



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 2.4GWIFI

Company : SMARTCORE TECHNOLOGIES LIMITED

EUT : Intelligent glasses

Model Number : V06

Report No. : CTA26061200502

Reviewed By : Eric Wang



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Appendix A: Frequency Error

Test Result

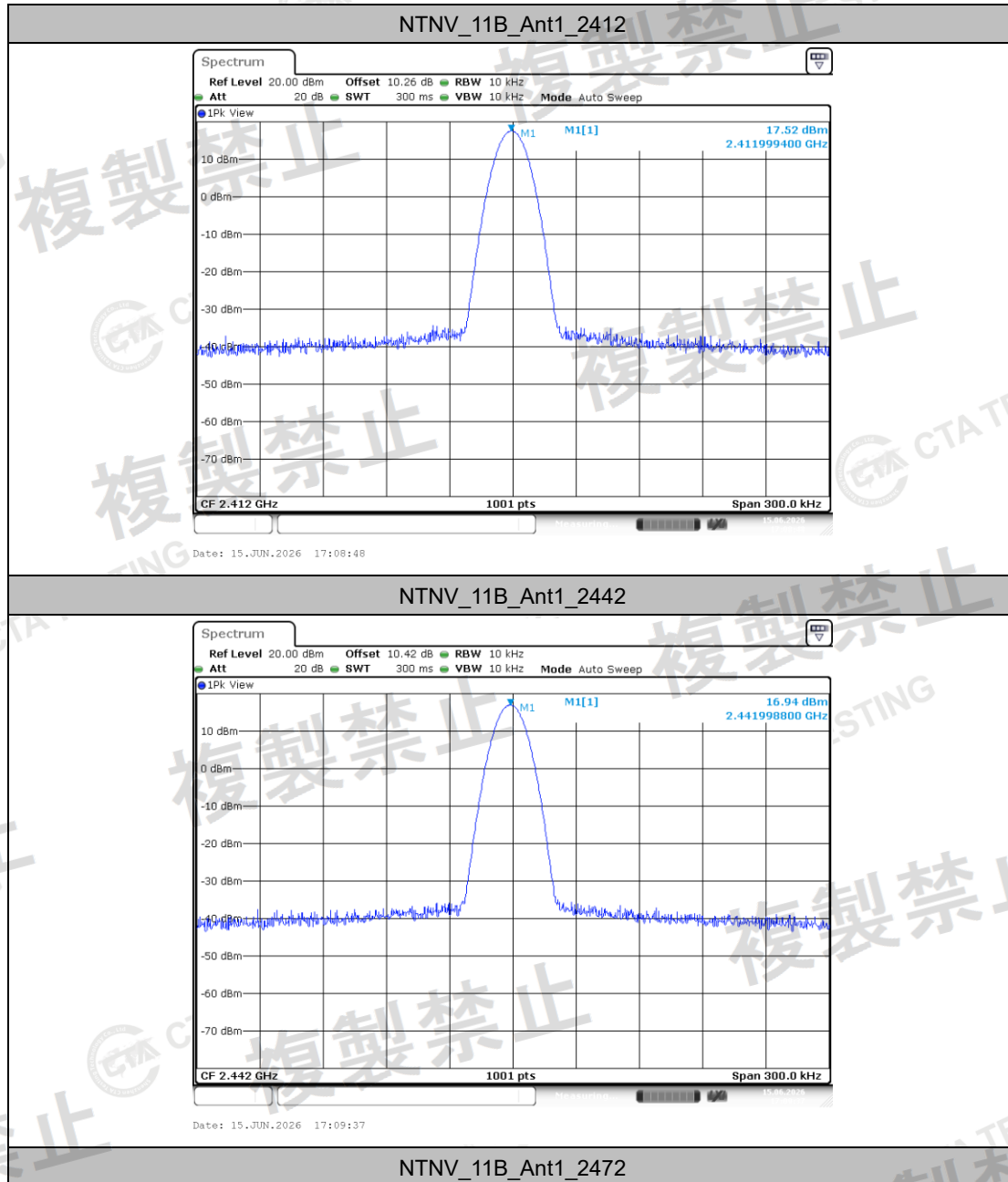
TestCondition	TestMode	Antenna	Freq(MHz)	CenterFrequency [MHz]	Result[ppm]	Limit[ppm]	Verdict
NTNV	11B	Ant1	2412	2411.9994	-0.24876	±50	PASS
			2442	2441.9988	-0.49140	±50	PASS
			2472	2471.9985	-0.60680	±50	PASS



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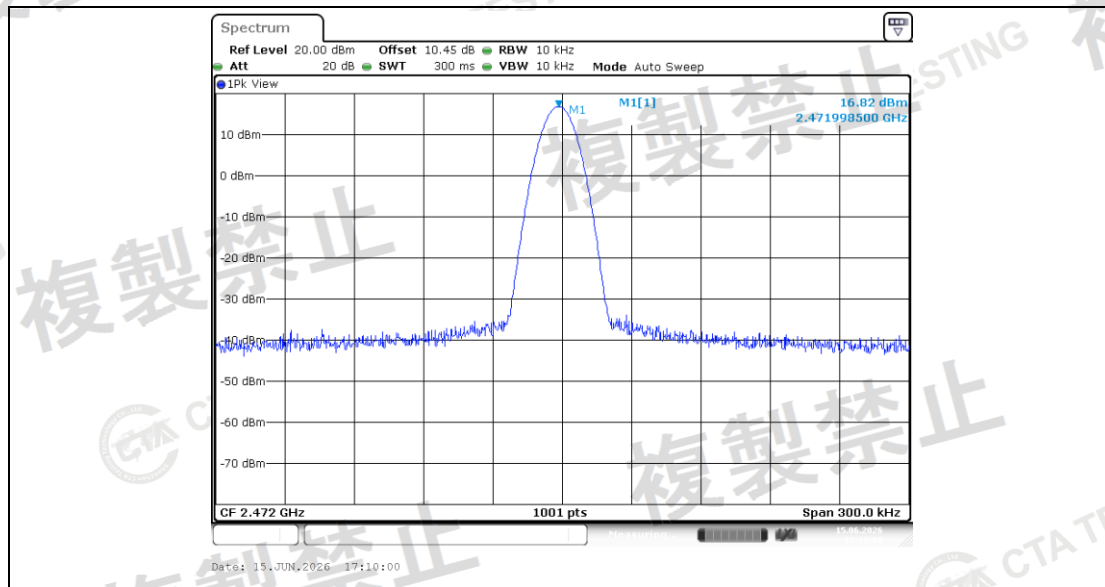
Test Graphs





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Appendix B: Occupied Bandwidth

Test Result

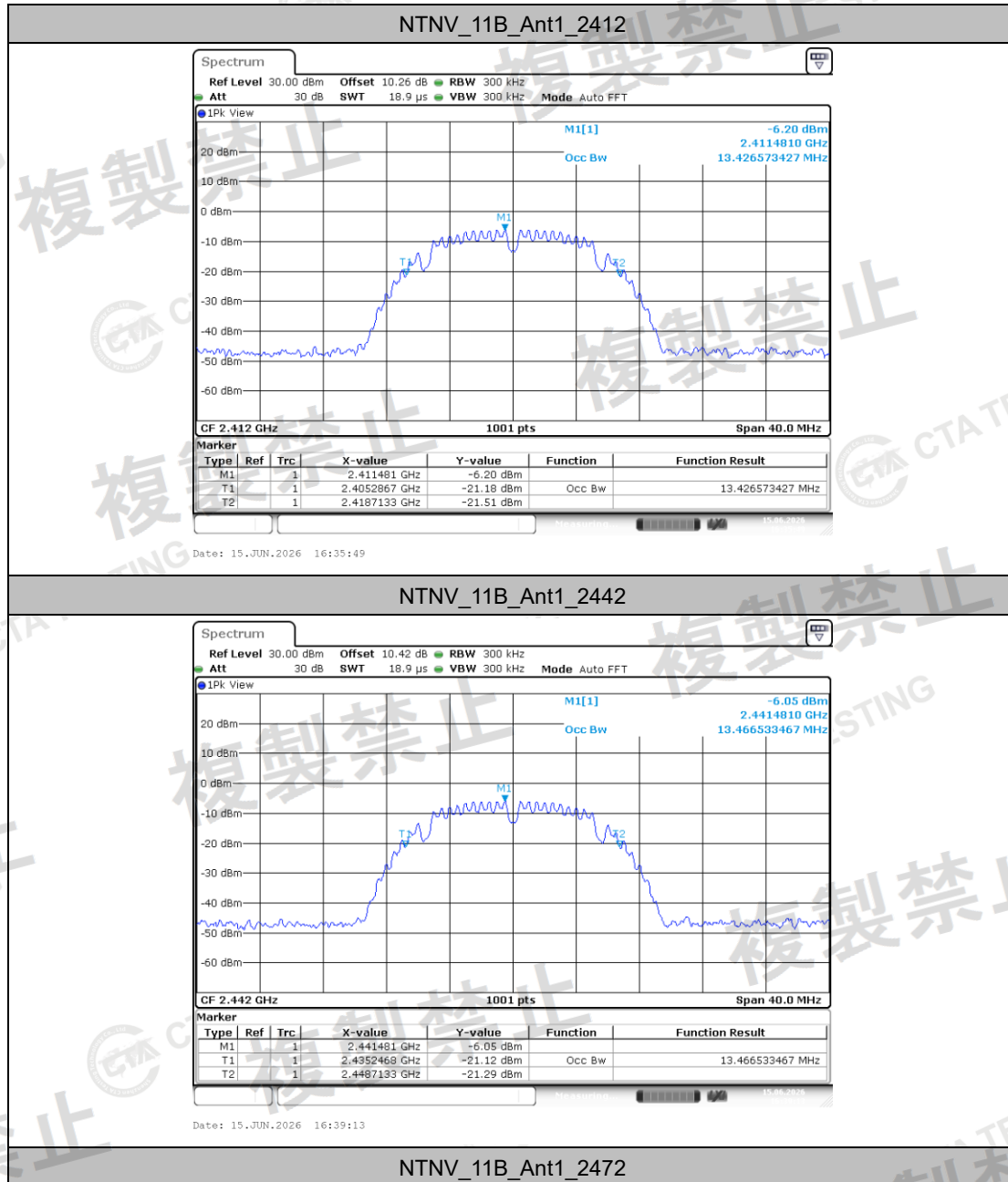
TestCondition	TestMode	Antenna	Freq(MHz)	Result [MHz]	Limit [MHz]	Verdict
NTNV	11B	Ant1	2412	13.427	≤26	PASS
			2442	13.467	≤26	PASS
			2472	13.387	≤26	PASS
	11G	Ant1	2412	16.623	≤26	PASS
			2442	16.583	≤26	PASS
			2472	16.464	≤26	PASS
	11N20SI SO	Ant1	2412	17.742	≤26	PASS
			2442	17.742	≤26	PASS
			2472	17.662	≤26	PASS



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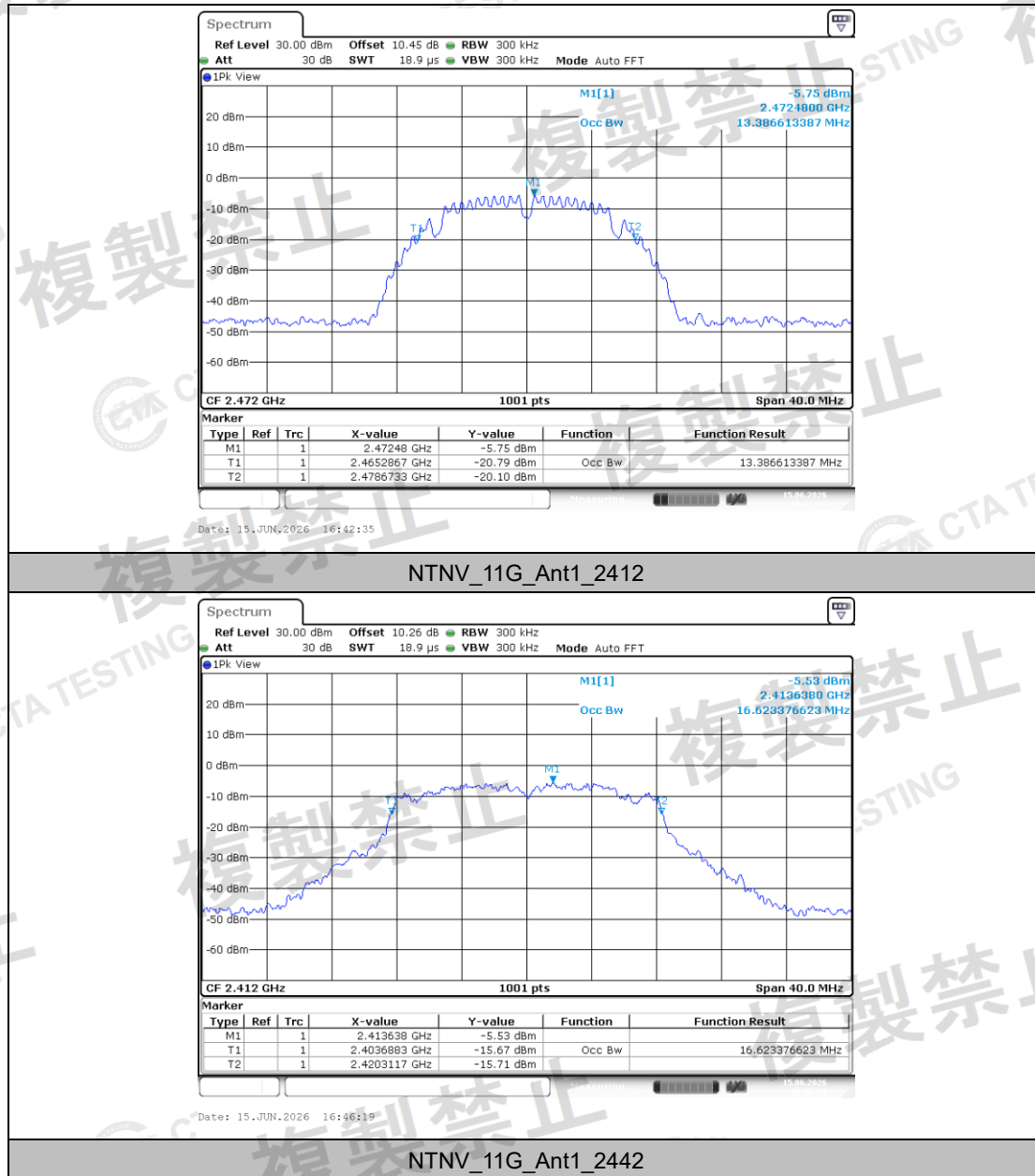
Test Graphs





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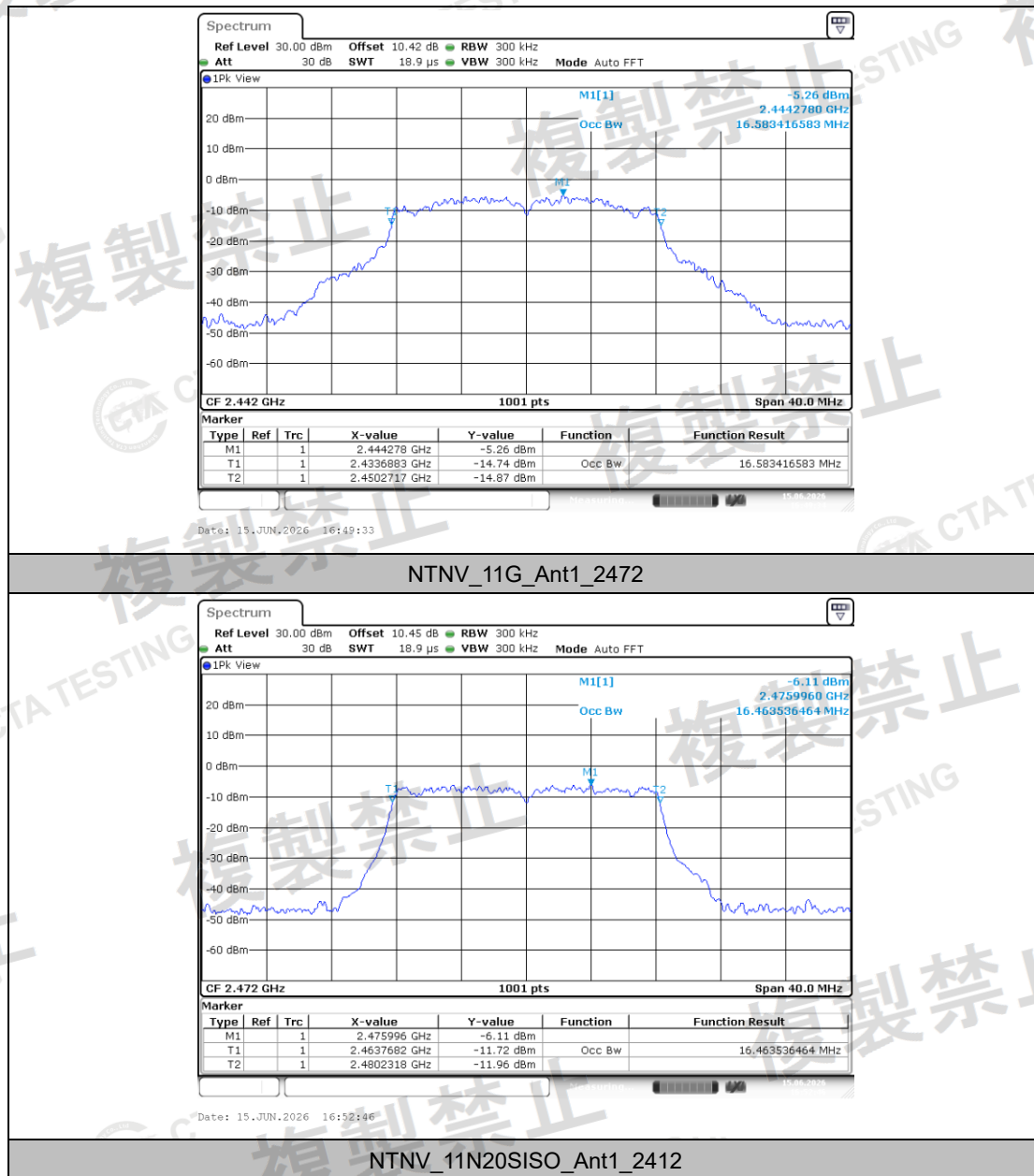
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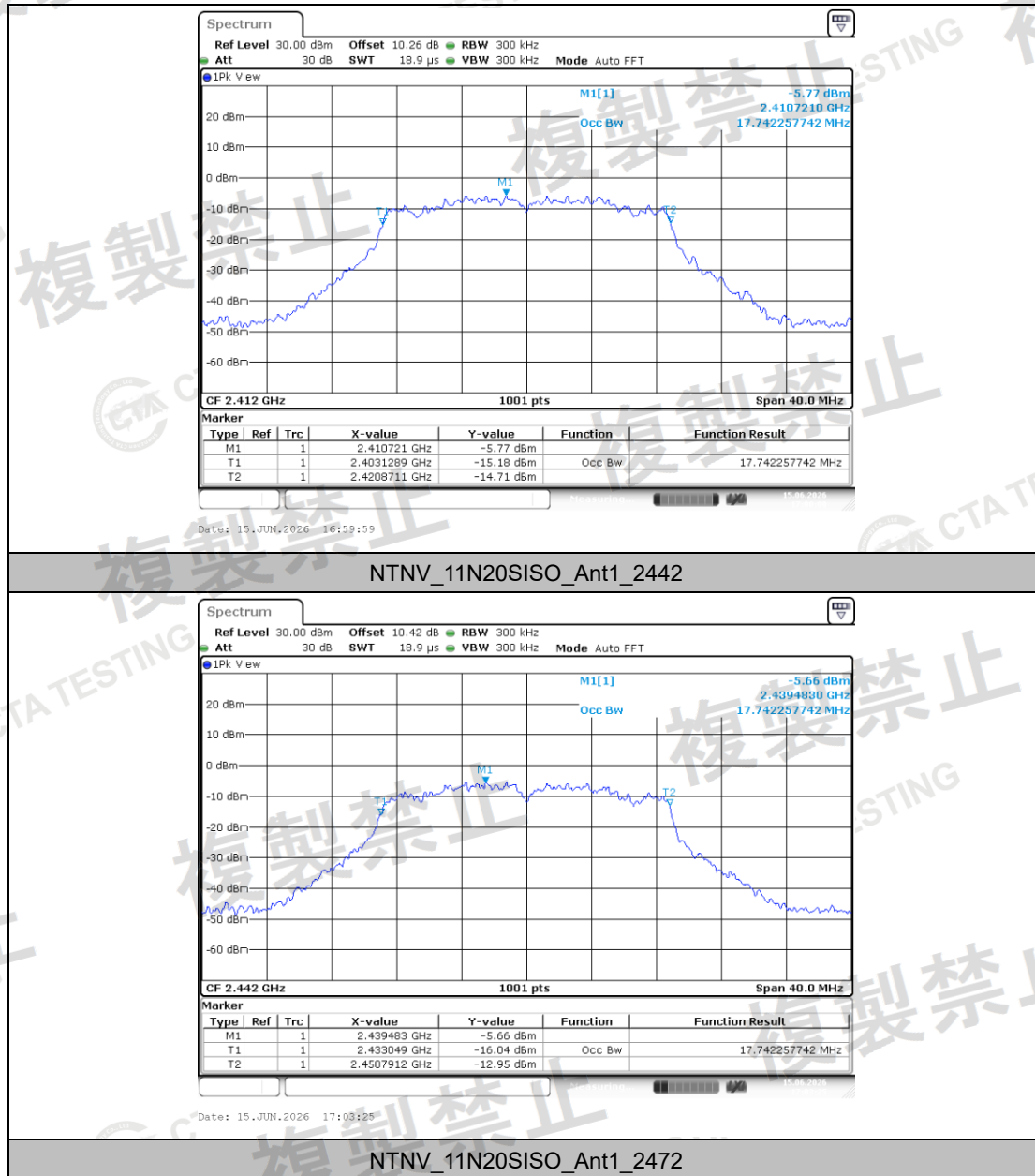
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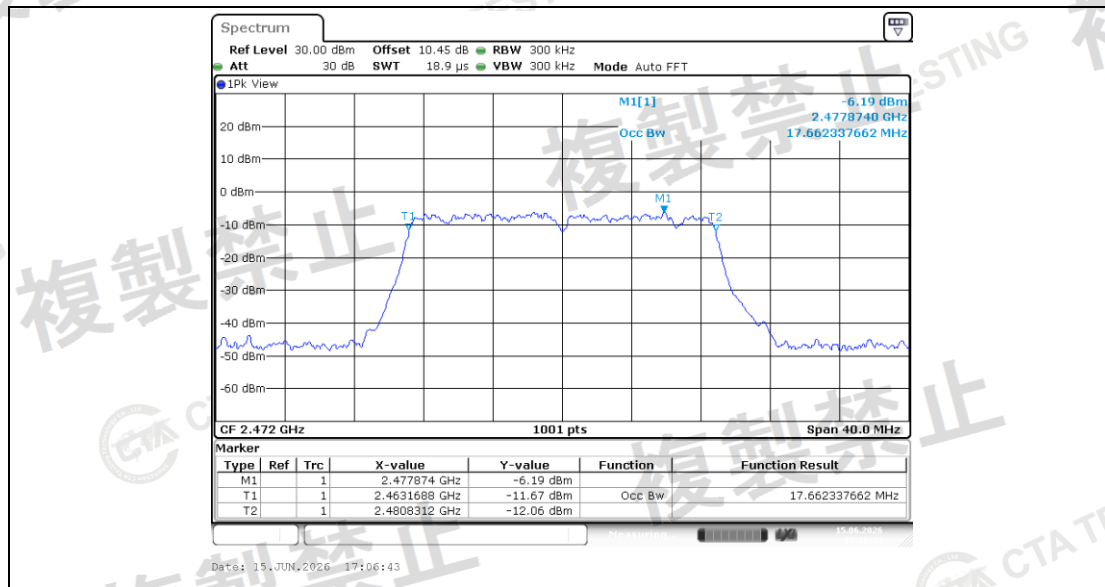
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Appendix C: Spread Bandwidth

Test Result

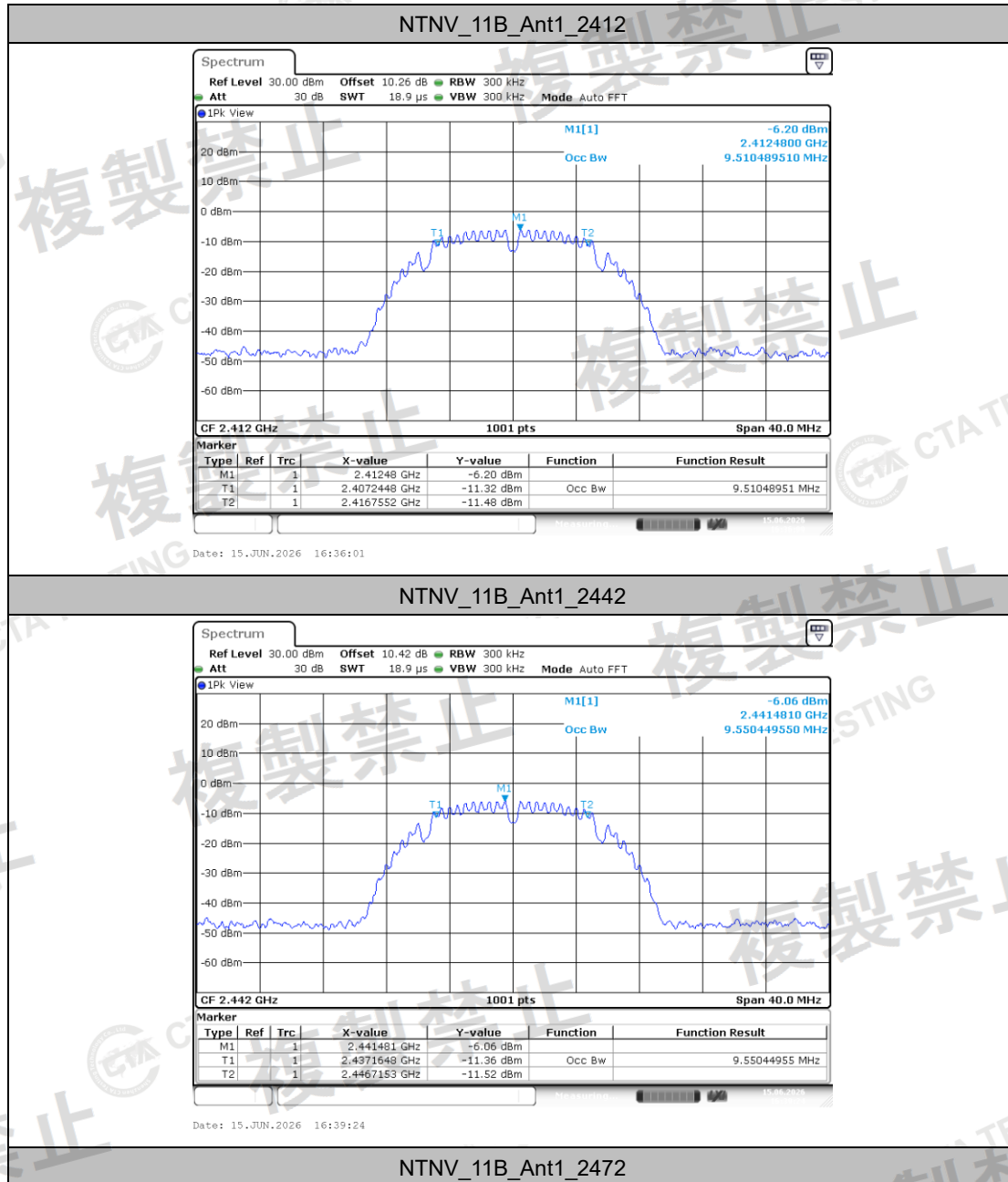
TestCondition	TestMode	Antenna	Freq(MHz)	Result [MHz]	Limit [MHz]	Spread Factor	Limit	Verdict
NTNV	11B	Ant1	2412	9.511	≥ 0.5	6.917	>5	PASS
			2442	9.550	≥ 0.5	6.945	>5	PASS
			2472	9.511	≥ 0.5	6.917	>5	PASS
	11G	Ant1	2412	13.626	≥ 0.5	---	---	PASS
			2442	13.866	≥ 0.5	---	---	PASS
			2472	14.785	≥ 0.5	---	---	PASS
	11N20SI SO	Ant1	2412	14.905	≥ 0.5	---	---	PASS
			2442	15.065	≥ 0.5	---	---	PASS
			2472	15.664	≥ 0.5	---	---	PASS



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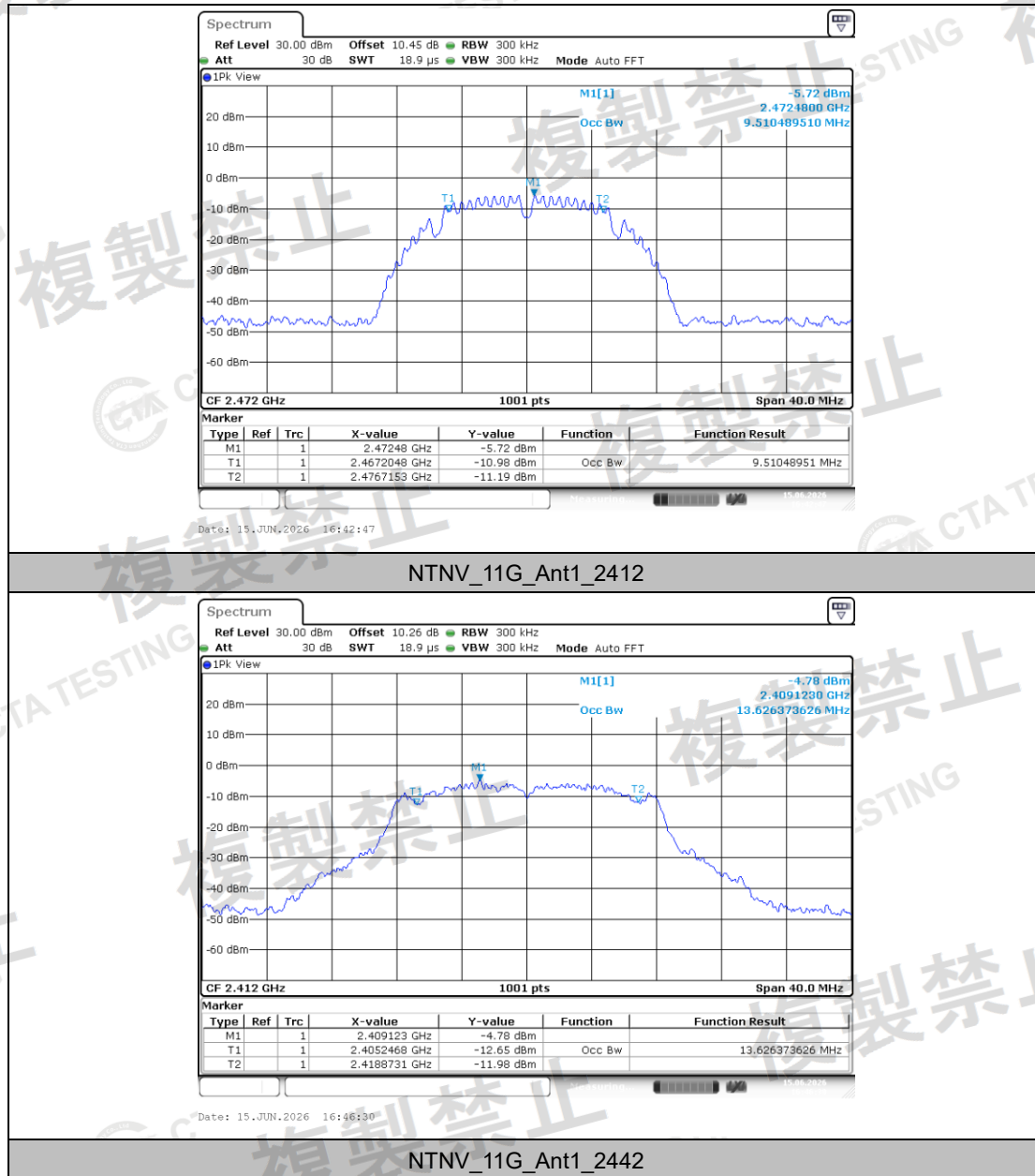
Test Graphs





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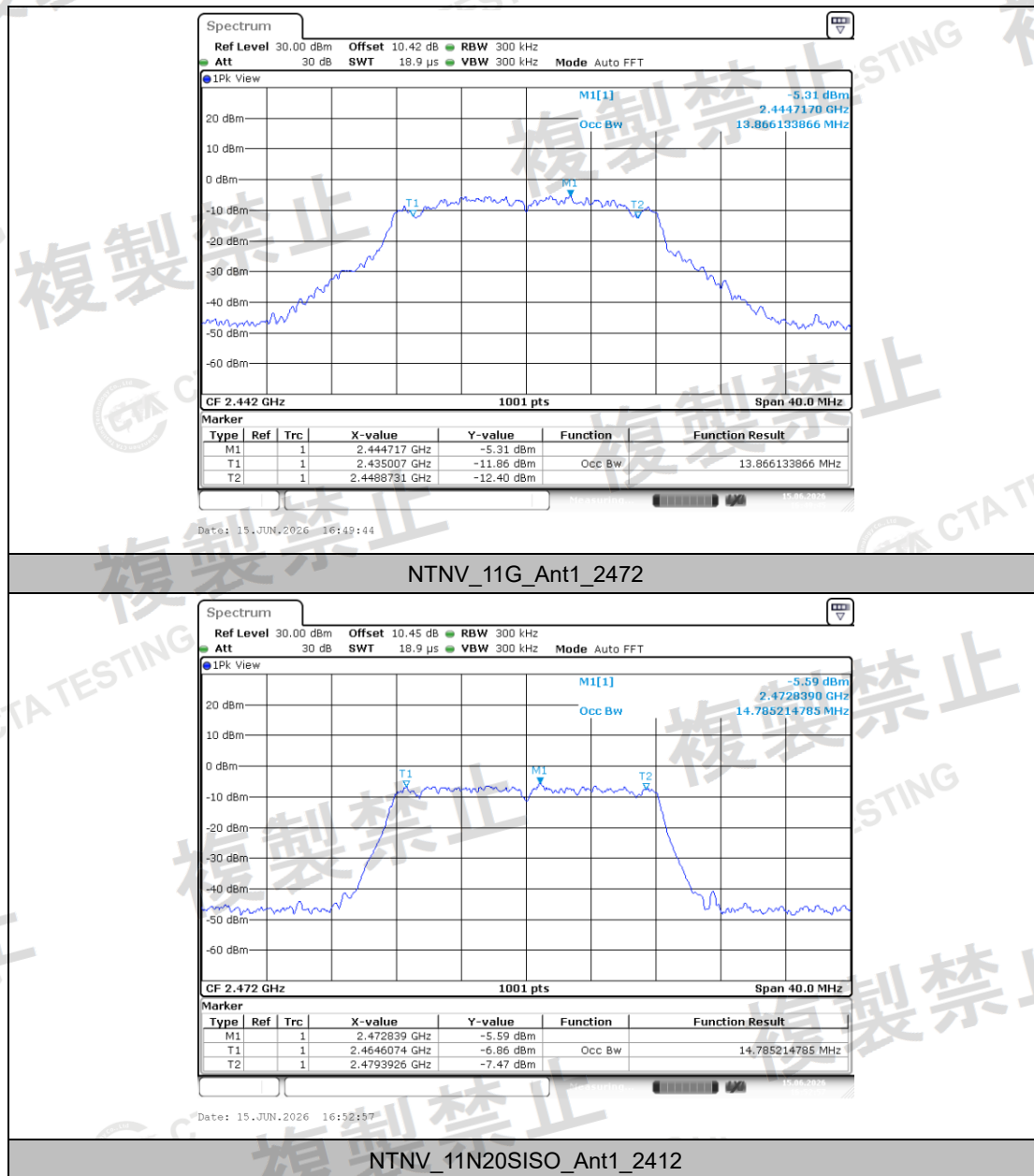
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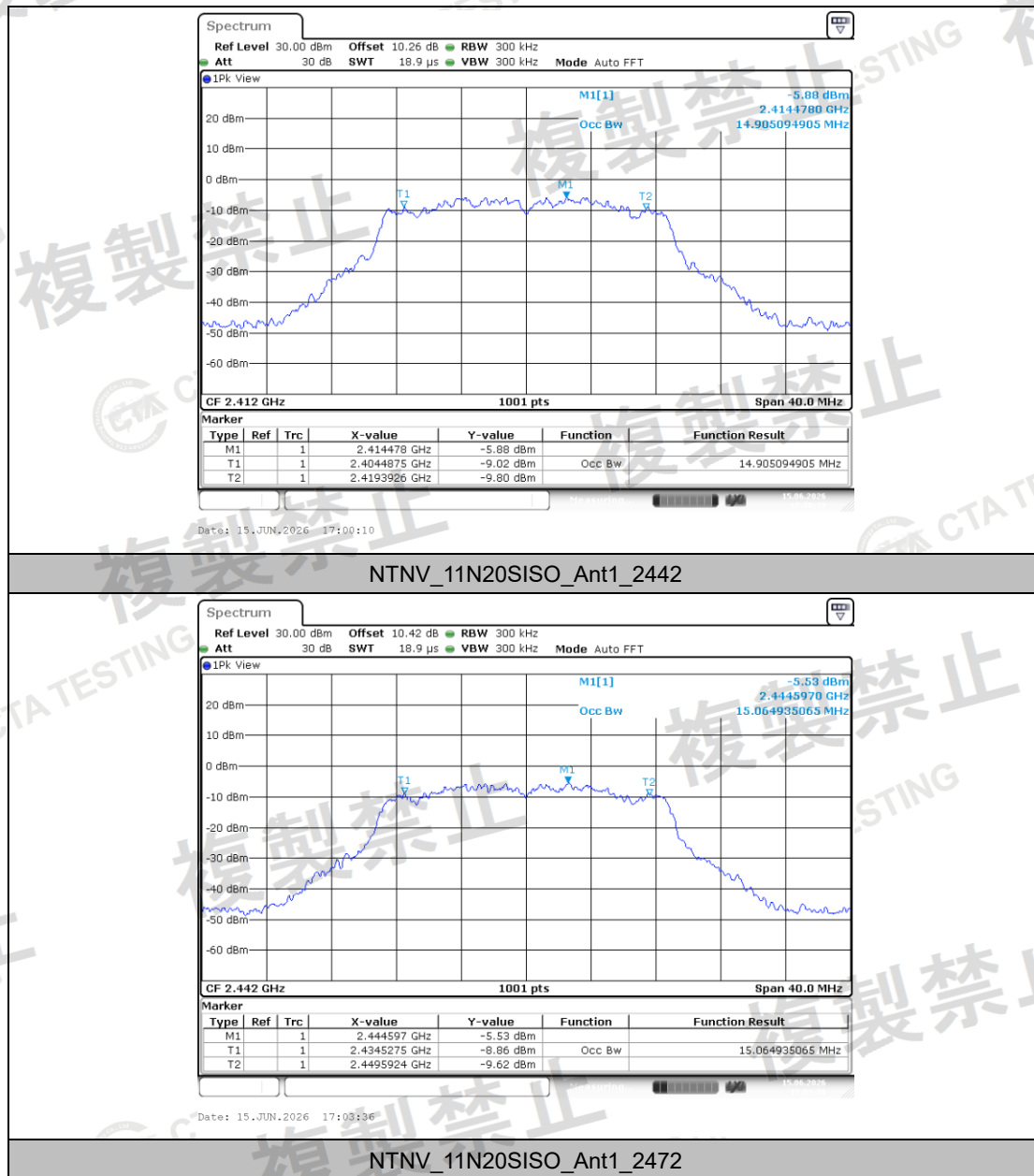
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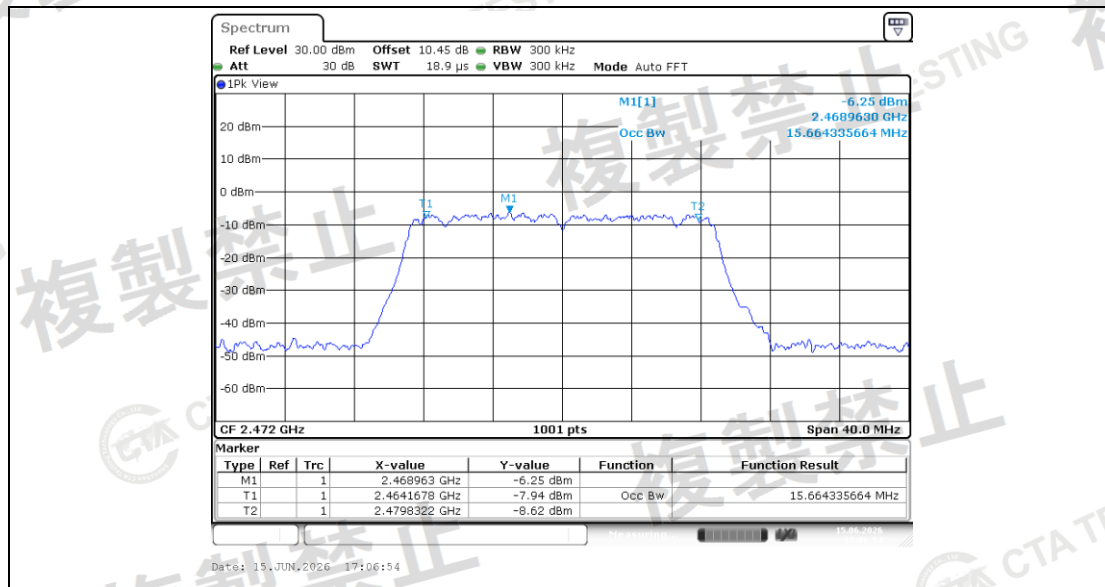
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Appendix D: Spurious Emission of TX

Test Result

TestCondition	TestMode	Antenna	Channel (MHz)	Freq.Range [MHz]	Freq (MHz)	Result [dBm]	Limit [dBm]	Result [μW]	Limit [μW]	Verdict
NTNV	11B	Ant1	2412	30~1000	238.31	-53.99	≤-26	0.00399	≤2.5	PASS
				1000~2387	2375.5 6	-53.21	≤-26	0.00478	≤2.5	PASS
				2387~2400	2398.6 0	-43.01	≤-16	0.05000	≤25	PASS
				2483.5~2496.5	2485.1 6	-43.09	≤-16	0.04909	≤25	PASS
				2496.5~13000	6853.3 5	-44.05	≤-26	0.03936	≤2.5	PASS
			2442	30~1000	876.81	-54.15	≤-26	0.00385	≤2.5	PASS
				1000~2387	2378.3 3	-53.30	≤-26	0.00468	≤2.5	PASS
				2387~2400	2389.5 3	-43.74	≤-16	0.04227	≤25	PASS
				2483.5~2496.5	2486.0 4	-43.59	≤-16	0.04375	≤25	PASS
				2496.5~13000	6879.6 1	-43.62	≤-26	0.04345	≤2.5	PASS
		Ant1	2472	30~1000	841.65	-54.95	≤-26	0.00320	≤2.5	PASS
				1000~2387	2206.3 4	-53.45	≤-26	0.00452	≤2.5	PASS
				2387~2400	2392.8 6	-44.28	≤-16	0.03733	≤25	PASS
				2483.5~2496.5	2486.8 9	-41.20	≤-16	0.07586	≤25	PASS
				2496.5~13000	6869.6 3	-43.75	≤-26	0.04217	≤2.5	PASS
	11G	Ant1	2412	30~1000	239.52	-54.75	≤-26	0.00335	≤2.5	PASS
				1000~2387	2381.4 5	-52.14	≤-26	0.00611	≤2.5	PASS
				2387~2400	2399.9 7	-23.06	≤-16	4.94311	≤25	PASS
				2483.5~2496.5	2487.6 4	-43.38	≤-16	0.04592	≤25	PASS
				2496.5~13000	6947.3	-43.48	≤-26	0.04487	≤2.5	PASS



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			2442		6						
				30~1000	240.01	-55.12	≤-26	0.00308	≤2.5	PASS	
				1000~2387	1595.3 7	-54.07	≤-26	0.00392	≤2.5	PASS	
				2387~2400	2395.3 6	-43.87	≤-16	0.04102	≤25	PASS	
				2483.5~2496.5	2494.7 3	-43.51	≤-16	0.04457	≤25	PASS	
			2496.5~13000	6925.8 3	-43.95	≤-26	0.04027	≤2.5	PASS		
			2472	30~1000	220.61	-54.75	≤-26	0.00335	≤2.5	PASS	
				1000~2387	2368.2 8	-53.24	≤-26	0.00474	≤2.5	PASS	
				2387~2400	2388.3 1	-43.71	≤-16	0.04256	≤25	PASS	
				2483.5~2496.5	2483.5 1	-29.43	≤-16	1.14025	≤25	PASS	
	2496.5~13000	6984.6 5		-44.09	≤-26	0.03899	≤2.5	PASS			
	11N20SI SO	Ant1	2412	30~1000	238.79	-54.10	≤-26	0.00389	≤2.5	PASS	
				1000~2387	2355.1 0	-52.89	≤-26	0.00514	≤2.5	PASS	
				2387~2400	2399.9 3	-21.89	≤-16	6.47143	≤25	PASS	
				2483.5~2496.5	2485.4 0	-43.41	≤-16	0.04560	≤25	PASS	
				2496.5~13000	6936.8 5	-44.11	≤-26	0.03882	≤2.5	PASS	
			2442	30~1000	975.99	-54.85	≤-26	0.00327	≤2.5	PASS	
				1000~2387	2360.9 9	-54.02	≤-26	0.00396	≤2.5	PASS	
				2387~2400	2394.6 9	-43.51	≤-16	0.04457	≤25	PASS	
				2483.5~2496.5	2487.9 7	-43.26	≤-16	0.04721	≤25	PASS	
				2496.5~13000	6951.0 3	-42.79	≤-26	0.05260	≤2.5	PASS	
			2472	30~1000	816.19	-54.64	≤-26	0.00344	≤2.5	PASS	
				1000~2387	2146.3 6	-53.88	≤-26	0.00409	≤2.5	PASS	
				2387~2400	2393.9	-43.61	≤-16	0.04355	≤25	PASS	



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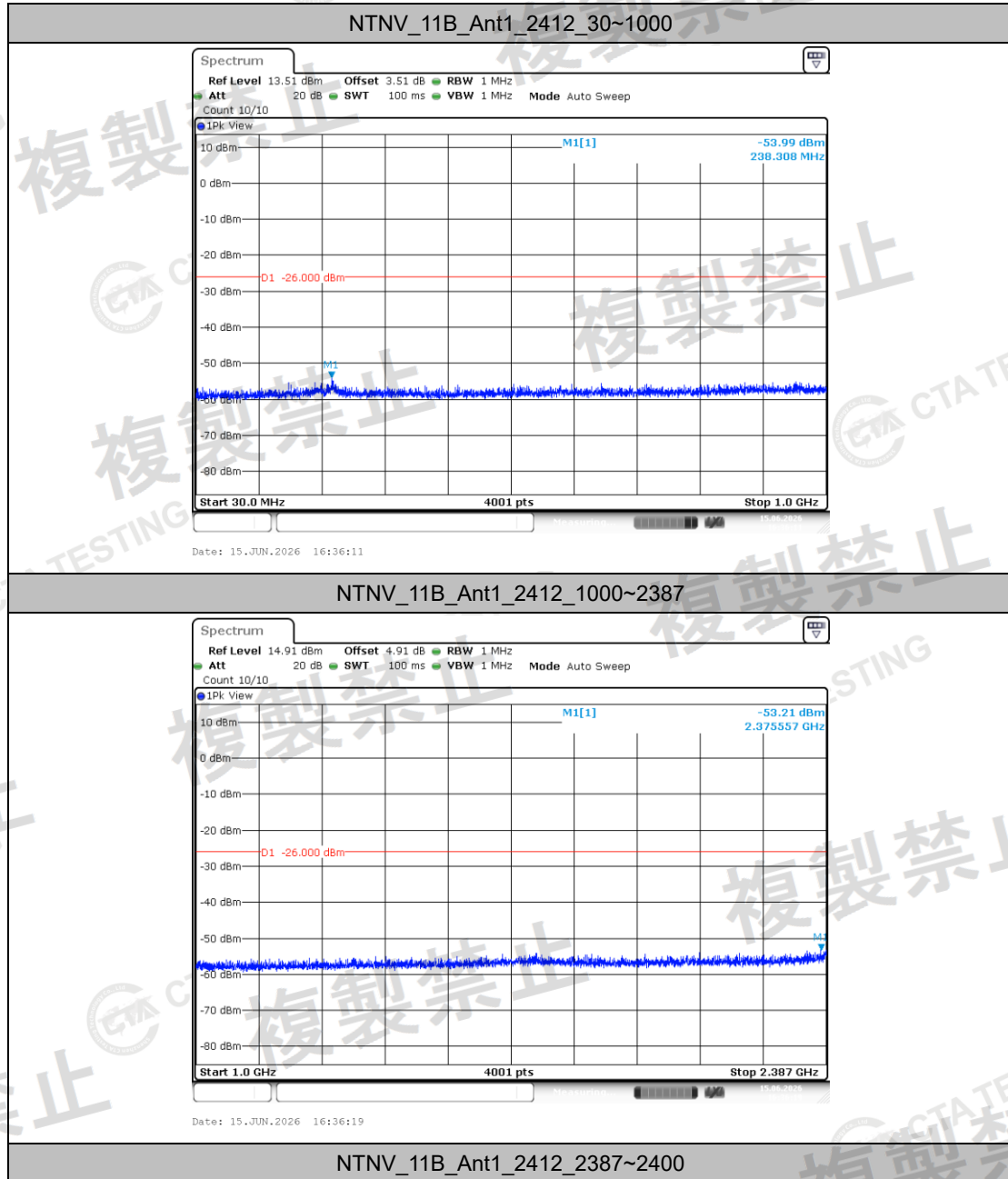
				2					
			2483.5~2496.5	2483.5 1	-29.61	≤-16	1.09396	≤25	PASS
			2496.5~13000	6960.4 9	-43.03	≤-26	0.04977	≤2.5	PASS



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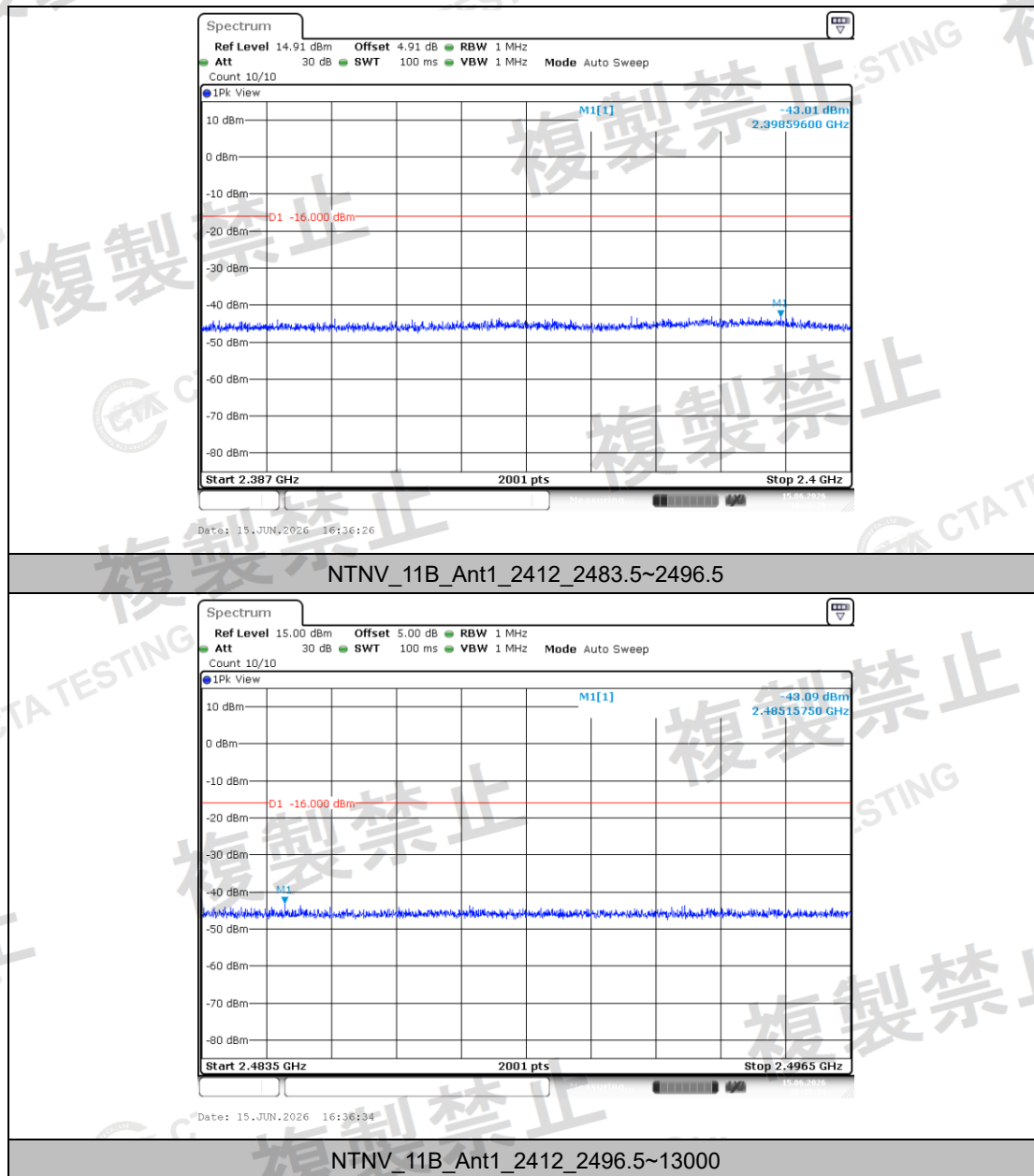
Test Graphs





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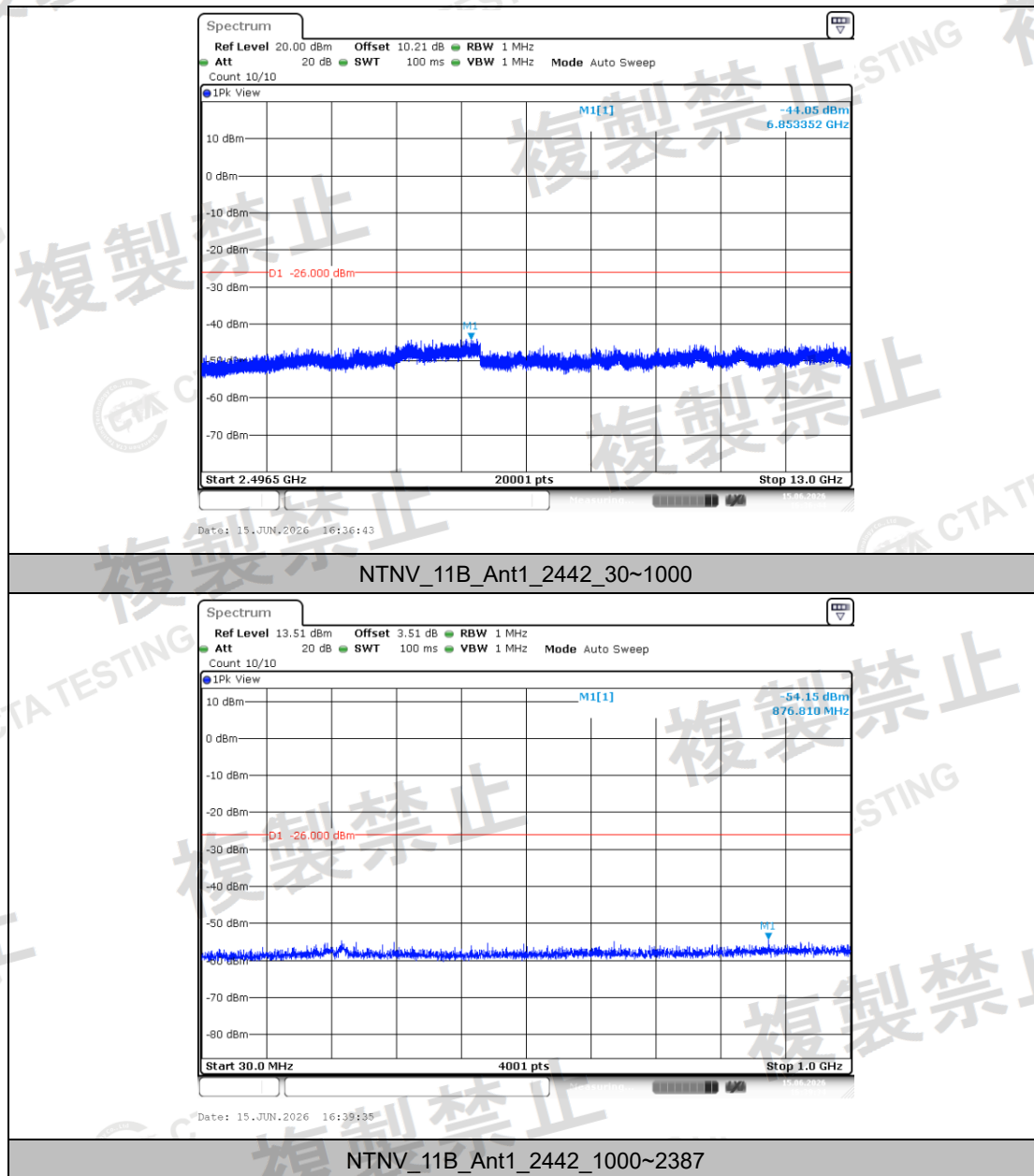
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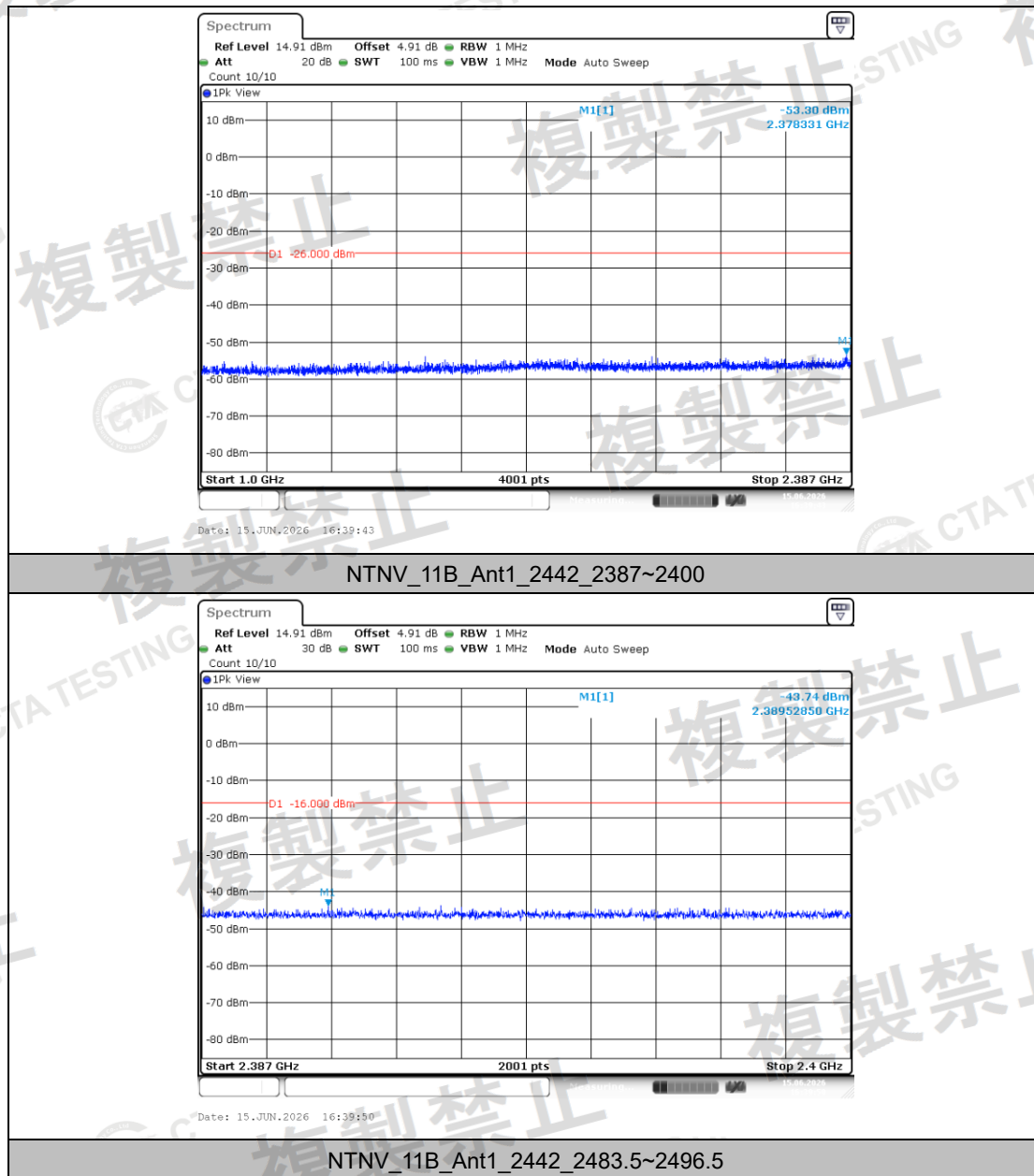
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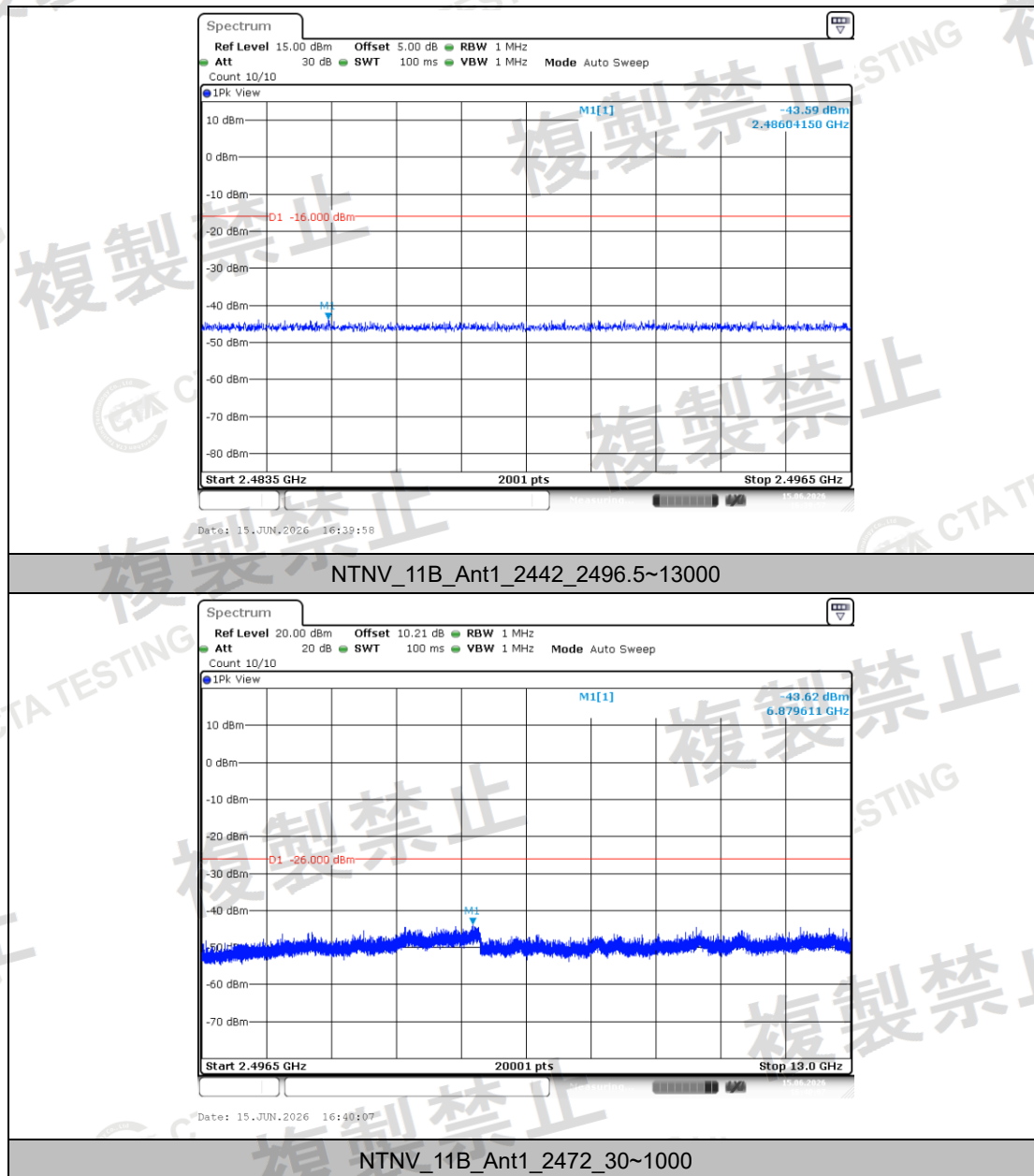
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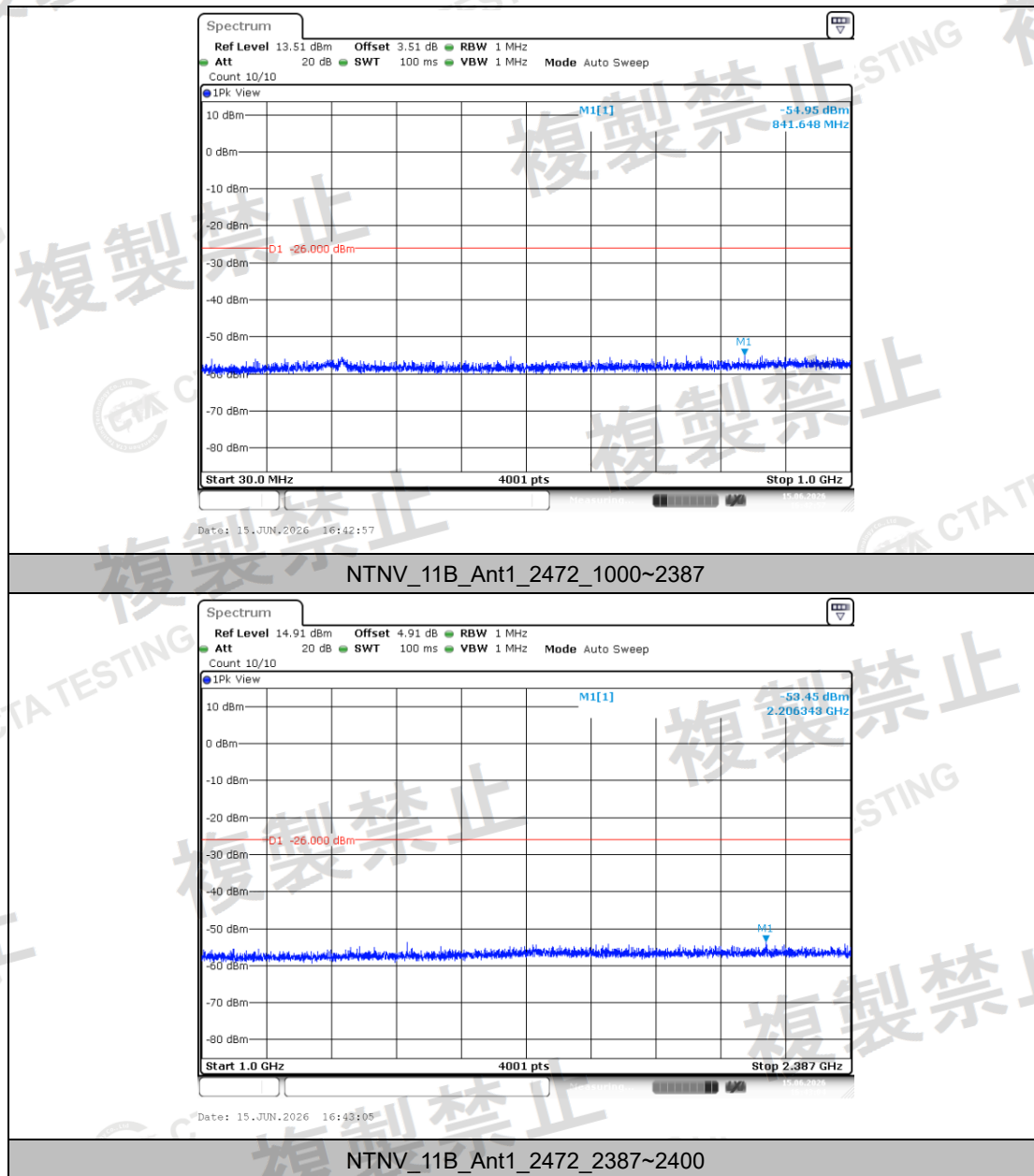
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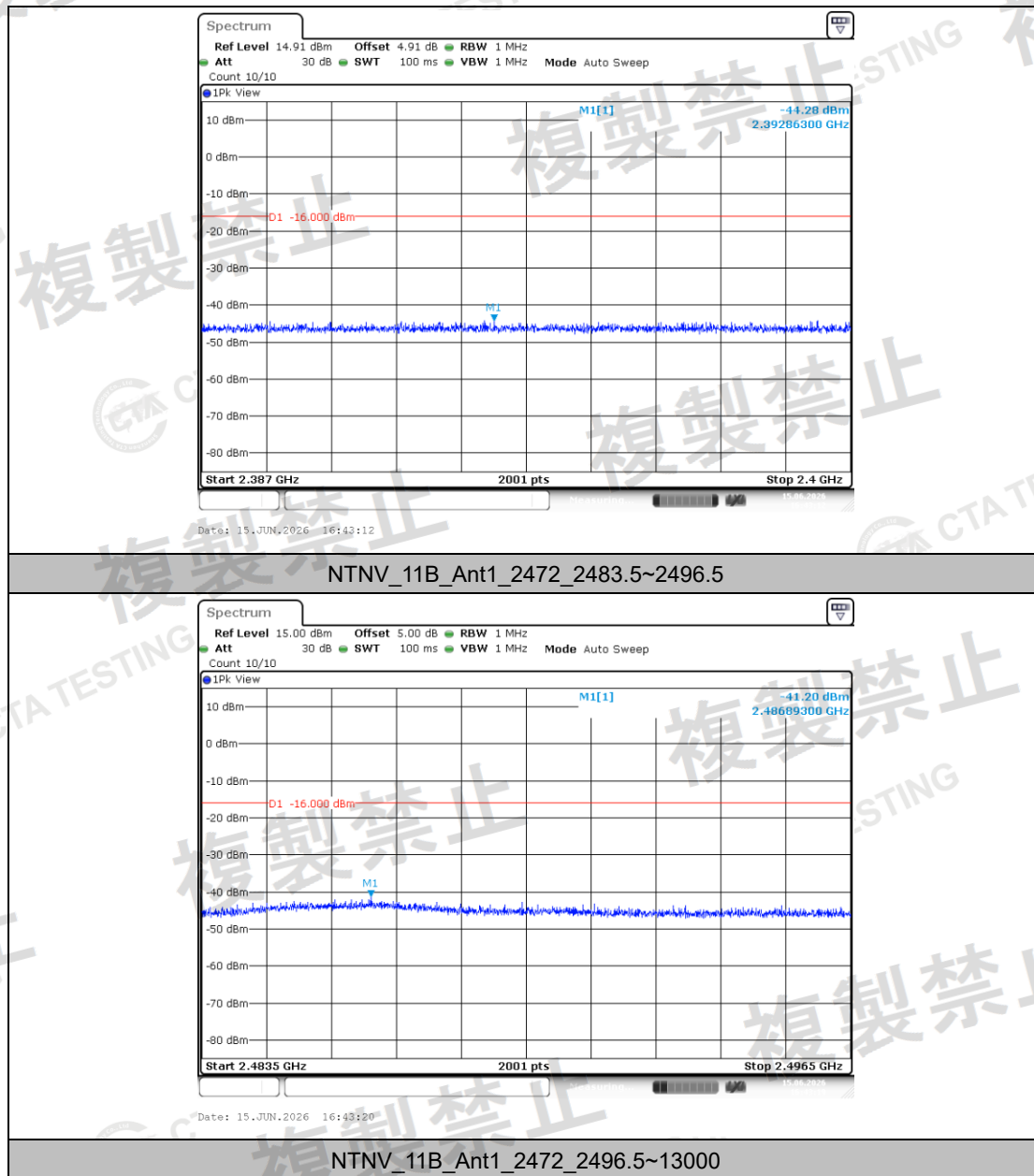
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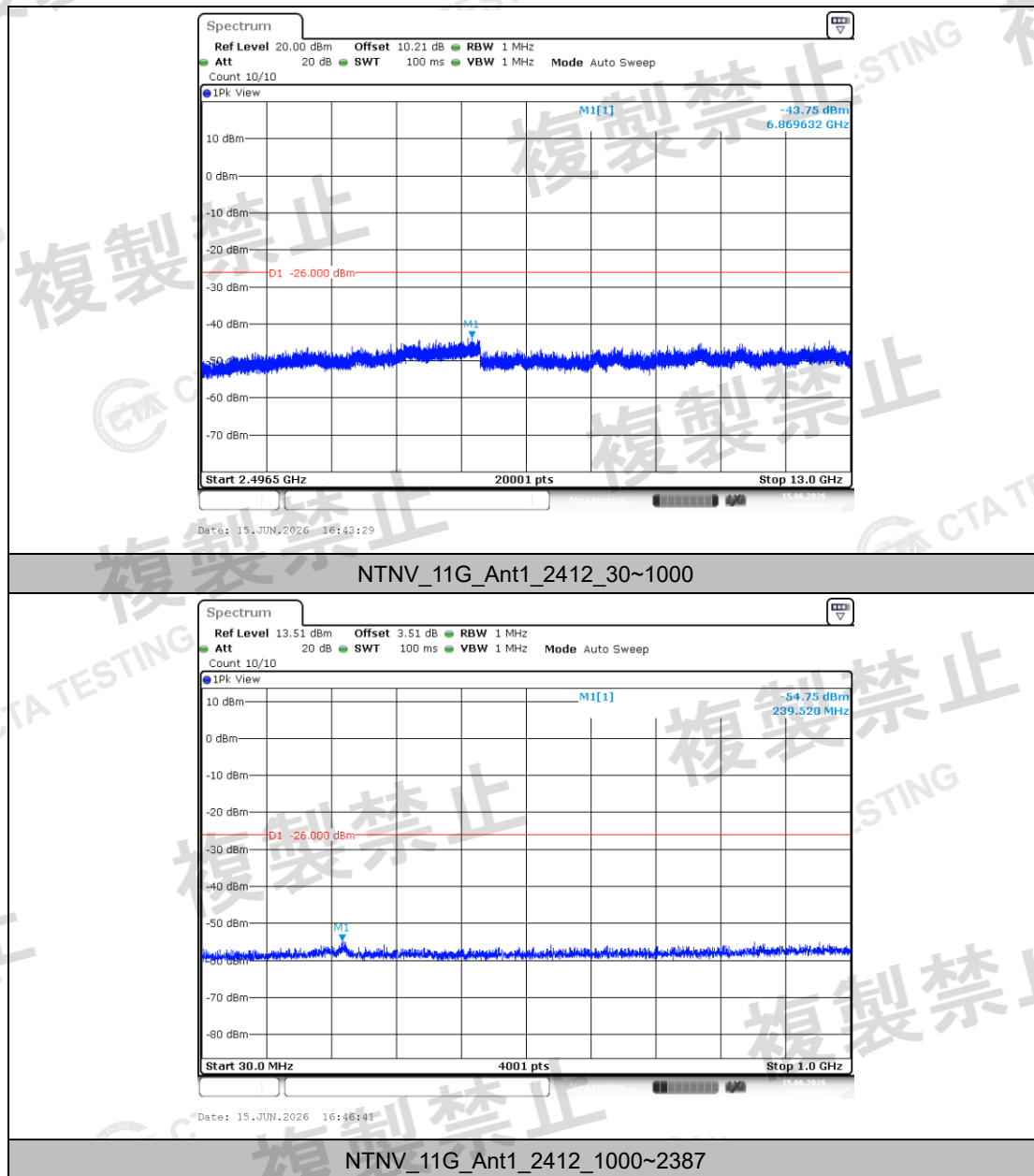
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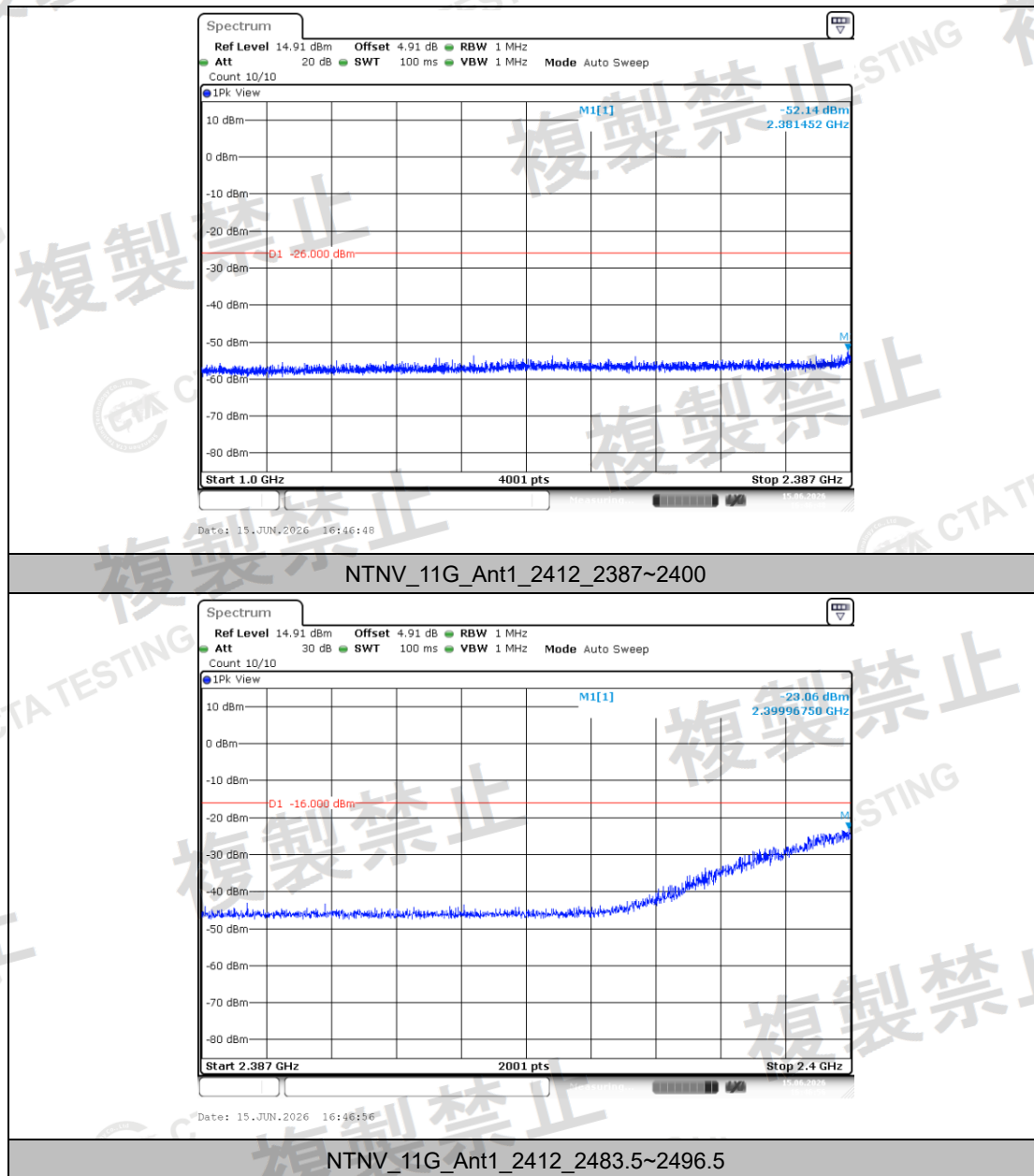
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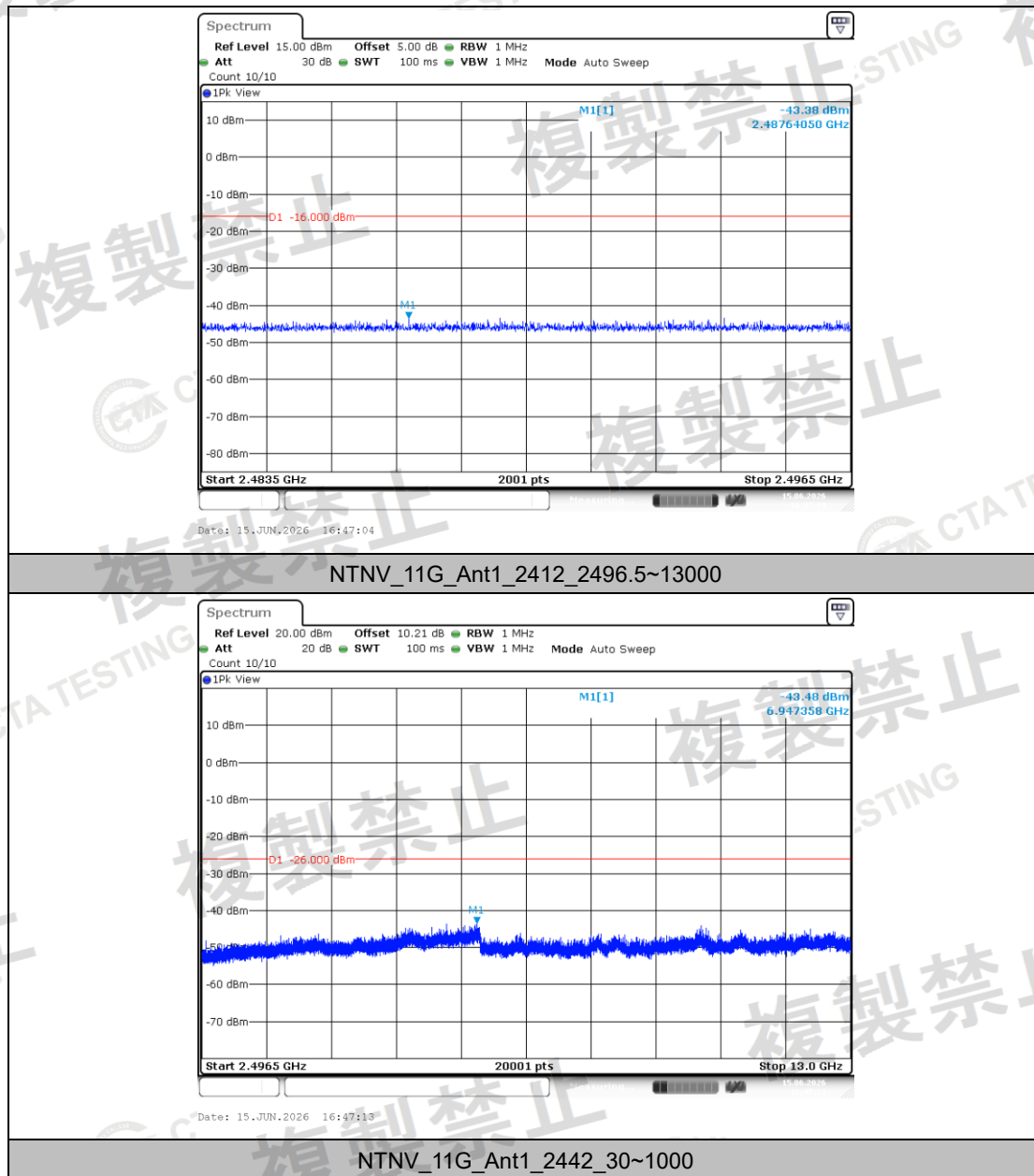
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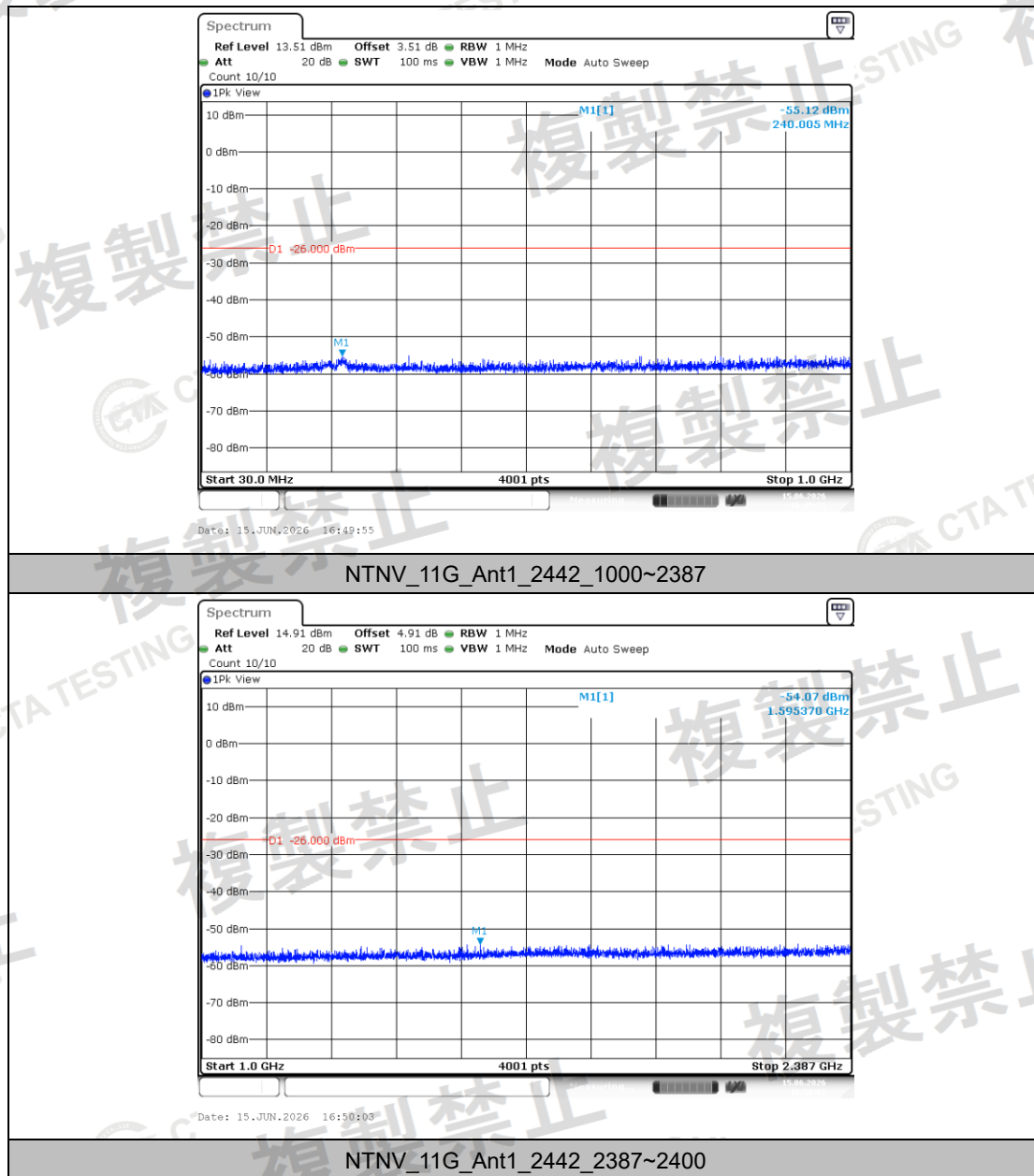
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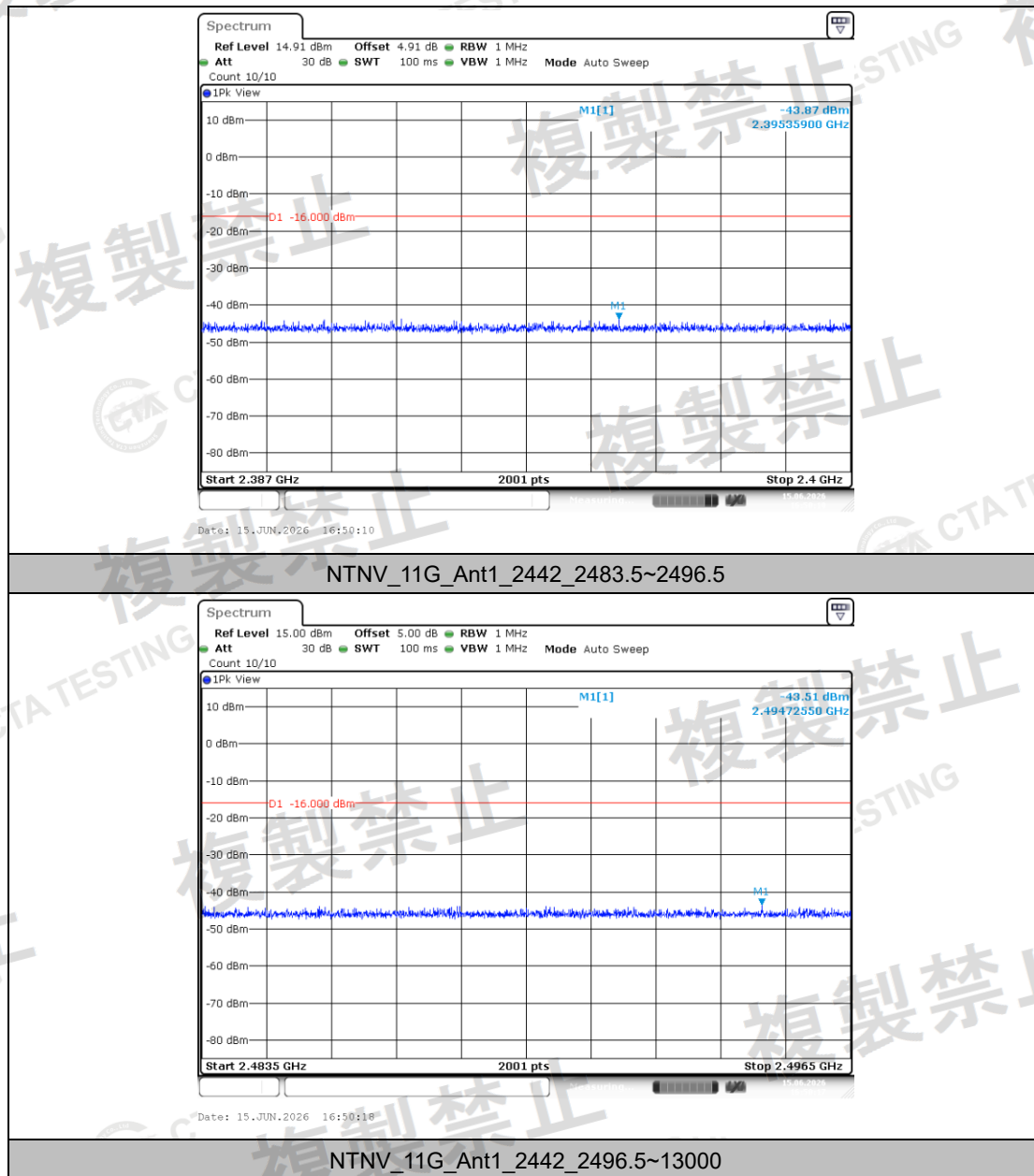
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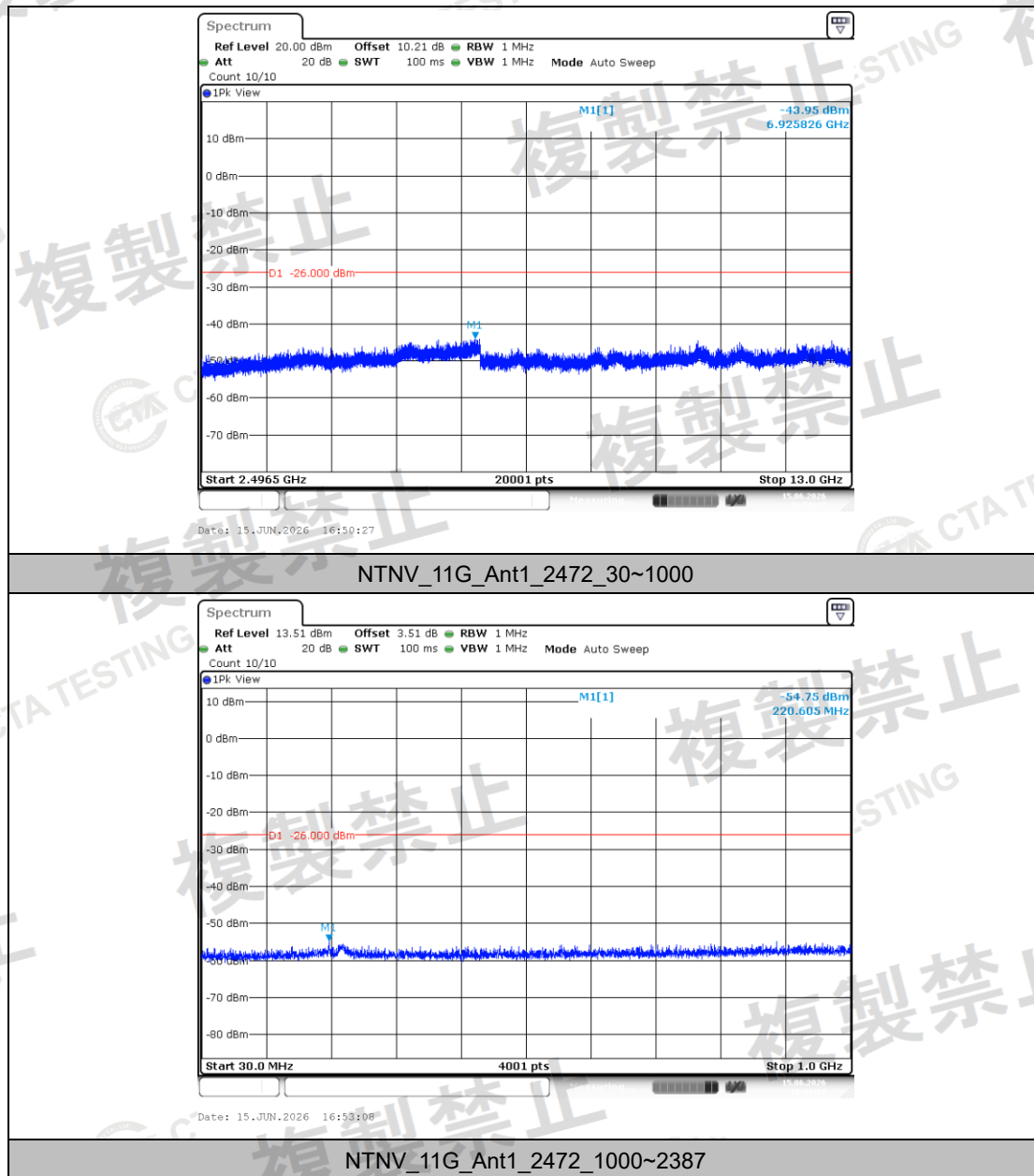
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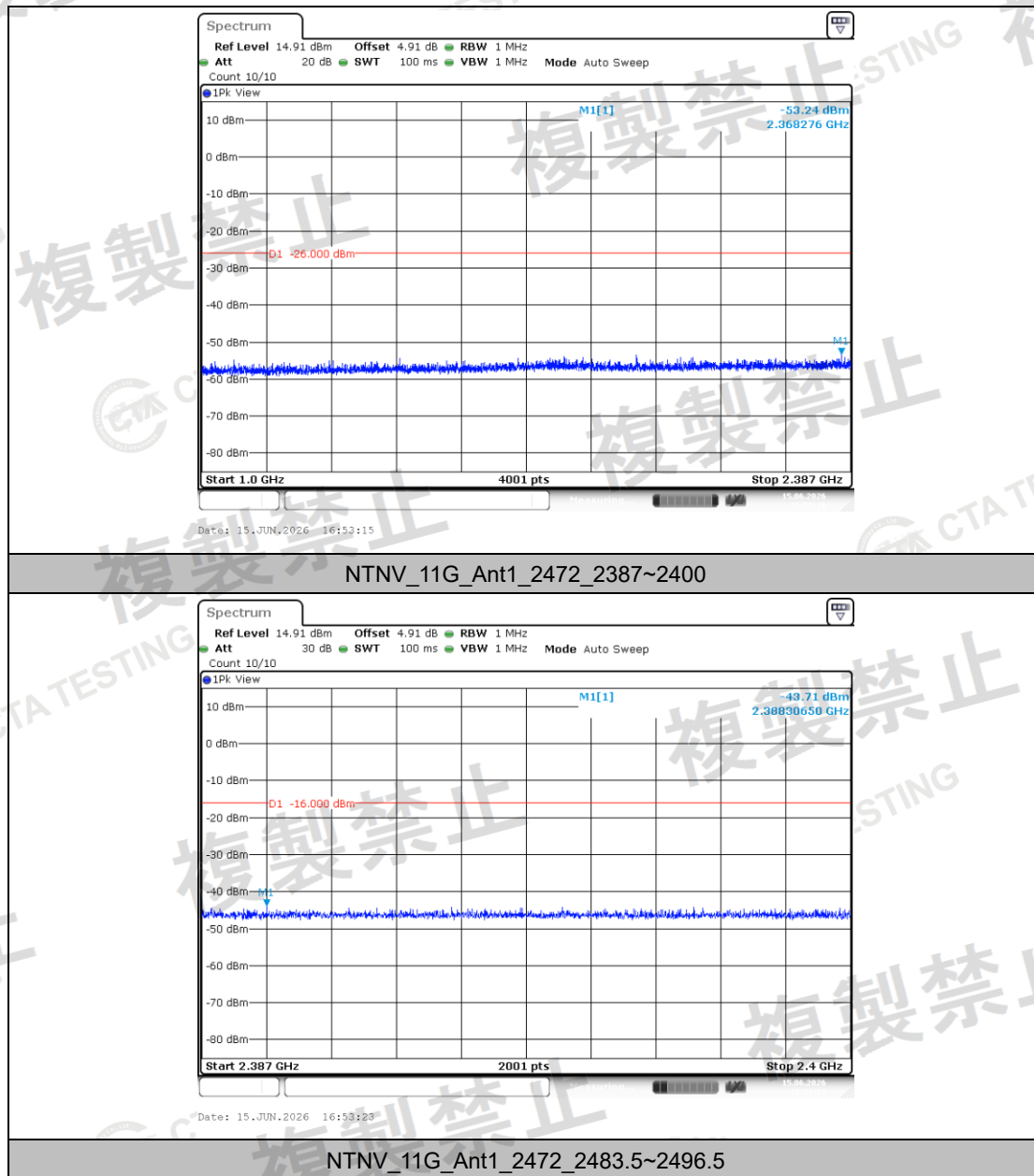
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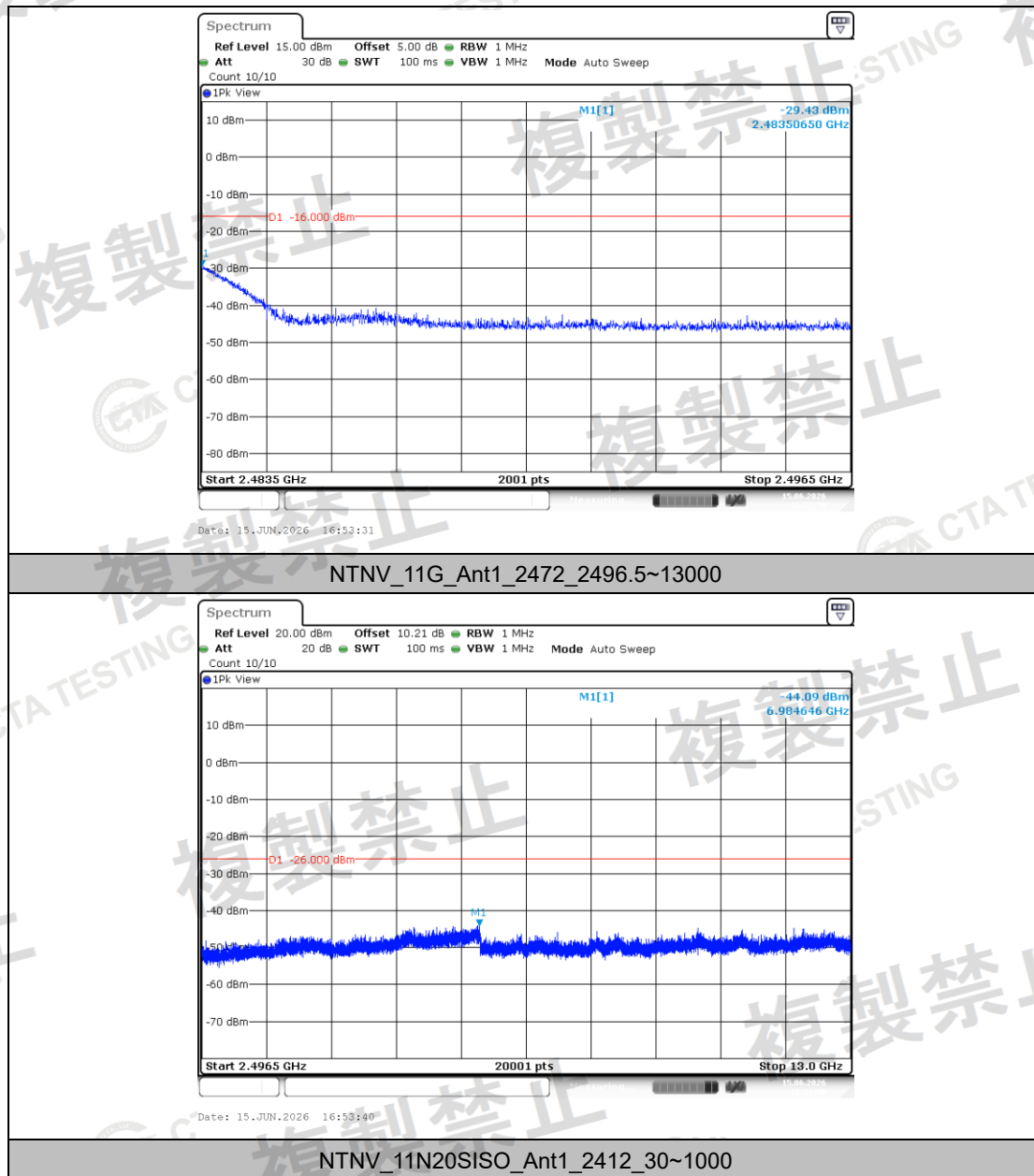
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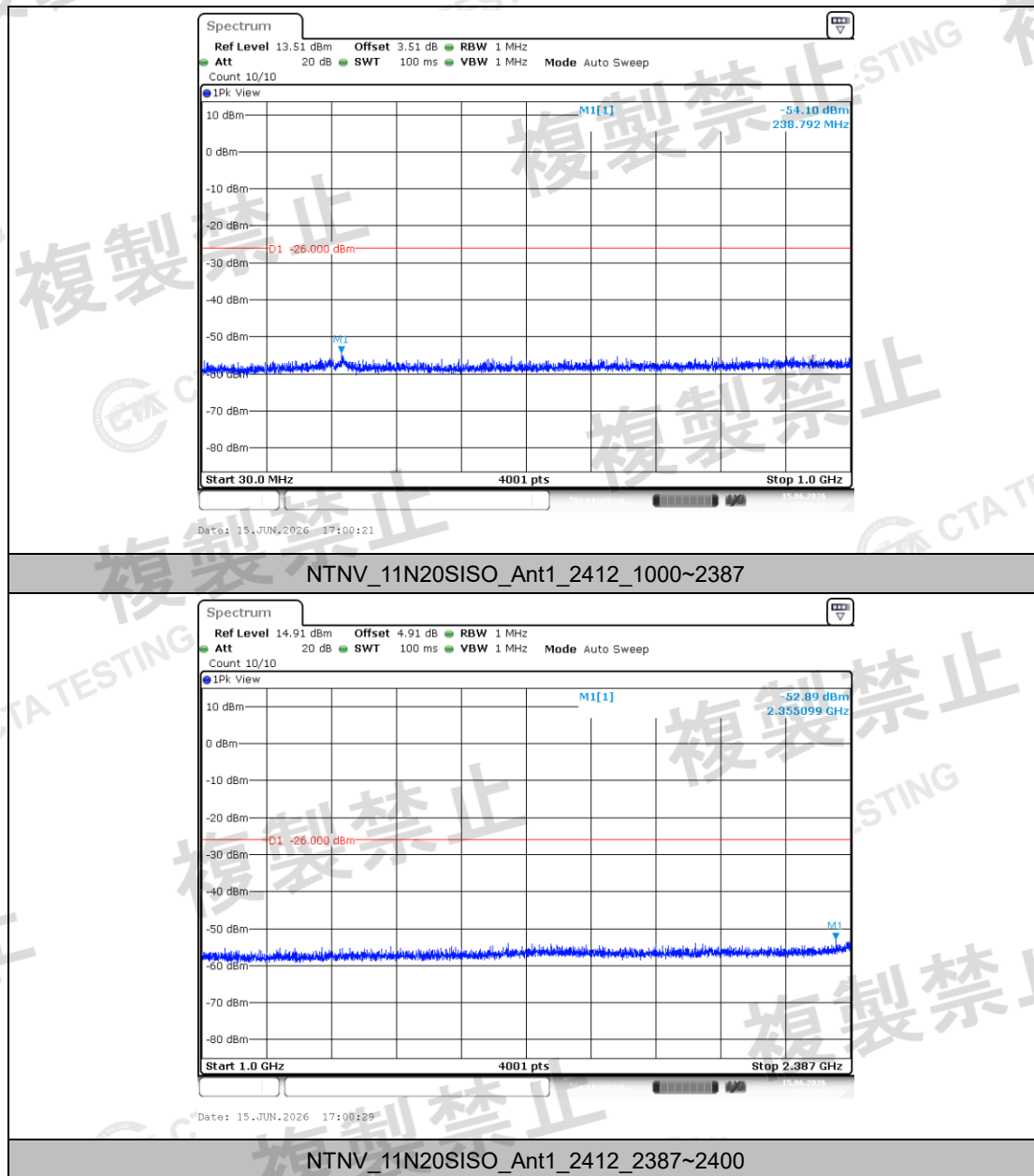
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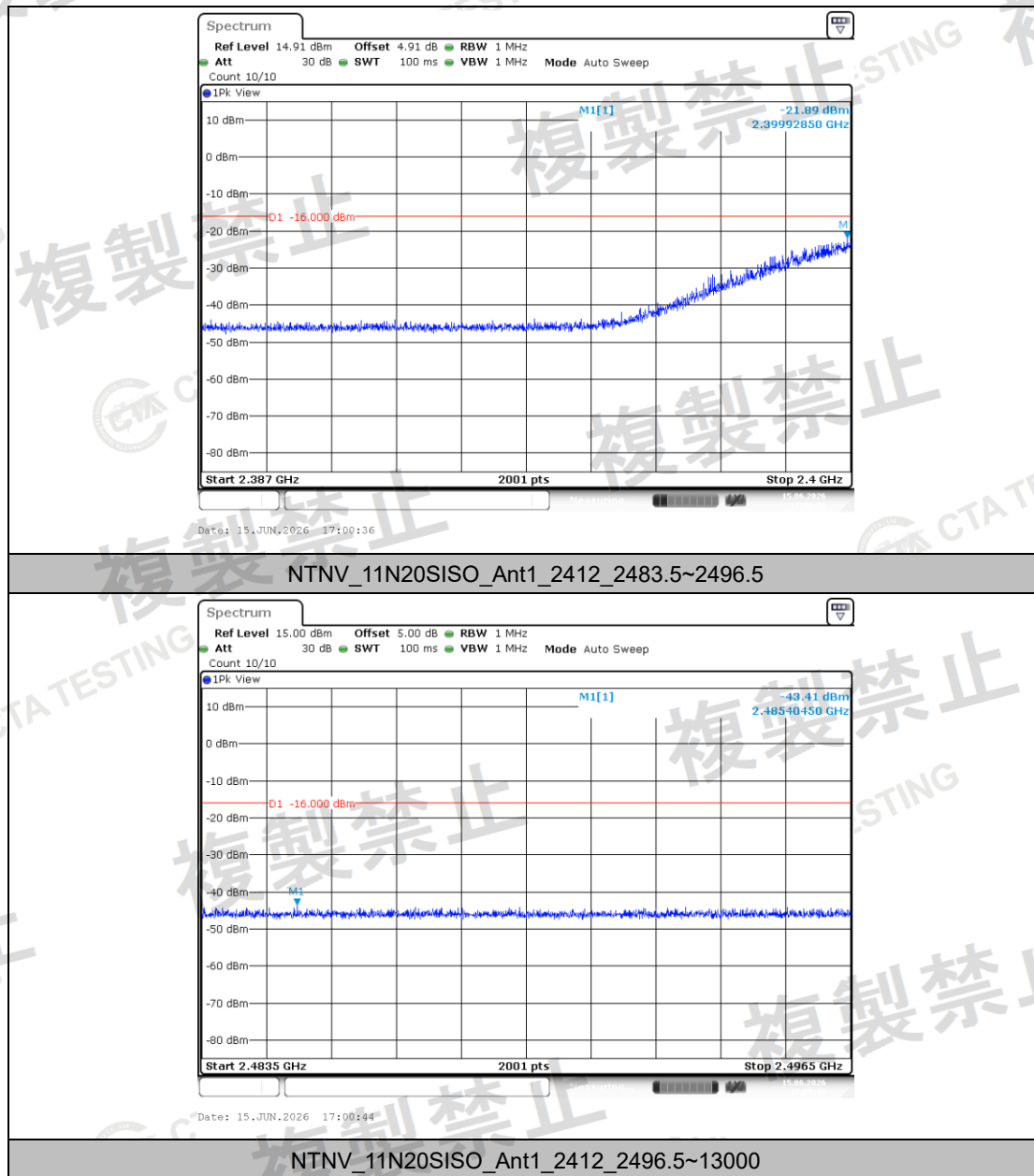
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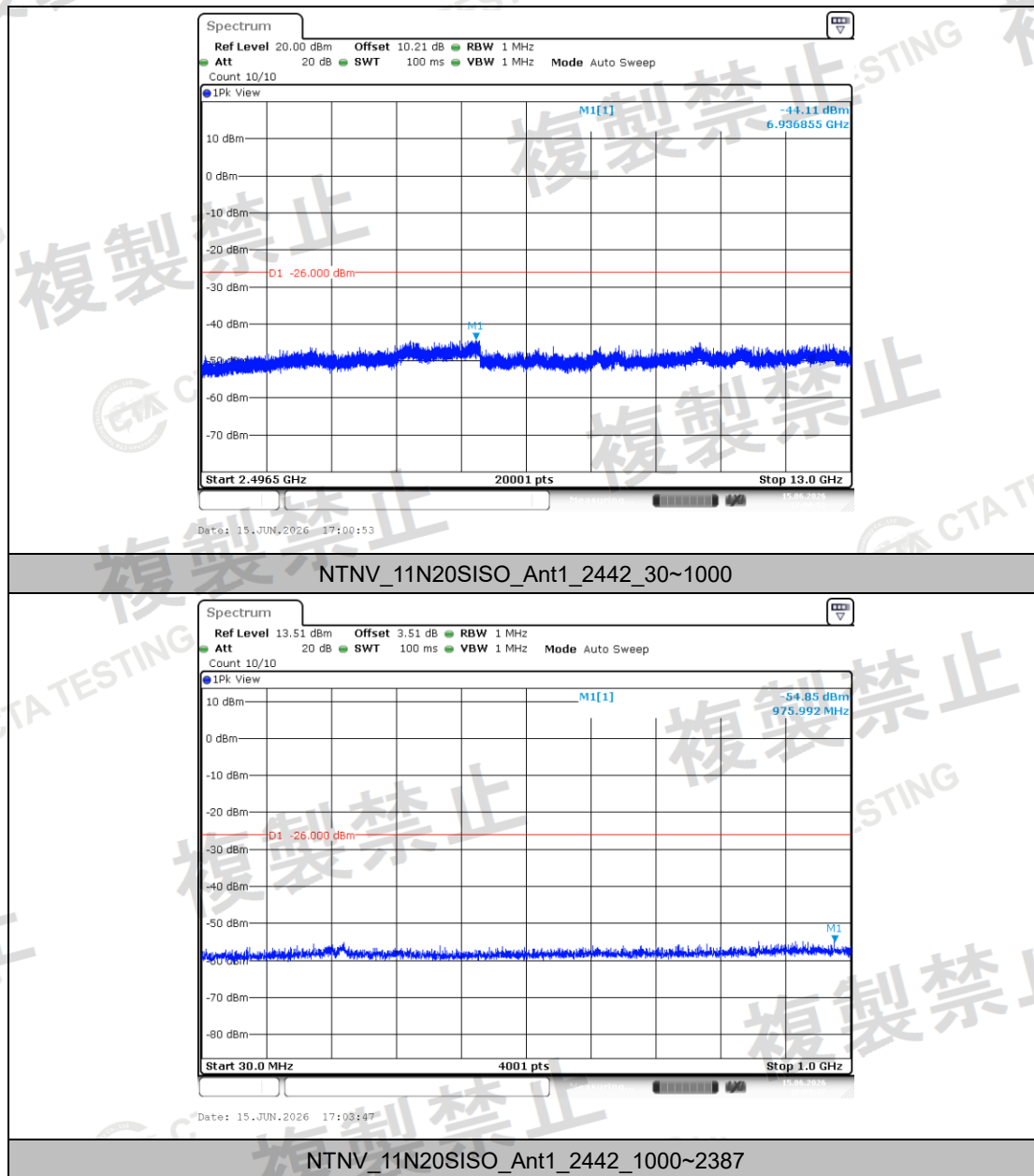
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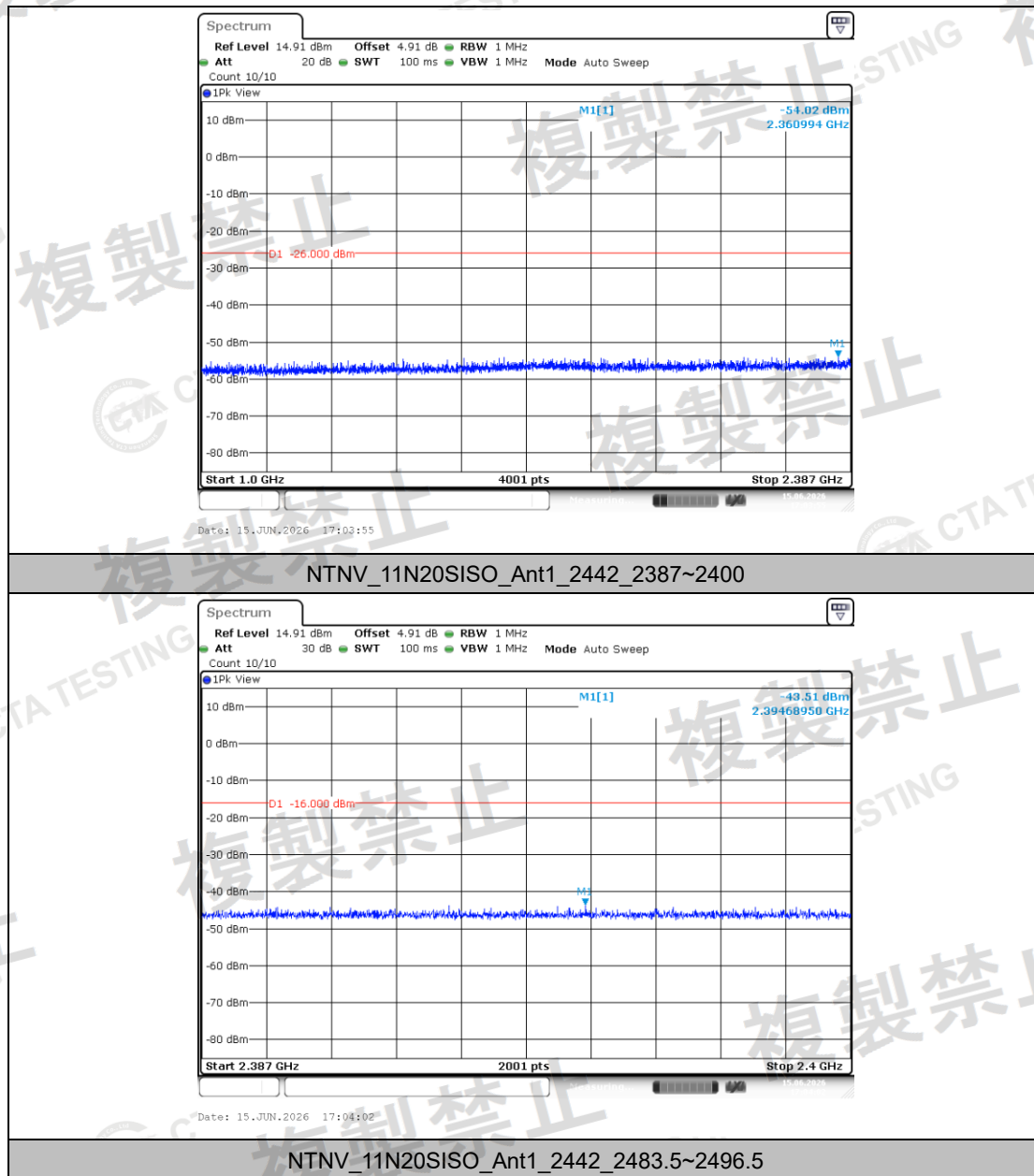
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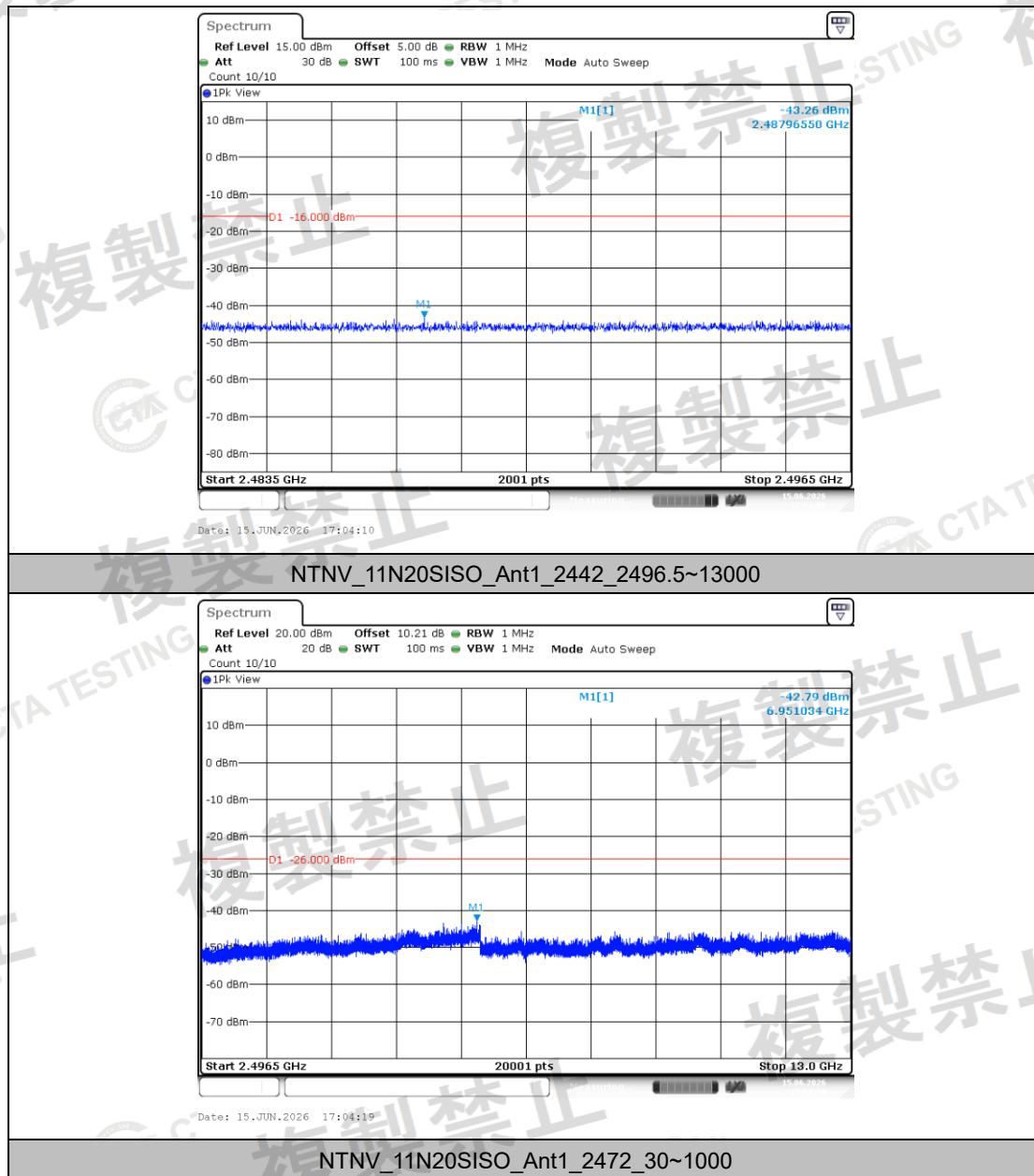
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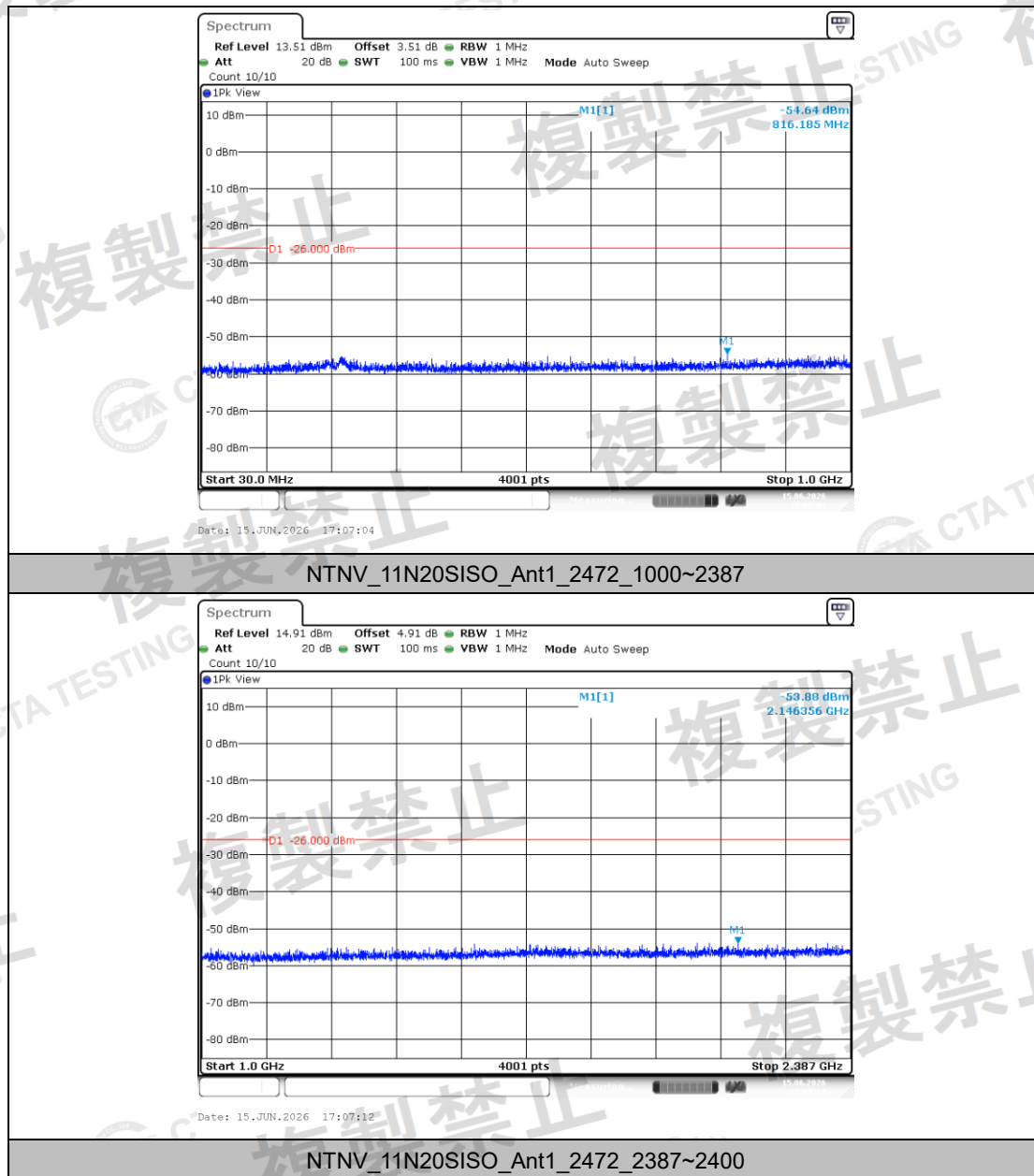
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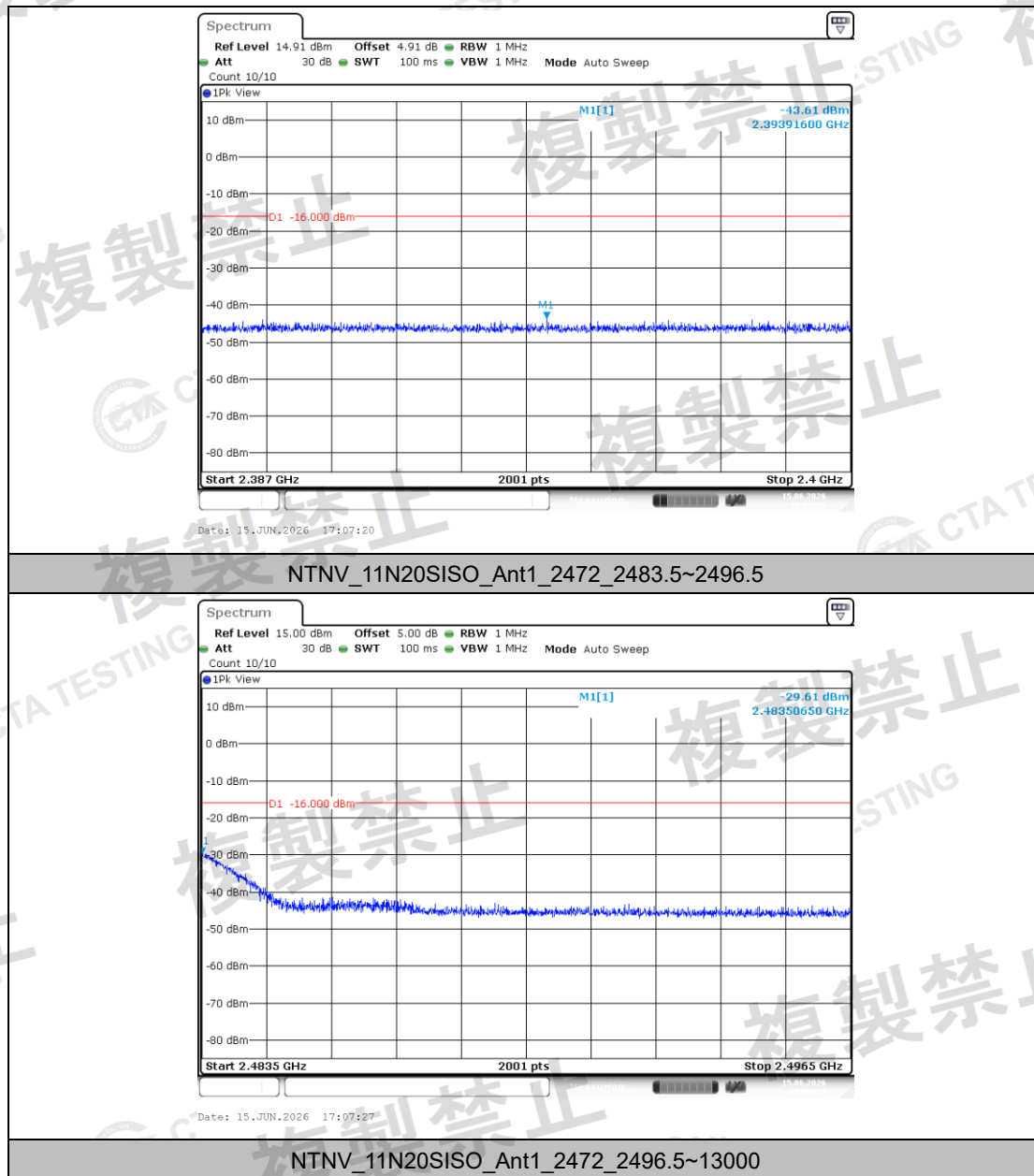
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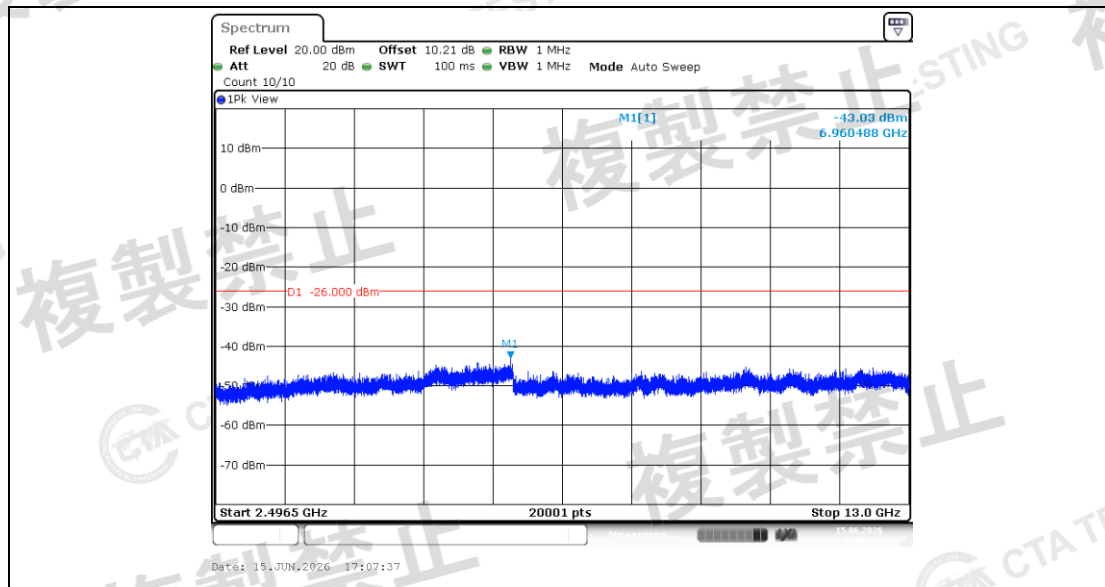
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Appendix E: Spurious Emission of RX

Test Result

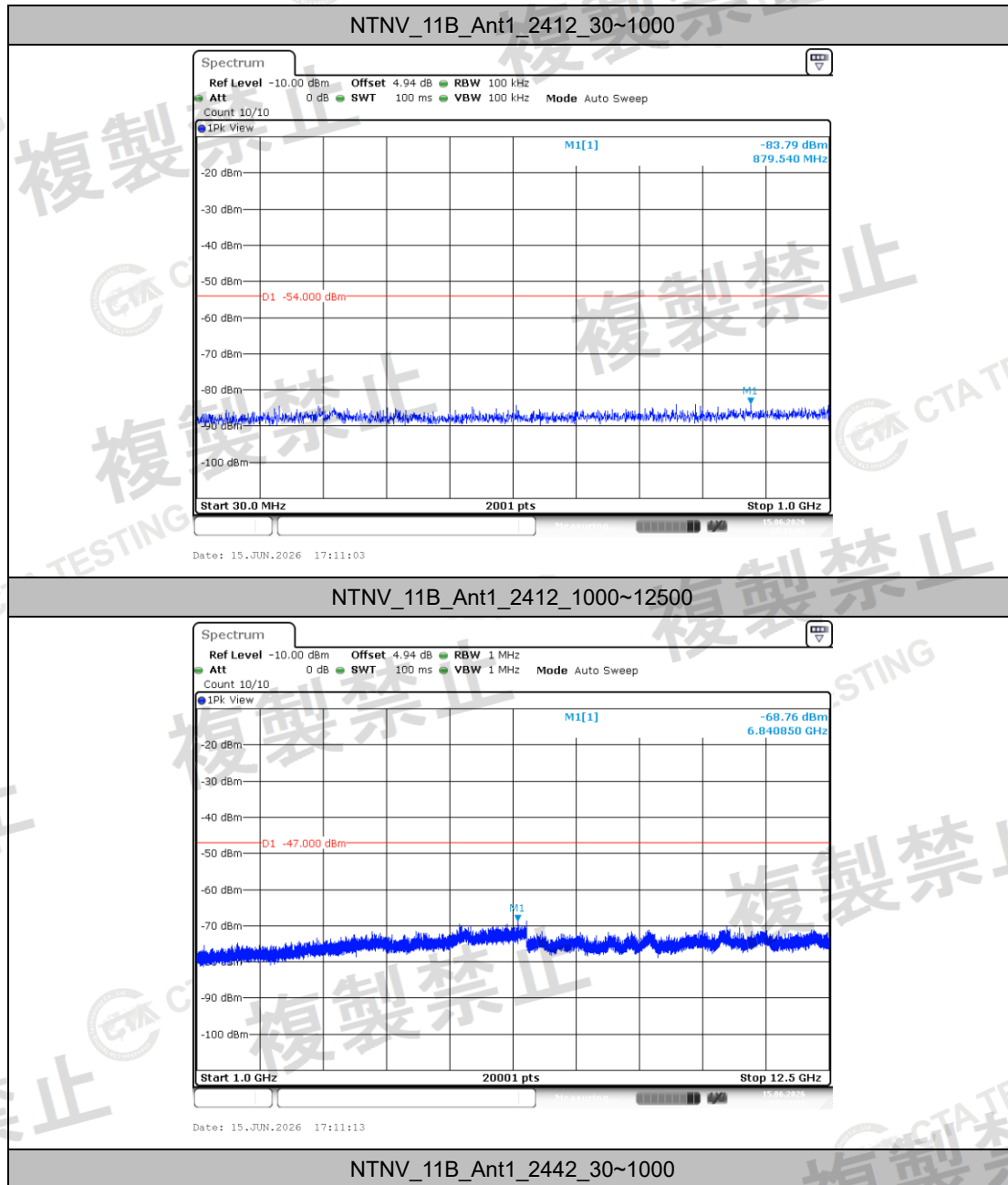
TestCondition	TestMode	Antenna	Channel (MHz)	Freq.Range [MHz]	Freq. [MHz]	Result [dBm]	Limit [dBm]	Result [μW]	Limit [μW]	Verdict
NTNV	11B	Ant1	2412	30~1000	879.54	-83.79	≤-54	0.00418	≤4	PASS
				1000~12500	6840.85	-68.76	≤-47	0.13305	≤20	PASS
			2442	30~1000	907.17	-83.62	≤-54	0.00435	≤4	PASS
				1000~12500	6915.59	-68.77	≤-47	0.13274	≤20	PASS
			2472	30~1000	965.82	-83.25	≤-54	0.00473	≤4	PASS
				1000~12500	6950.09	-69.06	≤-47	0.12417	≤20	PASS
	11G	Ant1	2412	30~1000	881.48	-82.94	≤-54	0.00508	≤4	PASS
				1000~12500	6574.63	-69.84	≤-47	0.10375	≤20	PASS
			2442	30~1000	856.27	-83.03	≤-54	0.00498	≤4	PASS
				1000~12500	5927.79	-68.82	≤-47	0.13122	≤20	PASS
			2472	30~1000	935.28	-83.85	≤-54	0.00412	≤4	PASS
				1000~12500	6689.63	-69.13	≤-47	0.12218	≤20	PASS
	11N20SI SO	Ant1	2412	30~1000	634.25	-83.14	≤-54	0.00485	≤4	PASS
				1000~12500	6909.84	-68.36	≤-47	0.14588	≤20	PASS
			2442	30~1000	630.37	-84.10	≤-54	0.00389	≤4	PASS
				1000~12500	6832.80	-69.13	≤-47	0.12218	≤20	PASS
			2472	30~1000	939.16	-84.20	≤-54	0.00380	≤4	PASS
				1000~12500	6631.56	-69.56	≤-47	0.11066	≤20	PASS



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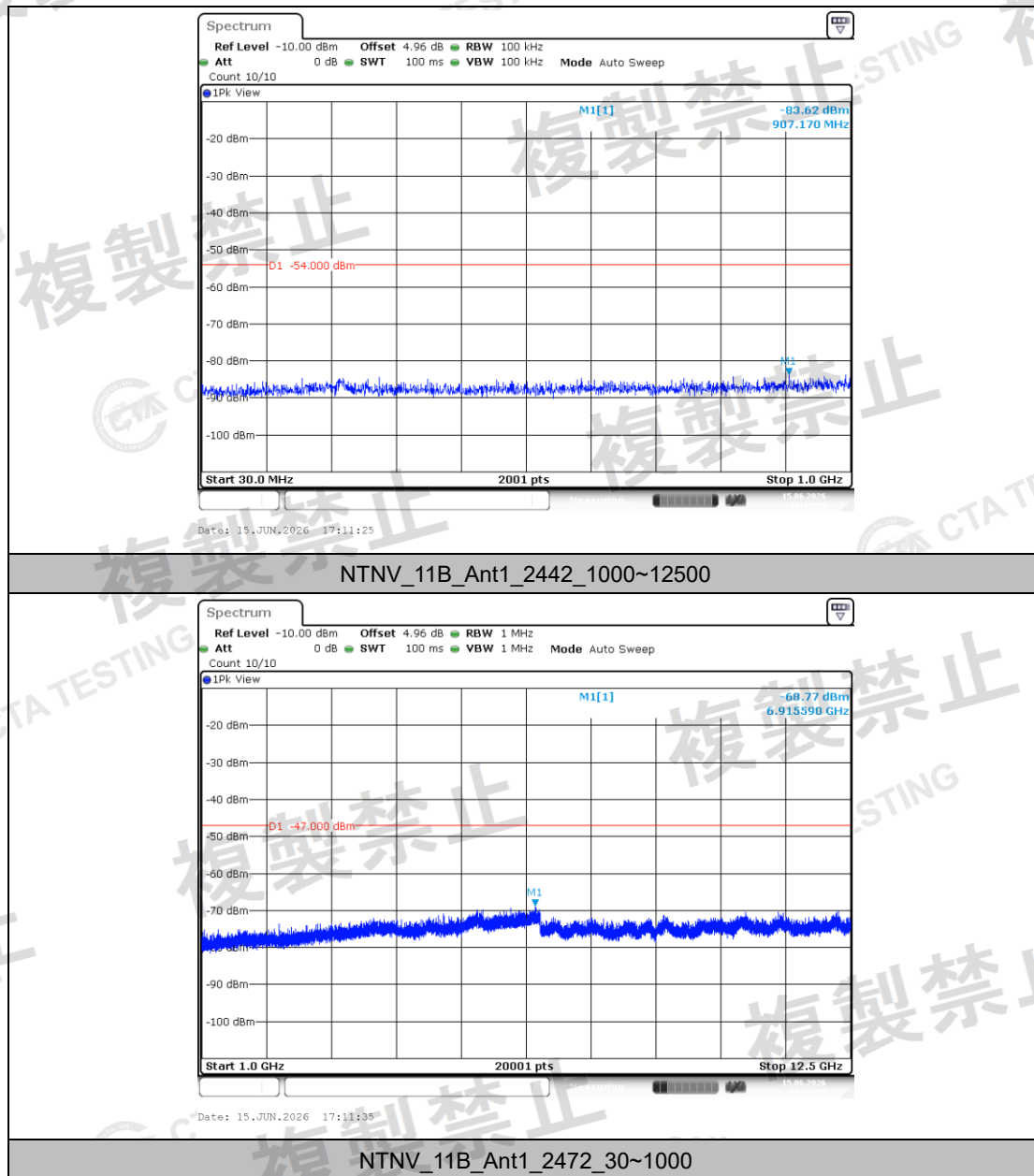
Test Graphs





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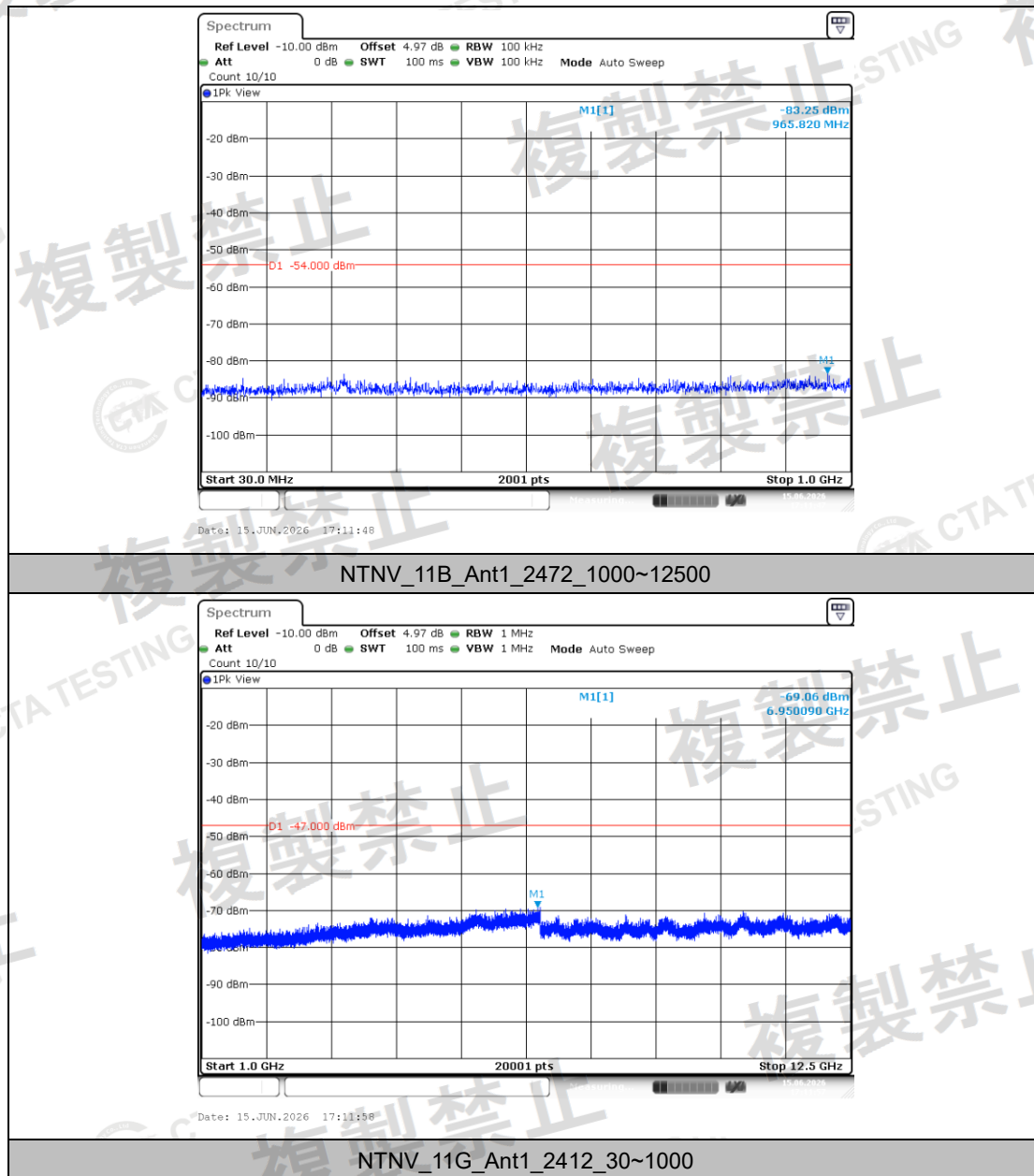
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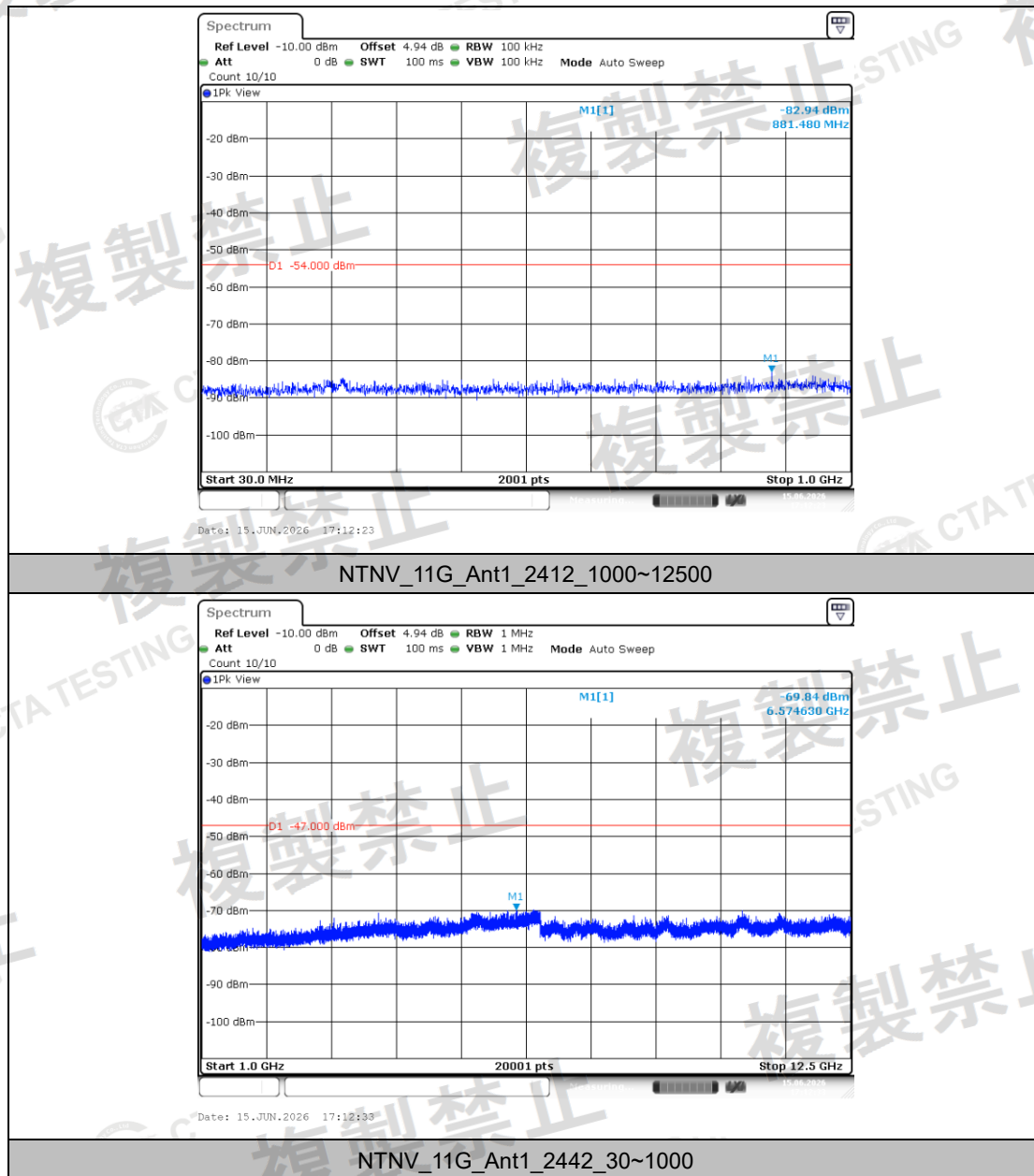
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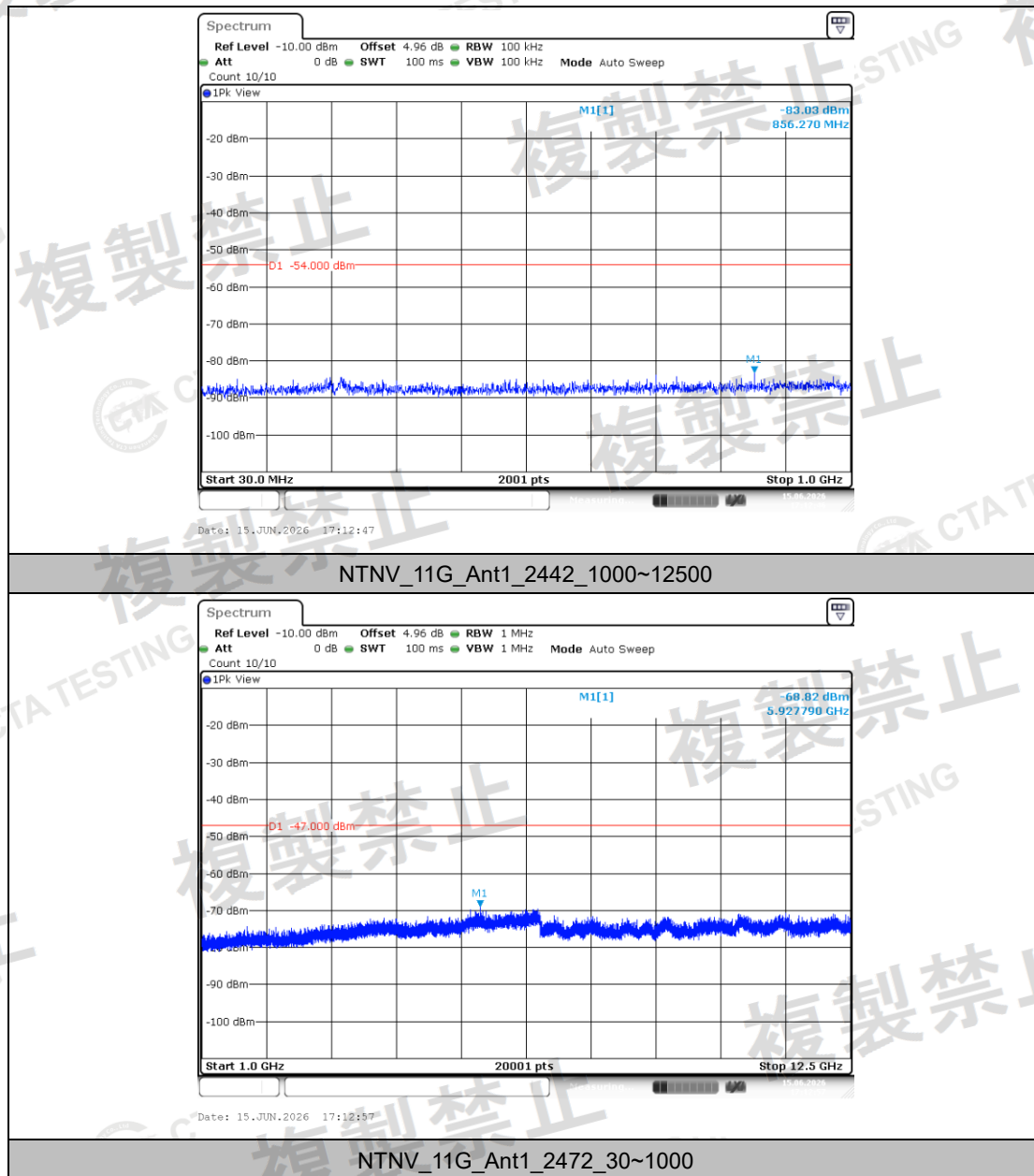
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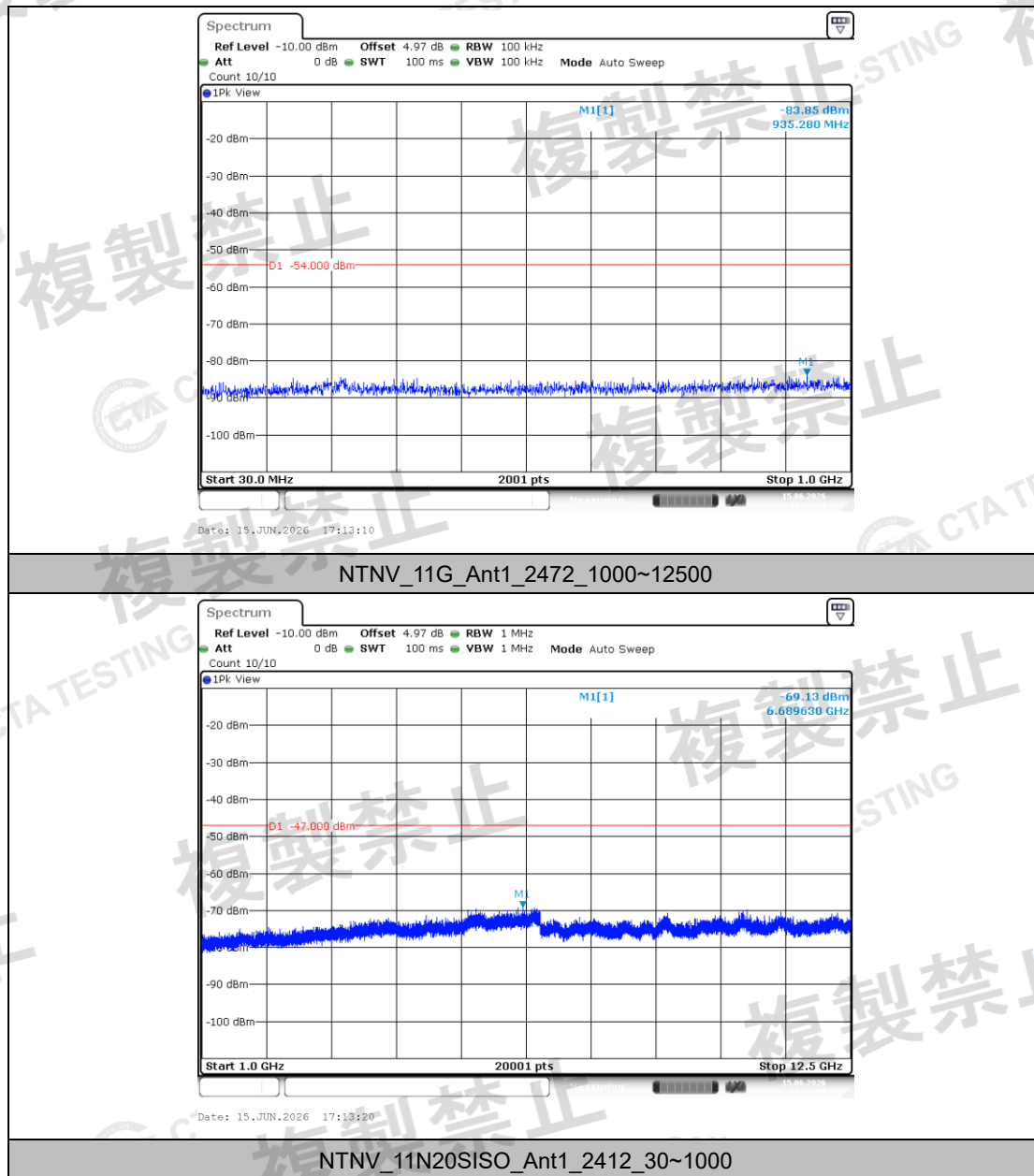
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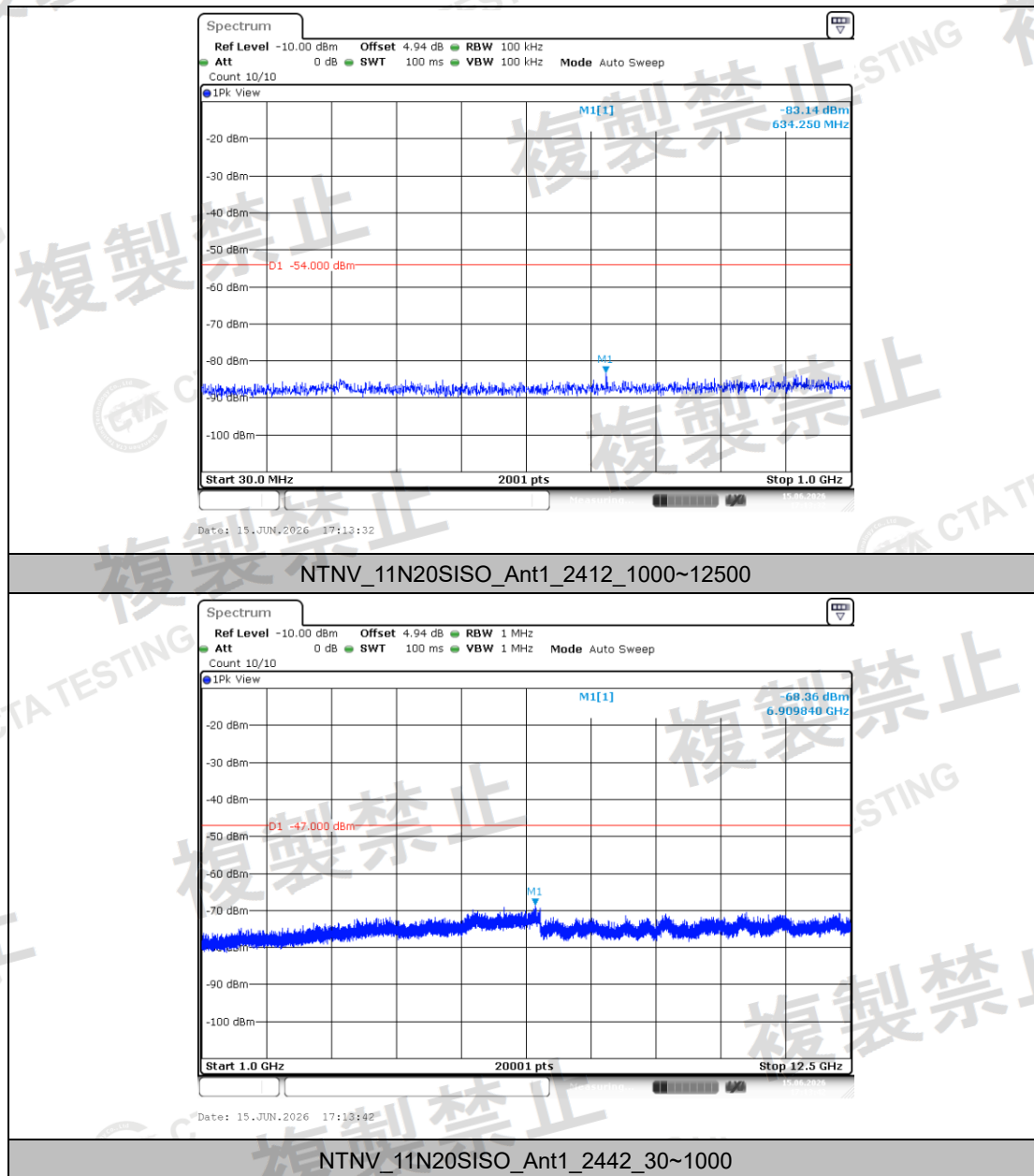
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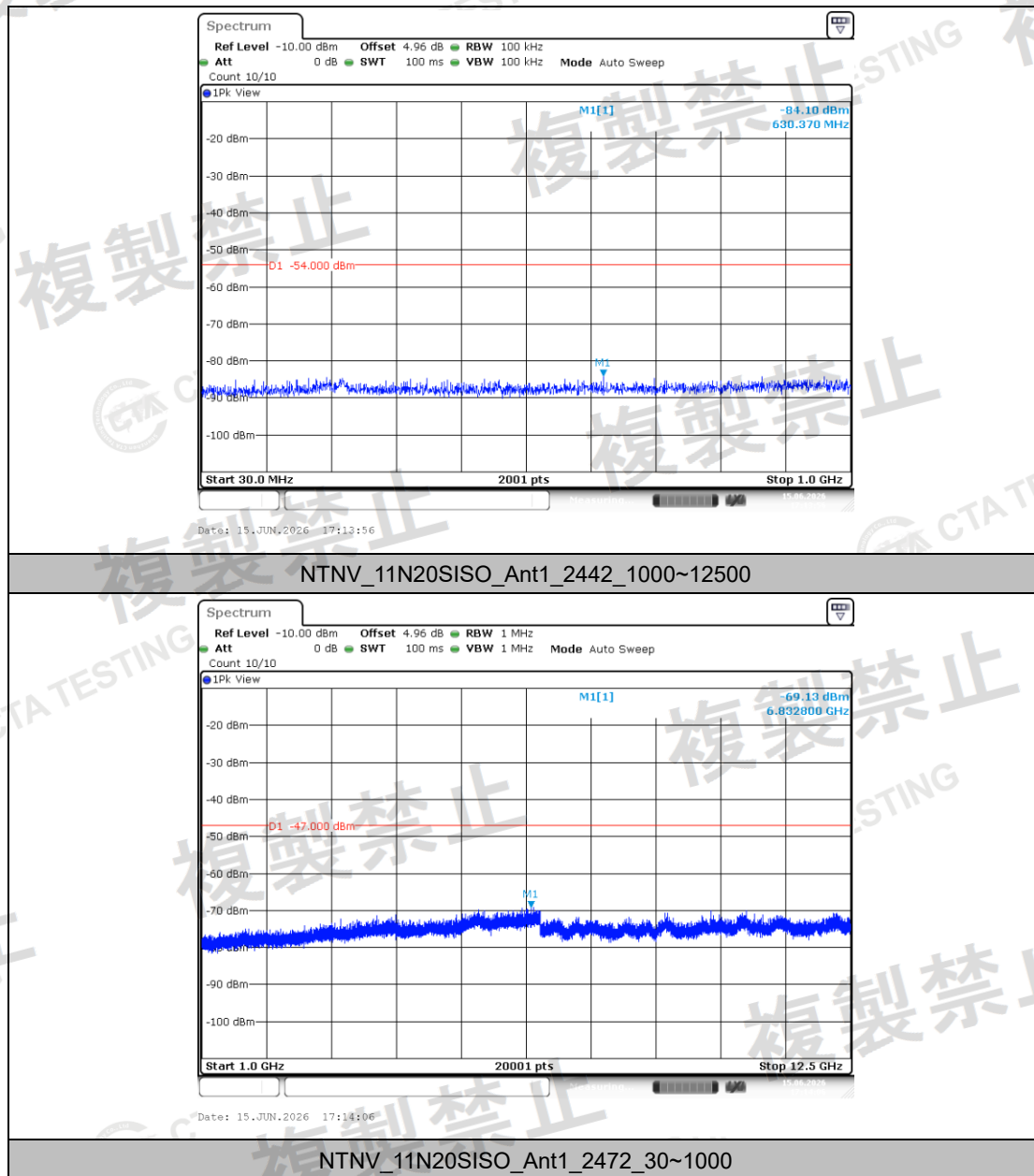
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