



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 : Zhengzhou Burn Krypton Electronic Technology Co.,Ltd.

EUT : ZESTEK SCX

Model Number : SCX HUB

Report No. : CTA26051101401

Reviewed By : Eric Wang



Shenzhen CTA Testing Technology Co., Ltd.

Room 106, Building 1, Yibaolai Industrial Park, Qiaotou Community,
Fuhai Street, Bao'an District, Shenzhen, China

Appendix A: Frequency Error

Test Result

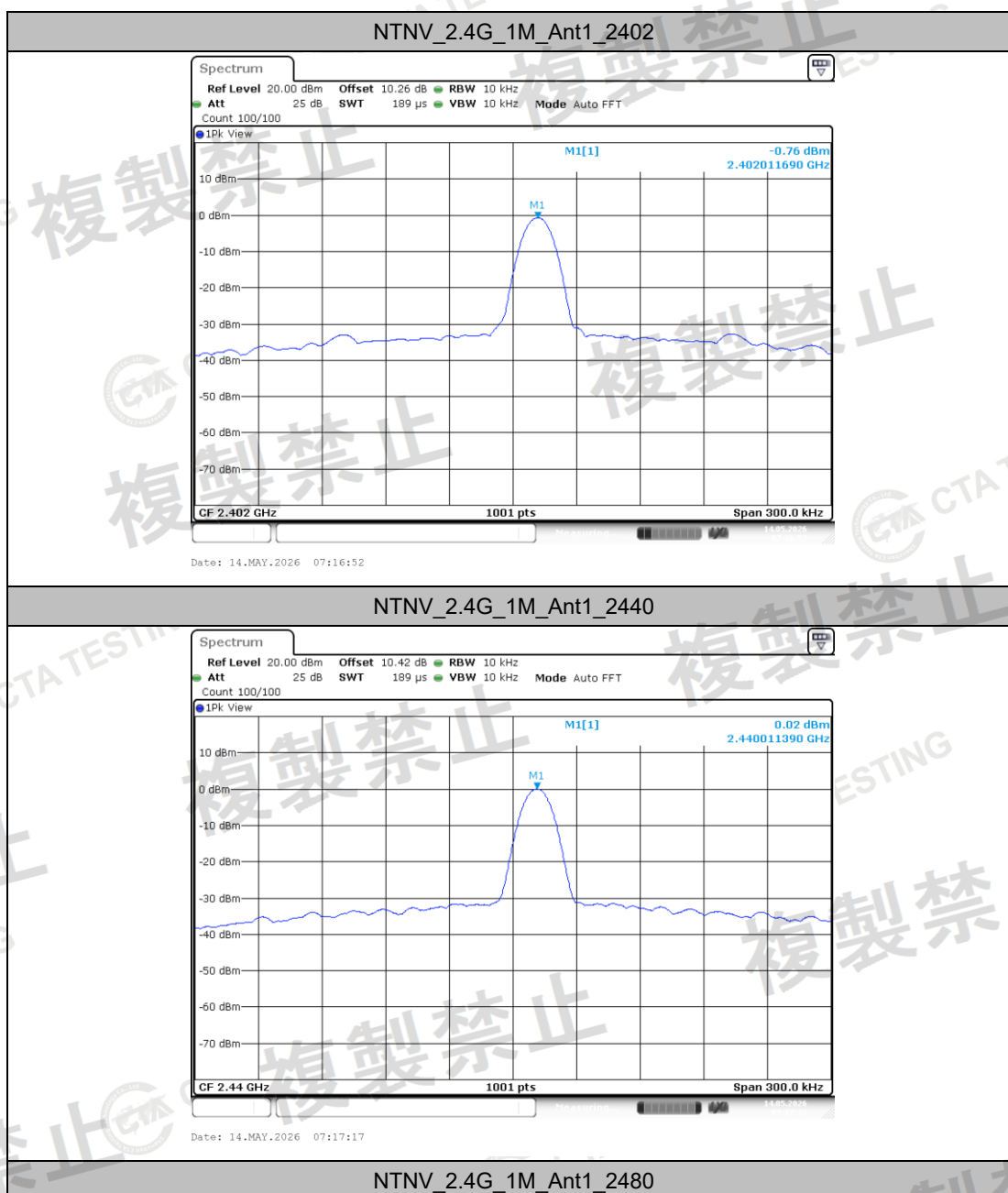
Test Condition	Test Mode	Antenna	Freq(MHz)	Result[ppm]	Limit[ppm]	Verdict
NTNV	2.4G_1M	Ant1	2402	4.86678	±50	PASS
			2440	4.66803	±50	PASS
			2480	4.47177	±50	PASS
	2.4G_2M	Ant1	2402	4.36719	±50	PASS
			2440	4.29918	±50	PASS
			2480	4.35081	±50	PASS



Shenzhen CTA Testing Technology Co., Ltd.

Room 106, Building 1, Yibaolai Industrial Park, Qiaotou Community,
Fuhai Street, Bao'an District, Shenzhen, China

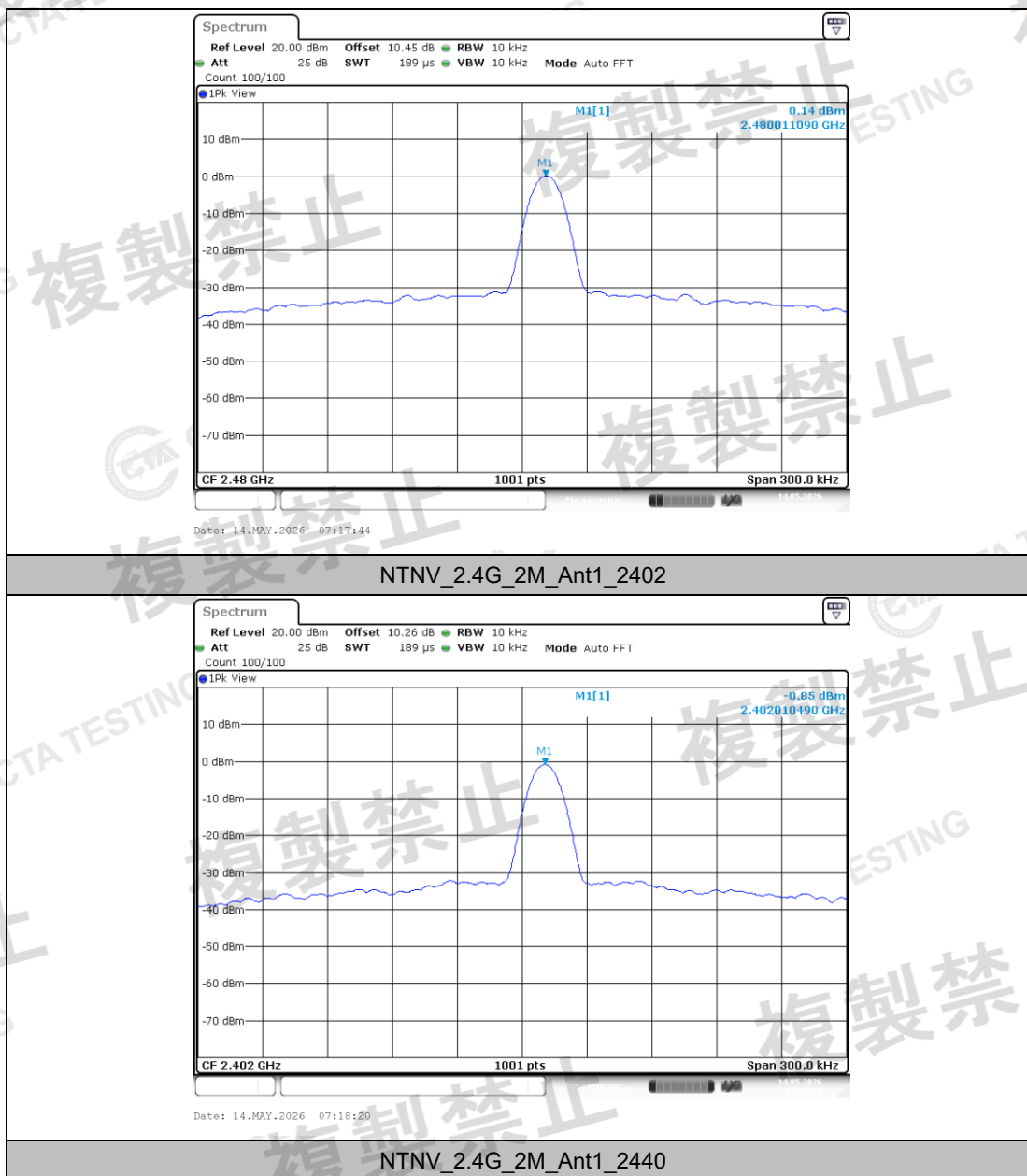
Test Graphs





Shenzhen CTA Testing Technology Co., Ltd.

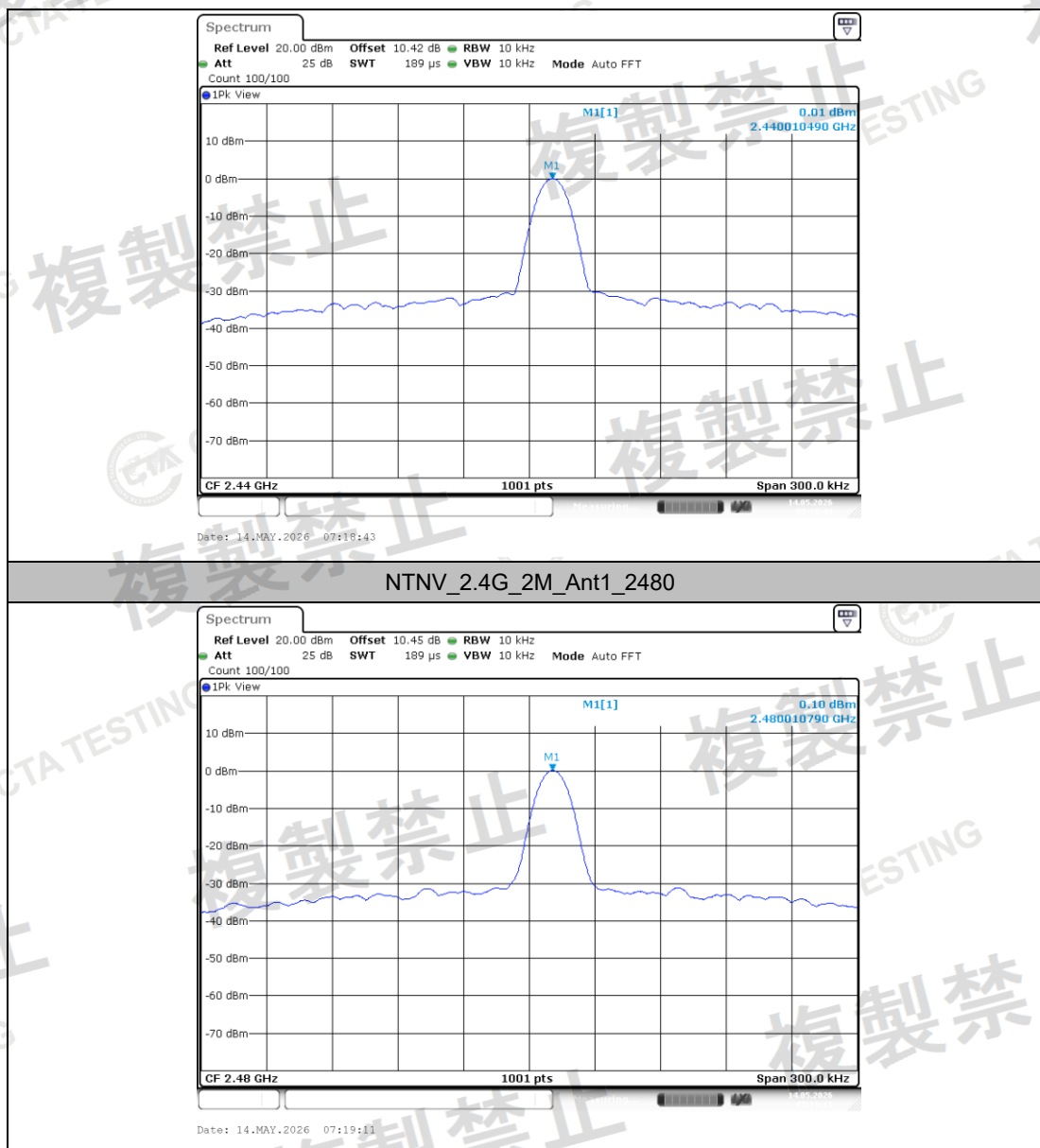
Room 106, Building 1, Yibaolai Industrial Park, Qiaotou Community,
Fuhai Street, Bao'an District, Shenzhen, China





Shenzhen CTA Testing Technology Co., Ltd.

Room 106, Building 1, Yibaolai Industrial Park, Qiaotou Community,
Fuhai Street, Bao'an District, Shenzhen, China





Shenzhen CTA Testing Technology Co., Ltd.

Room 106, Building 1, Yibaolai Industrial Park, Qiaotou Community,
Fuhai Street, Bao'an District, Shenzhen, China

Appendix B: Occupied Bandwidth

Test Result

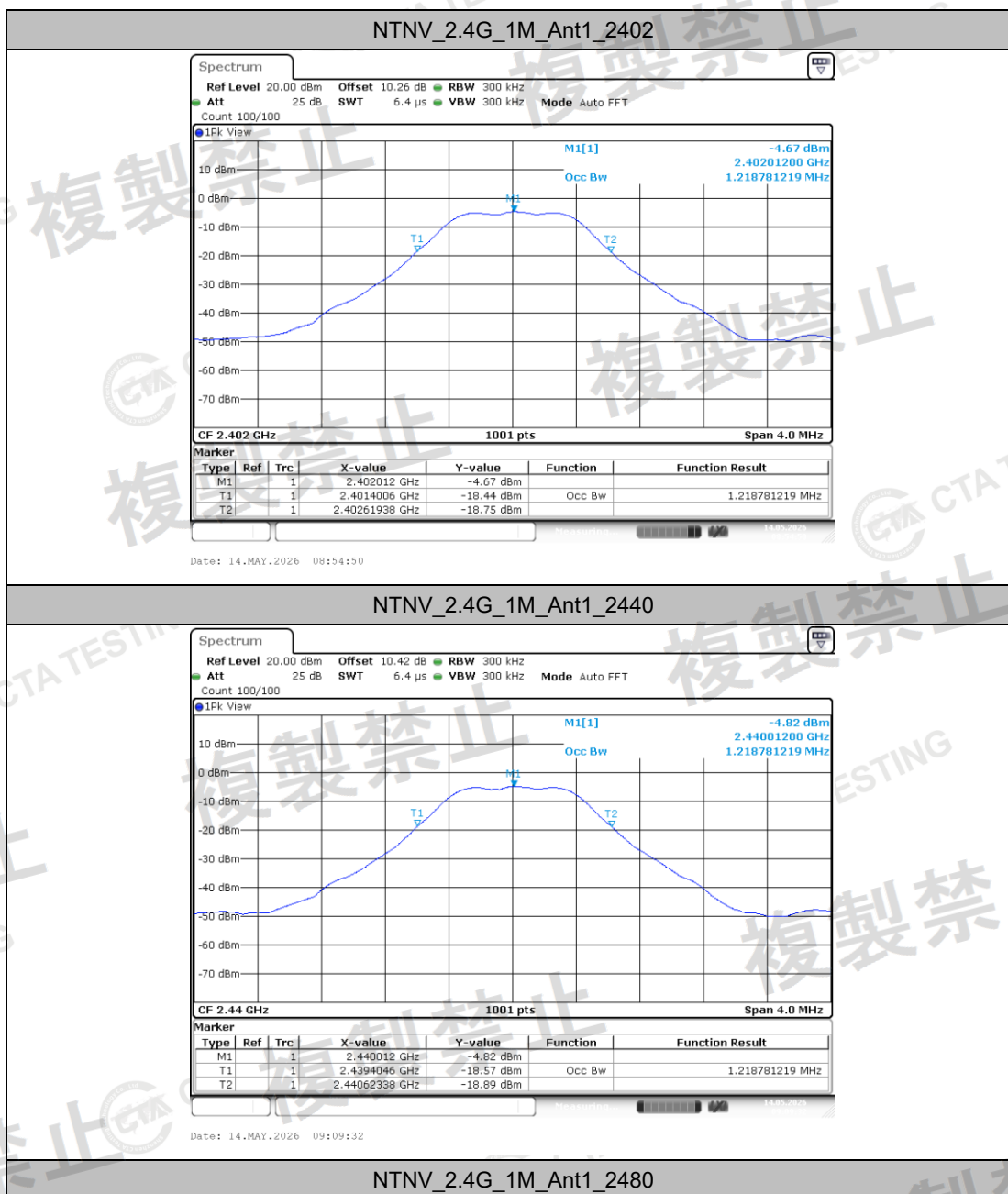
Test Condition	Test Mode	Antenna	Freq(MHz)	Result [MHz]	Limit [MHz]	Verdict
NTNV	2.4G_1M	Ant1	2402	1.219	≤26	PASS
			2440	1.219	≤26	PASS
			2480	1.223	≤26	PASS
	2.4G_2M	Ant1	2402	2.118	≤26	PASS
			2440	2.122	≤26	PASS
			2480	2.122	≤26	PASS



Shenzhen CTA Testing Technology Co., Ltd.

Room 106, Building 1, Yibaolai Industrial Park, Qiaotou Community,
Fuhai Street, Bao'an District, Shenzhen, China

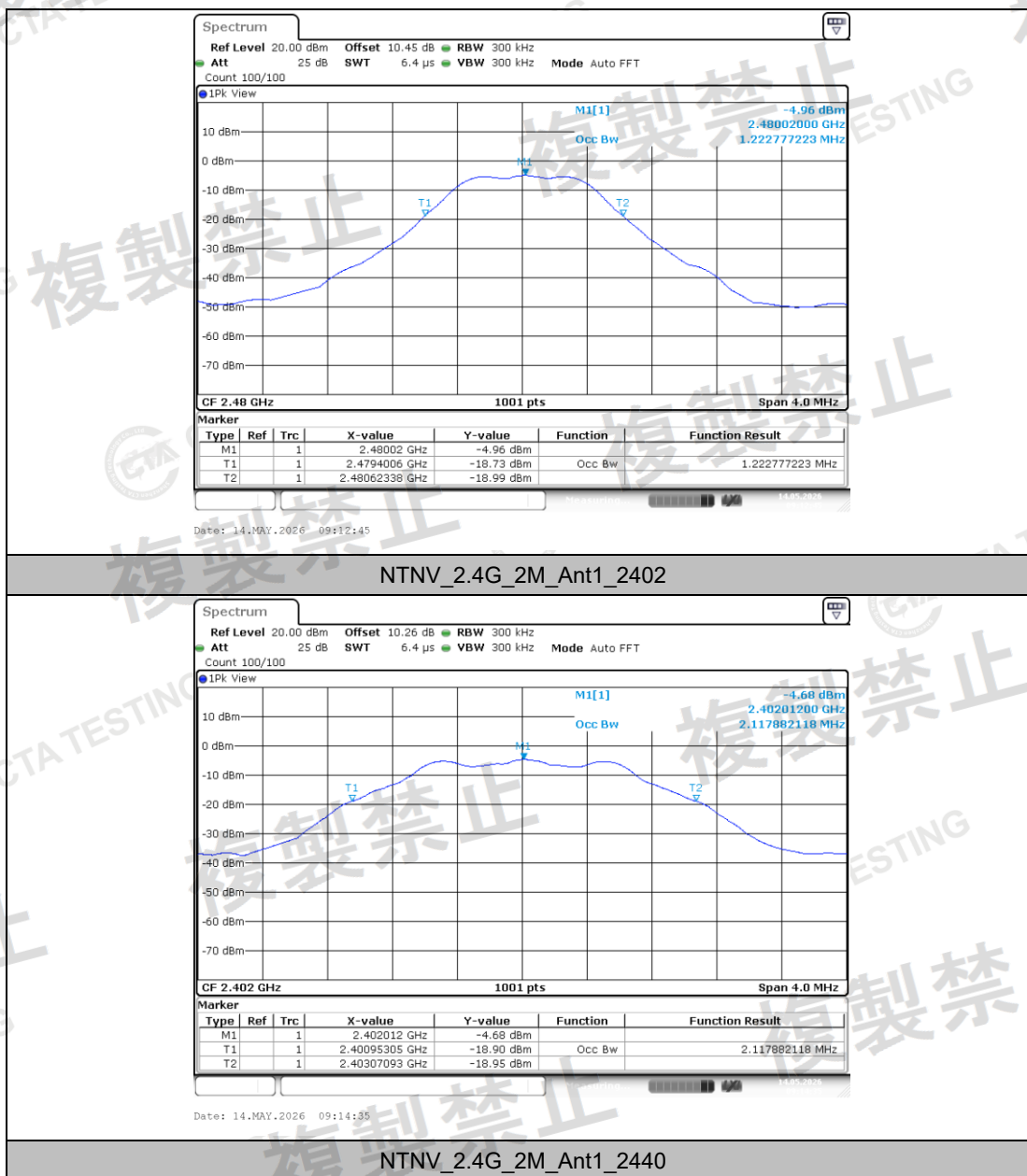
Test Graphs





Shenzhen CTA Testing Technology Co., Ltd.

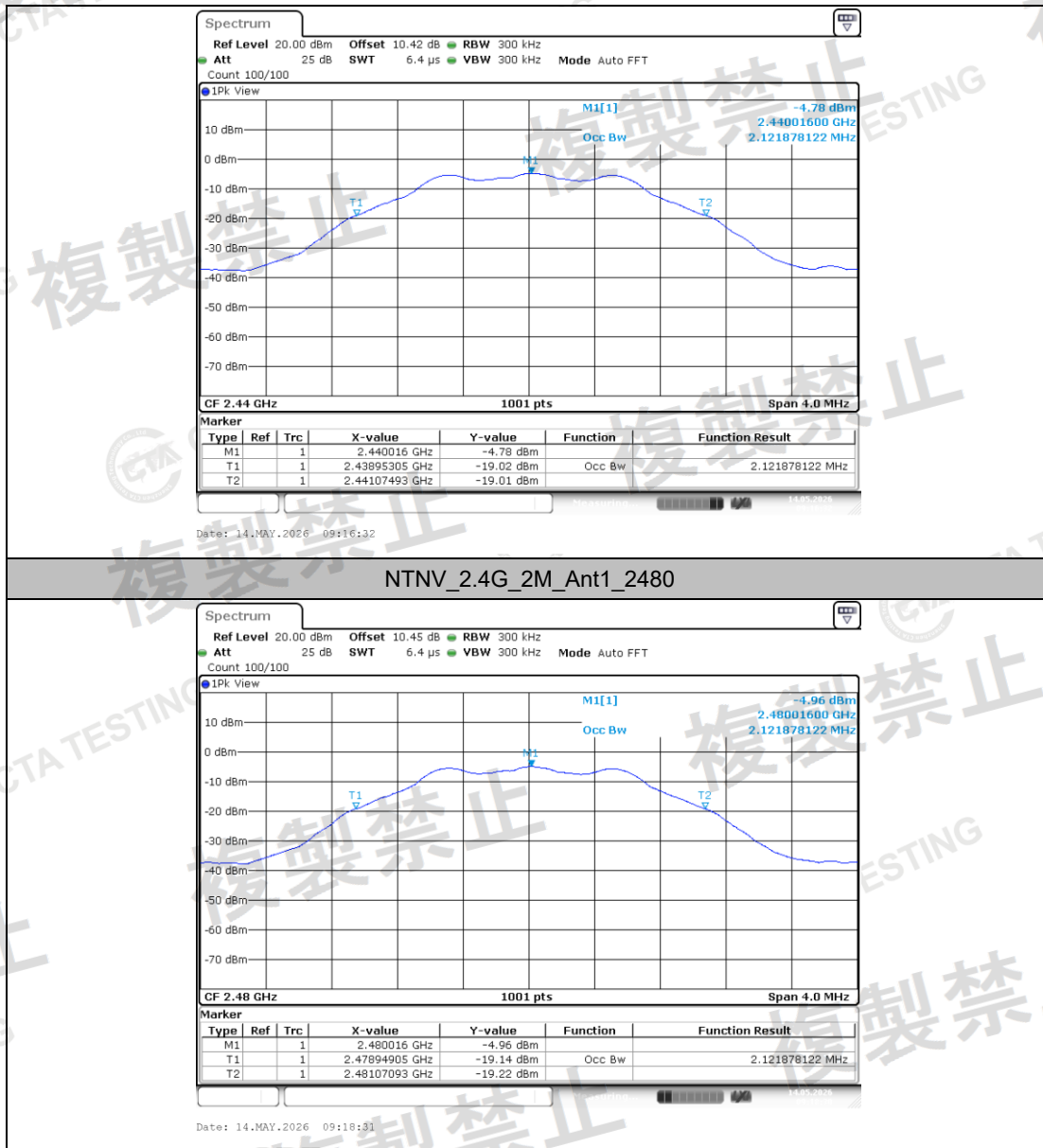
Room 106, Building 1, Yibaolai Industrial Park, Qiaotou Community,
Fuhai Street, Bao'an District, Shenzhen, China





Shenzhen CTA Testing Technology Co., Ltd.

Room 106, Building 1, Yibaolai Industrial Park, Qiaotou Community,
Fuhai Street, Bao'an District, Shenzhen, China





Shenzhen CTA Testing Technology Co., Ltd.

Room 106, Building 1, Yibaolai Industrial Park, Qiaotou Community,
Fuhai Street, Bao'an District, Shenzhen, China

Appendix C: Spread Bandwidth

Test Result

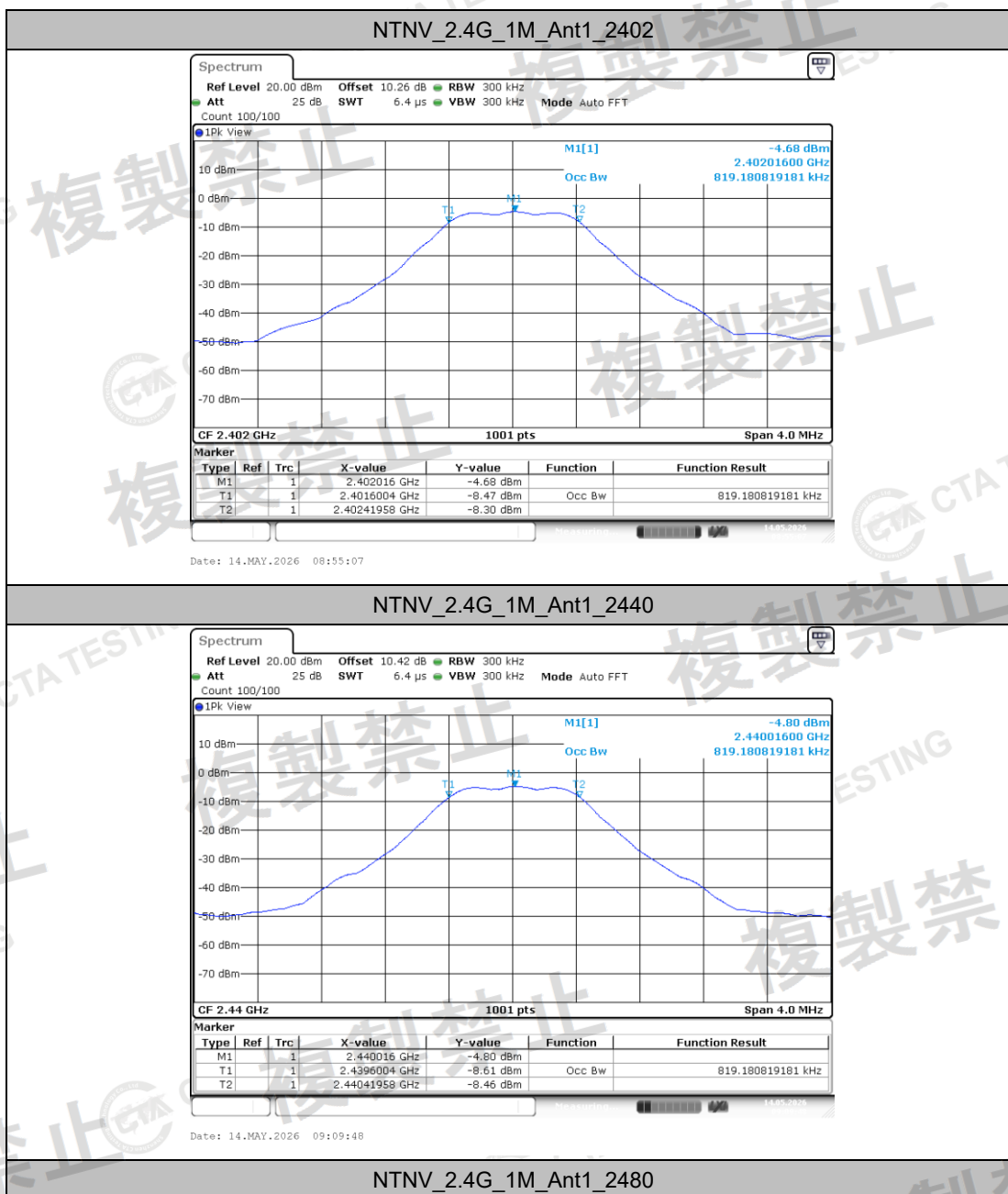
Test Condition	Test Mode	Antenna	Freq(MHz)	Result [MHz]	Limit [MHz]	Verdict
NTNV	2.4G_1M	Ant1	2402	0.819	≥0.5	PASS
			2440	0.819	≥0.5	PASS
			2480	0.819	≥0.5	PASS
	2.4G_2M	Ant1	2402	1.347	≥0.5	PASS
			2440	1.347	≥0.5	PASS
			2480	1.347	≥0.5	PASS



Shenzhen CTA Testing Technology Co., Ltd.

Room 106, Building 1, Yibaolai Industrial Park, Qiaotou Community,
Fuhai Street, Bao'an District, Shenzhen, China

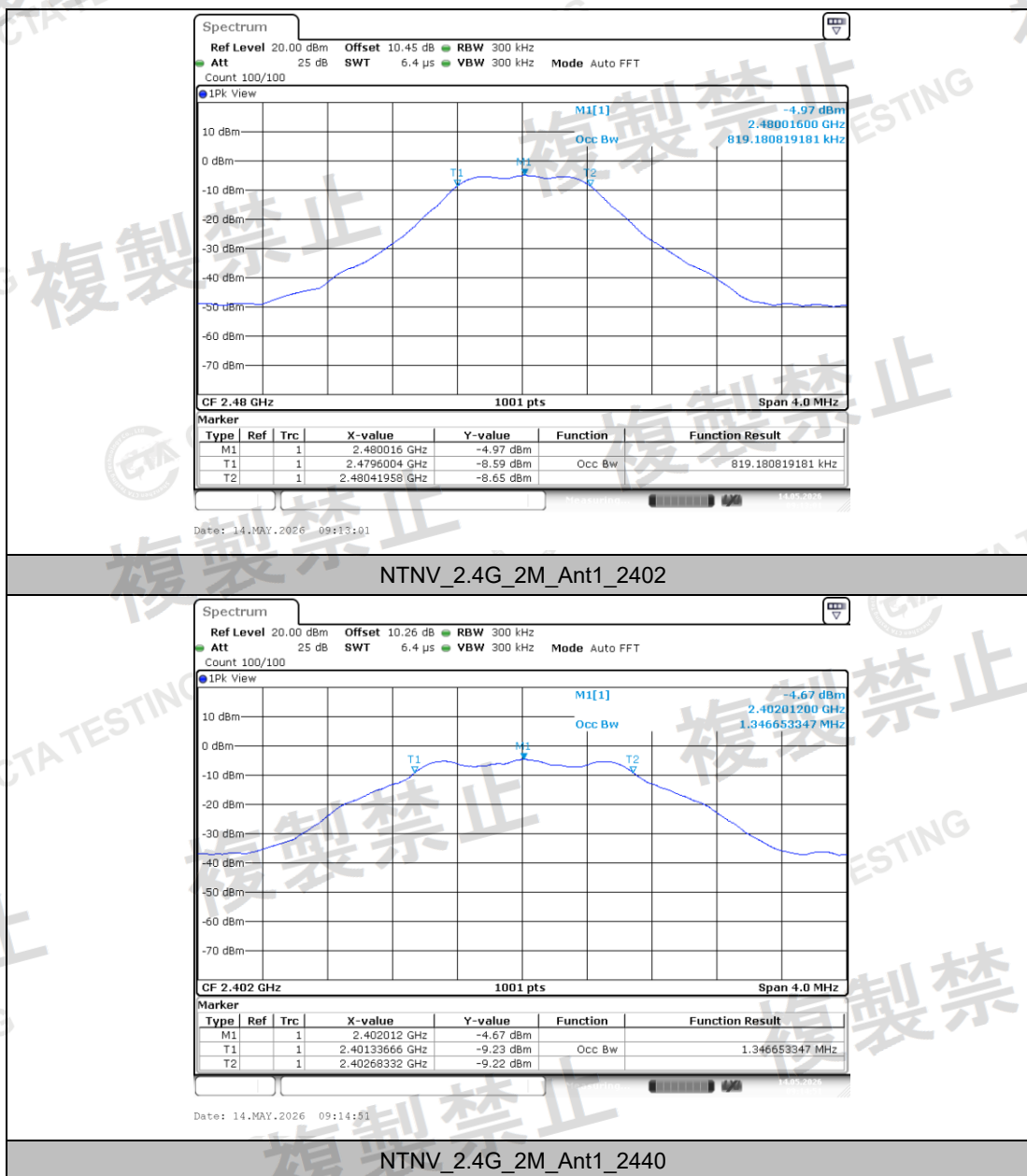
Test Graphs





Shenzhen CTA Testing Technology Co., Ltd.

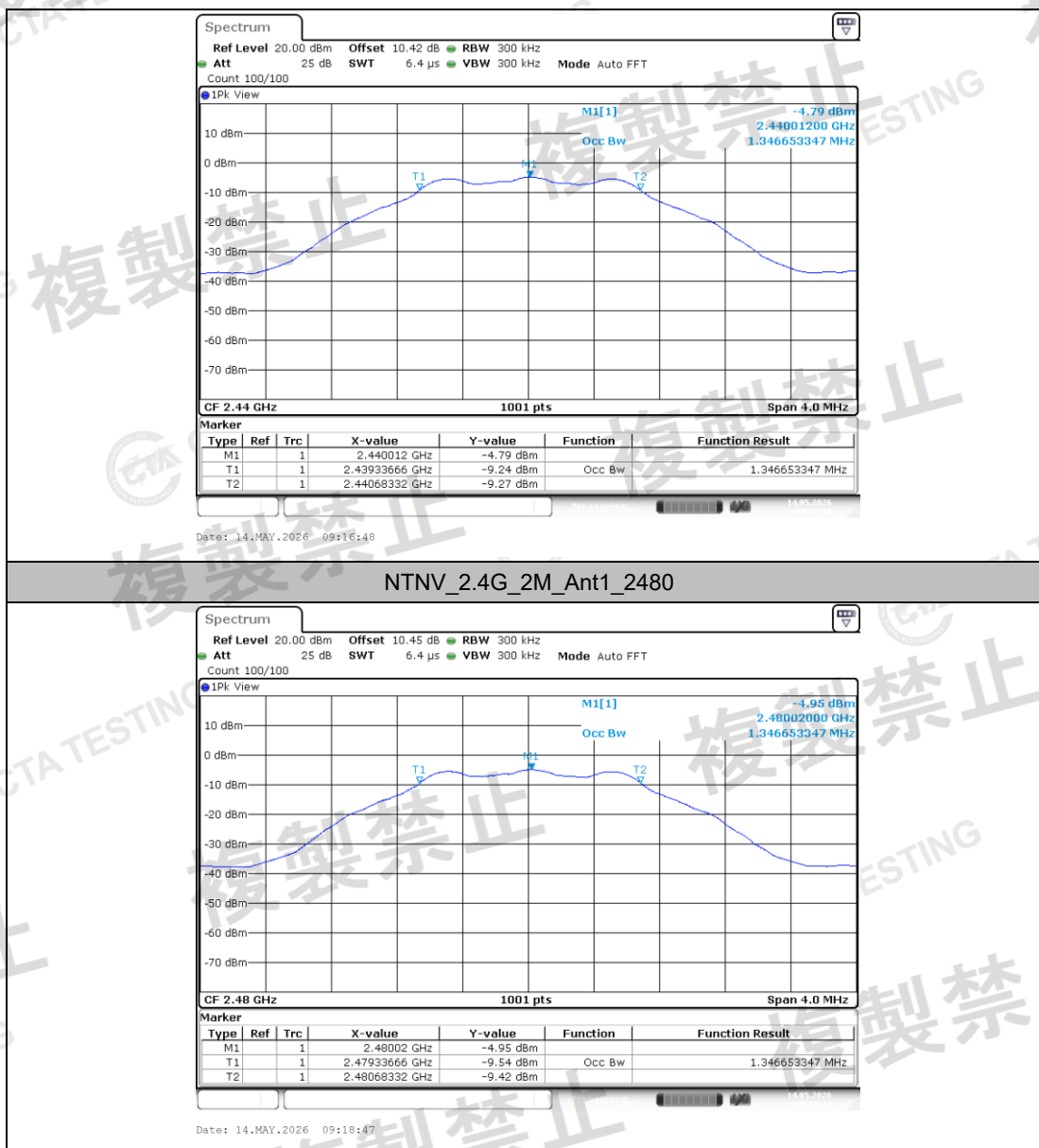
Room 106, Building 1, Yibaolai Industrial Park, Qiaotou Community,
Fuhai Street, Bao'an District, Shenzhen, China





Shenzhen CTA Testing Technology Co., Ltd.

Room 106, Building 1, Yibaolai Industrial Park, Qiaotou Community,
Fuhai Street, Bao'an District, Shenzhen, China





Shenzhen CTA Testing Technology Co., Ltd.

Room 106, Building 1, Yibaolai Industrial Park, Qiaotou Community,
Fuhai Street, Bao'an District, Shenzhen, China

Appendix D: Spurious Emission of TX

Test Result

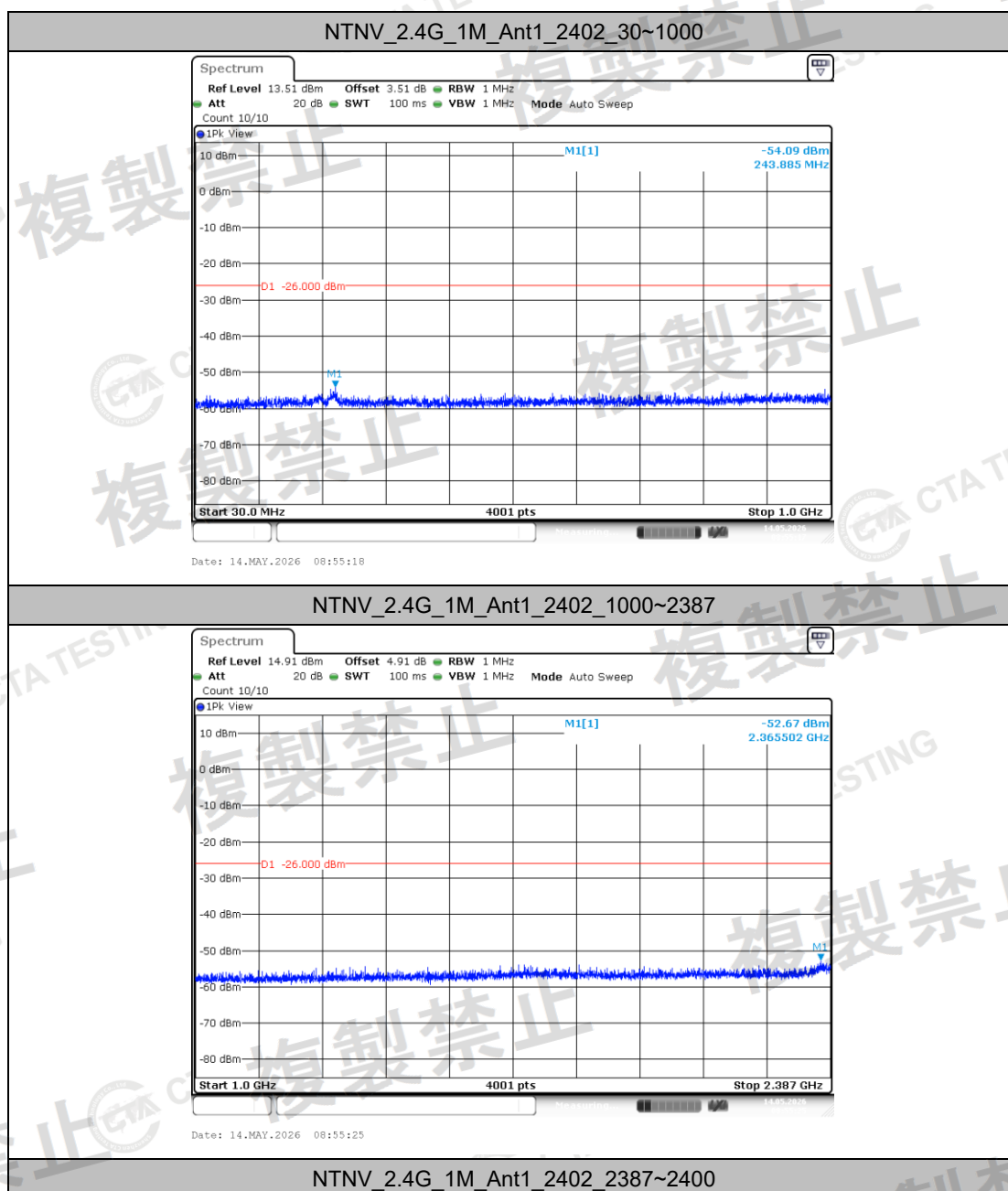
Test Condition	Test Mode	Antenna	Freq(M Hz)	Freq.Range [MHz]	Freq. [MHz]	Result [dBm]	Limit [dBm]	Result [μW]	Limit [μW]	Verdict
NTNV	2.4G_1M	Ant1	2402	30~1000	243.89	-54.09	≤-26	0.00390	≤2.5	PASS
				1000~2387	2365.50	-52.67	≤-26	0.00541	≤2.5	PASS
				2387~2400	2400.00	-34.68	≤-16	0.34041	≤25	PASS
				2483.5~2496.5	2494.58	-43.14	≤-16	0.04853	≤25	PASS
				2496.5~13000	4804.12	-40.54	≤-26	0.08831	≤2.5	PASS
			2440	30~1000	829.77	-54.74	≤-26	0.00336	≤2.5	PASS
				1000~2387	2330.83	-53.55	≤-26	0.00442	≤2.5	PASS
				2387~2400	2389.76	-43.55	≤-16	0.04416	≤25	PASS
				2483.5~2496.5	2492.03	-43.40	≤-16	0.04571	≤25	PASS
				2496.5~13000	4880.27	-39.78	≤-26	0.10520	≤2.5	PASS
			2480	30~1000	830.01	-54.45	≤-26	0.00359	≤2.5	PASS
				1000~2387	1723.67	-53.52	≤-26	0.00445	≤2.5	PASS
				2387~2400	2389.17	-44.03	≤-16	0.03954	≤25	PASS
				2483.5~2496.5	2484.40	-42.77	≤-16	0.05284	≤25	PASS
				2496.5~13000	4959.57	-39.46	≤-26	0.11324	≤2.5	PASS
	2.4G_2M	Ant1	2402	30~1000	603.27	-54.89	≤-26	0.00324	≤2.5	PASS
				1000~2387	2362.73	-52.28	≤-26	0.00592	≤2.5	PASS
				2387~2400	2400.00	-25.64	≤-16	2.72898	≤25	PASS
				2483.5~2496.5	2495.28	-43.30	≤-16	0.04677	≤25	PASS
				2496.5~13000	4805.17	-40.66	≤-26	0.08590	≤2.5	PASS
			2440	30~1000	243.64	-54.70	≤-26	0.00339	≤2.5	PASS
				1000~2387	2051.35	-53.49	≤-26	0.00448	≤2.5	PASS
				2387~2400	2389.77	-43.16	≤-16	0.04831	≤25	PASS
				2483.5~2496.5	2488.11	-43.72	≤-16	0.04246	≤25	PASS
				2496.5~13000	4880.79	-41.40	≤-26	0.07244	≤2.5	PASS
			2480	30~1000	870.26	-54.41	≤-26	0.00362	≤2.5	PASS
				1000~2387	1782.96	-54.22	≤-26	0.00378	≤2.5	PASS
				2387~2400	2392.84	-43.66	≤-16	0.04305	≤25	PASS
				2483.5~2496.5	2484.46	-42.28	≤-16	0.05916	≤25	PASS
				2496.5~13000	4961.15	-40.13	≤-26	0.09705	≤2.5	PASS



Shenzhen CTA Testing Technology Co., Ltd.

Room 106, Building 1, Yibaolai Industrial Park, Qiaotou Community,
Fuhai Street, Bao'an District, Shenzhen, China

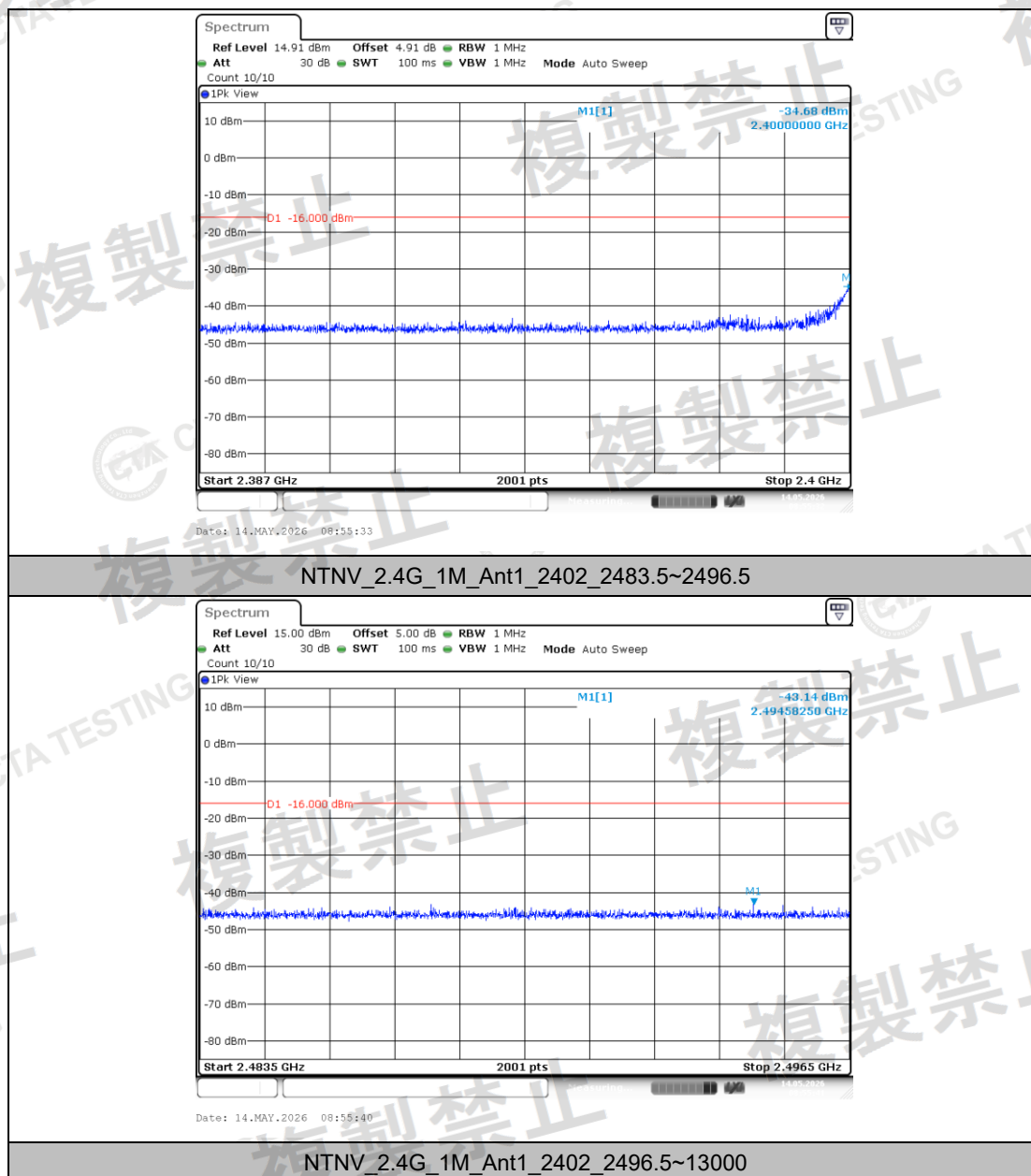
Test Graphs





Shenzhen CTA Testing Technology Co., Ltd.

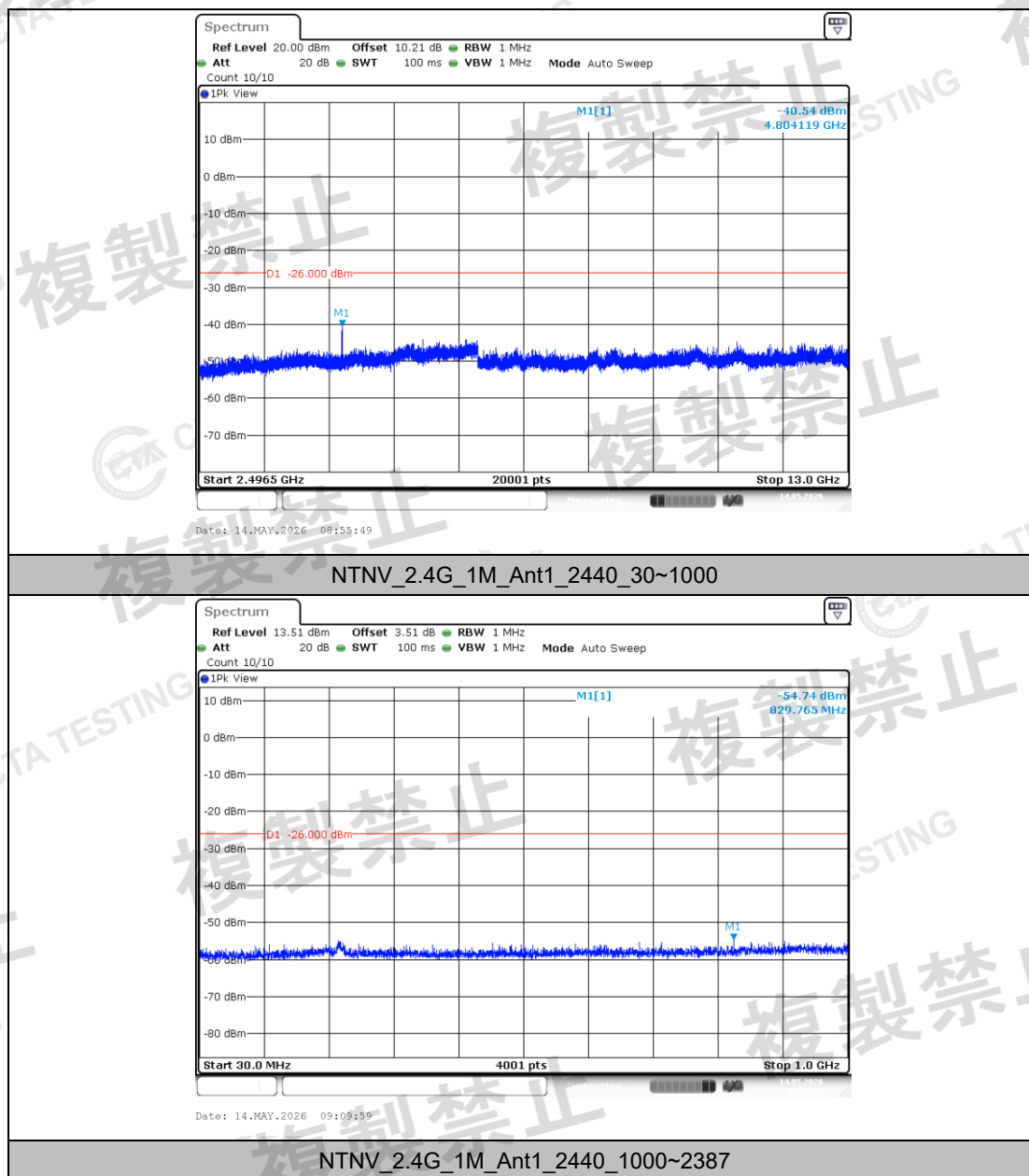
Room 106, Building 1, Yibaolai Industrial Park, Qiaotou Community,
Fuhai Street, Bao'an District, Shenzhen, China





Shenzhen CTA Testing Technology Co., Ltd.

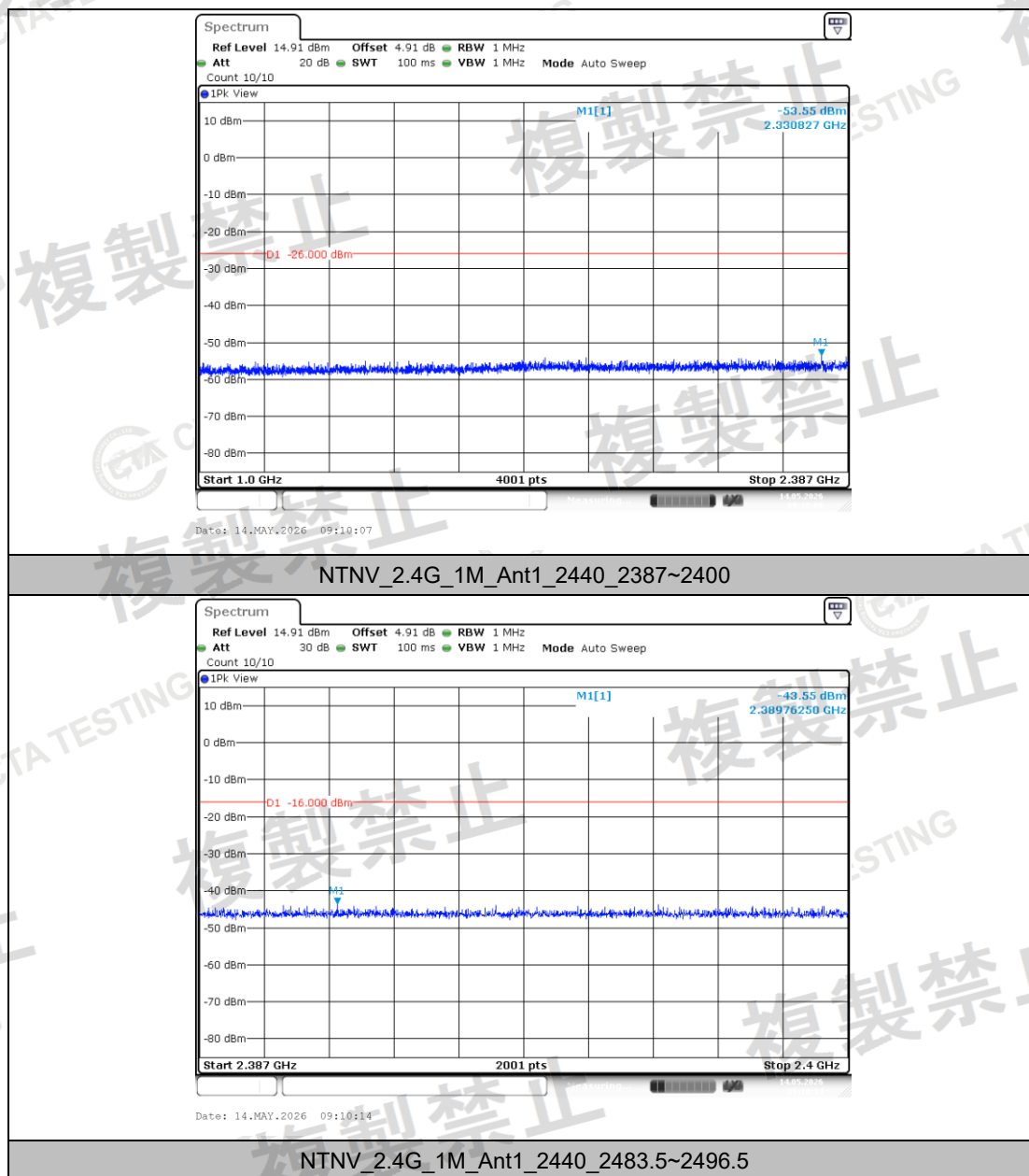
Room 106, Building 1, Yibaolai Industrial Park, Qiaotou Community,
Fuhai Street, Bao'an District, Shenzhen, China





Shenzhen CTA Testing Technology Co., Ltd.

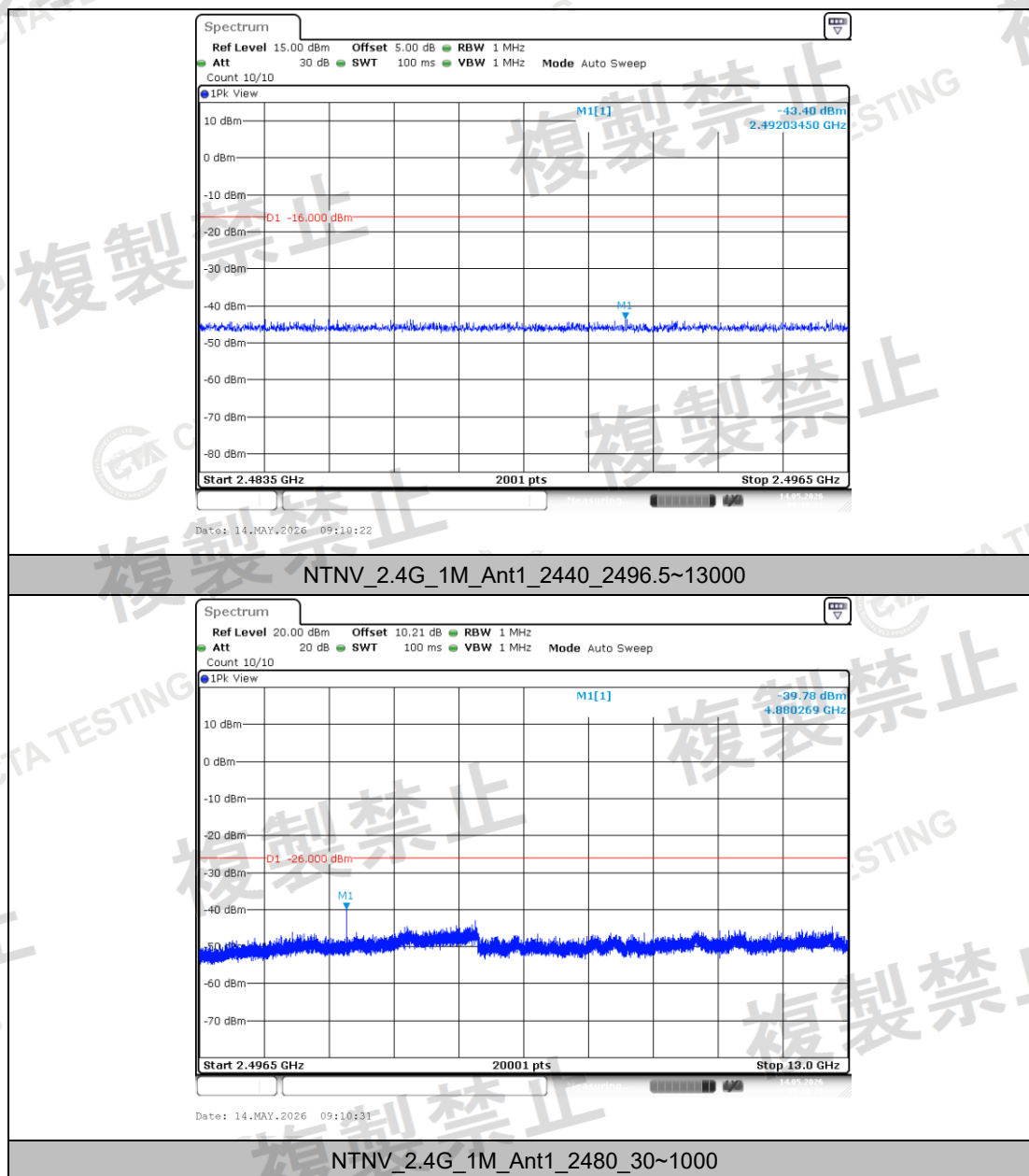
Room 106, Building 1, Yibaolai Industrial Park, Qiaotou Community,
Fuhai Street, Bao'an District, Shenzhen, China





Shenzhen CTA Testing Technology Co., Ltd.

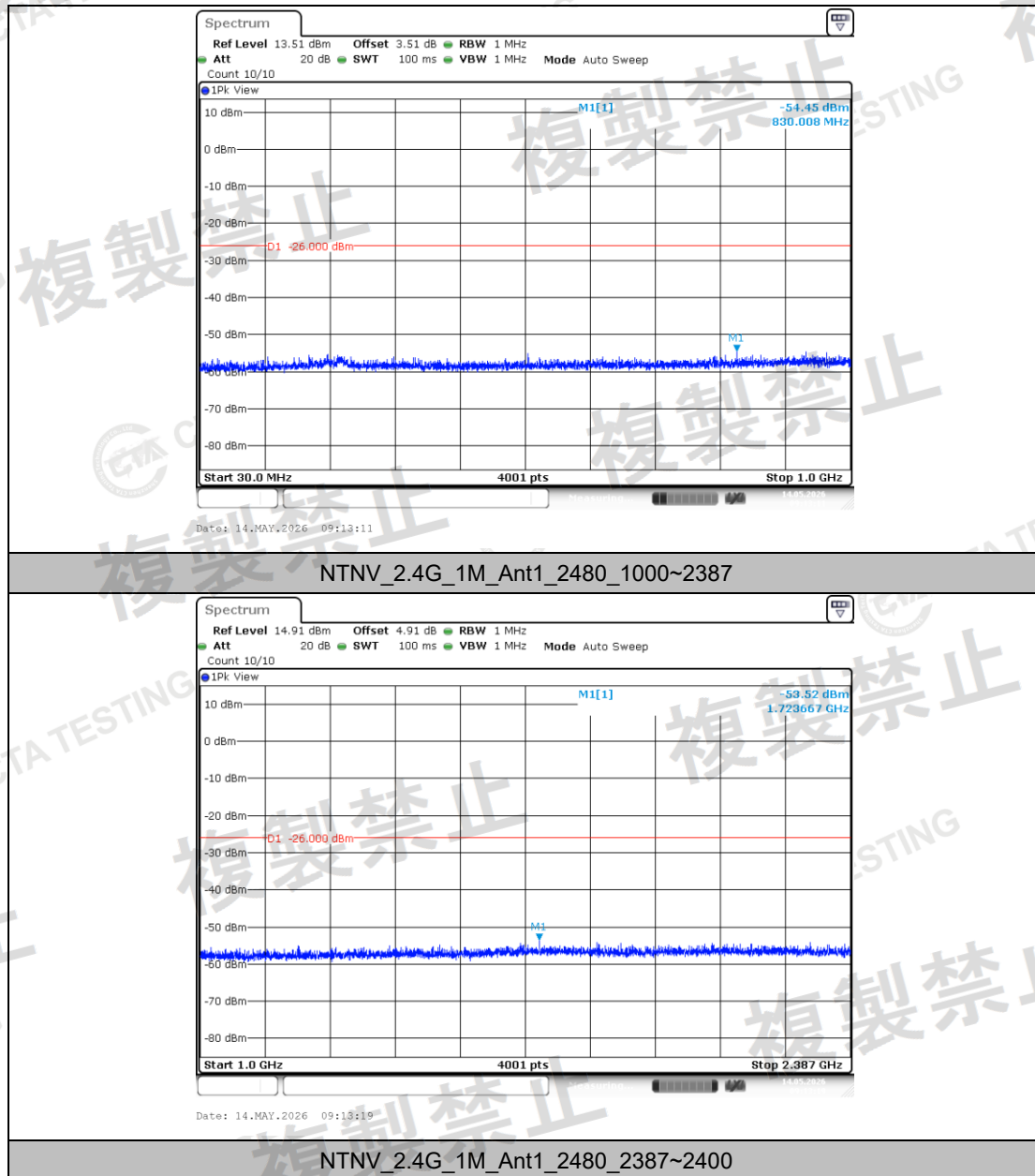
Room 106, Building 1, Yibaolai Industrial Park, Qiaotou Community,
Fuhai Street, Bao'an District, Shenzhen, China





Shenzhen CTA Testing Technology Co., Ltd.

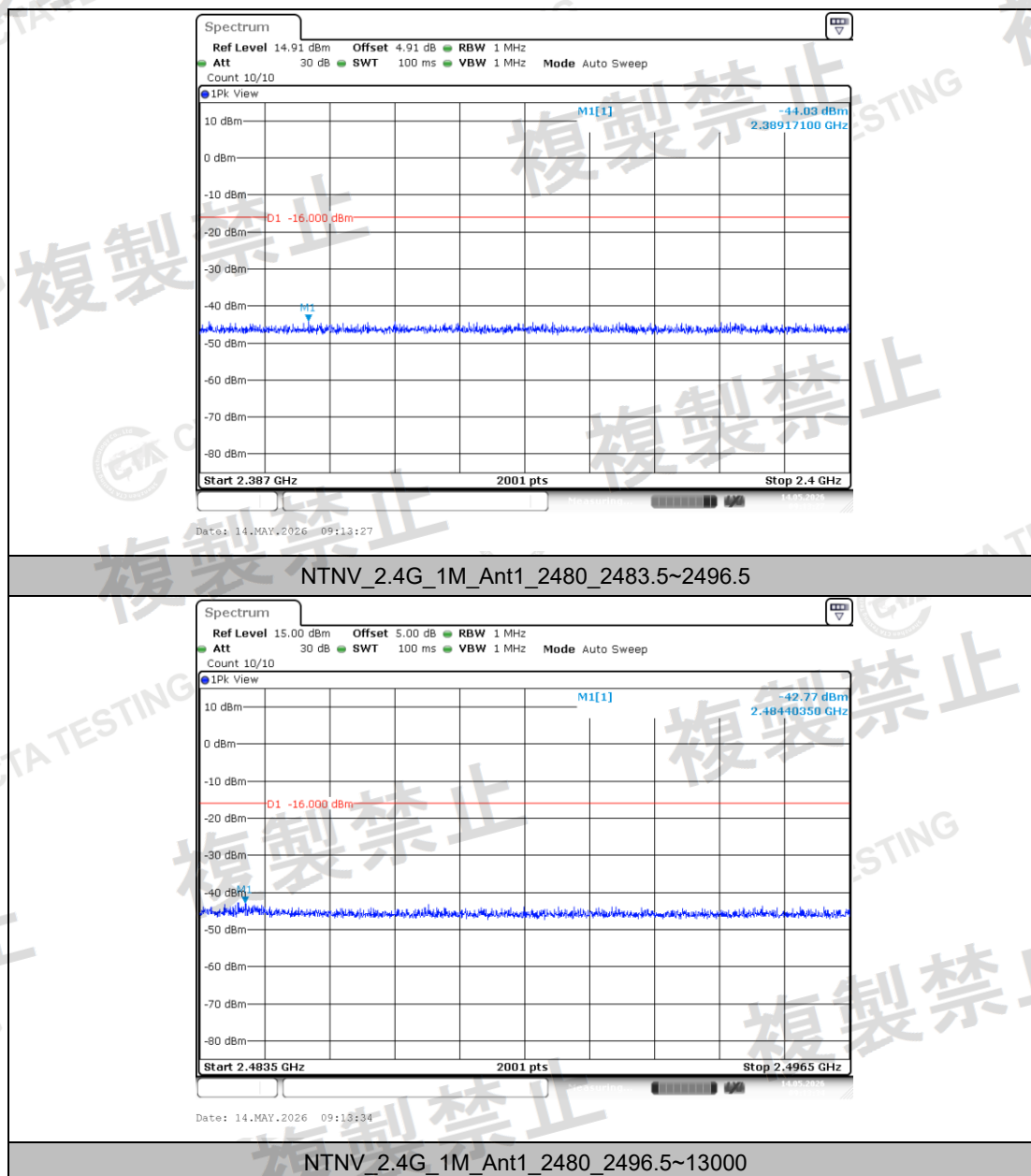
Room 106, Building 1, Yibaolai Industrial Park, Qiaotou Community,
Fuhai Street, Bao'an District, Shenzhen, China





Shenzhen CTA Testing Technology Co., Ltd.

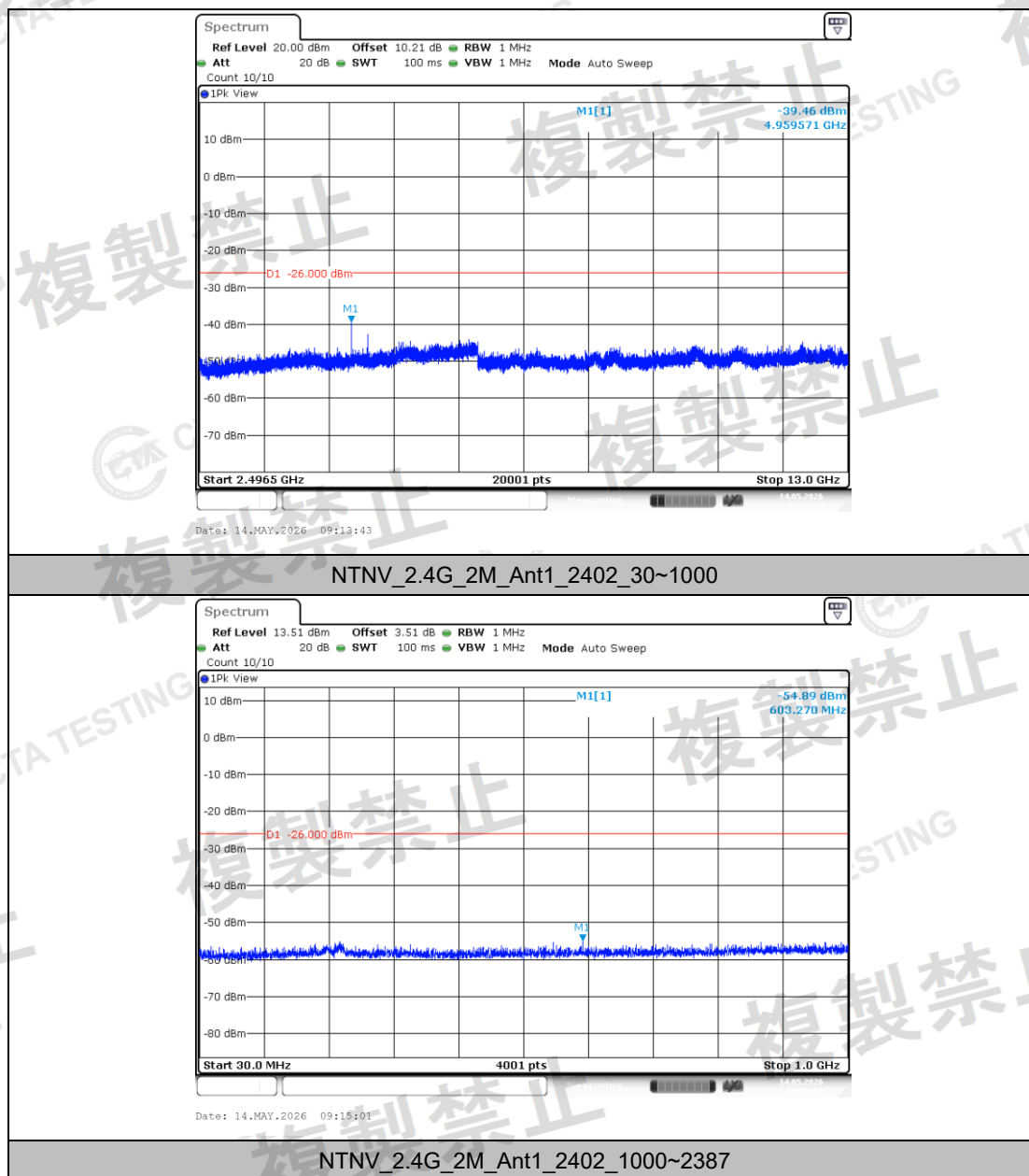
Room 106, Building 1, Yibaolai Industrial Park, Qiaotou Community,
Fuhai Street, Bao'an District, Shenzhen, China





Shenzhen CTA Testing Technology Co., Ltd.

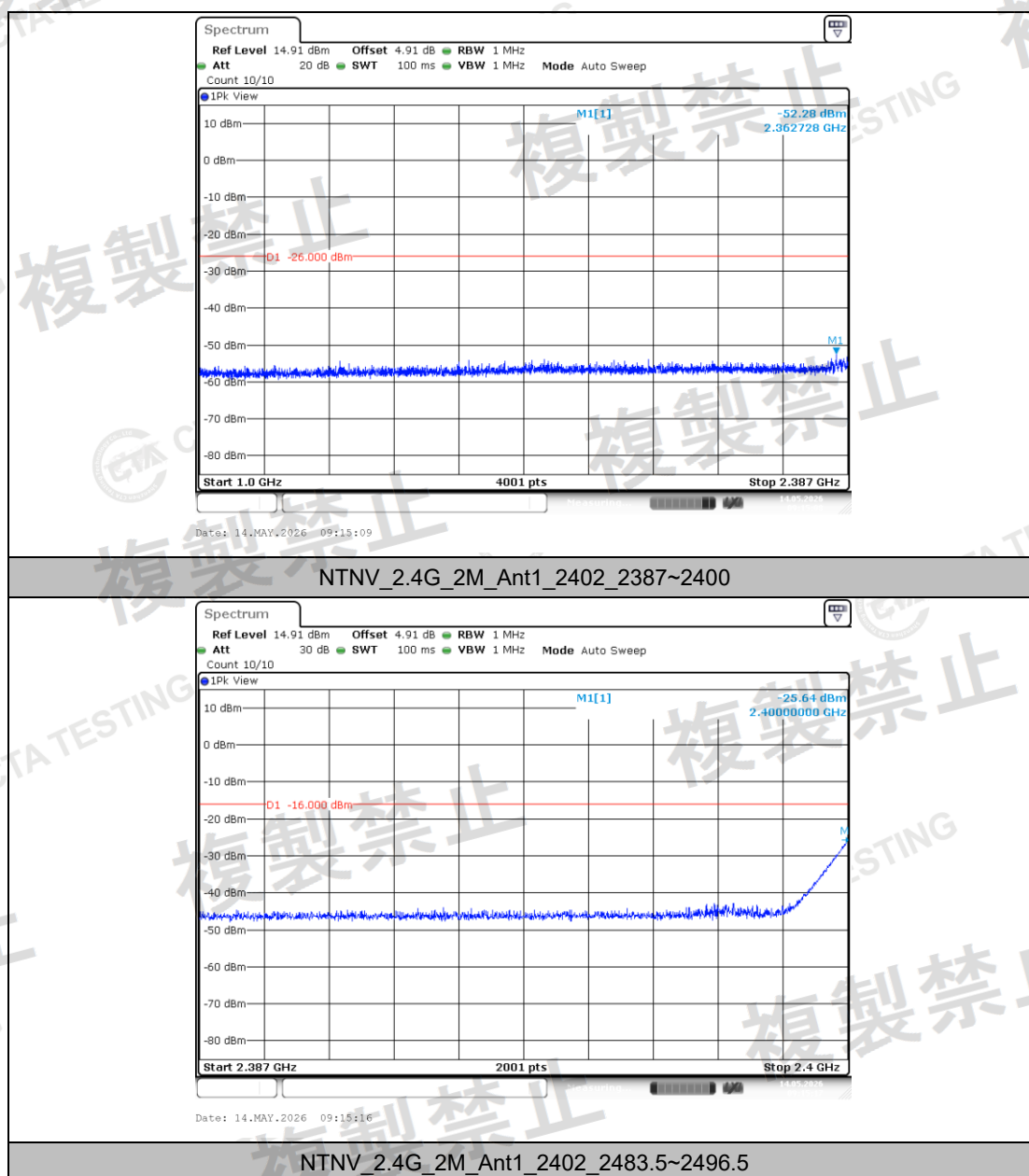
Room 106, Building 1, Yibaolai Industrial Park, Qiaotou Community,
Fuhai Street, Bao'an District, Shenzhen, China





Shenzhen CTA Testing Technology Co., Ltd.

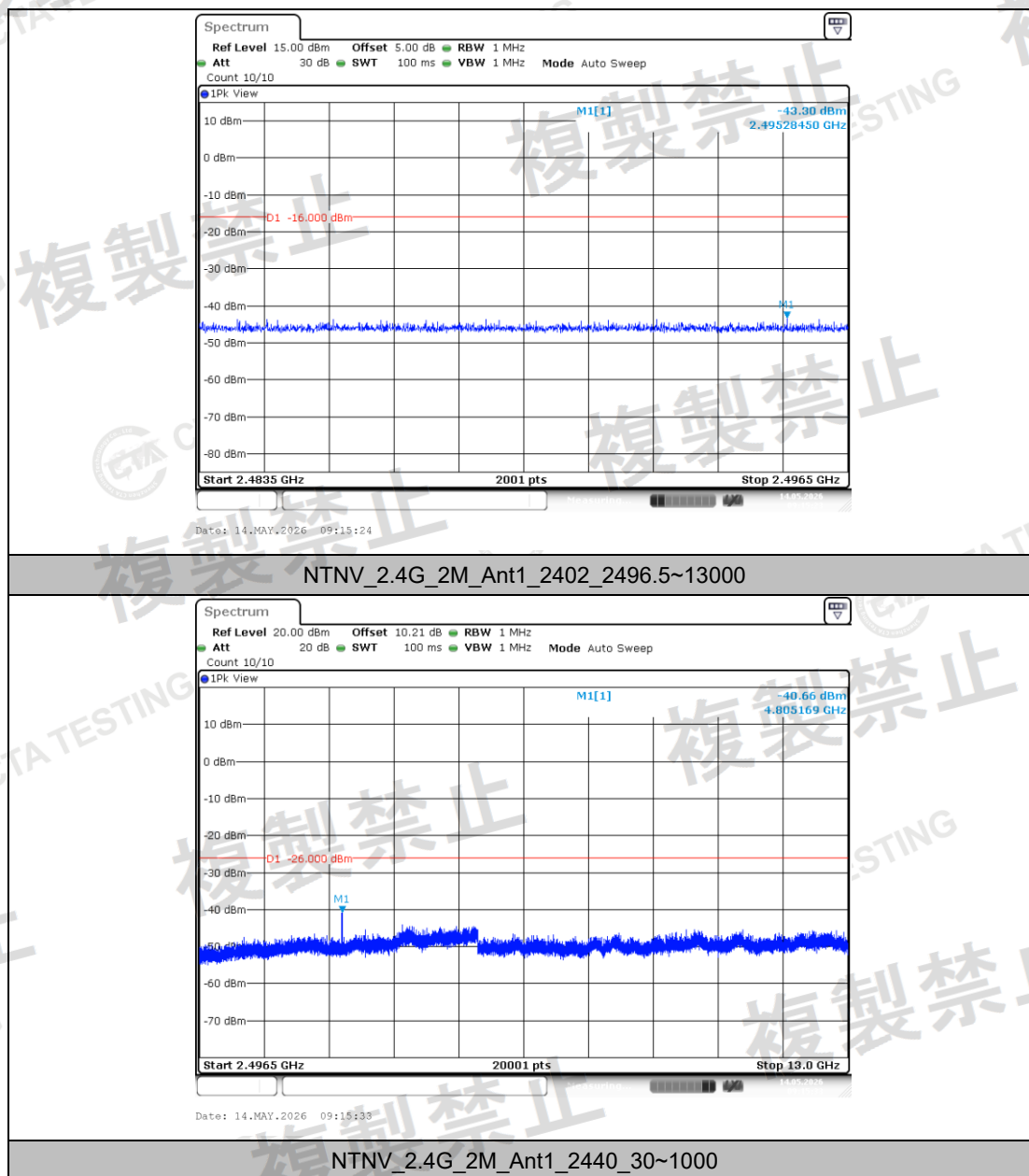
Room 106, Building 1, Yibaolai Industrial Park, Qiaotou Community,
Fuhai Street, Bao'an District, Shenzhen, China





Shenzhen CTA Testing Technology Co., Ltd.

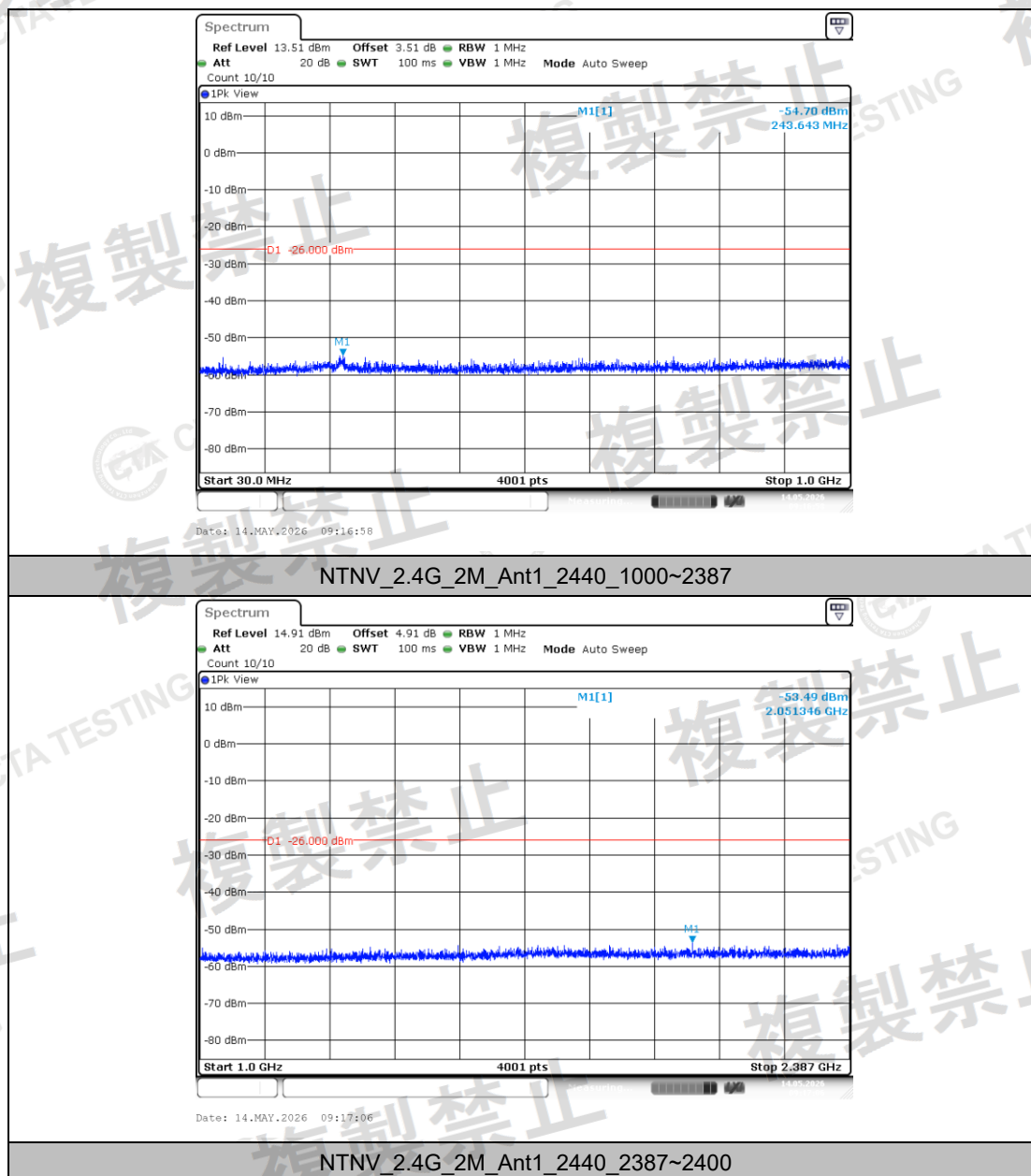
Room 106, Building 1, Yibaolai Industrial Park, Qiaotou Community,
Fuhai Street, Bao'an District, Shenzhen, China





Shenzhen CTA Testing Technology Co., Ltd.

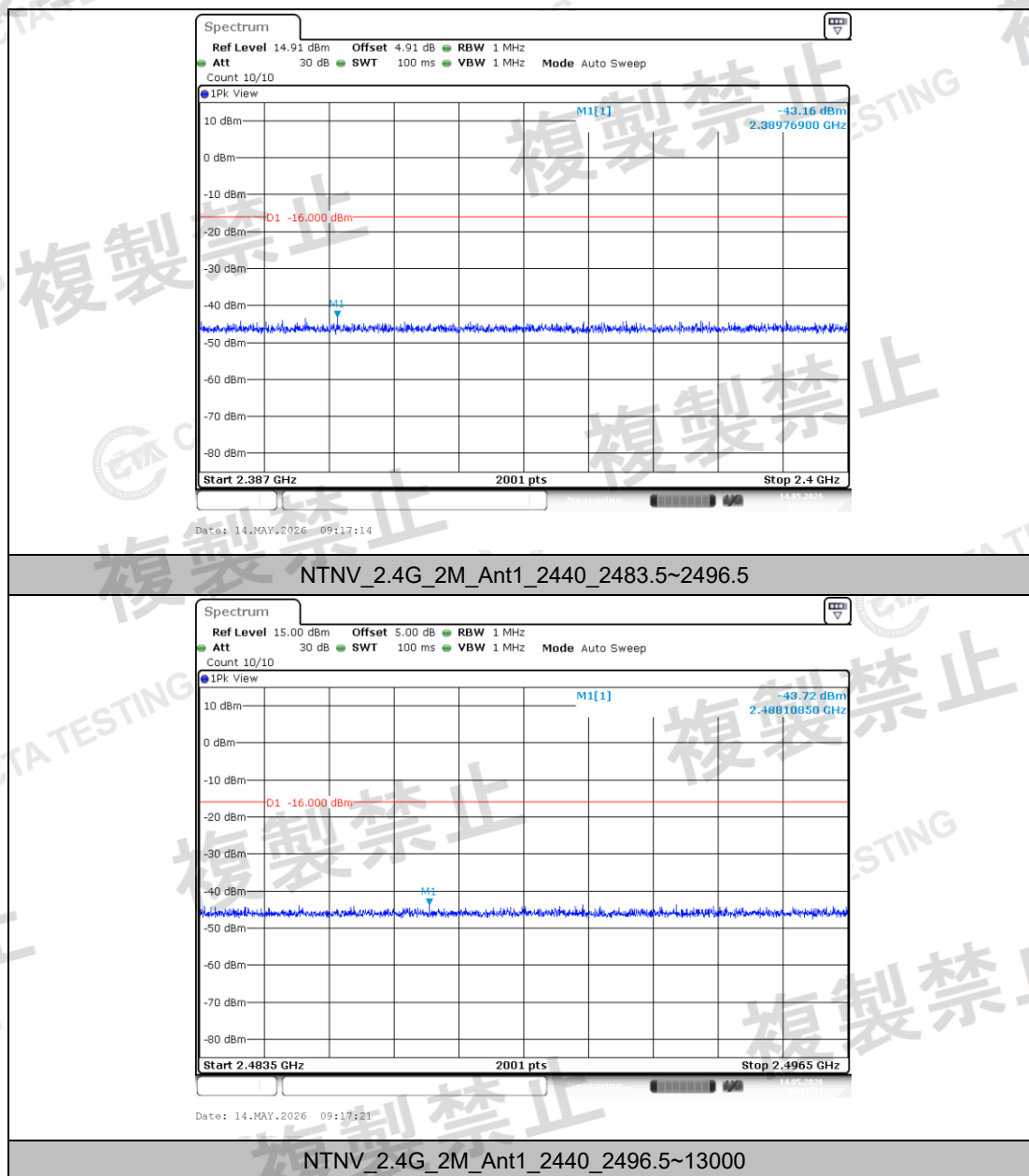
Room 106, Building 1, Yibaolai Industrial Park, Qiaotou Community,
Fuhai Street, Bao'an District, Shenzhen, China





Shenzhen CTA Testing Technology Co., Ltd.

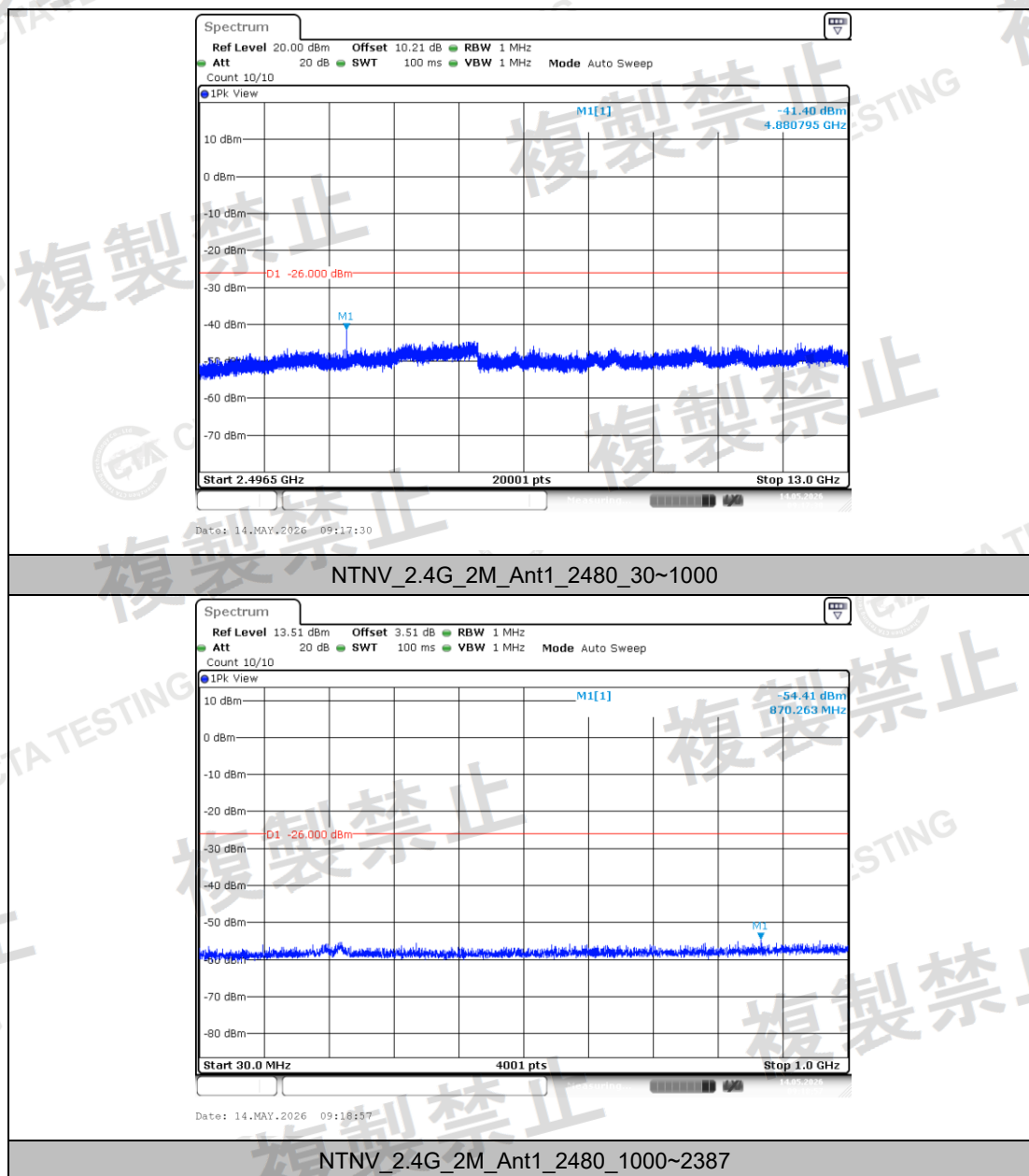
Room 106, Building 1, Yibaolai Industrial Park, Qiaotou Community,
Fuhai Street, Bao'an District, Shenzhen, China





Shenzhen CTA Testing Technology Co., Ltd.

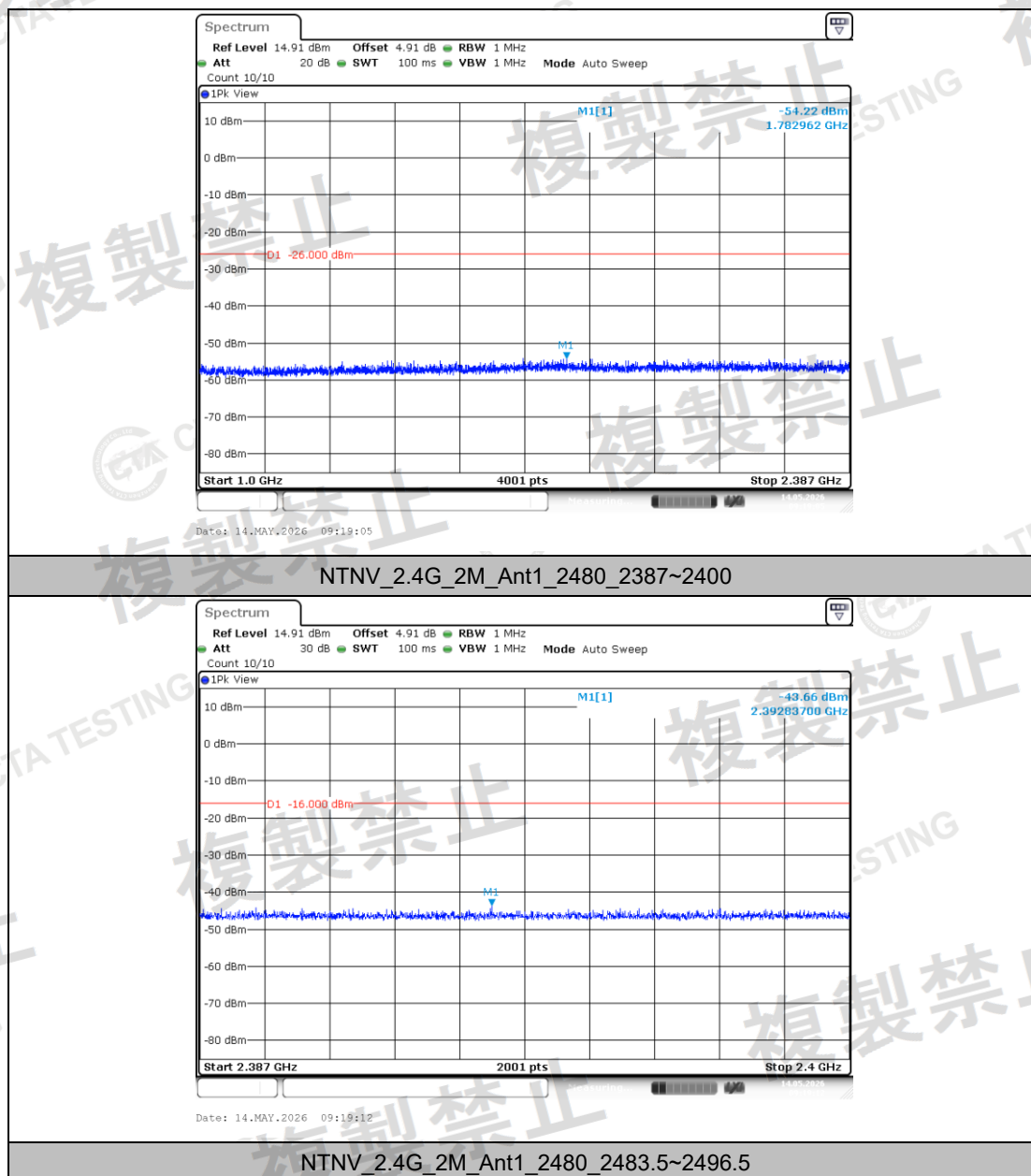
Room 106, Building 1, Yibaolai Industrial Park, Qiaotou Community,
Fuhai Street, Bao'an District, Shenzhen, China





Shenzhen CTA Testing Technology Co., Ltd.

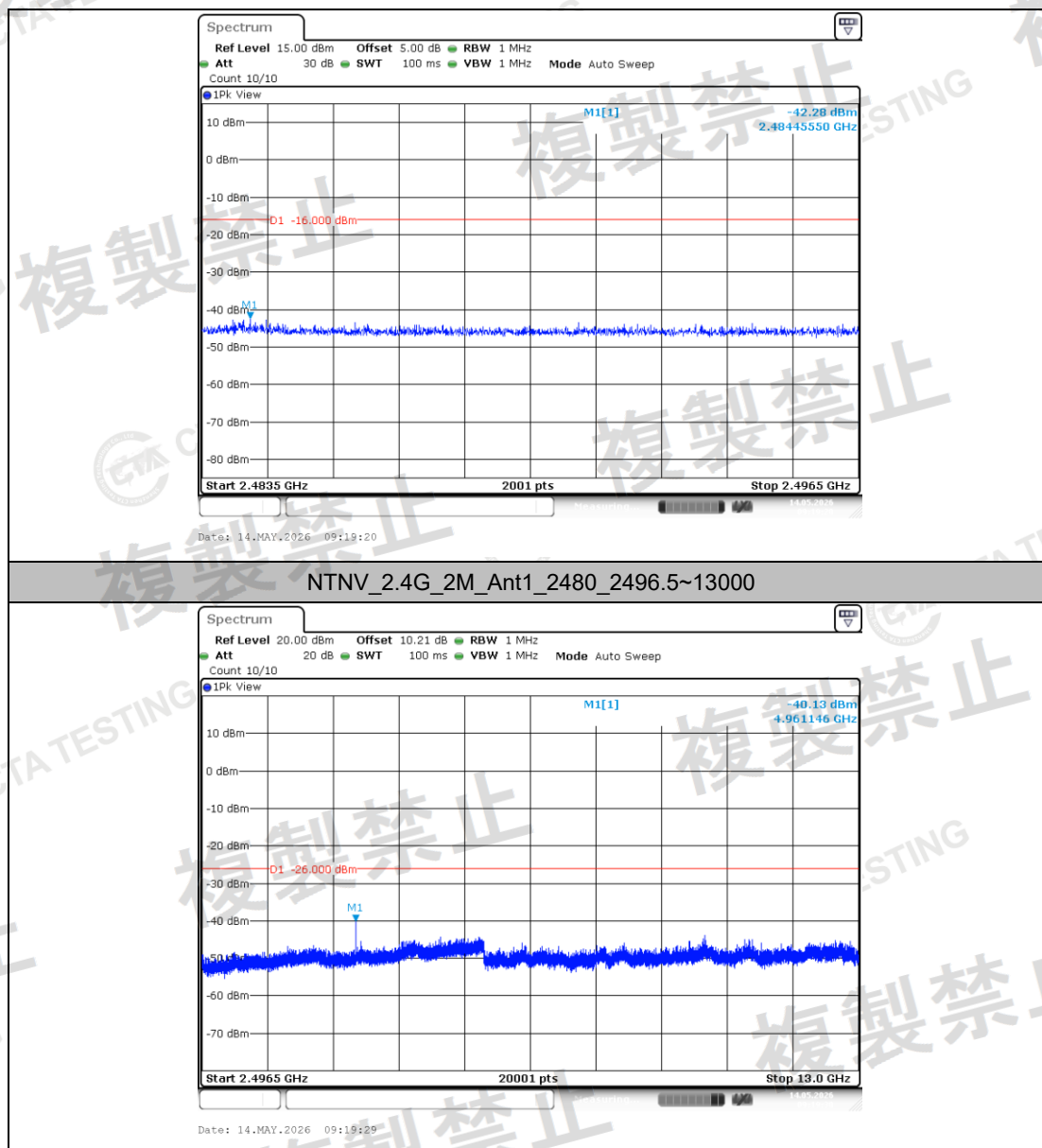
Room 106, Building 1, Yibaolai Industrial Park, Qiaotou Community,
Fuhai Street, Bao'an District, Shenzhen, China





Shenzhen CTA Testing Technology Co., Ltd.

Room 106, Building 1, Yibaolai Industrial Park, Qiaotou Community,
Fuhai Street, Bao'an District, Shenzhen, China





Shenzhen CTA Testing Technology Co., Ltd.

Room 106, Building 1, Yibaolai Industrial Park, Qiaotou Community,
Fuhai Street, Bao'an District, Shenzhen, China

Appendix E: Spurious Emission of RX

Test Result

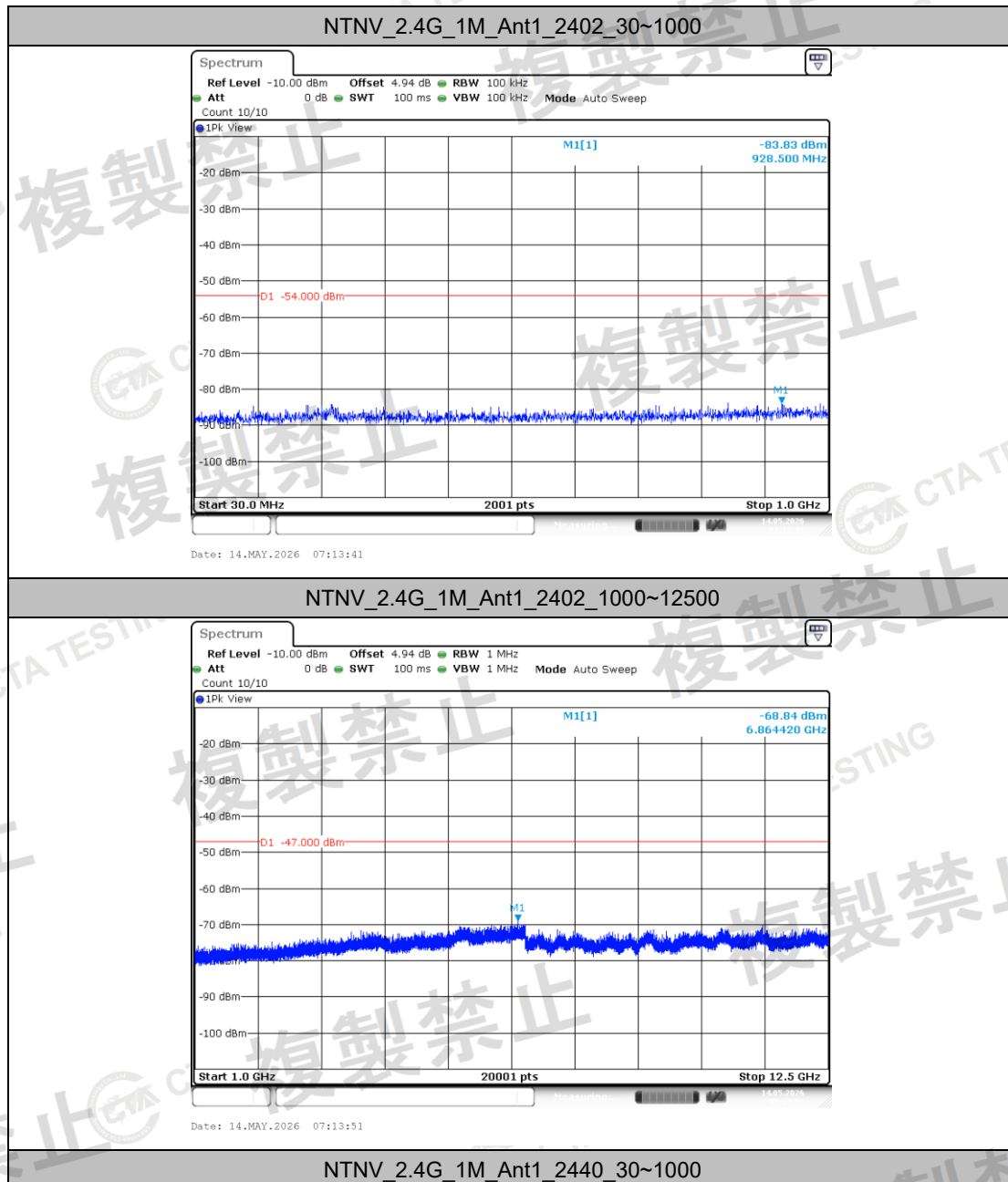
Test Condition	Test Mode	Antenna	Freq(M Hz)	Freq.Range [MHz]	Freq. [MHz]	Result [dBm]	Limit [dBm]	Result [nW]	Limit [nW]	Verdict
NTNV	2.4G_1M	Ant1	2402	30~1000	928.50	-83.83	≤-54	0.00414	≤4	PASS
				1000~12500	6864.42	-68.84	≤-47	0.13062	≤20	PASS
			2440	30~1000	913.47	-77.63	≤-54	0.01726	≤4	PASS
				1000~12500	6928.24	-68.55	≤-47	0.13964	≤20	PASS
			2480	30~1000	719.57	-84.27	≤-54	0.00374	≤4	PASS
				1000~12500	6979.41	-69.50	≤-47	0.11220	≤20	PASS
	2.4G_2M	Ant1	2402	30~1000	989.09	-84.48	≤-54	0.00356	≤4	PASS
				1000~12500	11268.12	-69.01	≤-47	0.12560	≤20	PASS
			2440	30~1000	976.97	-83.73	≤-54	0.00424	≤4	PASS
				1000~12500	6974.24	-69.28	≤-47	0.11803	≤20	PASS
			2480	30~1000	985.70	-83.77	≤-54	0.00420	≤4	PASS
				1000~12500	6422.27	-69.64	≤-47	0.10864	≤20	PASS



Shenzhen CTA Testing Technology Co., Ltd.

Room 106, Building 1, Yibaolai Industrial Park, Qiaotou Community,
Fuhai Street, Bao'an District, Shenzhen, China

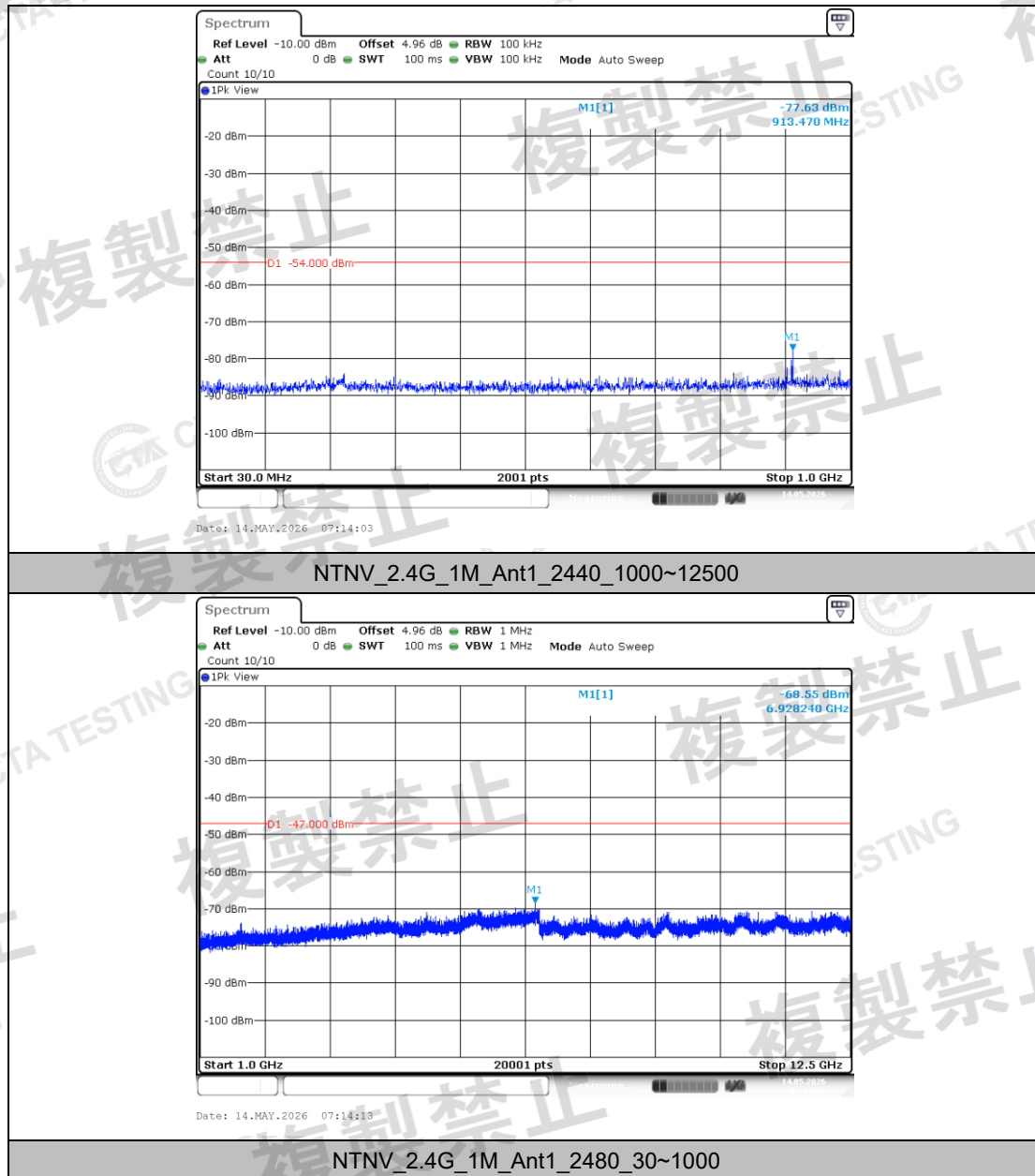
Test Graphs





Shenzhen CTA Testing Technology Co., Ltd.

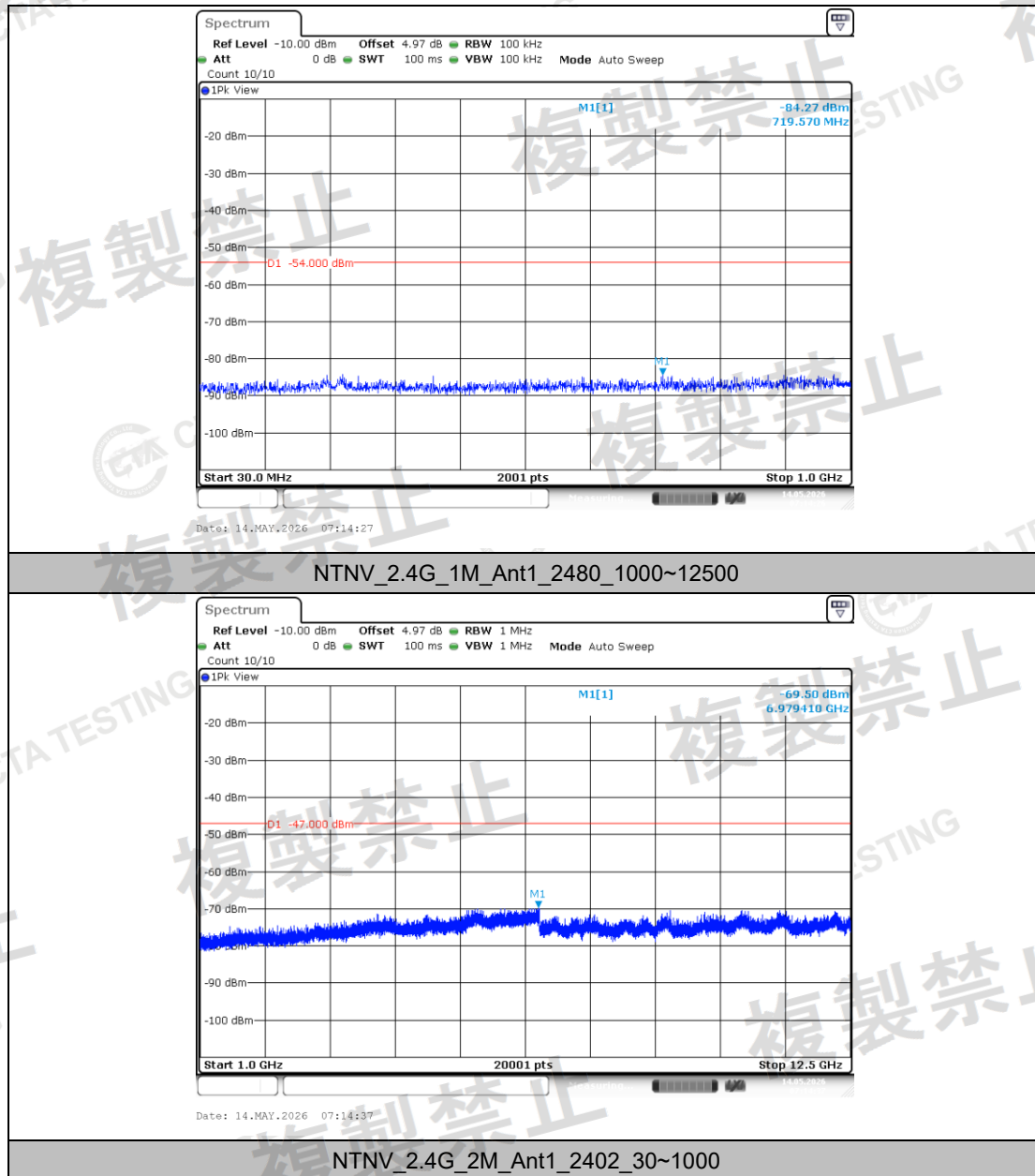
Room 106, Building 1, Yibaolai Industrial Park, Qiaotou Community,
Fuhai Street, Bao'an District, Shenzhen, China





Shenzhen CTA Testing Technology Co., Ltd.

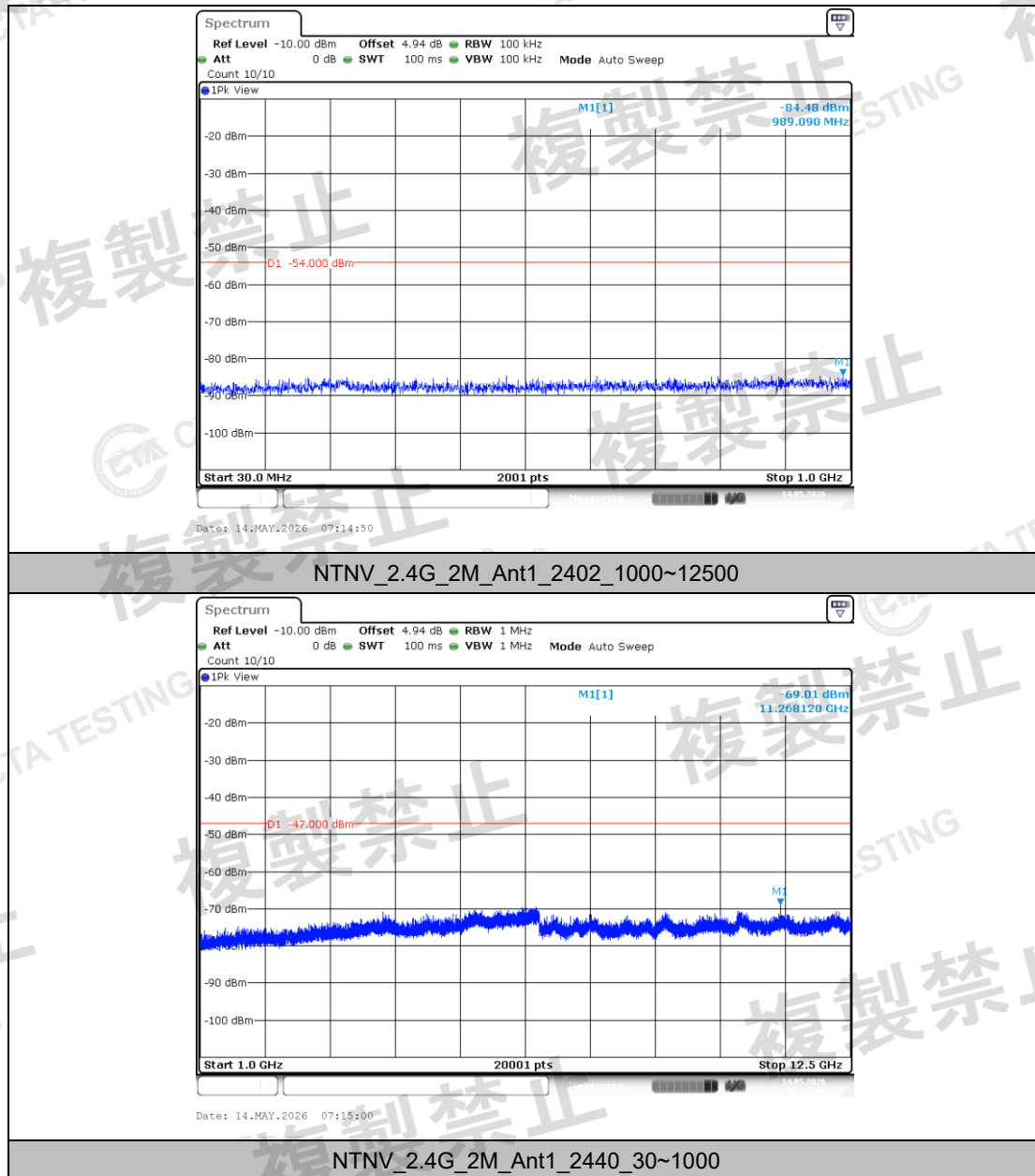
Room 106, Building 1, Yibaolai Industrial Park, Qiaotou Community,
Fuhai Street, Bao'an District, Shenzhen, China





Shenzhen CTA Testing Technology Co., Ltd.

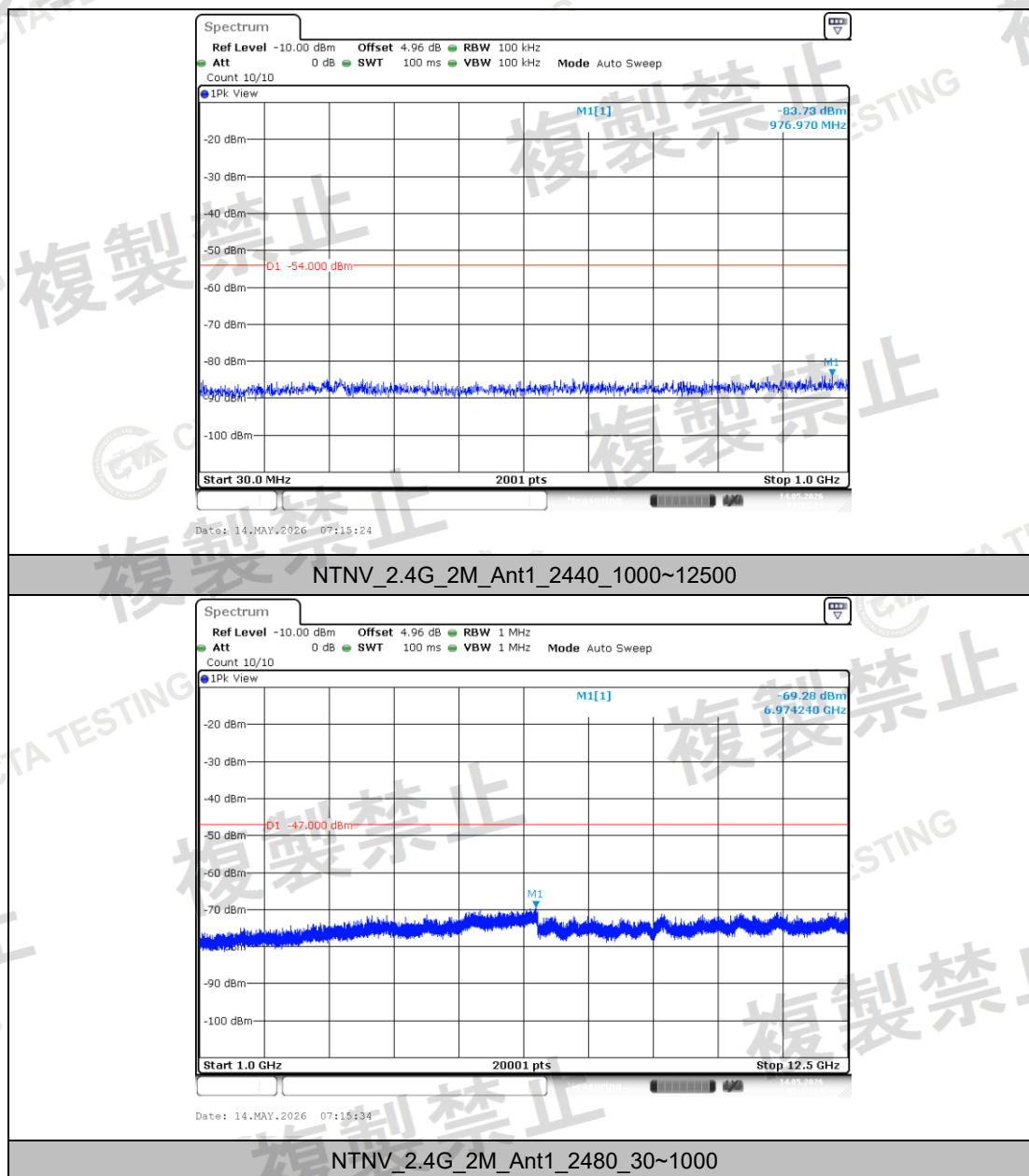
Room 106, Building 1, Yibaolai Industrial Park, Qiaotou Community,
Fuhai Street, Bao'an District, Shenzhen, China





Shenzhen CTA Testing Technology Co., Ltd.

Room 106, Building 1, Yibaolai Industrial Park, Qiaotou Community,
Fuhai Street, Bao'an District, Shenzhen, China





Shenzhen CTA Testing Technology Co., Ltd.

Room 106, Building 1, Yibaolai Industrial Park, Qiaotou Community,
Fuhai Street, Bao'an District, Shenzhen, China

