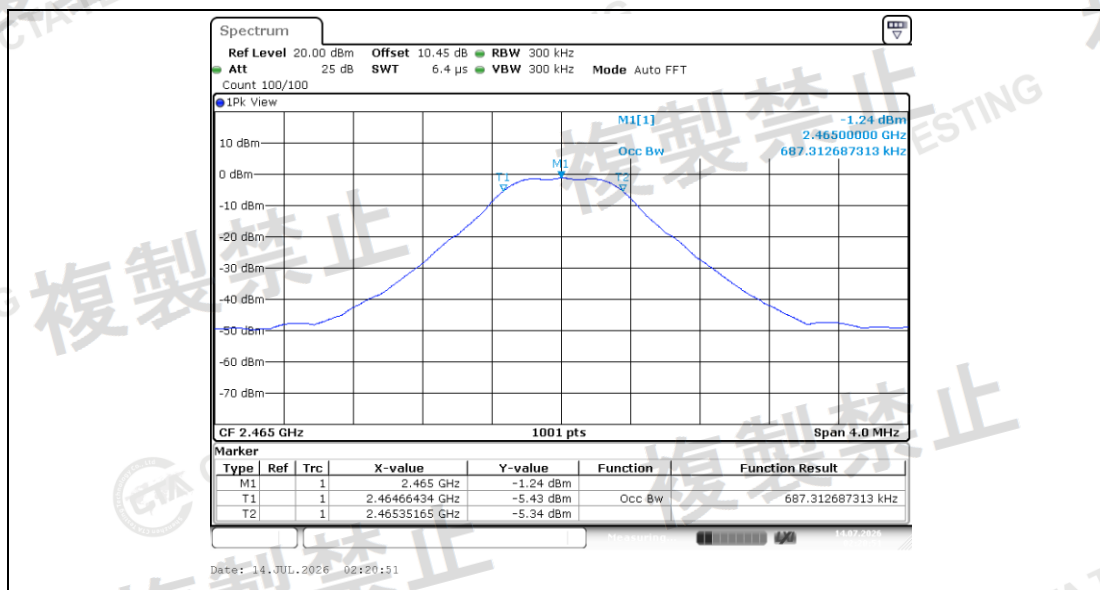
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Appendix D: Spurious Emission of TX

Test Result

TestCondition	TestMode	Antenna	Freq(M Hz)	Freq.Range [MHz]	Freq. [MHz]	Result [dBm]	Limit [dBm]	Result [μW]	Limit [μW]	Verdict
NTNV	2.4G	Ant1	2415	30~1000	944.47	-54.90	≤-26	0.00324	≤2.5	PASS
				1000~2387	2380.76	-52.97	≤-26	0.00505	≤2.5	PASS
				2387~2400	2394.27	-43.70	≤-16	0.04266	≤25	PASS
				2483.5~2496.5	2487.11	-42.79	≤-16	0.05260	≤25	PASS
				2496.5~13000	4830.38	-36.34	≤-26	0.23227	≤2.5	PASS
			2440	30~1000	860.81	-54.91	≤-26	0.00323	≤2.5	PASS
				1000~2387	1958.42	-53.91	≤-26	0.00406	≤2.5	PASS
				2387~2400	2389.94	-42.92	≤-16	0.05105	≤25	PASS
				2483.5~2496.5	2484.04	-42.96	≤-16	0.05058	≤25	PASS
				2496.5~13000	4880.27	-36.26	≤-26	0.23659	≤2.5	PASS
			2465	30~1000	877.30	-54.62	≤-26	0.00345	≤2.5	PASS
				1000~2387	1723.32	-54.08	≤-26	0.00391	≤2.5	PASS
				2387~2400	2397.17	-43.66	≤-16	0.04305	≤25	PASS
				2483.5~2496.5	2492.45	-43.75	≤-16	0.04217	≤25	PASS
				2496.5~13000	4930.16	-35.37	≤-26	0.29040	≤2.5	PASS

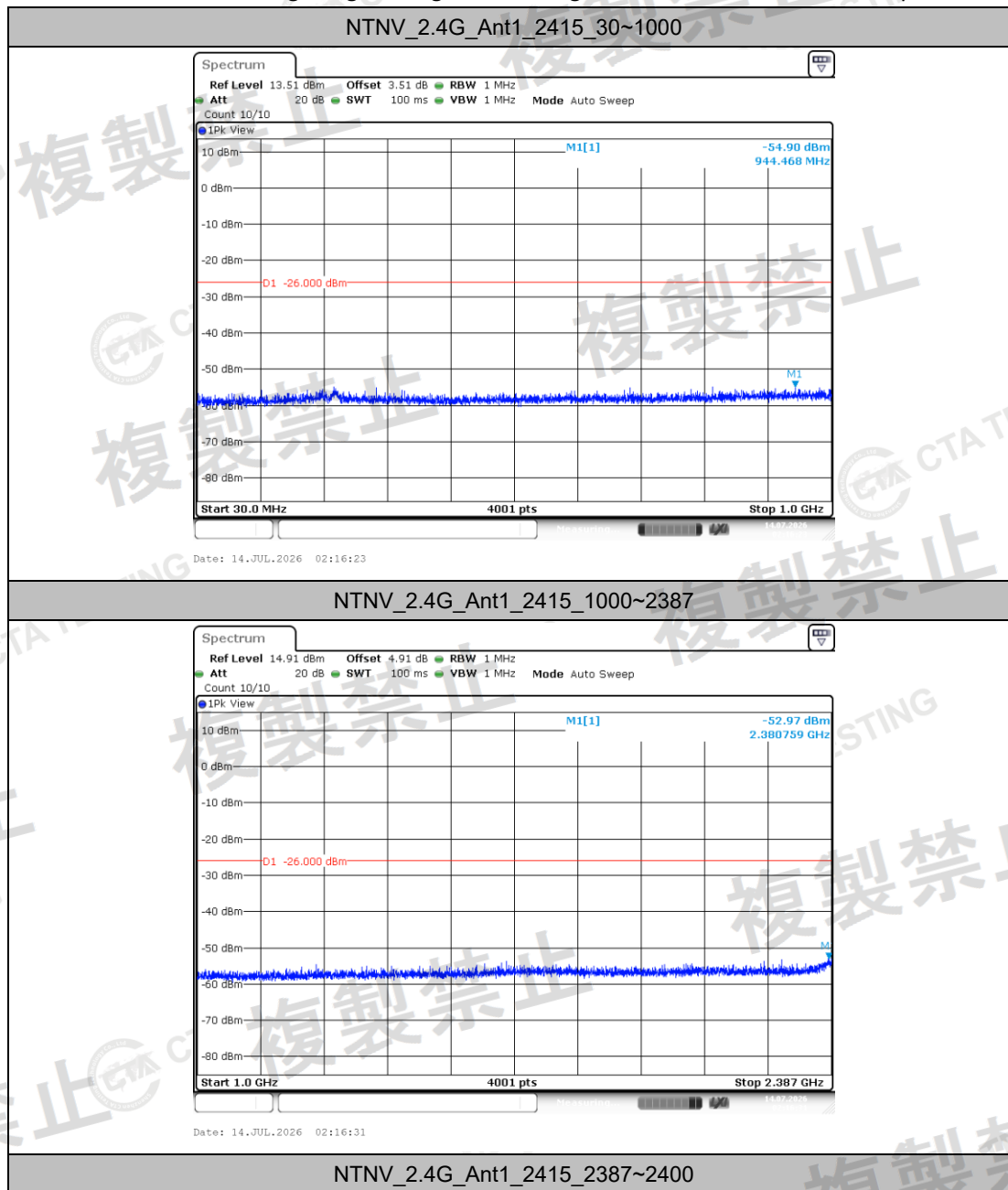


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Test Graphs

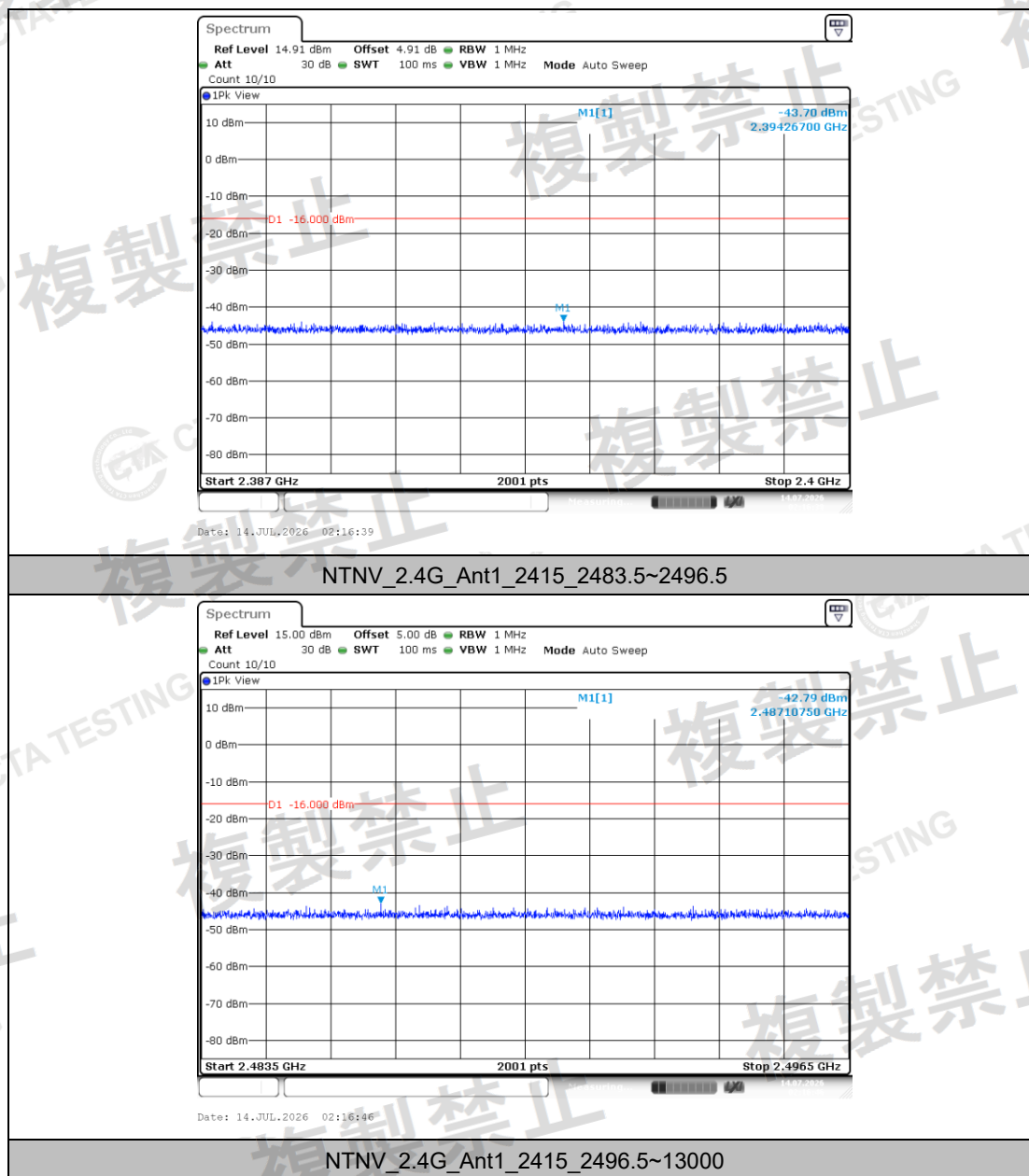
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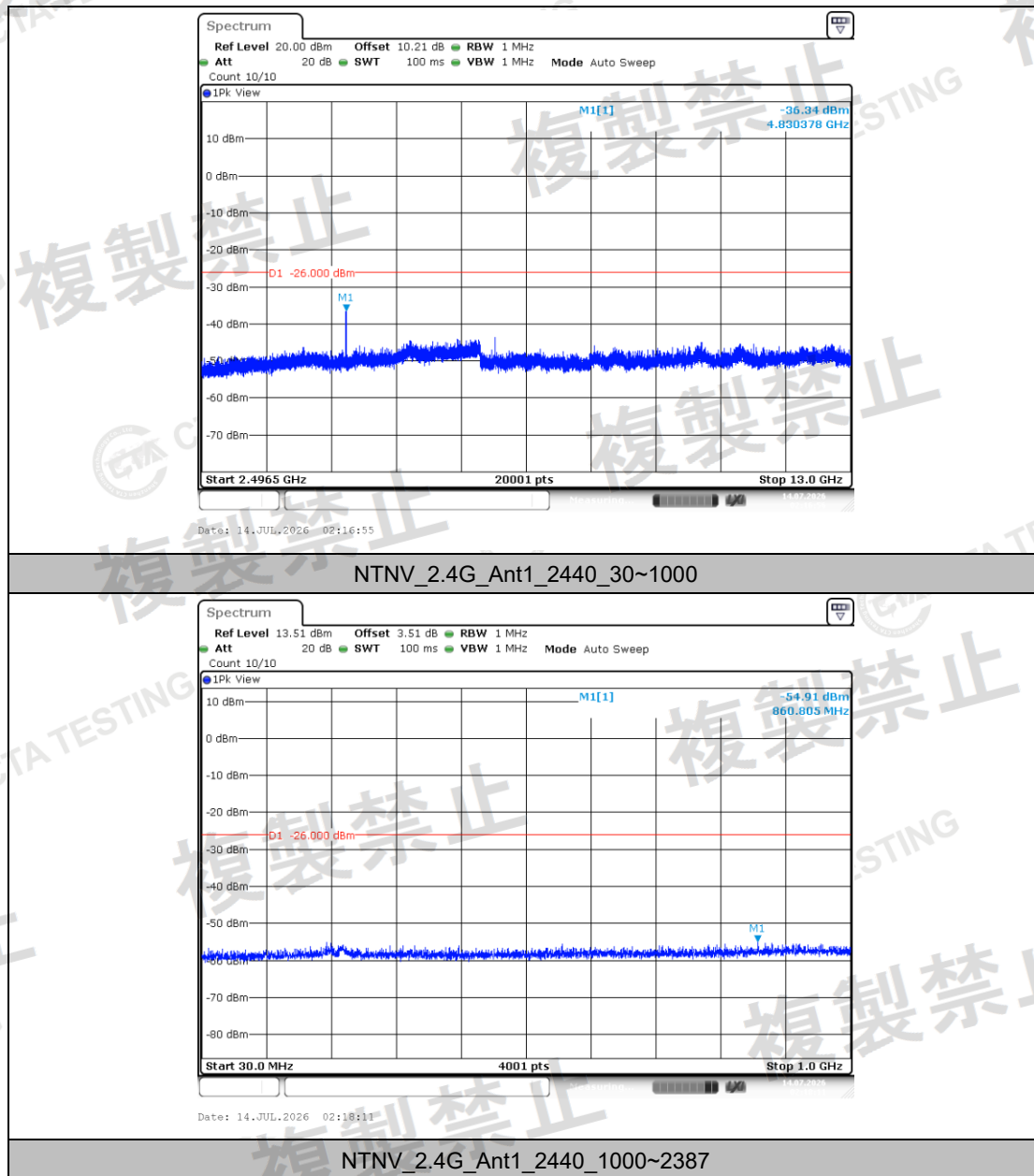
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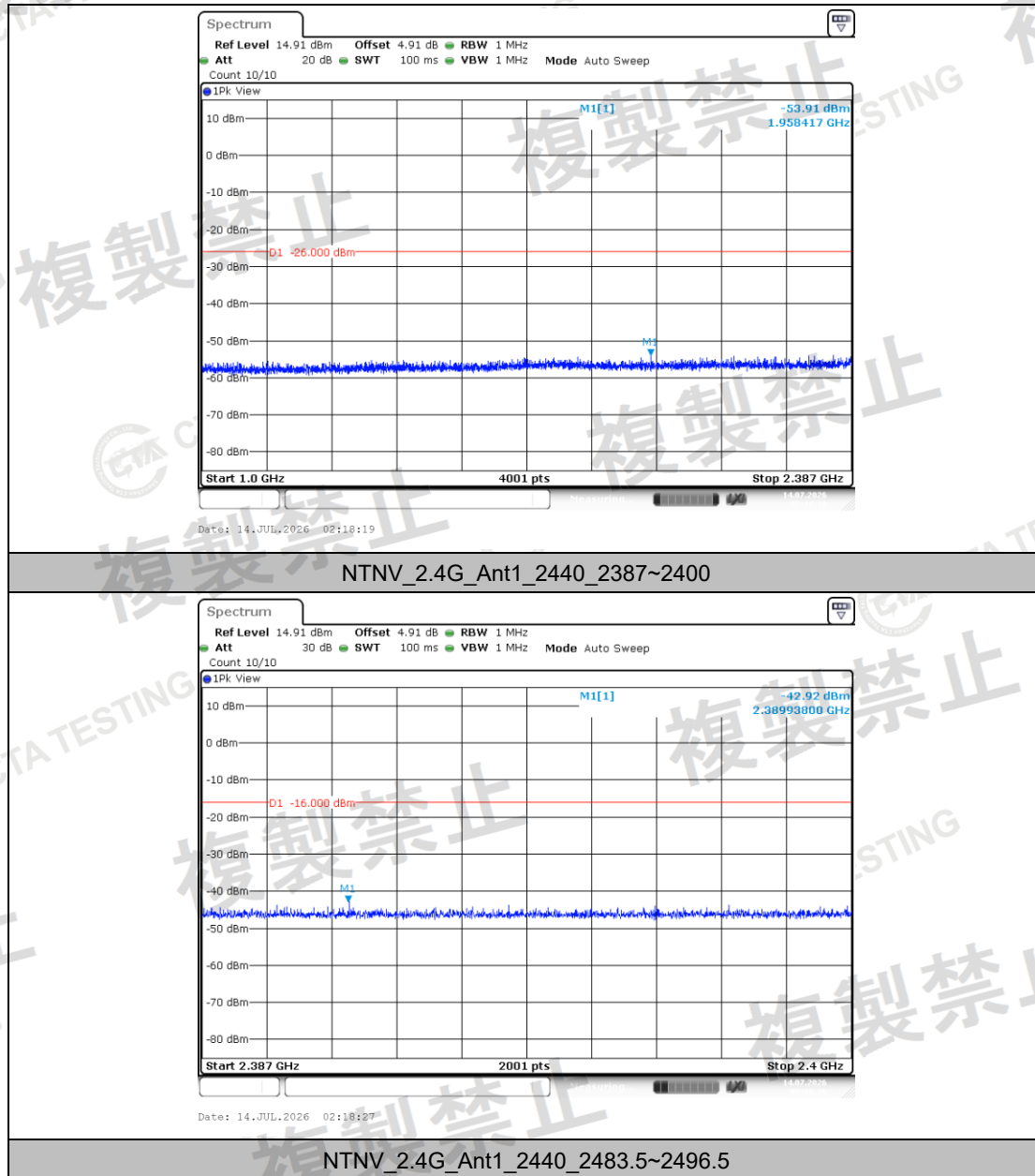
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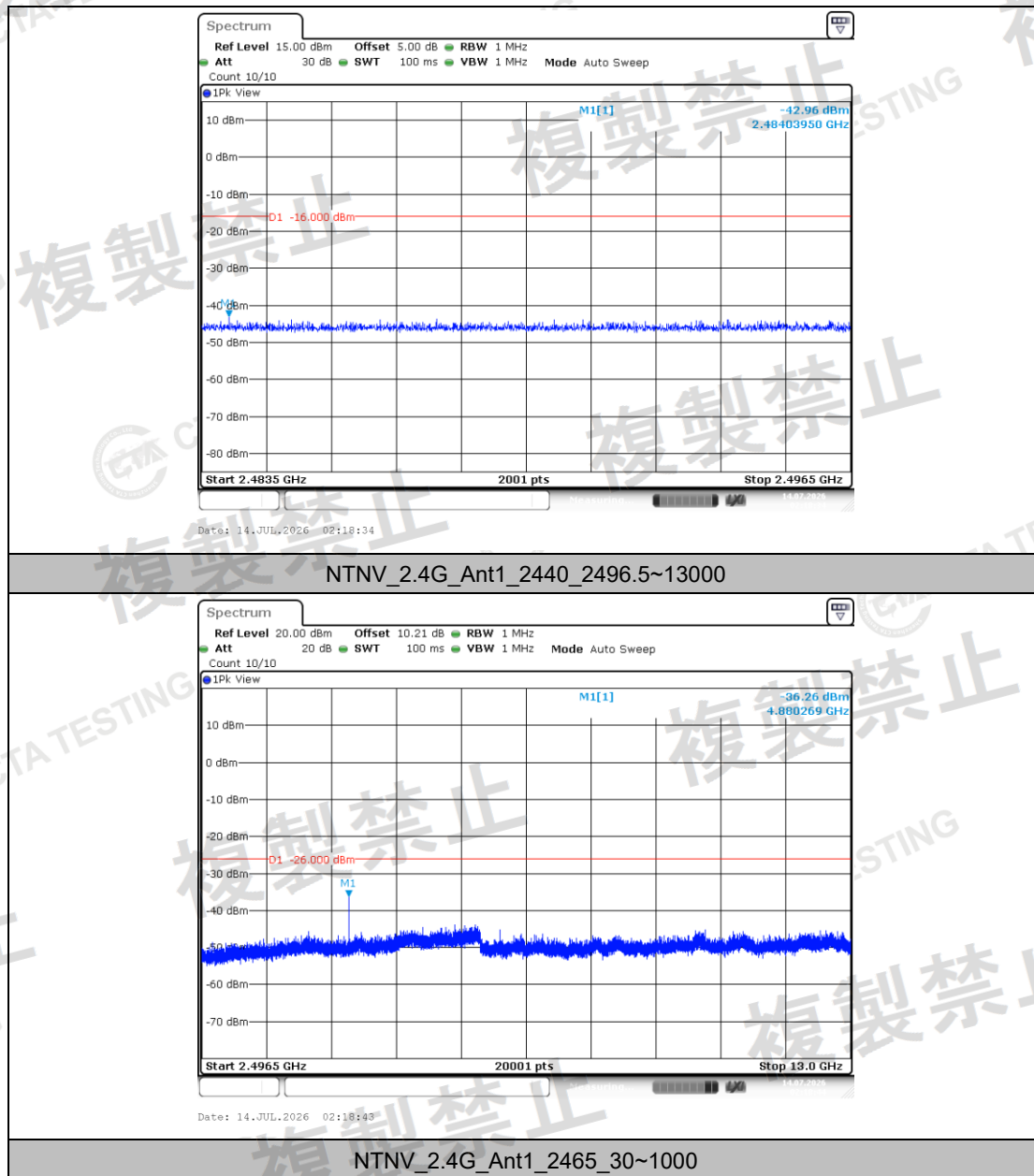
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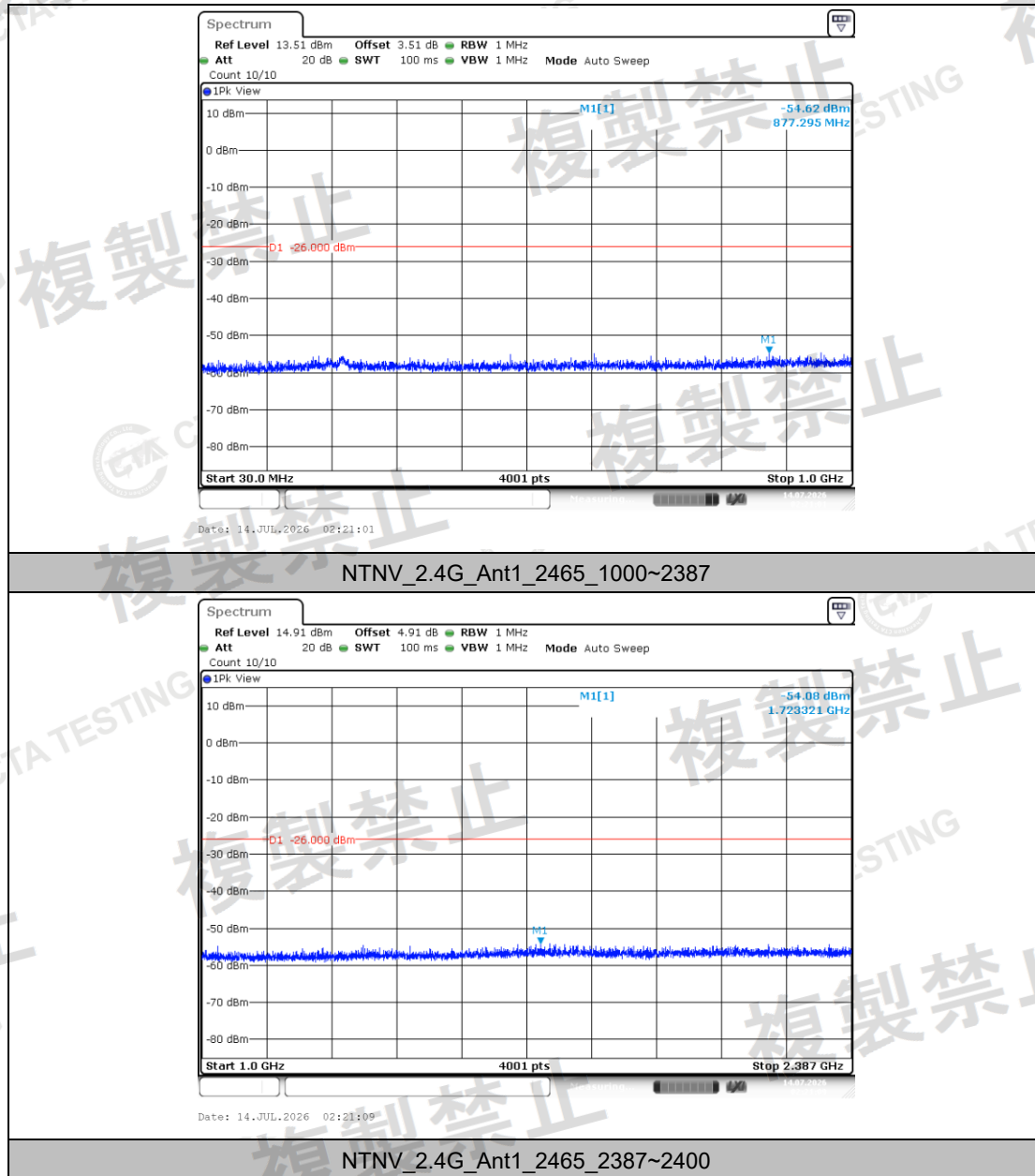
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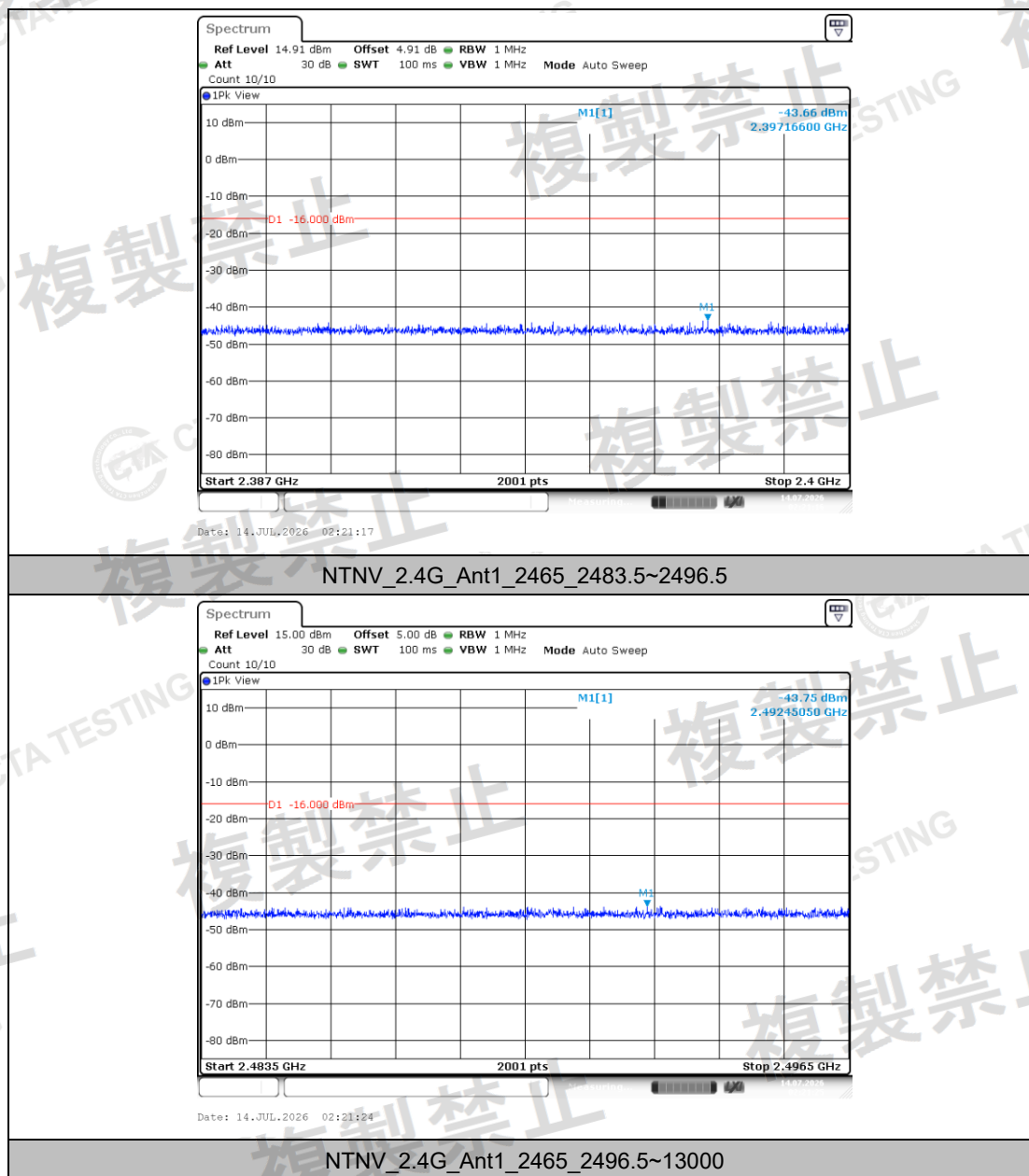
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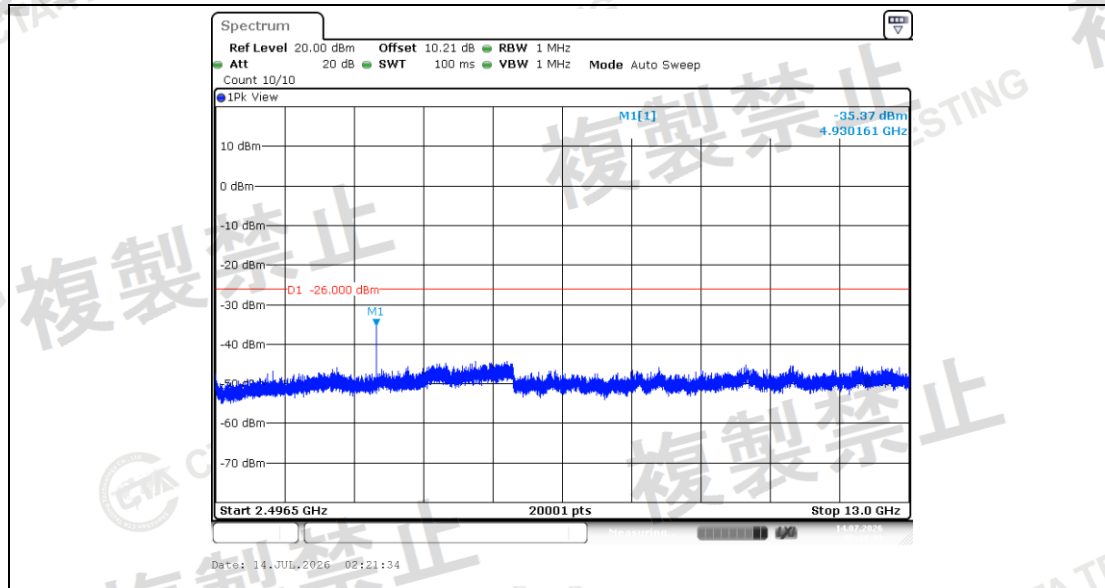
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Appendix E: Spurious Emission of RX

Test Result

TestCondition	TestMode	Antenna	Freq(M Hz)	Freq.Range [MHz]	Freq. [MHz]	Result [dBm]	Limit [dBm]	Result [nW]	Limit [nW]	Verdict
NTNV	2.4G	Ant1	2415	30~1000	949.83	-83.95	≤-54	0.0040 3	≤4	PASS
				1000~12500	6725.2 8	-69.30	≤-47	0.11749	≤20	PASS
			2440	30~1000	738.47	-83.50	≤-54	0.0044 7	≤4	PASS
				1000~12500	6644.2 1	-69.06	≤-47	0.1241 7	≤20	PASS
			2465	30~1000	938.68	-83.18	≤-54	0.0048 1	≤4	PASS
				1000~12500	6737.9 3	-69.67	≤-47	0.1078 9	≤20	PASS

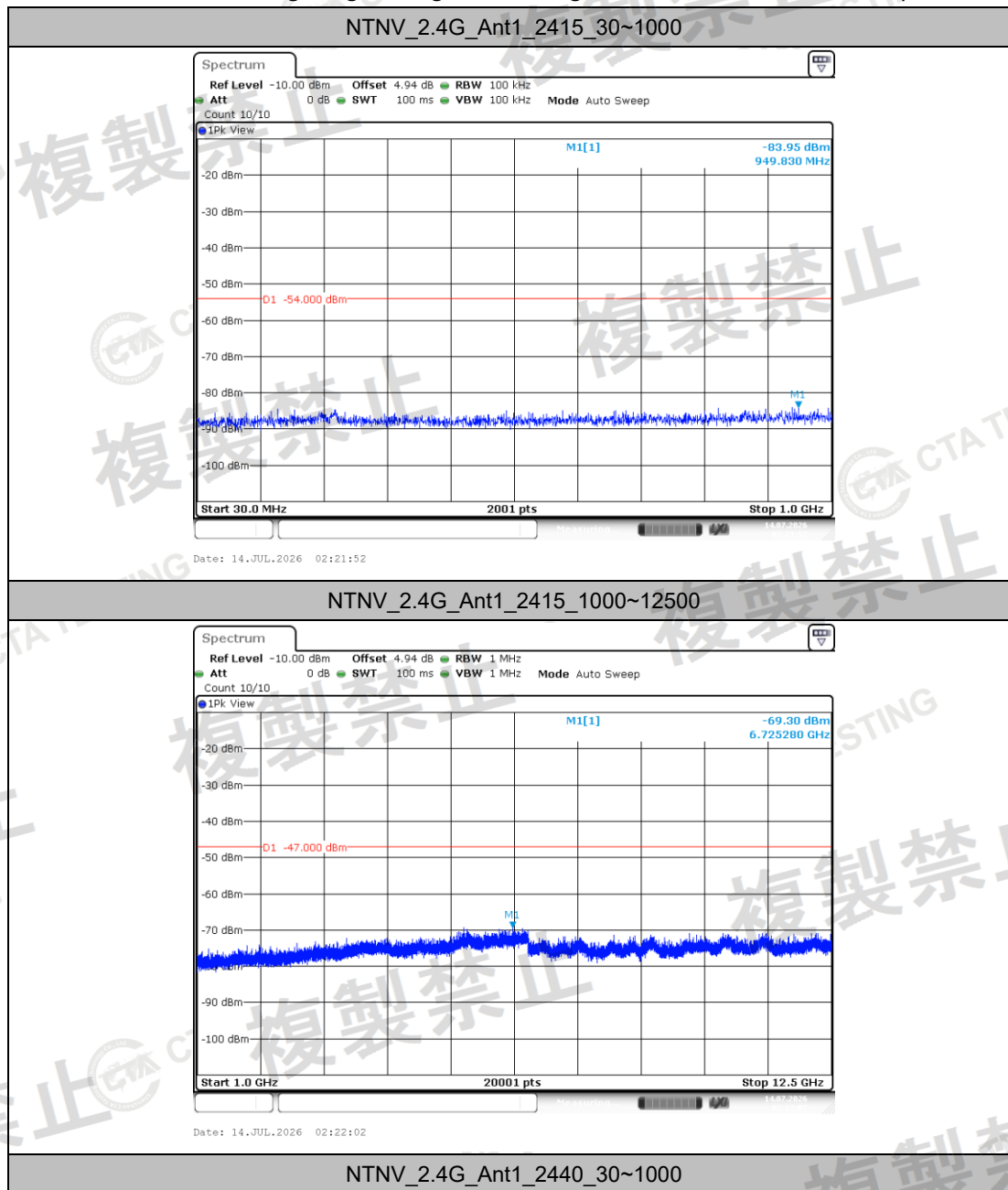


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Test Graphs

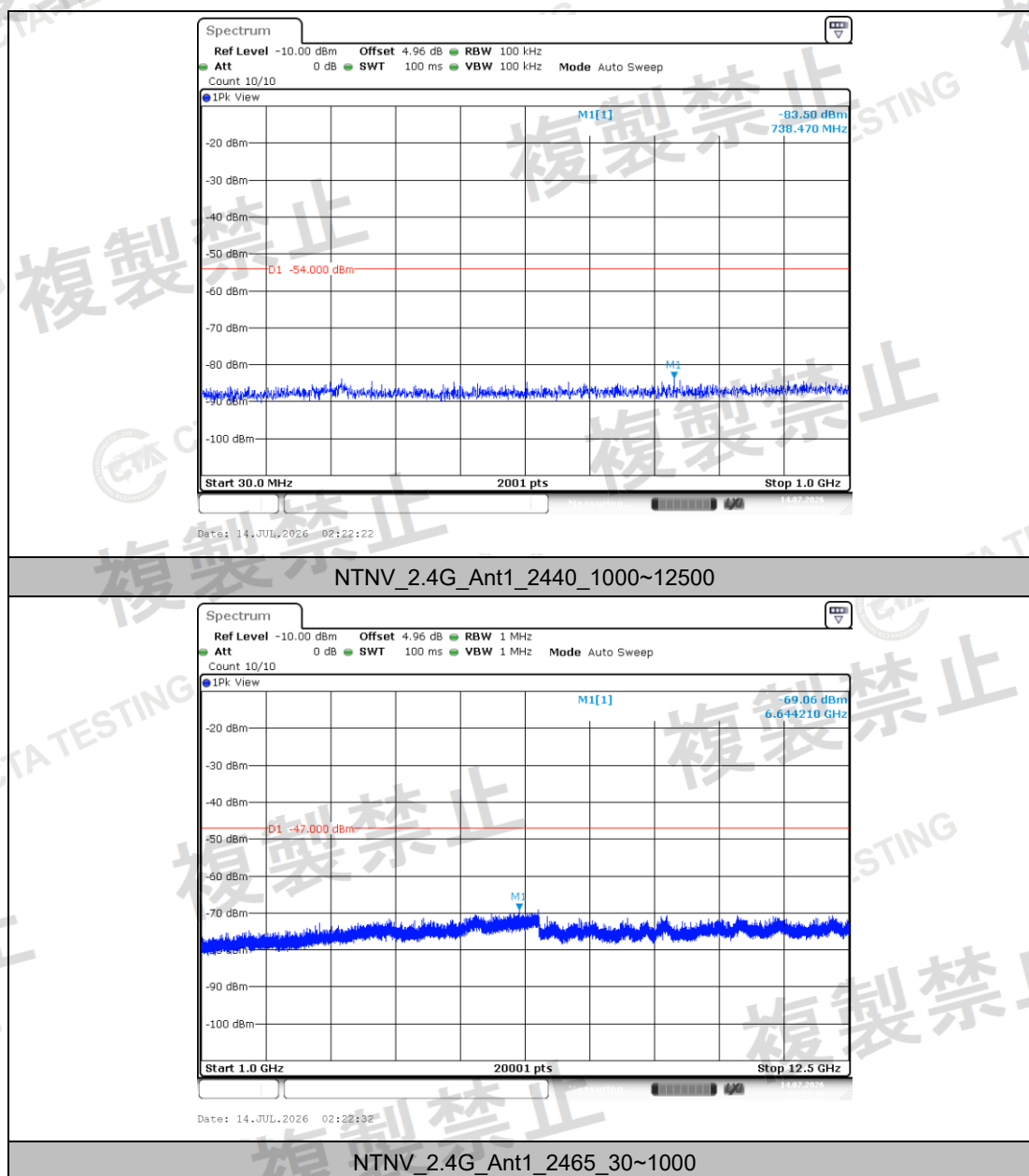
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