



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 : ShenZhenShi ShenZhiJia Electronic Co.,Ltd.

EUT : wireless controller

Model Number : T58

Report No. : CTA26070600701

Reviewed By : Eric Wang



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Appendix A: Frequency_Error

Test Result

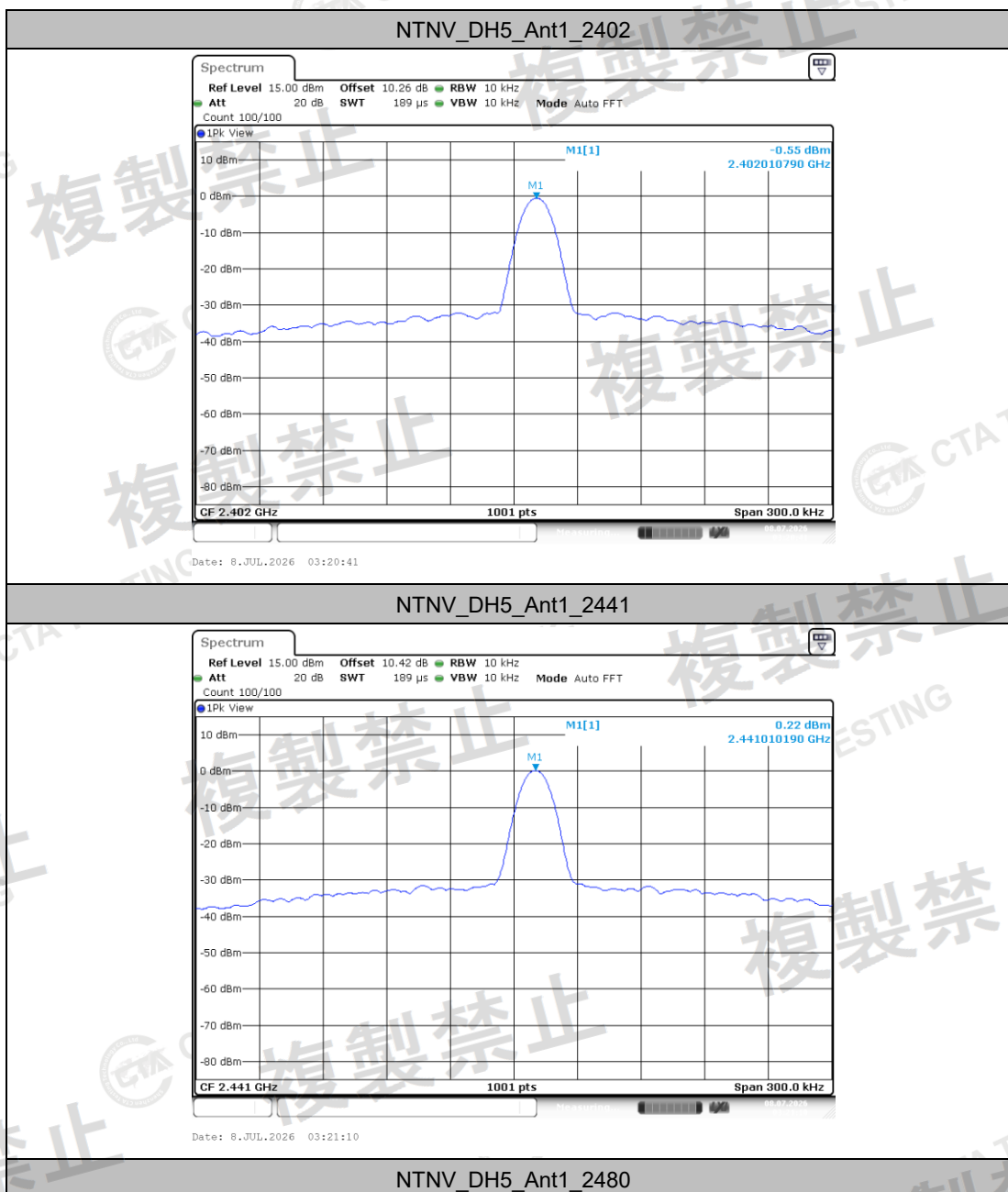
Test Condition	Test Mode	Antenna	Freq(MHz)	Result[ppm]	Limit[ppm]	Verdict
NTNV	DH5	Ant1	2402	4.49209	±50	PASS
			2441	4.17452	±50	PASS
			2480	3.98790	±50	PASS
	2DH5	Ant1	2402	3.74271	±50	PASS
			2441	3.68292	±50	PASS
			2480	3.74597	±50	PASS
	3DH5	Ant1	2402	3.74271	±50	PASS
			2441	3.80582	±50	PASS
			2480	3.86694	±50	PASS



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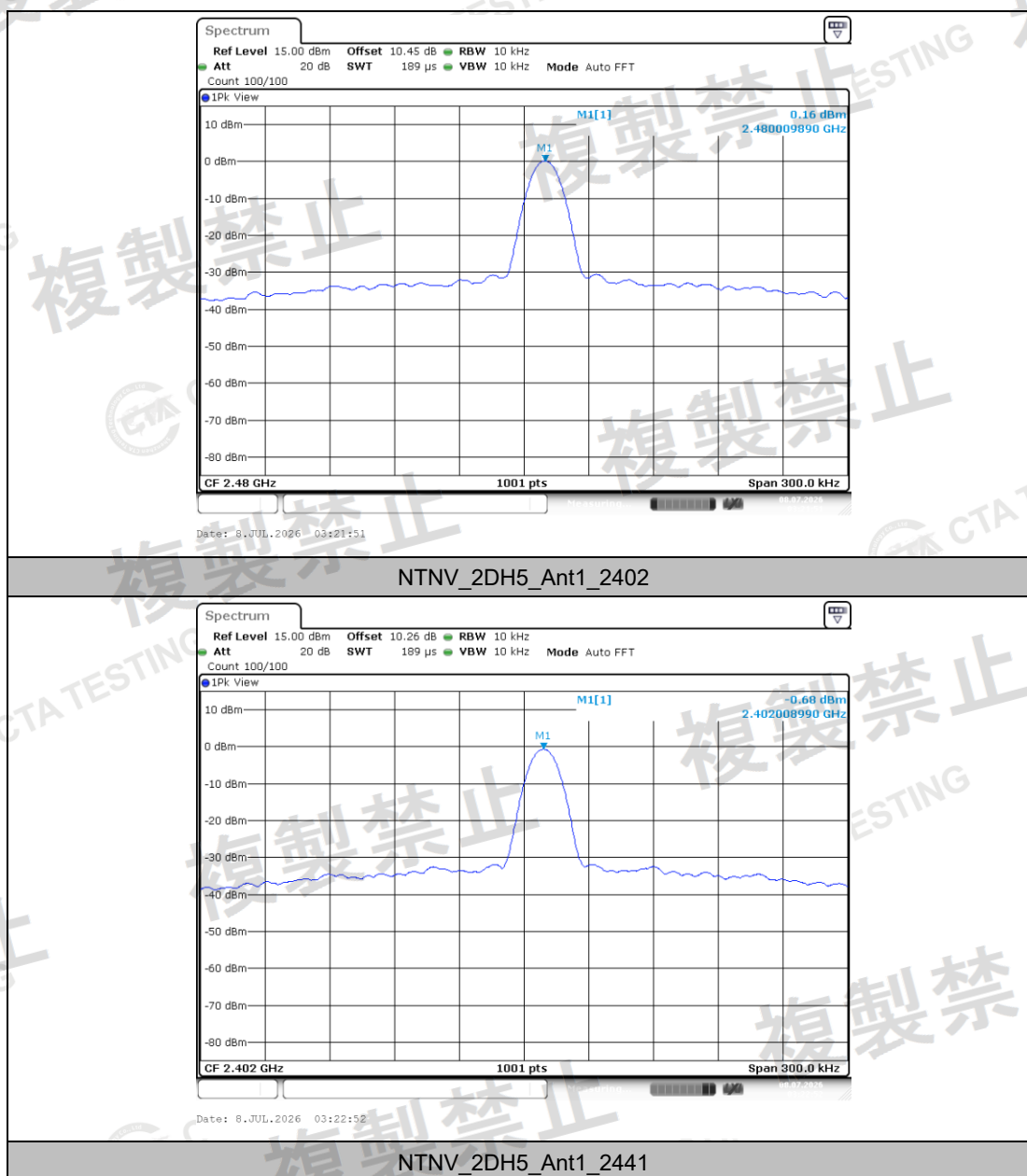
Test Graphs





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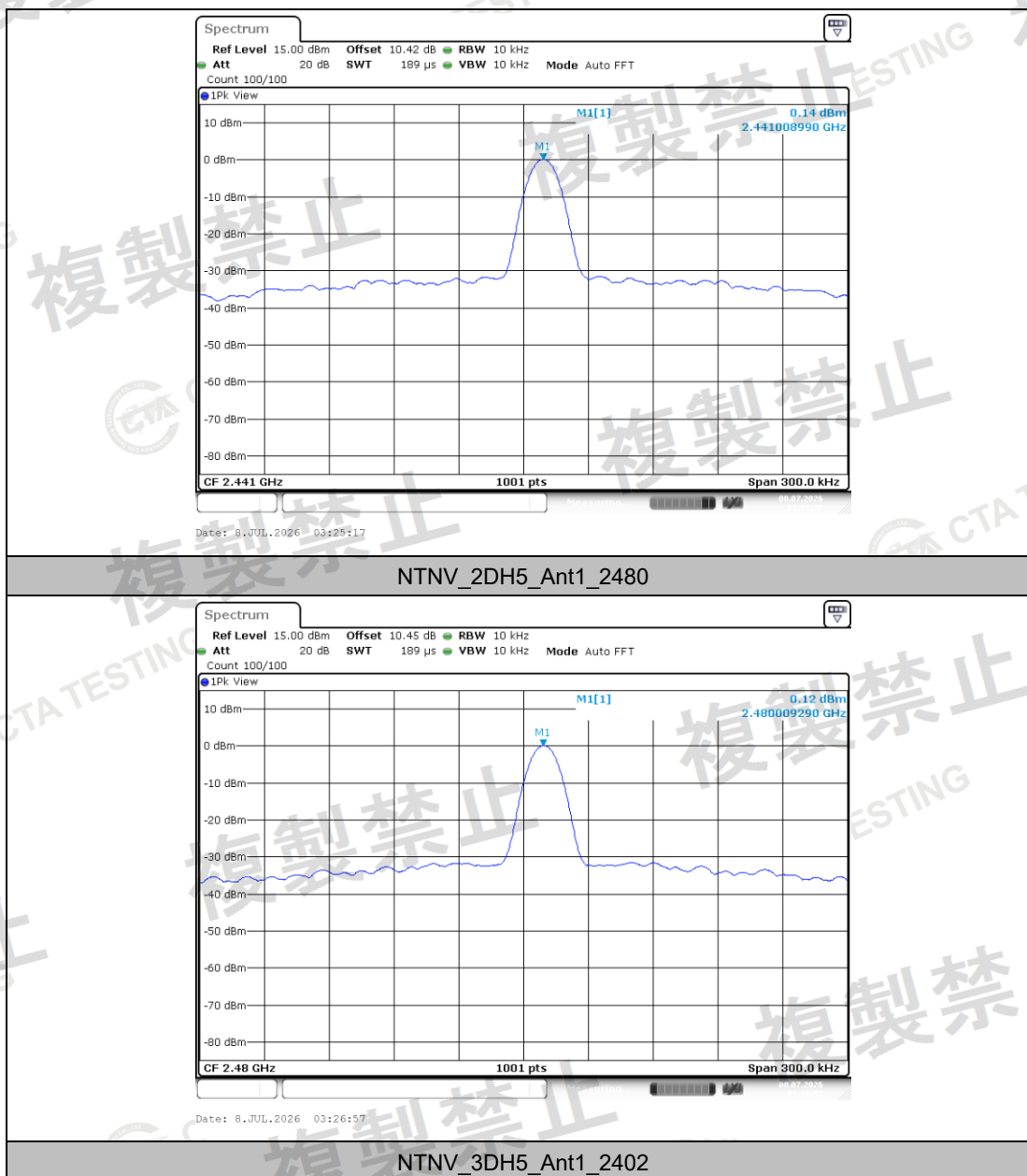
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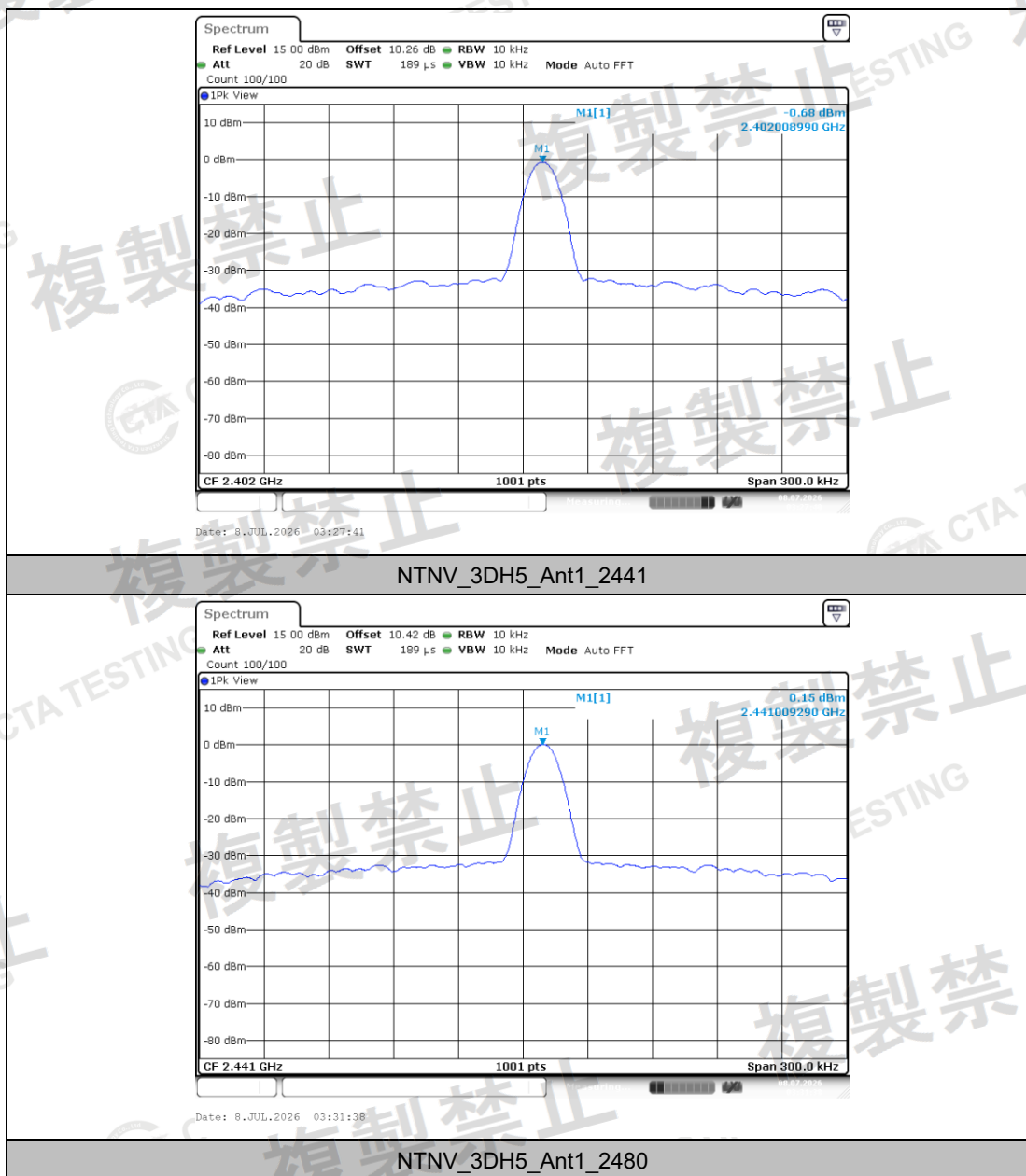
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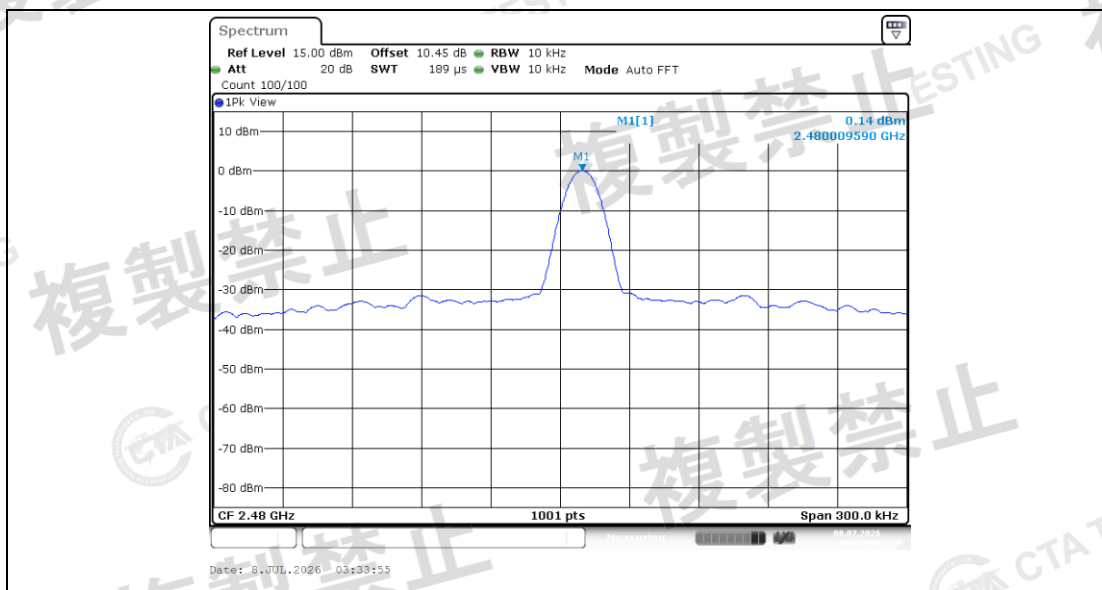
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Appendix B: Occupied Bandwidth

Test Result

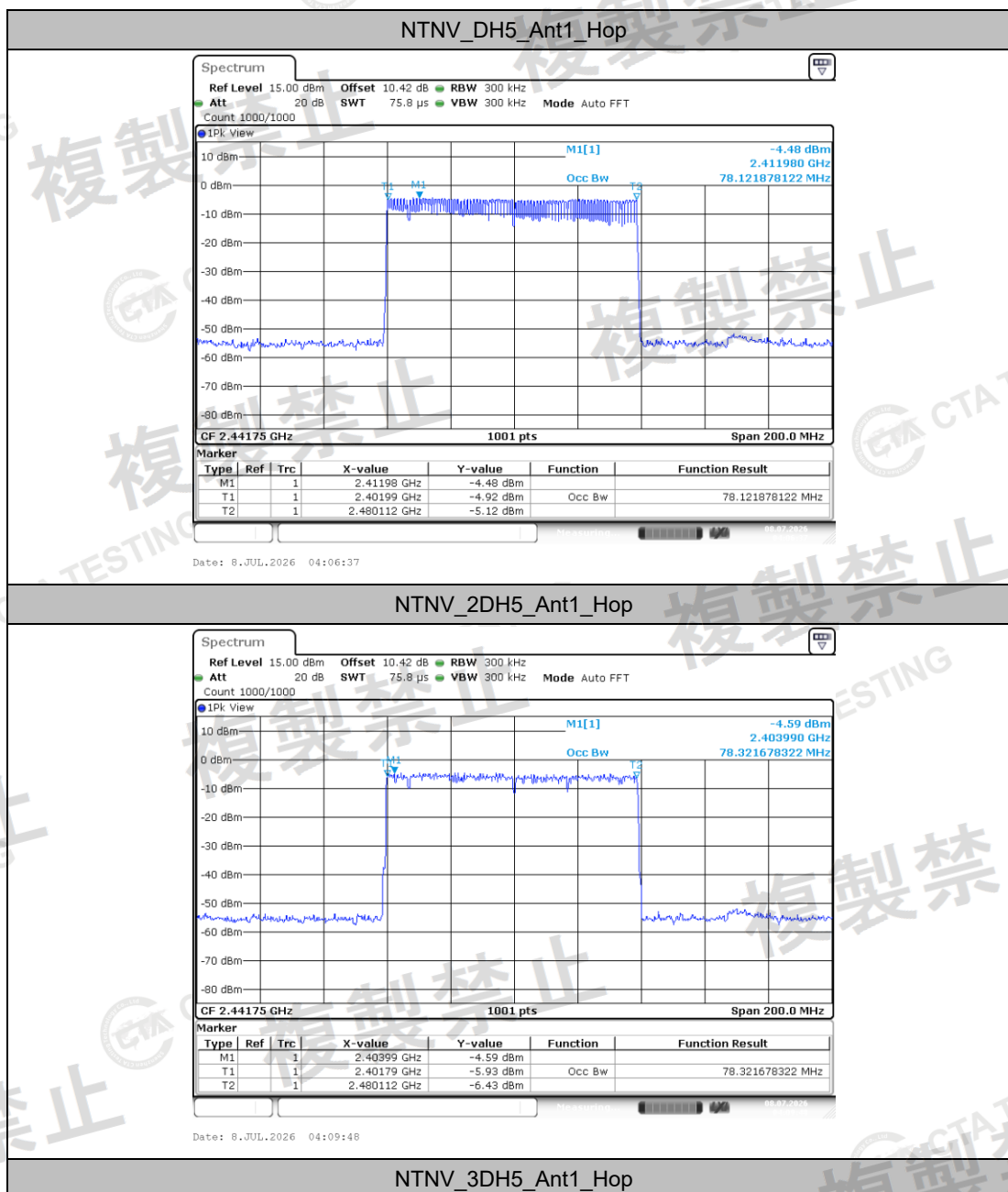
Test Condition	Test Mode	Antenna	Freq(MHz)	Result [MHz]	Limit [MHz]	Verdict
NTNV	DH5	Ant1	Hop	78.122	≤83.5	PASS
	2DH5	Ant1	Hop	78.322	≤83.5	PASS
	3DH5	Ant1	Hop	78.322	≤83.5	PASS



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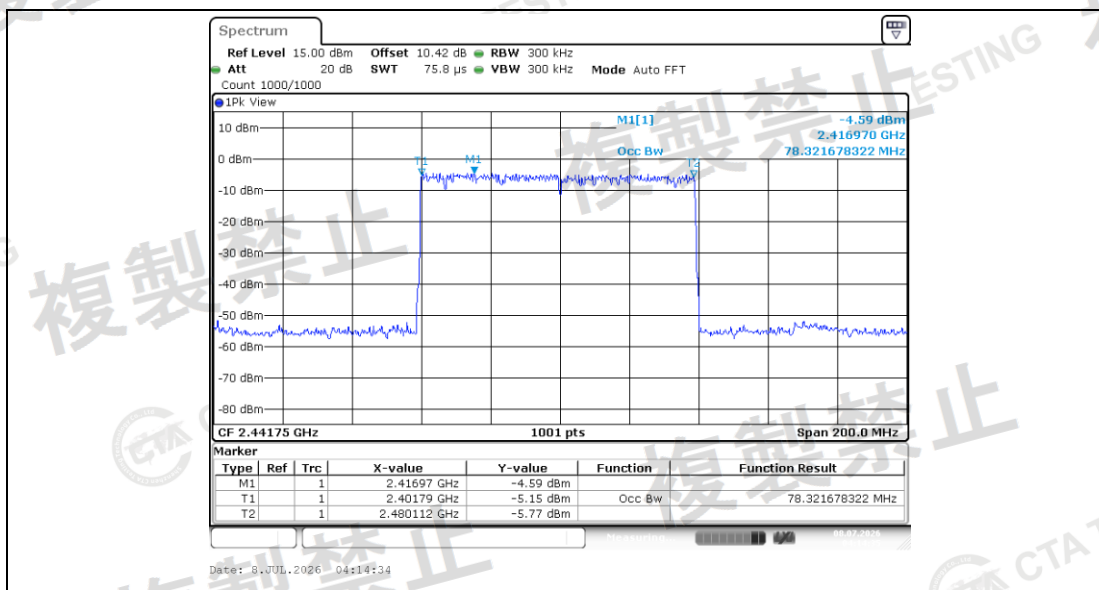
Test Graphs





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Appendix C: Spread Bandwidth

Test Result

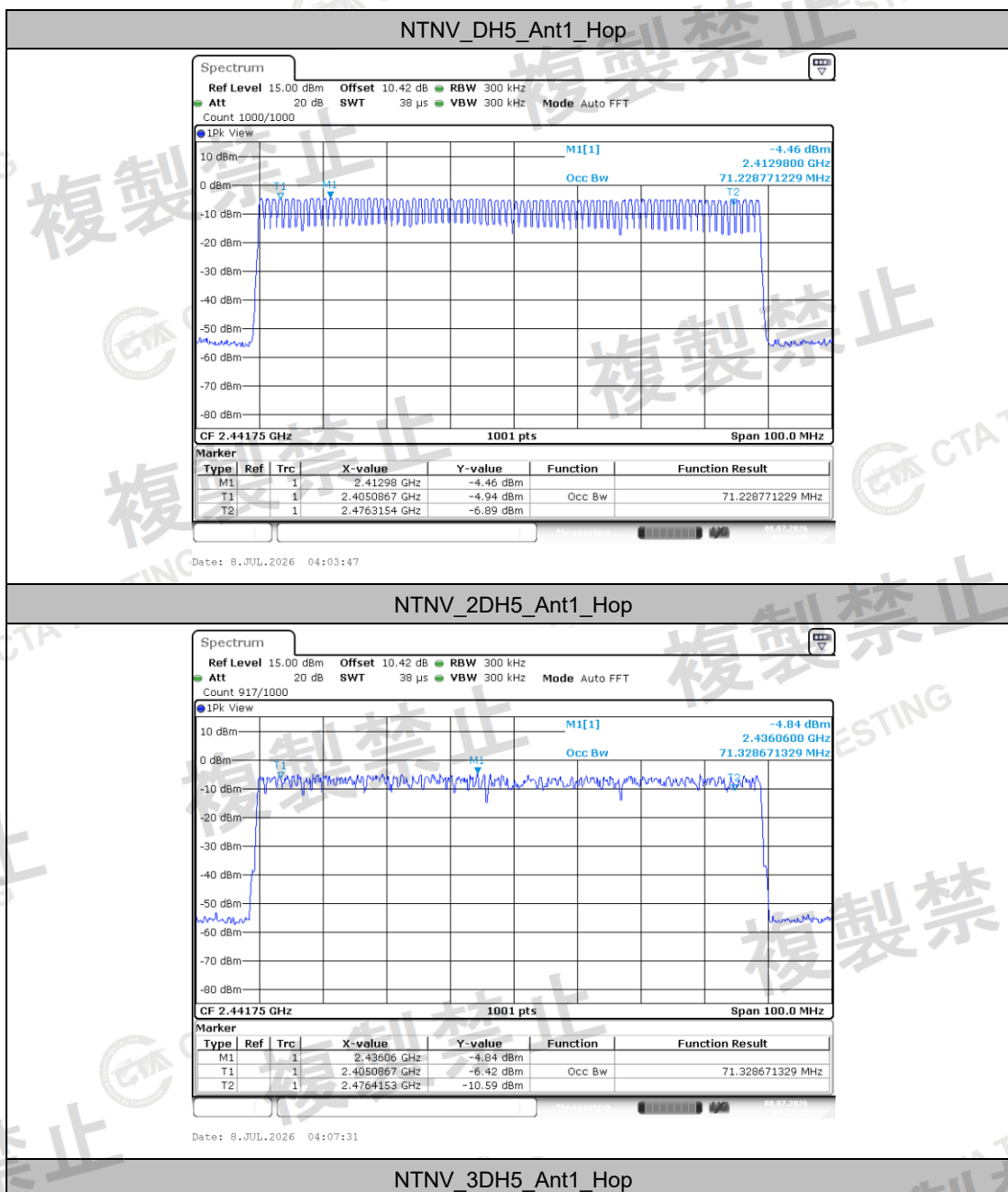
Test Condition	Test Mode	Antenna	Freq(MHz)	Result [MHz]	Limit [MHz]	Spread Factor	Limit	Verdict
NTNV	DH5	Ant1	Hop	71.229	≥ 0.5	71.229	> 5	PASS
	2DH5	Ant1	Hop	71.329	≥ 0.5	71.329	> 5	PASS
	3DH5	Ant1	Hop	71.229	≥ 0.5	71.229	> 5	PASS



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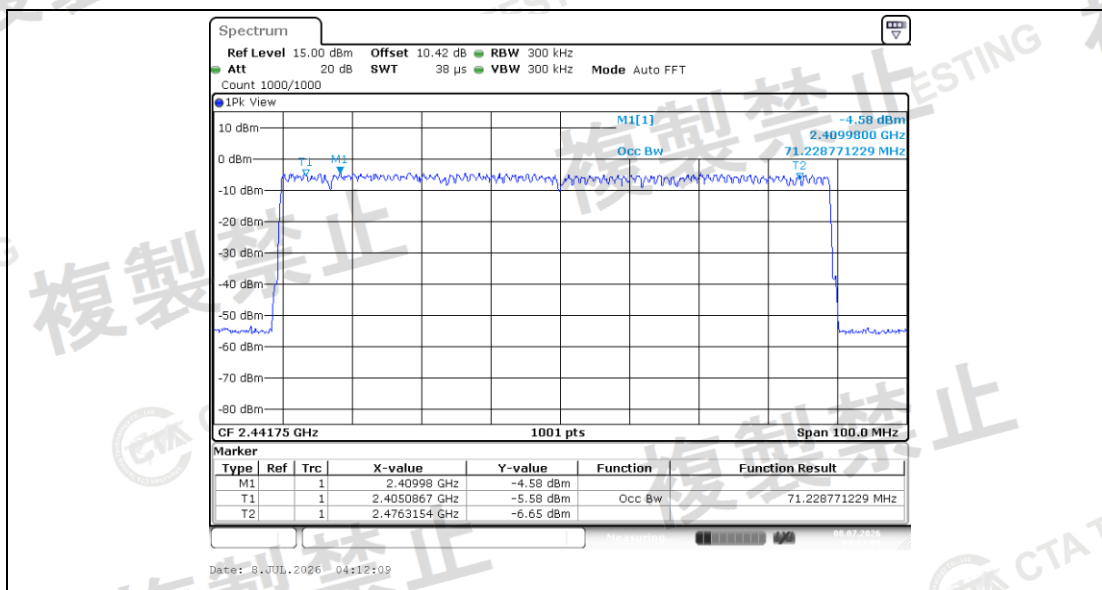
Test Graphs





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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	218.67	-54.41	≤-26	0.00362	≤2.5	PASS
				1000~2387	1986.50	-53.15	≤-26	0.00484	≤2.5	PASS
				2387~2400	2399.99	-36.55	≤-16	0.22131	≤25	PASS
				2483.5~2496.5	2495.40	-42.85	≤-16	0.05188	≤25	PASS
				2496.5~13000	4803.59	-39.96	≤-26	0.10093	≤2.5	PASS
			2441	30~1000	240.01	-54.86	≤-26	0.00327	≤2.5	PASS
				1000~2387	2352.33	-54.11	≤-26	0.00388	≤2.5	PASS
				2387~2400	2389.93	-43.60	≤-16	0.04365	≤25	PASS
				2483.5~2496.5	2493.95	-43.44	≤-16	0.04529	≤25	PASS
				2496.5~13000	2612.04	-35.97	≤-26	0.25293	≤2.5	PASS
			2480	30~1000	203.87	-54.58	≤-26	0.00348	≤2.5	PASS
				1000~2387	2302.39	-53.50	≤-26	0.00447	≤2.5	PASS
				2387~2400	2387.87	-43.60	≤-16	0.04365	≤25	PASS
				2483.5~2496.5	2484.62	-42.05	≤-16	0.06237	≤25	PASS
				2496.5~13000	4959.57	-39.60	≤-26	0.10965	≤2.5	PASS
	2DH5	Ant1	2402	30~1000	905.18	-50.43	≤-26	0.00906	≤2.5	PASS
				1000~2387	2382.84	-52.57	≤-26	0.00553	≤2.5	PASS
				2387~2400	2399.99	-30.51	≤-16	0.88920	≤25	PASS
				2483.5~2496.5	2492.33	-43.70	≤-16	0.04266	≤25	PASS
				2496.5~13000	4803.59	-38.74	≤-26	0.13366	≤2.5	PASS
			2441	30~1000	855.96	-54.92	≤-26	0.00322	≤2.5	PASS
				1000~2387	2340.54	-53.23	≤-26	0.00475	≤2.5	PASS
				2387~2400	2397.58	-43.59	≤-16	0.04375	≤25	PASS
				2483.5~2496.5	2487.07	-43.83	≤-16	0.04140	≤25	PASS
				2496.5~13000	4881.84	-39.53	≤-26	0.11143	≤2.5	PASS
			2480	30~1000	828.07	-54.22	≤-26	0.00378	≤2.5	PASS
				1000~2387	1703.21	-53.92	≤-26	0.00406	≤2.5	PASS
				2387~2400	2387.08	-44.20	≤-16	0.03802	≤25	PASS
				2483.5~2496.5	2484.71	-42.68	≤-16	0.05395	≤25	PASS
				2496.5~13000	4959.57	-38.36	≤-26	0.14588	≤2.5	PASS
	3DH5	Ant1	2402	30~1000	932.59	-54.31	≤-26	0.00371	≤2.5	PASS
				1000~2387	2361.34	-52.75	≤-26	0.00531	≤2.5	PASS
				2387~2400	2400.00	-30.44	≤-16	0.90365	≤25	PASS
				2483.5~2496.5	2492.95	-43.44	≤-16	0.04529	≤25	PASS
				2496.5~13000	2613.61	-38.58	≤-26	0.13868	≤2.5	PASS



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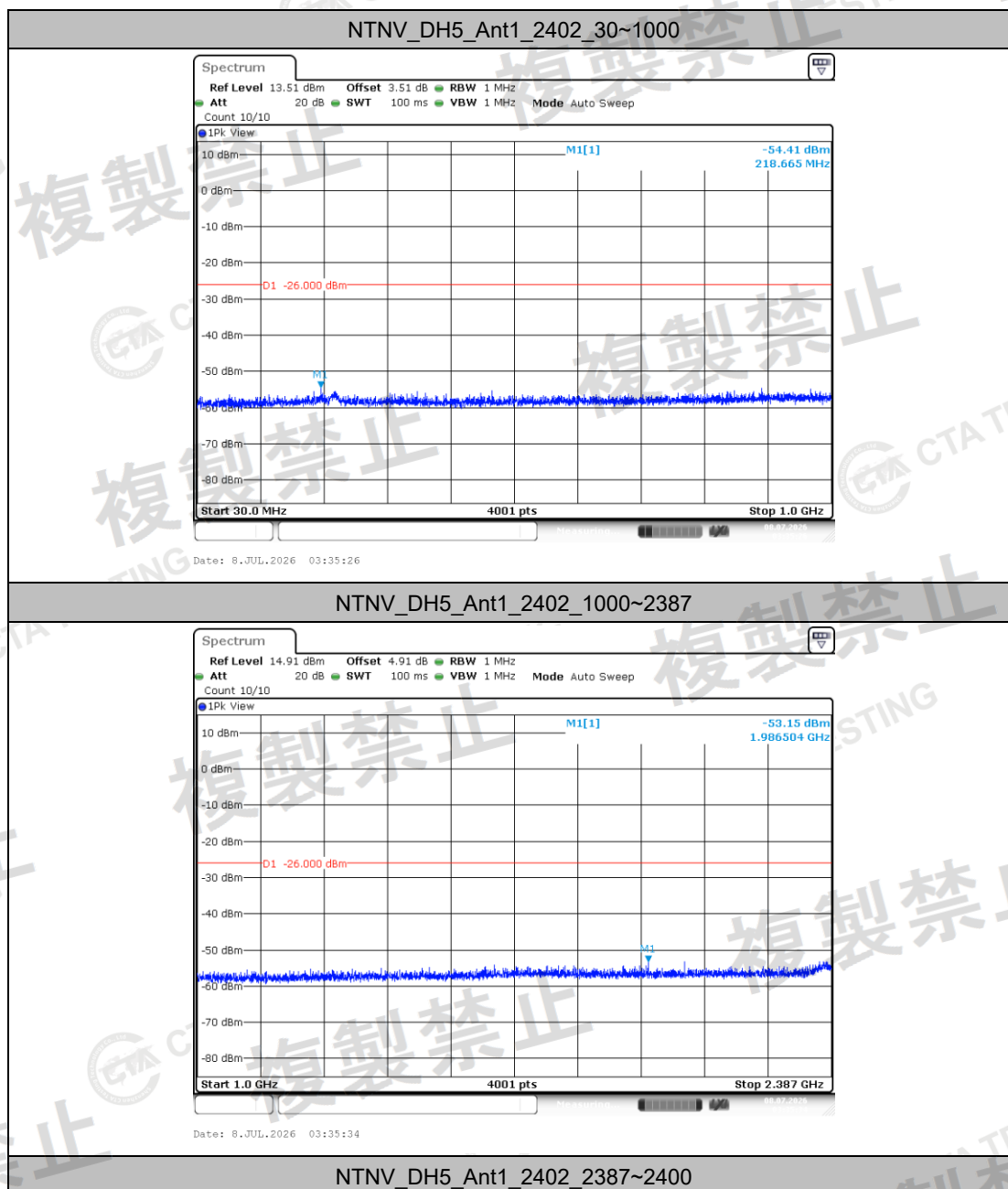
		2441	30~1000	240.01	-54.94	≤-26	0.00321	≤2.5	PASS
			1000~2387	2120.35	-53.58	≤-26	0.00439	≤2.5	PASS
			2387~2400	2399.92	-42.95	≤-16	0.05070	≤25	PASS
			2483.5~2496.5	2489.01	-42.83	≤-16	0.05212	≤25	PASS
			2496.5~13000	4881.84	-39.29	≤-26	0.11776	≤2.5	PASS
		2480	30~1000	961.93	-54.97	≤-26	0.00318	≤2.5	PASS
			1000~2387	2062.79	-53.78	≤-26	0.00419	≤2.5	PASS
			2387~2400	2399.84	-44.16	≤-16	0.03837	≤25	PASS
			2483.5~2496.5	2484.75	-41.55	≤-16	0.06998	≤25	PASS
			2496.5~13000	4960.10	-39.81	≤-26	0.10447	≤2.5	PASS



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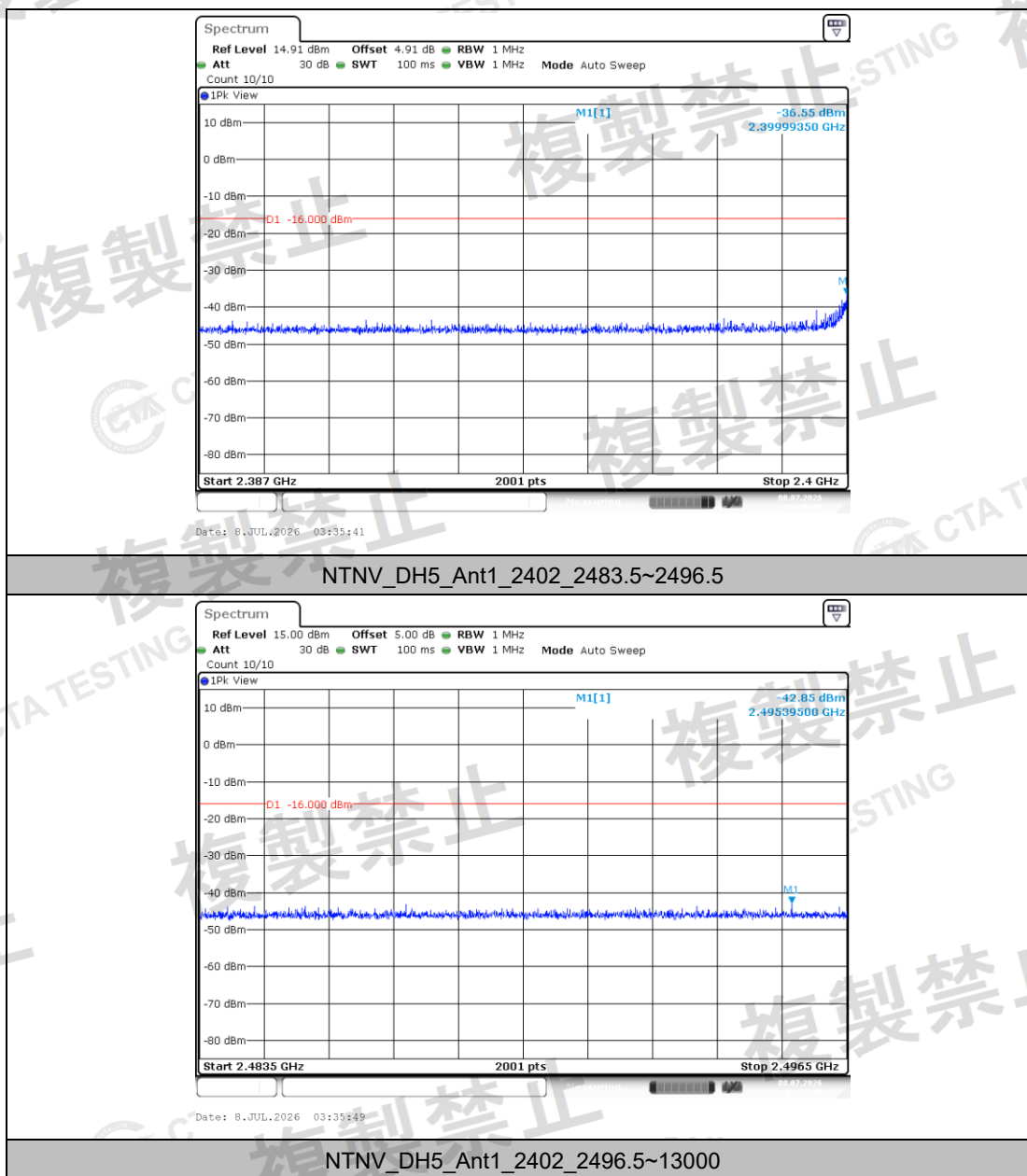
Test Graphs





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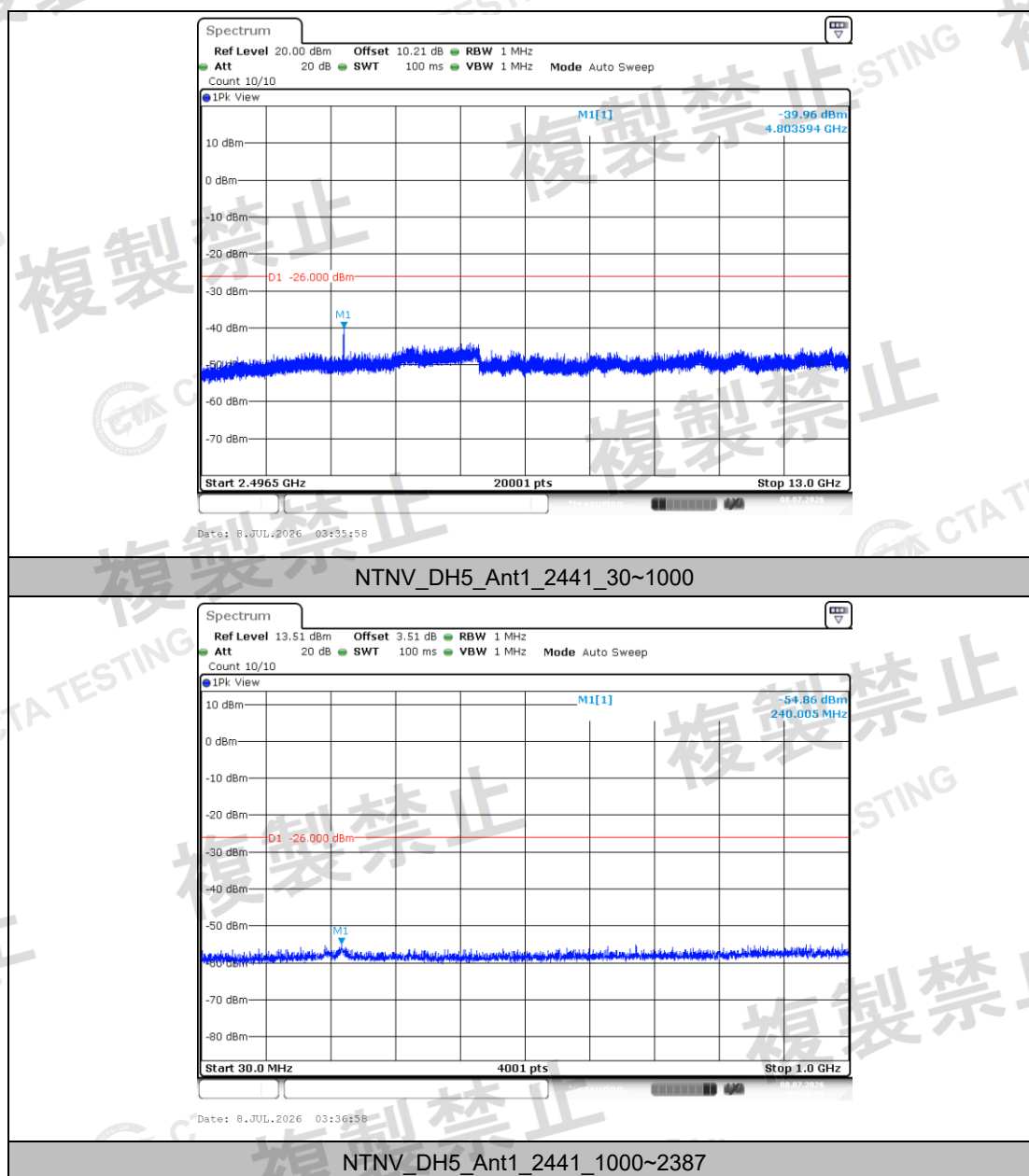
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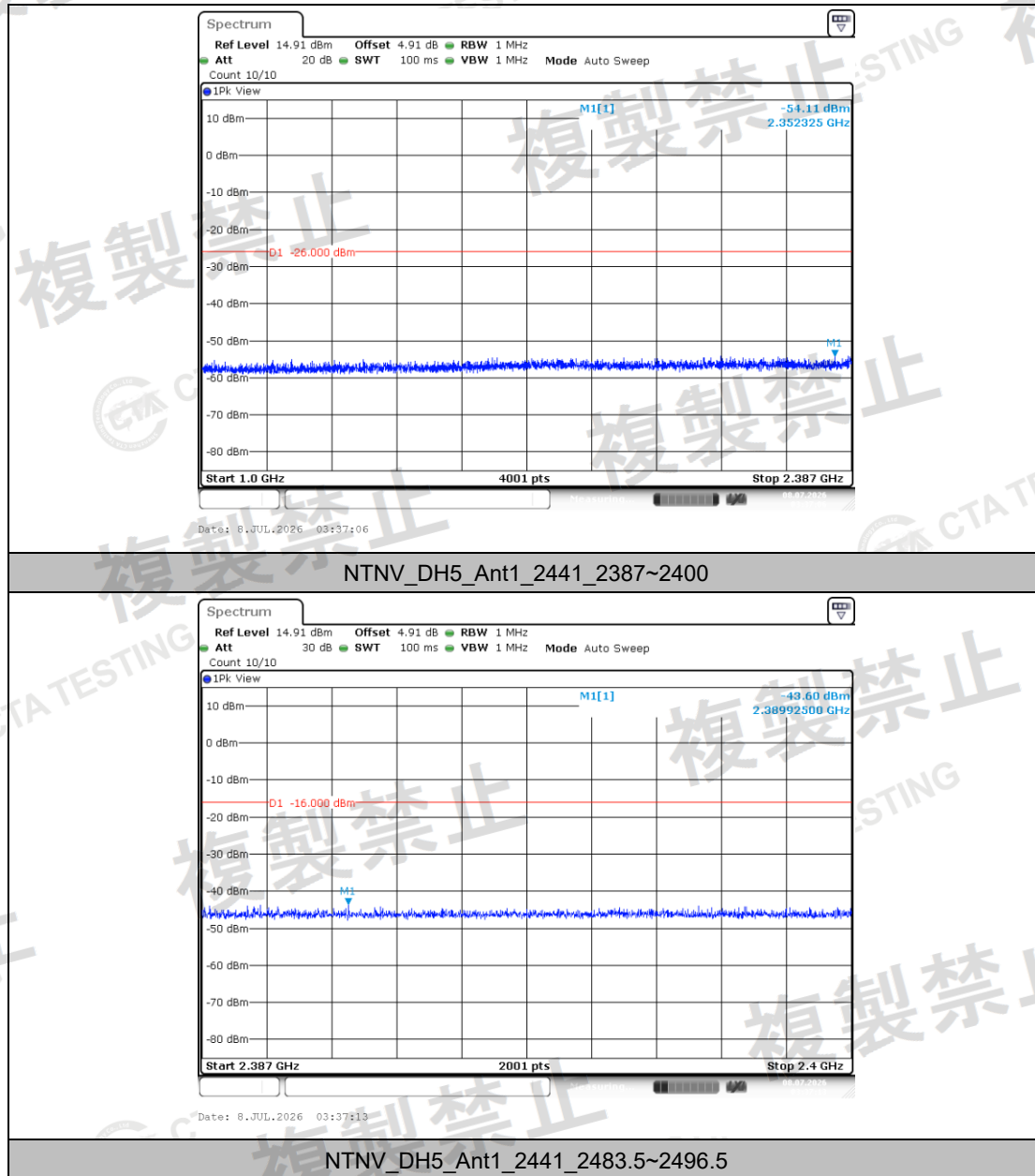
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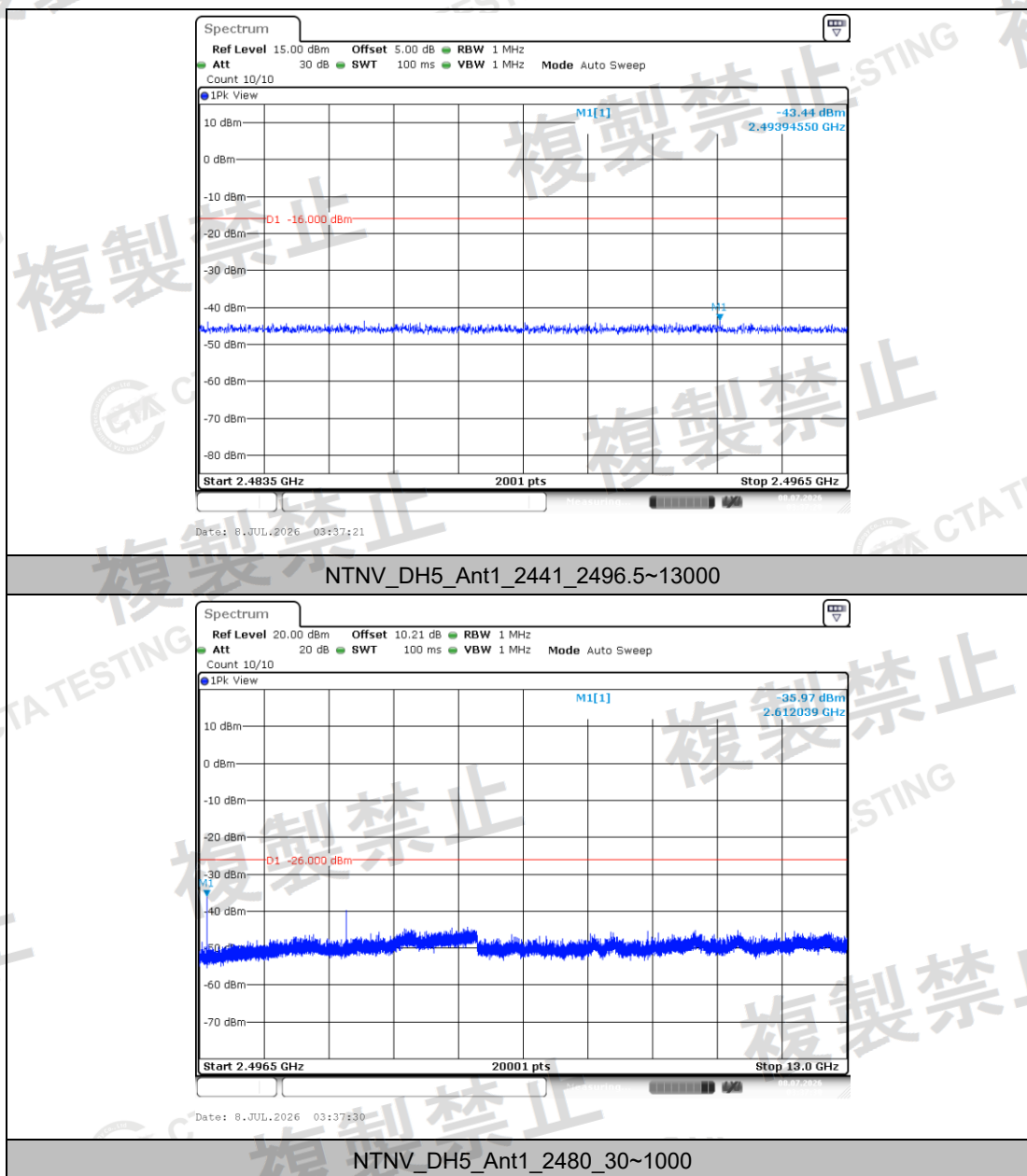
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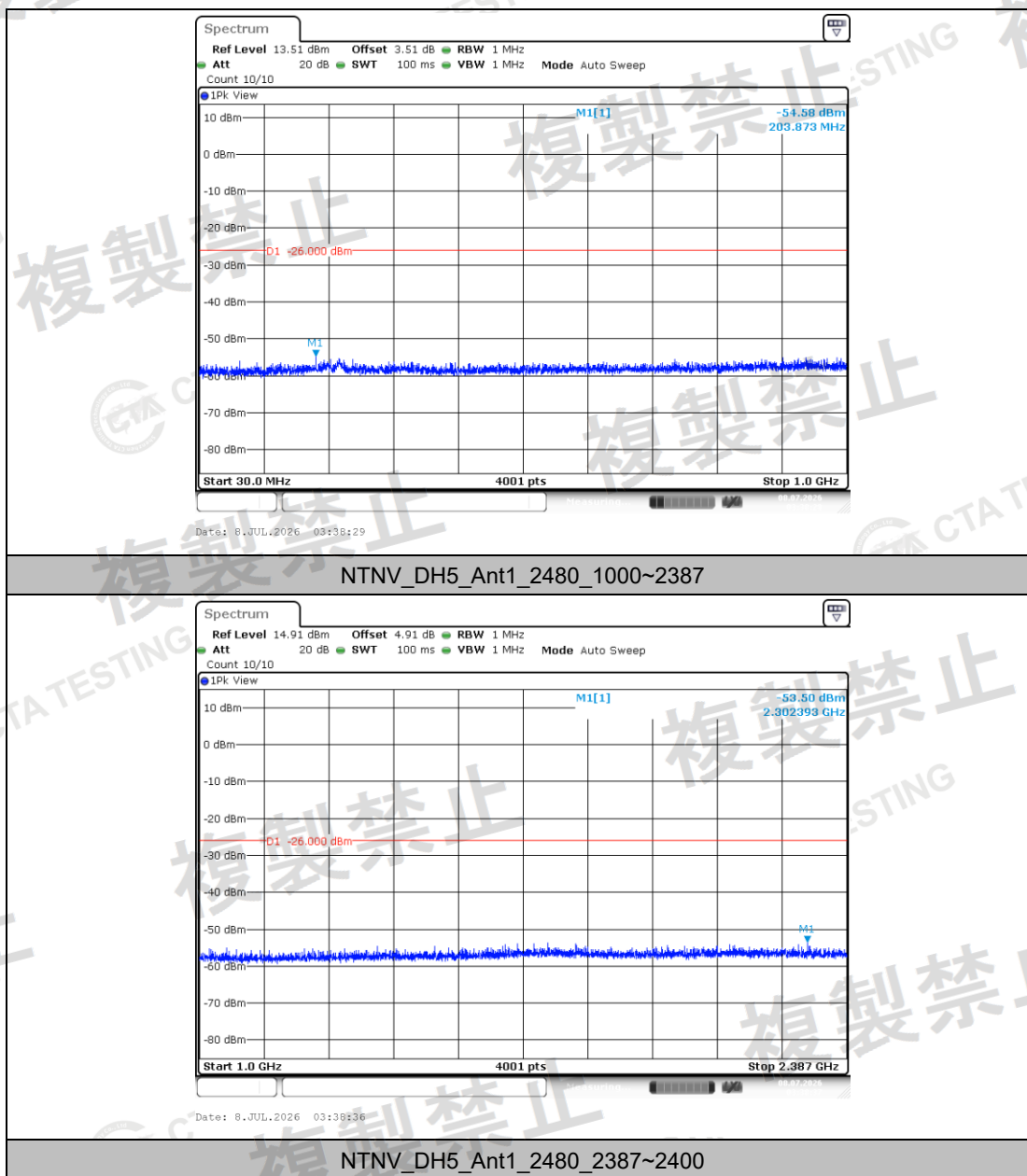
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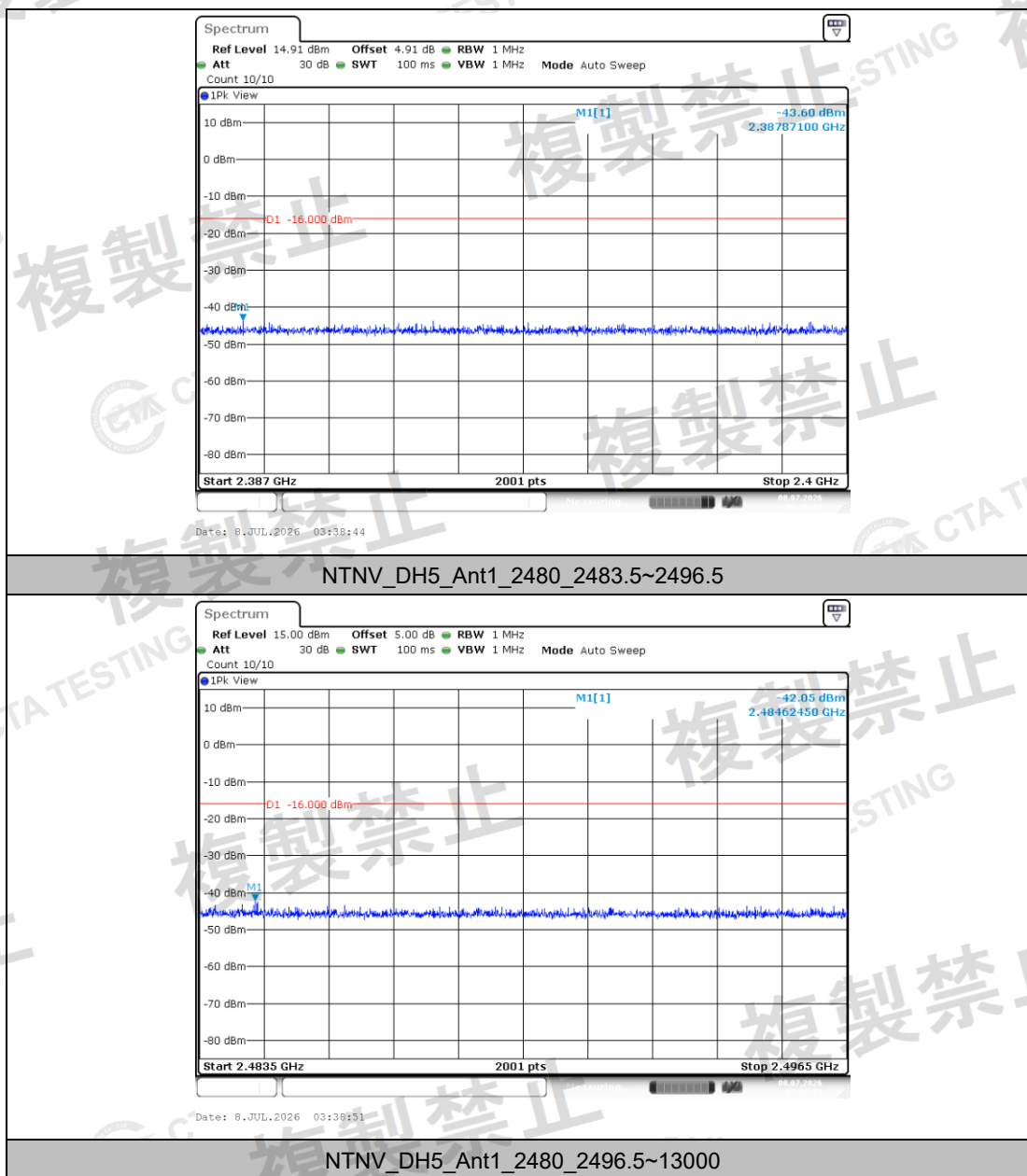
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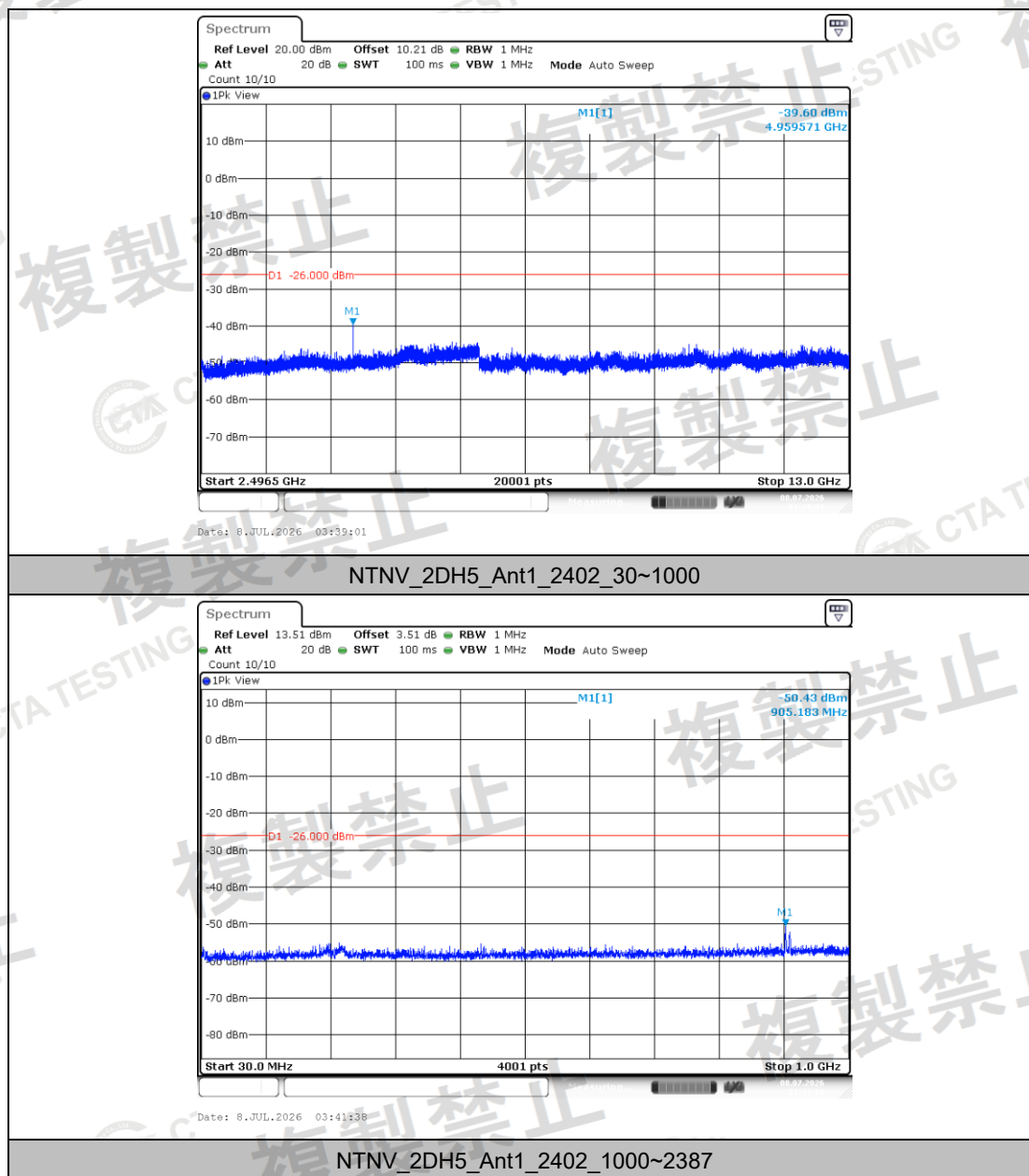
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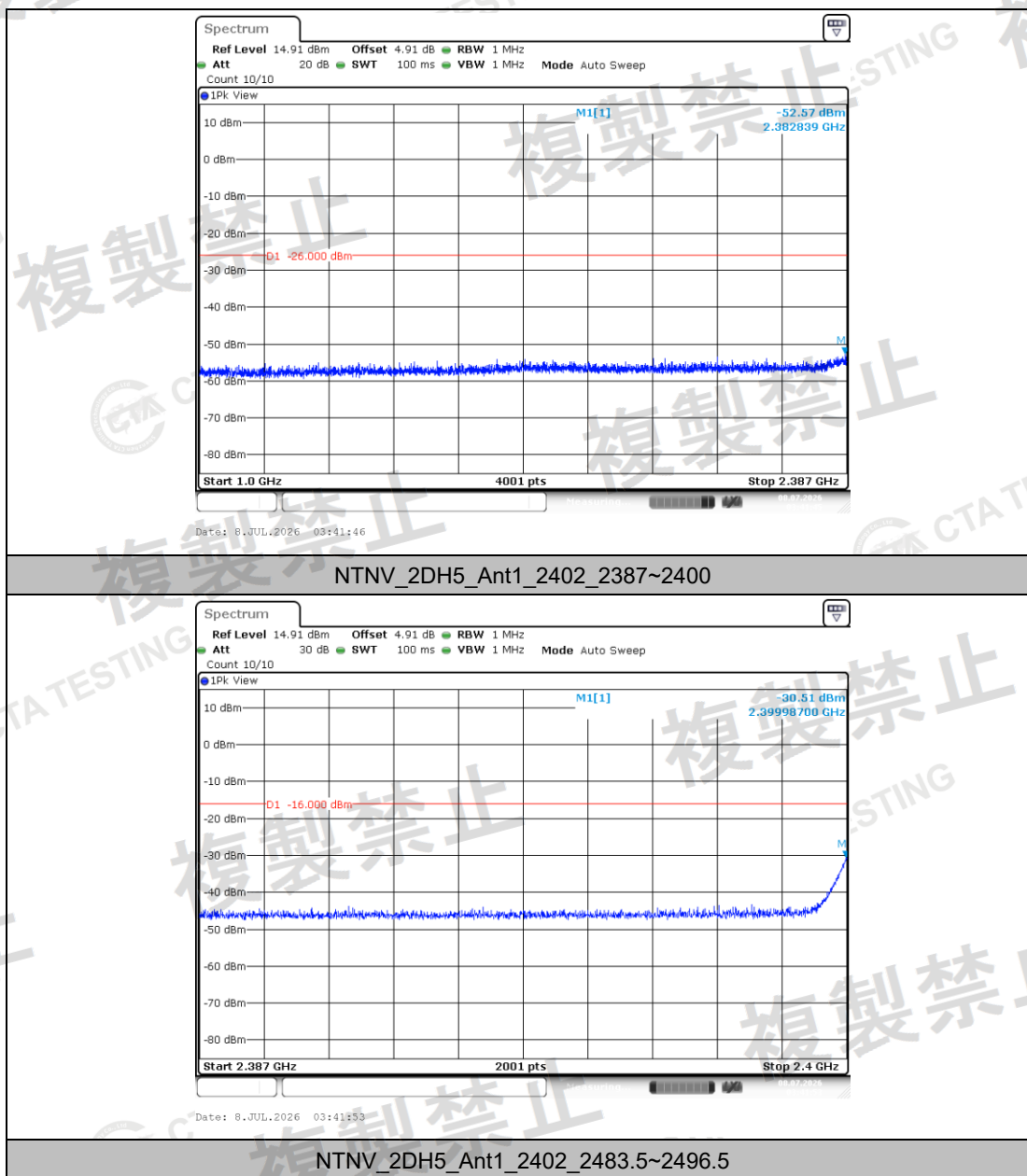
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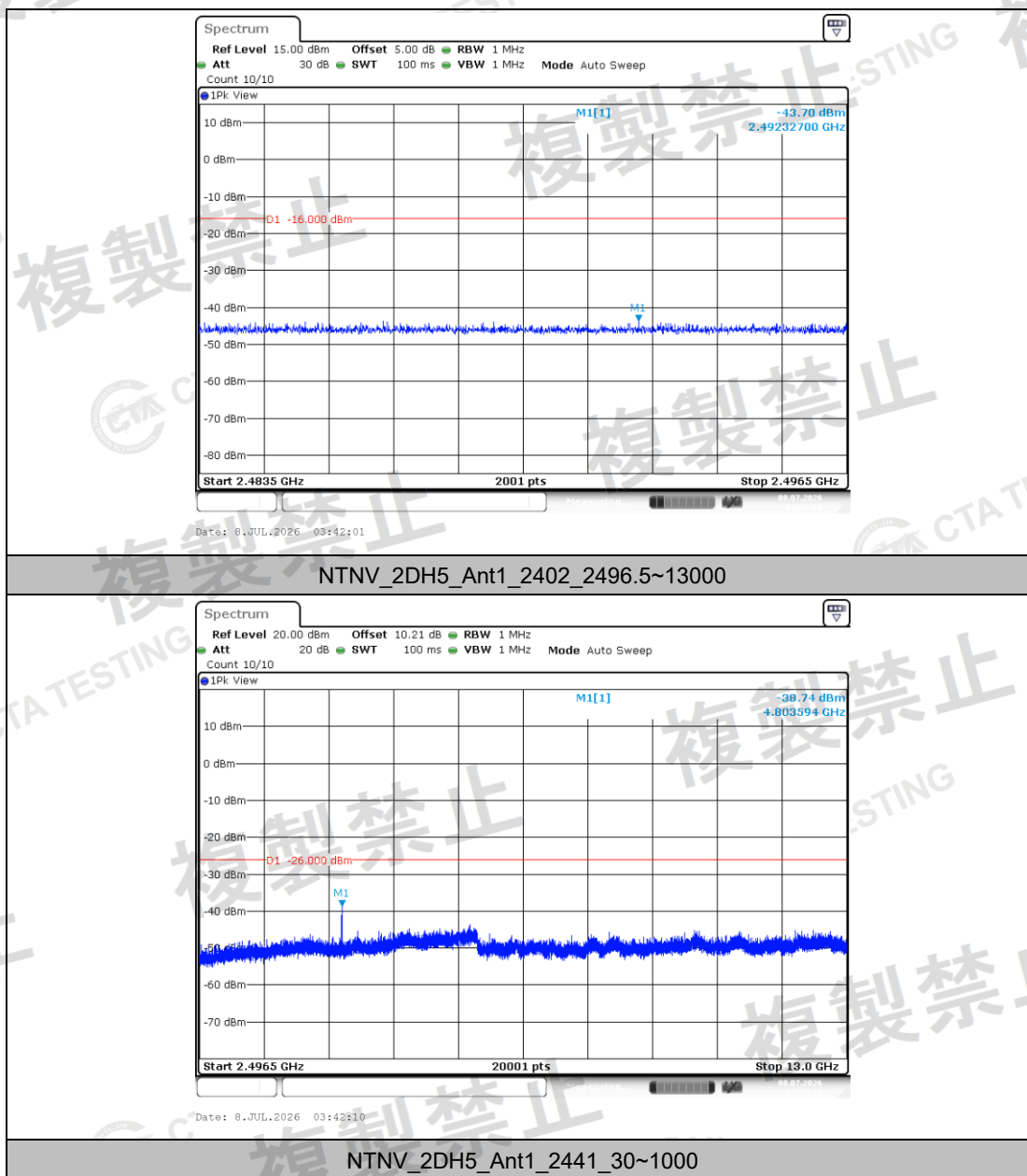
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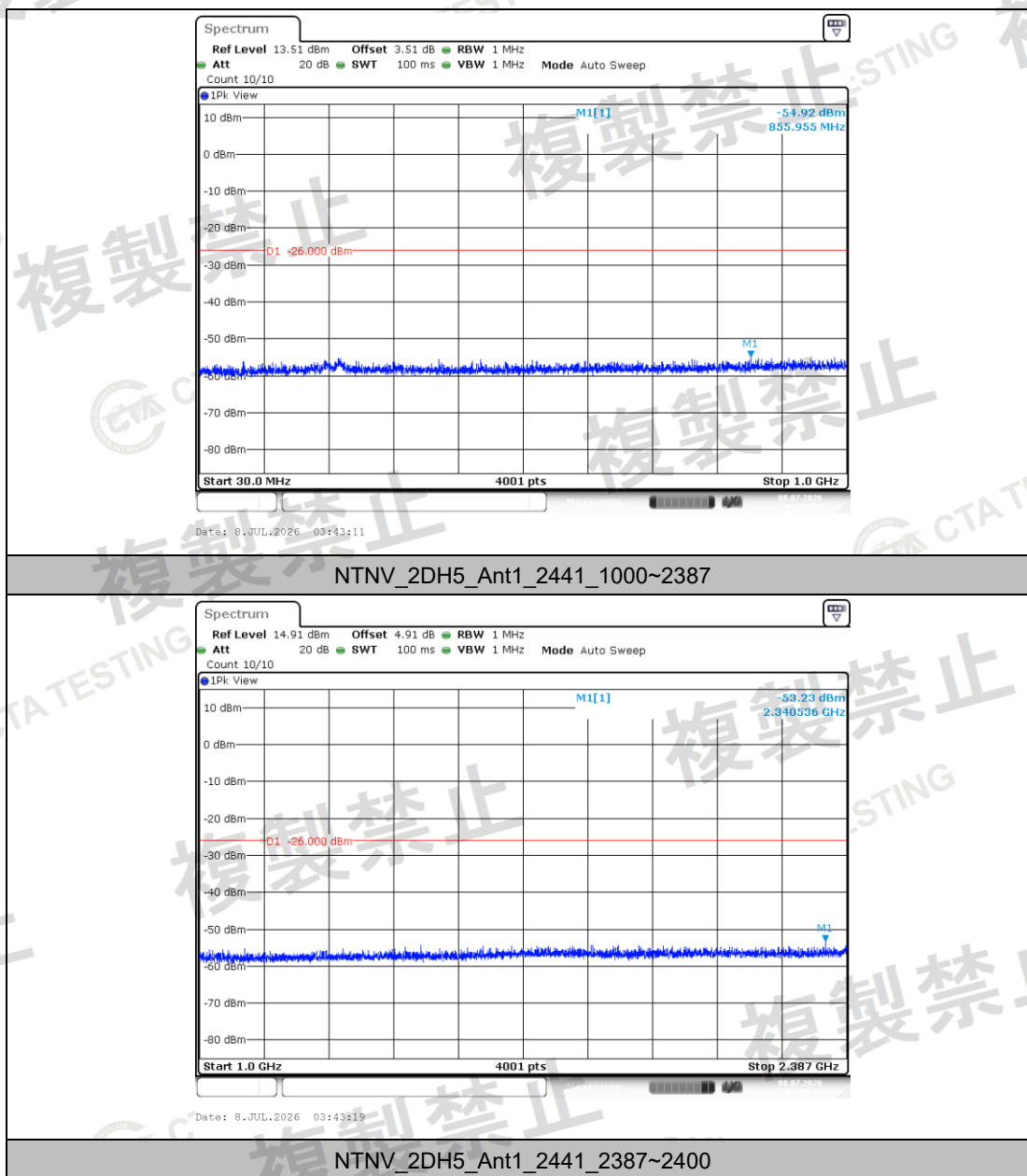
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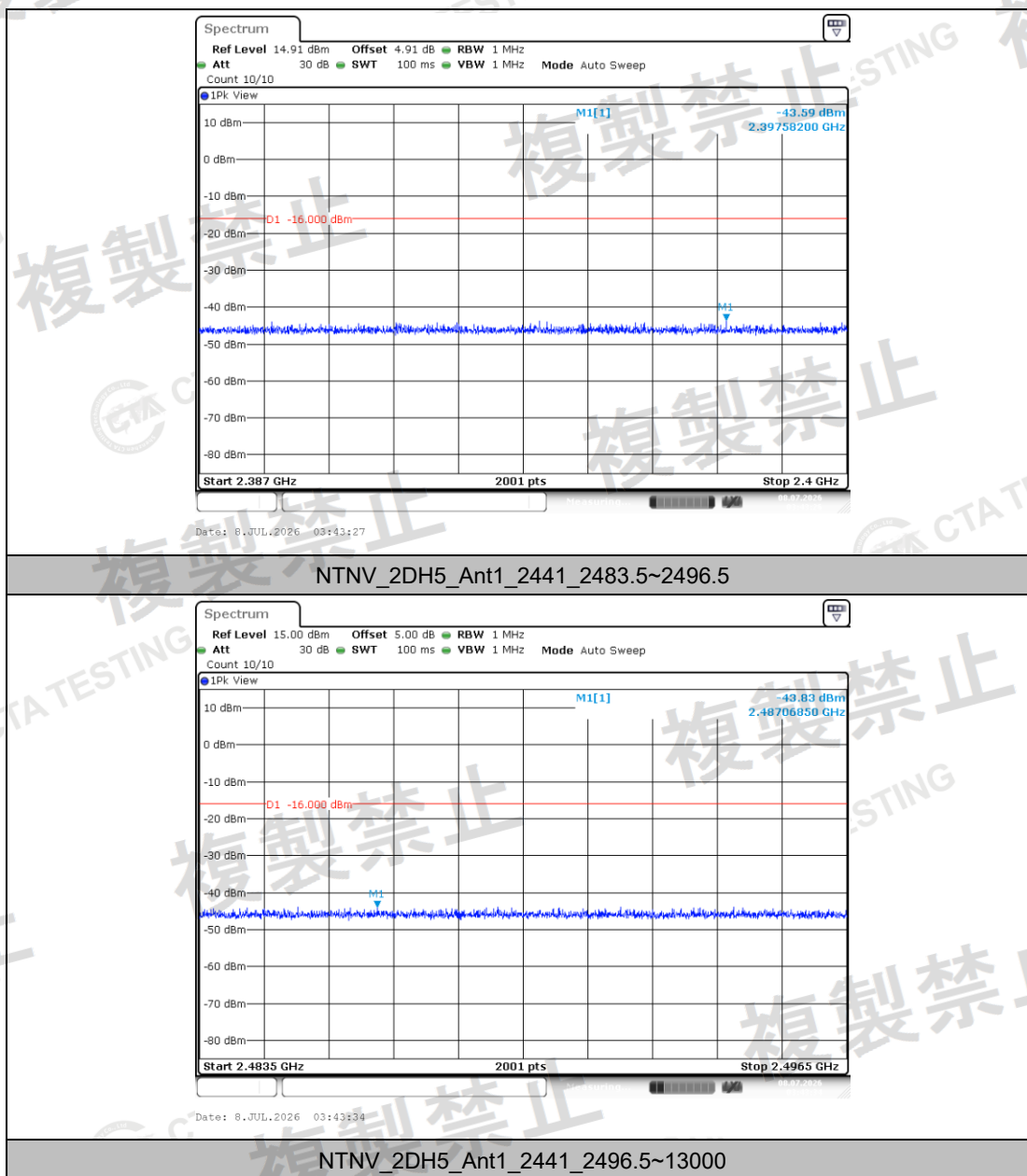
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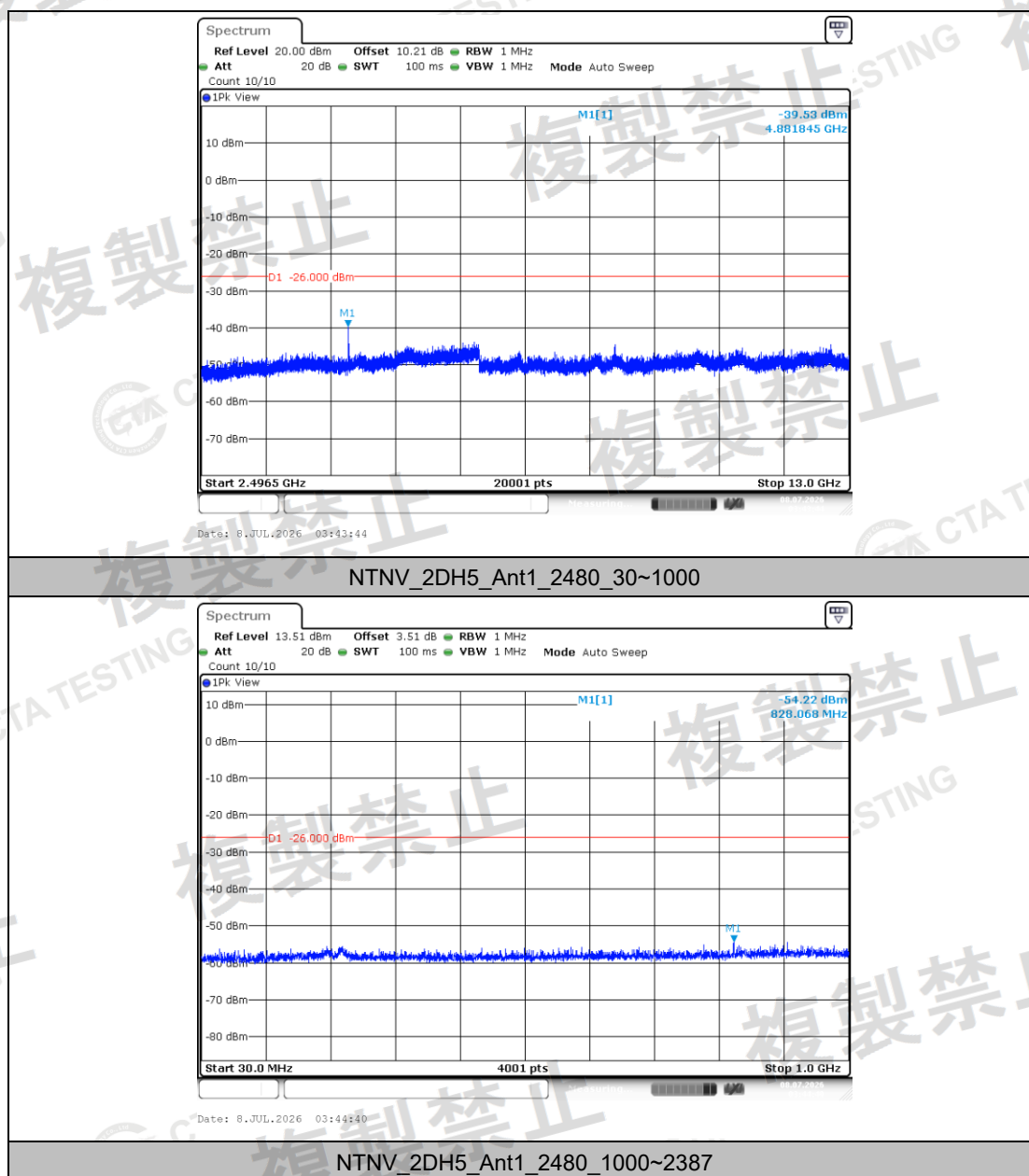
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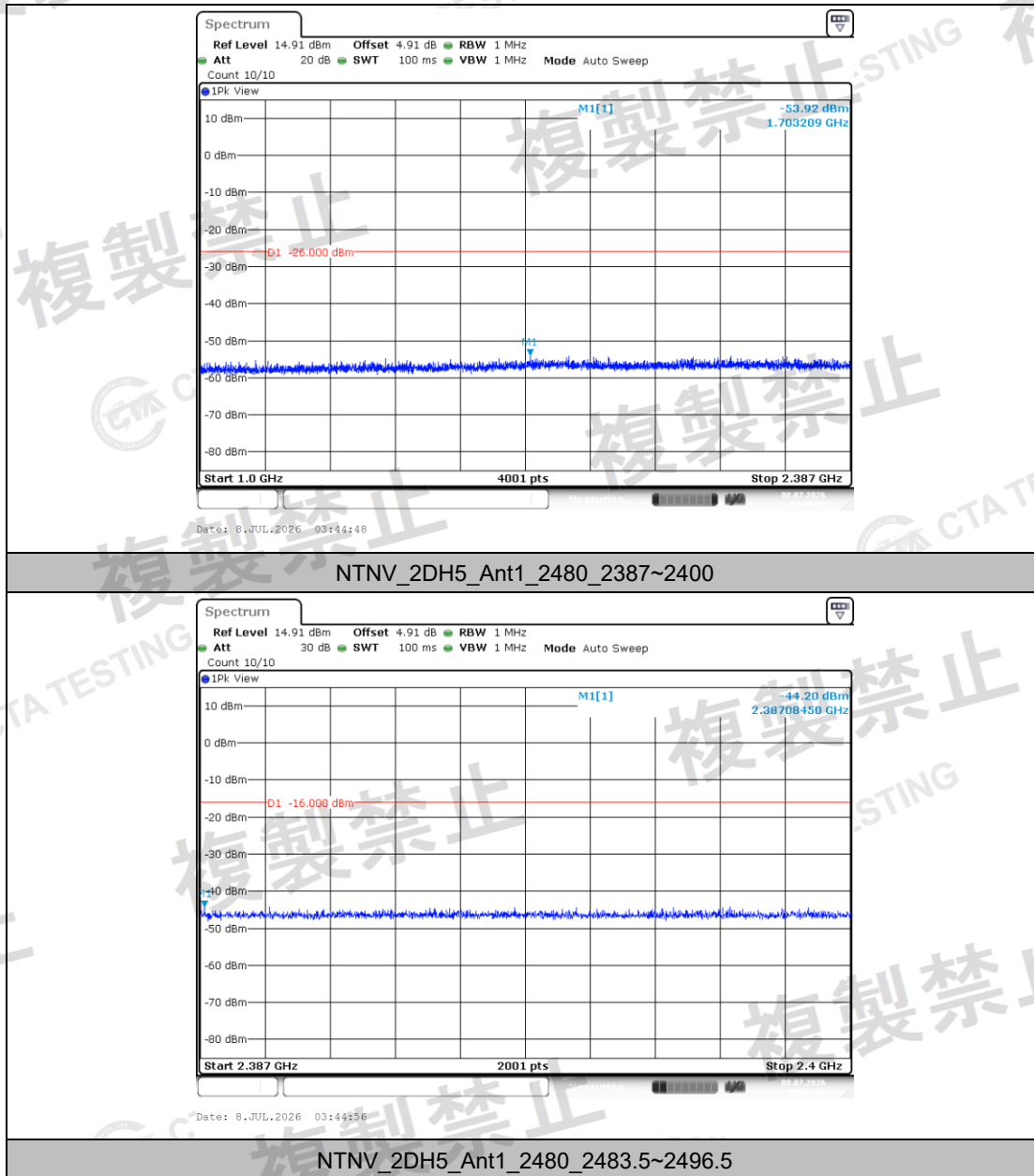
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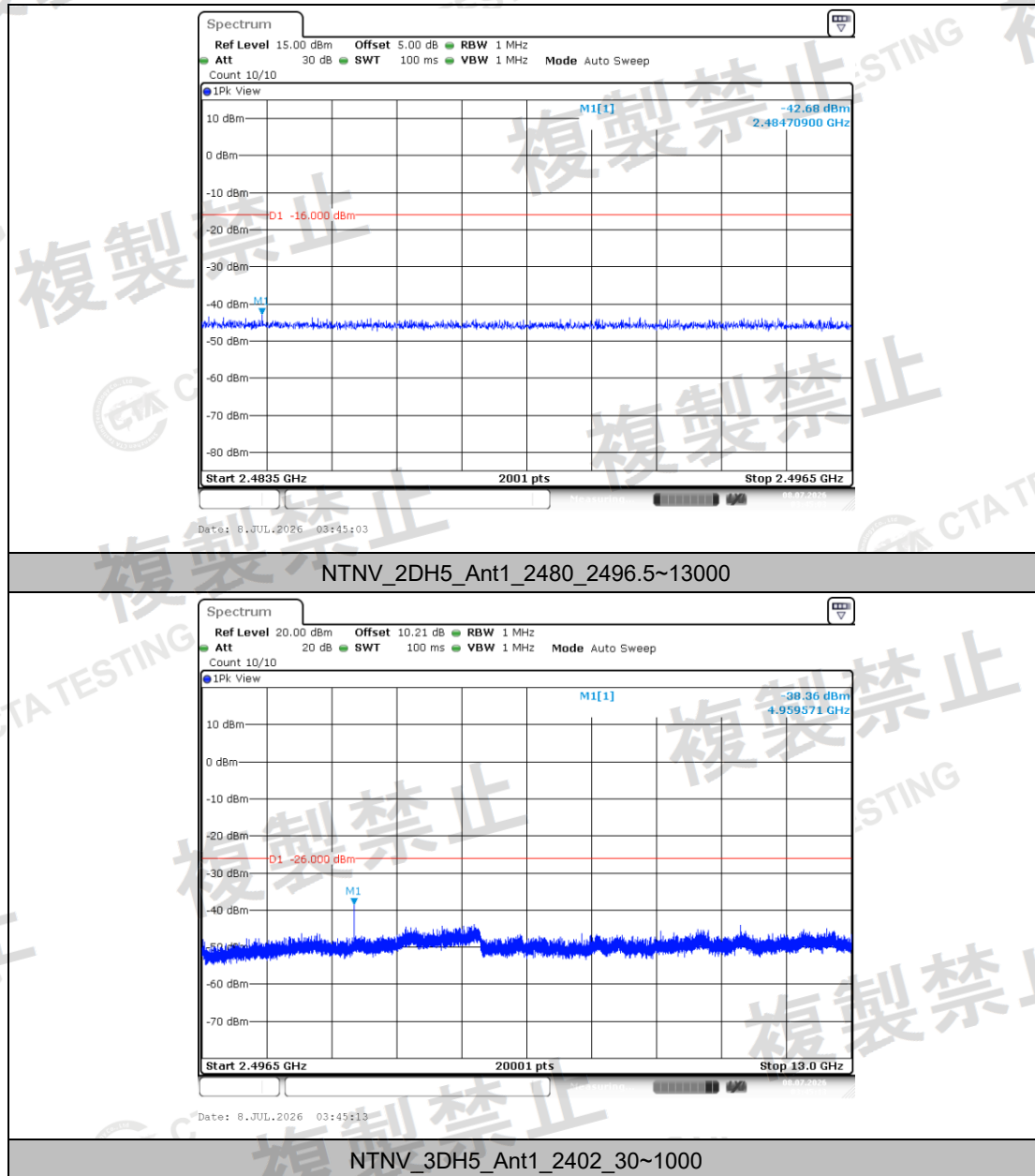
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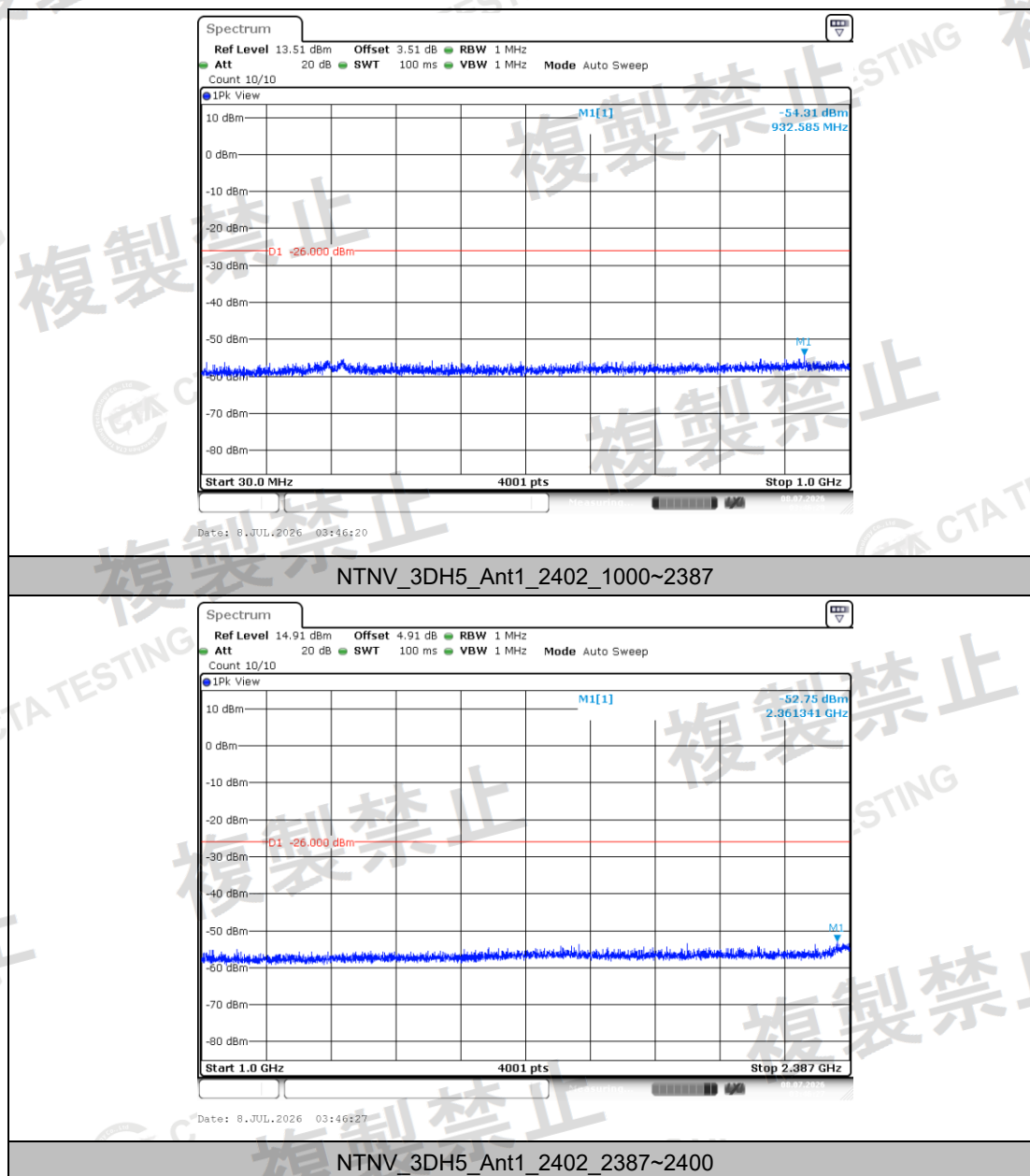
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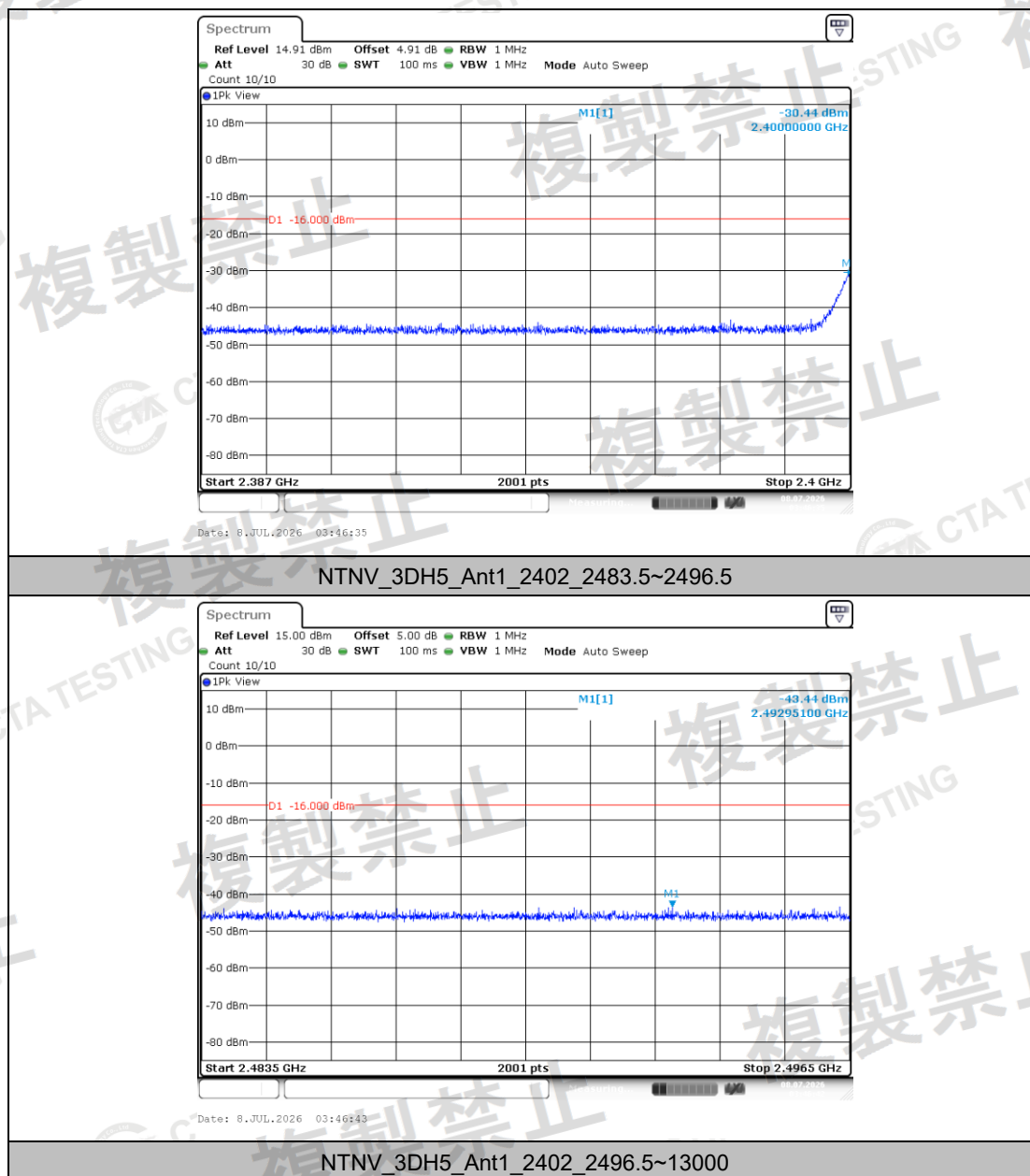
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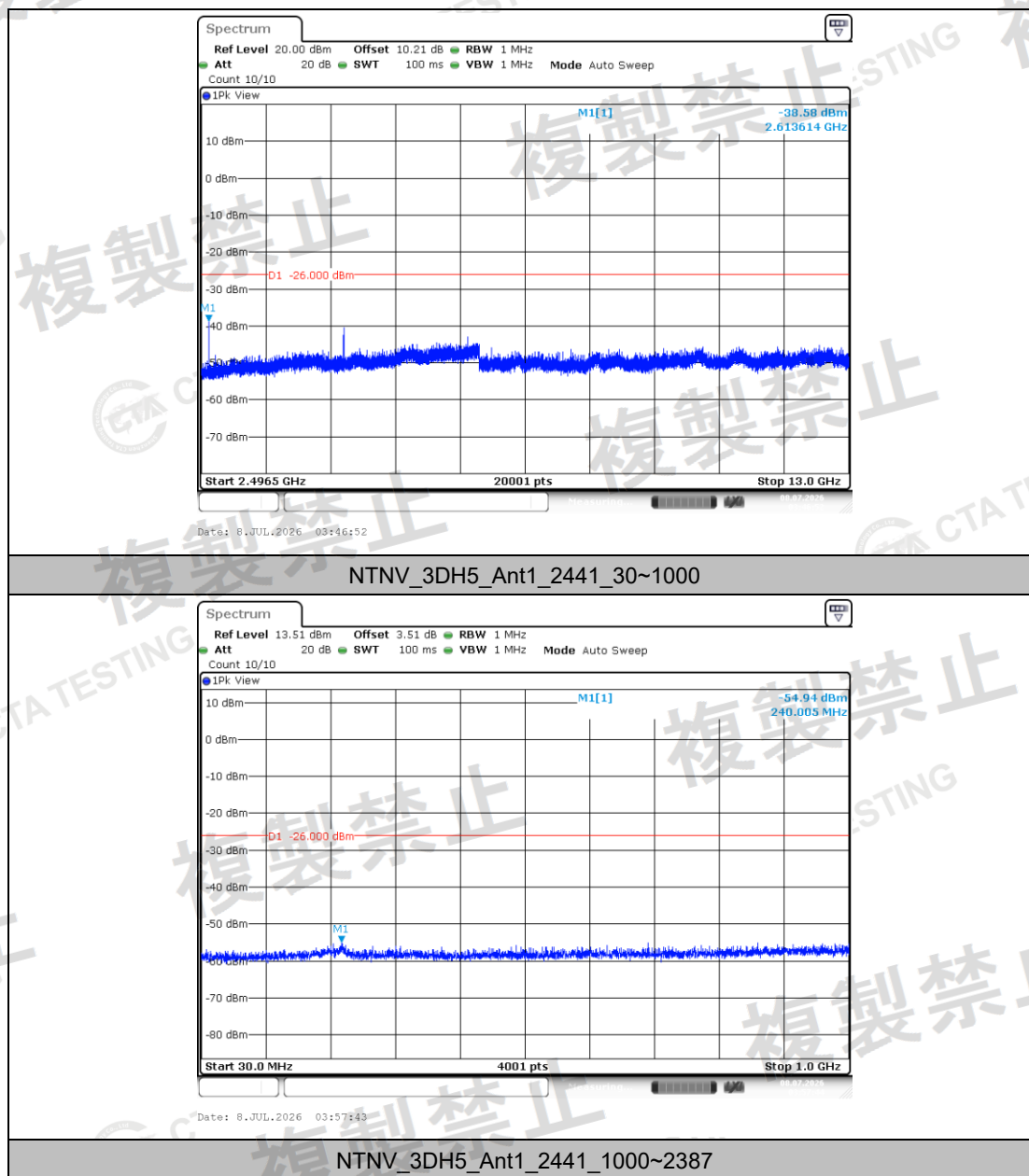
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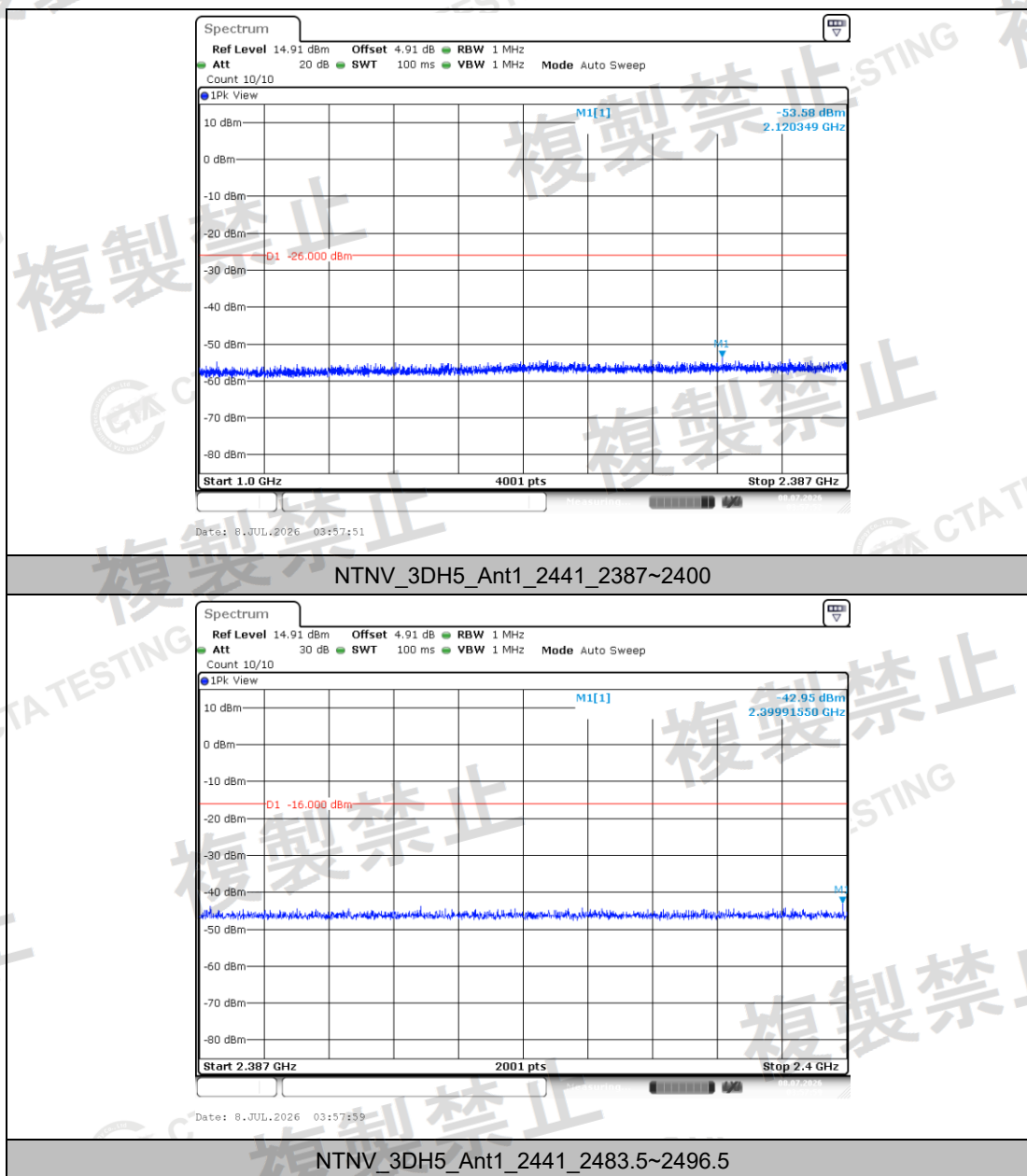
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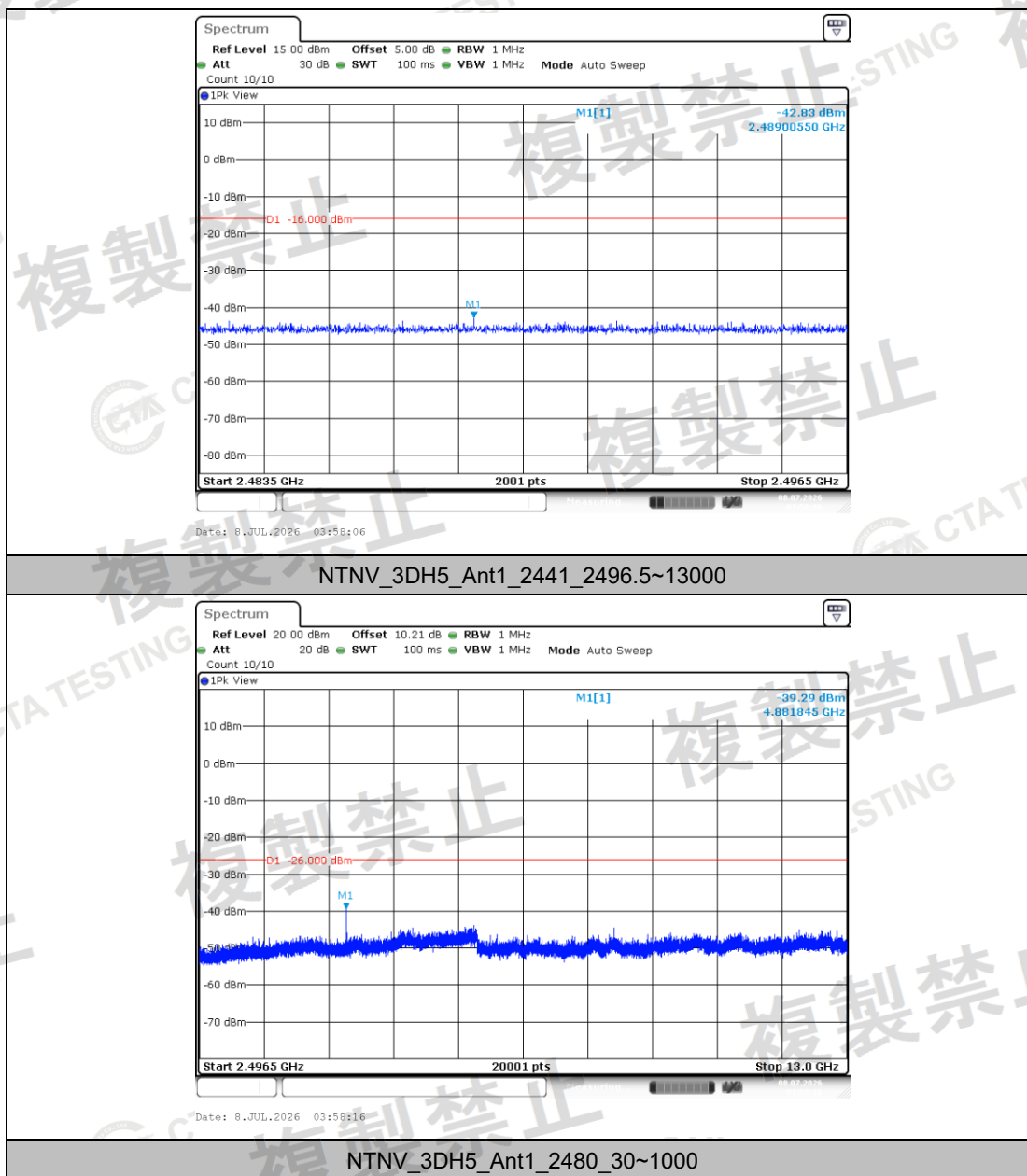
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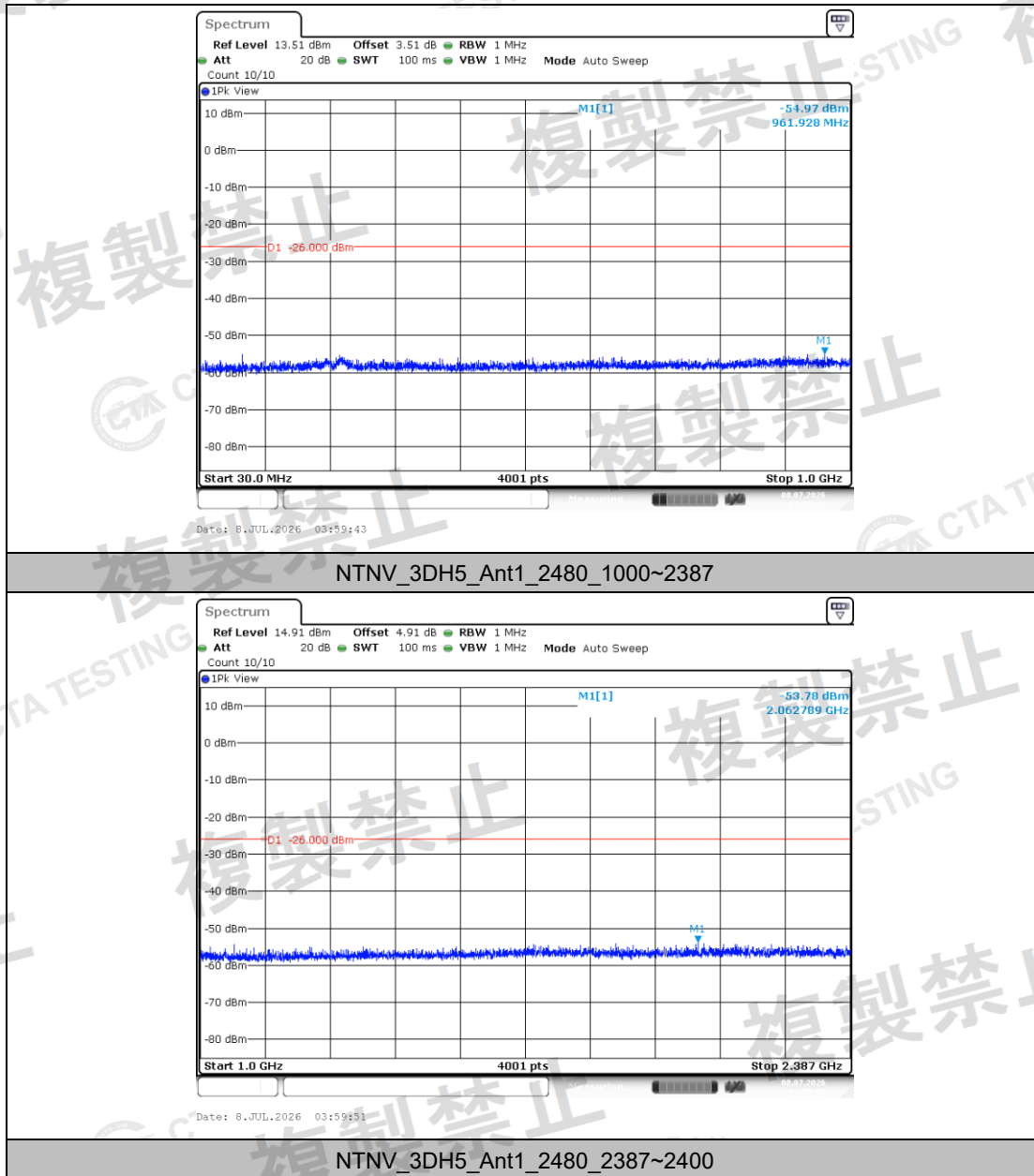
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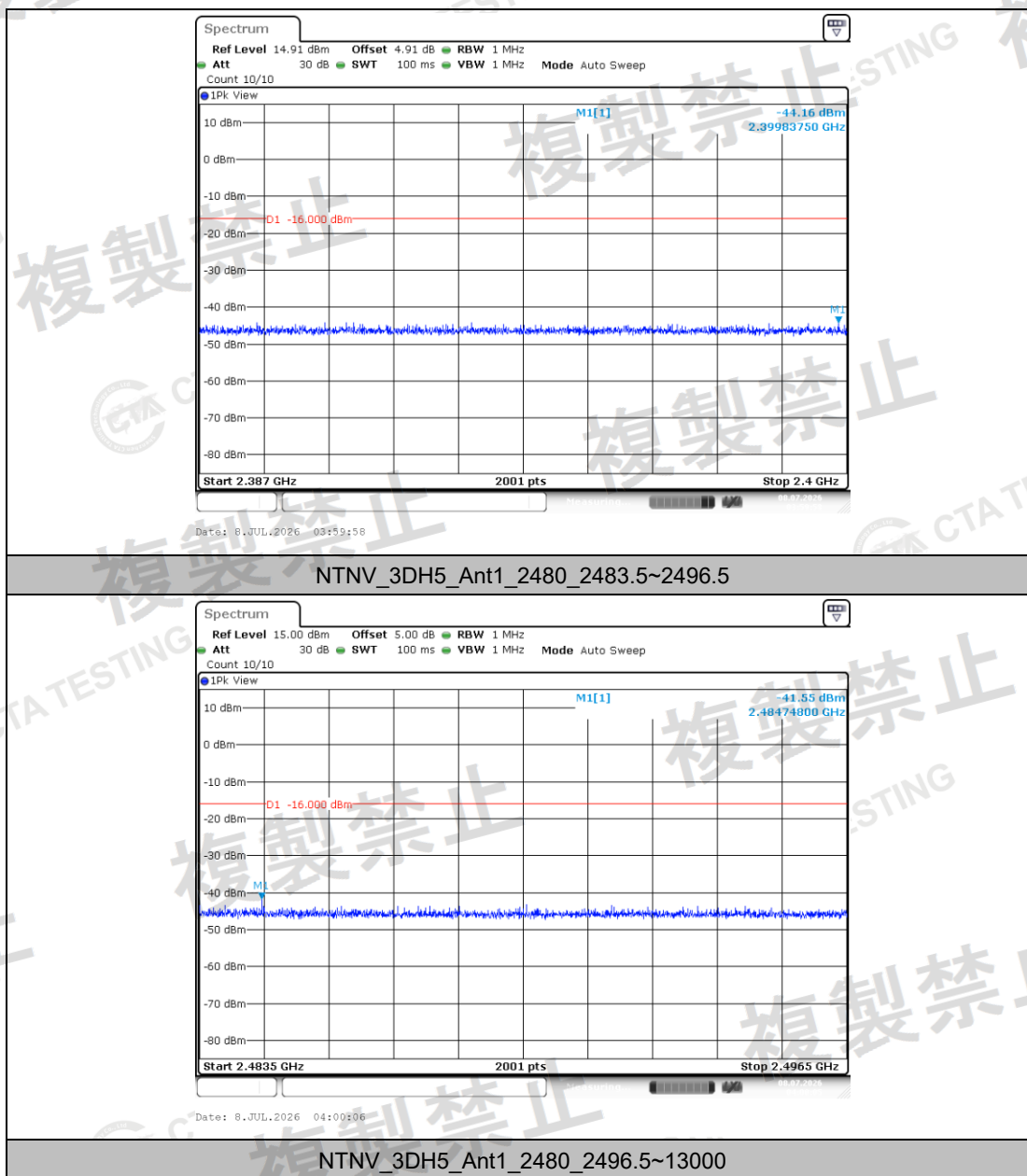
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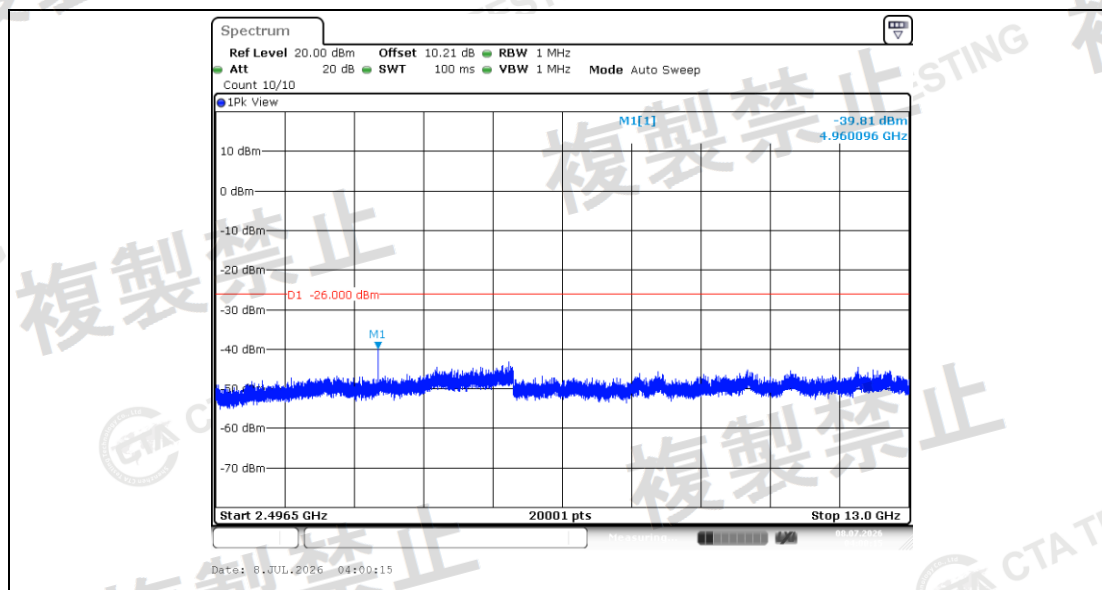
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Appendix E: Spurious Emission of RX

Test Result

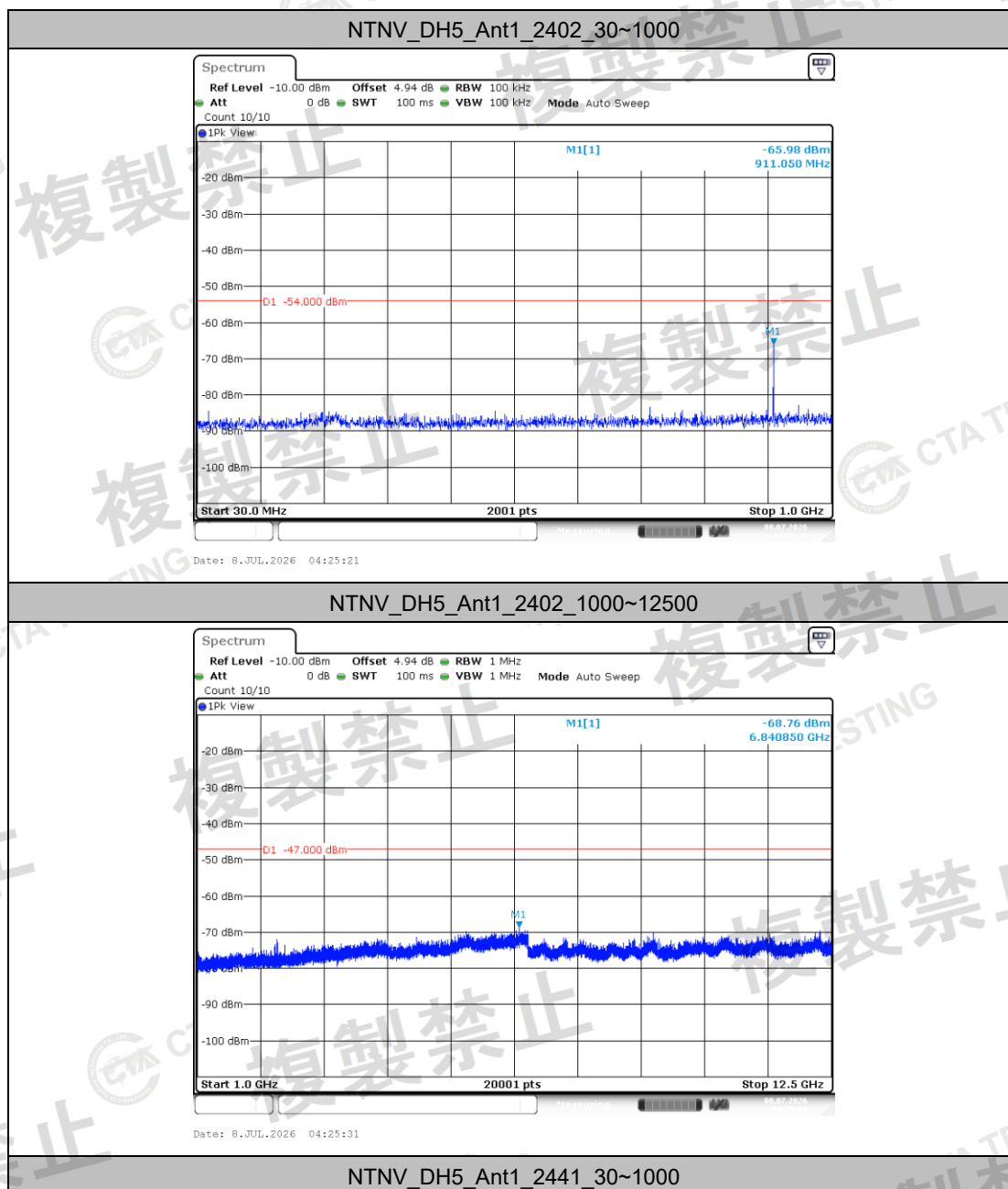
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NTNV	DH5	Ant1	2402	30~1000	911.05	-65.98	≤-54	0.25235	≤4	PASS
				1000~12500	6840.85	-68.76	≤-47	0.13305	≤20	PASS
			2441	30~1000	838.82	-82.89	≤-54	0.00514	≤4	PASS
				1000~12500	6898.92	-69.47	≤-47	0.11298	≤20	PASS
			2480	30~1000	202.33	-83.22	≤-54	0.00476	≤4	PASS
				1000~12500	6967.34	-69.86	≤-47	0.10328	≤20	PASS
	2DH5	Ant1	2402	30~1000	217.36	-83.32	≤-54	0.00466	≤4	PASS
				1000~12500	6747.13	-69.85	≤-47	0.10351	≤20	PASS
			2441	30~1000	898.93	-83.75	≤-54	0.00422	≤4	PASS
				1000~12500	5213.10	-66.99	≤-47	0.19999	≤20	PASS
			2480	30~1000	528.57	-84.09	≤-54	0.00390	≤4	PASS
				1000~12500	6800.02	-69.28	≤-47	0.11803	≤20	PASS
	3DH5	Ant1	2402	30~1000	239.17	-83.71	≤-54	0.00426	≤4	PASS
				1000~12500	6993.79	-68.86	≤-47	0.13002	≤20	PASS
			2441	30~1000	202.82	-84.18	≤-54	0.00382	≤4	PASS
				1000~12500	6994.94	-69.45	≤-47	0.11350	≤20	PASS
			2480	30~1000	941.59	-84.10	≤-54	0.00389	≤4	PASS
				1000~12500	6892.59	-69.09	≤-47	0.12331	≤20	PASS



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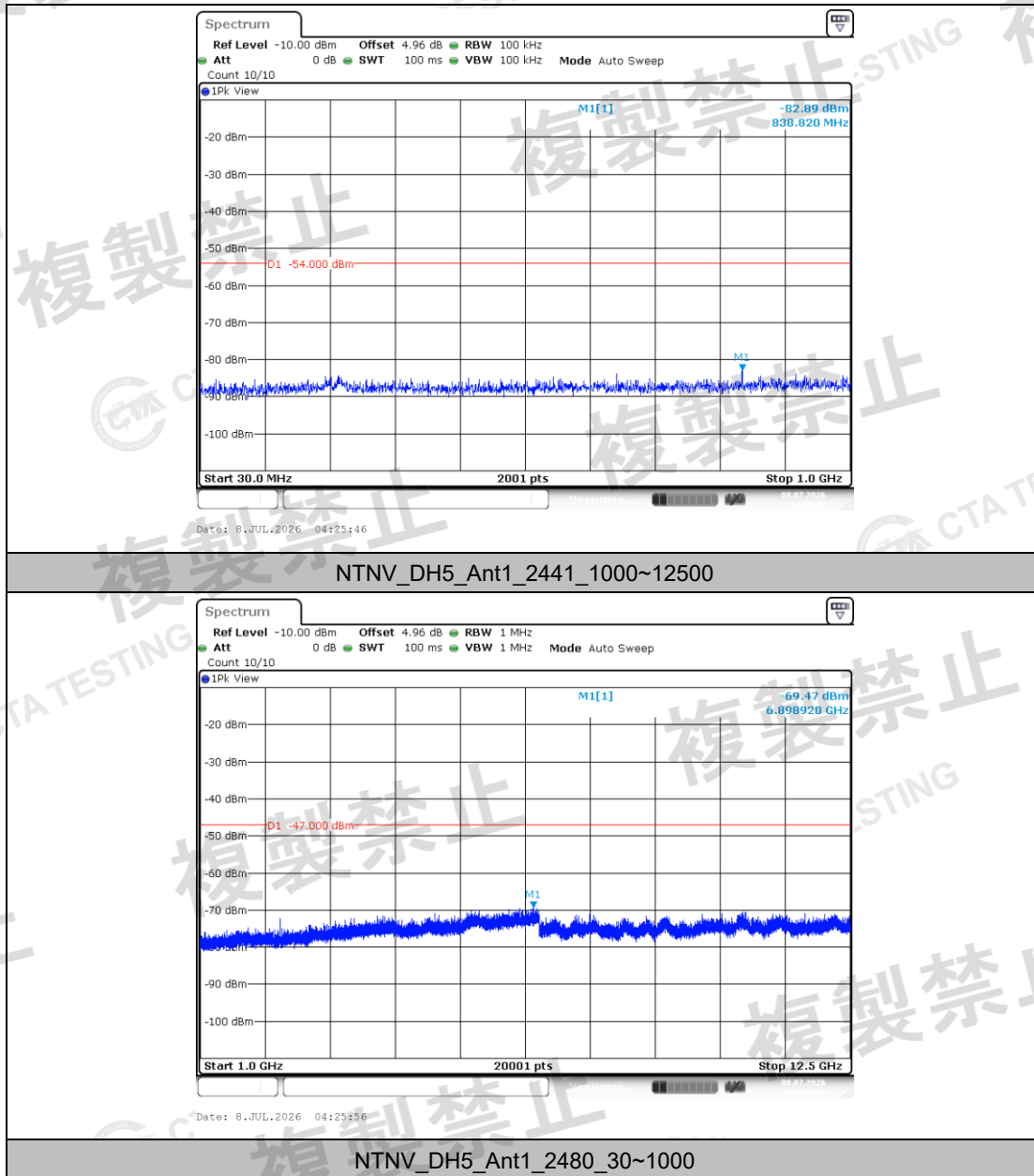
Test Graphs





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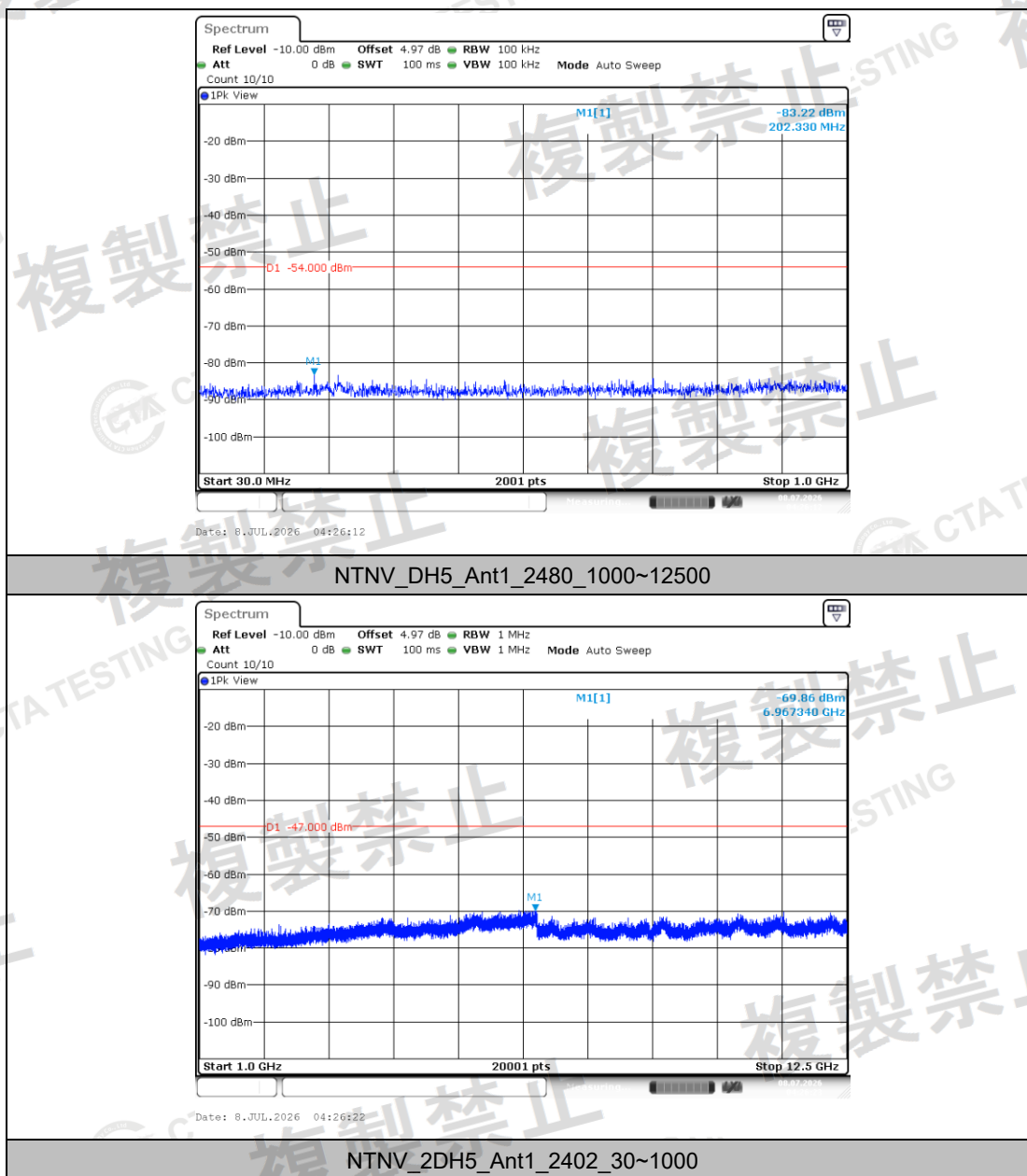
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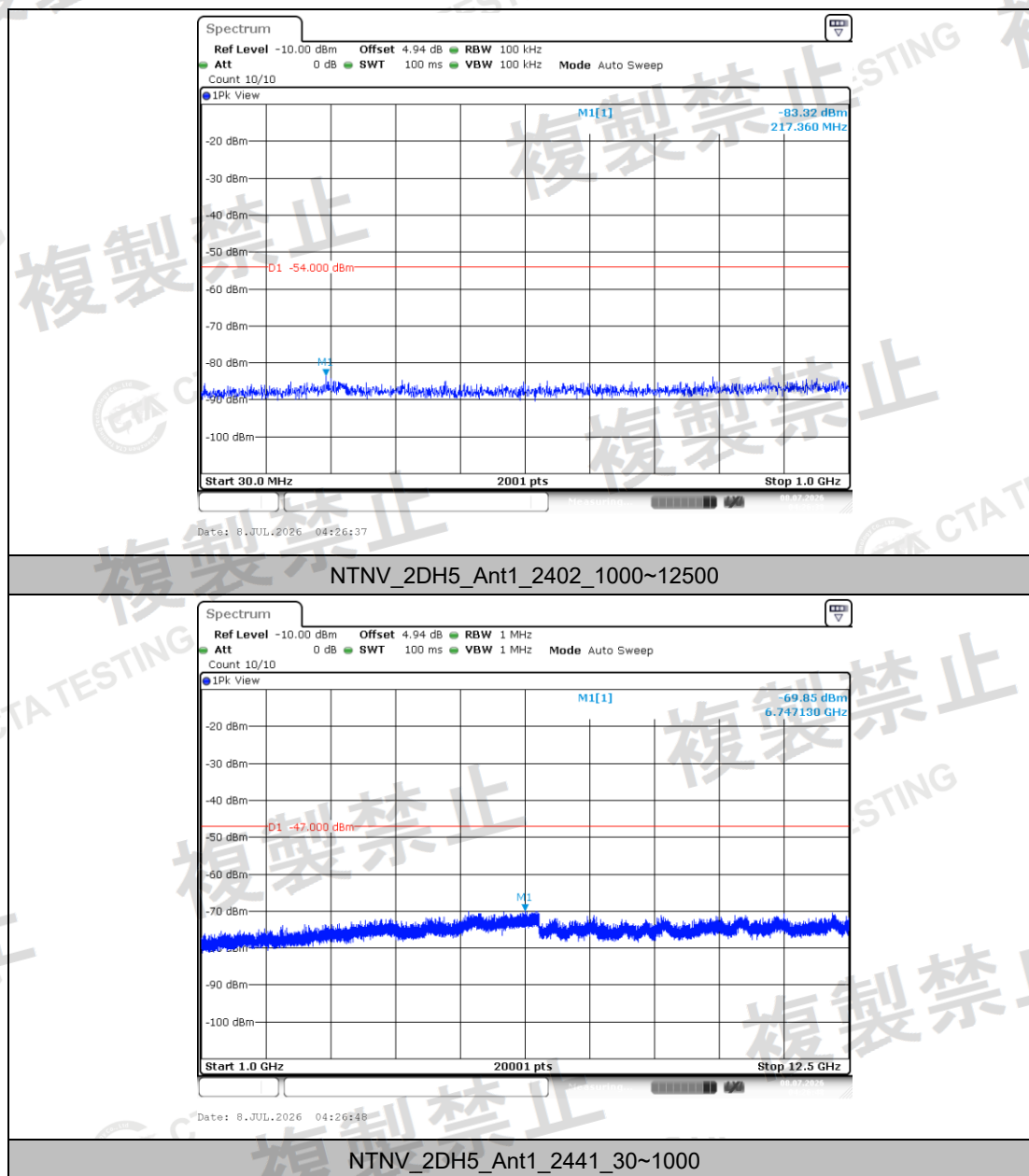
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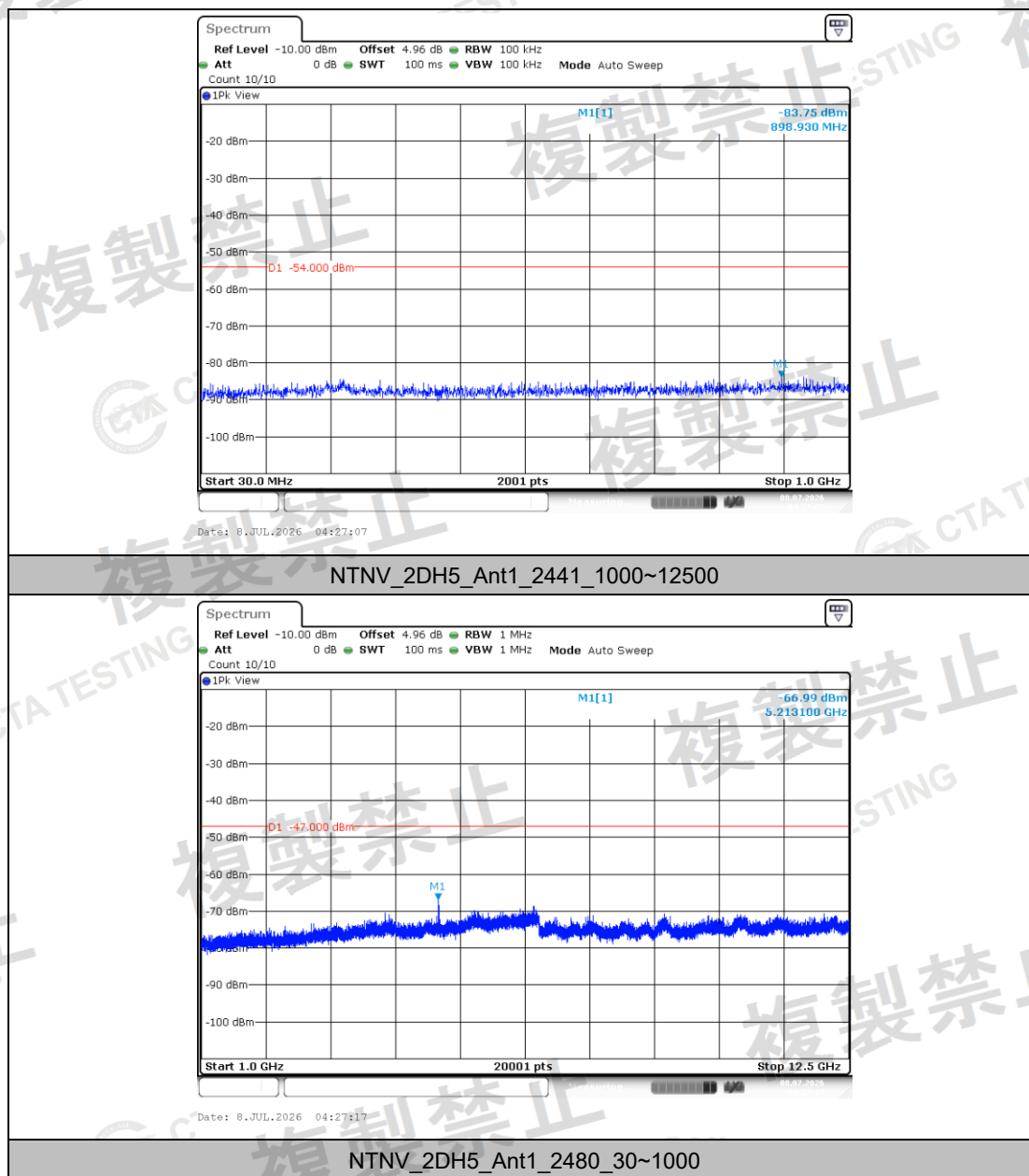
Room 106, Building 1, Yibaolai Industrial Park, Qiaotou Community,
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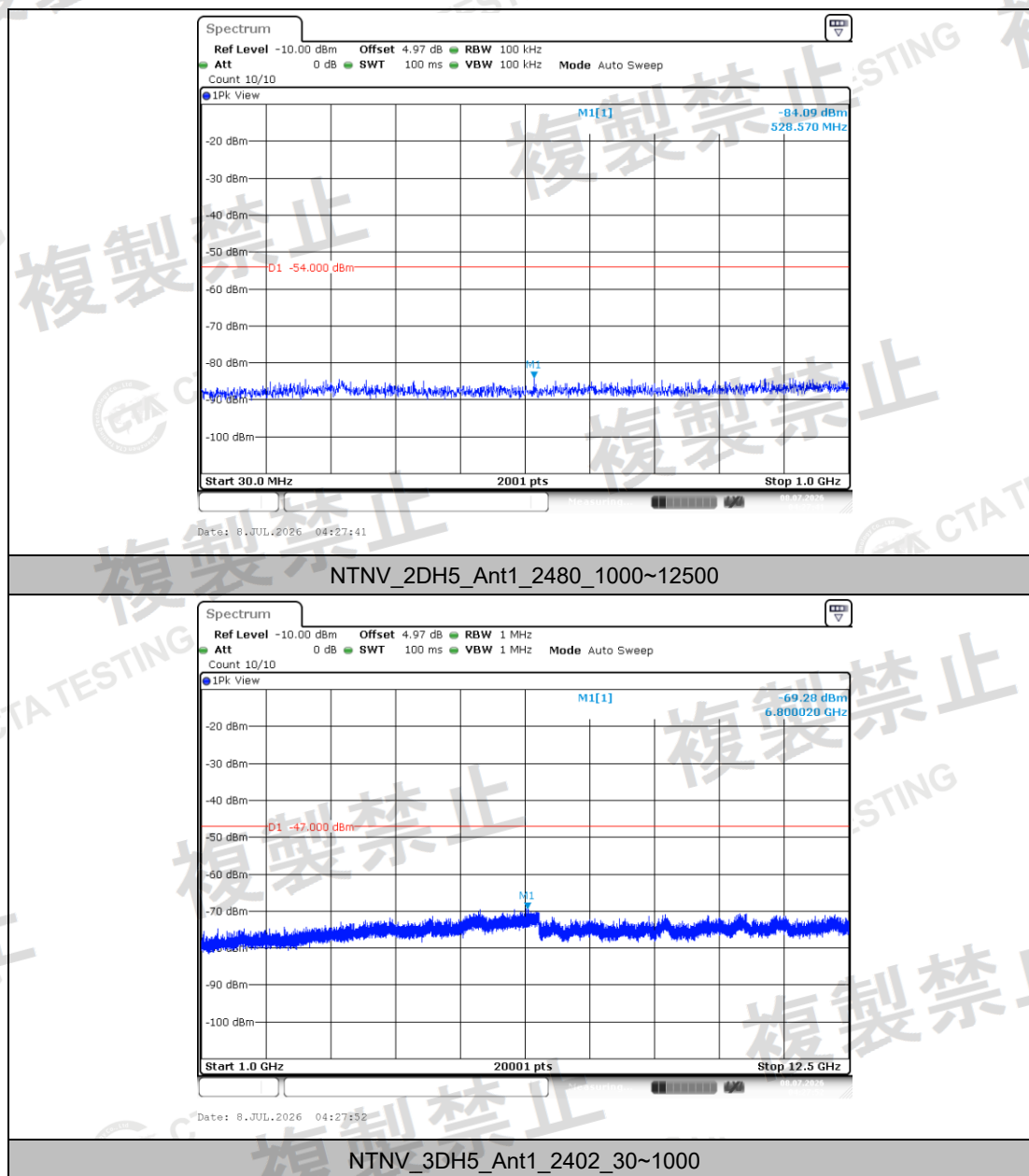
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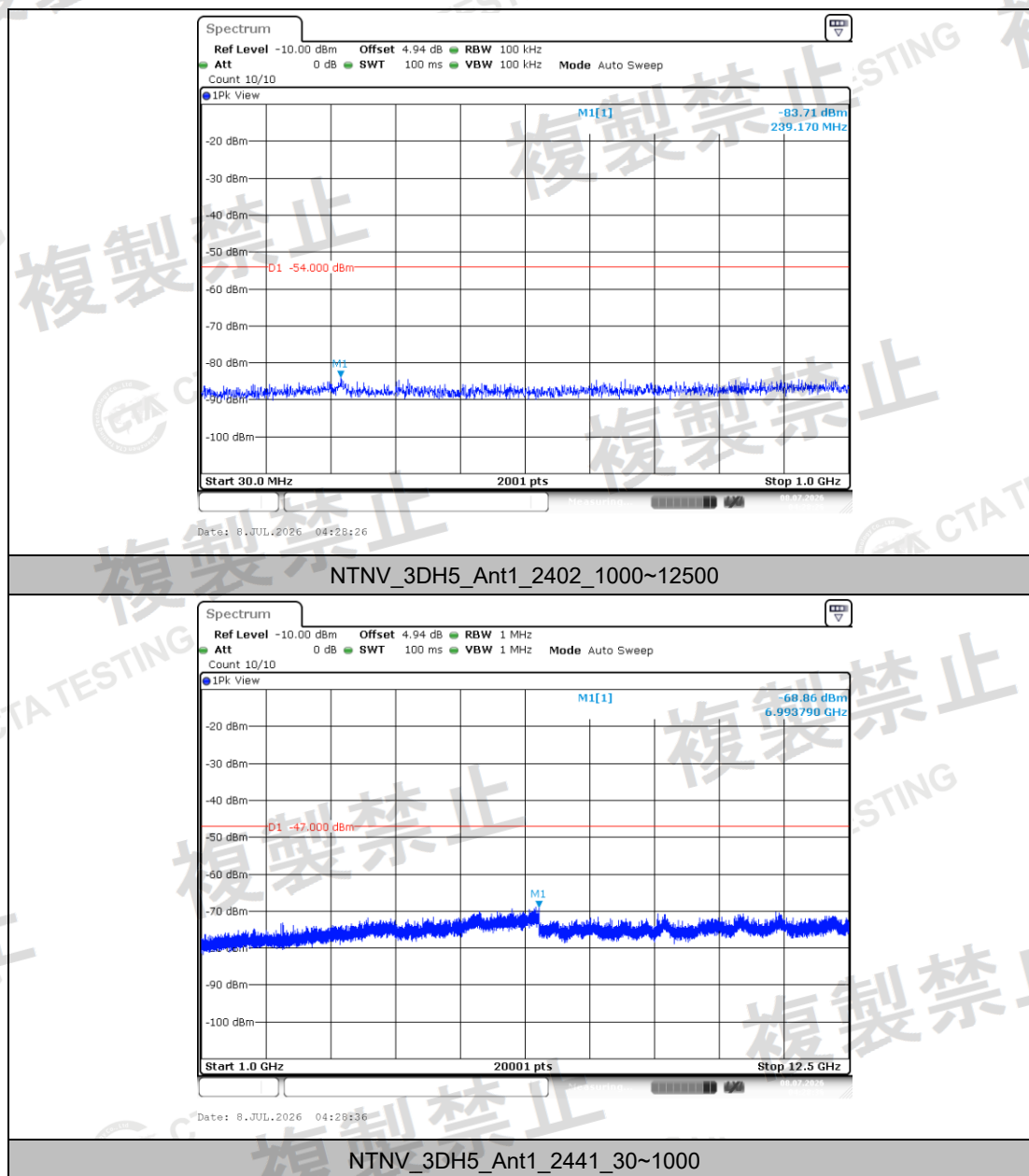
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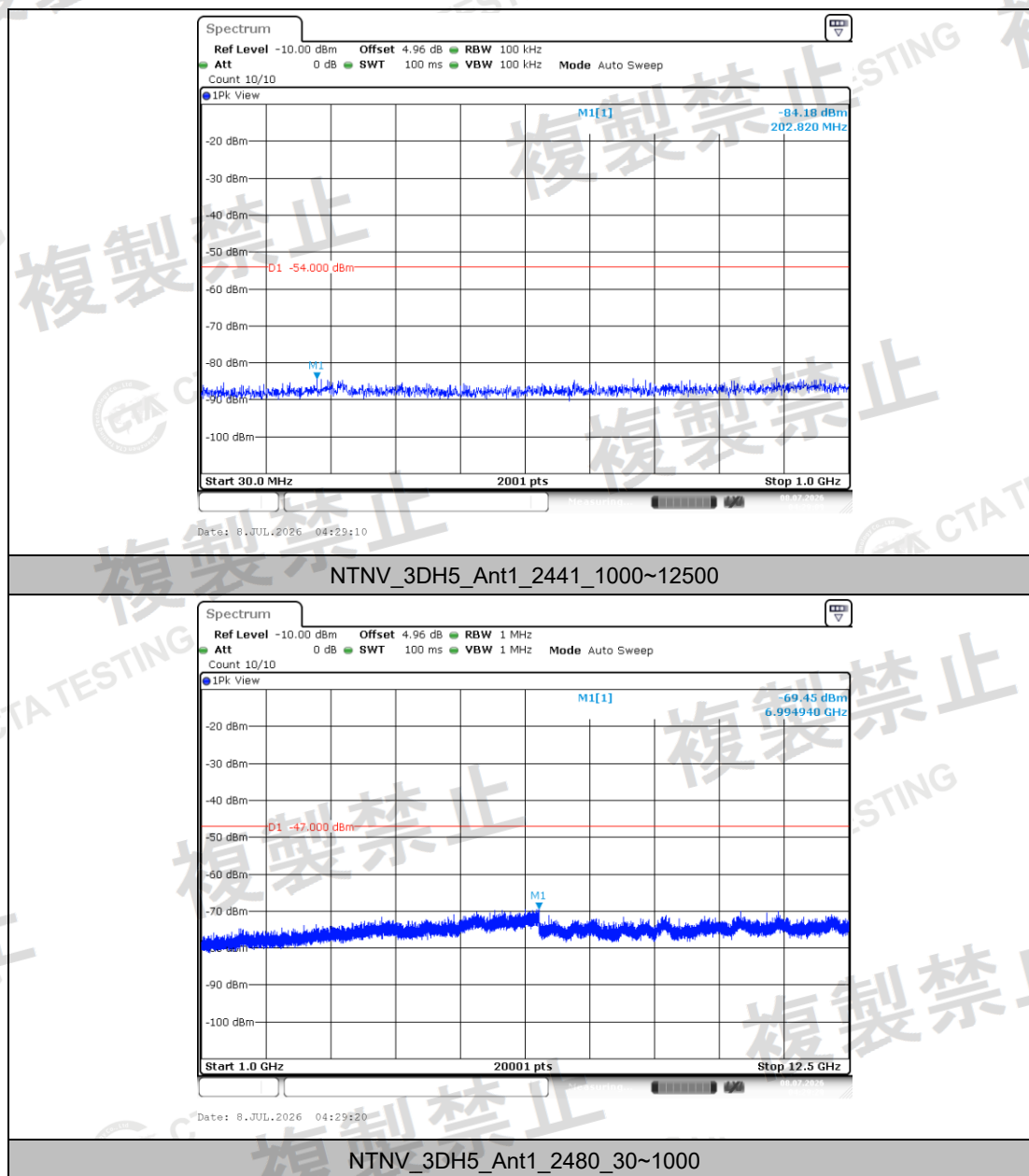
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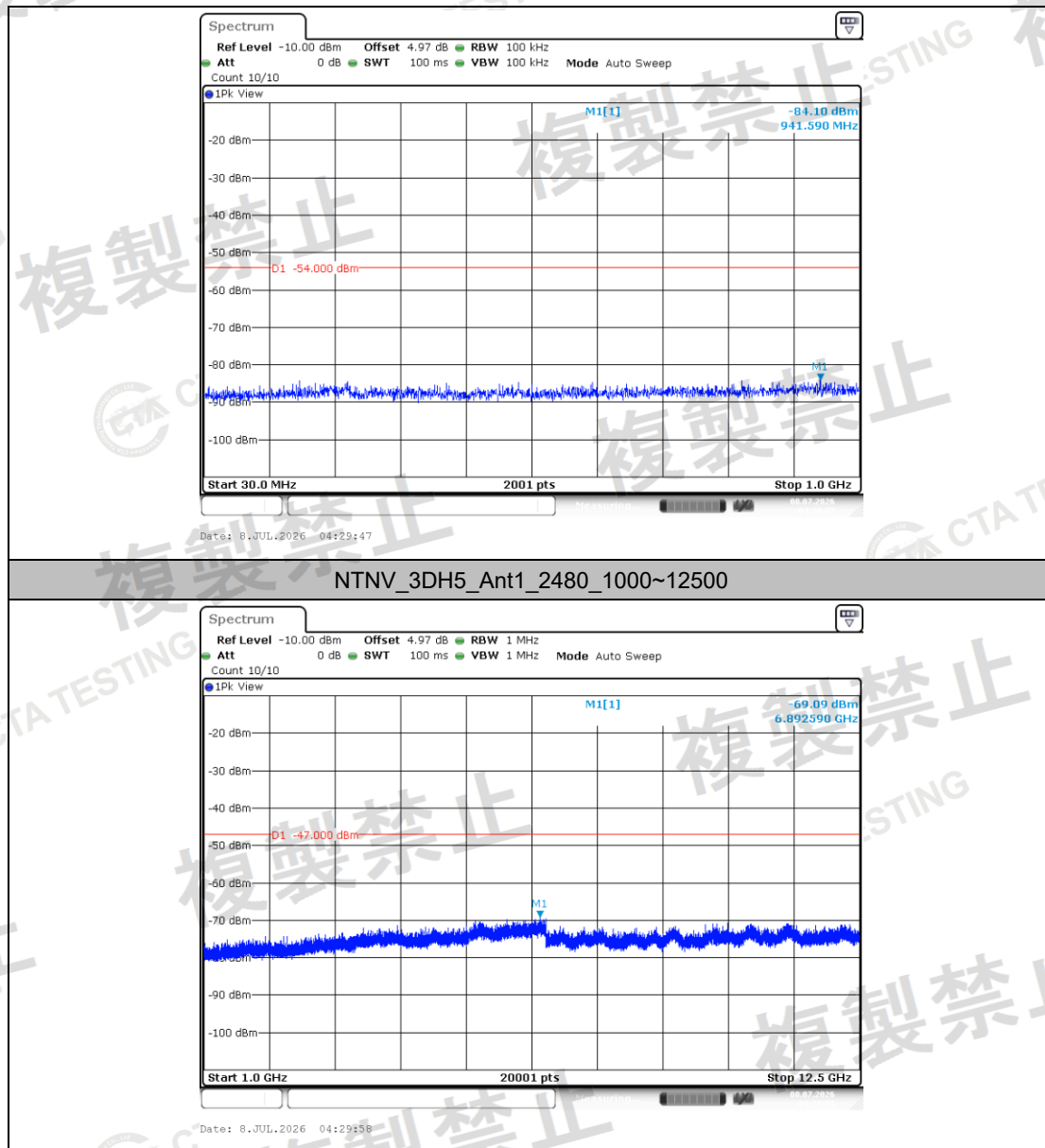
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Appendix F: Dwell Time

Test Result

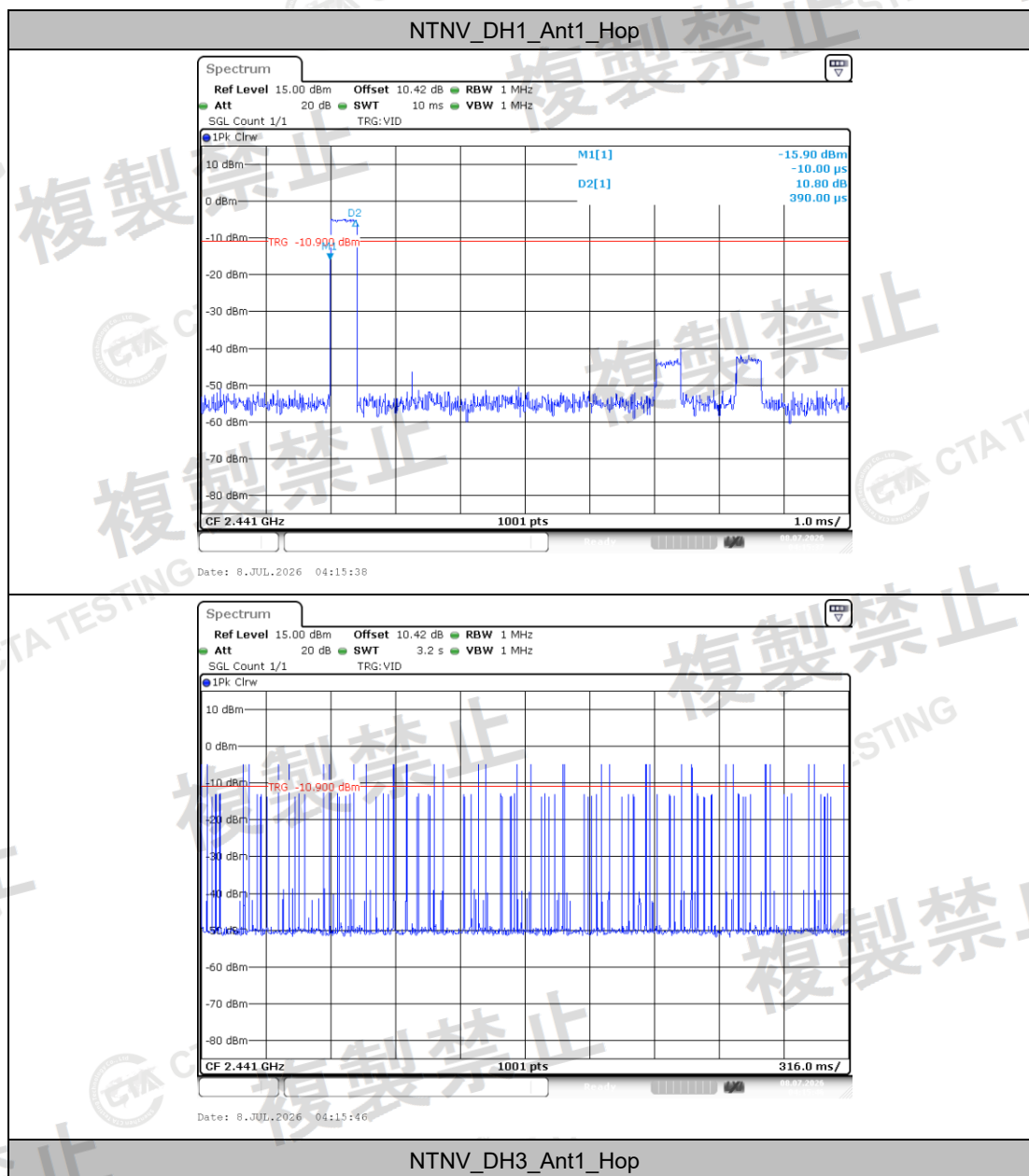
Test Condition	Test Mode	Antenna	Freq(M Hz)	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit [s]	Verdict
NTNV	DH1	Ant1	Hop	0.39	320	0.125	≤0.4	PASS
	DH3	Ant1	Hop	1.65	170	0.281	≤0.4	PASS
	DH5	Ant1	Hop	2.89	60	0.173	≤0.4	PASS
	2DH1	Ant1	Hop	0.39	310	0.121	≤0.4	PASS
	2DH3	Ant1	Hop	1.64	190	0.312	≤0.4	PASS
	2DH5	Ant1	Hop	2.90	60	0.174	≤0.4	PASS
	3DH1	Ant1	Hop	0.40	310	0.124	≤0.4	PASS
	3DH3	Ant1	Hop	1.65	140	0.231	≤0.4	PASS
	3DH5	Ant1	Hop	2.90	100	0.29	≤0.4	PASS



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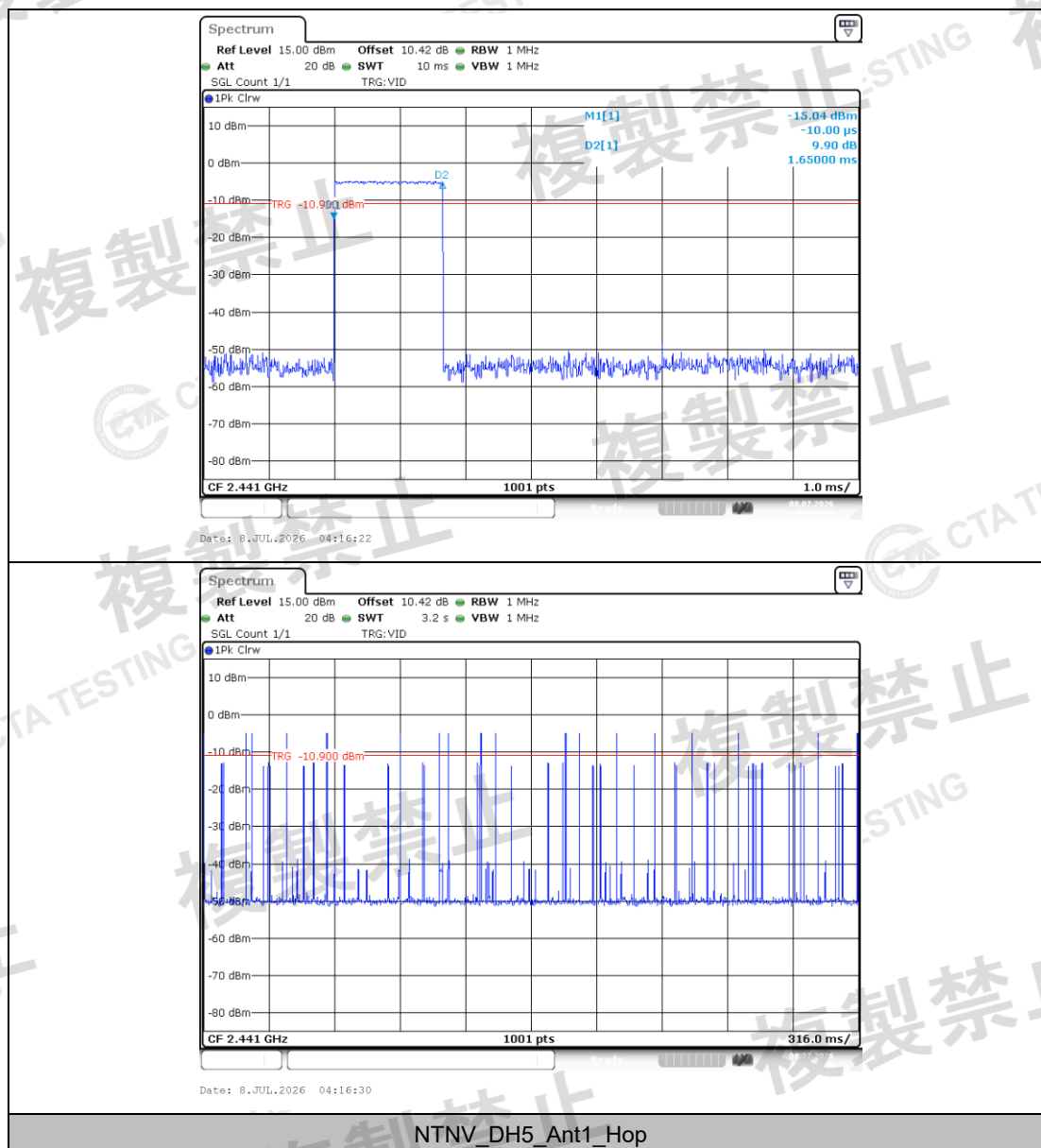
Test Graphs





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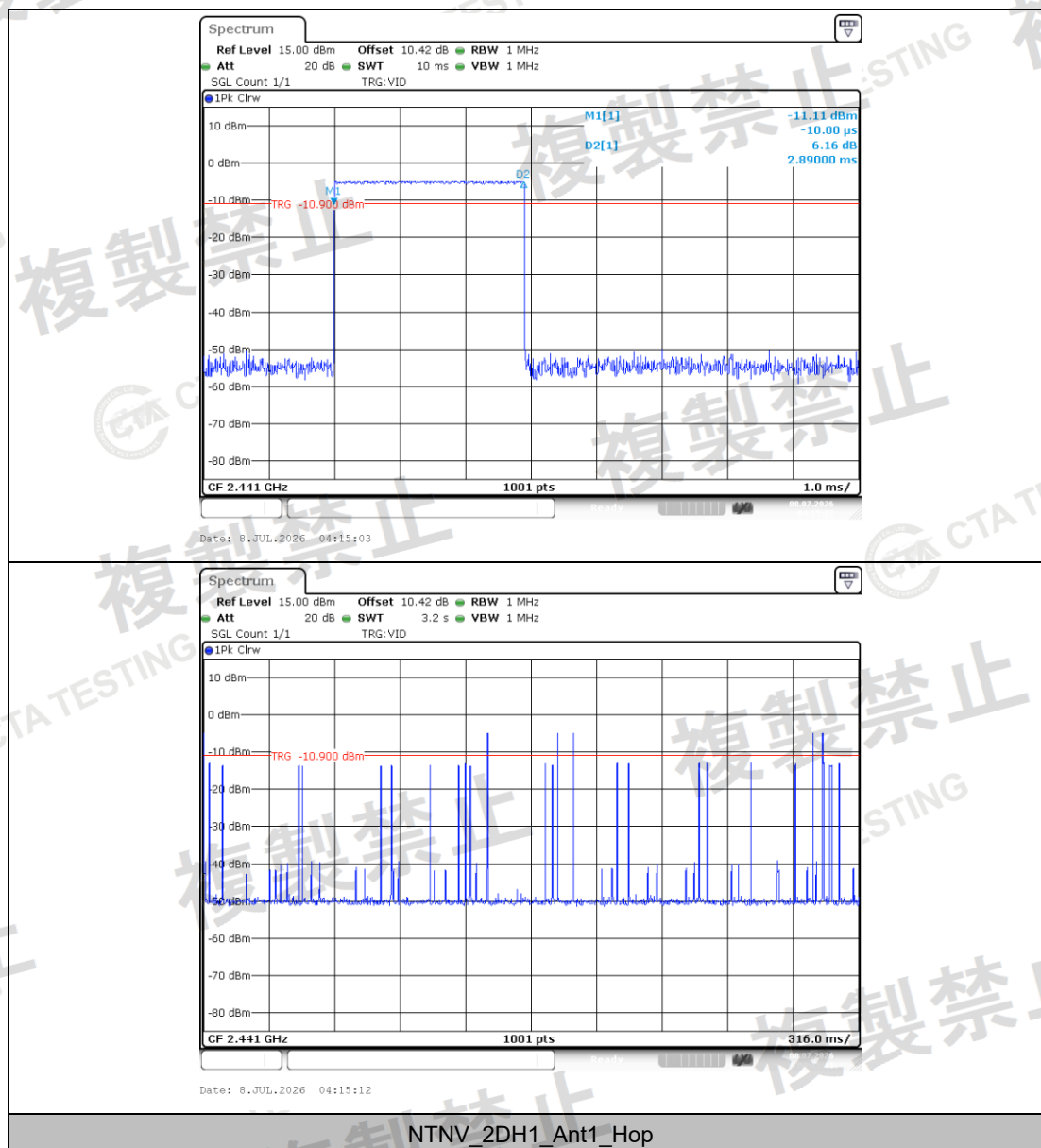
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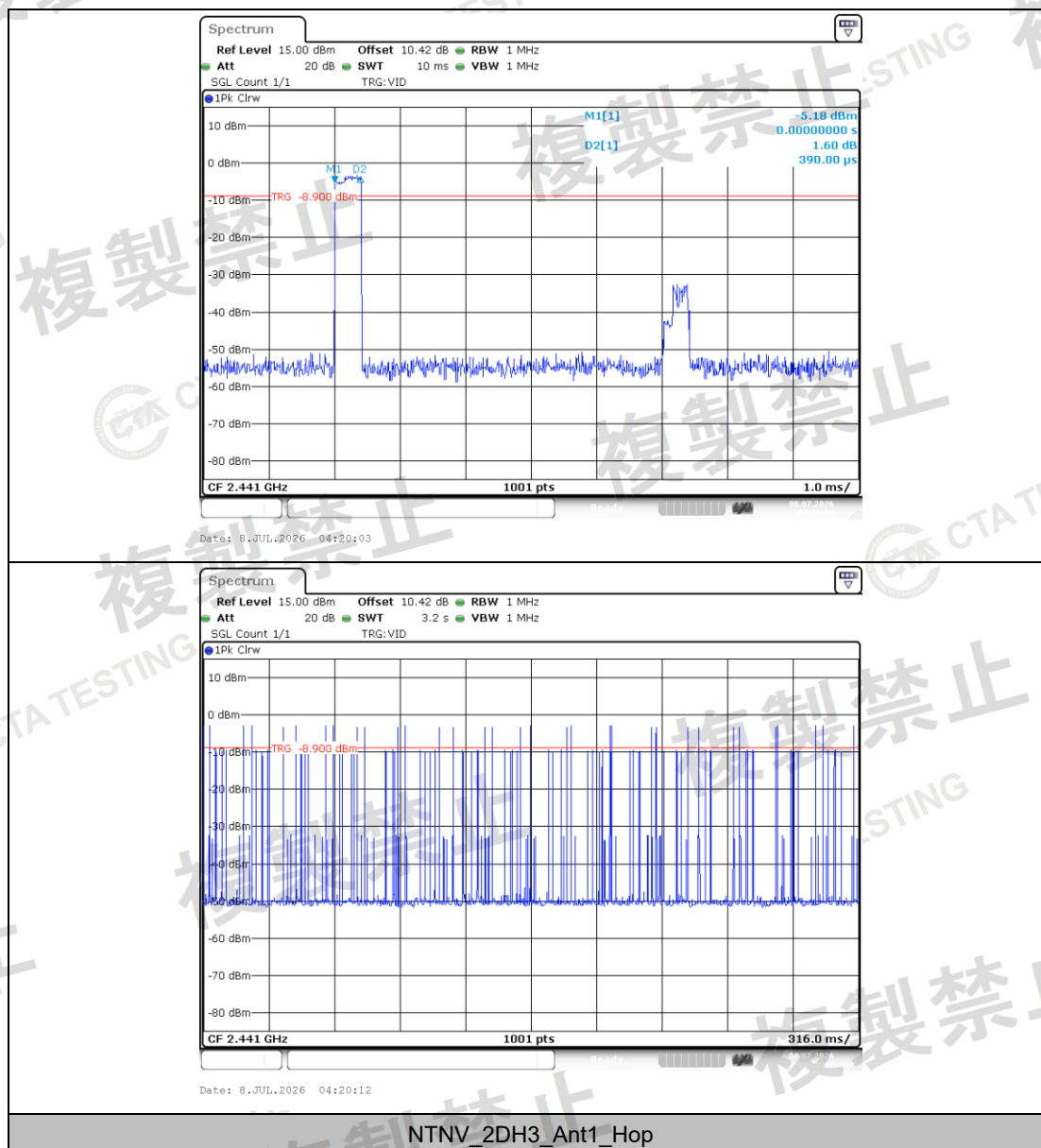
Room 106, Building 1, Yibaolai Industrial Park, Qiaotou Community,
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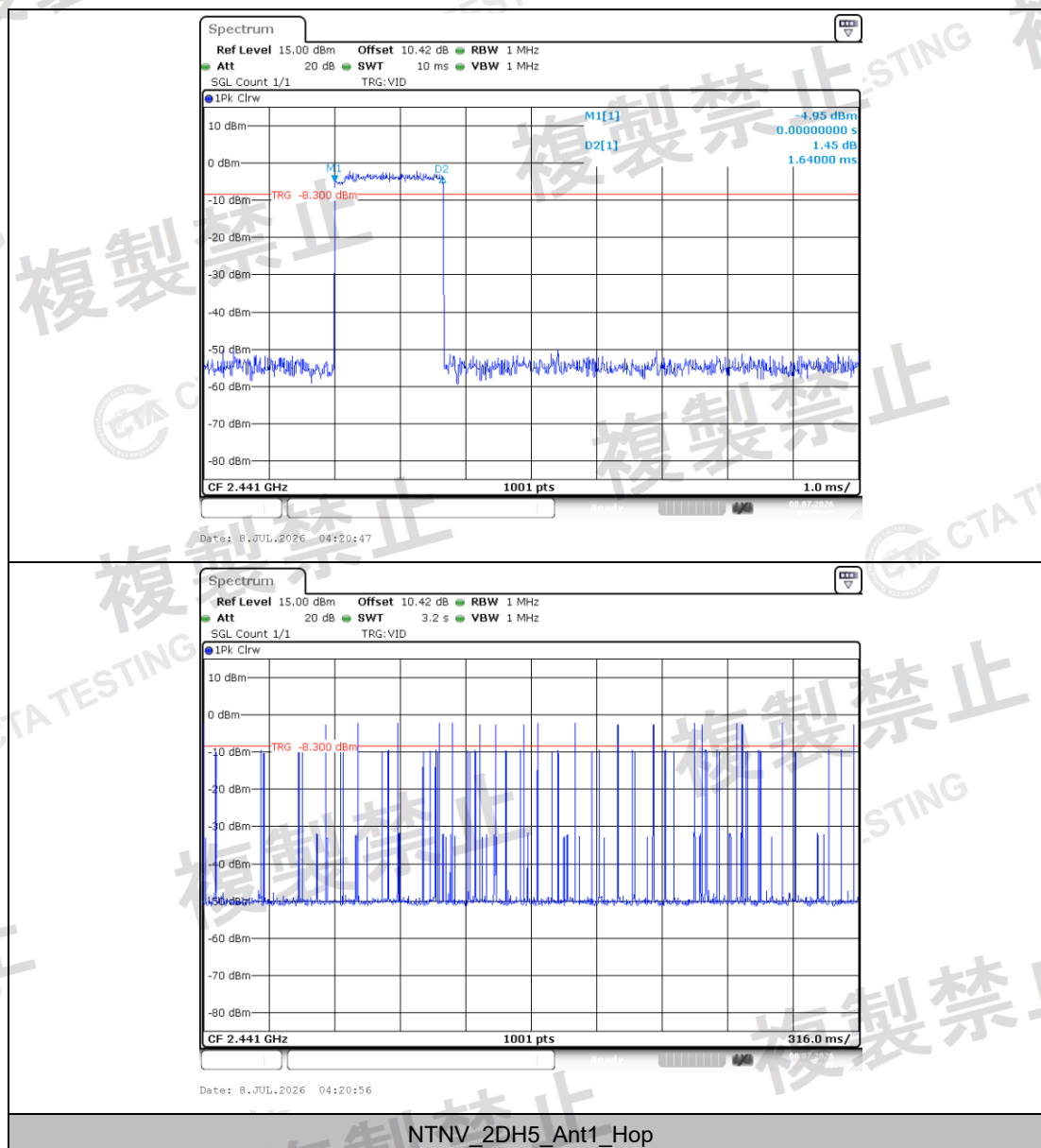
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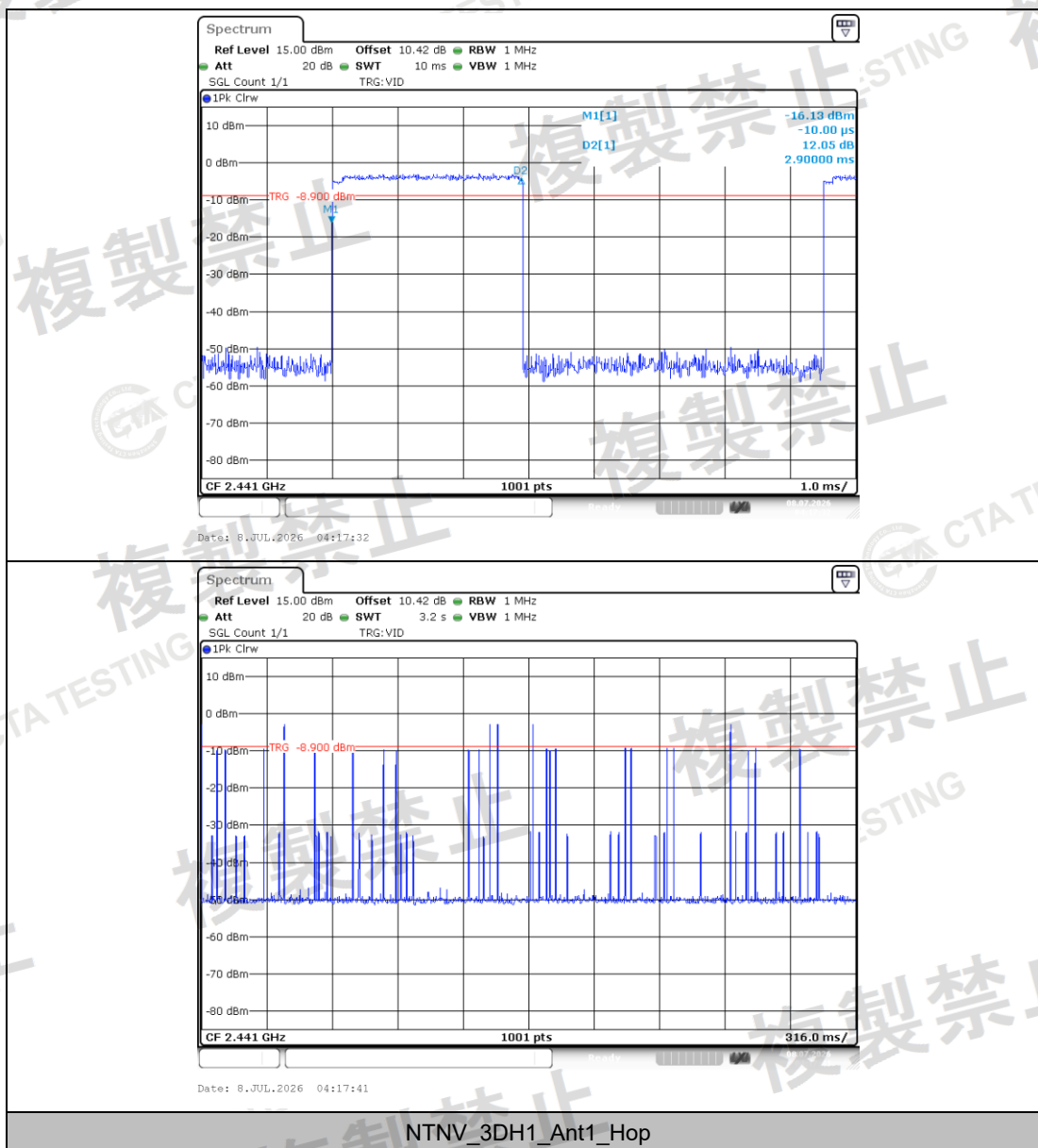
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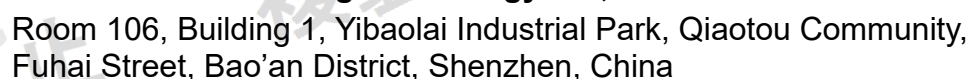




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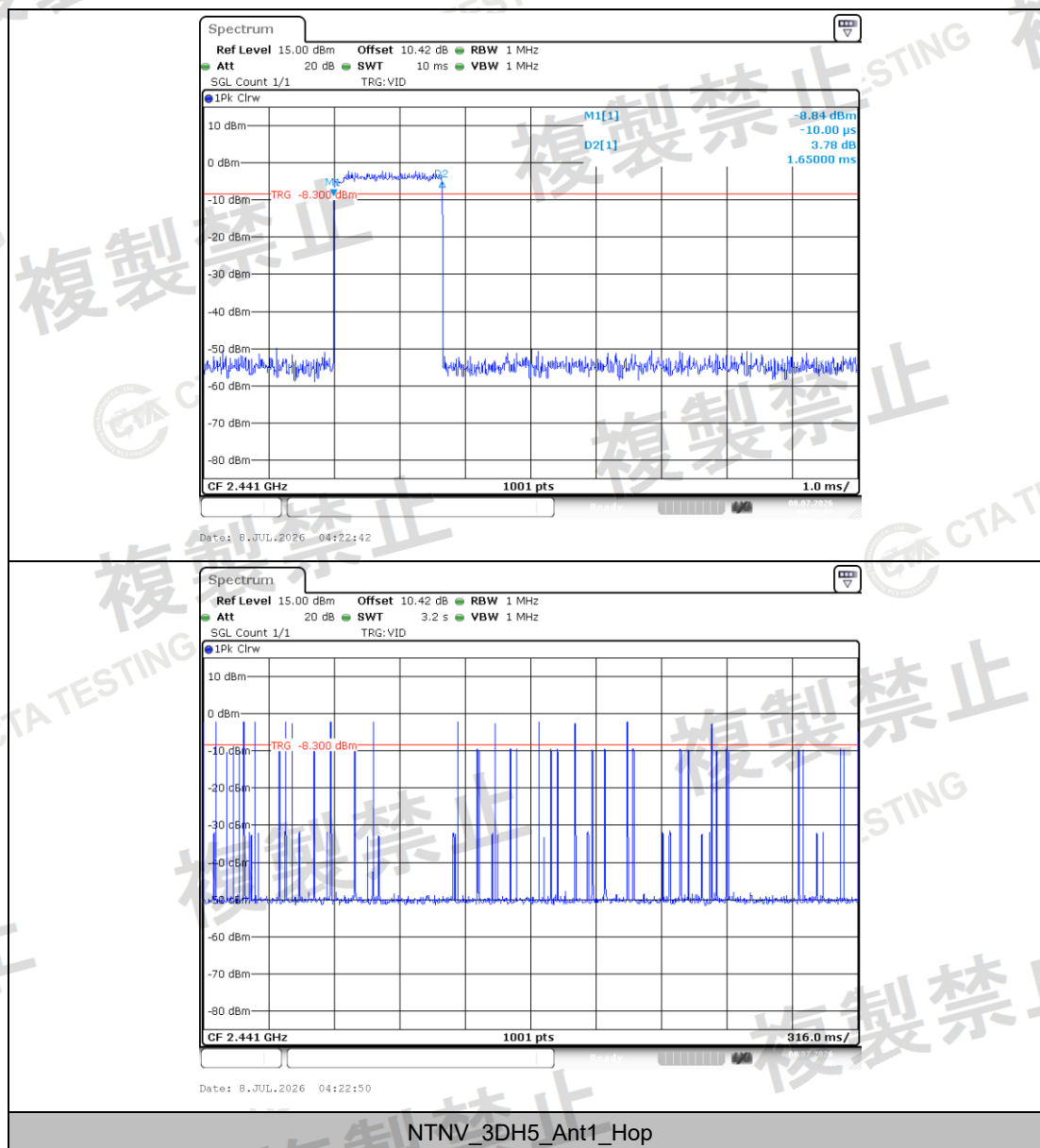






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