



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 5G WIFI

Company : **Shenzhen Yidao Intelligent Technology Co., Ltd.**

EUT : **AI memory card**

Model Number : **GEN1P**

Report No. : **CTA26072901402**

Reviewed By : **Eric Wang**



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Appendix A: Frequency Error

Test Result

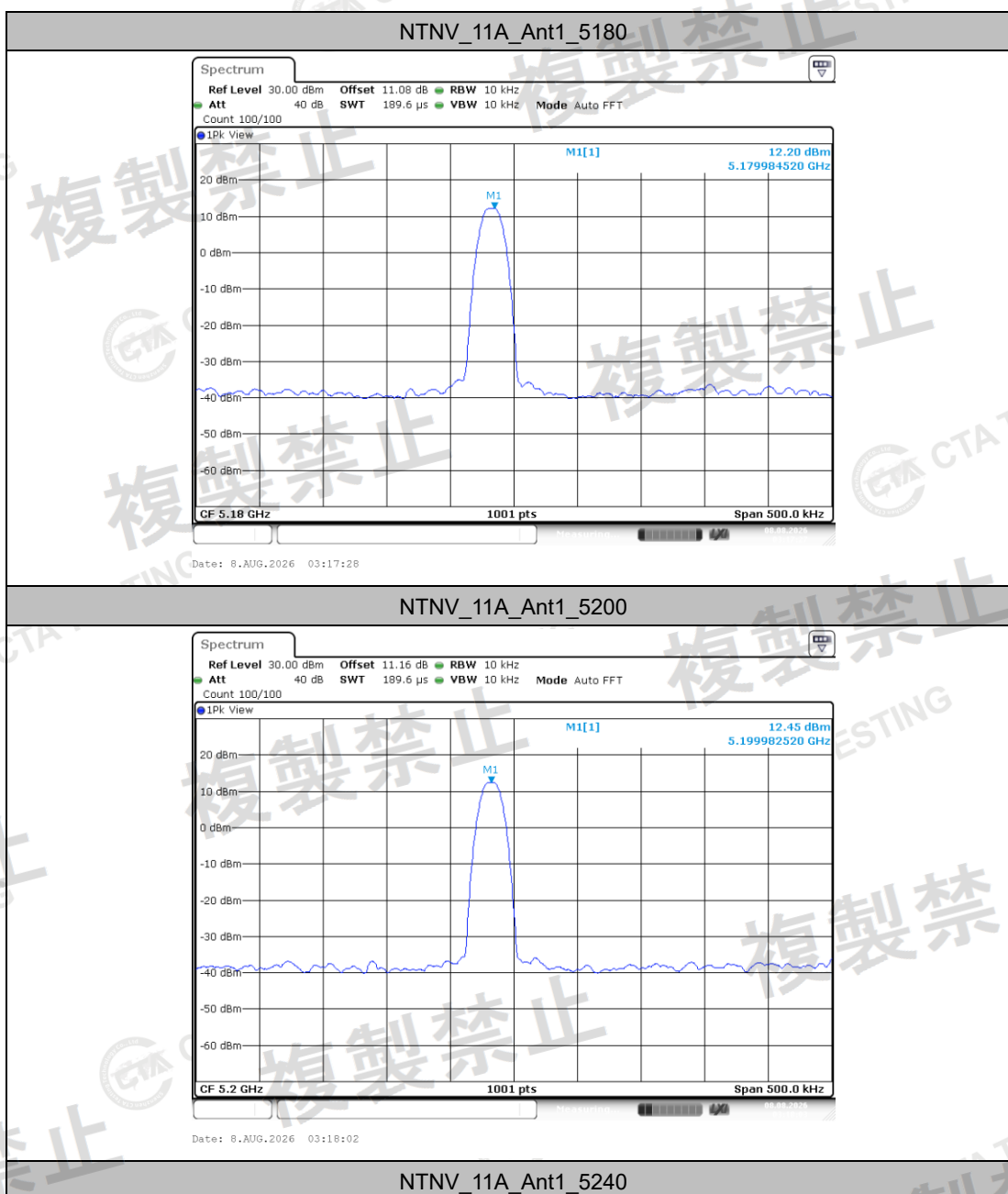
TestCondition	TestMode	Antenna	Freq(M Hz)	CenterFreq [MHz]	Result [ppm]	Limit [ppm]	Verdict
NTNV	11A	Ant1	5180	5179.9845 2	-2.98842	±20	PASS
			5200	5199.9825 2	-3.36154	±20	PASS
			5240	5239.9790 2	-4.00382	±20	PASS
	11N40SI SO	Ant1	5190	5189.9805 2	-3.75337	±20	PASS
			5230	5229.9795 2	-3.91587	±20	PASS



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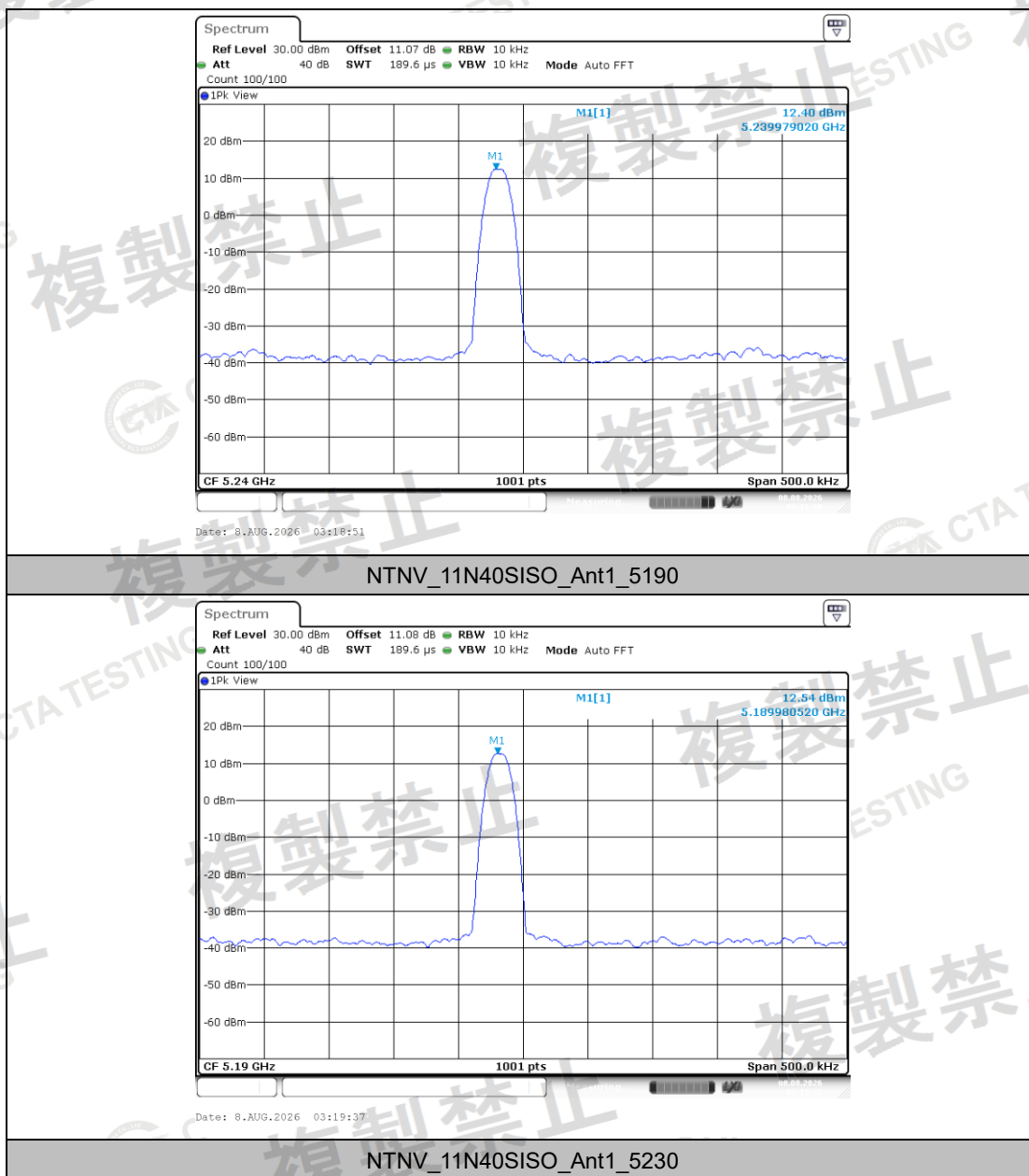
Test Graphs





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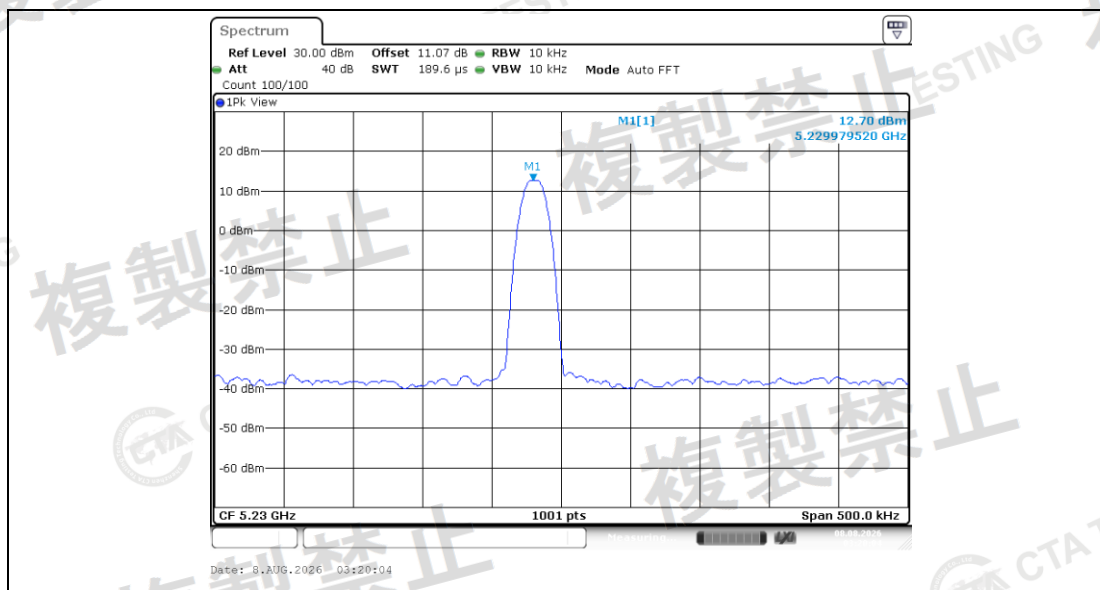
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Appendix B: Occupied Bandwidth

Test Result

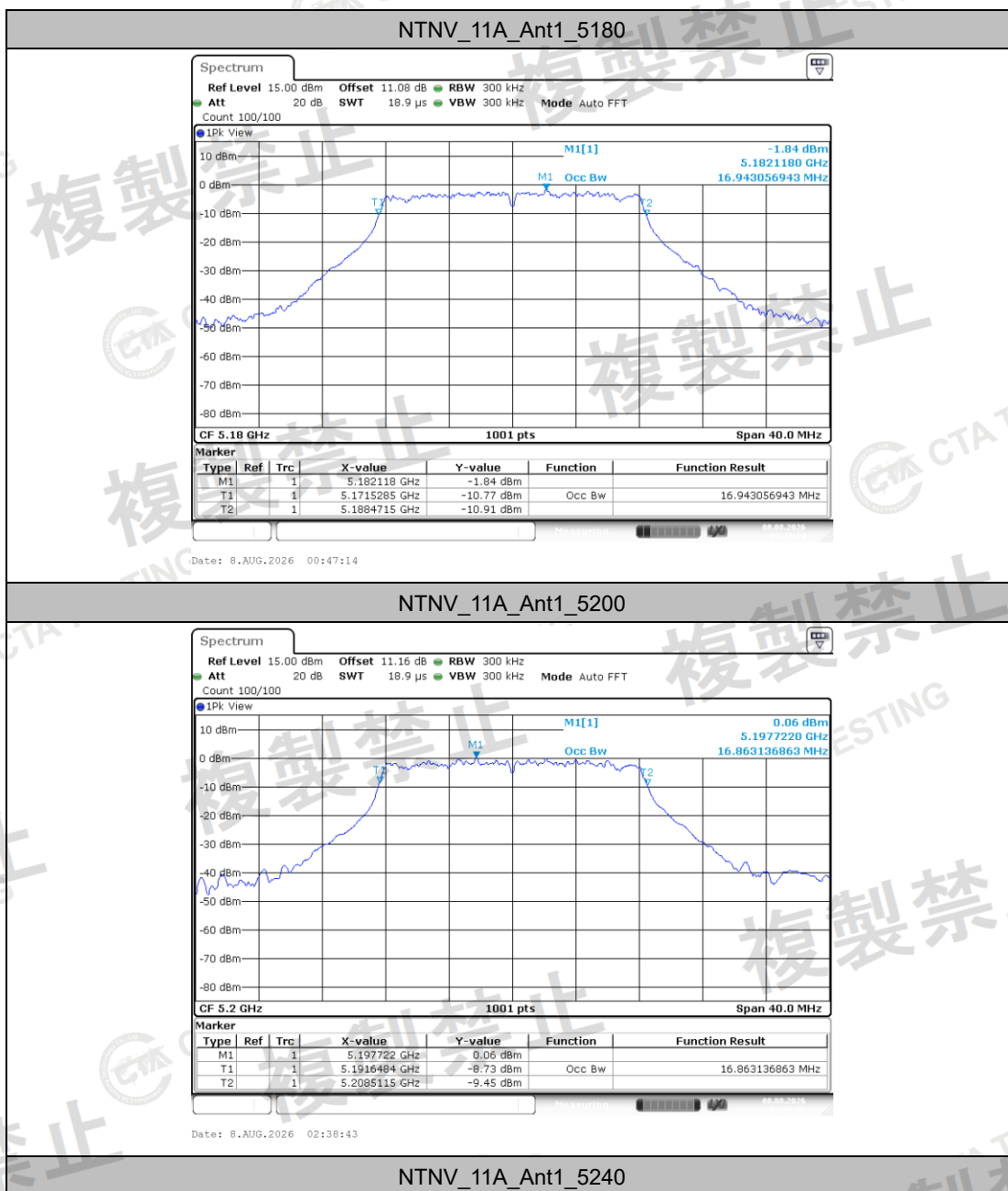
TestCondition	TestMode	Antenna	Freq(MHz)	Result [MHz]	Limit [MHz]	Verdict
NTNV	11A	Ant1	5180	16.943	≤20	PASS
			5200	16.863	≤20	PASS
			5240	17.063	≤20	PASS
	11N20SI SO	Ant1	5180	18.262	≤20	PASS
			5200	18.022	≤20	PASS
			5240	18.302	≤20	PASS
	11N40SI SO	Ant1	5190	35.964	≤40	PASS
			5230	36.044	≤40	PASS



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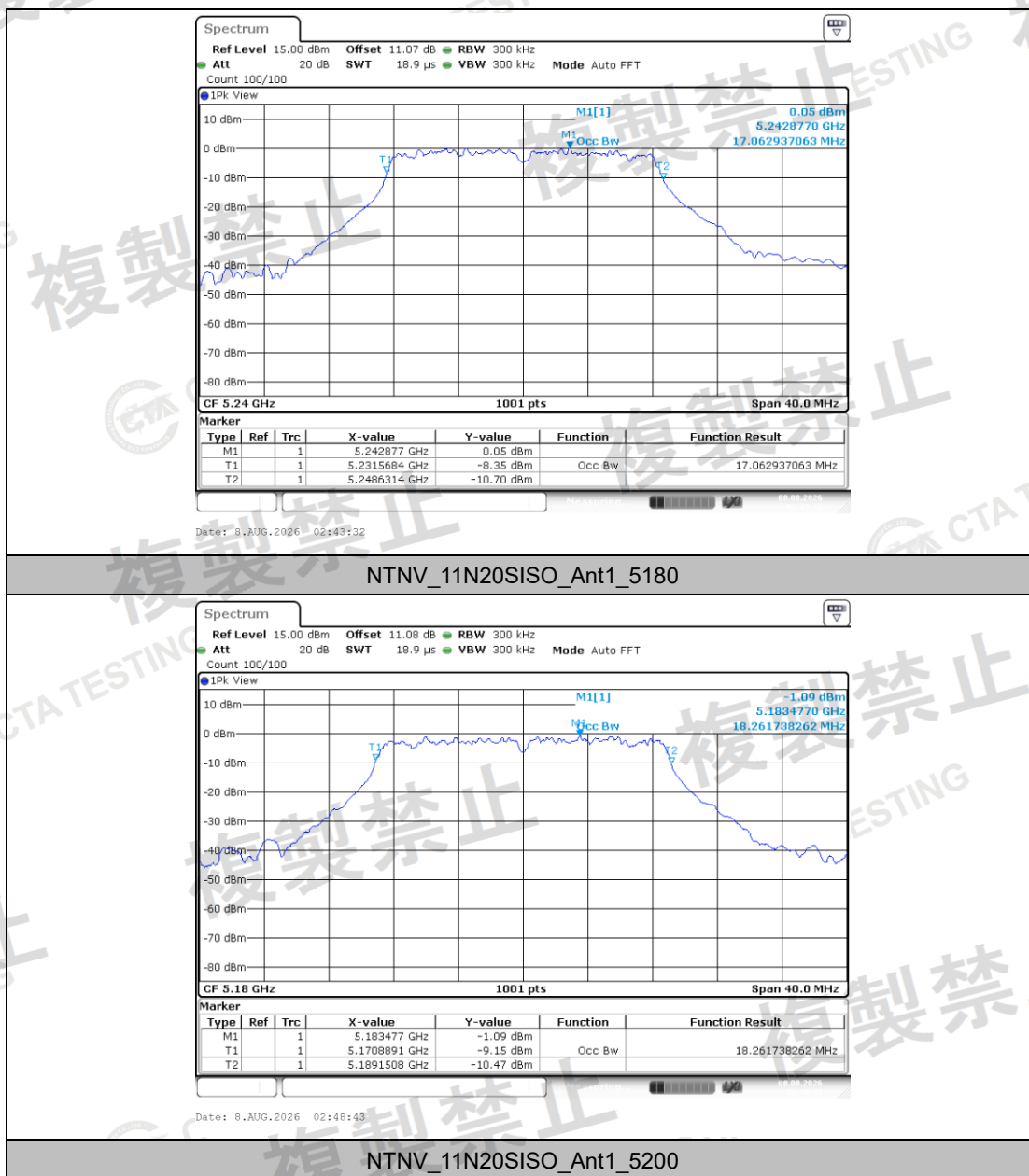
Test Graphs





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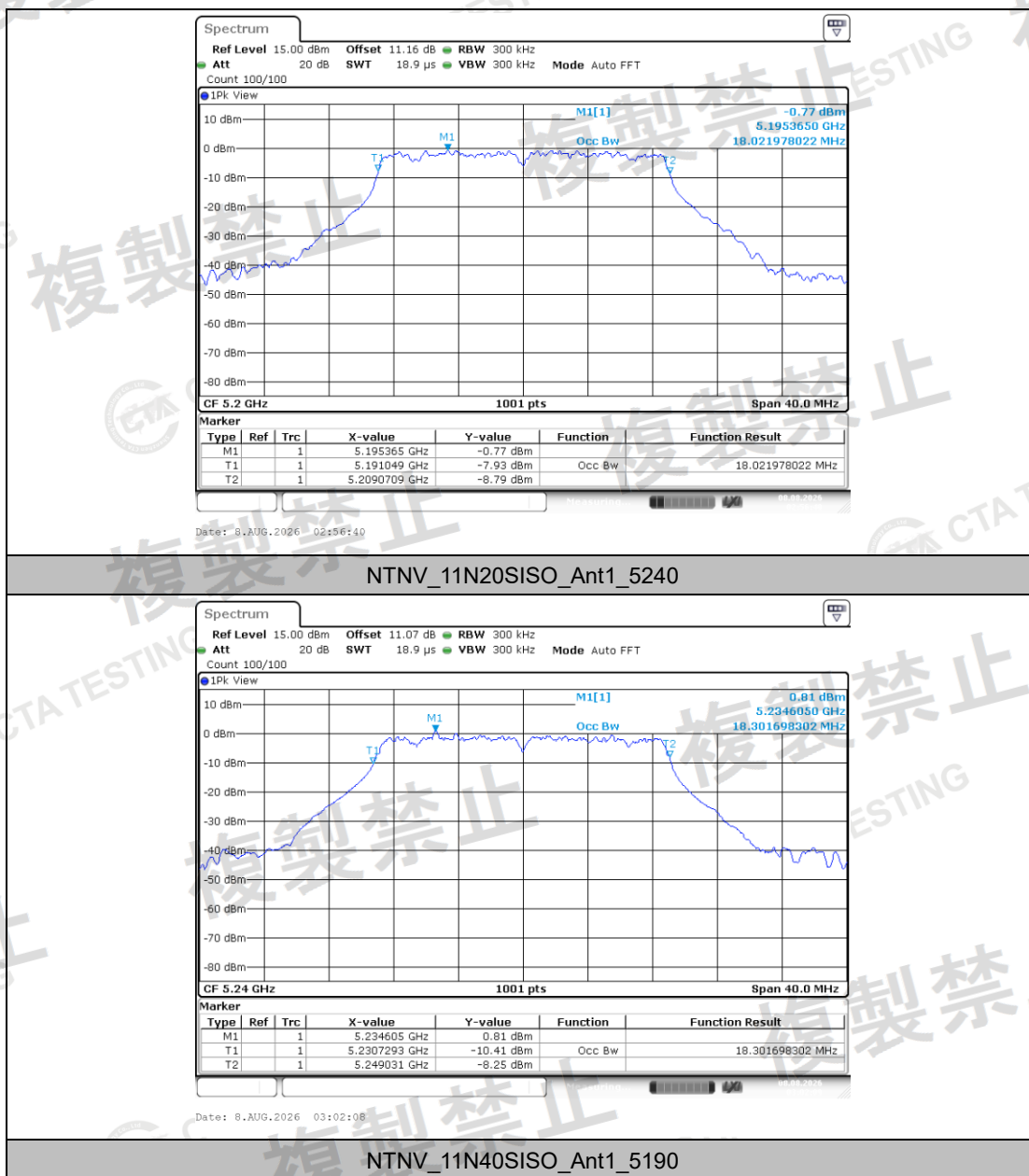
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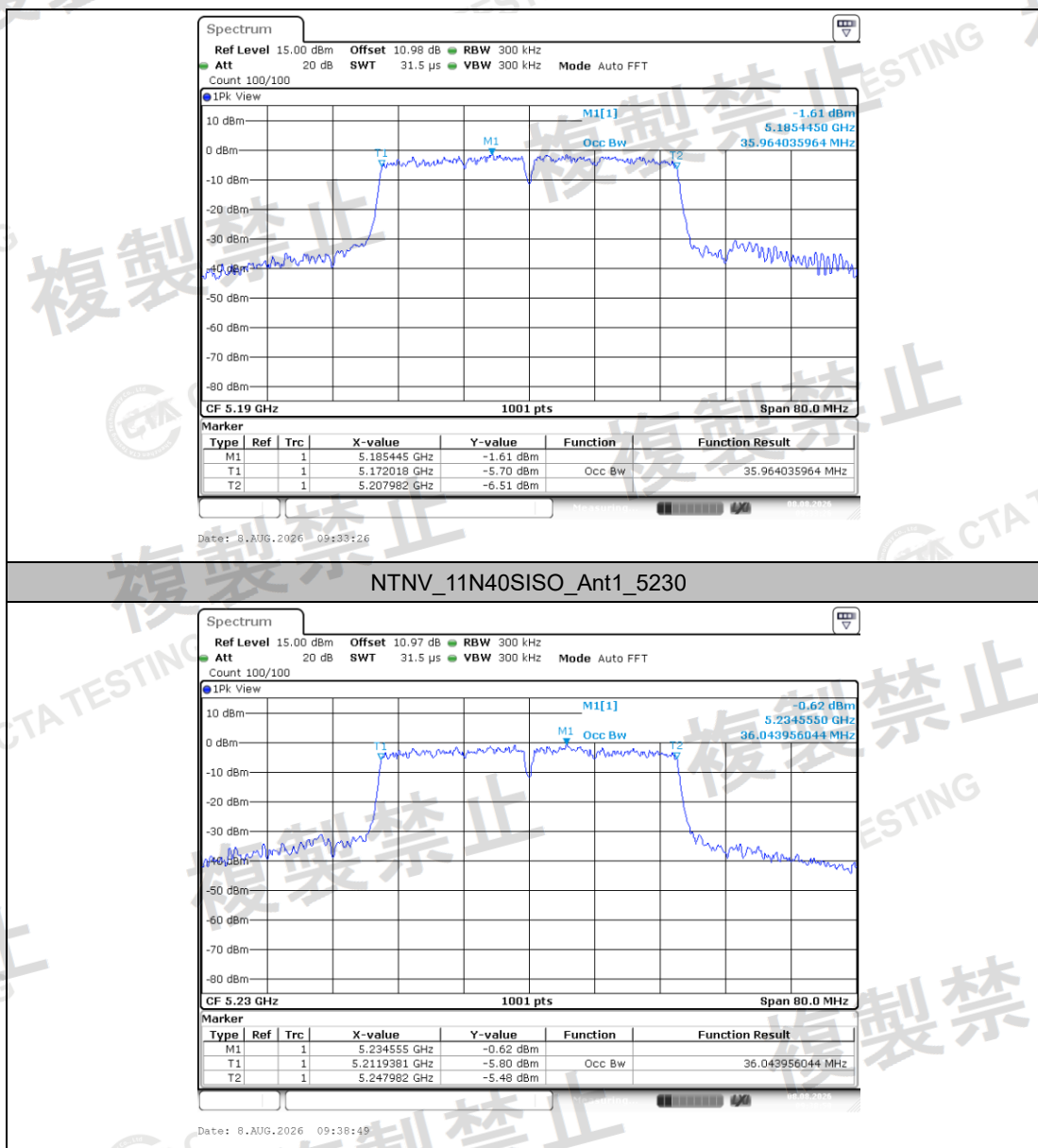
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Appendix C: Spread Bandwidth

Test Result

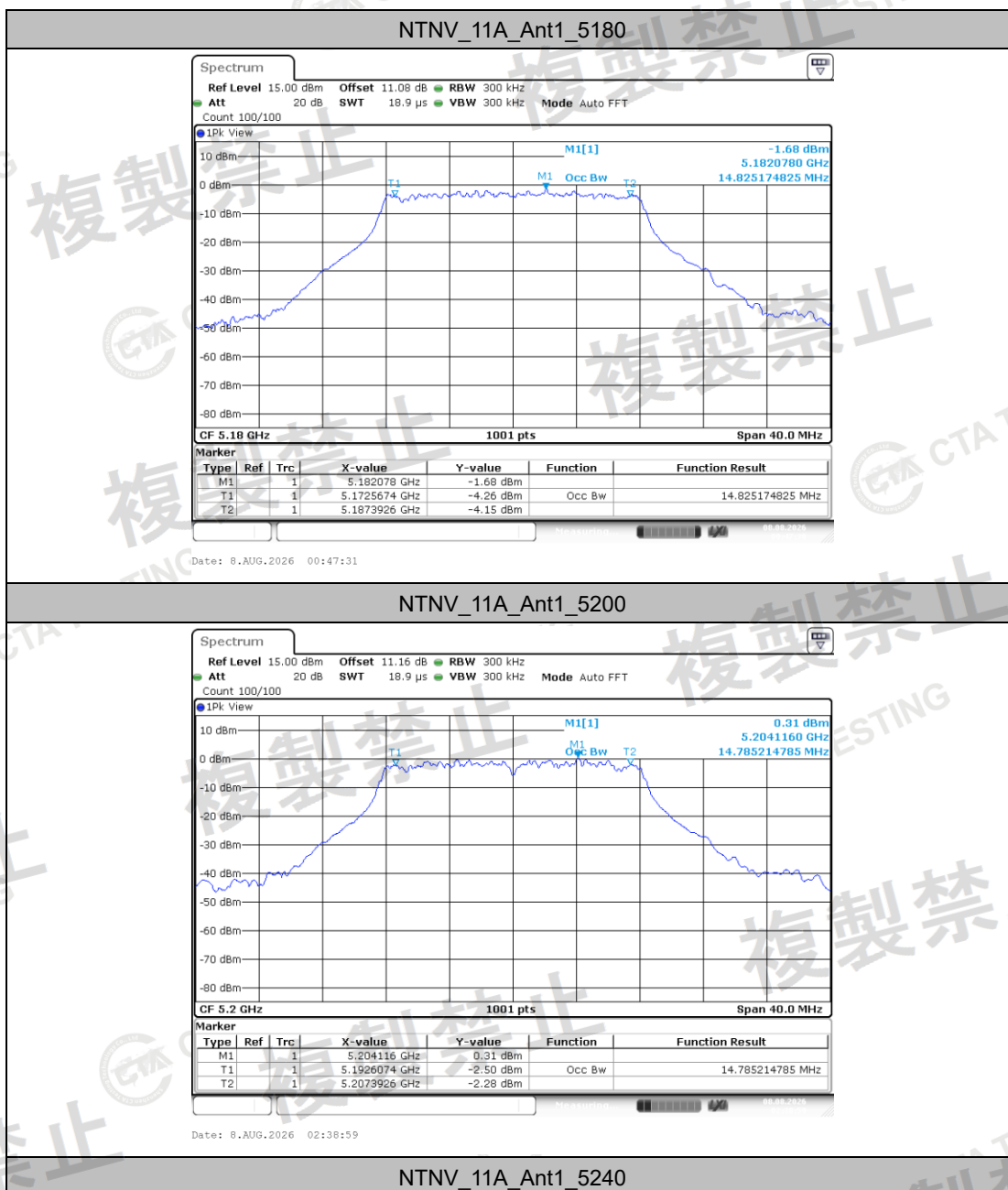
TestCondition	TestMode	Antenna	Freq(MHz)	Result [MHz]	Limit [MHz]	Verdict
NTNV	11A	Ant1	5180	14.825	≥ 0.5	PASS
			5200	14.785	≥ 0.5	PASS
			5240	14.905	≥ 0.5	PASS
	11N20SI SO	Ant1	5180	16.064	≥ 0.5	PASS
			5200	15.984	≥ 0.5	PASS
			5240	16.024	≥ 0.5	PASS
	11N40SI SO	Ant1	5190	32.048	≥ 0.5	PASS
			5230	31.888	≥ 0.5	PASS



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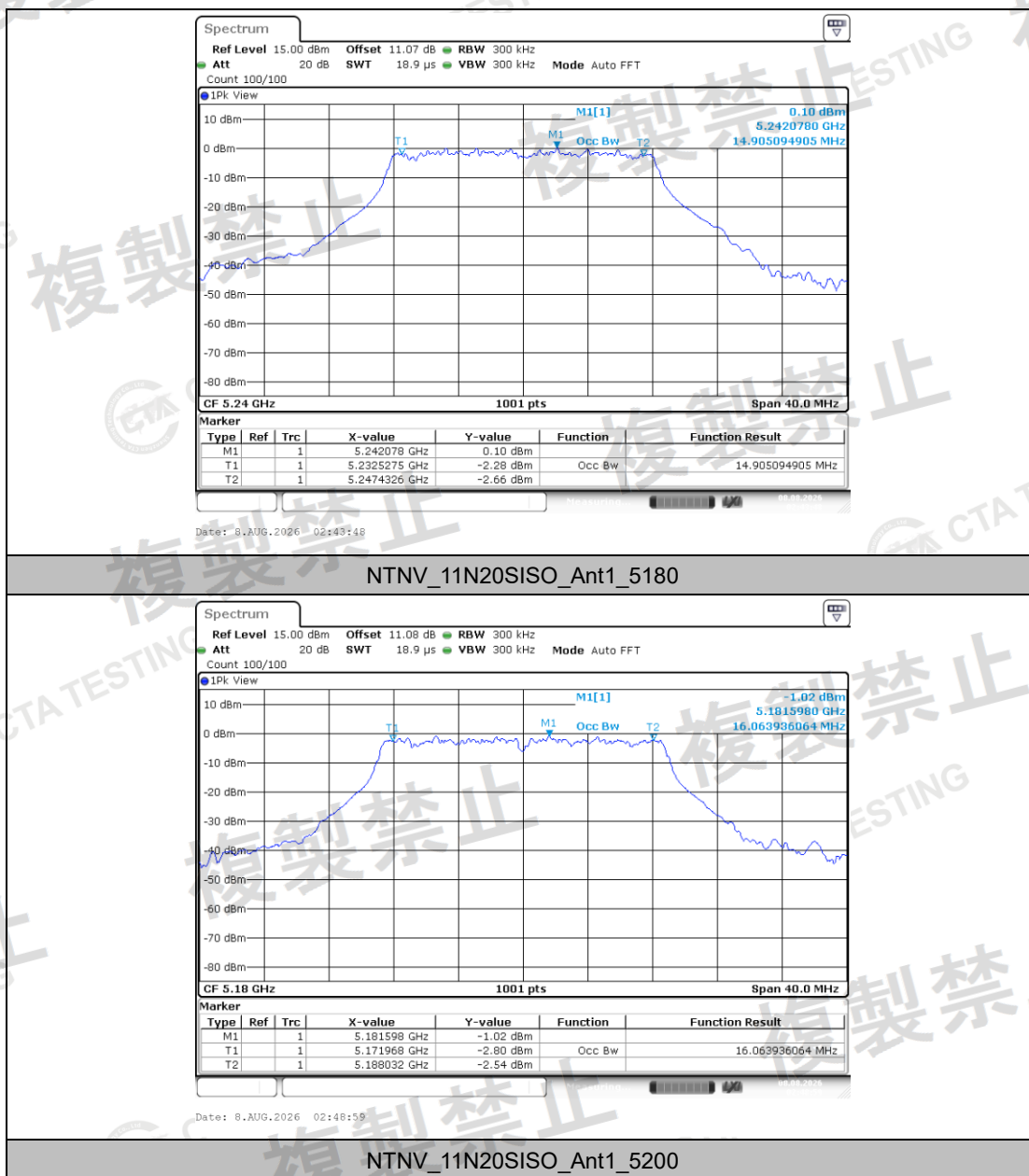
Test Graphs





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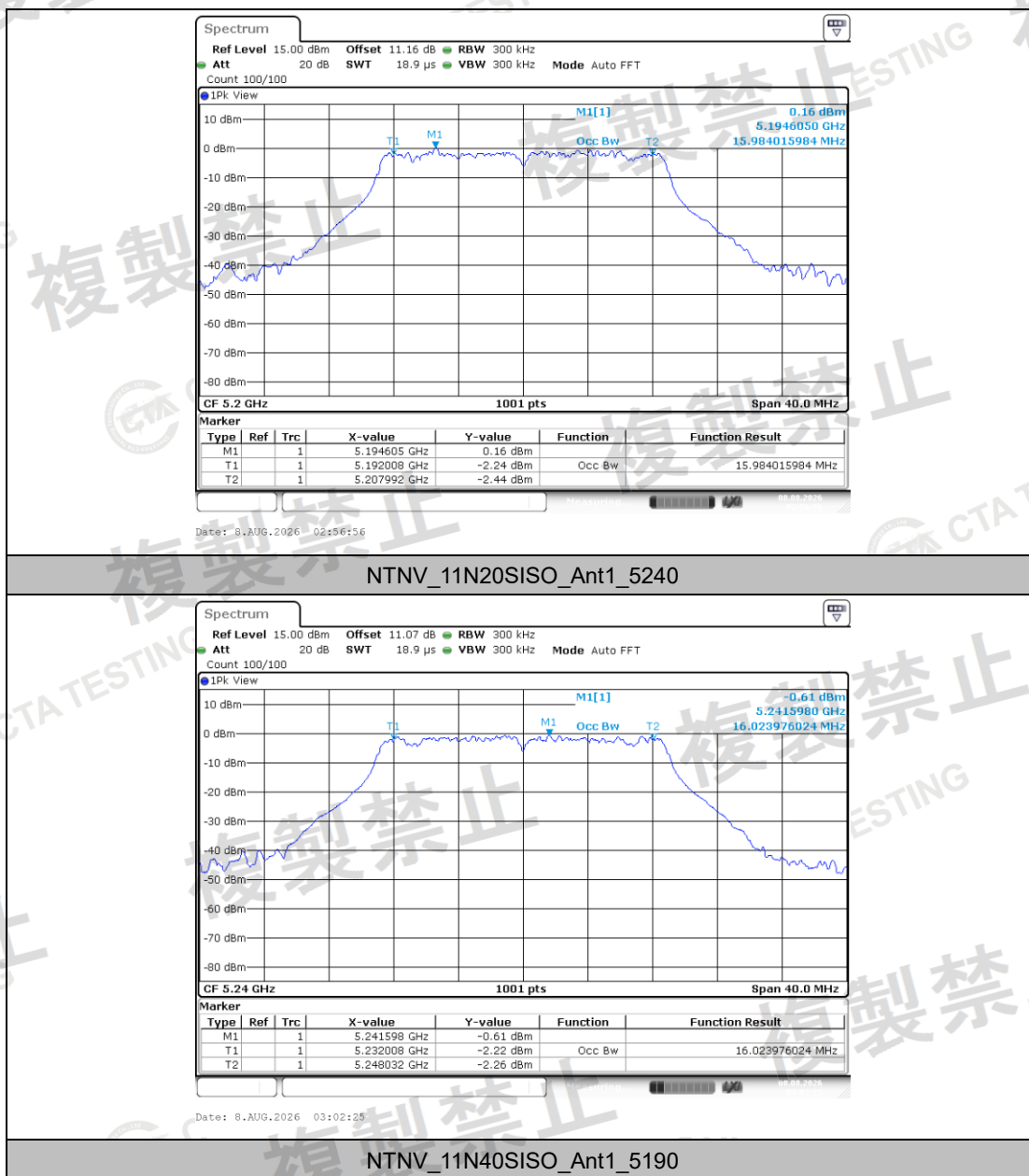
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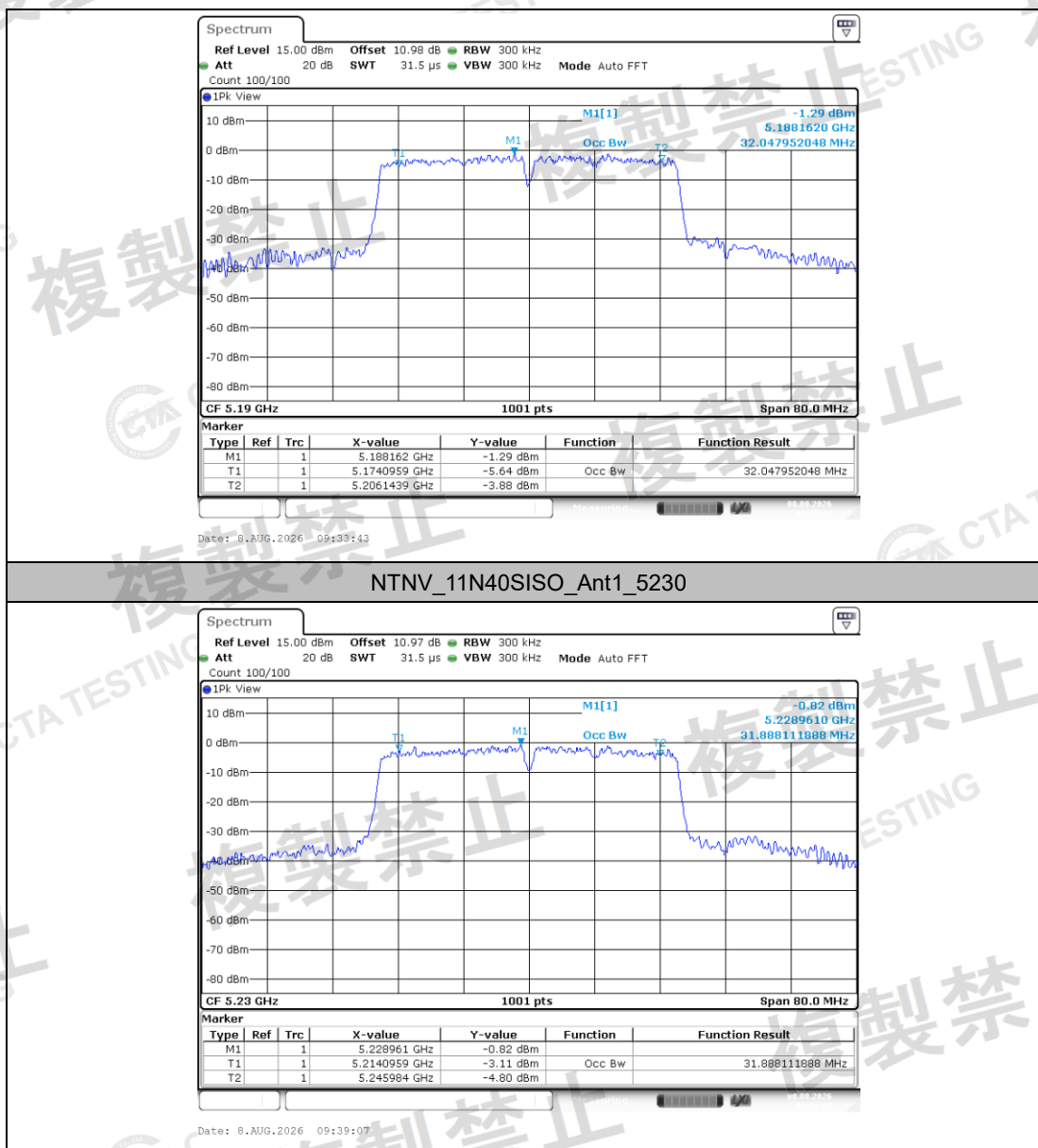
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Appendix D: Spurious Emission of TX

Test Result

TestCondition	TestMode	Antenna	Freq(M Hz)	Freq.Range [MHz]	Freq. [MHz]	Result [dBm]	Result [μW]	Limit [μW]	Verdict
NTNV	11A	Ant1	5180	30~5142	4161.52	-55.95	0.00254	≤2.5	PASS
				5142~5150	5149.60	-56.50	0.00224	≤15	PASS
				5250~5251	5250.99	-58.04	0.00157	≤102.3	PASS
				5251~5260	5259.97	-58.28	0.00149	≤15.9	PASS
				5260~5266.7	5266.68	-58.32	0.00147	≤2.5	PASS
				5266.7~2600 0	20338.43	-50.22	0.00951	≤2.5	PASS
			5200	30~5142	5077.08	-55.61	0.00275	≤2.5	PASS
				5142~5150	5148.03	-57.73	0.00169	≤15	PASS
				5250~5251	5250.99	-57.73	0.00169	≤102.3	PASS
				5251~5260	5259.27	-57.54	0.00176	≤18.4	PASS
				5260~5266.7	5266.69	-58.06	0.00156	≤2.5	PASS
				5266.7~2600 0	16124.04	-50.48	0.00895	≤2.5	PASS
			5240	30~5142	2613.09	-54.09	0.00390	≤2.5	PASS
				5142~5150	5147.09	-57.92	0.00161	≤15	PASS
				5250~5251	5251.00	-25.77	2.64850	≤100.0	PASS
				5251~5260	5251.02	-25.80	2.63027	≤99.6	PASS
				5260~5266.7	5264.01	-49.12	0.01225	≤5.2	PASS
				5266.7~2600 0	15812.35	-50.15	0.00966	≤2.5	PASS
	11N20SI SO	Ant1	5180	30~5142	826.45	-49.35	0.01161	≤2.5	PASS
				5142~5150	5149.97	-53.87	0.00410	≤15	PASS
				5250~5250.2	5250.20	-57.97	0.00160	≤631.0	PASS
				5250.2~5251	5250.99	-57.81	0.00166	≤102.3	PASS
				5251~5260	5259.96	-57.95	0.00160	≤16.0	PASS
				5260~5266.7	5266.68	-58.30	0.00148	≤2.5	PASS
				5266.7~2600 0	20265.86	-50.35	0.00923	≤2.5	PASS
			5200	30~5142	5097.53	-55.24	0.00299	≤2.5	PASS
				5142~5150	5149.15	-57.62	0.00173	≤15	PASS
				5250~5250.2	5250.20	-57.56	0.00175	≤631.0	PASS
				5250.2~5251	5250.99	-57.58	0.00175	≤102.3	PASS
				5251~5260	5259.96	-58.10	0.00155	≤16.0	PASS
				5260~5266.7	5266.69	-58.09	0.00155	≤2.5	PASS



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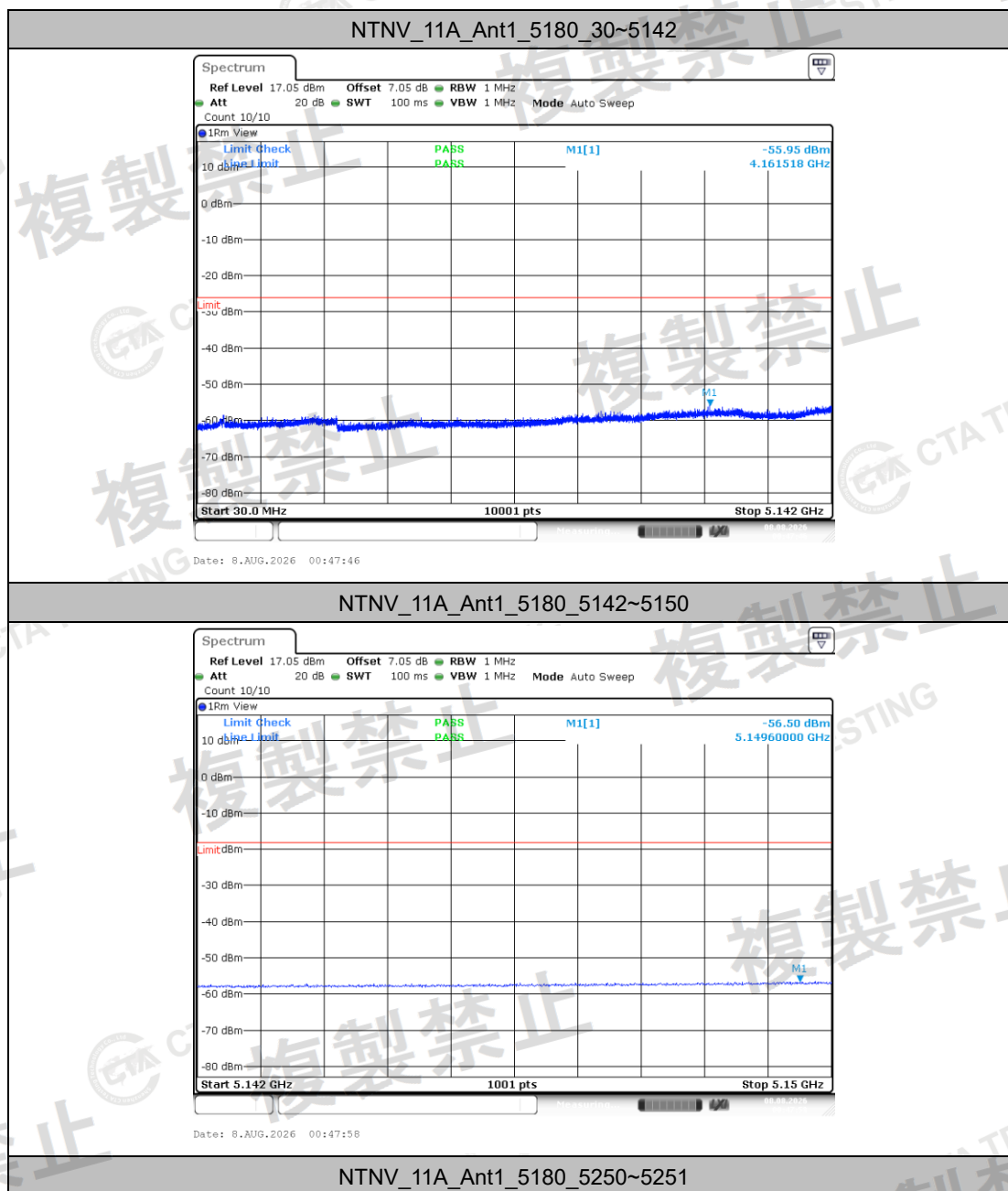
			5240	5266.7~2600 0	20257.57	-50.32	0.00929	≤2.5	PASS
				30~5142	5014.20	-55.87	0.00259	≤2.5	PASS
				5142~5150	5147.86	-57.87	0.00163	≤15	PASS
				5250~5250.2	5250.20	-18.97	12.6765 2	≤631.0	PASS
				5250.2~5251	5251.00	-23.22	4.76431	≤100.0	PASS
				5251~5260	5251.04	-23.52	4.44631	≤99.2	PASS
				5260~5266.7	5266.43	-50.68	0.00855	≤2.7	PASS
				5266.7~2600 0	5266.70	-47.63	0.01726	≤2.5	PASS
	11N40SI SO	Ant1	5190	30~5141.6	5137.00	-43.28	0.04699	≤2.5	PASS
				5141.6~5150	5149.97	-40.90	0.08128	≤15	PASS
				5250~5251	5251.00	-50.23	0.00948	≤50	PASS
				5251~5270	5269.07	-55.17	0.00304	≤8.7	PASS
				5270~5278.4	5278.37	-56.09	0.00246	≤2.5	PASS
				5278.4~2600 0	20305.70	-50.14	0.00968	≤2.5	PASS
			5230	30~5141.6	5122.69	-55.05	0.00313	≤2.5	PASS
				5141.6~5150	5149.02	-55.40	0.00288	≤15	PASS
				5250~5251	5251.00	-33.45	0.45186	≤50	PASS
				5251~5270	5257.38	-34.91	0.32285	≤26.9	PASS
				5270~5278.4	5278.05	-43.96	0.04018	≤2.6	PASS
				5278.4~2600 0	5278.40	-42.47	0.05662	≤2.5	PASS



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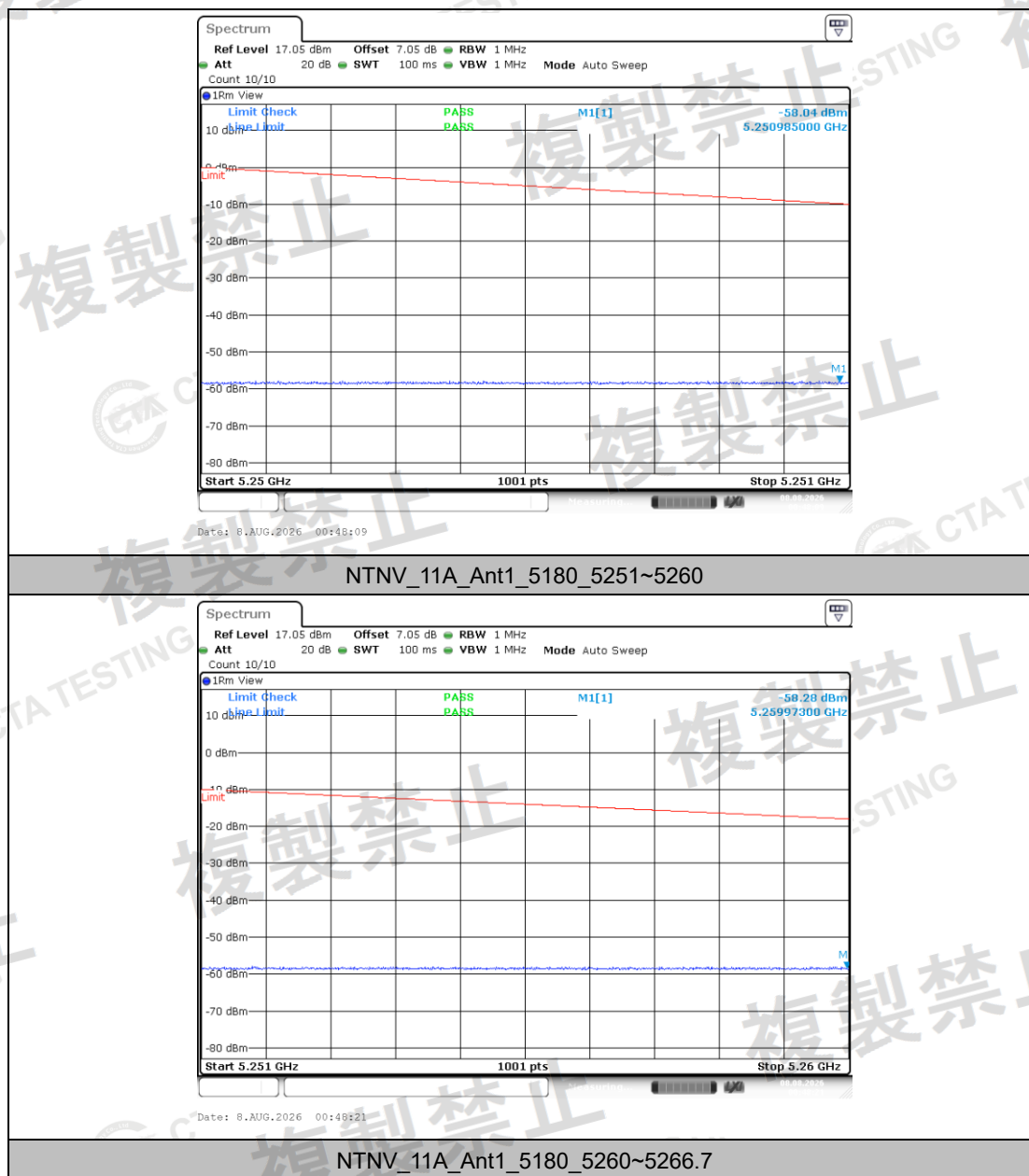
Test Graphs





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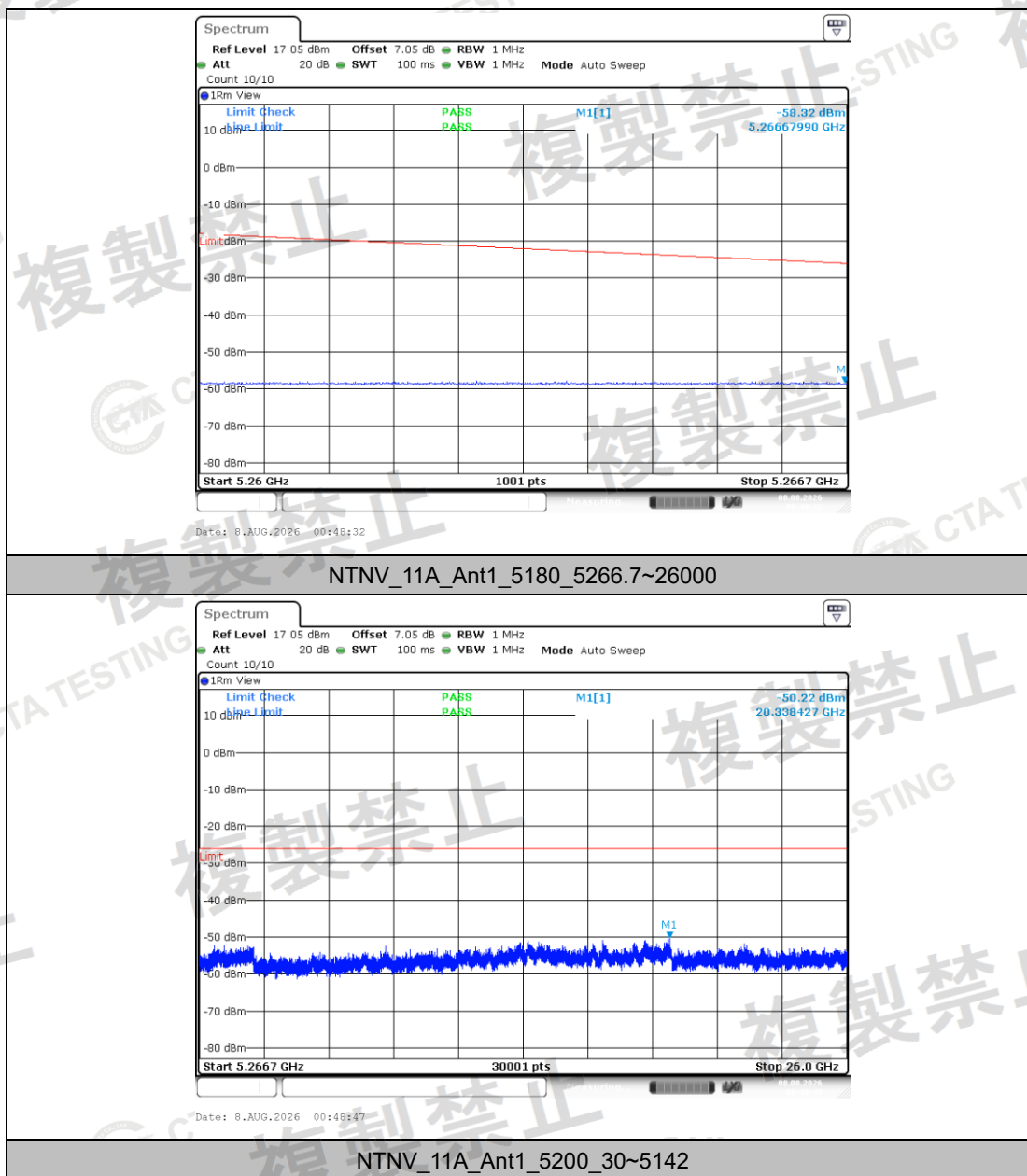
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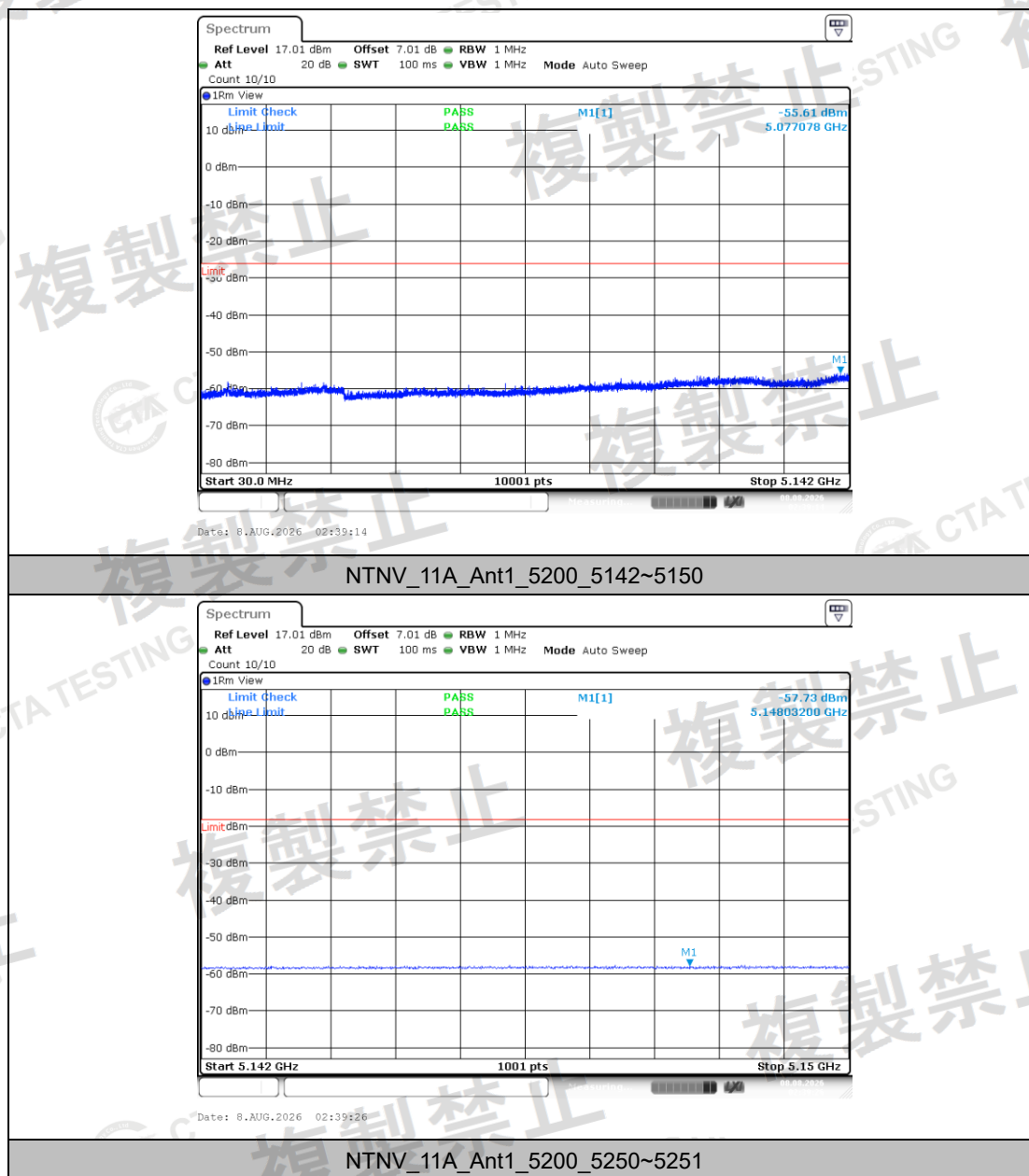
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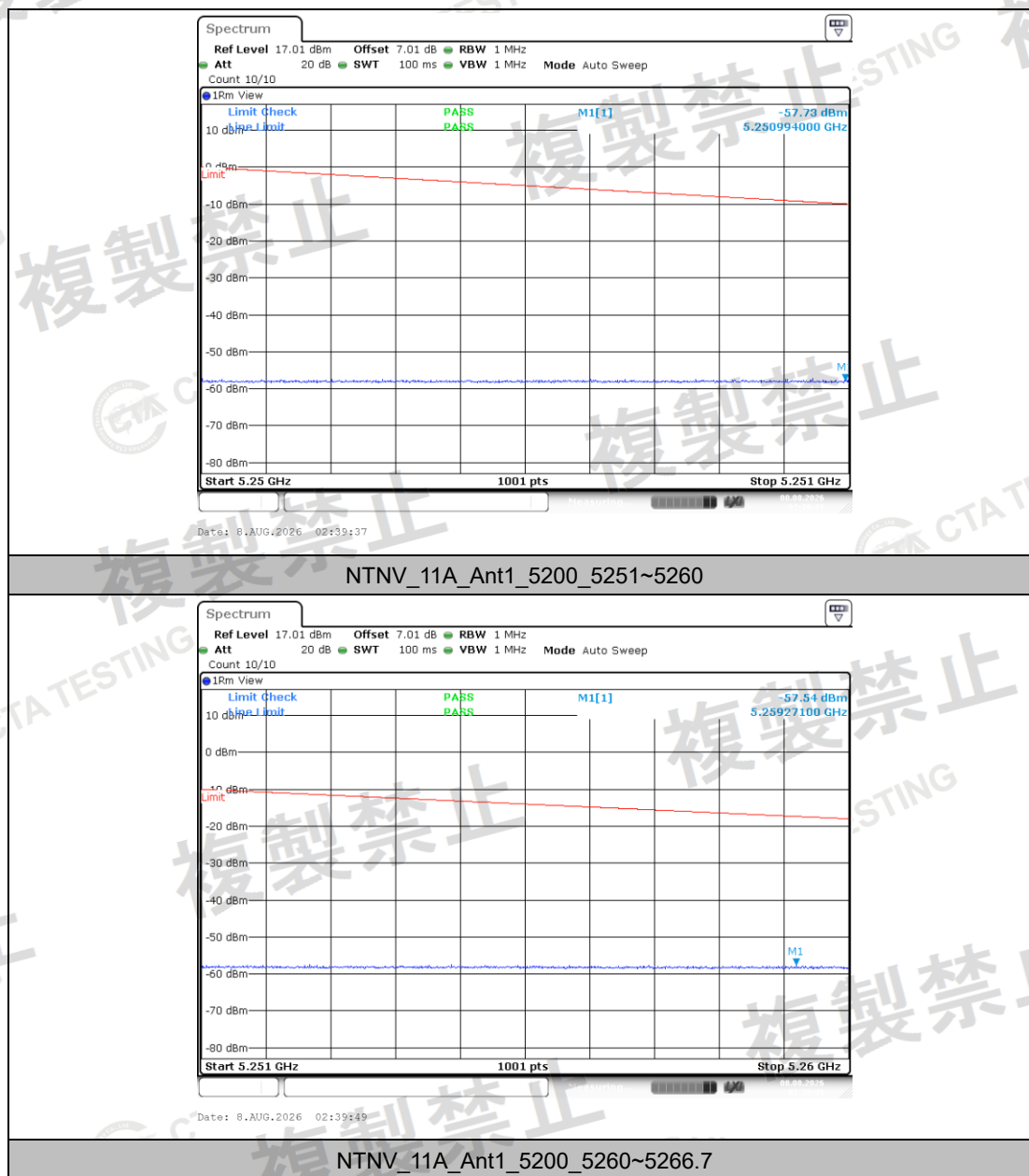
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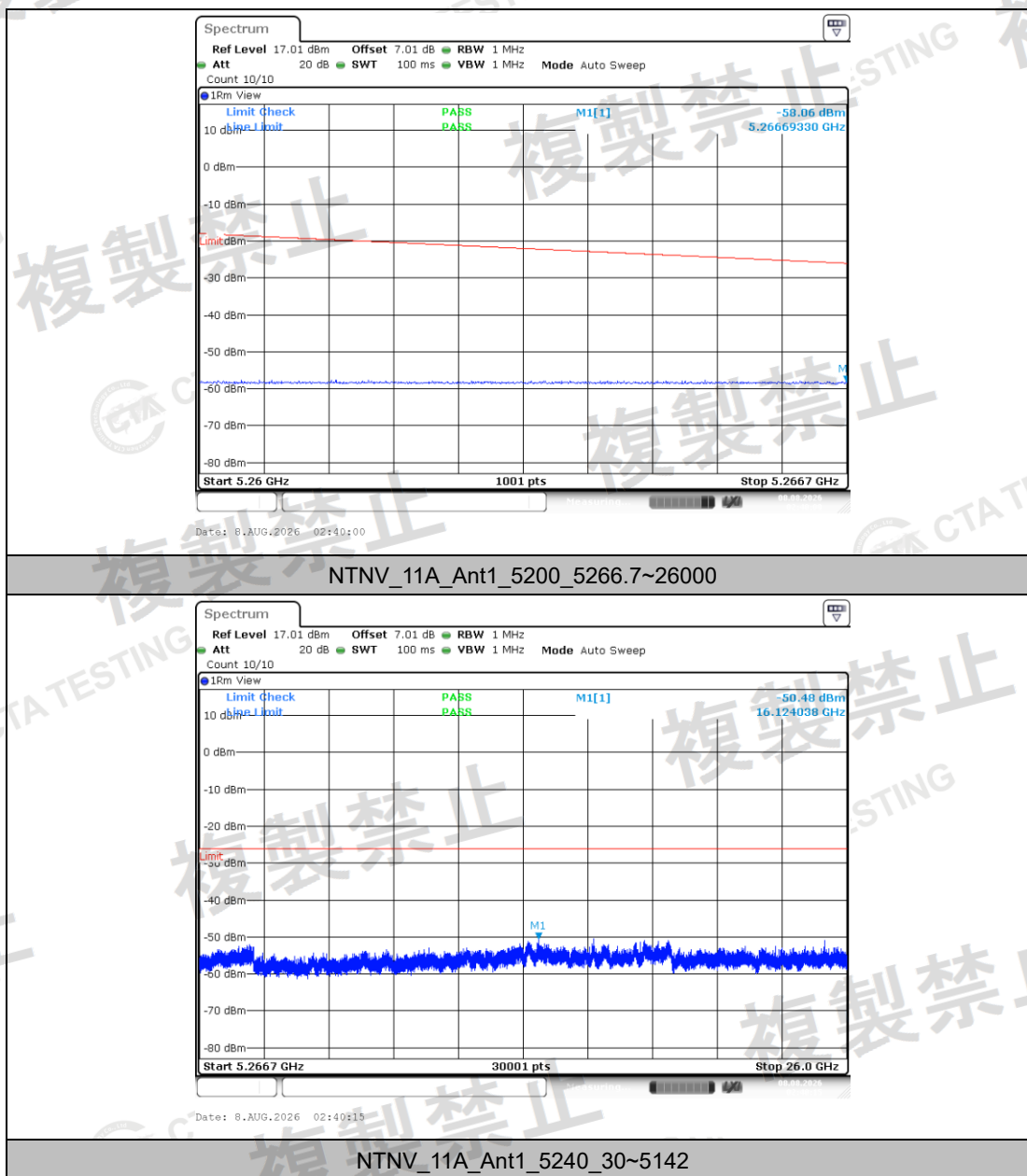
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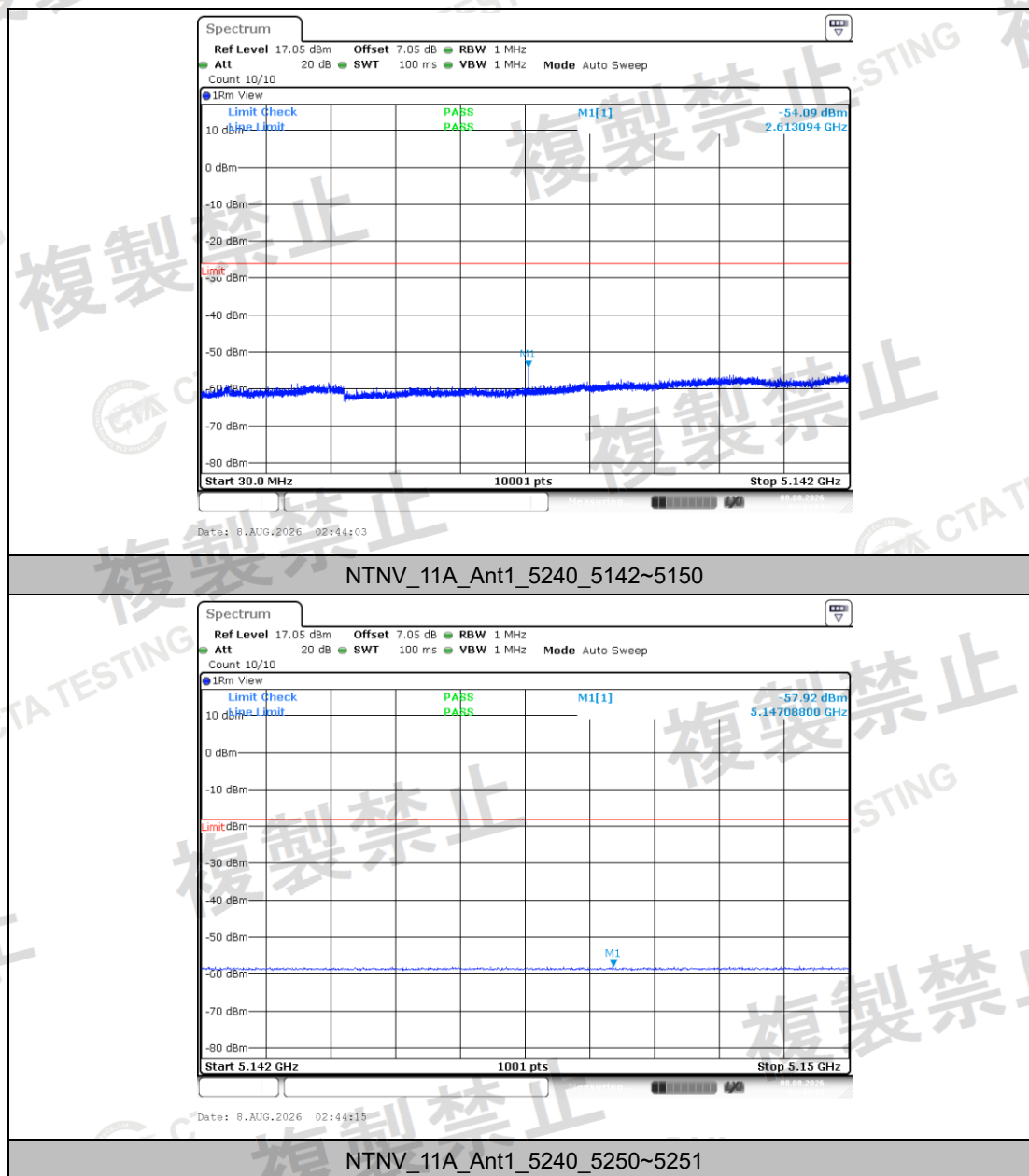
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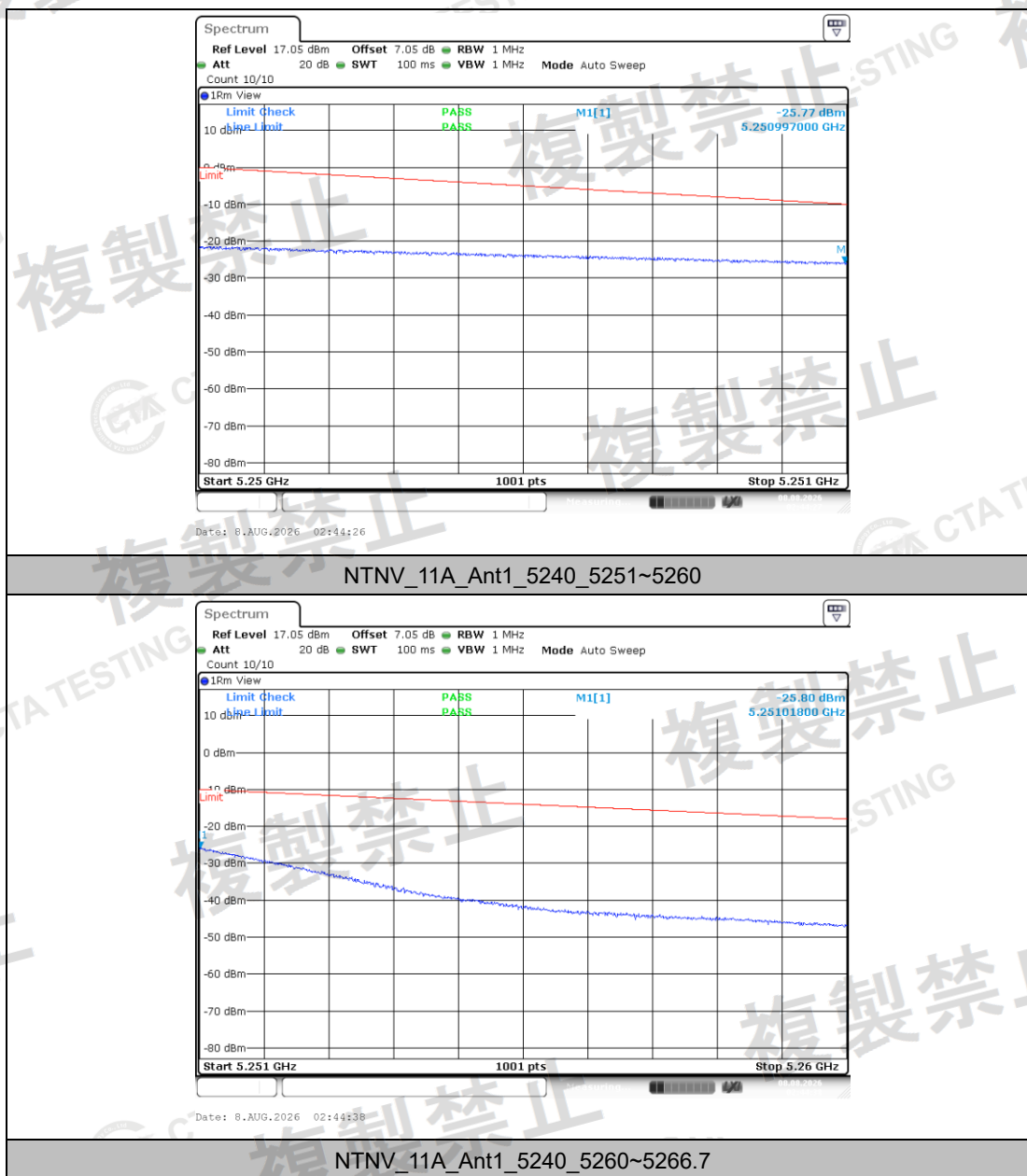
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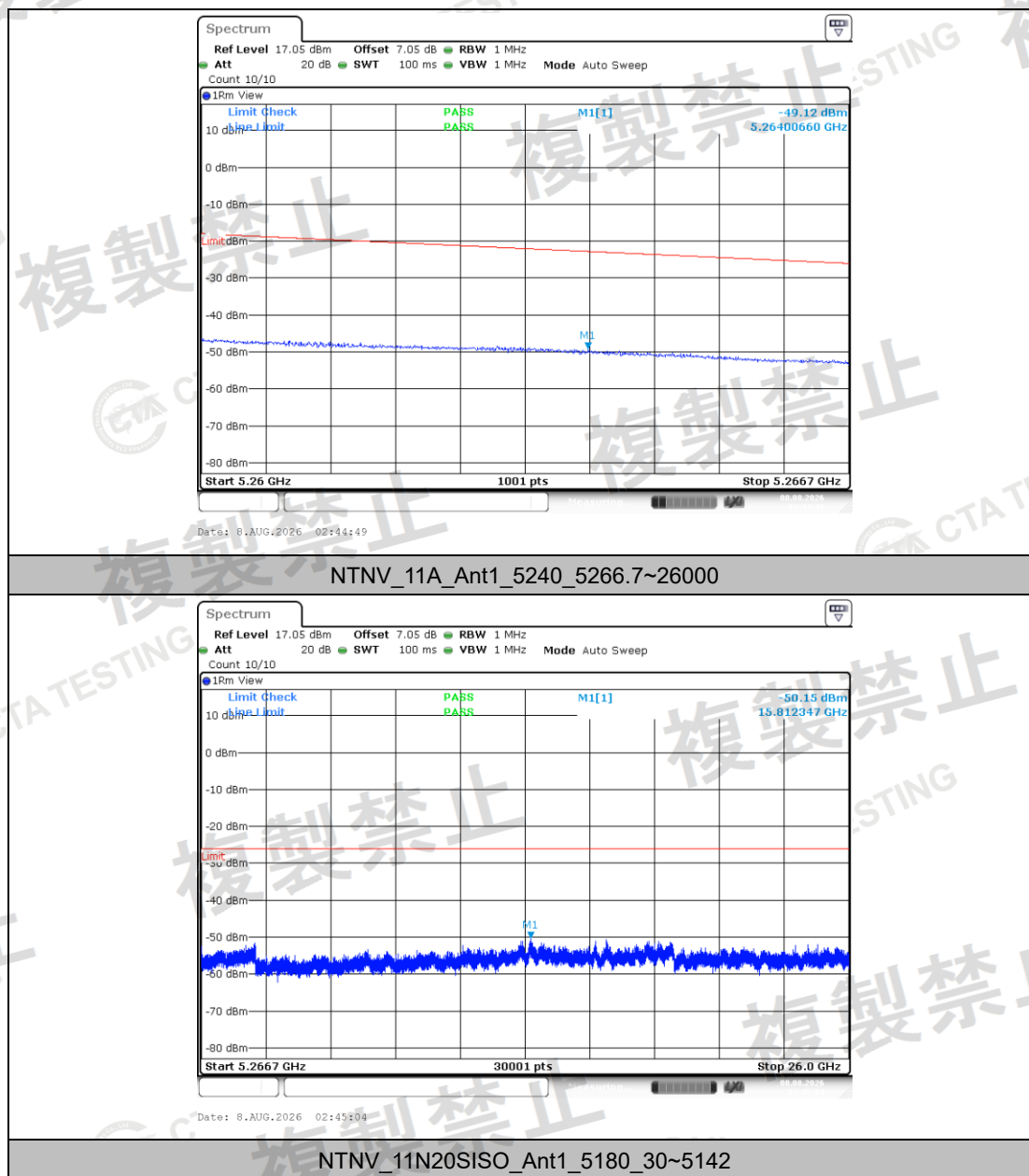
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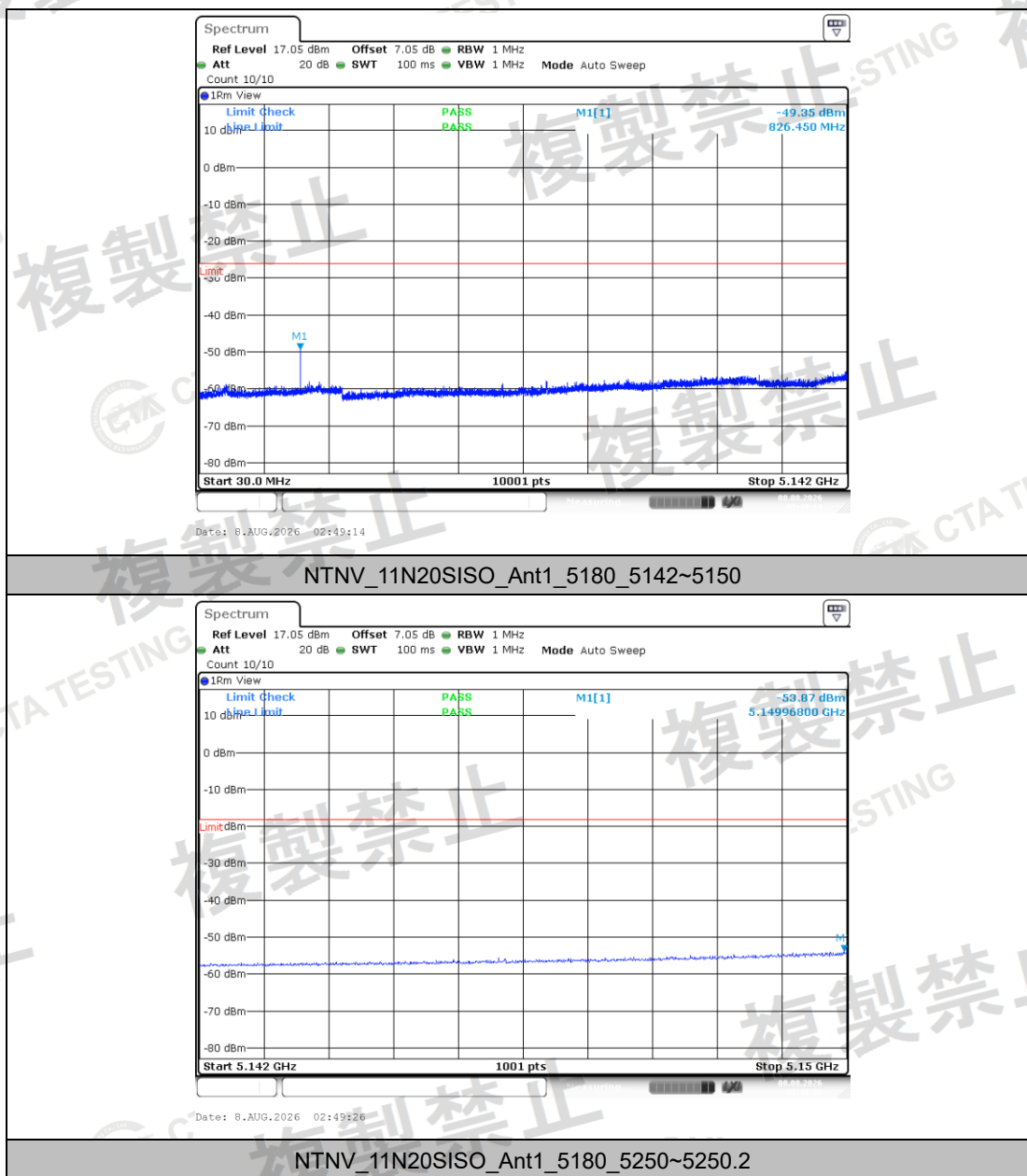
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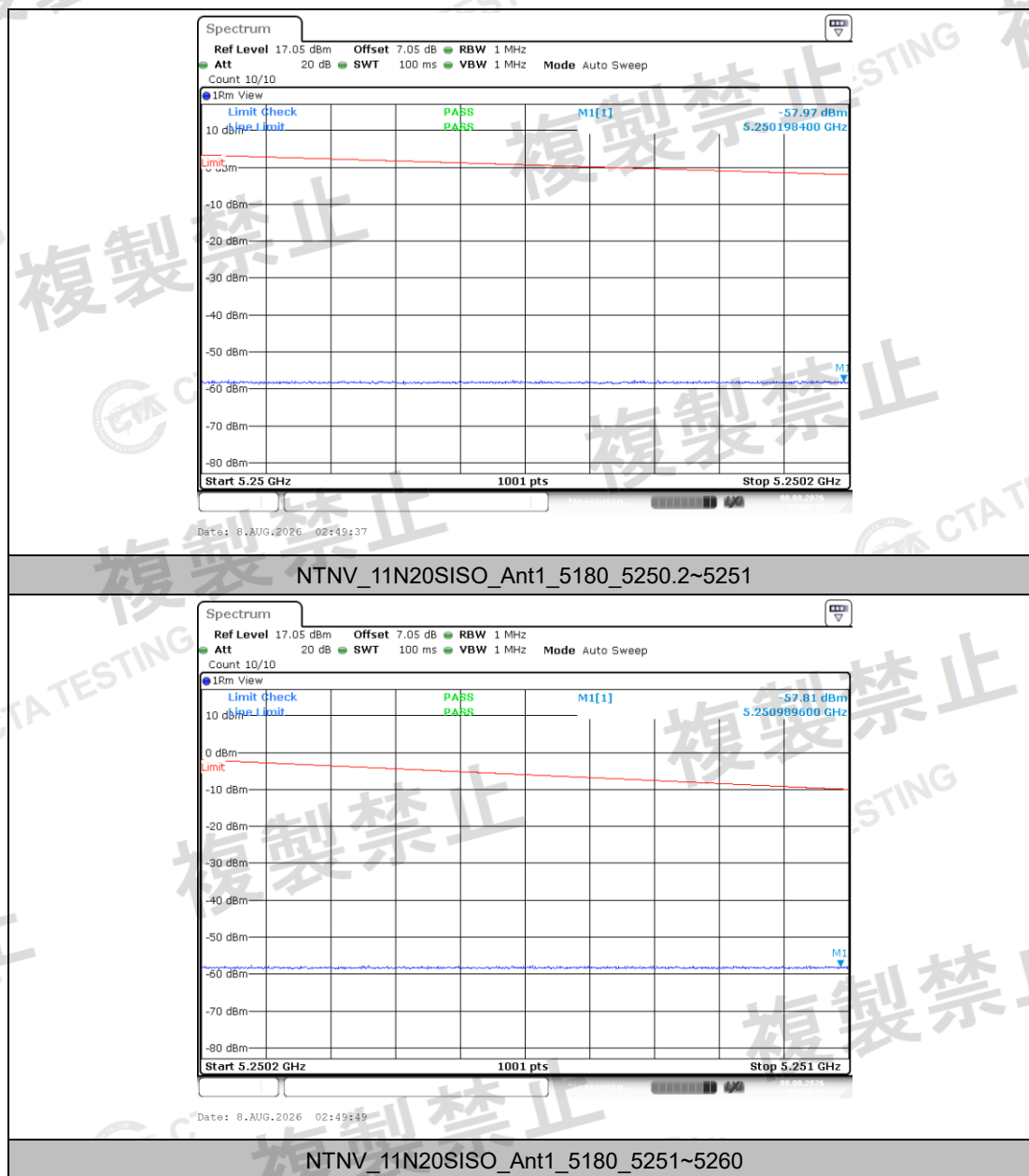
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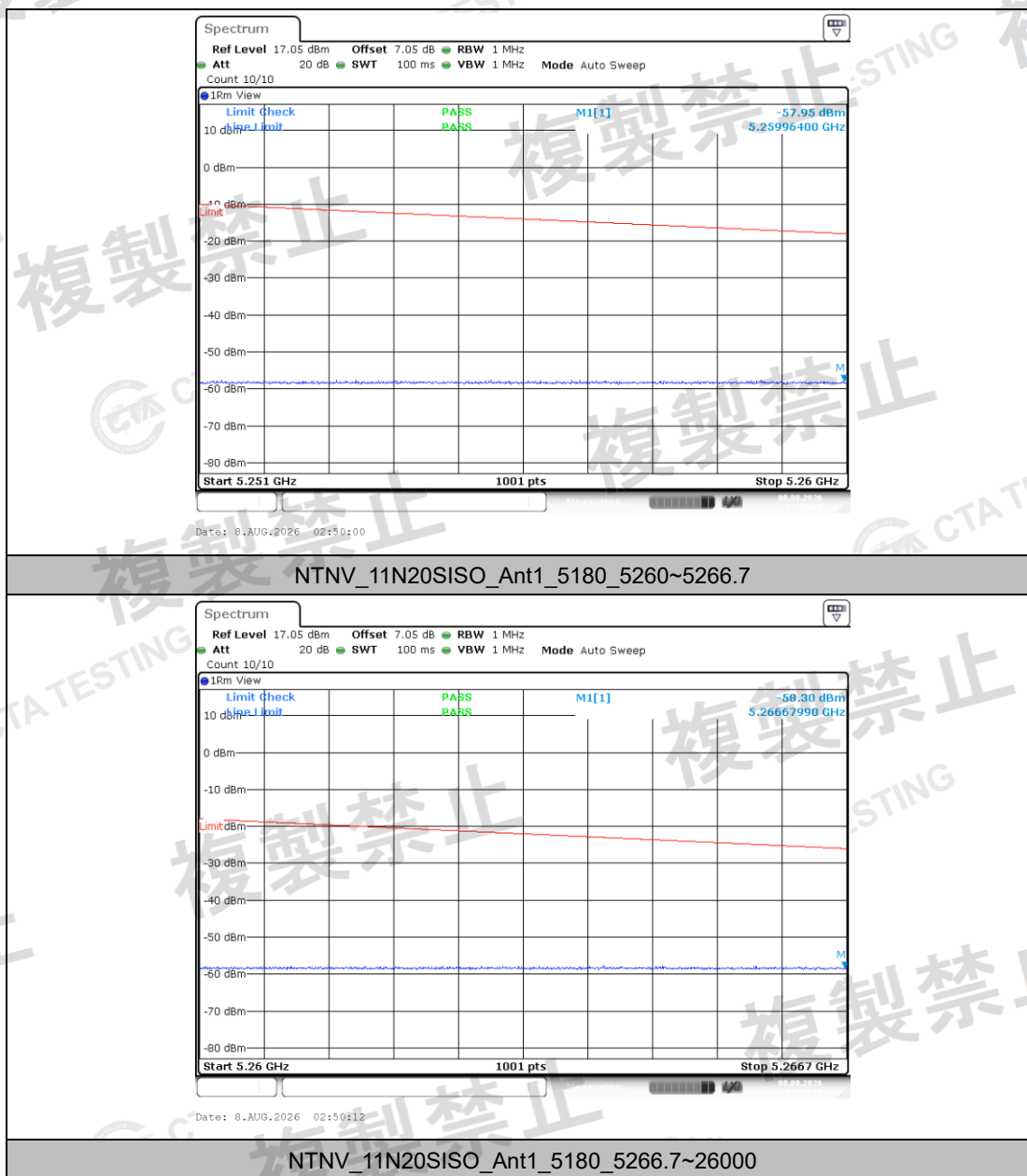
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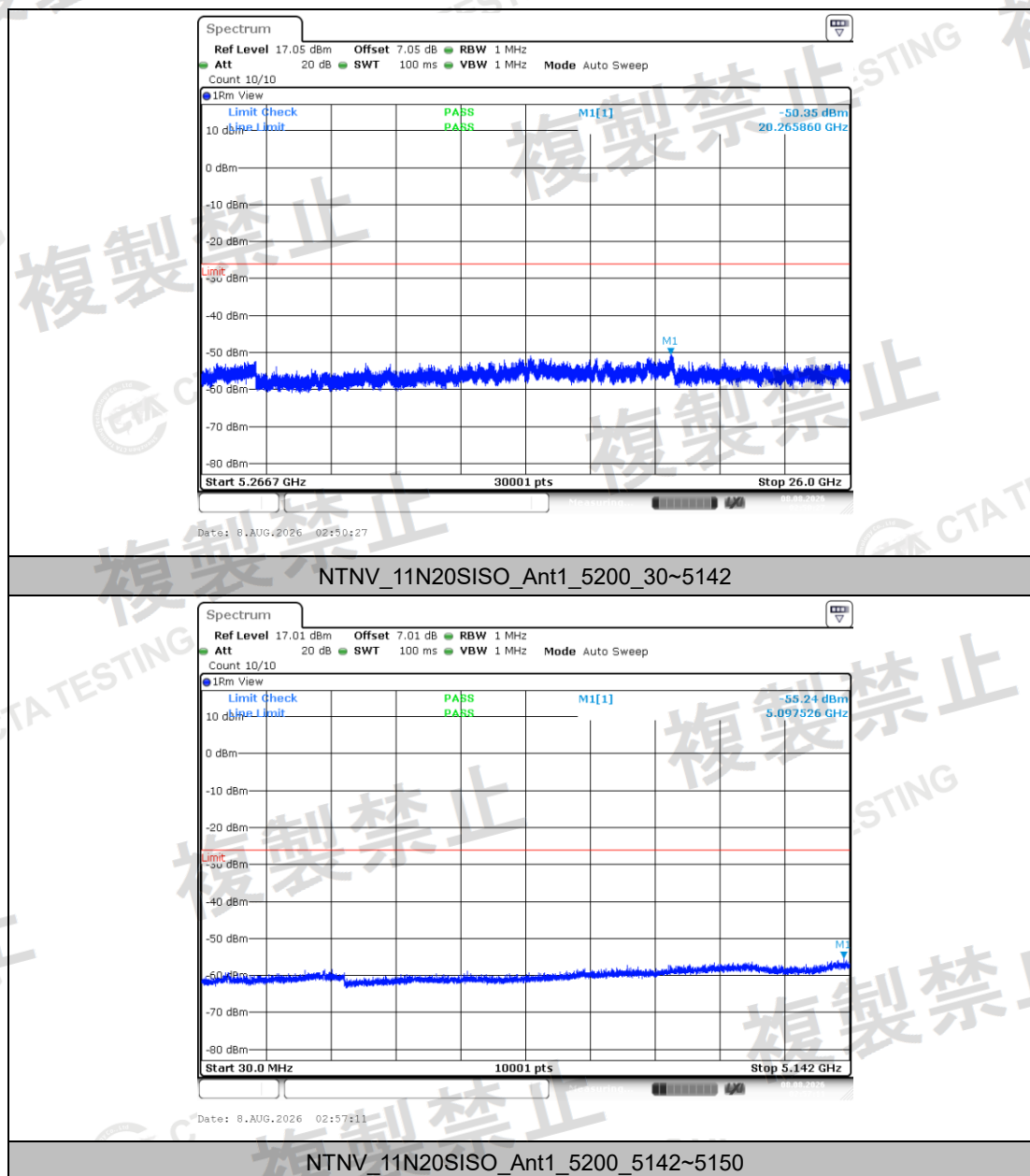
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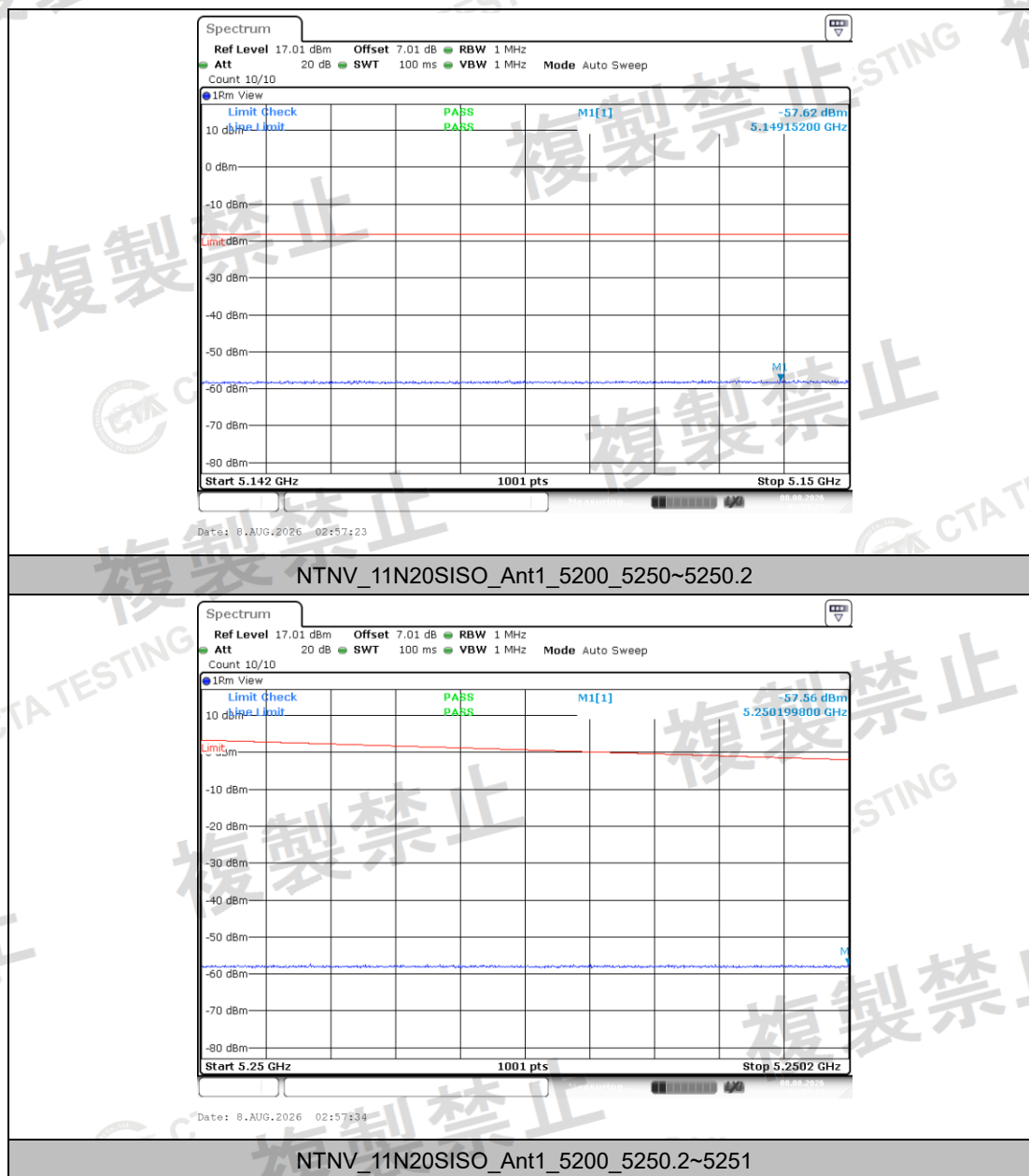
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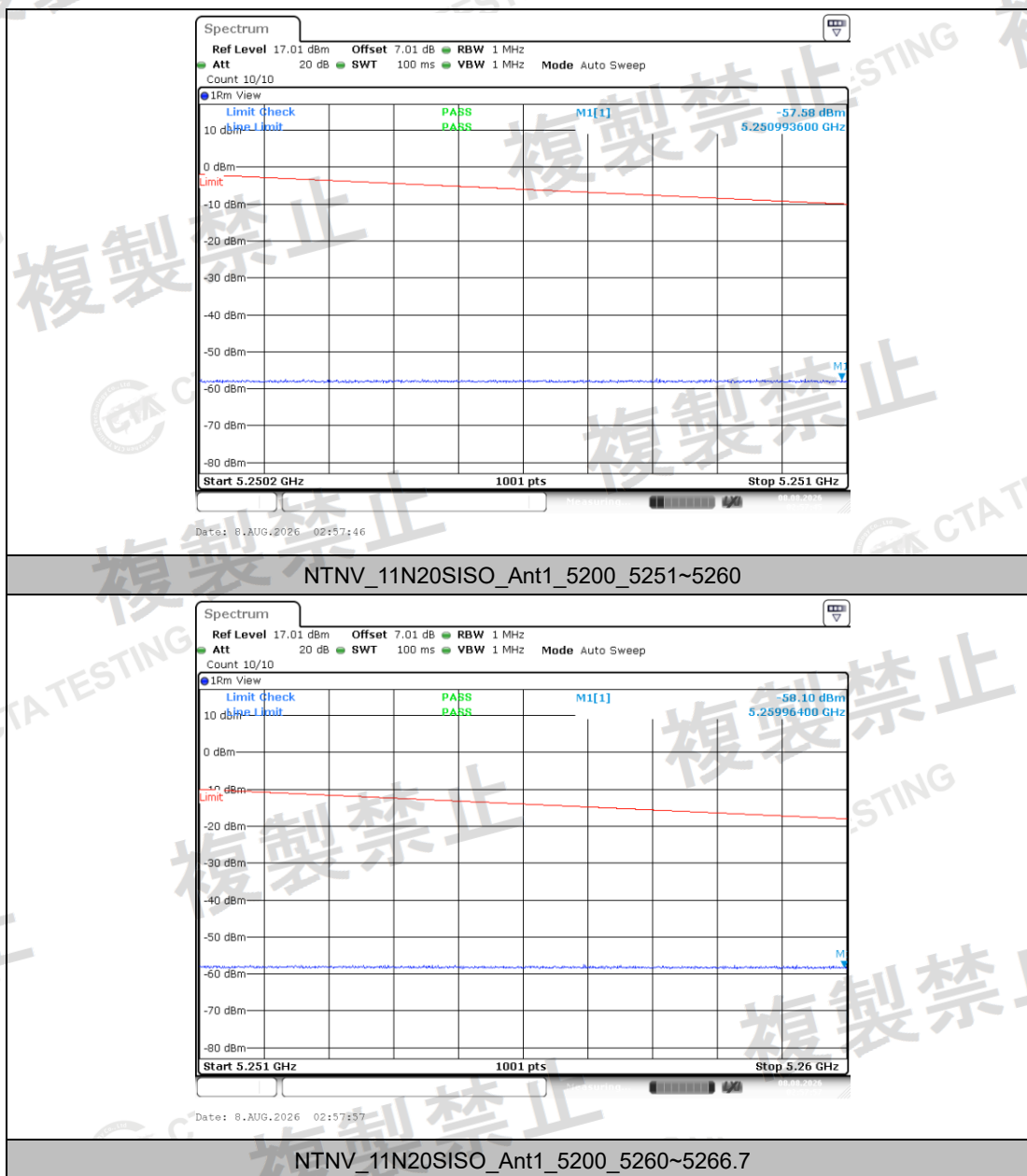
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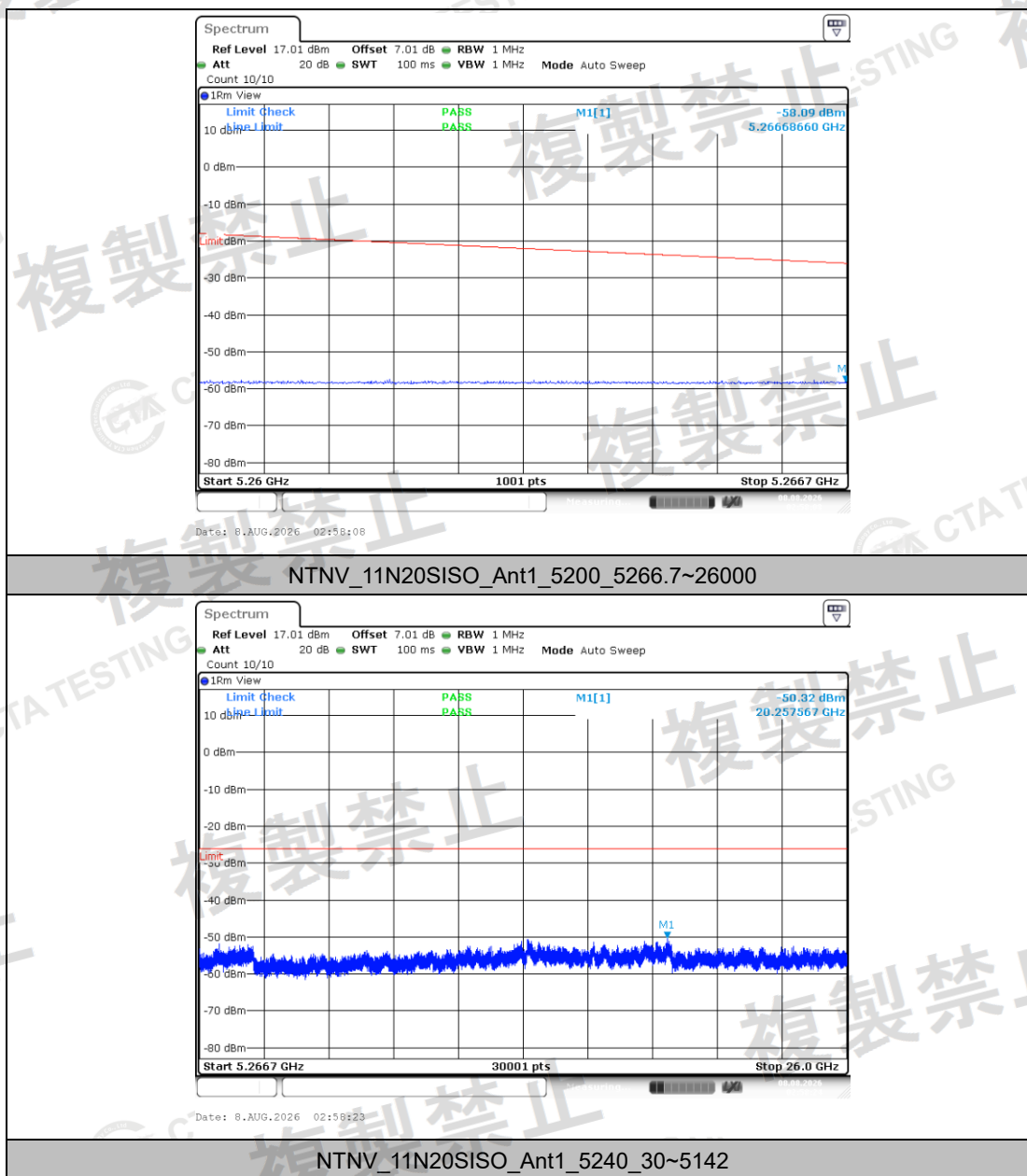
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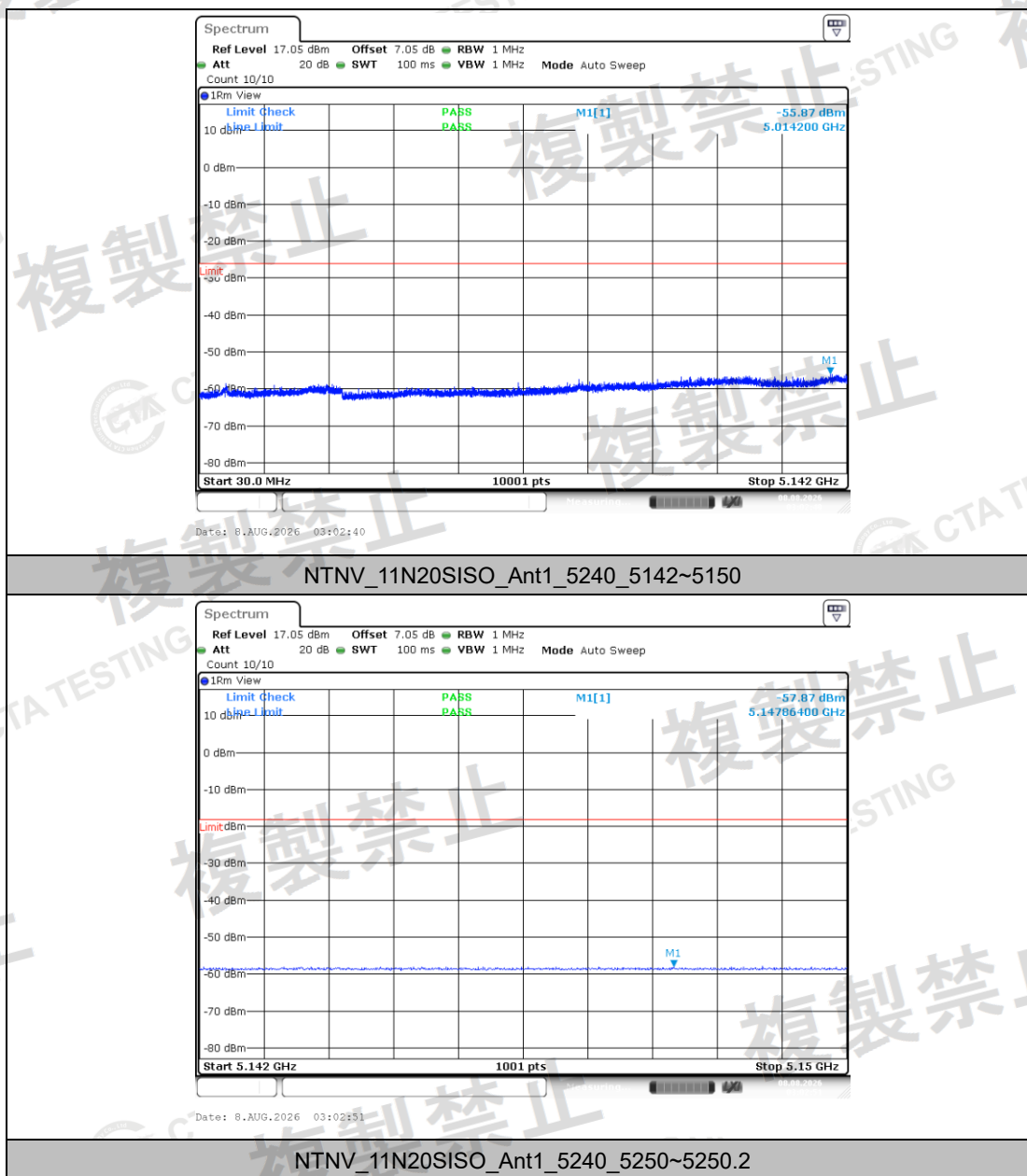
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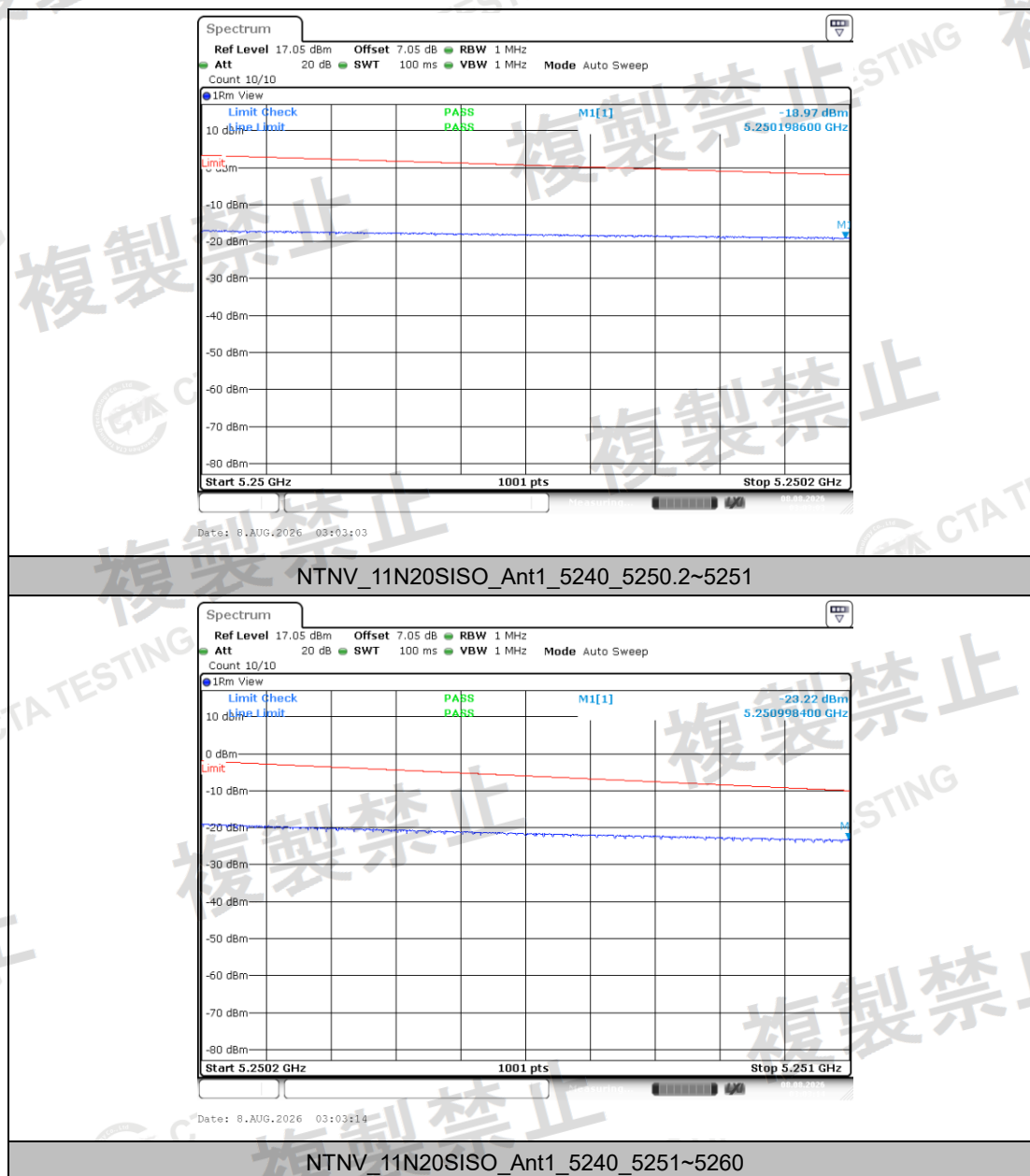
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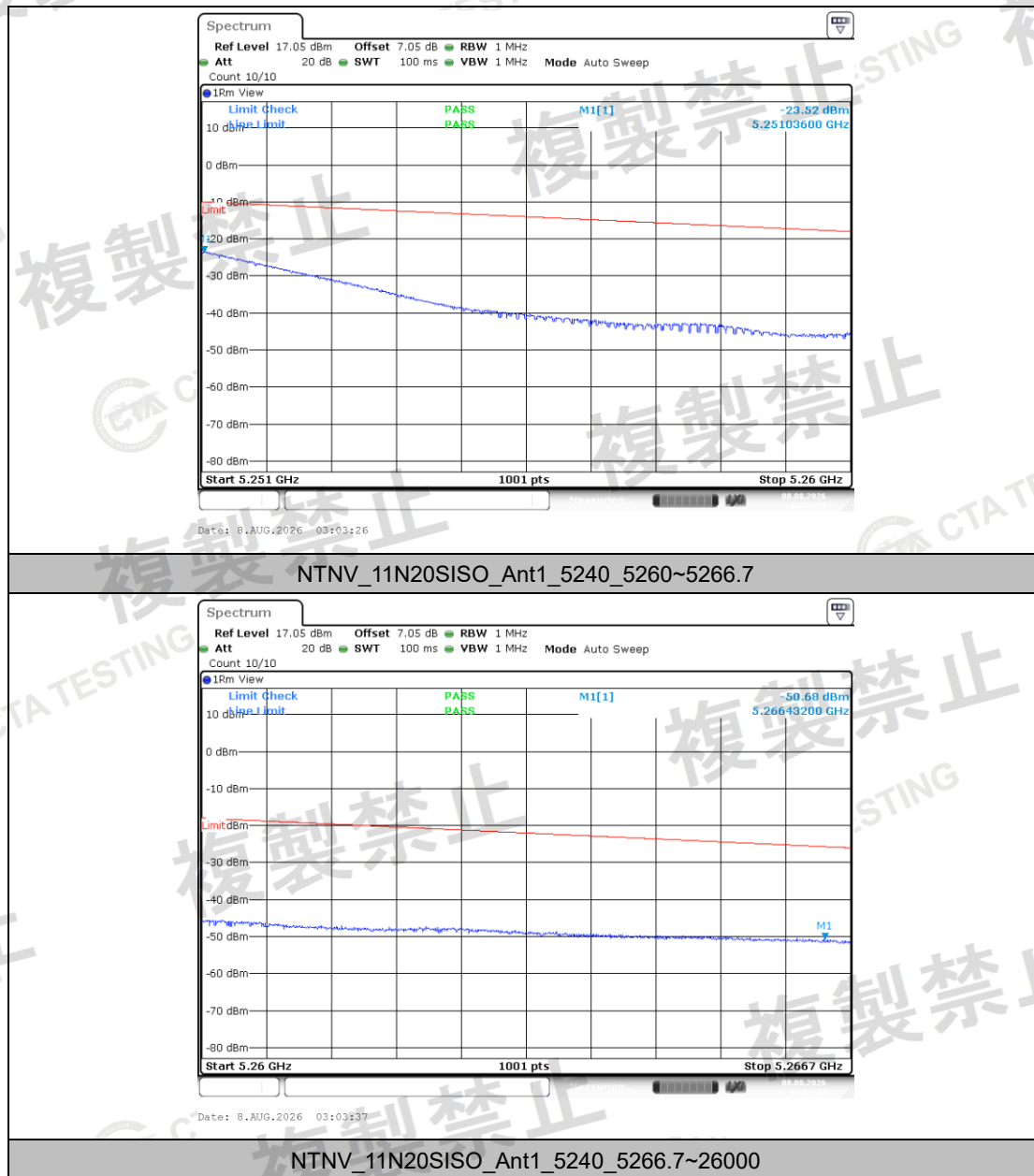
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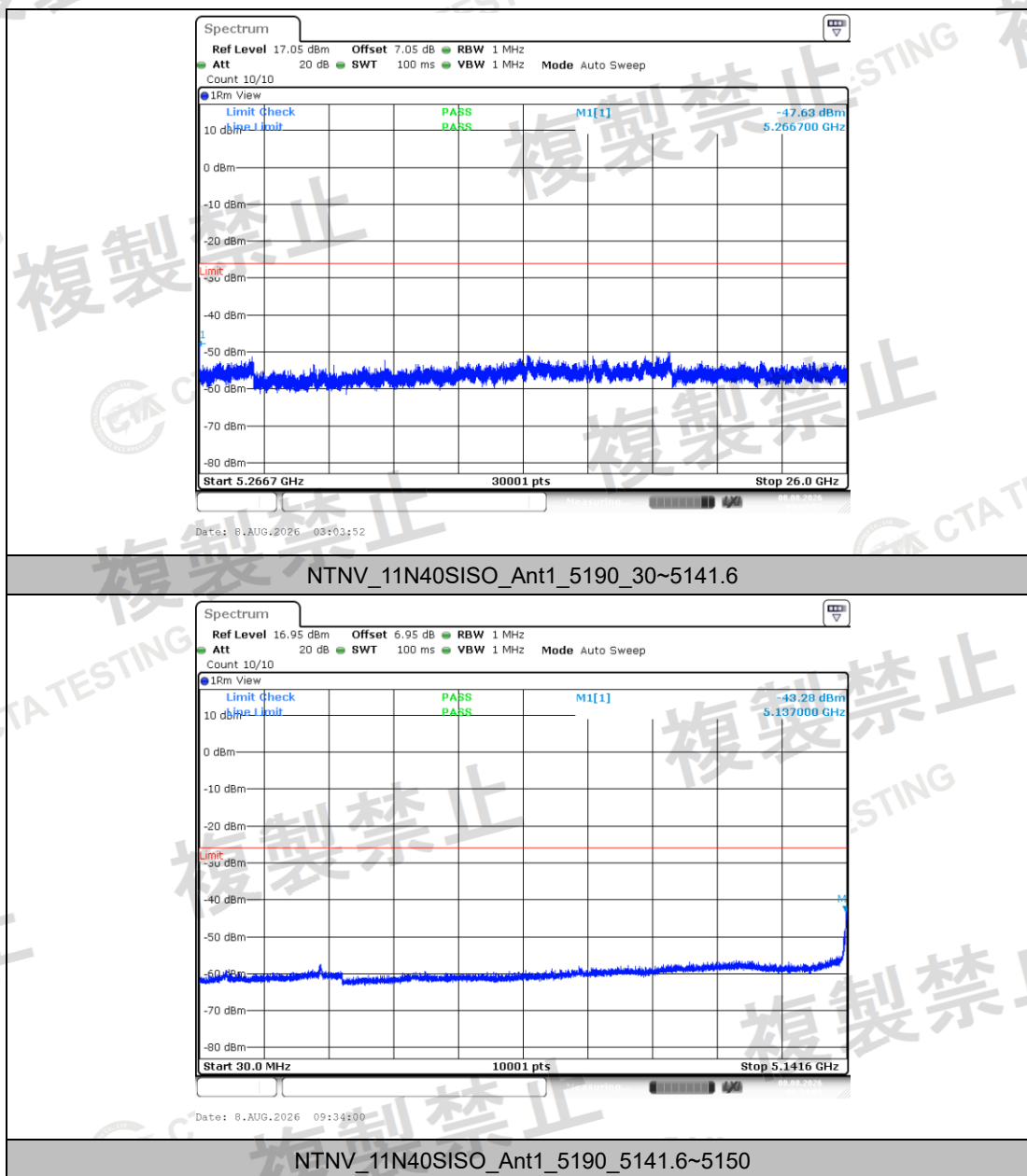
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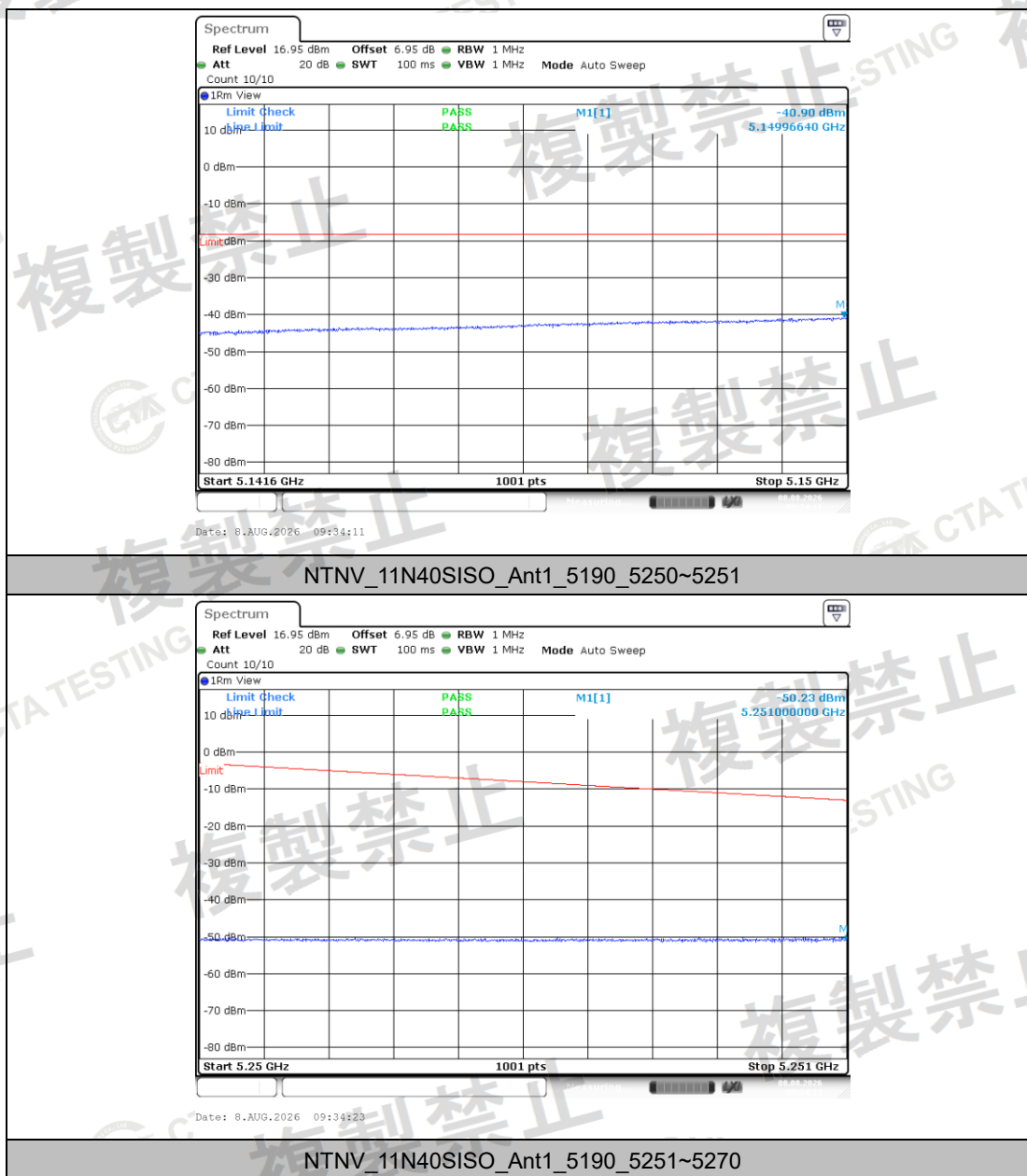
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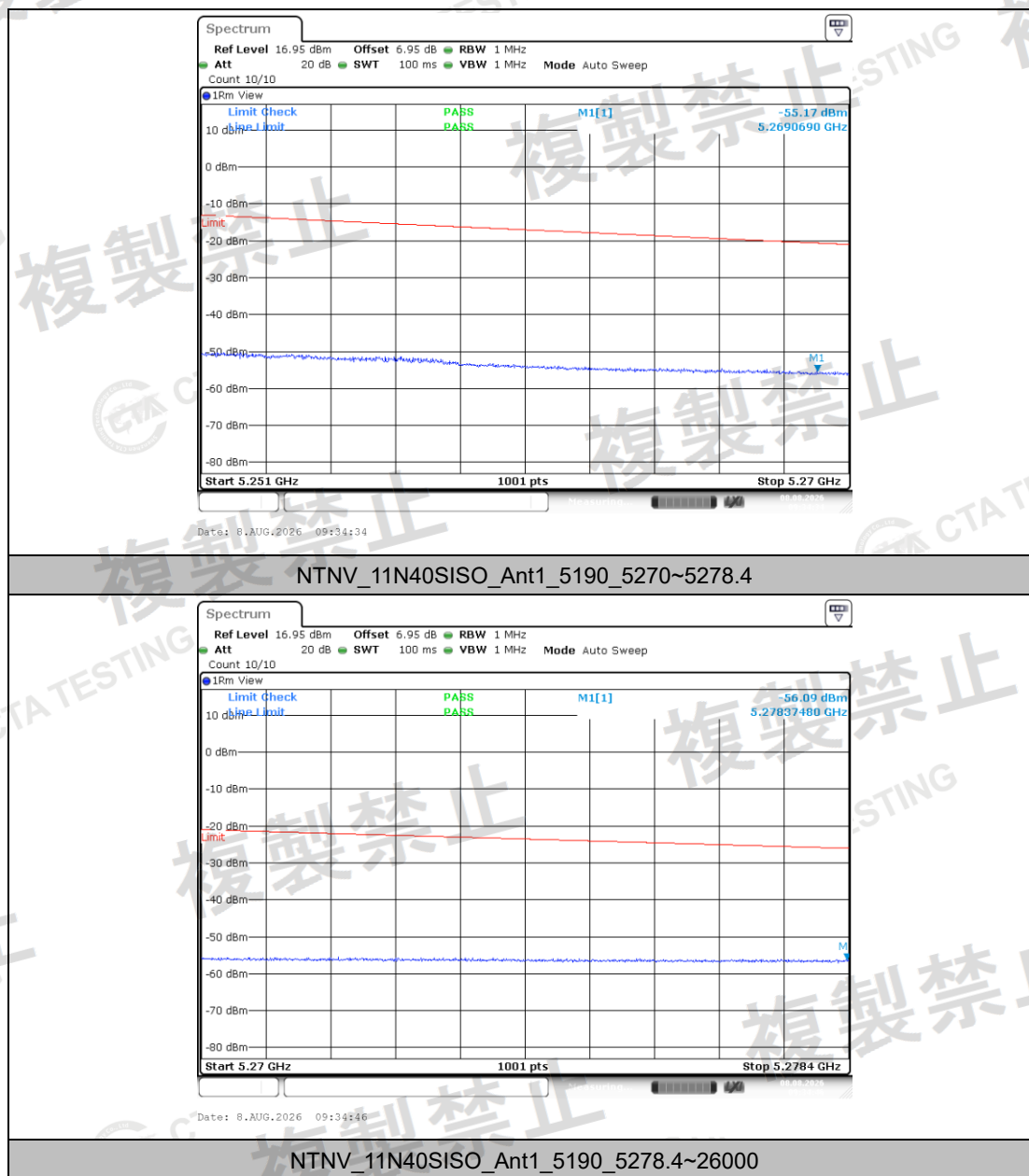
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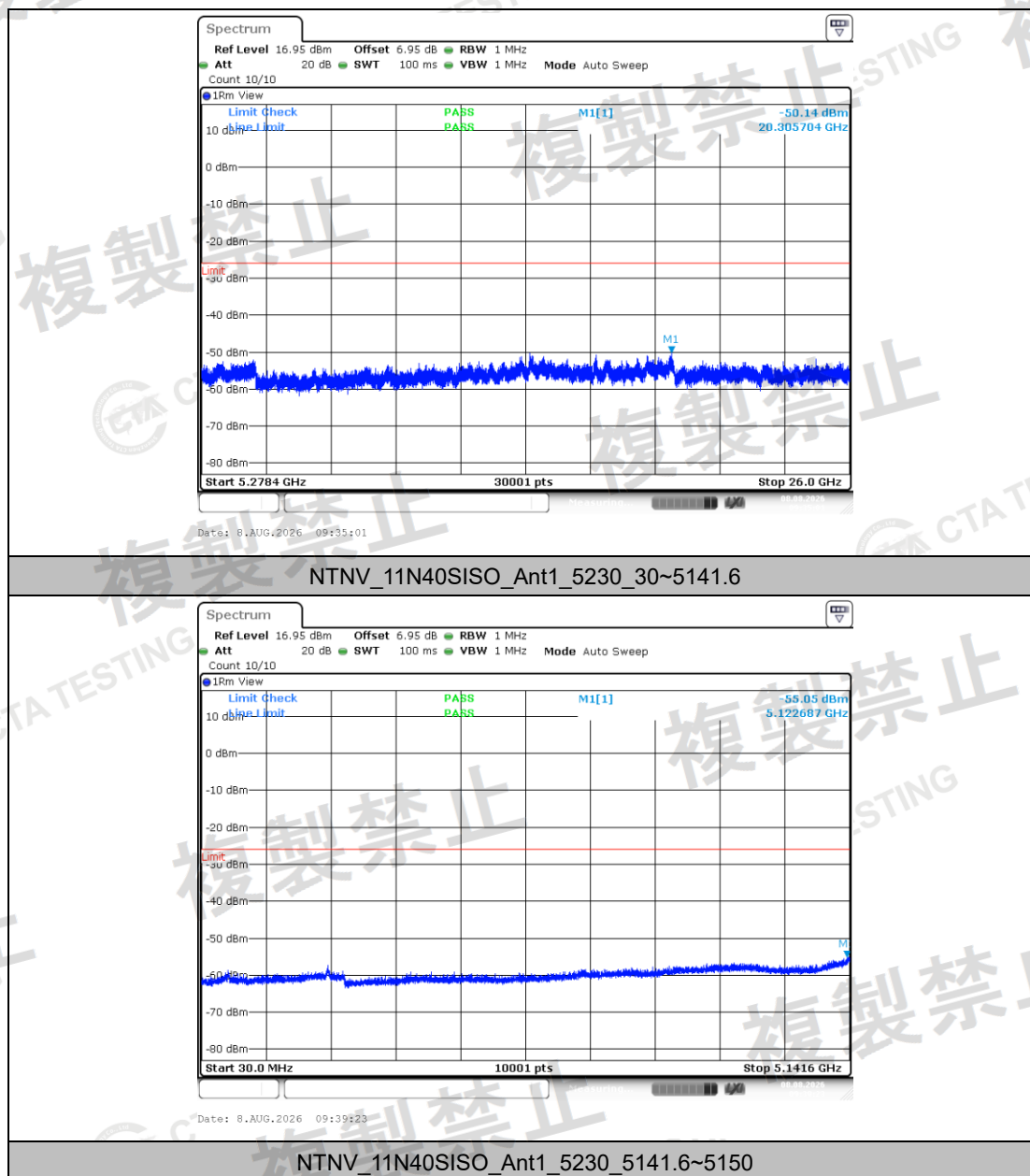
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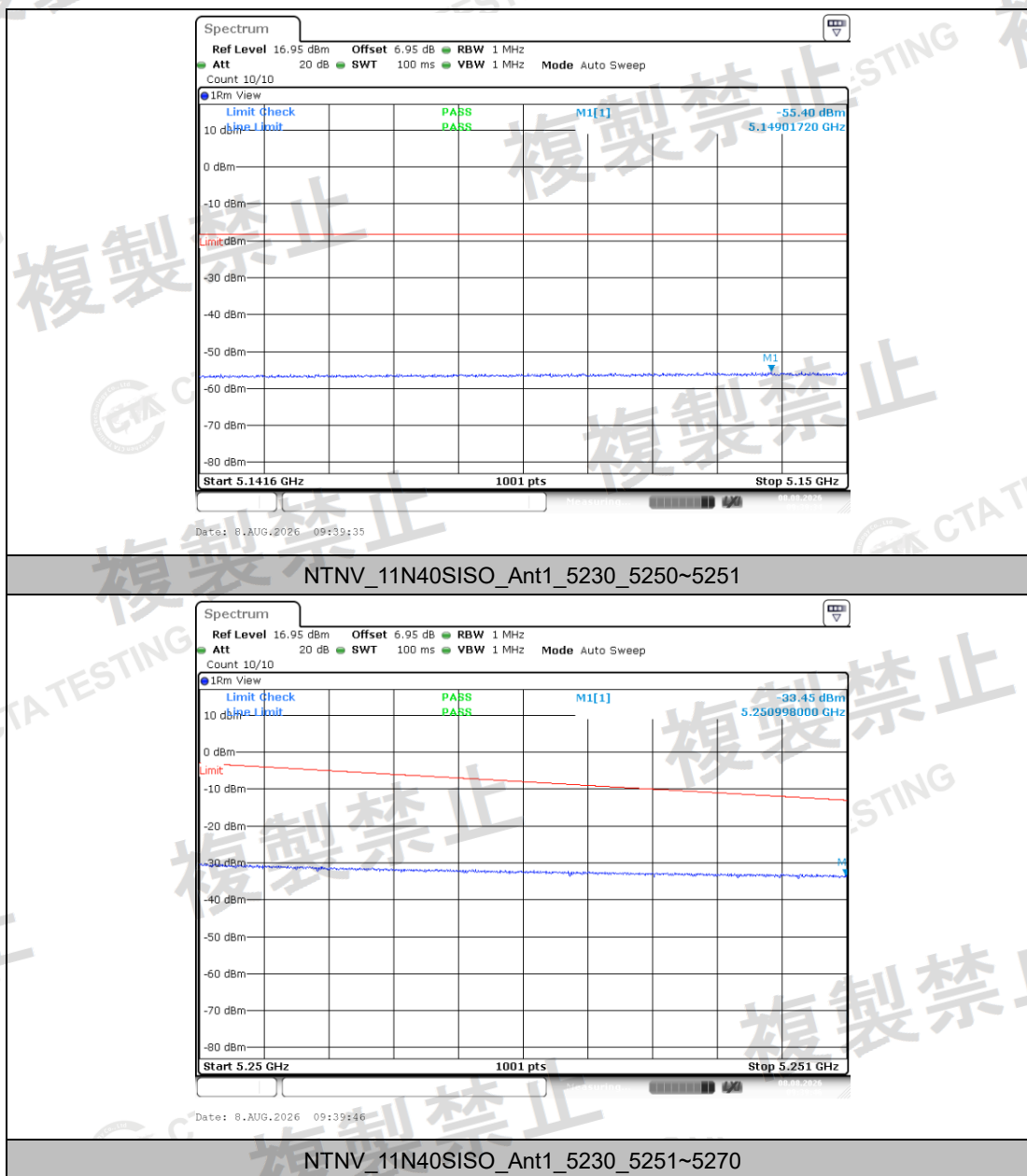
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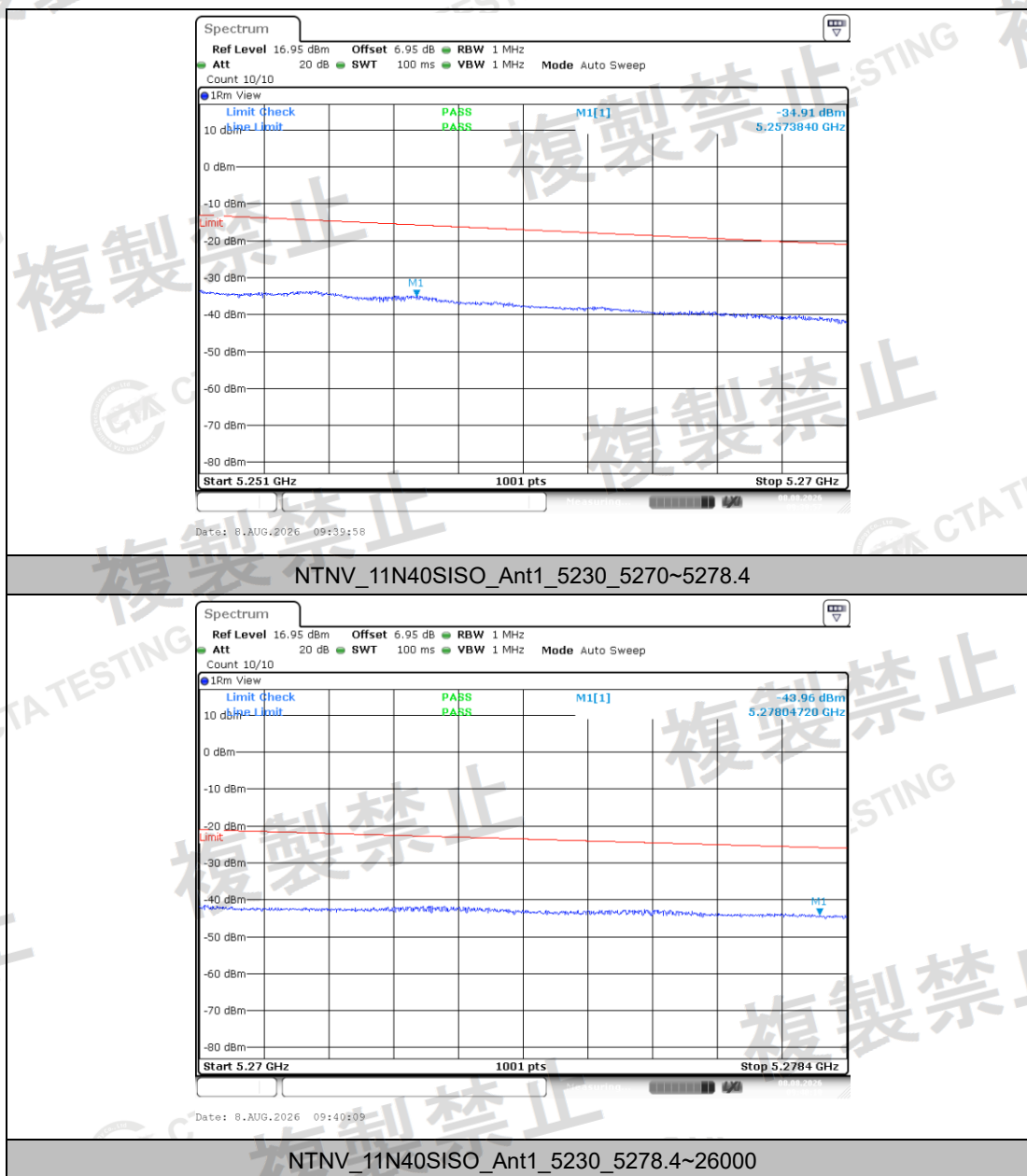
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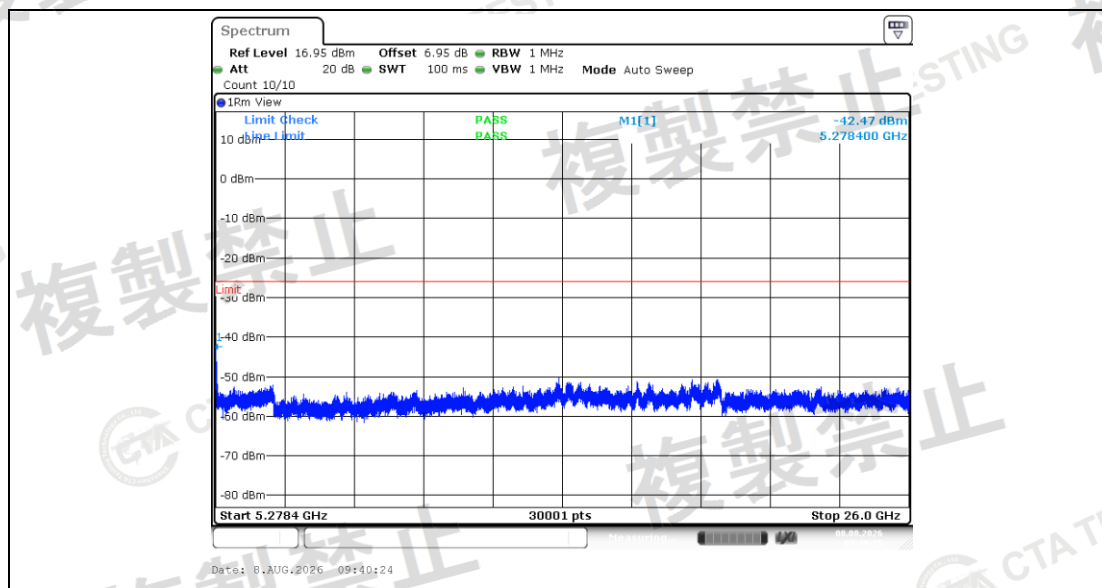
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Appendix E: Spurious Emission of RX

Test Result

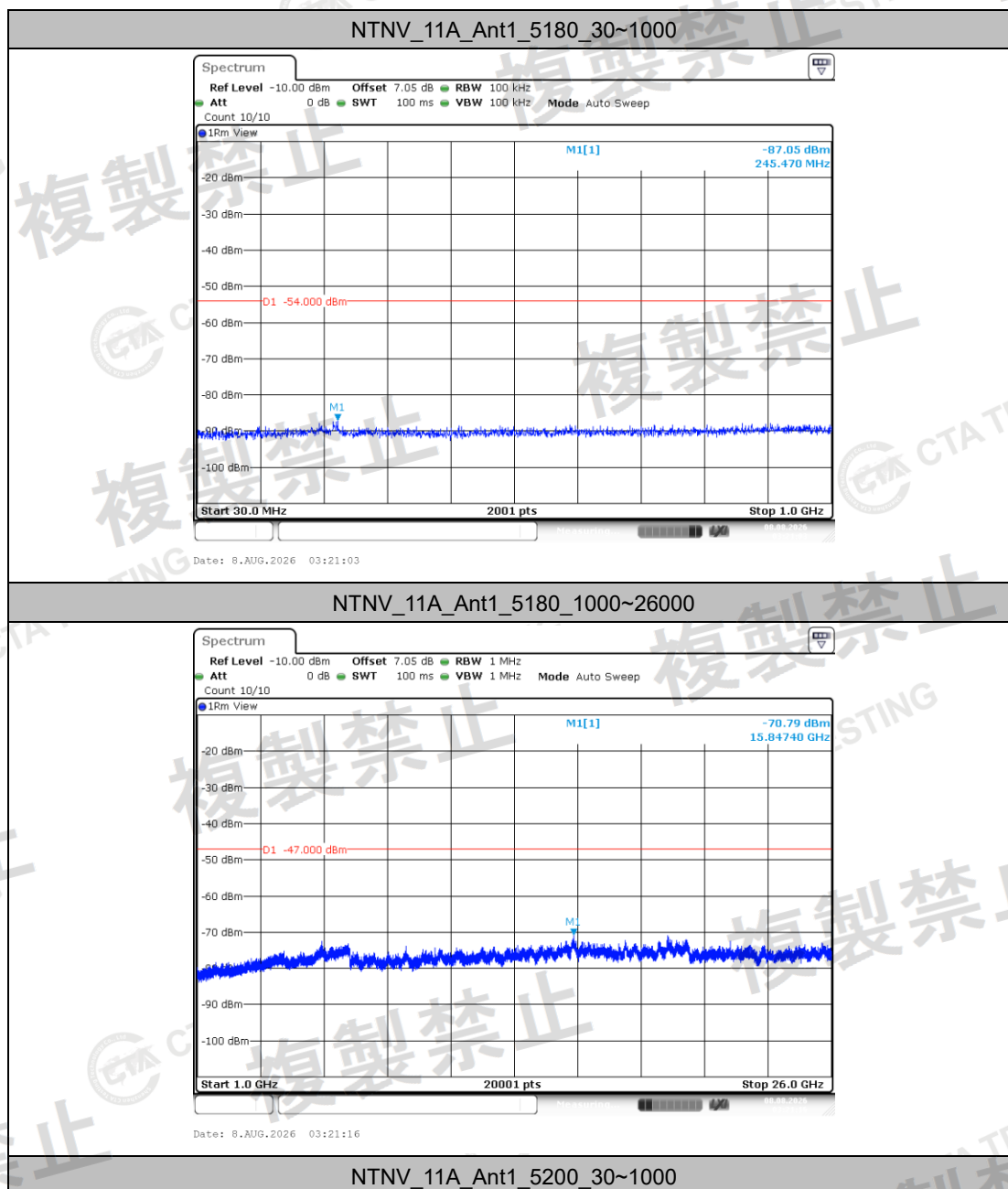
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NTNV	11A	Ant1	5180	30~1000	245.47	-87.05	≤-54	0.00197	≤4	PASS
				1000~26000	15847.40	-70.79	≤-47	0.08337	≤20	PASS
			5200	30~1000	242.57	-87.16	≤-54	0.00192	≤4	PASS
				1000~26000	20332.20	-71.32	≤-47	0.07379	≤20	PASS
			5240	30~1000	987.15	-87.61	≤-54	0.00173	≤4	PASS
				1000~26000	15783.60	-71.02	≤-47	0.07907	≤20	PASS
	11N20SI SO	Ant1	5180	30~1000	904.75	-84.35	≤-54	0.00367	≤4	PASS
				1000~26000	15847.40	-71.39	≤-47	0.07261	≤20	PASS
			5200	30~1000	846.57	-87.69	≤-54	0.00170	≤4	PASS
				1000~26000	15839.90	-71.65	≤-47	0.06839	≤20	PASS
			5240	30~1000	924.62	-87.32	≤-54	0.00185	≤4	PASS
				1000~26000	15833.60	-71.20	≤-47	0.07586	≤20	PASS
	11N40SI SO	Ant1	5190	30~1000	967.28	-87.30	≤-54	0.00186	≤4	PASS
				1000~26000	19539.70	-71.18	≤-47	0.07621	≤20	PASS
			5230	30~1000	221.24	-87.82	≤-54	0.00165	≤4	PASS
				1000~26000	15781.10	-71.46	≤-47	0.07145	≤20	PASS



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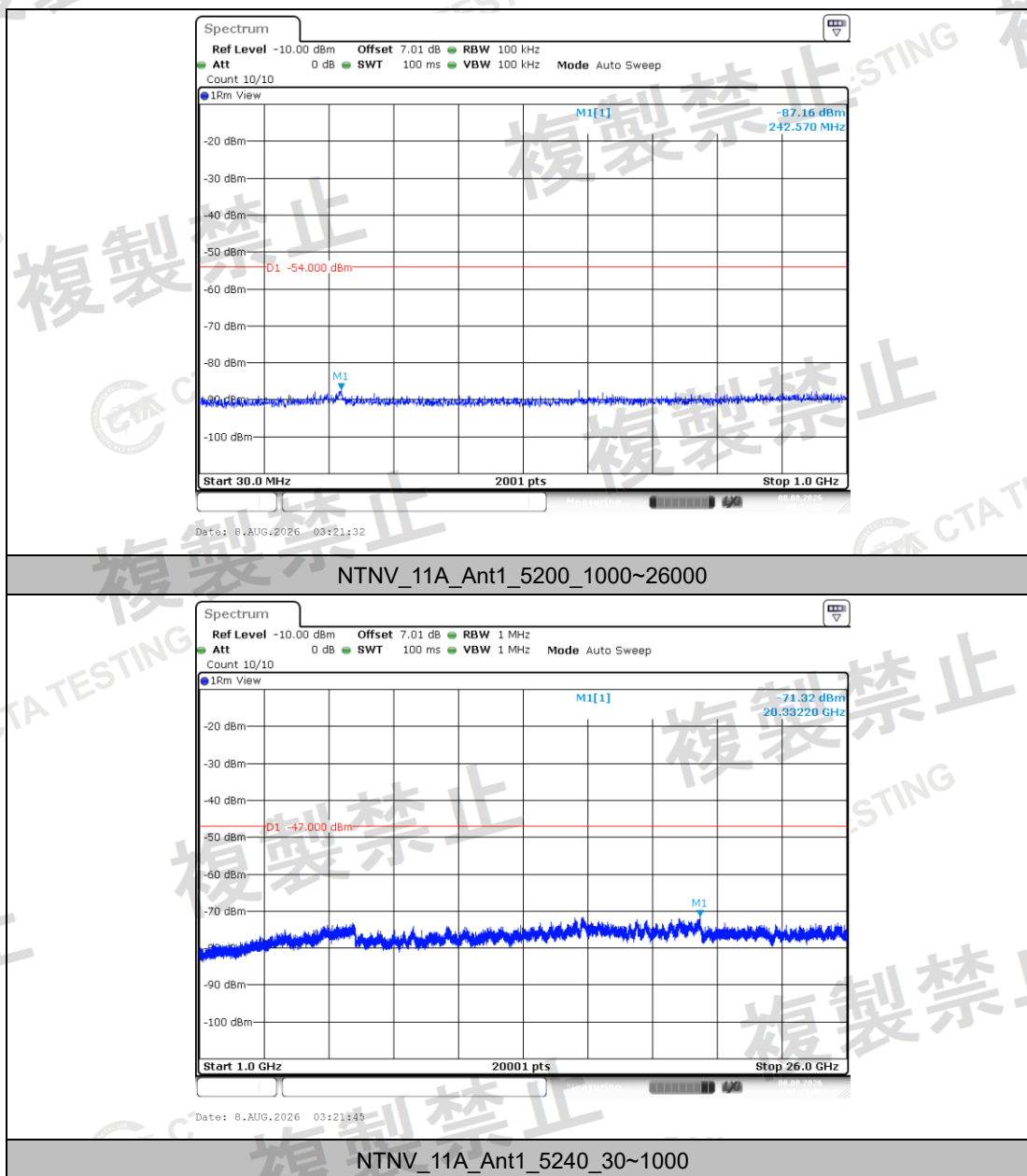
Test Graphs





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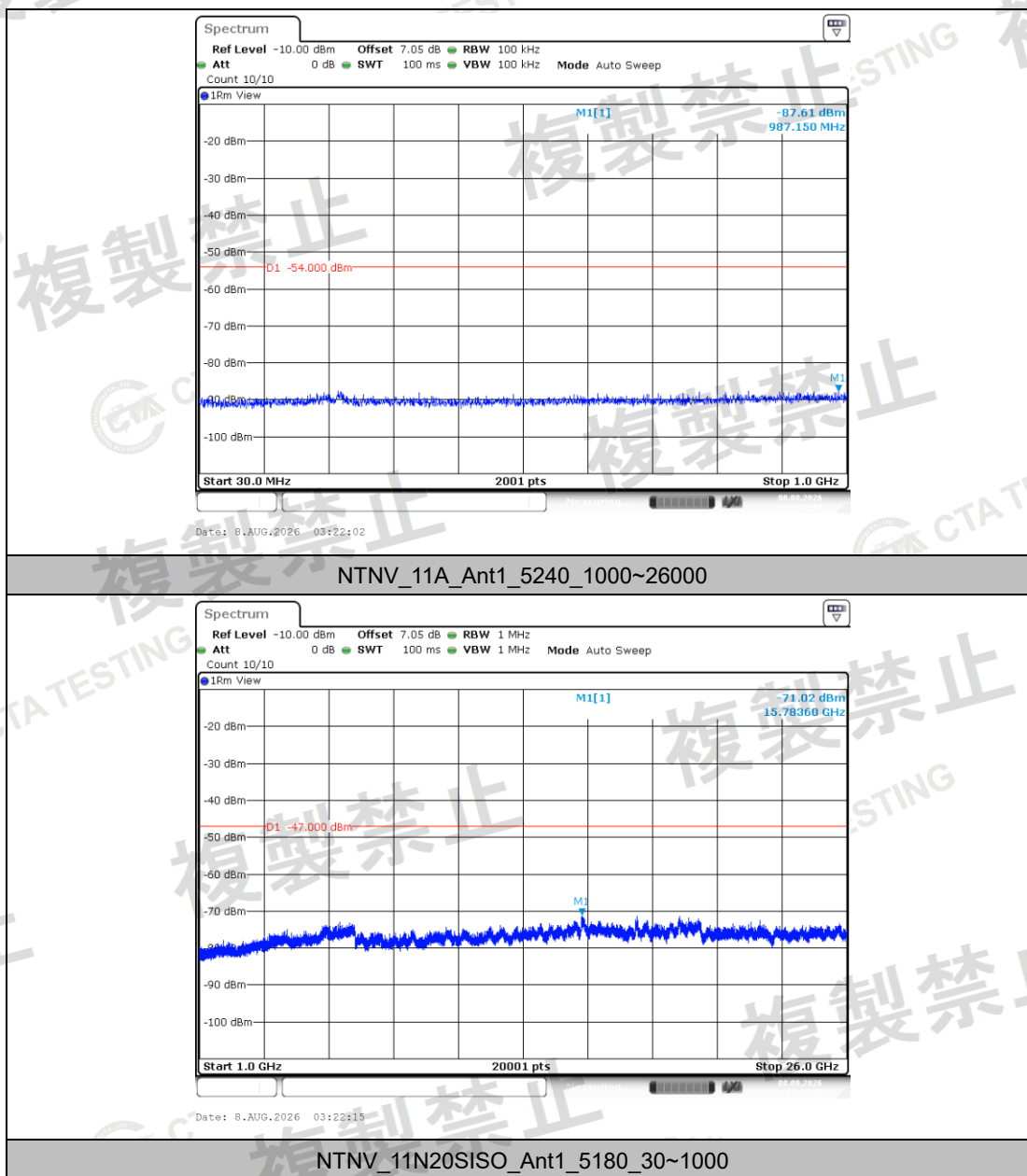
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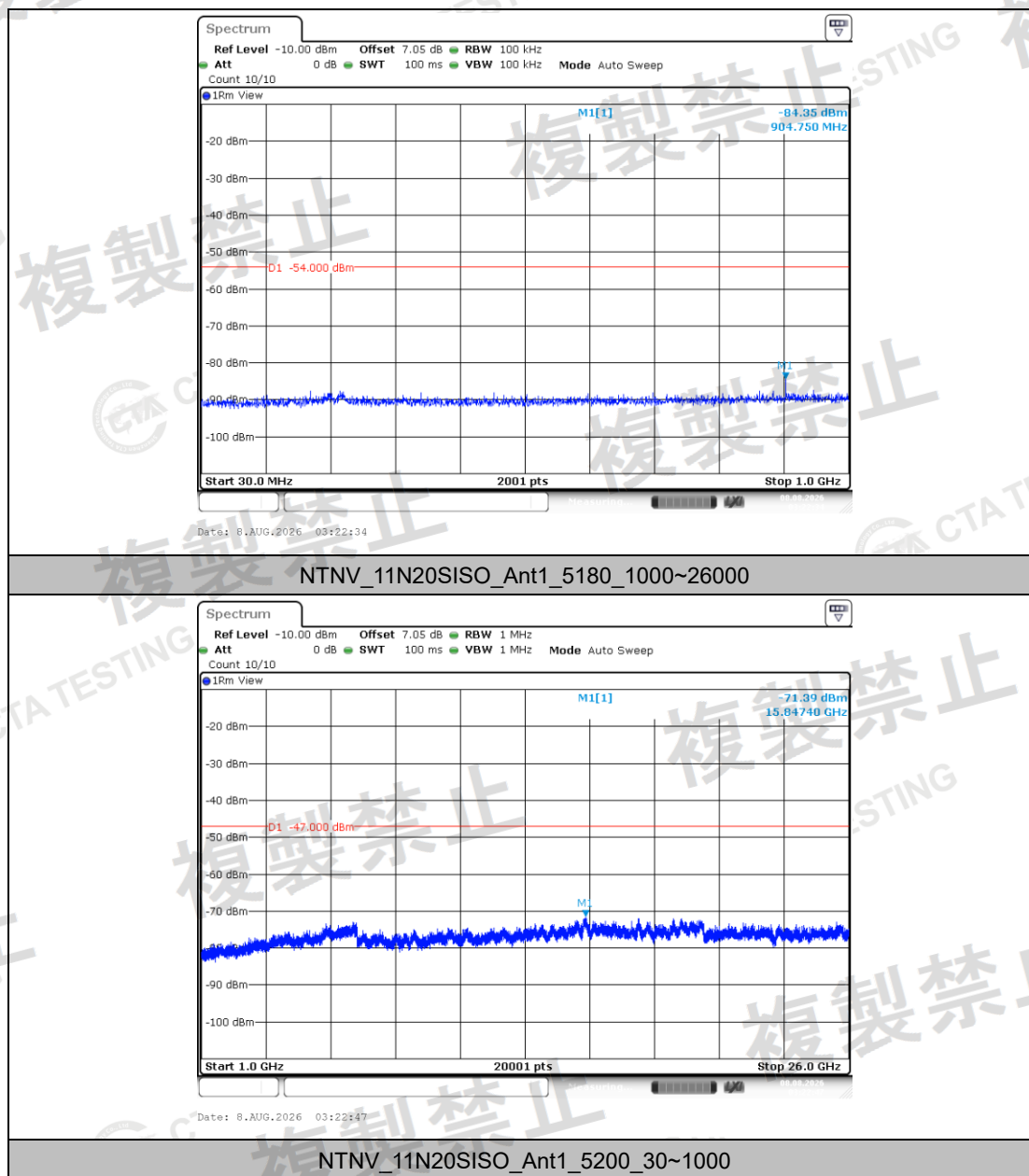
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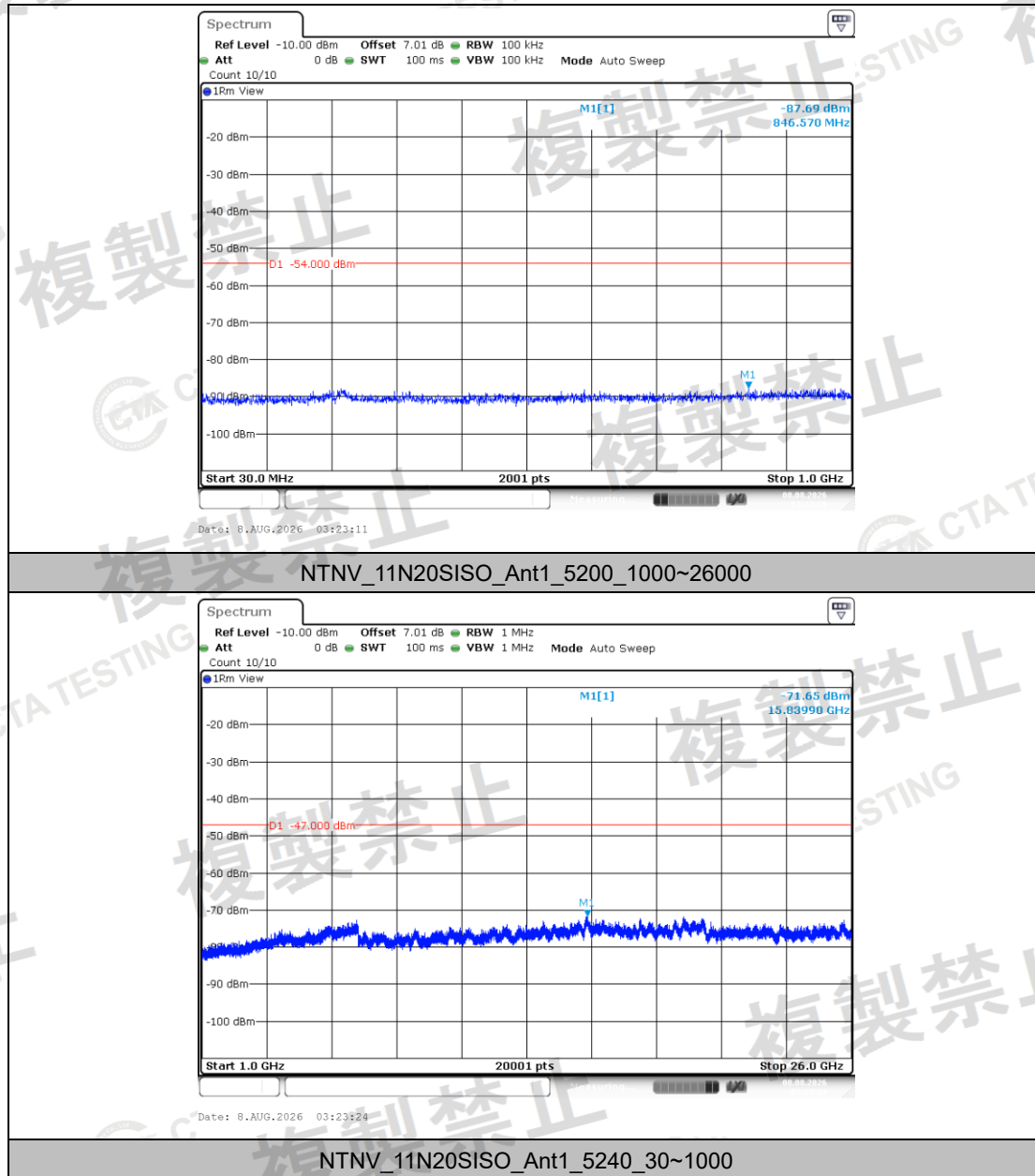
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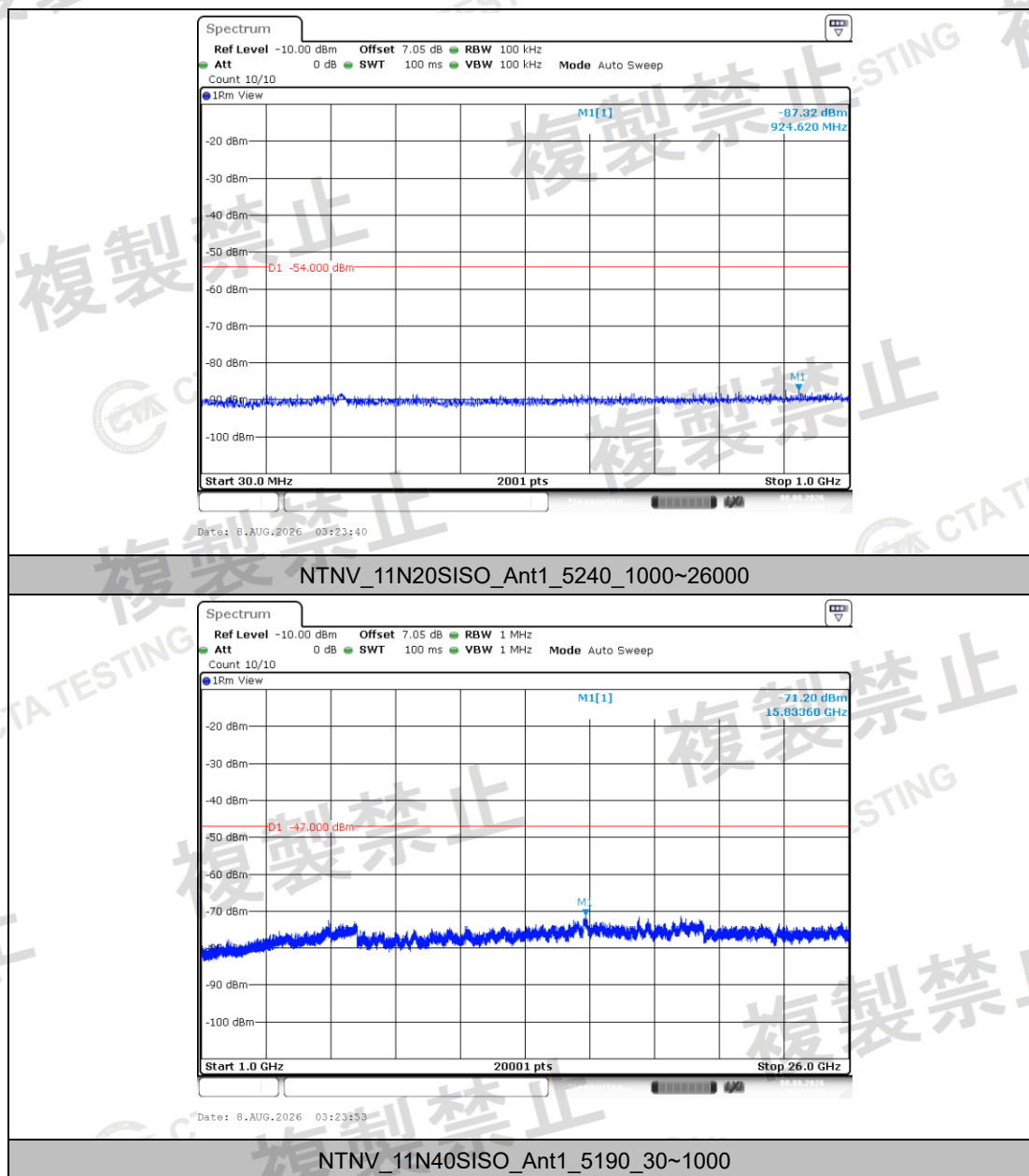
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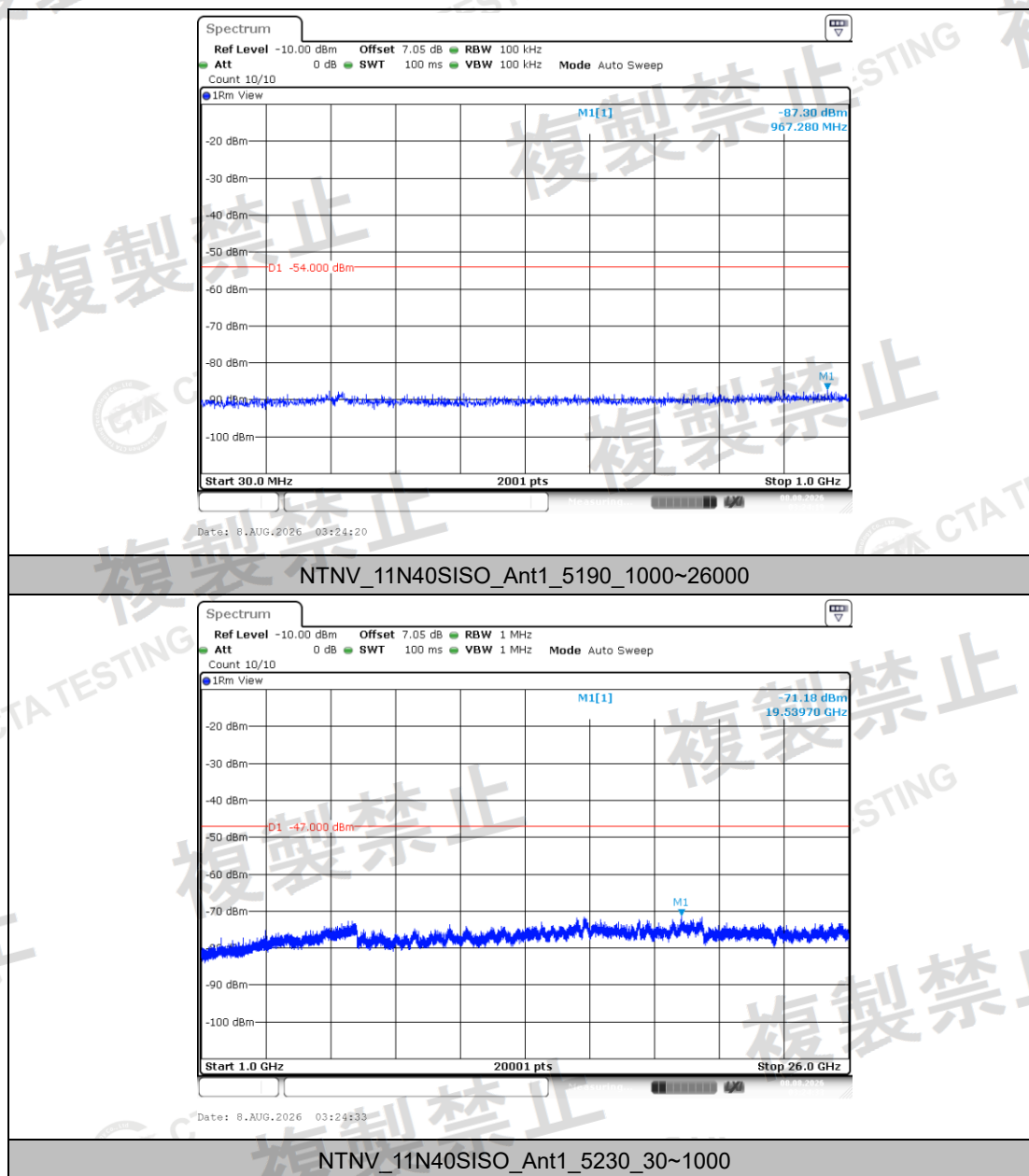
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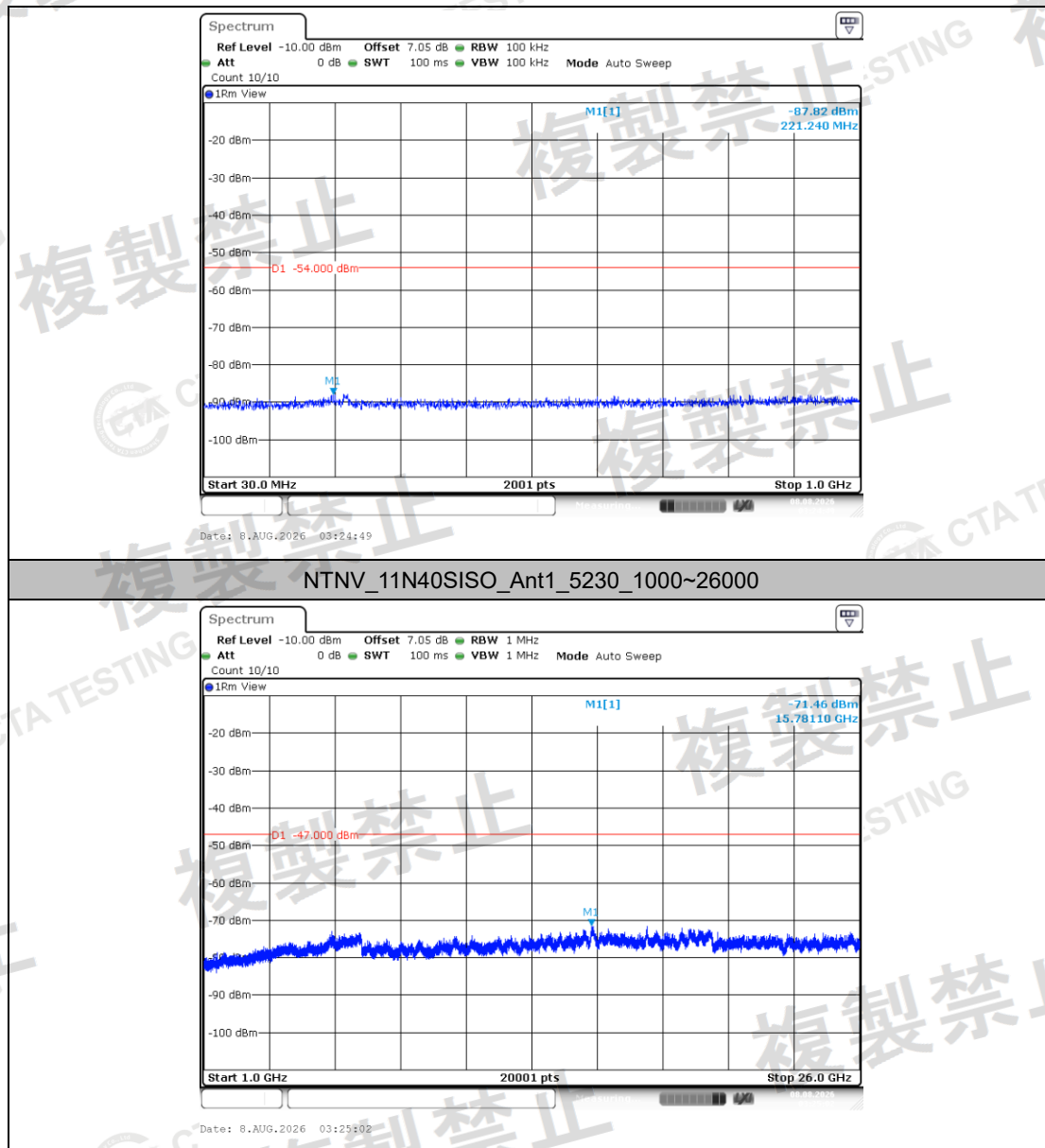
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Appendix F: Transmission Burst Length

Test Result

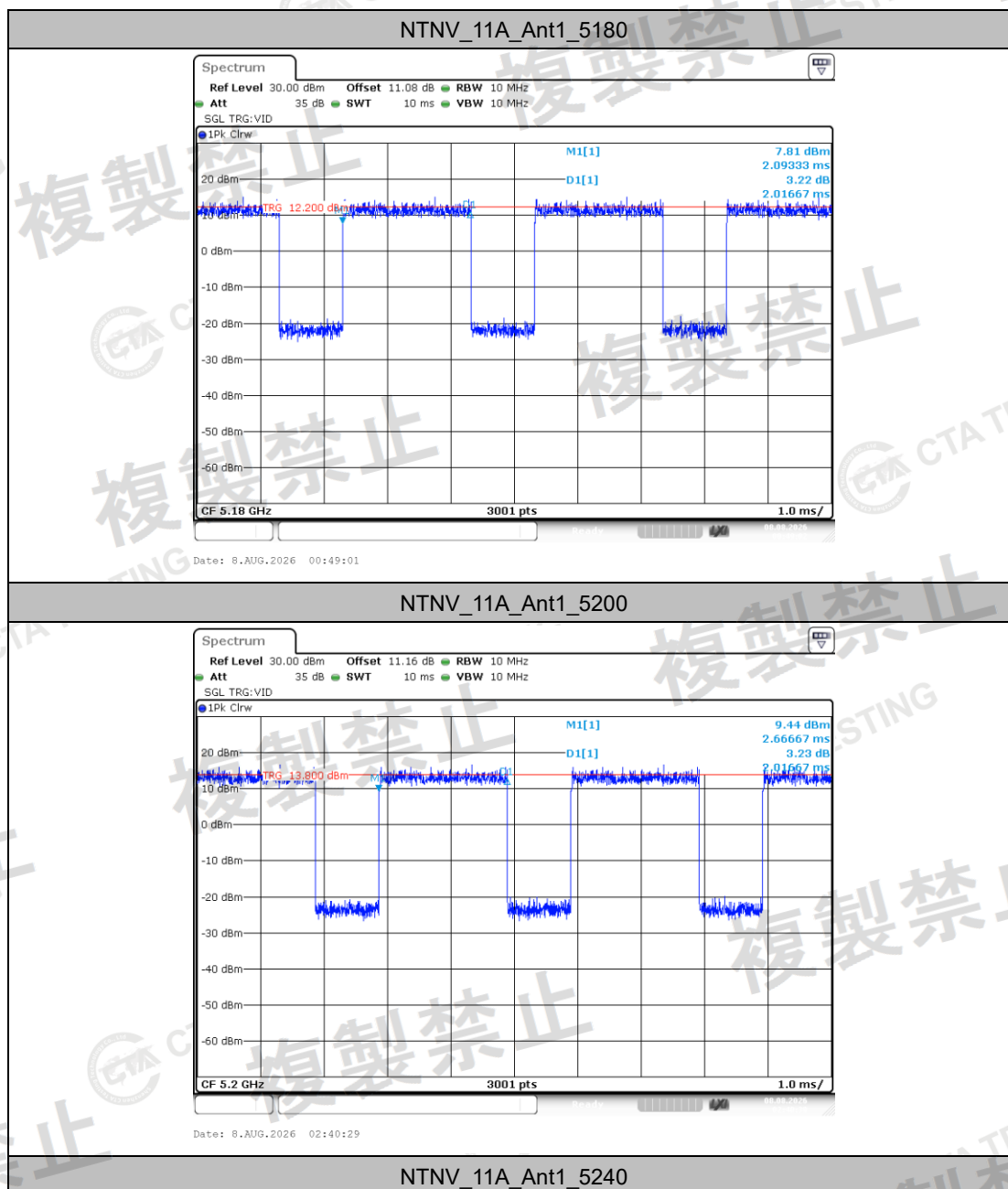
TestCondition	TestMode	Antenna	Freq(MHz)	Result [ms]	Limit [ms]	Verdict
NTNV	11A	Ant1	5180	2.02	≤8	PASS
			5200	2.02	≤8	PASS
			5240	2.01	≤8	PASS
	11N20SI SO	Ant1	5180	1.88	≤8	PASS
			5200	1.88	≤8	PASS
			5240	1.88	≤8	PASS
	11N40SI SO	Ant1	5190	0.92	≤8	PASS
			5230	0.92	≤8	PASS



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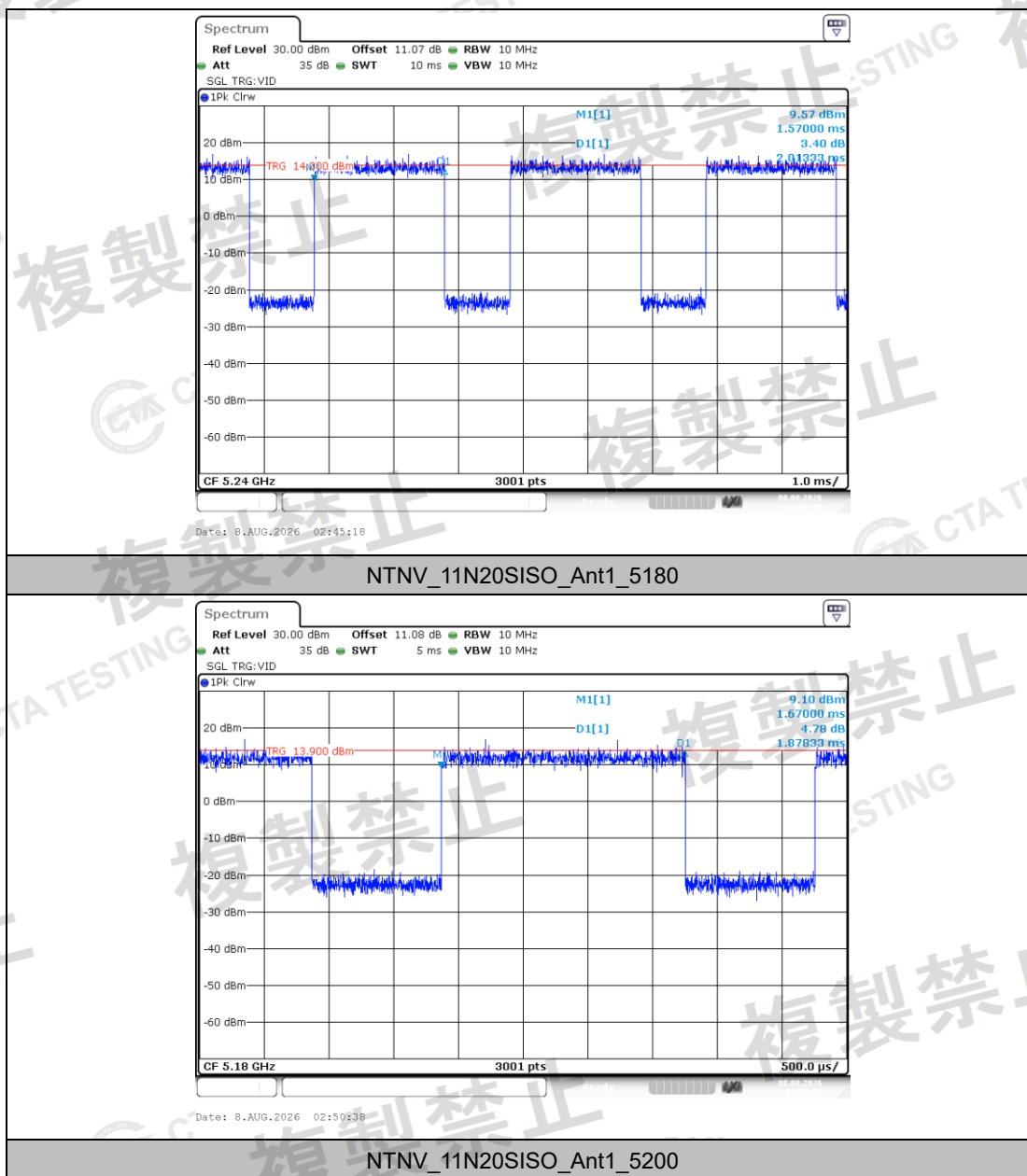
Test Graphs





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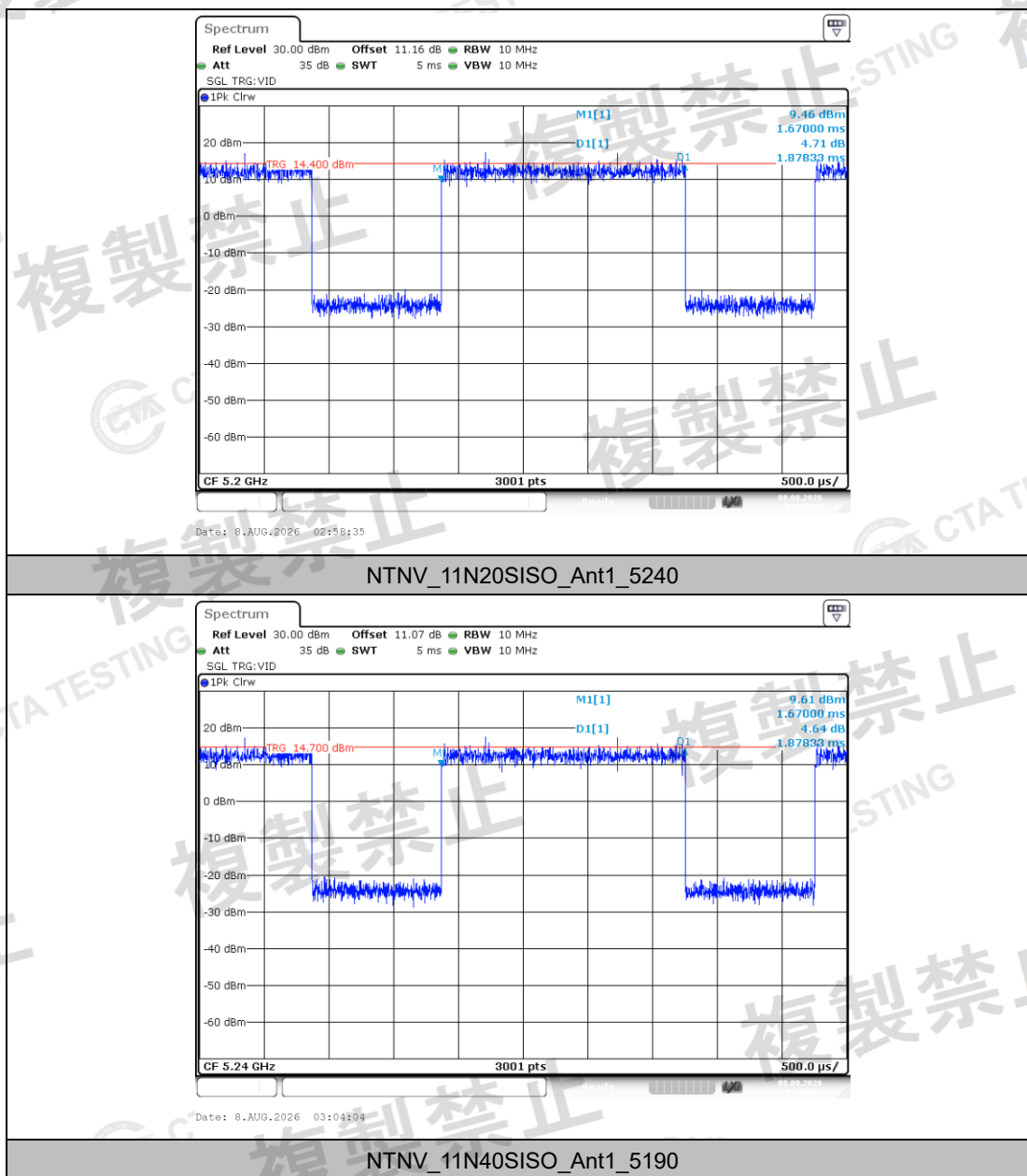
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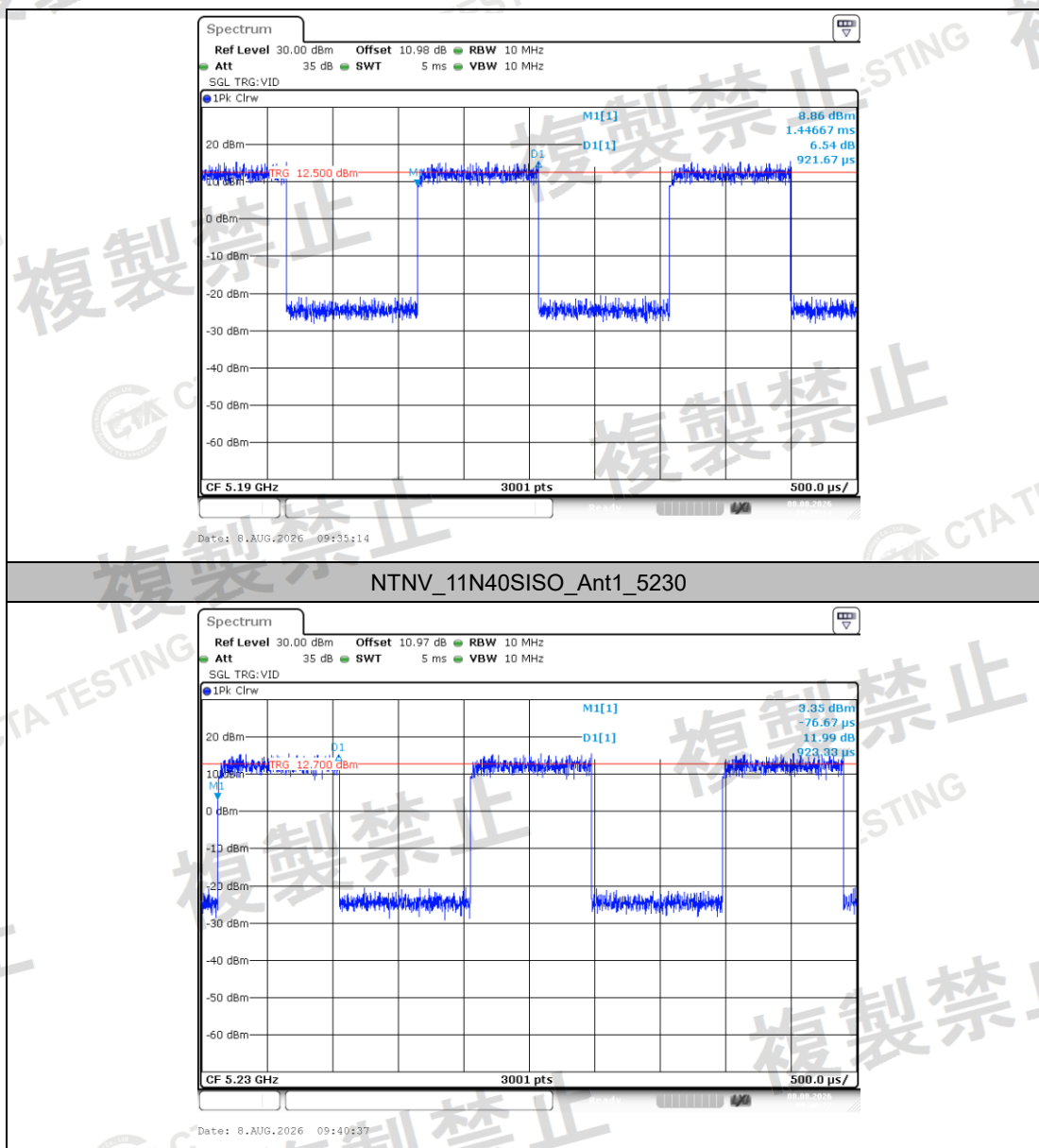
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Appendix G: Adjacent Channel Power Tolerance

Test Result

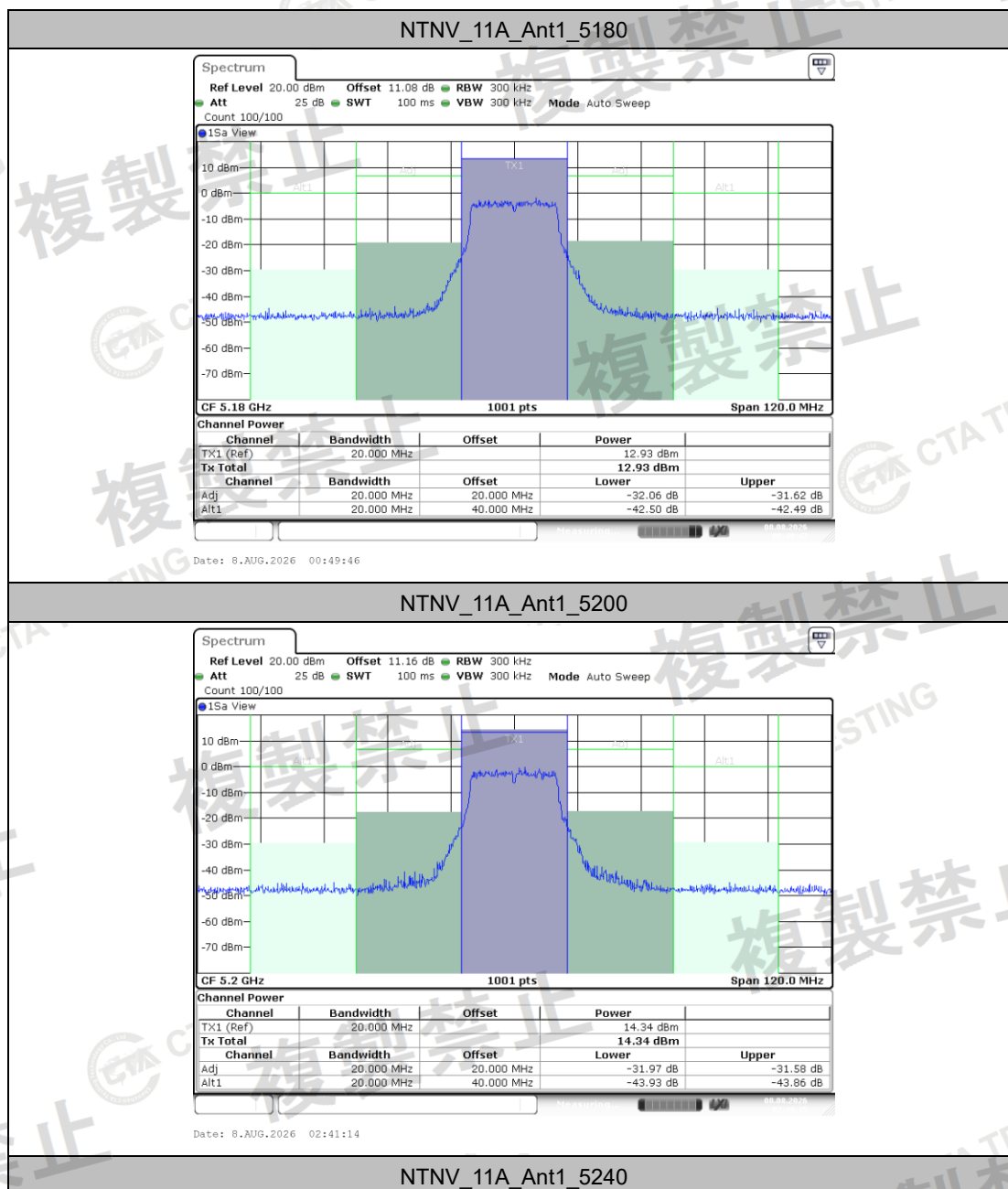
TestCondition	TestMode	Antenna	Freq(M Hz)	Offset [MHz]	Result [dBc]	Limit [dBc]	Verdict
NTNV	11A	Ant1	5180	-40	-42.50	≤-40	PASS
				-20	-32.06	≤-25	PASS
				+20	-31.62	≤-25	PASS
				+40	-42.49	≤-40	PASS
			5200	-40	-43.93	≤-40	PASS
				-20	-31.97	≤-25	PASS
				+20	-31.58	≤-25	PASS
				+40	-43.86	≤-40	PASS
			5240	-40	-44.07	≤-40	PASS
				-20	-32.09	≤-25	PASS
				+20	-31.89	≤-25	PASS
				+40	-44.18	≤-40	PASS
	11N20SI SO	Ant1	5180	-40	-43.82	≤-40	PASS
				-20	-29.57	≤-25	PASS
				+20	-29.24	≤-25	PASS
				+40	-43.68	≤-40	PASS
			5200	-40	-43.82	≤-40	PASS
				-20	-29.93	≤-25	PASS
				+20	-28.89	≤-25	PASS
				+40	-43.87	≤-40	PASS
			5240	-40	-44.28	≤-40	PASS
				-20	-29.99	≤-25	PASS
				+20	-29.65	≤-25	PASS
				+40	-44.36	≤-40	PASS
	11N40SI SO	Ant1	5190	-80	-43.13	≤-40	PASS
				-40	-34.90	≤-25	PASS
				+40	-34.57	≤-25	PASS
				+80	-43.06	≤-40	PASS
			5230	-80	-43.21	≤-40	PASS
				-40	-35.53	≤-25	PASS
				+40	-35.38	≤-25	PASS
				+80	-43.37	≤-40	PASS



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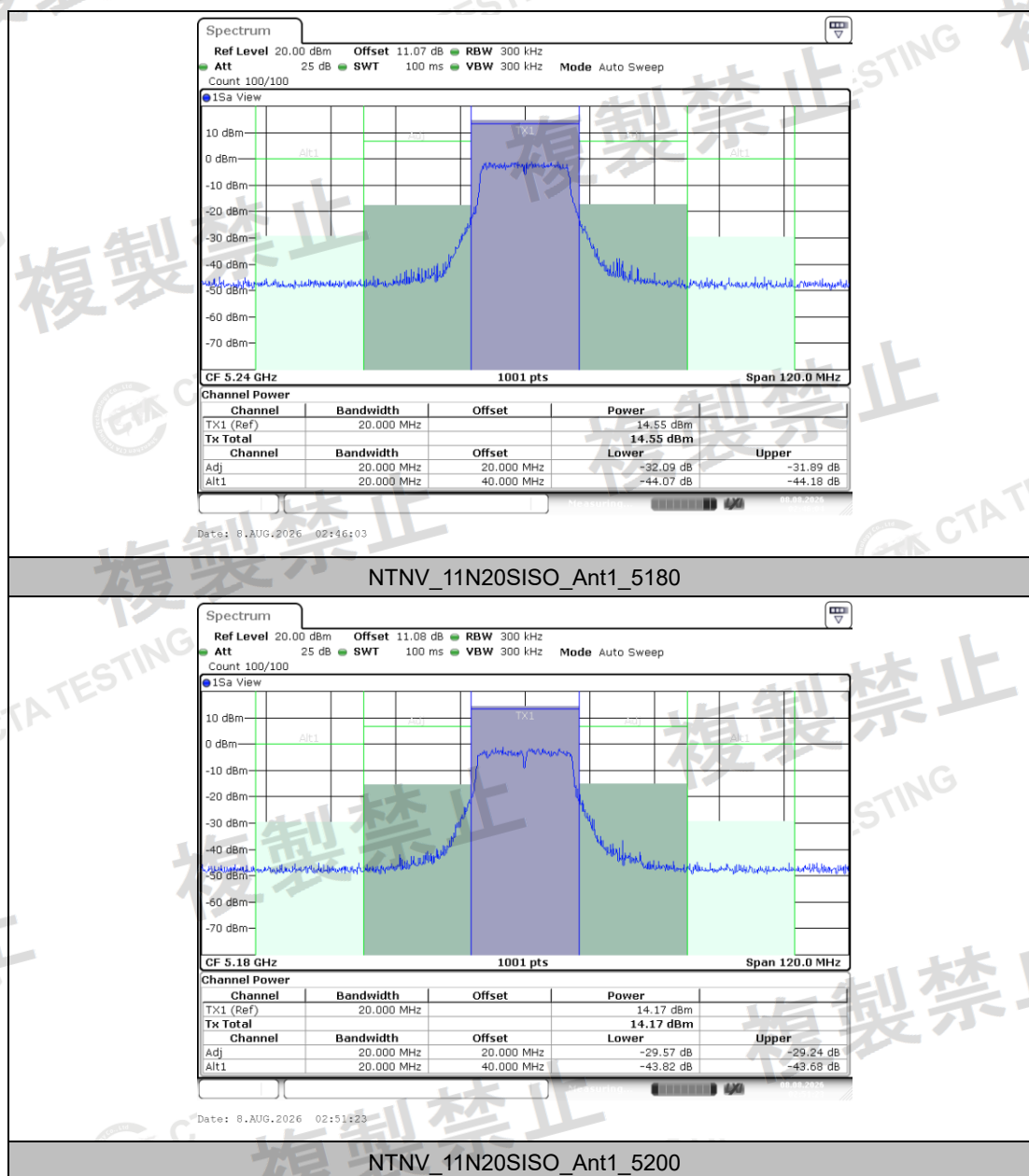
Test Graphs





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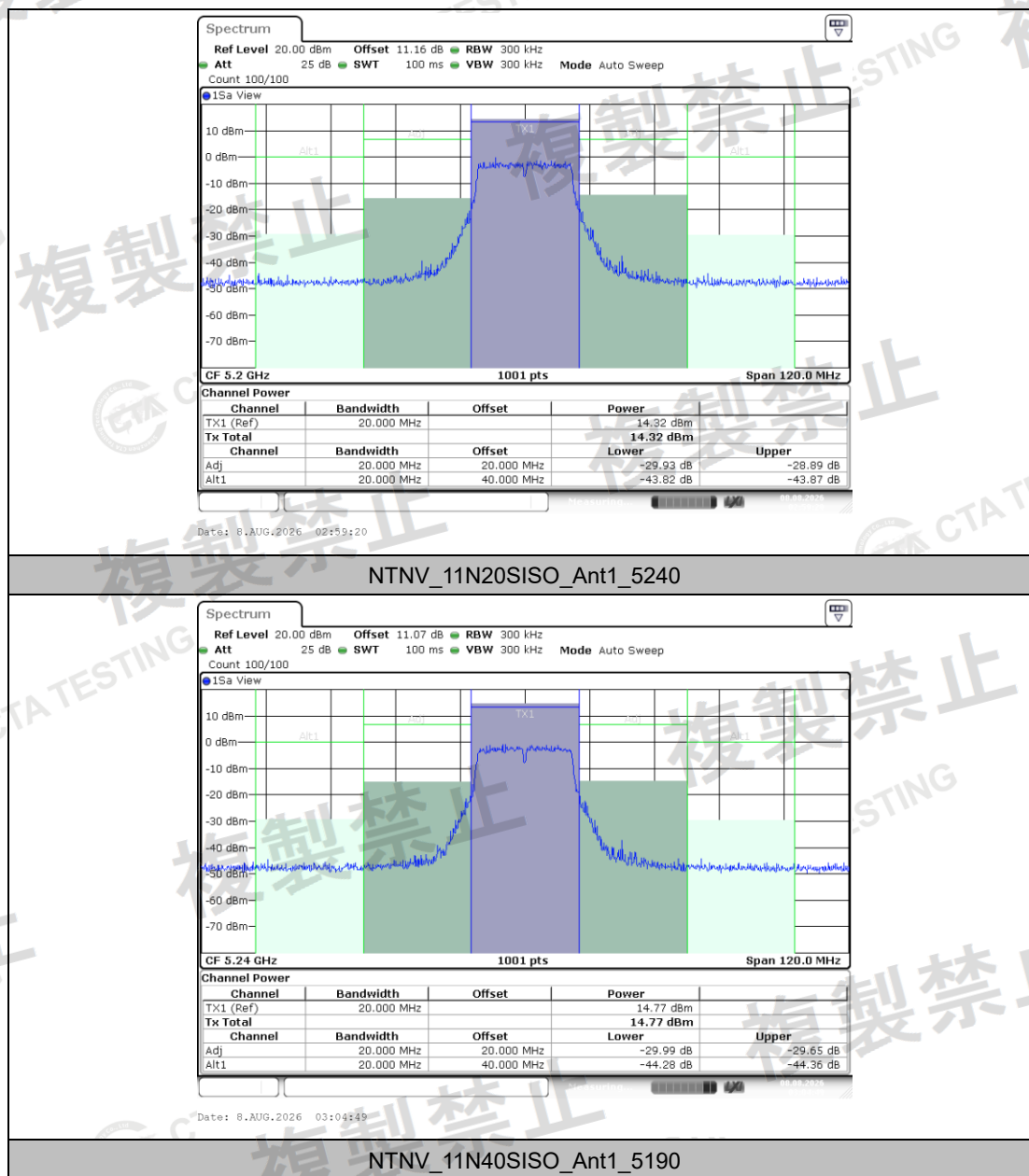
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