



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 BR-EDR

Company : **Shenzhen Xingyu Jia Technology Co., Ltd.**

EUT : **electronic badge**

Model Number : **BW01**

Report No. : **CTA26052901002**

Reviewed By : **Eric Wang**



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Appendix A: Frequency_Error

Test Result

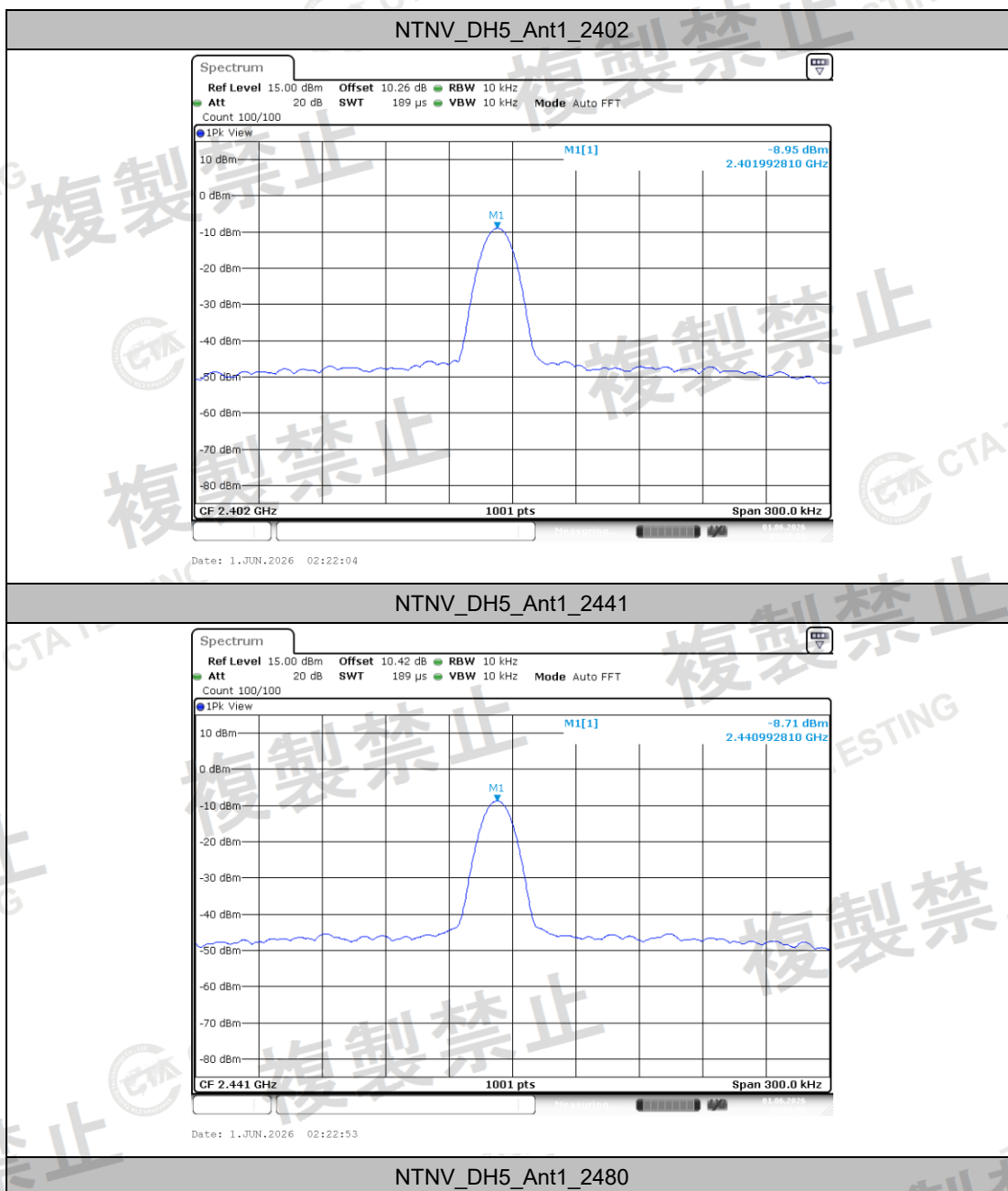
Test Condition	Test Mode	Antenna	Freq(MHz)	Result[ppm]	Limit[ppm]	Verdict
NTNV	DH5	Ant1	2402	-2.99334	±50	PASS
			2441	-2.94551	±50	PASS
			2480	-3.02016	±50	PASS
	2DH5	Ant1	2402	-2.99334	±50	PASS
			2441	-3.06842	±50	PASS
			2480	-3.02016	±50	PASS



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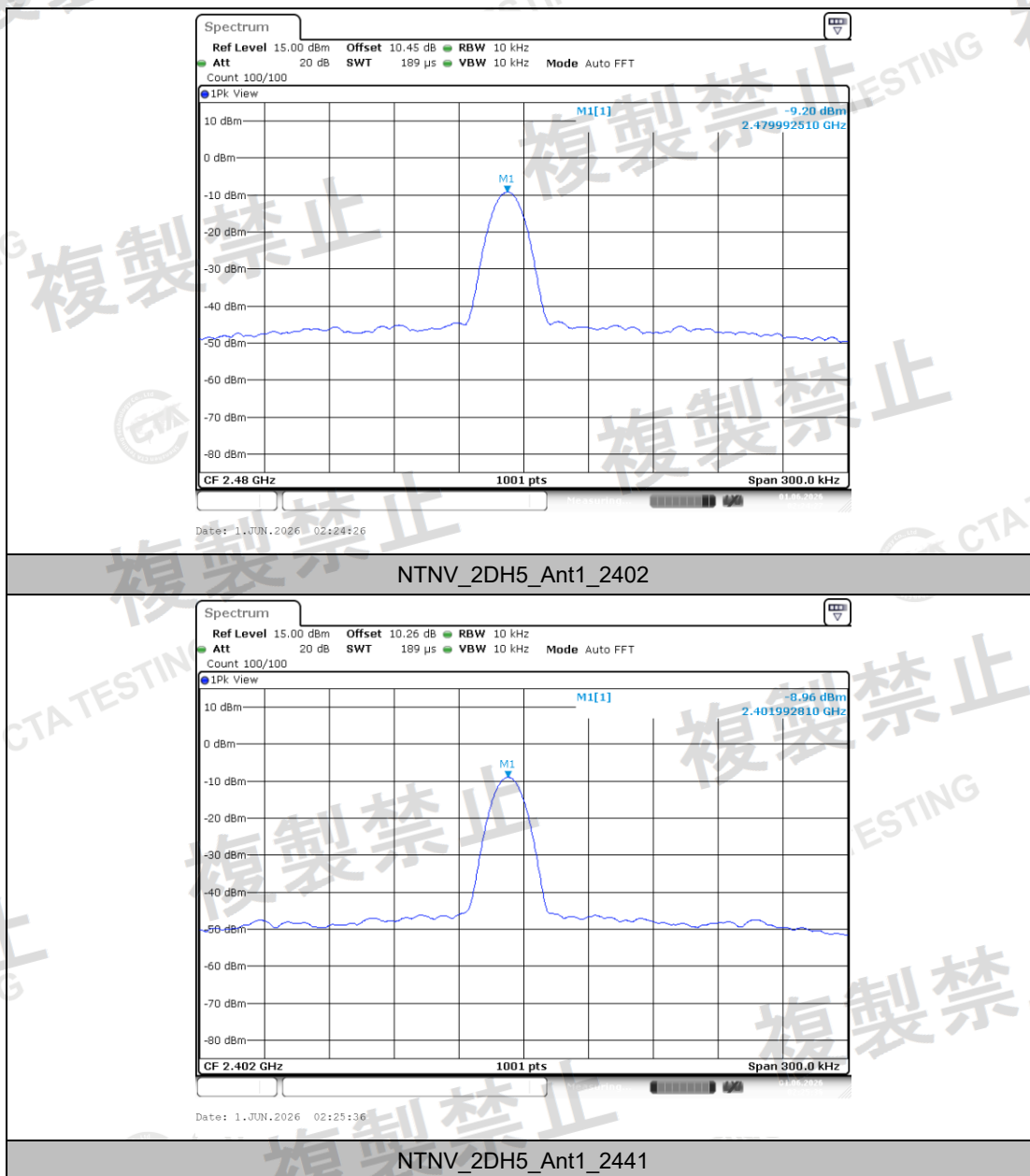
Test Graphs





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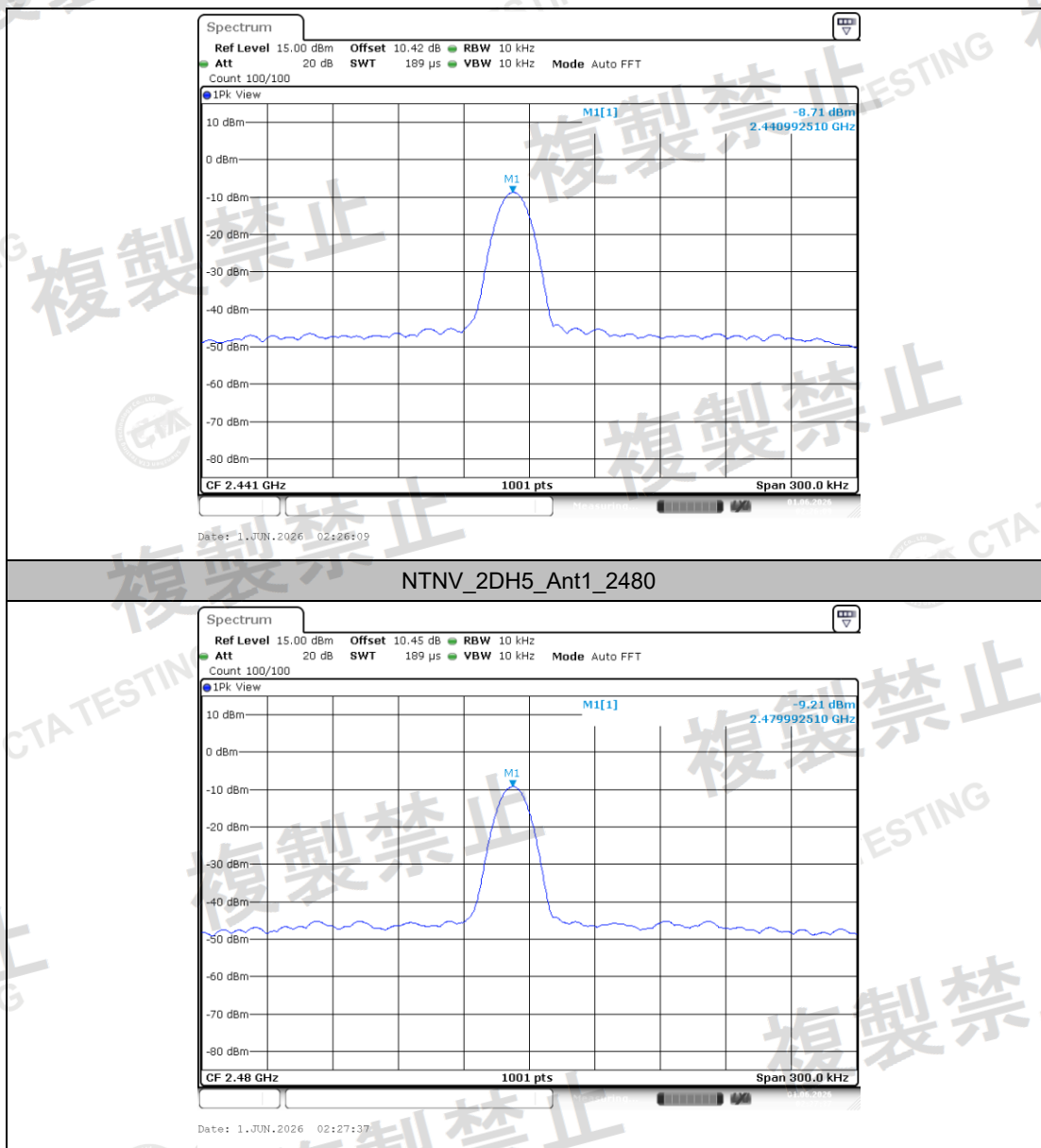
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Appendix B: Occupied Bandwidth

Test Result

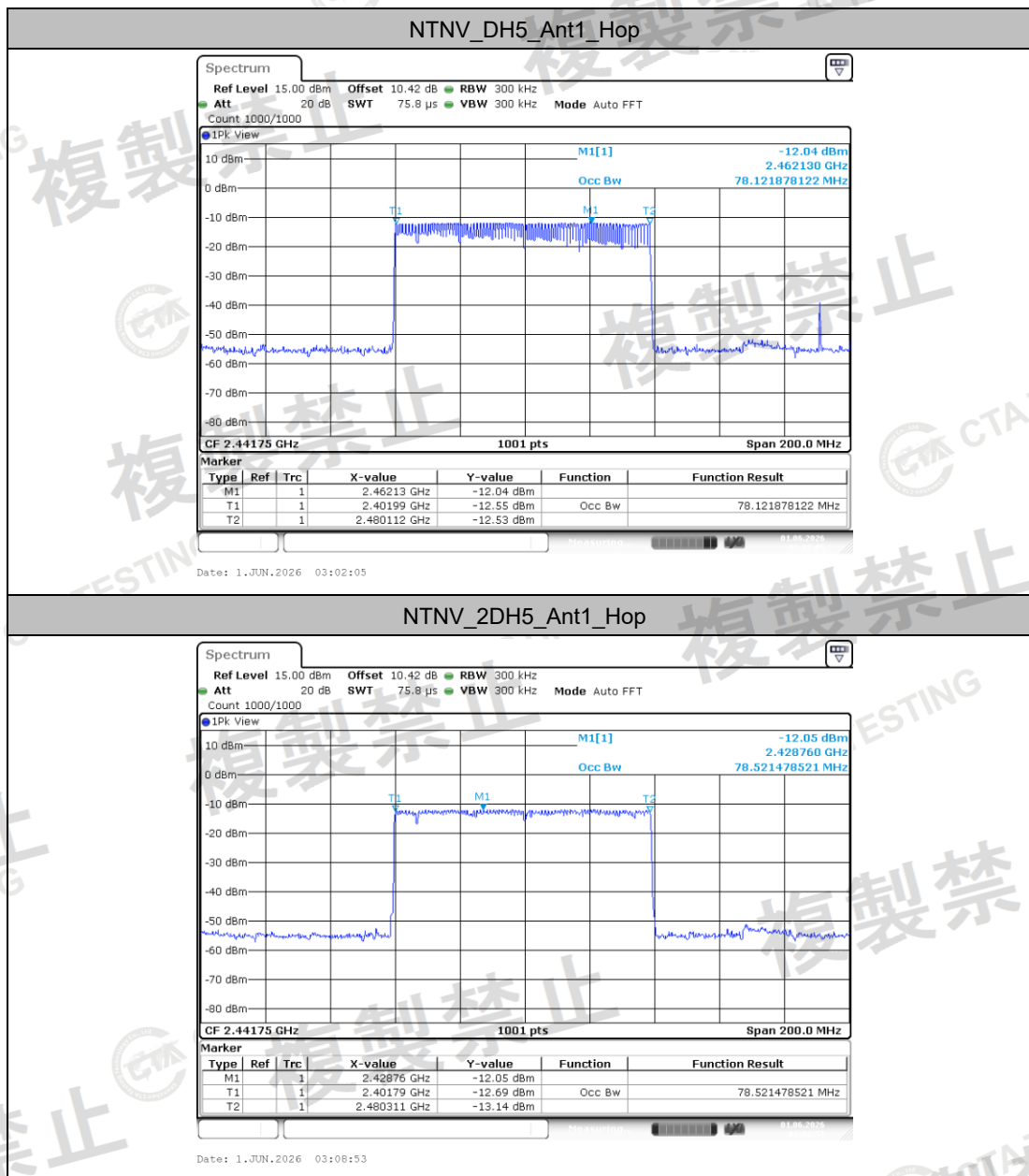
Test Condition	Test Mode	Antenna	Freq(MHz)	Result [MHz]	Limit [MHz]	Verdict
NTNV	DH5	Ant1	Hop	78.122	≤83.5	PASS
	2DH5	Ant1	Hop	78.521	≤83.5	PASS



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Test Graphs





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Appendix C: Spread Bandwidth

Test Result

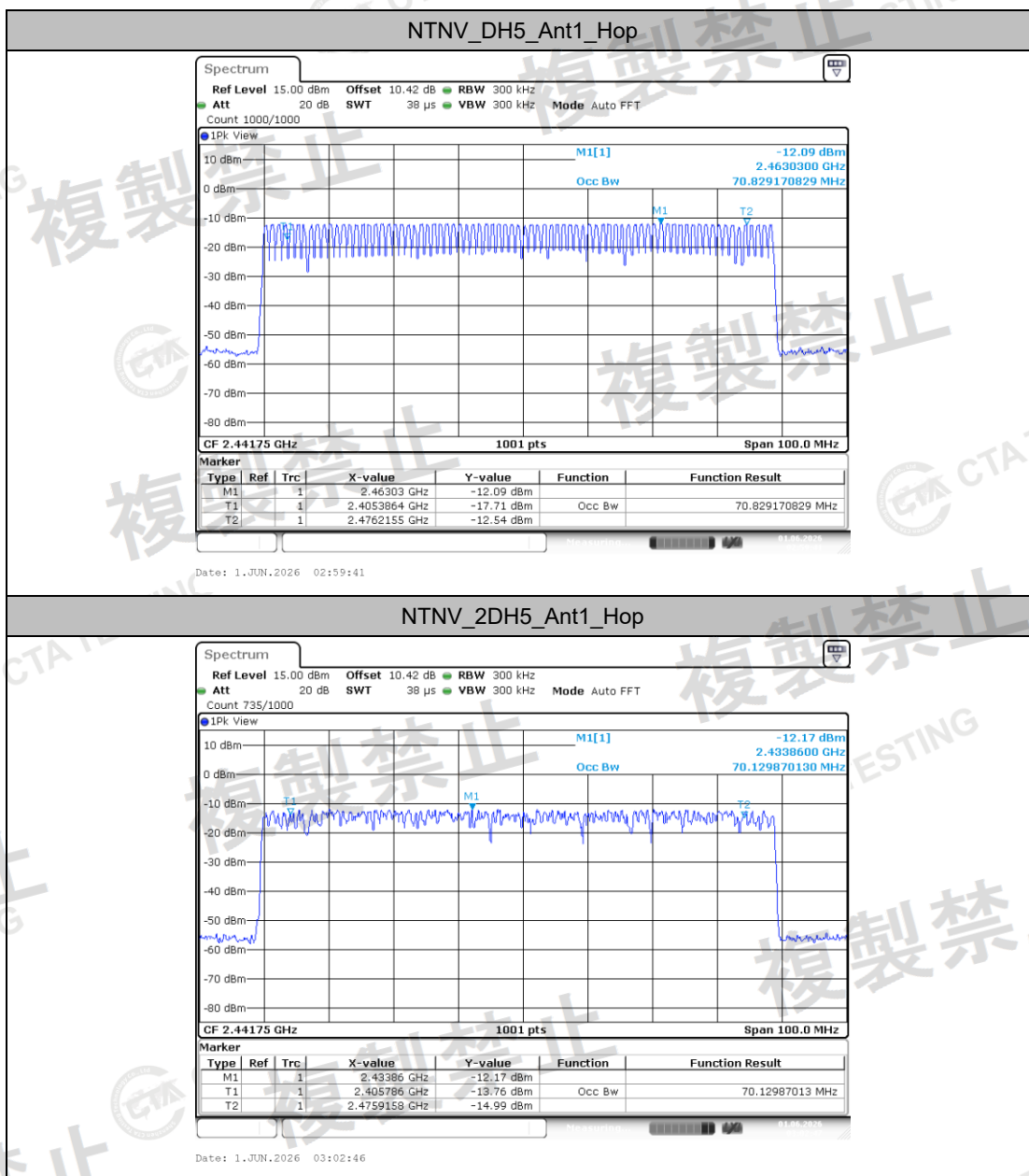
Test Condition	Test Mode	Antenna	Freq(MHz)	Result [MHz]	Limit [MHz]	Spread Factor	Limit	Verdict
NTNV	DH5	Ant1	Hop	70.829	≥ 0.5	70.829	>5	PASS
	2DH5	Ant1	Hop	70.130	≥ 0.5	70.130	>5	PASS



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Test Graphs





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Appendix D: Spurious Emission of TX

Test Result

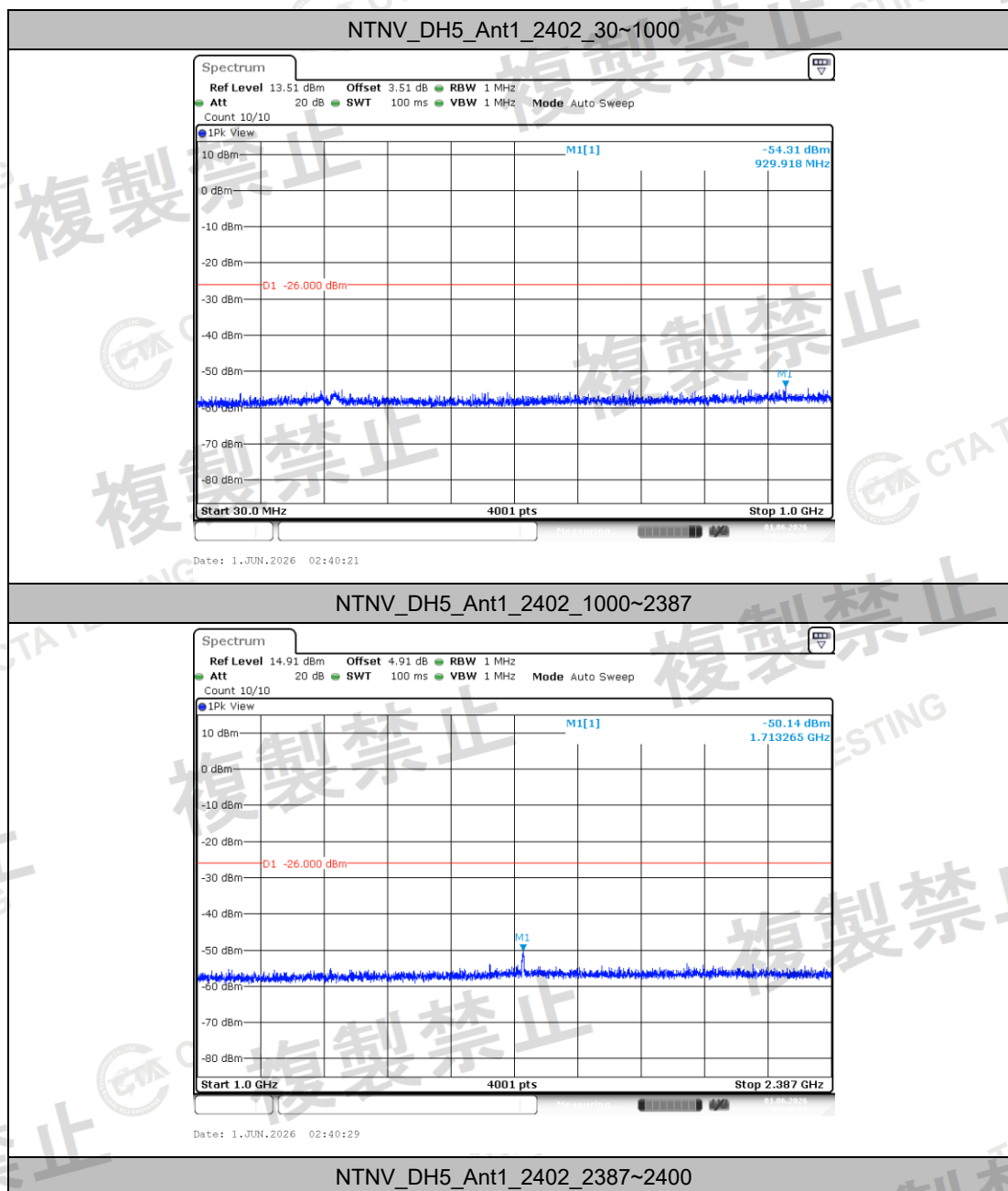
Test Condition	Test Mode	Antenna	Freq(M Hz)	Freq.Range [MHz]	Freq. [MHz]	Result [dBm]	Limit [dBm]	Result [μW]	Limit [μW]	Verdict
NTNV	DH5	Ant1	2402	30~1000	929.92	-54.31	≤-26	0.00371	≤2.5	PASS
				1000~2387	1713.26	-50.14	≤-26	0.00968	≤2.5	PASS
				2387~2400	2399.90	-39.35	≤-16	0.11614	≤25	PASS
				2483.5~2496.5	2483.71	-43.06	≤-16	0.04943	≤25	PASS
				2496.5~13000	6739.39	-43.43	≤-26	0.04539	≤2.5	PASS
			2441	30~1000	239.28	-54.82	≤-26	0.00330	≤2.5	PASS
				1000~2387	1744.82	-44.41	≤-26	0.03622	≤2.5	PASS
				2387~2400	2391.02	-43.85	≤-16	0.04121	≤25	PASS
				2483.5~2496.5	2488.84	-43.24	≤-16	0.04742	≤25	PASS
				2496.5~13000	6900.62	-44.48	≤-26	0.03565	≤2.5	PASS
		2480		30~1000	906.64	-54.47	≤-26	0.00357	≤2.5	PASS
				1000~2387	1717.77	-51.08	≤-26	0.00780	≤2.5	PASS
				2387~2400	2397.54	-43.90	≤-16	0.04074	≤25	PASS
				2483.5~2496.5	2485.11	-43.85	≤-16	0.04121	≤25	PASS
				2496.5~13000	12297.32	-43.75	≤-26	0.04217	≤2.5	PASS
	2DH5	Ant1	2402	30~1000	241.70	-54.94	≤-26	0.00321	≤2.5	PASS
				1000~2387	1775.68	-49.26	≤-26	0.01186	≤2.5	PASS
				2387~2400	2399.99	-38.09	≤-16	0.15524	≤25	PASS
				2483.5~2496.5	2489.97	-43.55	≤-16	0.04416	≤25	PASS
				2496.5~13000	9607.89	-43.58	≤-26	0.04385	≤2.5	PASS
			2441	30~1000	985.94	-54.79	≤-26	0.00332	≤2.5	PASS
				1000~2387	1770.83	-48.34	≤-26	0.01466	≤2.5	PASS
				2387~2400	2387.75	-43.75	≤-16	0.04217	≤25	PASS
				2483.5~2496.5	2487.98	-43.05	≤-16	0.04955	≤25	PASS
				2496.5~13000	6533.00	-43.93	≤-26	0.04046	≤2.5	PASS
			2480	30~1000	242.19	-55.02	≤-26	0.00315	≤2.5	PASS
				1000~2387	1710.84	-45.53	≤-26	0.02799	≤2.5	PASS
				2387~2400	2389.74	-43.27	≤-16	0.04710	≤25	PASS
				2483.5~2496.5	2488.94	-43.33	≤-16	0.04645	≤25	PASS
				2496.5~13000	6889.06	-43.98	≤-26	0.03999	≤2.5	PASS



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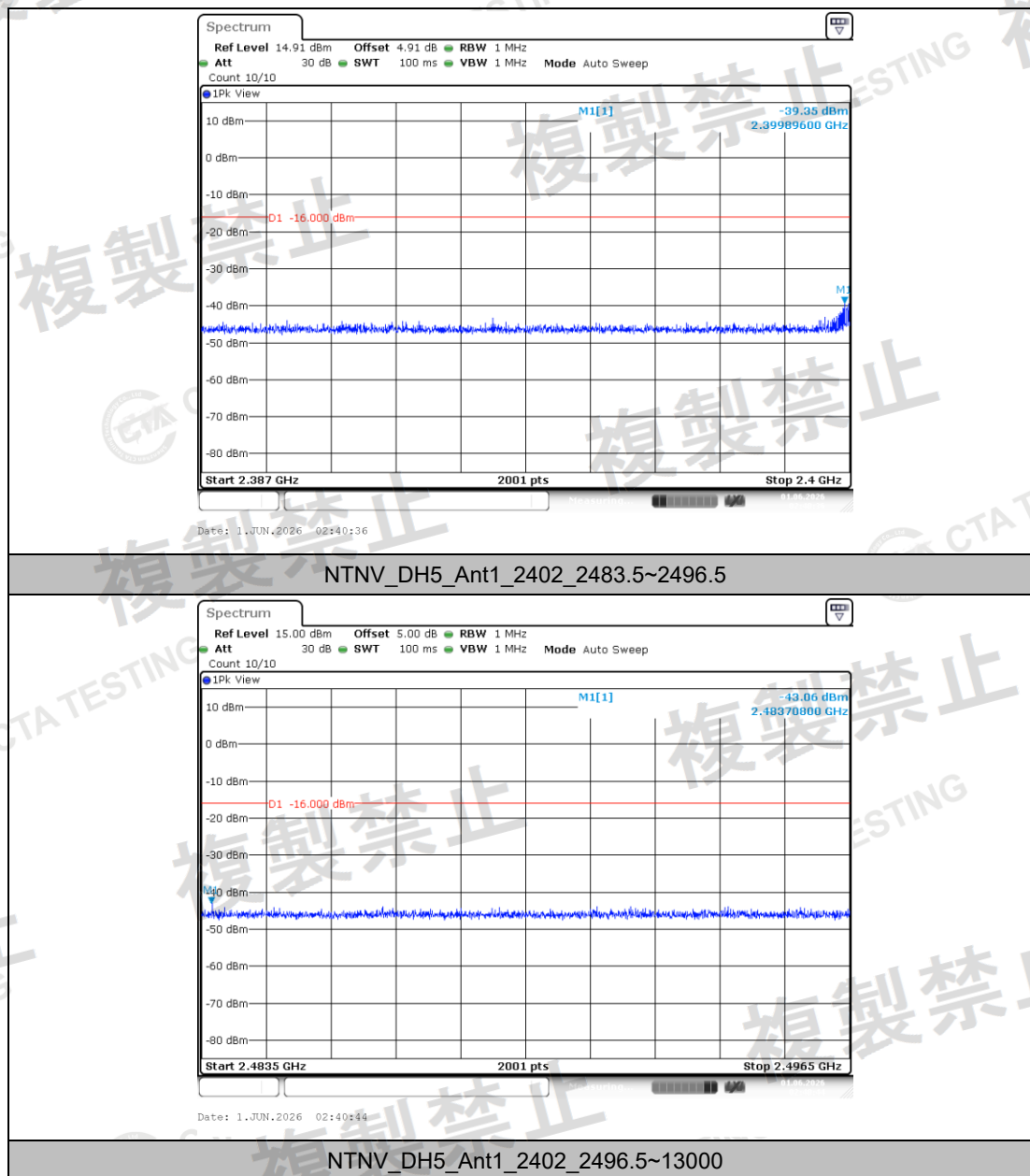
Test Graphs





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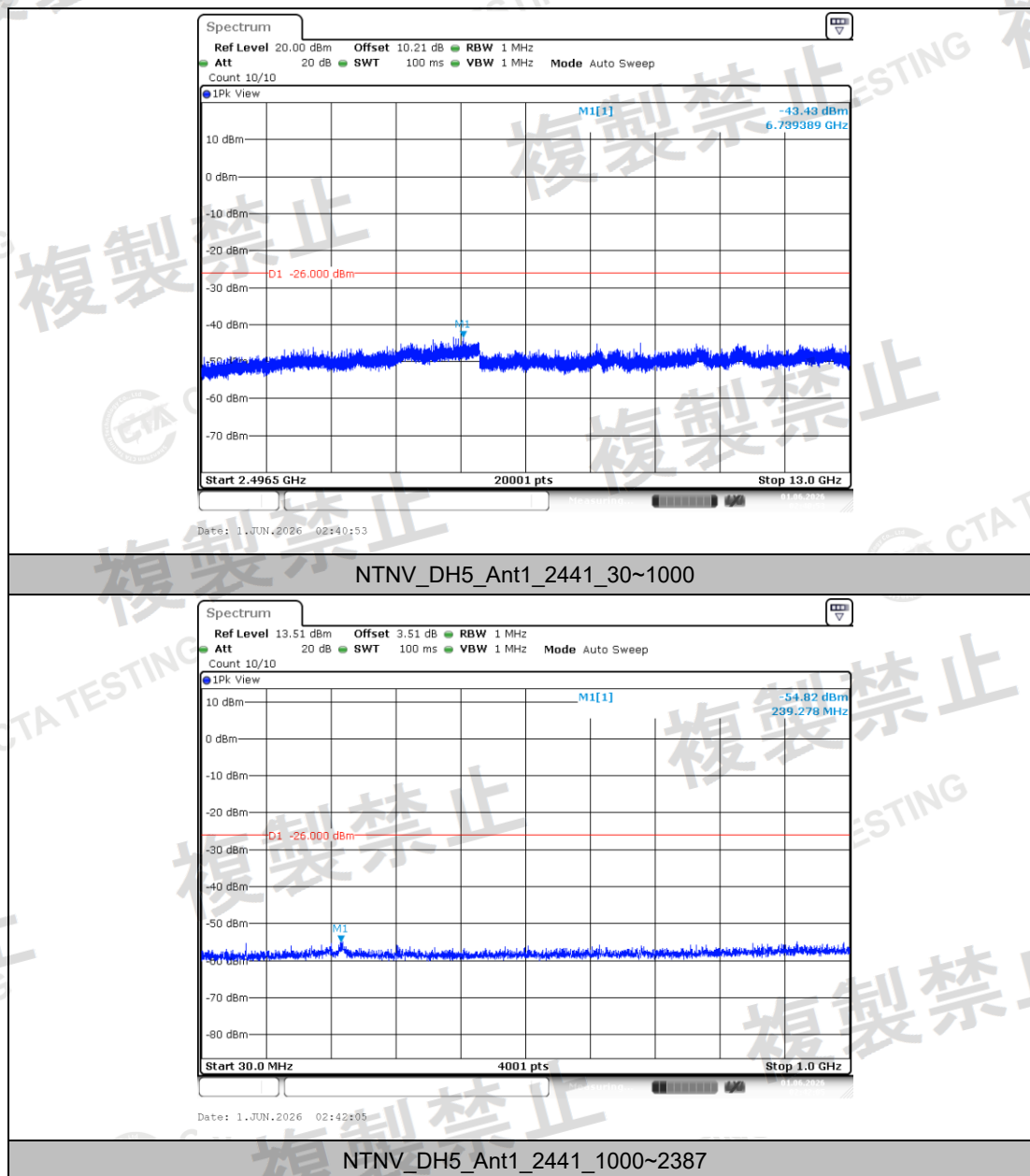
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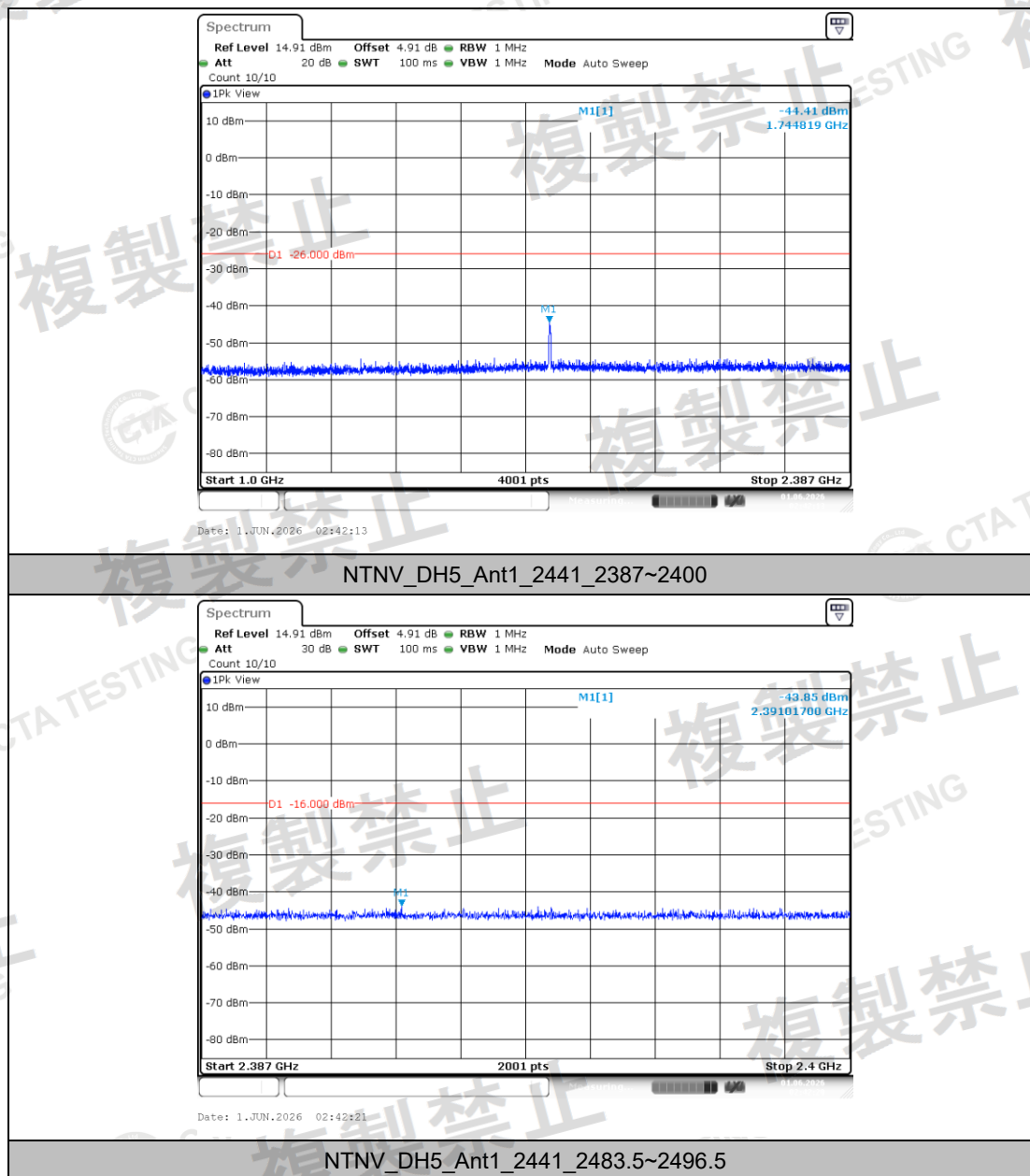
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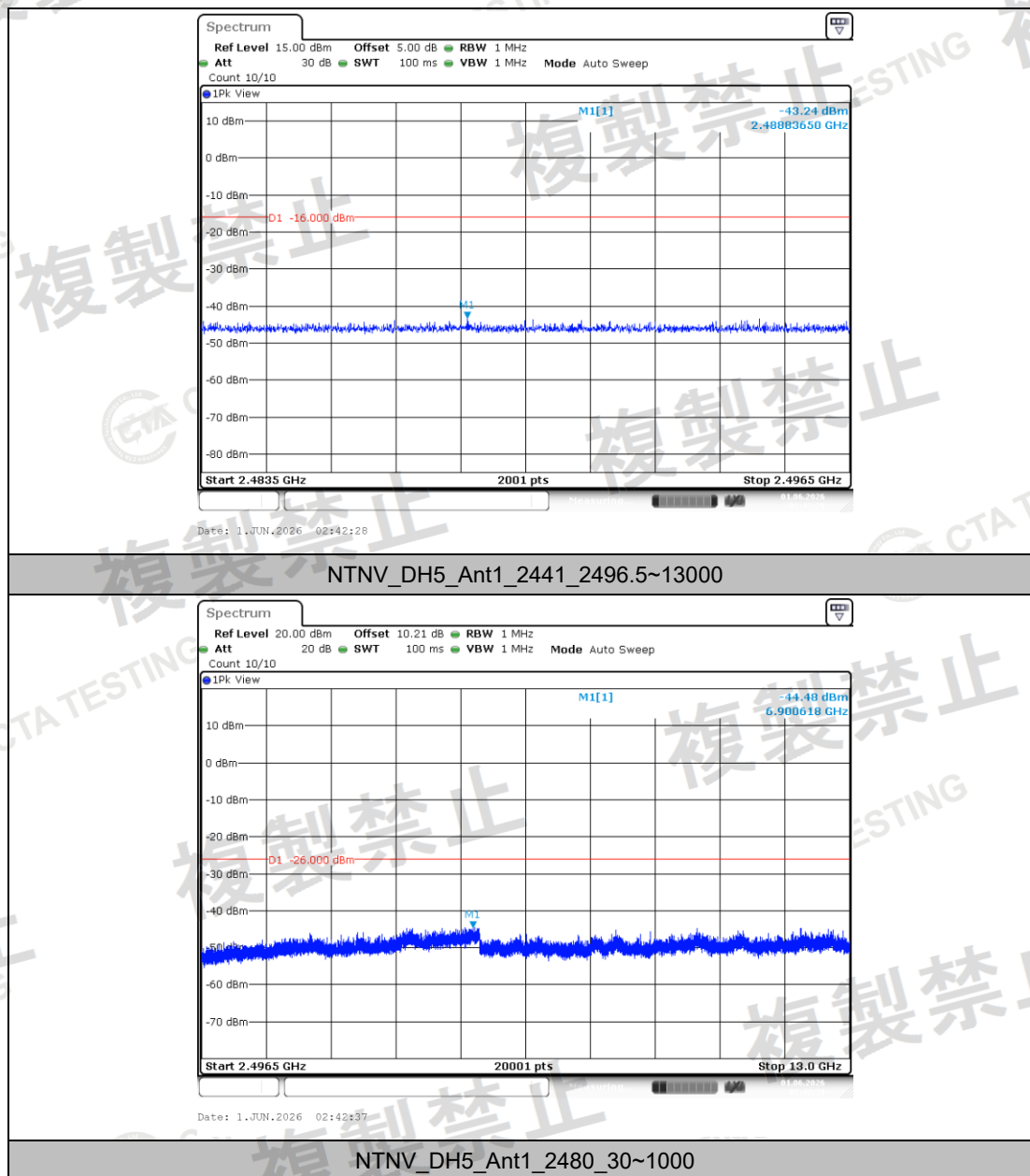
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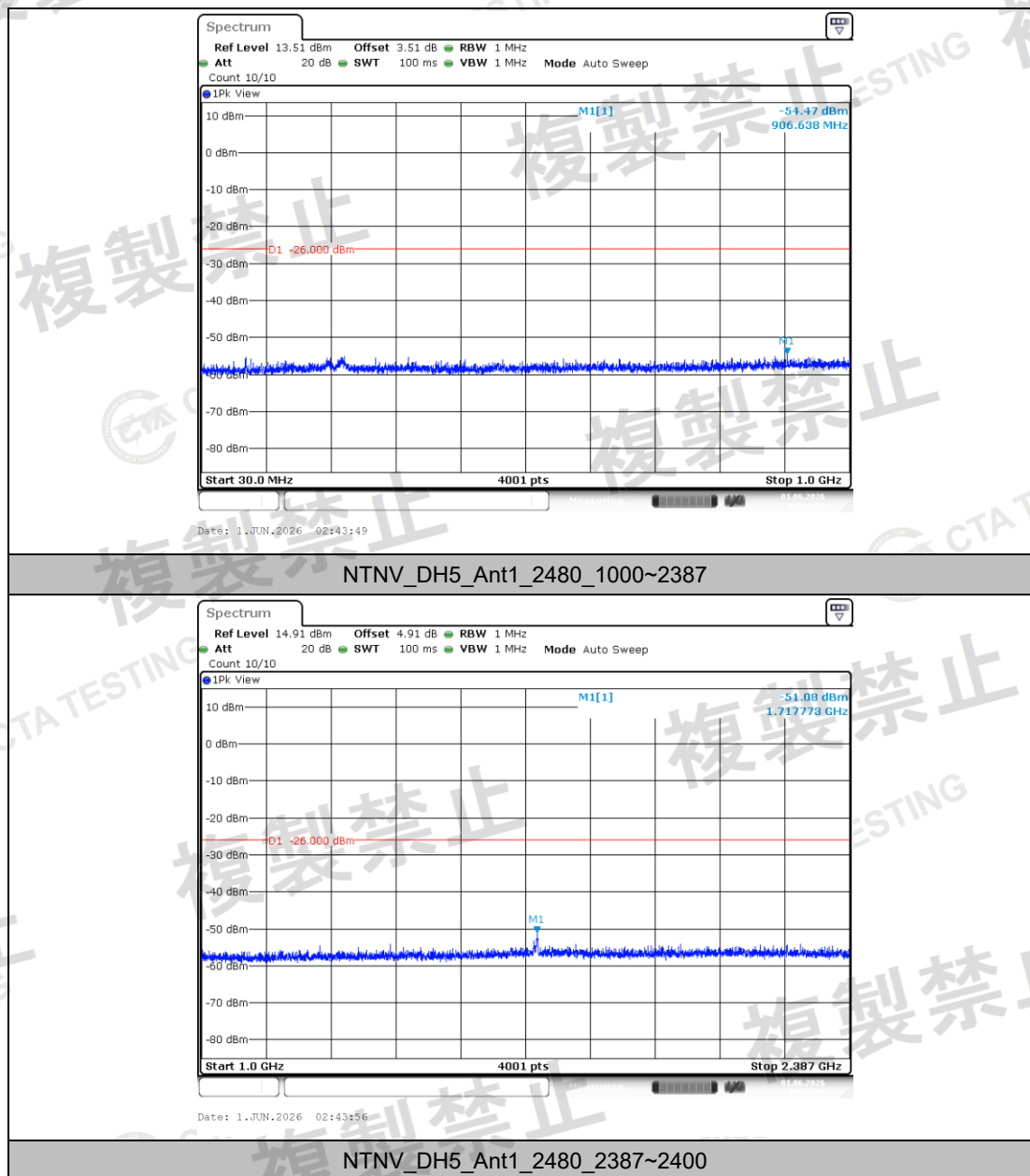
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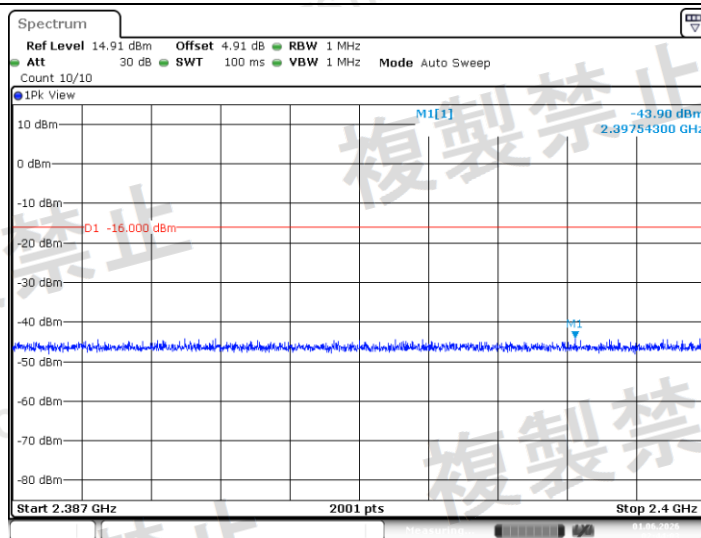
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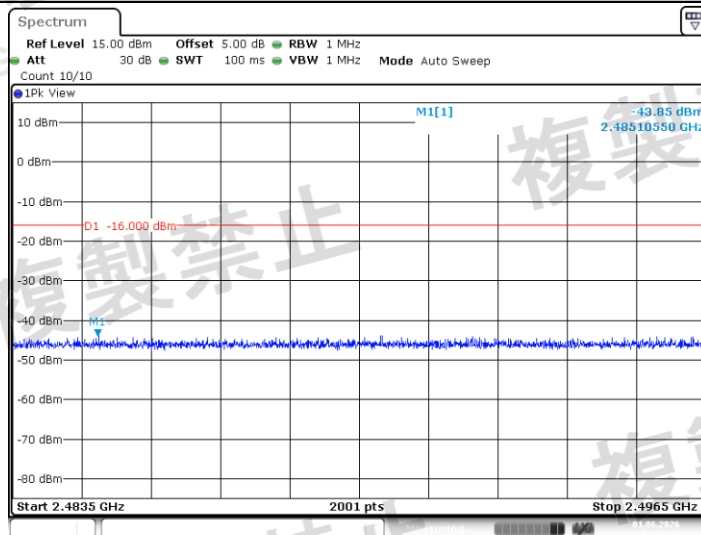
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Date: 1.JUN.2026 02:44:03

NTNV_DH5_Ant1_2480_2483.5~2496.5



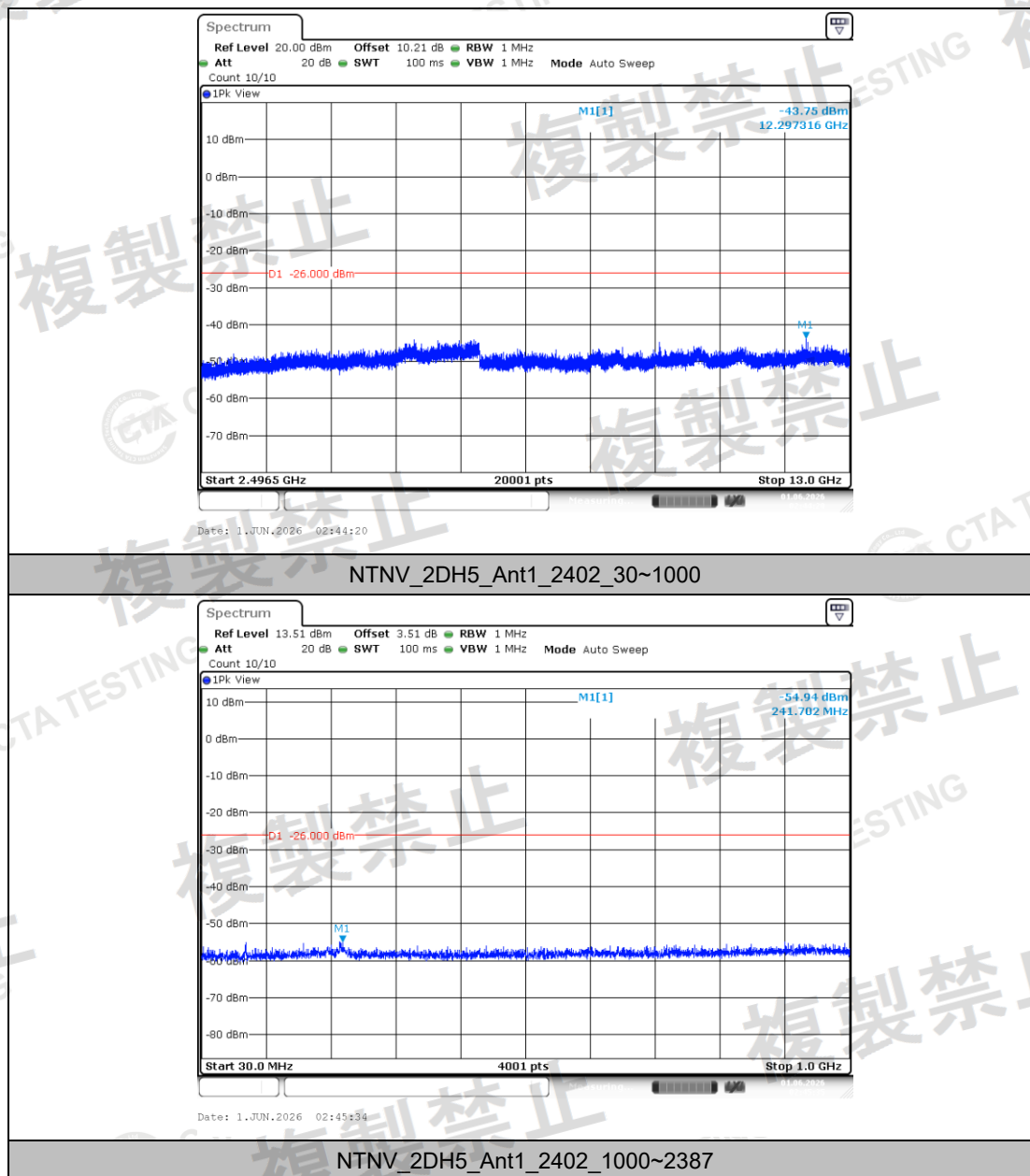
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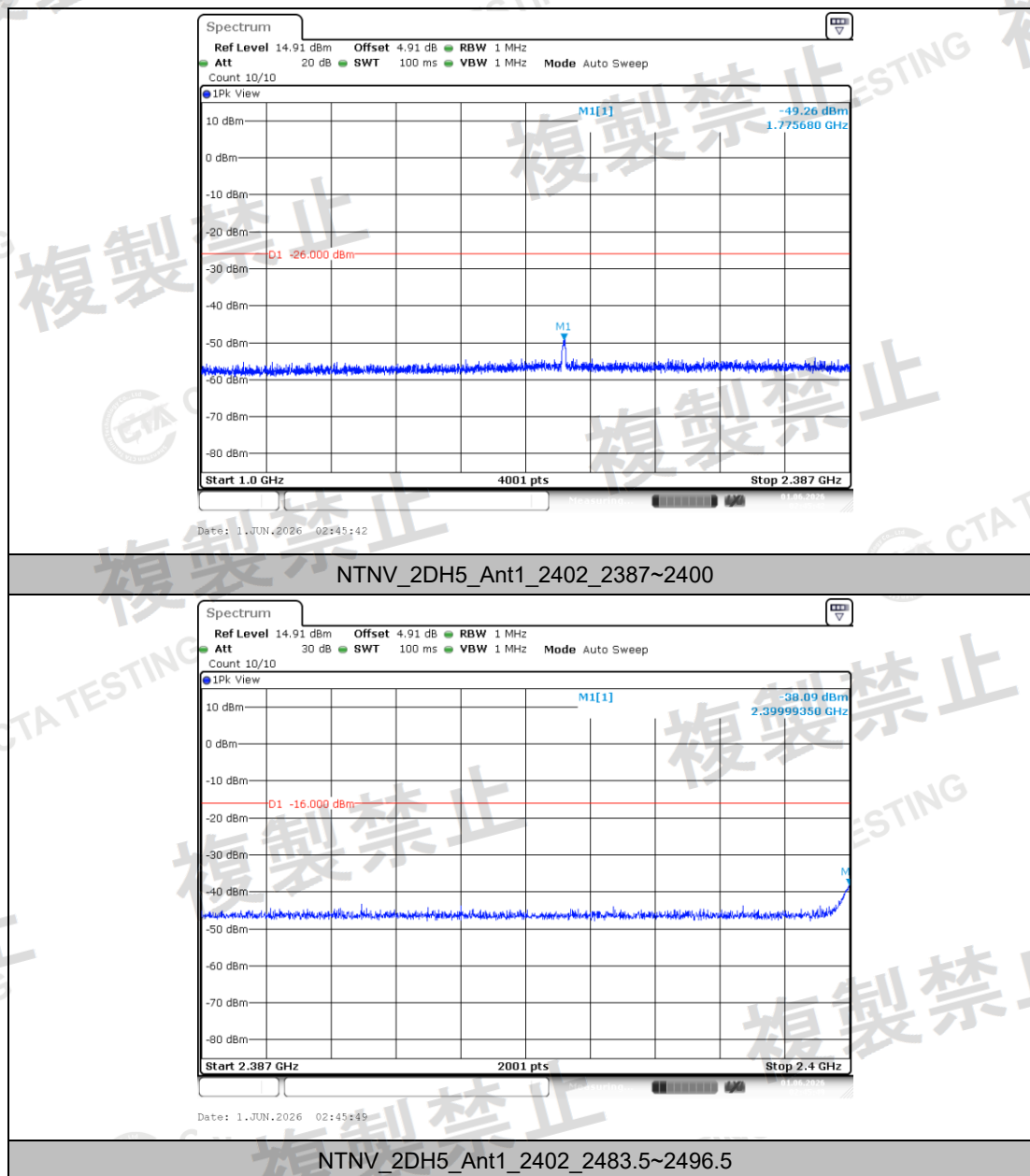
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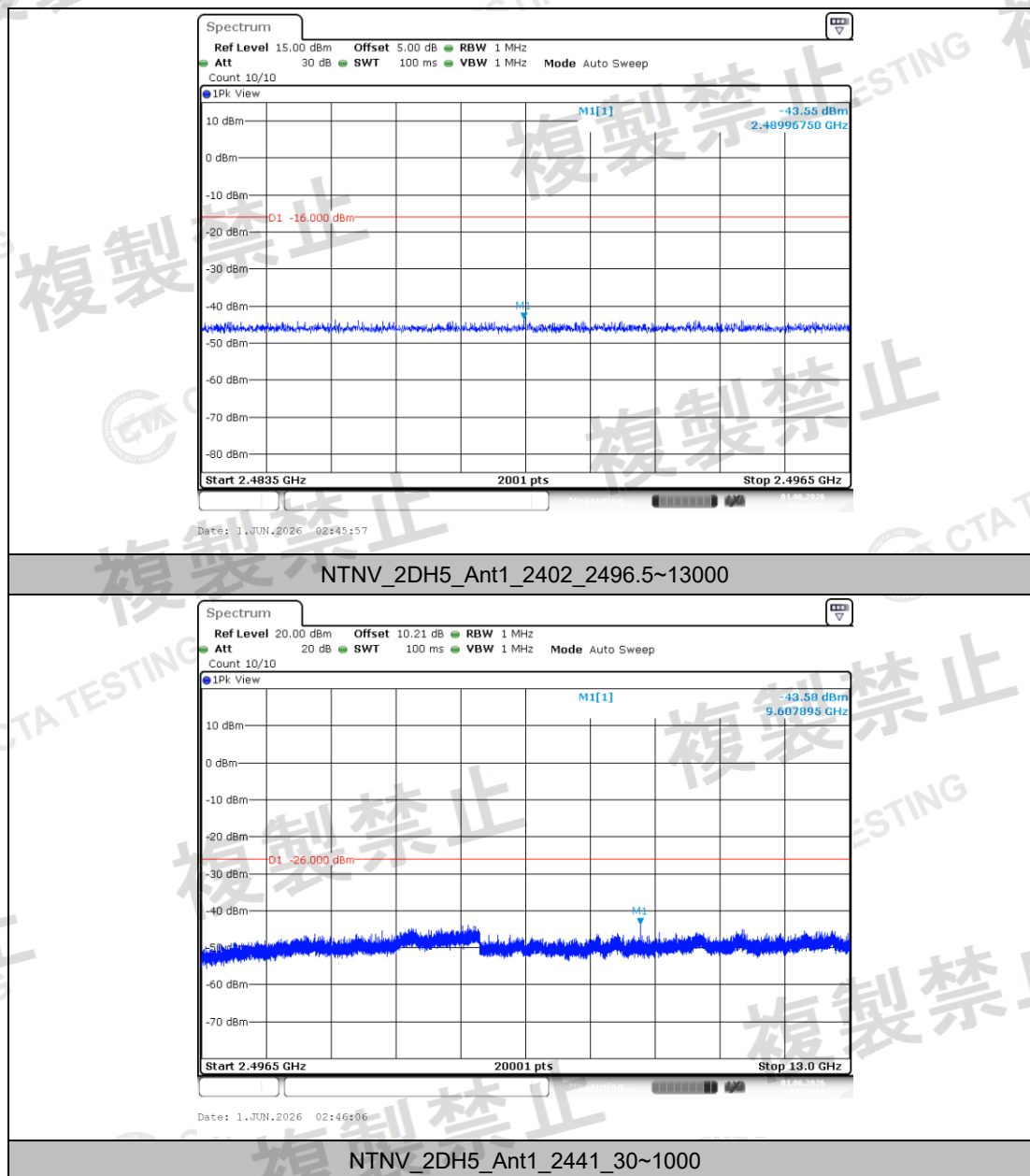
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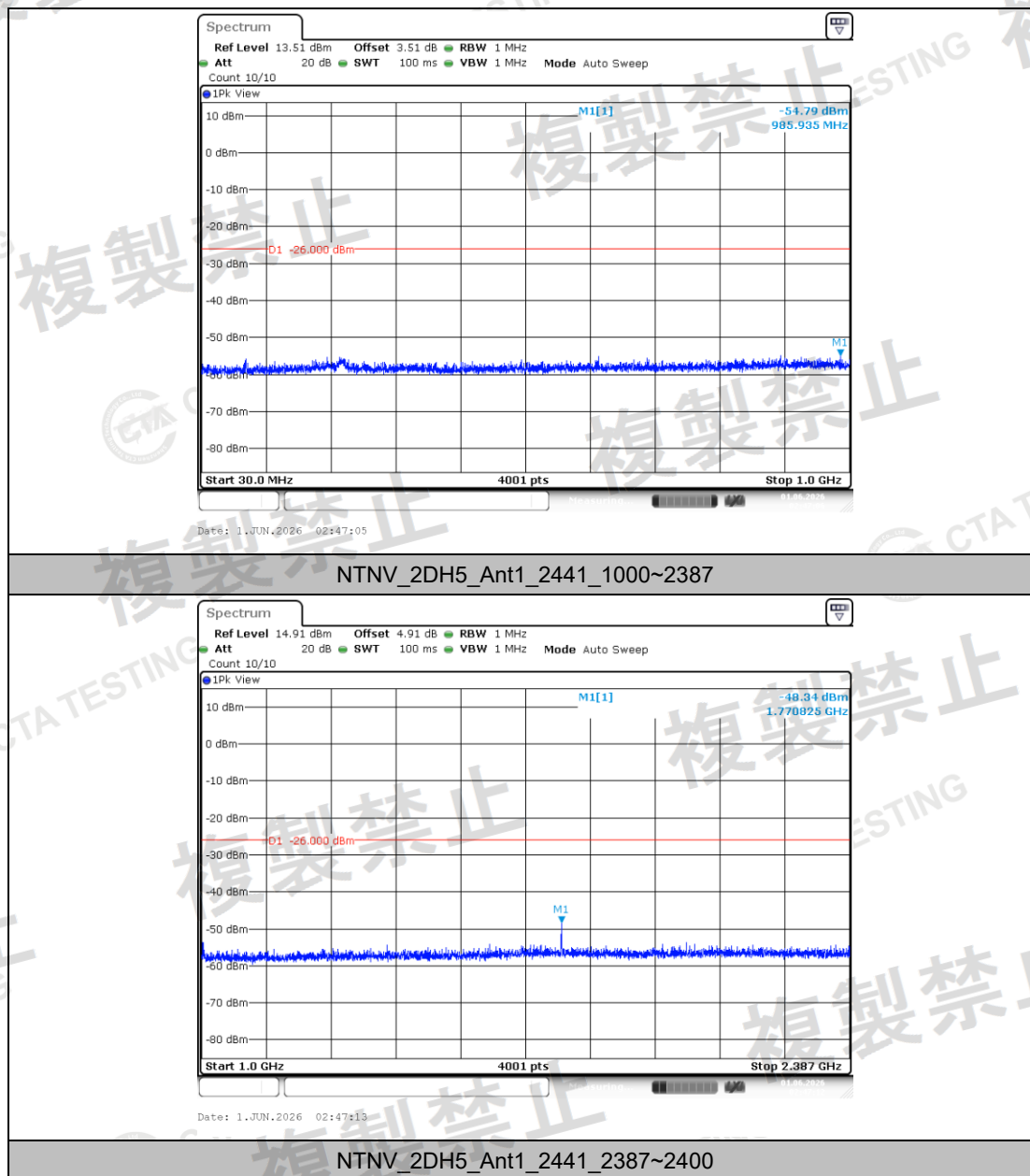
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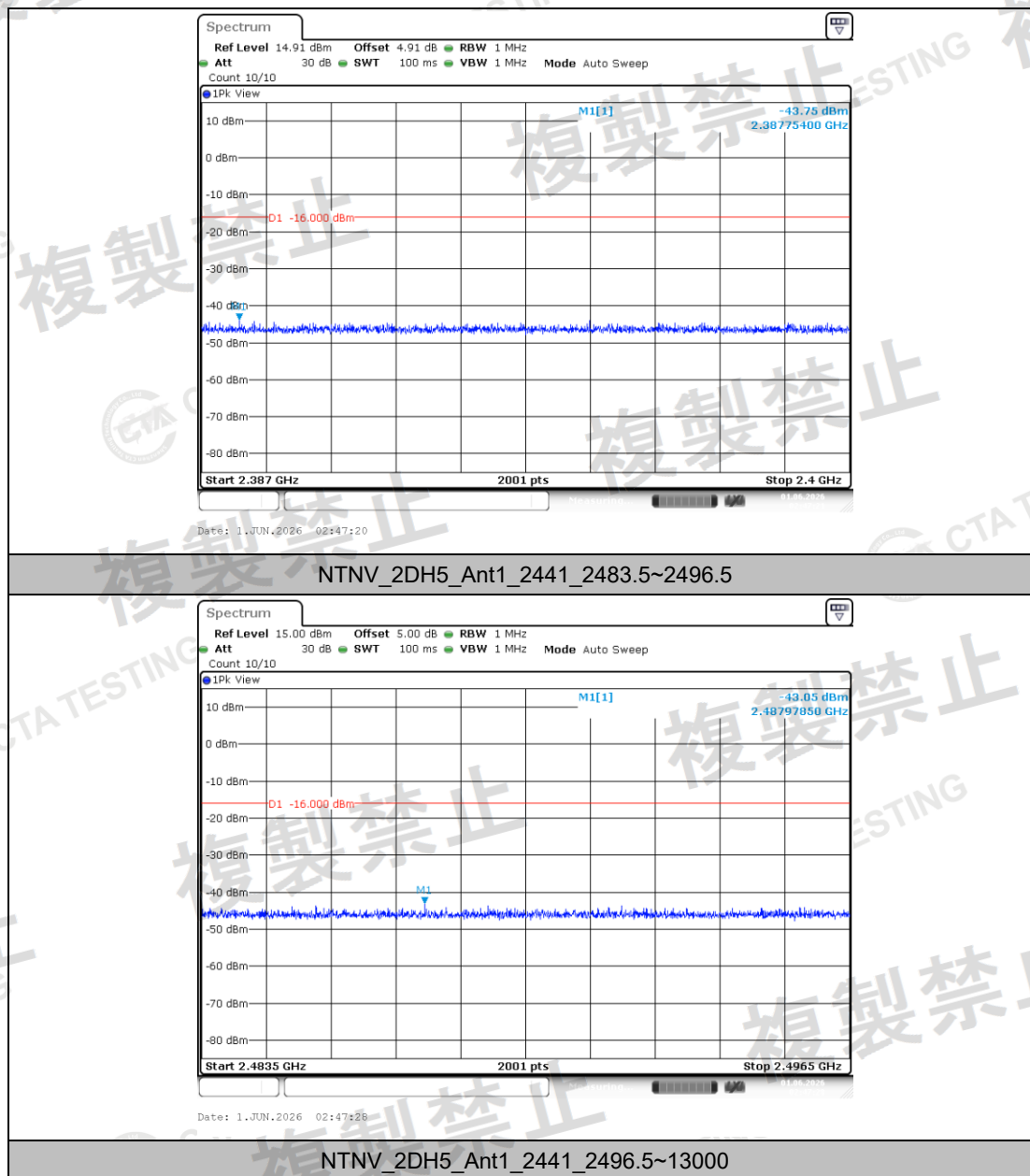
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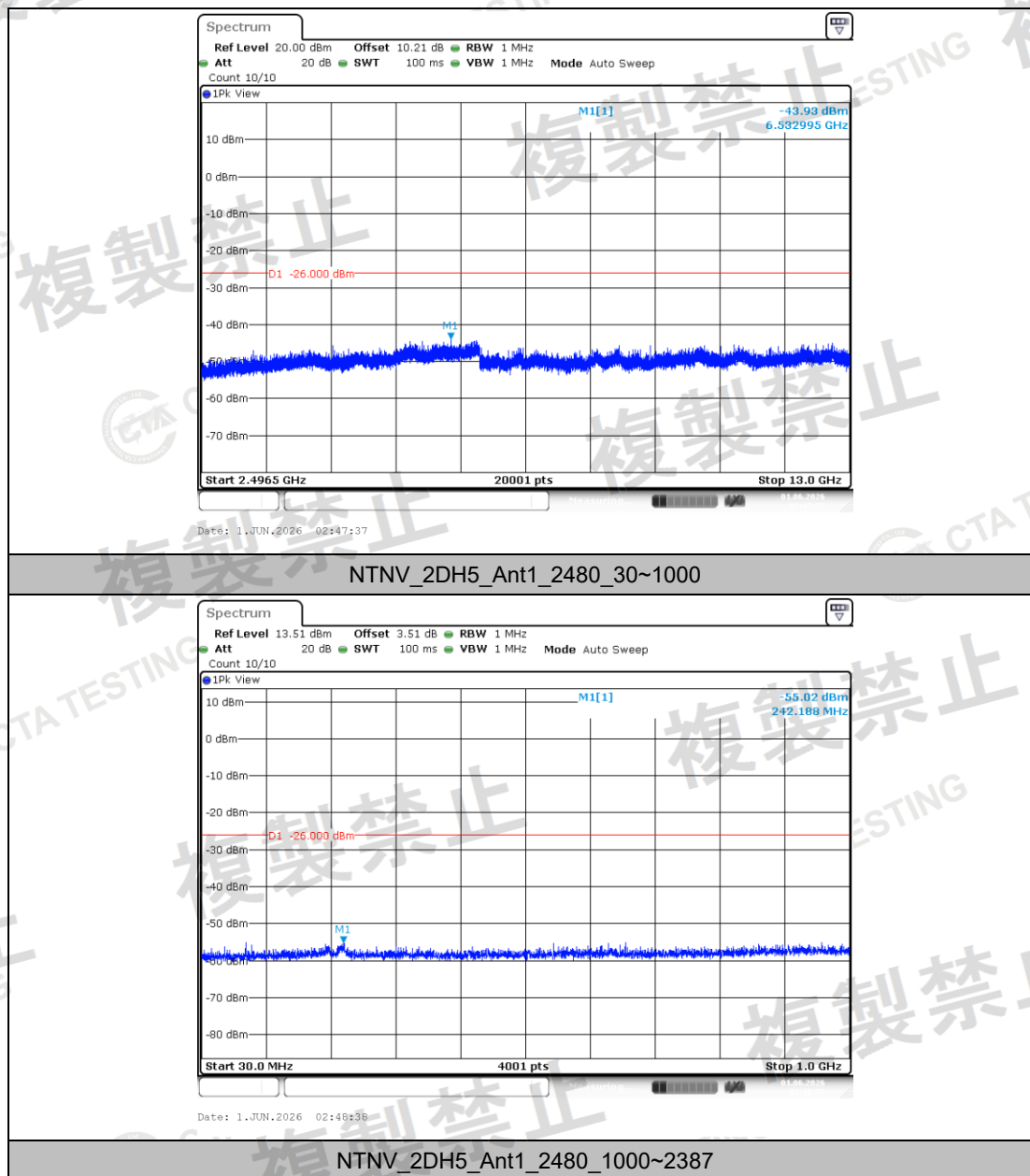
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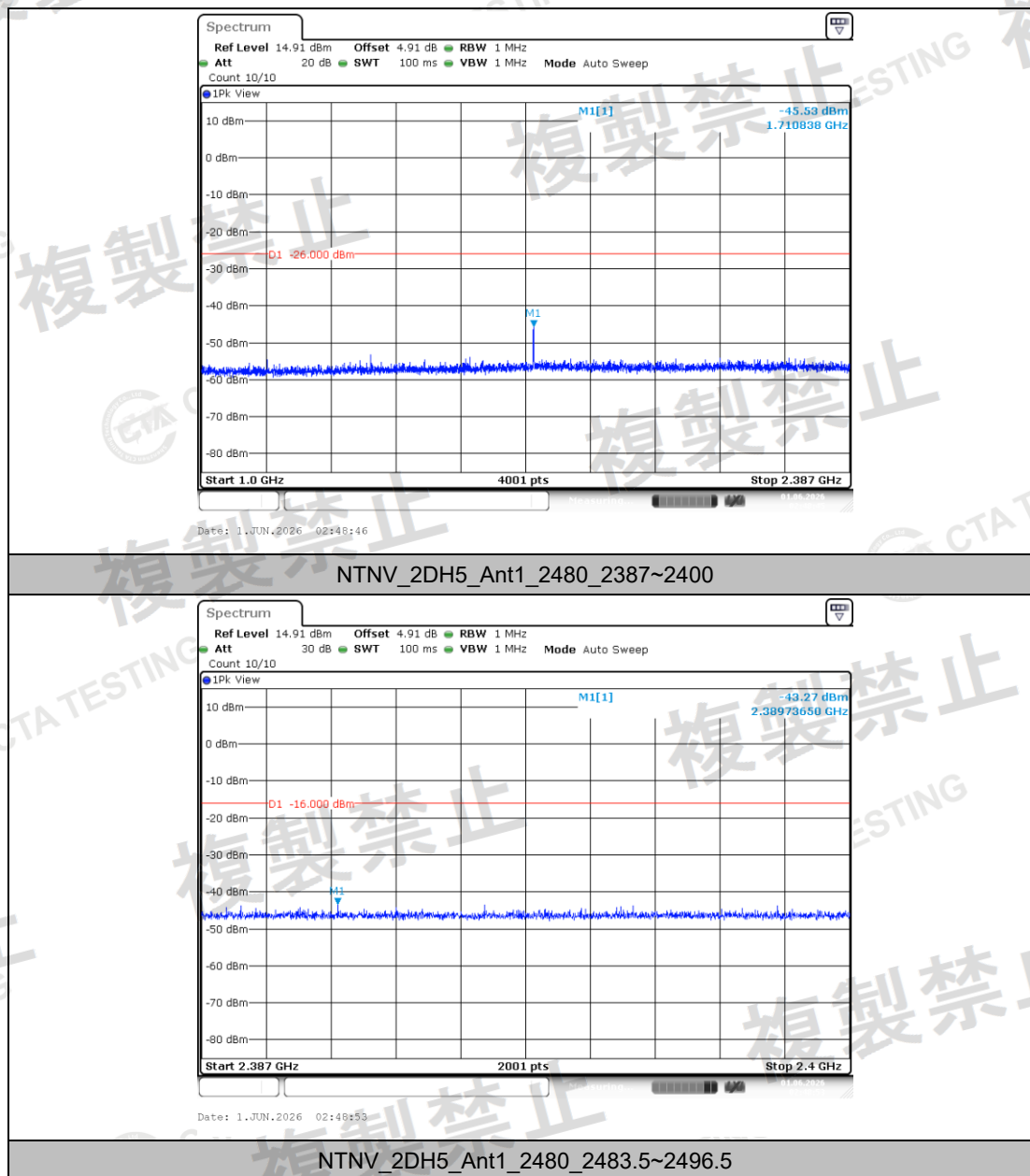
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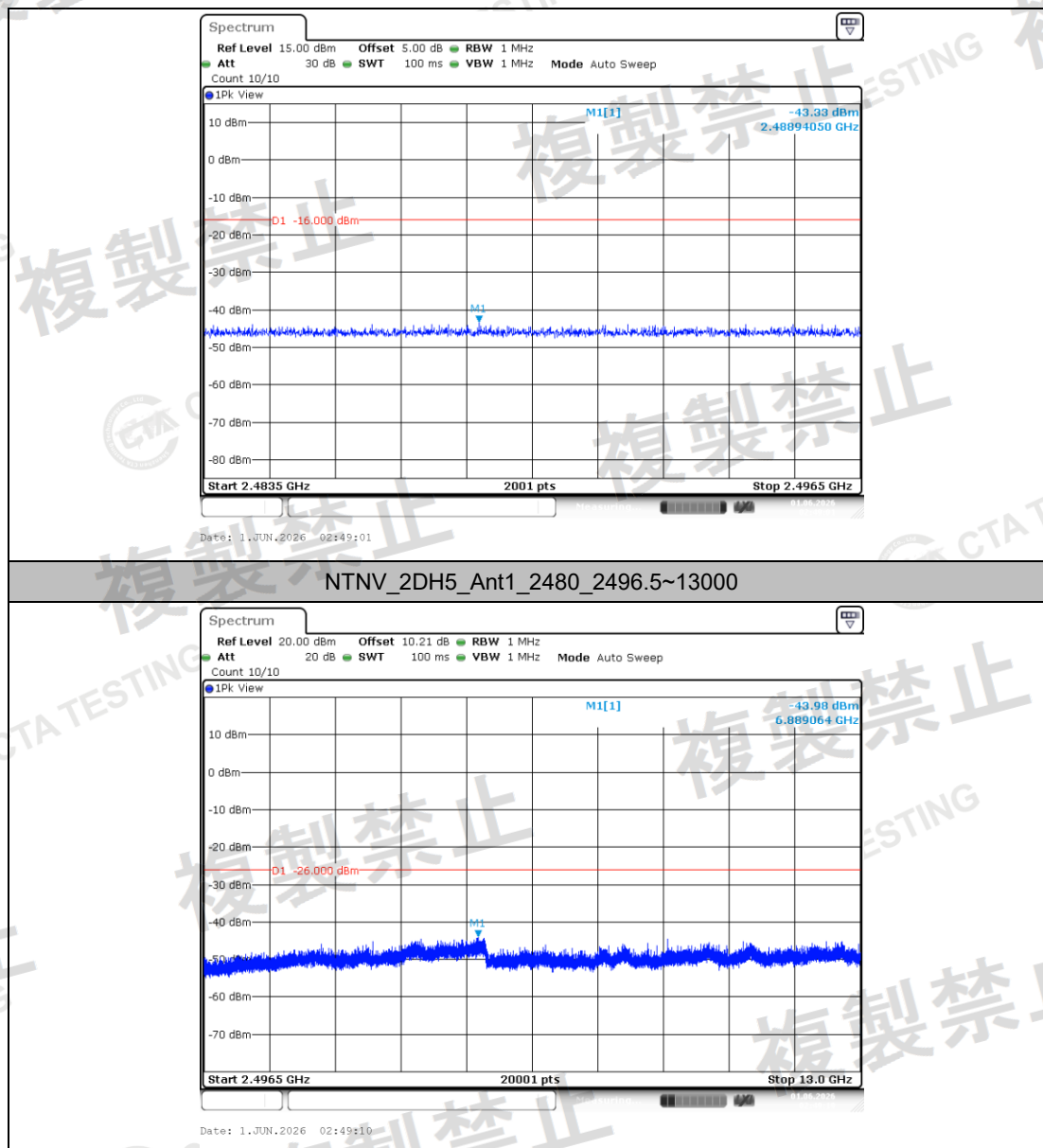
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Appendix E: Spurious Emission of RX

Test Result

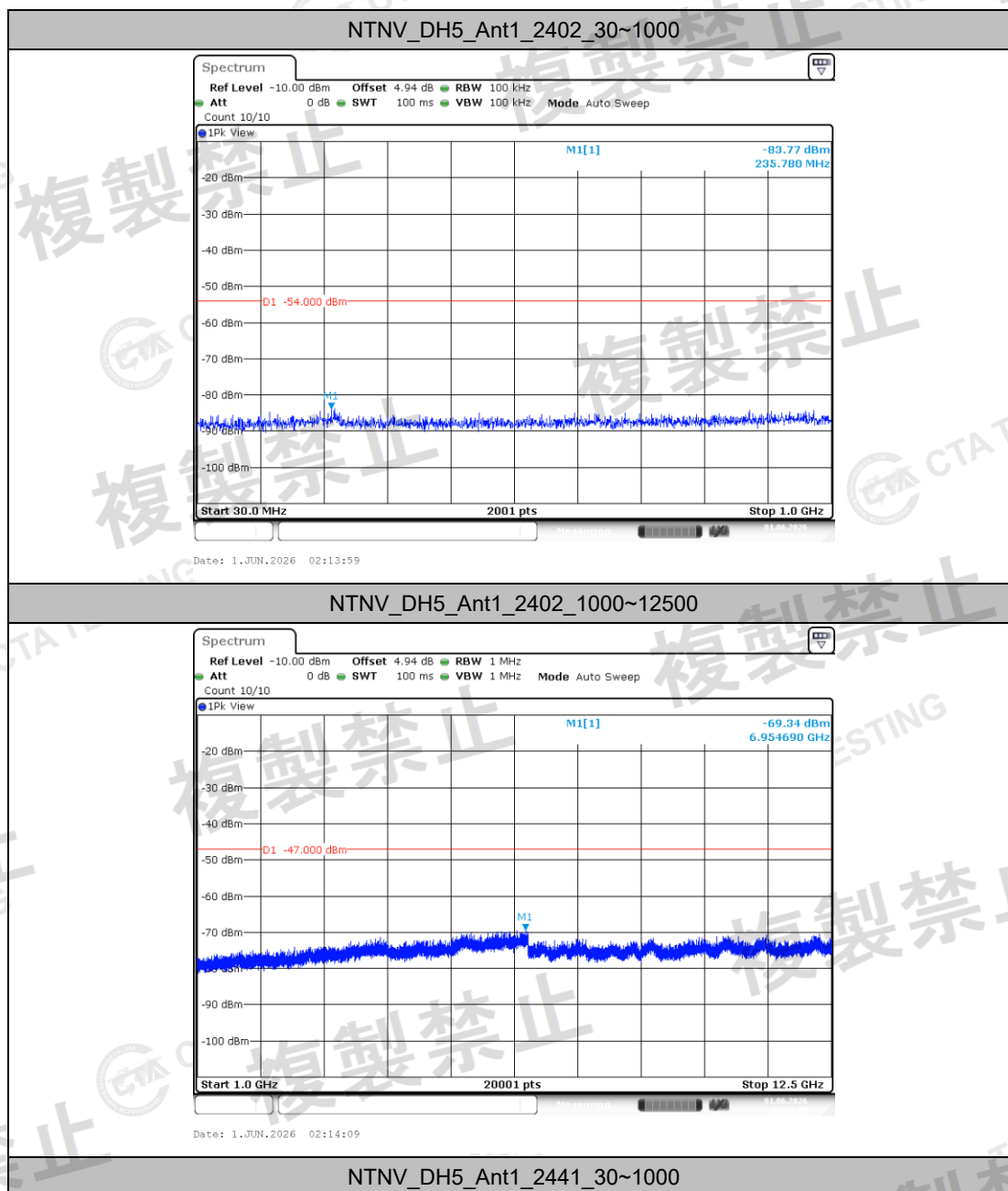
Test Condition	Test Mode	Antenna	Freq(M Hz)	Freq.Range [MHz]	Freq. [MHz]	Result [dBm]	Limit [dBm]	Result [nW]	Limit [nW]	Verdict
NTNV	DH5	Ant1	2402	30~1000	235.78	-83.77	≤-54	0.00420	≤4	PASS
				1000~12500	6954.69	-69.34	≤-47	0.11641	≤20	PASS
			2441	30~1000	243.05	-83.90	≤-54	0.00407	≤4	PASS
				1000~12500	6932.84	-69.01	≤-47	0.12560	≤20	PASS
			2480	30~1000	918.32	-84.13	≤-54	0.00386	≤4	PASS
				1000~12500	6786.22	-69.08	≤-47	0.12359	≤20	PASS
	2DH5	Ant1	2402	30~1000	879.54	-82.76	≤-54	0.00530	≤4	PASS
				1000~12500	6748.28	-69.35	≤-47	0.11614	≤20	PASS
			2441	30~1000	865.00	-83.65	≤-54	0.00432	≤4	PASS
				1000~12500	6956.99	-69.75	≤-47	0.10593	≤20	PASS
			2480	30~1000	887.78	-83.11	≤-54	0.00489	≤4	PASS
				1000~12500	6999.54	-69.13	≤-47	0.12218	≤20	PASS



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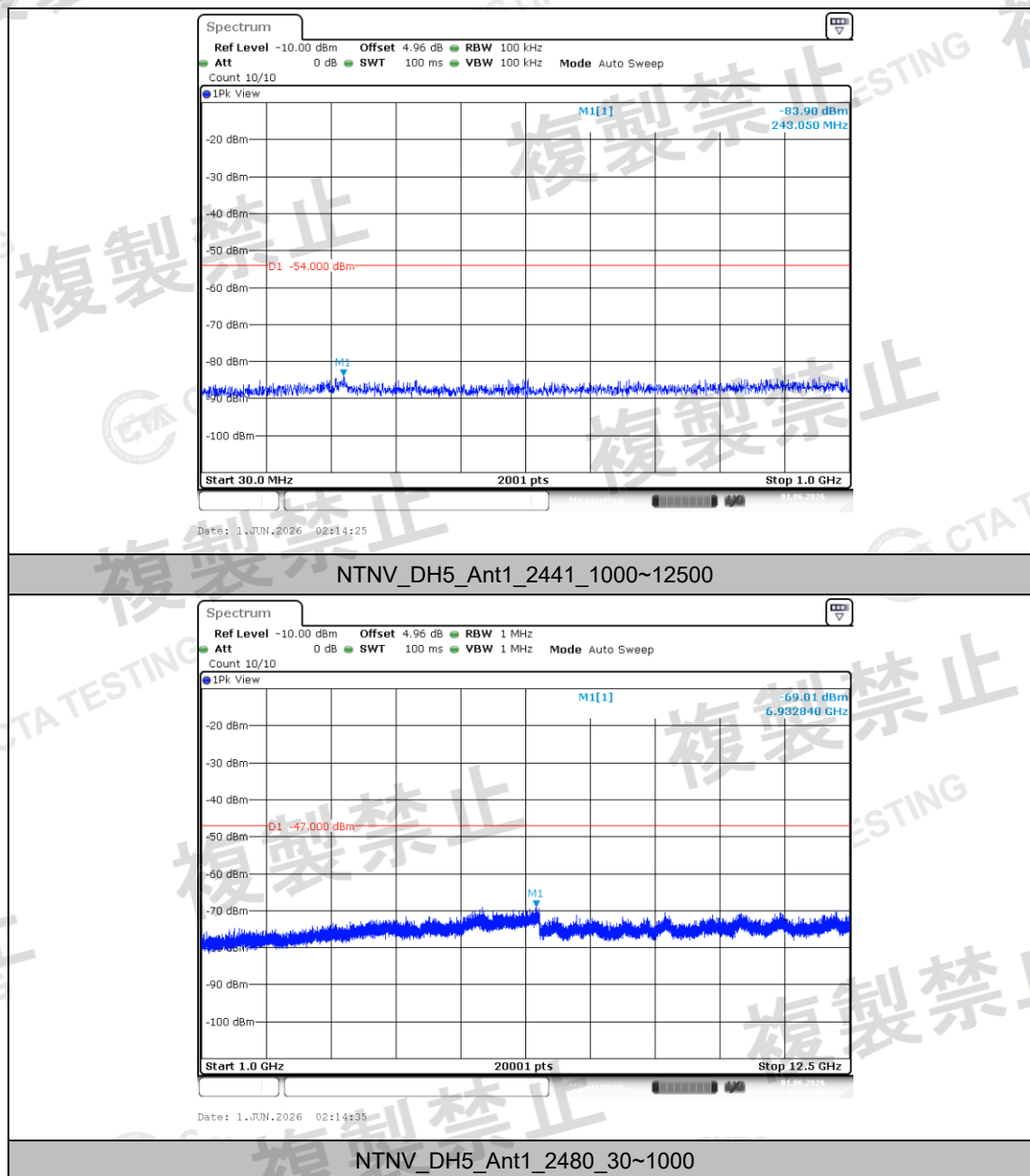
Test Graphs





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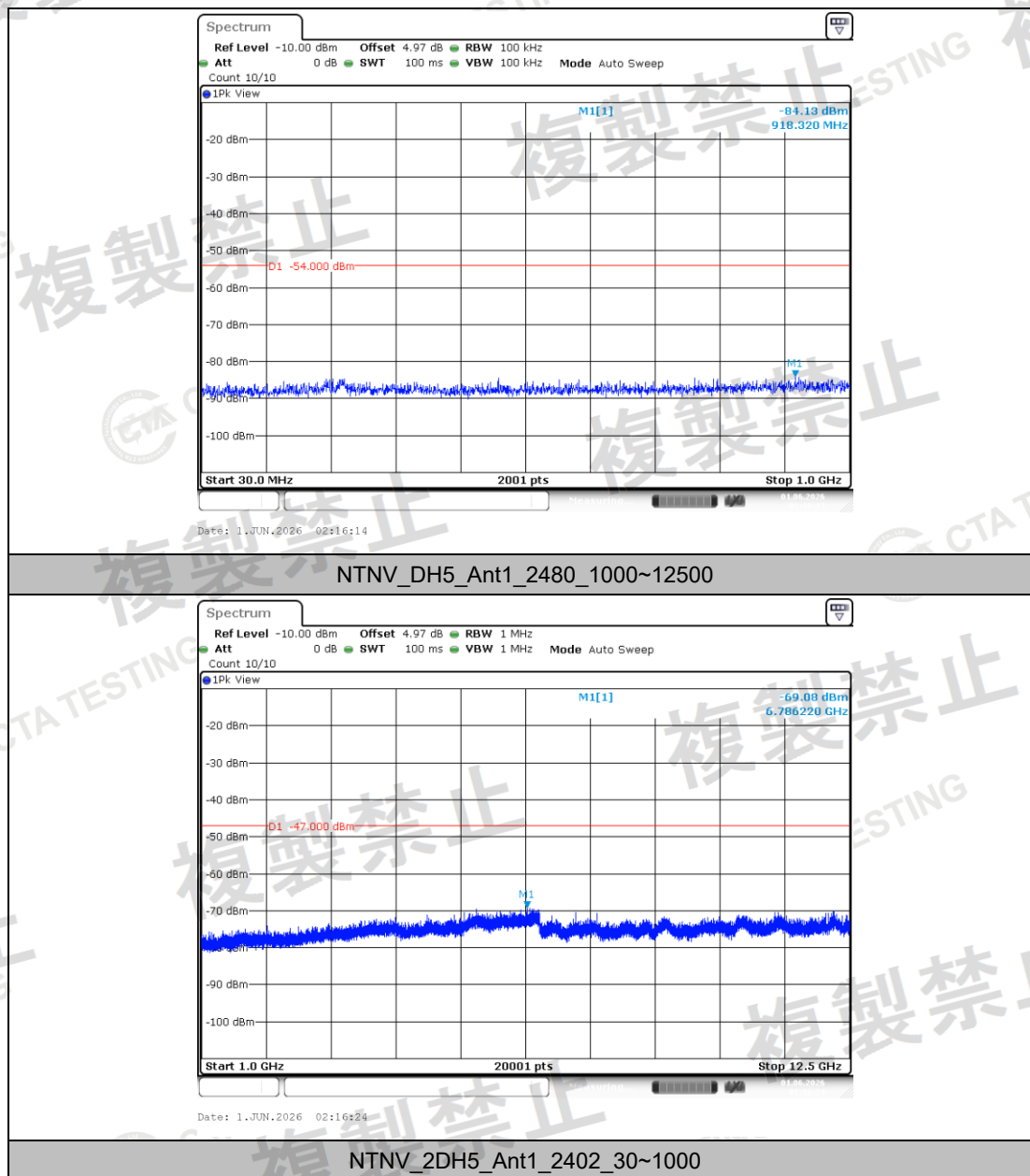
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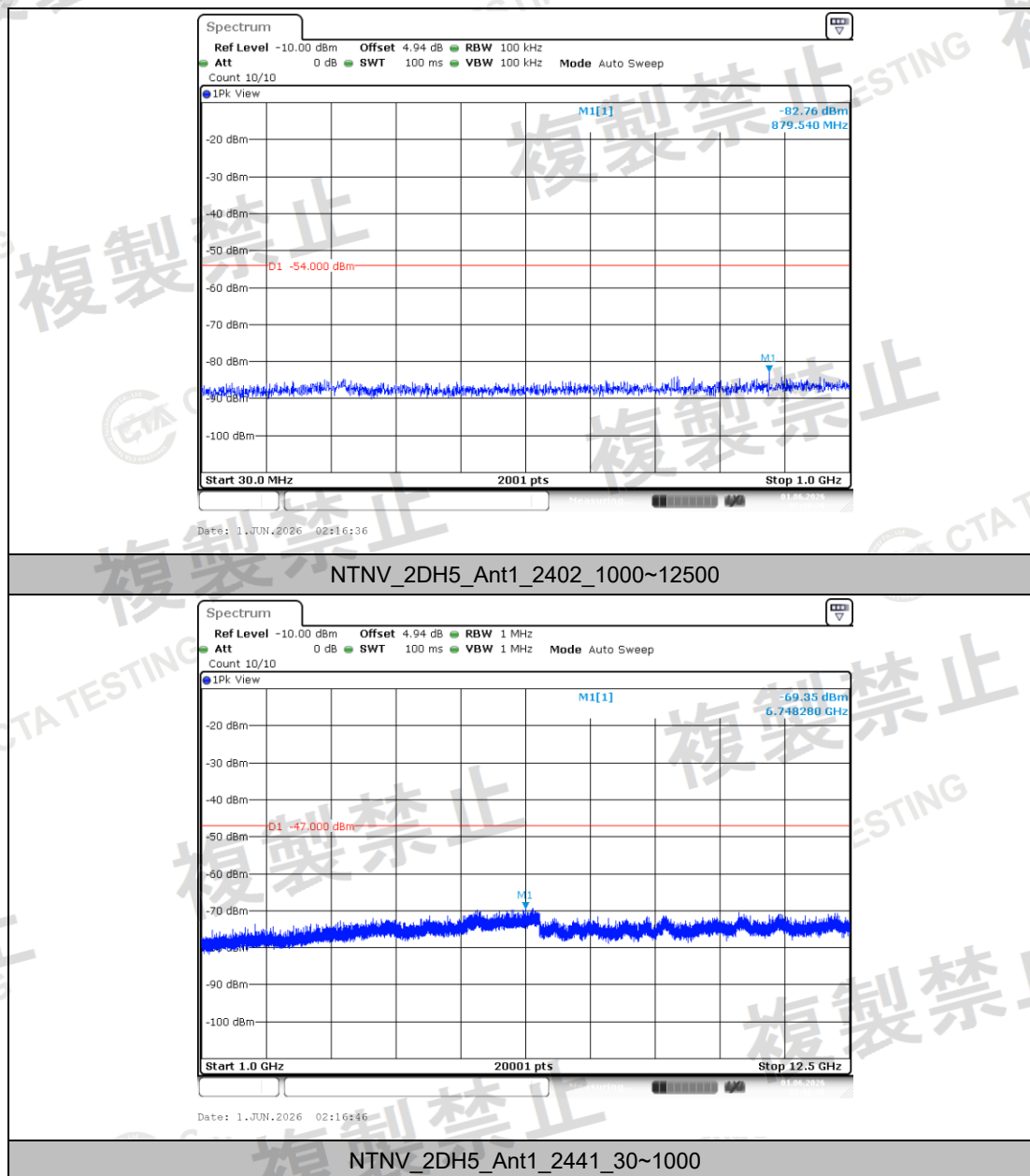
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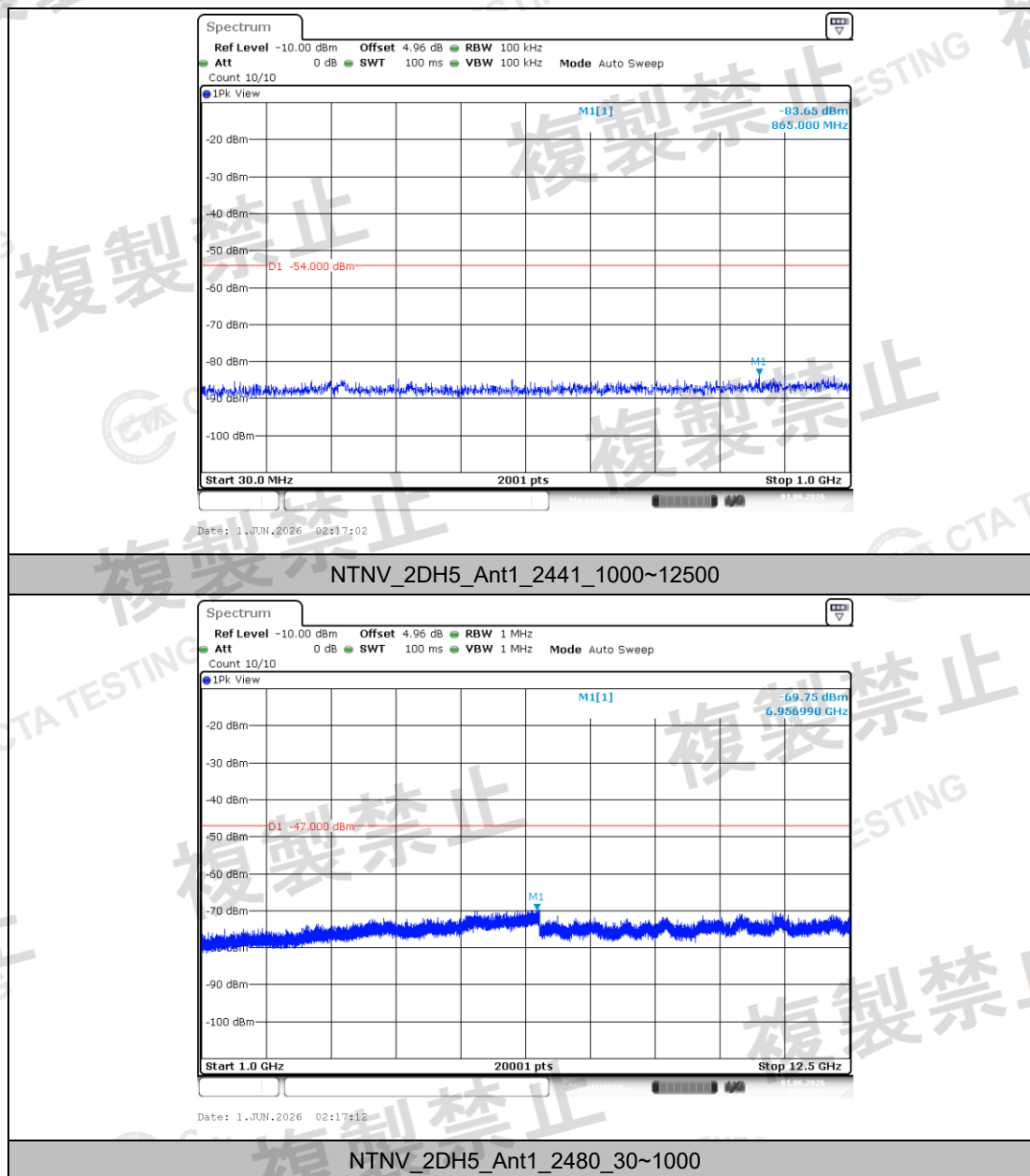
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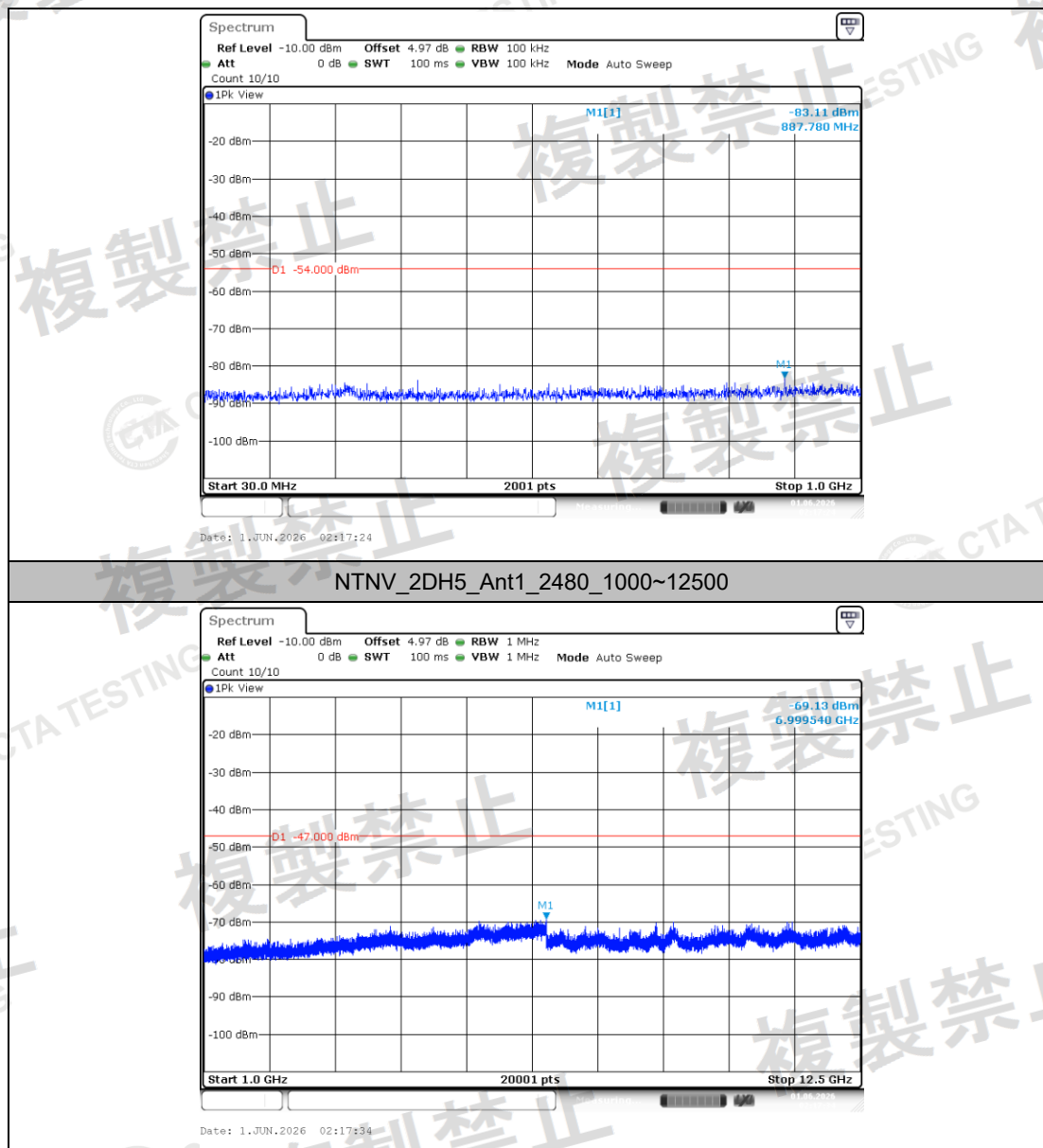
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Appendix F: Dwell Time

Test Result

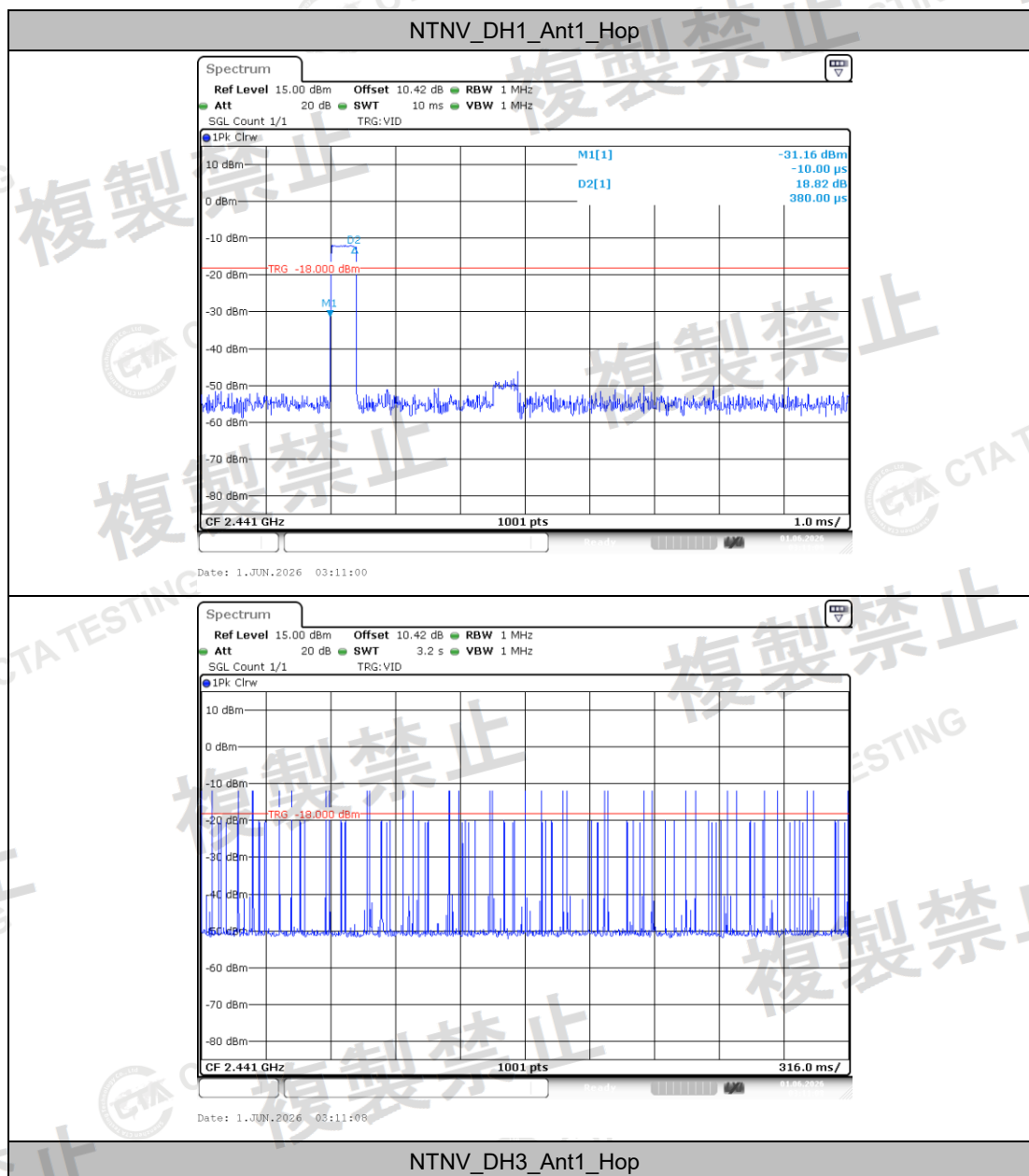
Test Condition	Test Mode	Antenna	Freq(M Hz)	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit [s]	Verdict
NTNV	DH1	Ant1	Hop	0.38	280	0.106	≤0.4	PASS
	DH3	Ant1	Hop	1.63	150	0.245	≤0.4	PASS
	DH5	Ant1	Hop	2.88	130	0.374	≤0.4	PASS
	2DH1	Ant1	Hop	0.38	300	0.114	≤0.4	PASS
	2DH3	Ant1	Hop	1.64	170	0.279	≤0.4	PASS
	2DH5	Ant1	Hop	2.89	40	0.116	≤0.4	PASS



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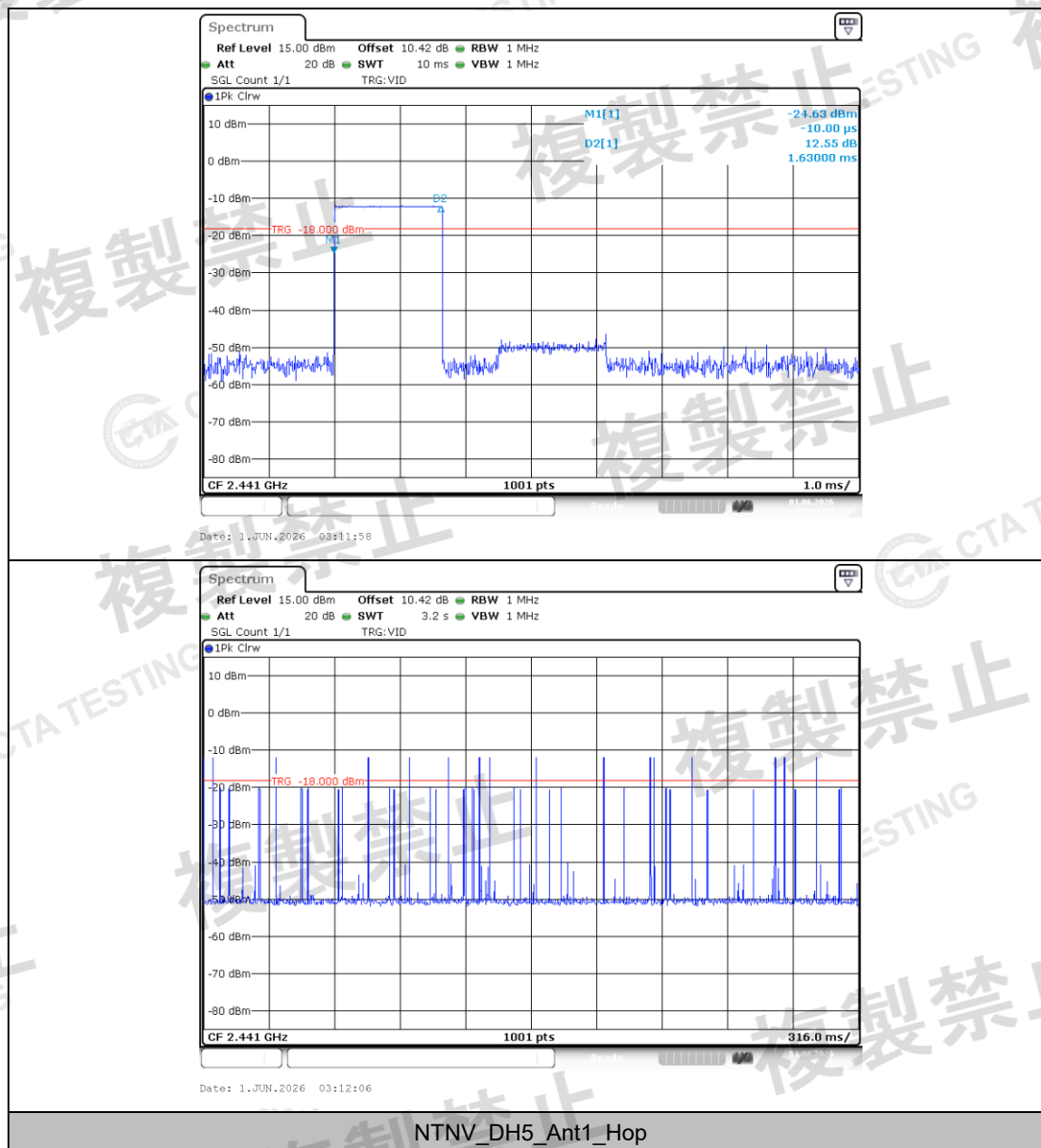
Test Graphs





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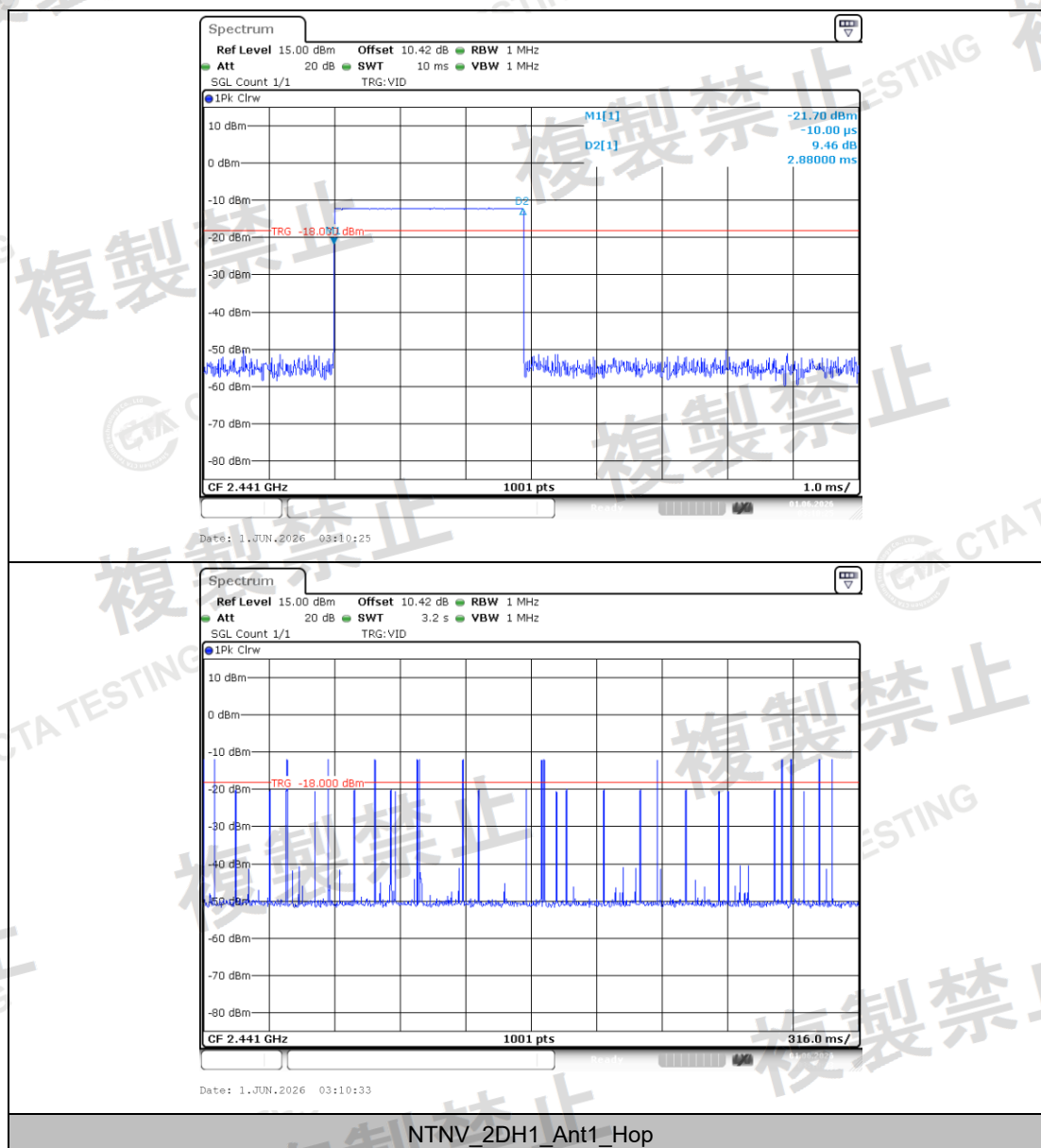
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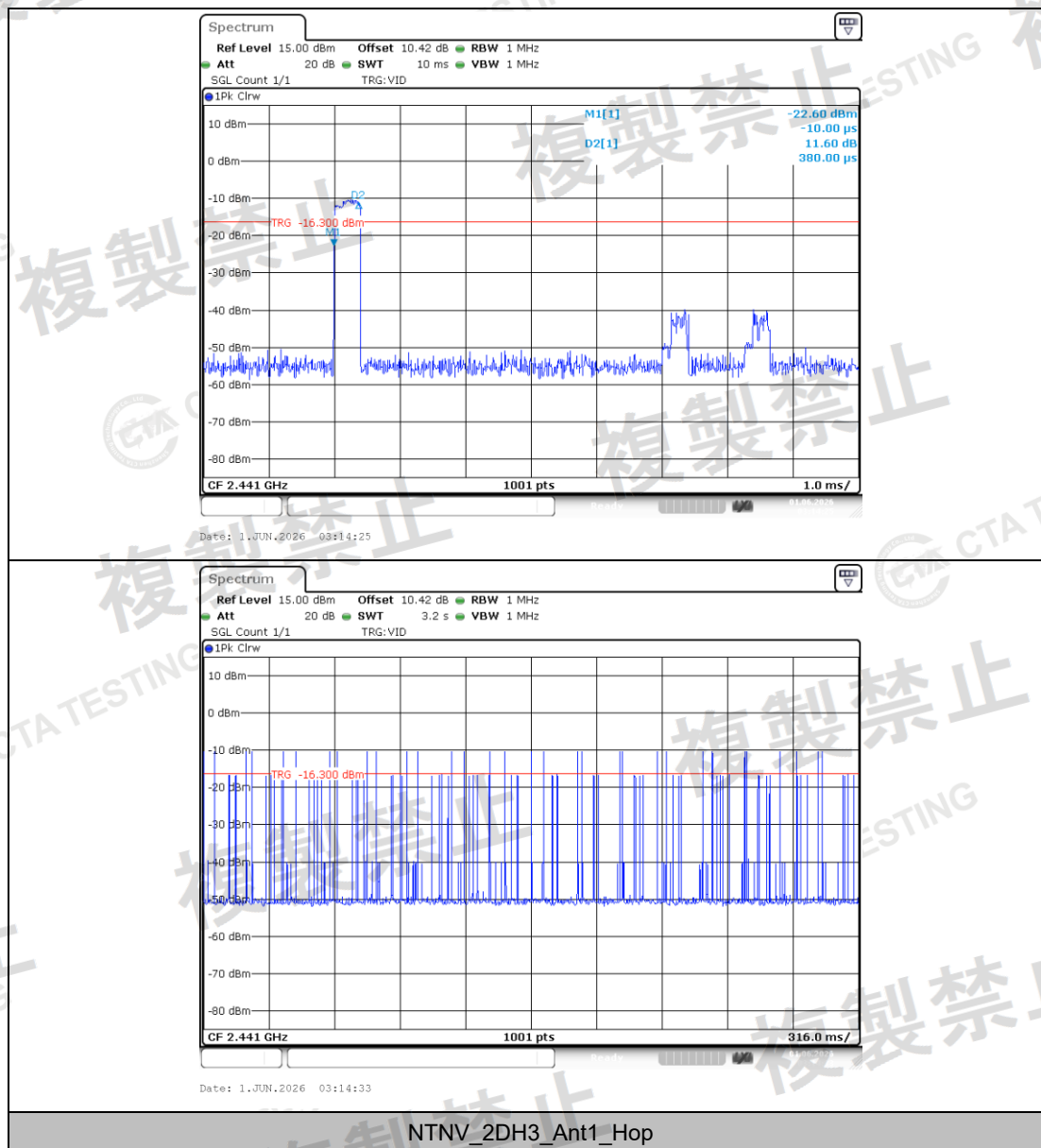
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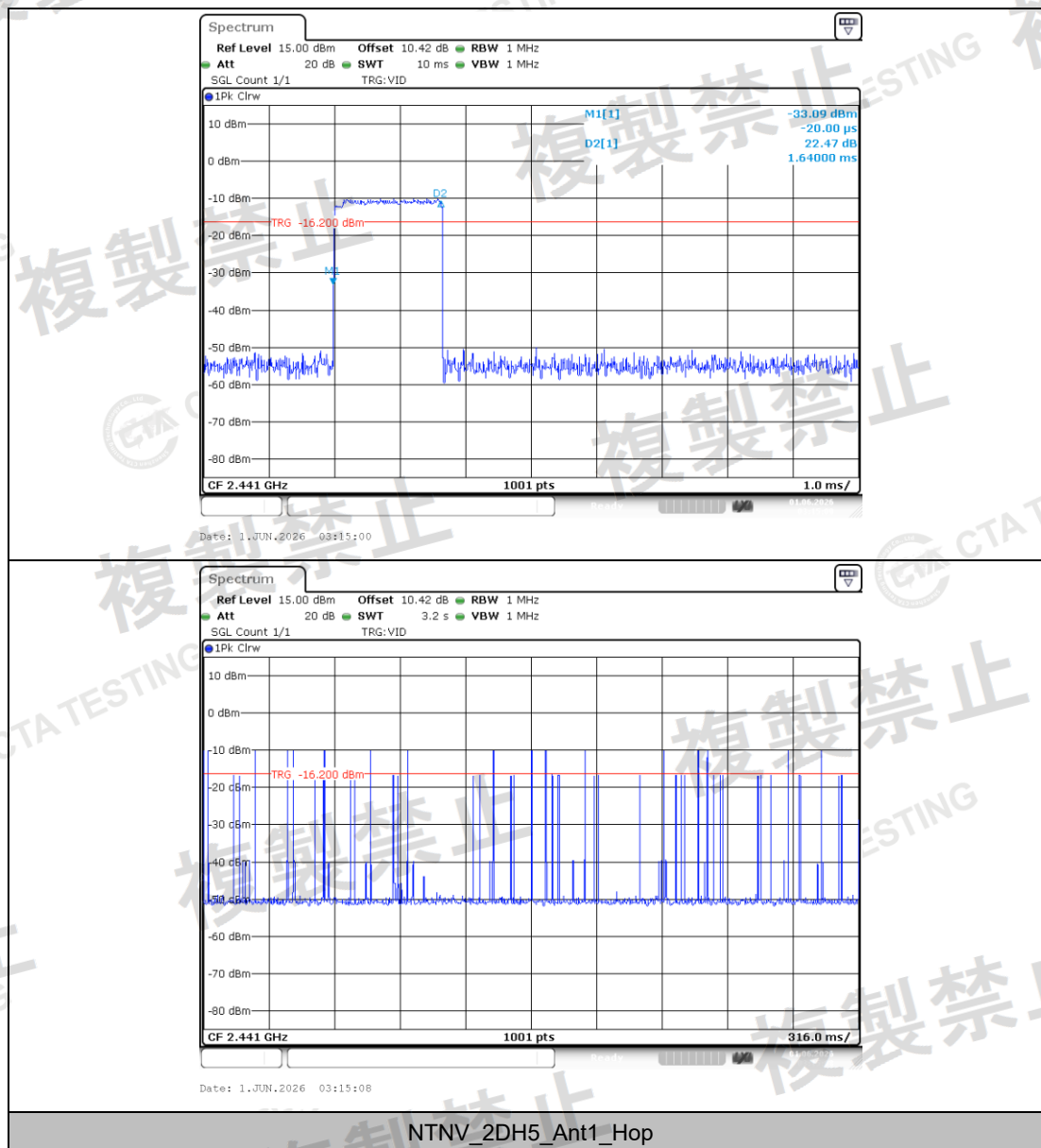
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