

Appendix A for 2.4G Test Data

Product Name: MINI FORKLIFT- RX
Test Model: HG-XCRX-2.4G

Environmental Conditions

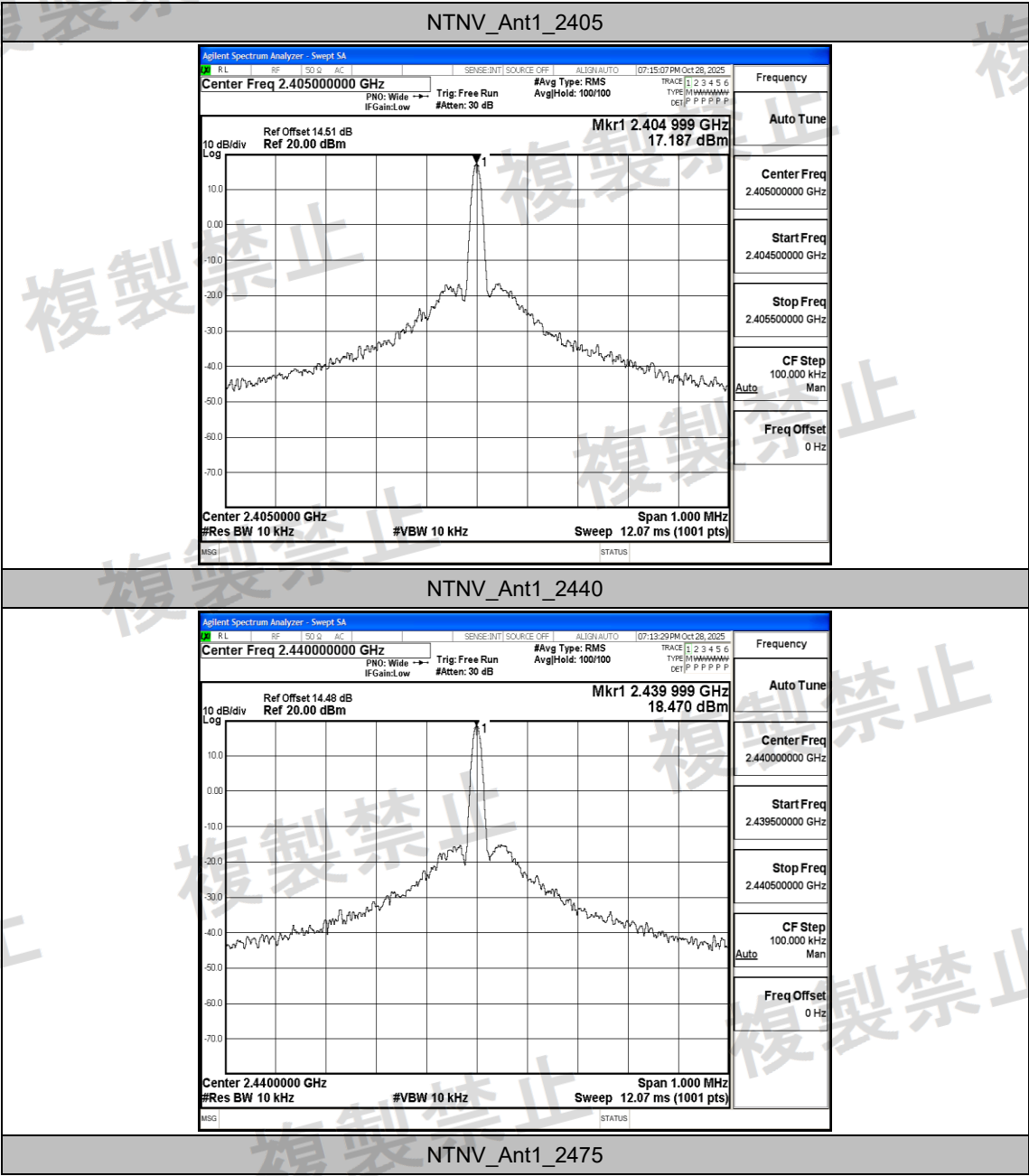
Temperature:	24.1°C
Relative Humidity:	52.5%
ATM Pressure:	100.0 kPa
Test Engineer:	Suichao Lai
Supervised by:	Yan Chen

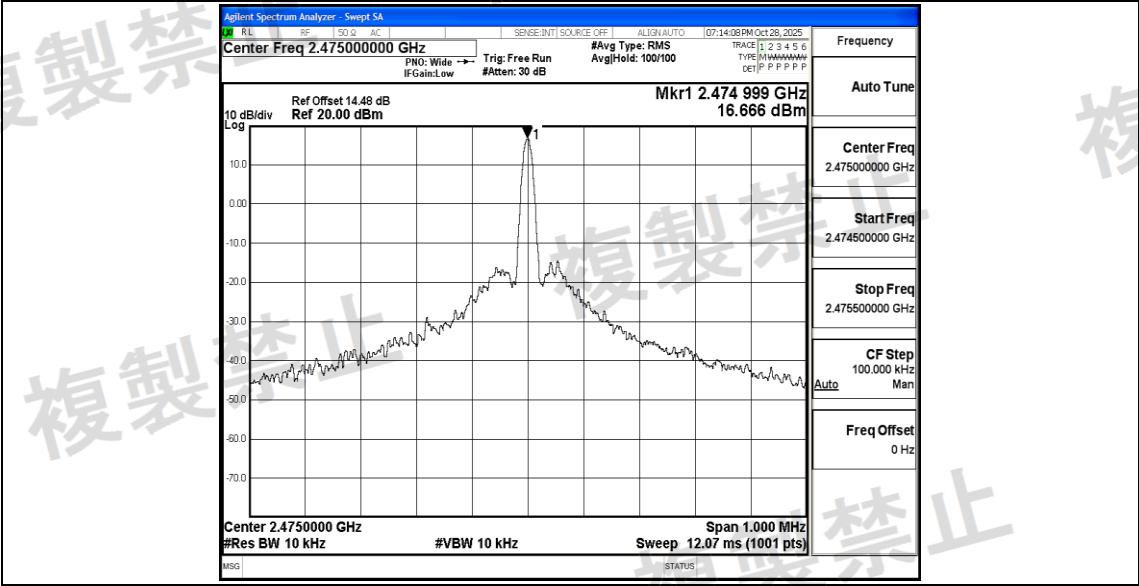
A.1 Frequency_Error

Test Result

TestCondition	TestMode	Antenna	Channel	Result[ppm]	Limit[ppm]	Verdict
NTNV	Frequency_Error	Ant1	2405	-0.41580	±50	PASS
			2440	-0.40984	±50	PASS
			2475	-0.40404	±50	PASS

Test Graphs





A.2 Antenna Power

Test Result

Antenna Power							
TestCondition	TestMode	Antenna	Frequency [MHz]	Result(dBm)	Result(mW)	Limit(mW)	Verdict
NTNV	2.4G	Ant1	2402	3.79	2.39	≤10	PASS
			2440	2.59	1.82	≤10	PASS
			2479	1.11	1.29	≤10	PASS

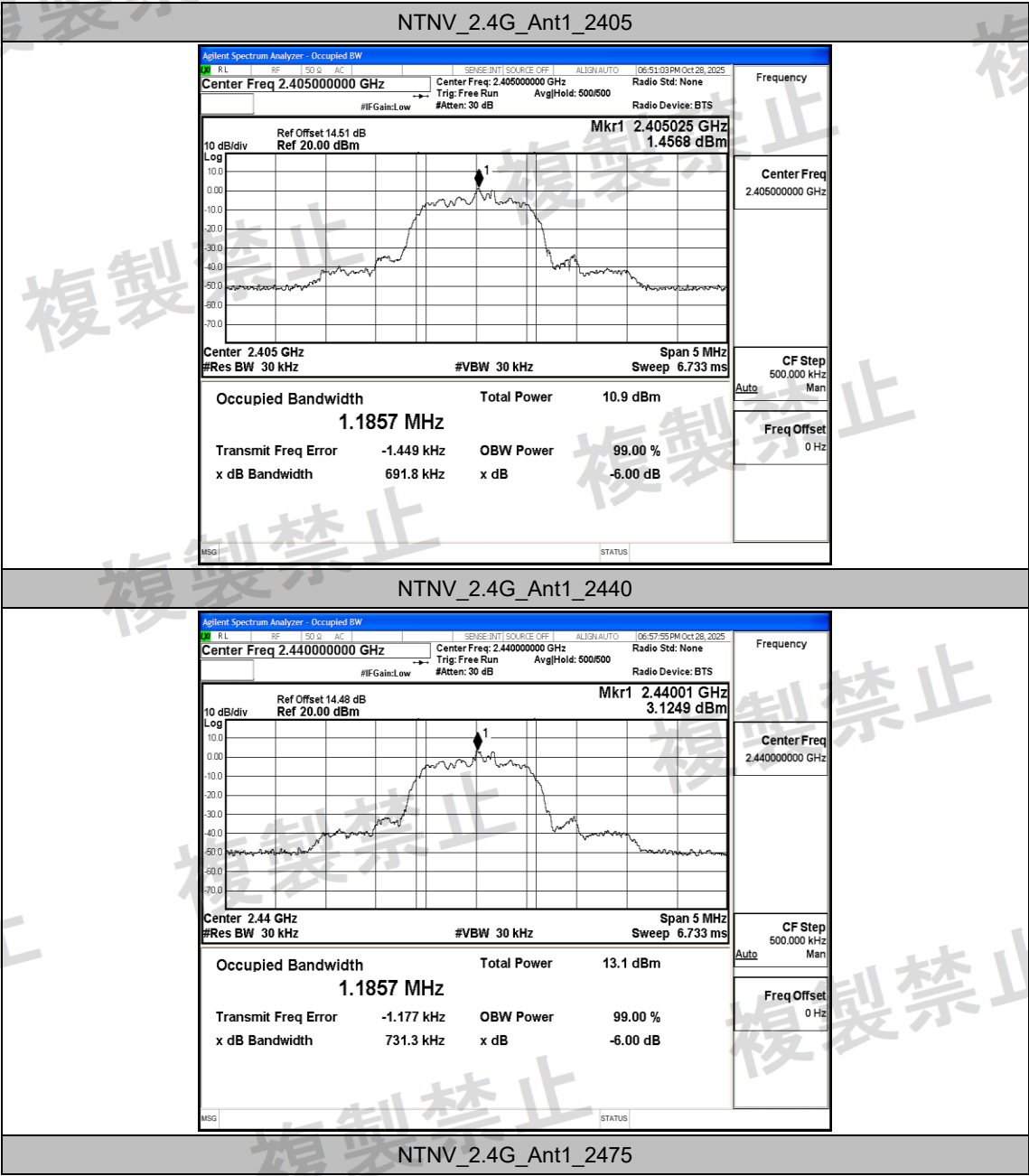
Tolerance								
Test Condition	Test Mode	Antenna	Frequency [MHz]	Power (mW)	RatedPower (mW)	Result (%)	Limit (%)	Verdict
NTNV	2.4G	Ant1	2402	2.39	2.0	19.50	+20	PASS
			2440	1.82	2.0	-9.00	+20	PASS
			2479	1.29	2.0	-35.50	+20	PASS

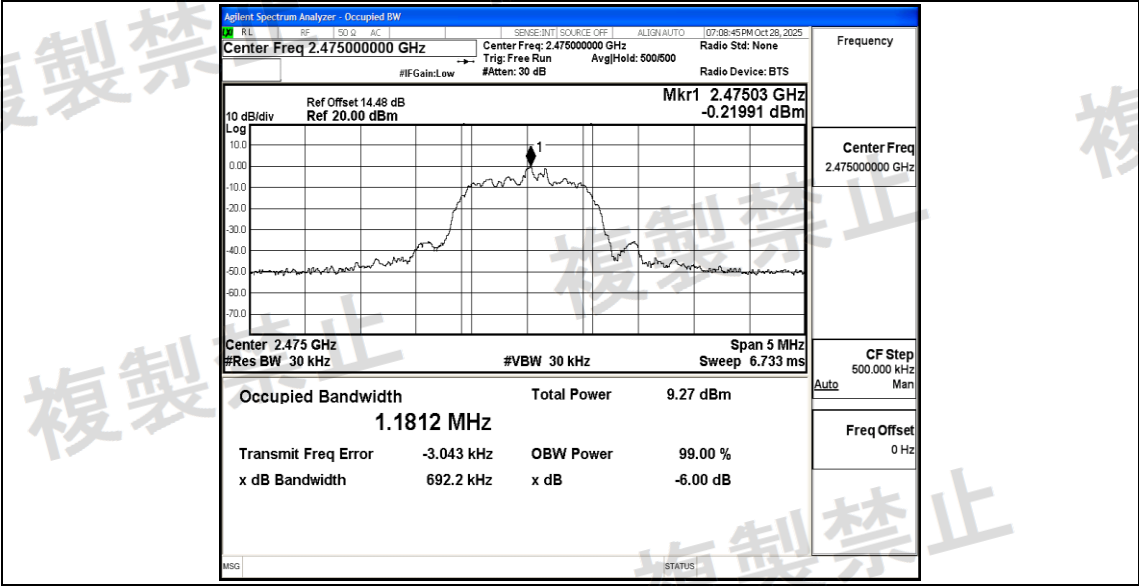
A.3 Occupied Bandwidth

Test Result

TestCondition	TestMode	Antenna	Channel	Result [MHz]	Limit [MHz]	Verdict
NTNV	2.4G	Ant1	2405	1.186	≤26	PASS
			2440	1.186	≤26	PASS
			2475	1.181	≤26	PASS

Test Graphs



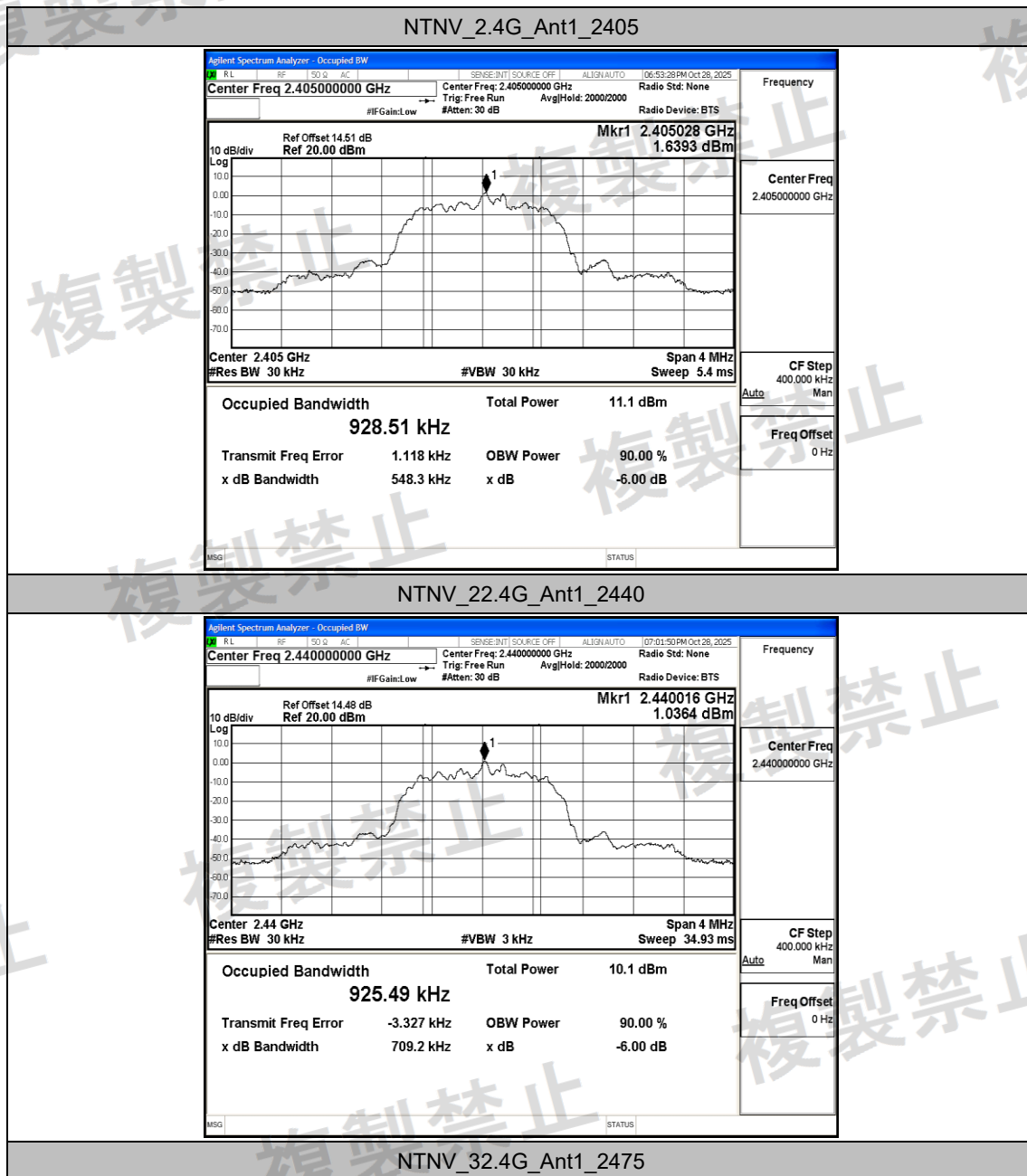


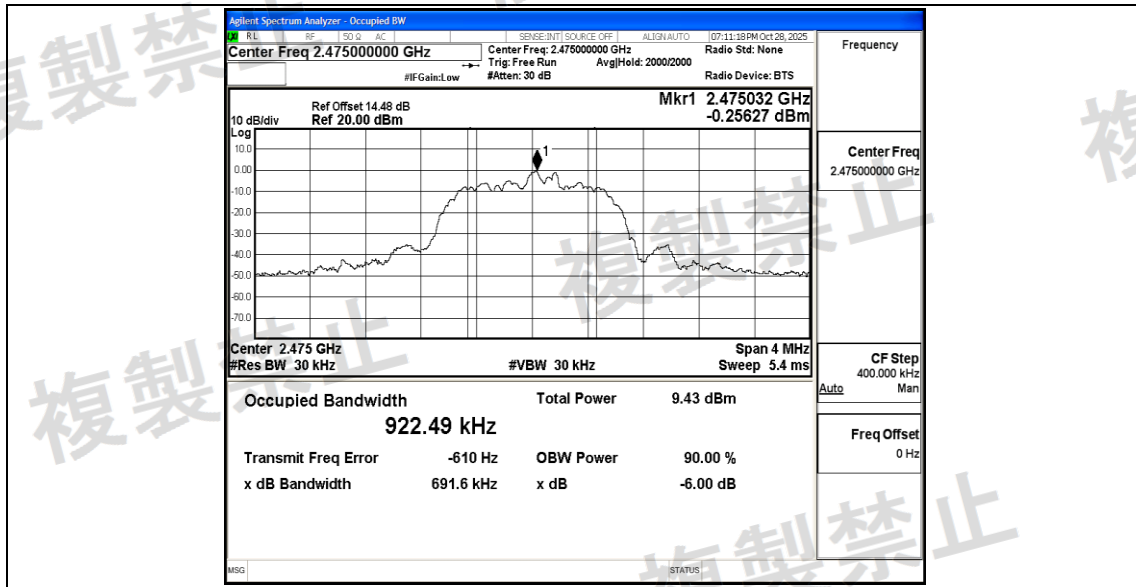
A.4 Spread Bandwidth

Test Result

TestCondition	TestMode	Antenna	Channel	Result [MHz]	Limit [MHz]	Verdict
NTNV	2.4G	Ant1	2405	0.929	≥0.5	PASS
	2.4G	Ant1	2440	0.925	≥0.5	PASS
	2.4G	Ant1	2475	0.922	≥0.5	PASS

Test Graphs



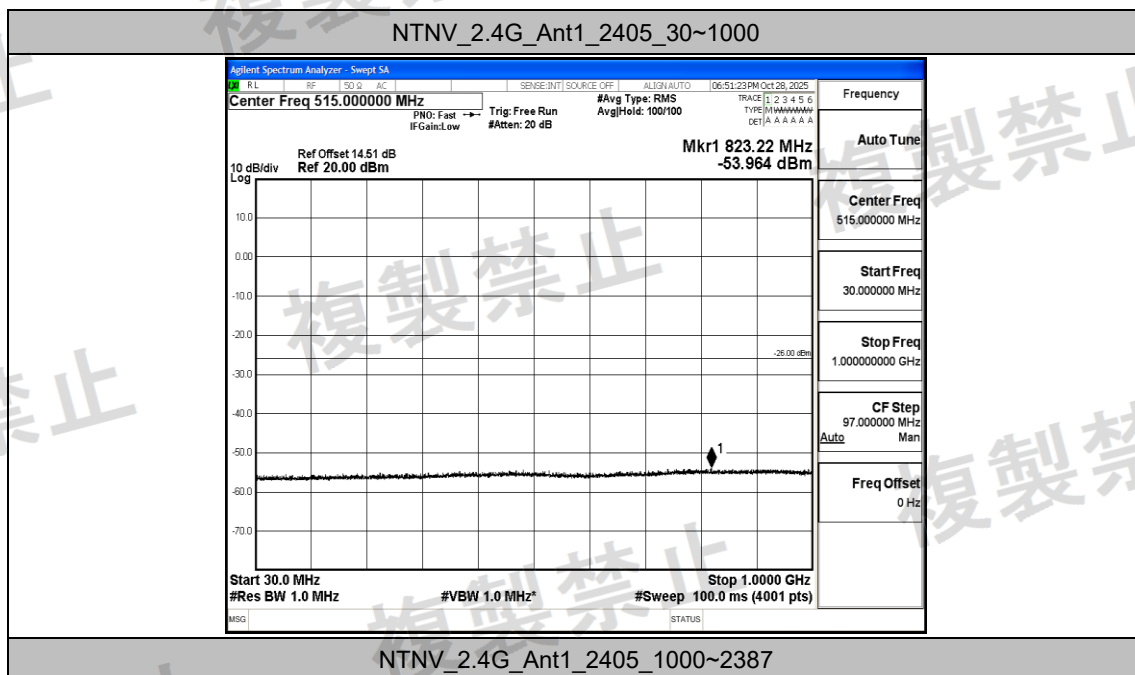


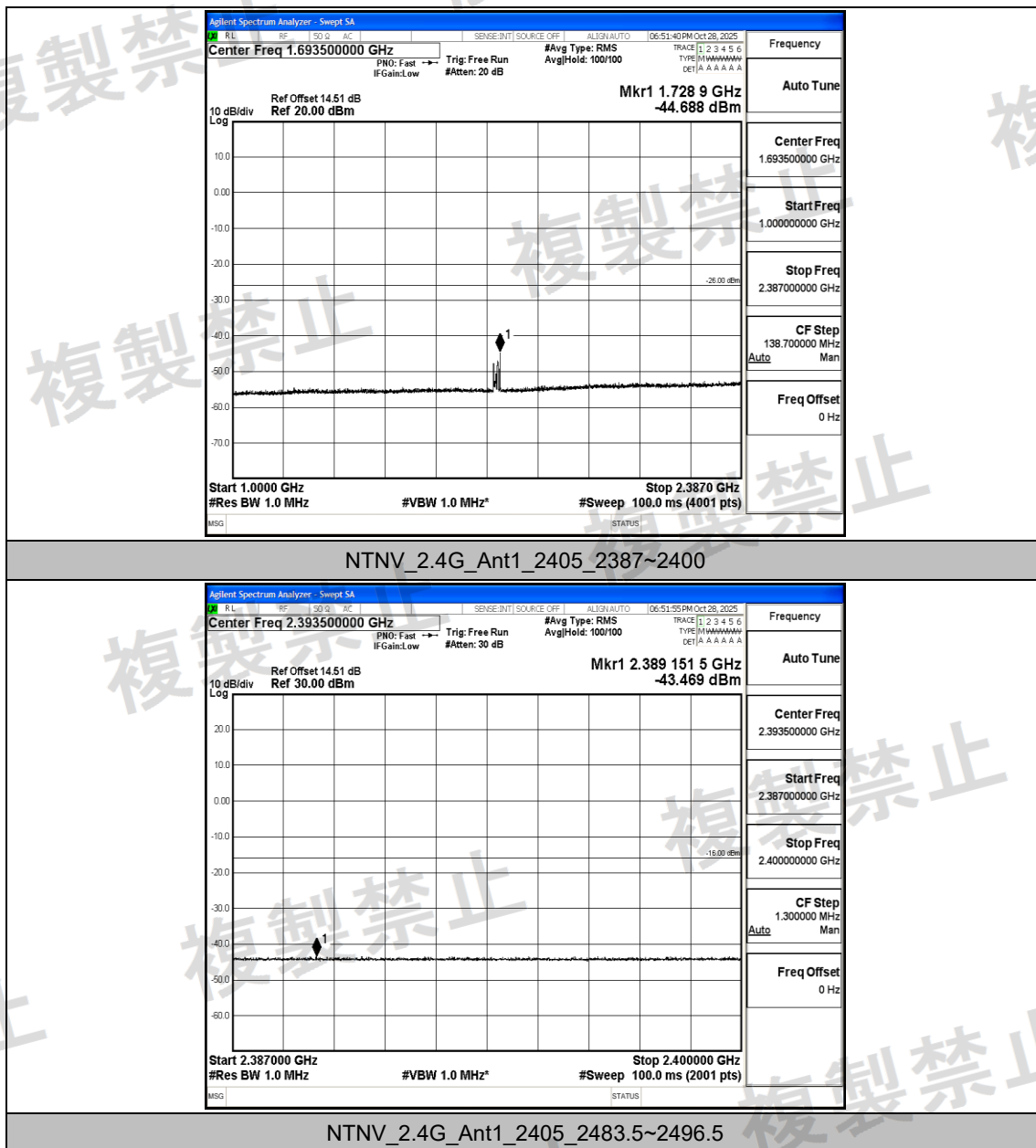
A.5 Spurious Emission of TX

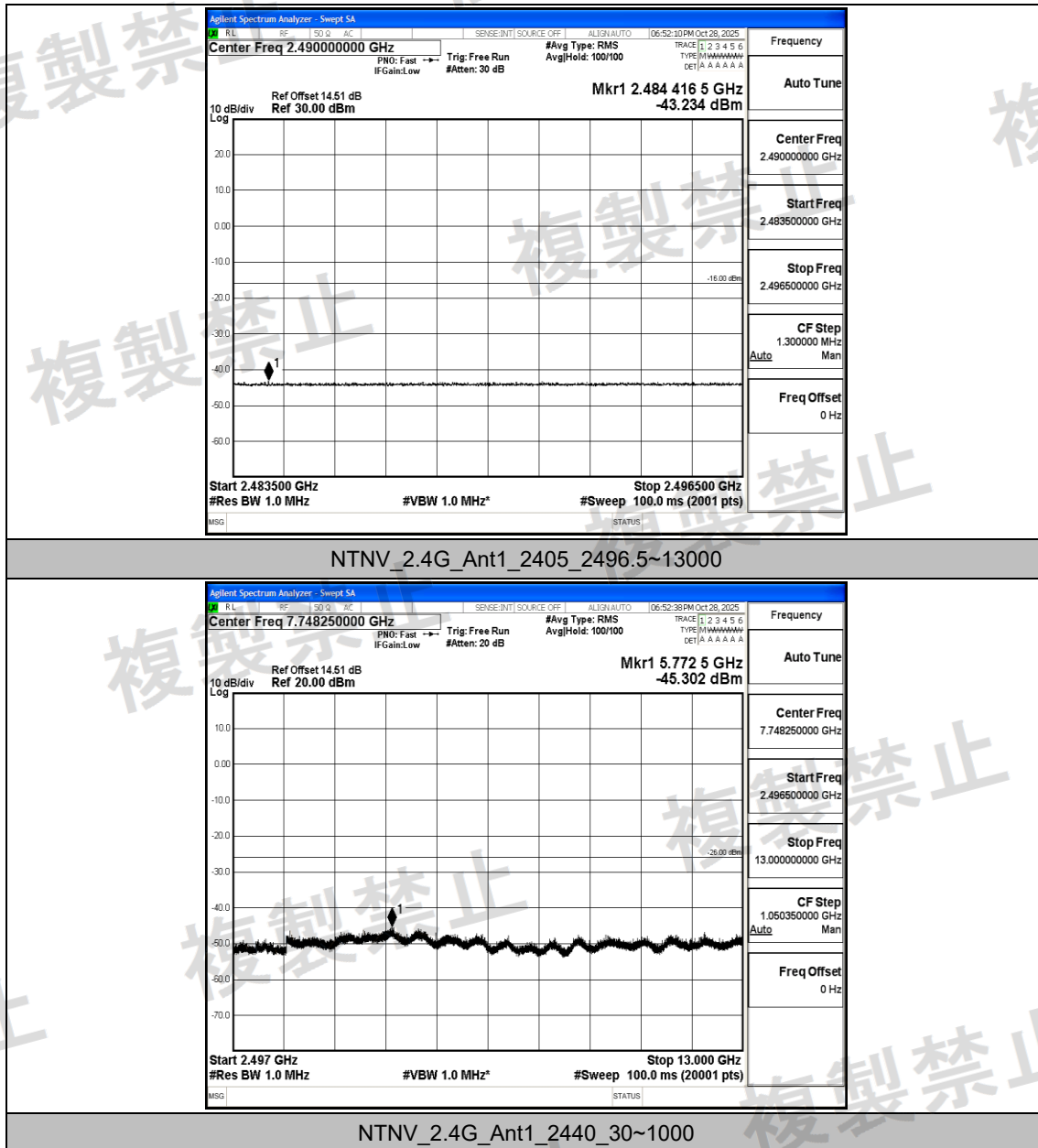
Test Result

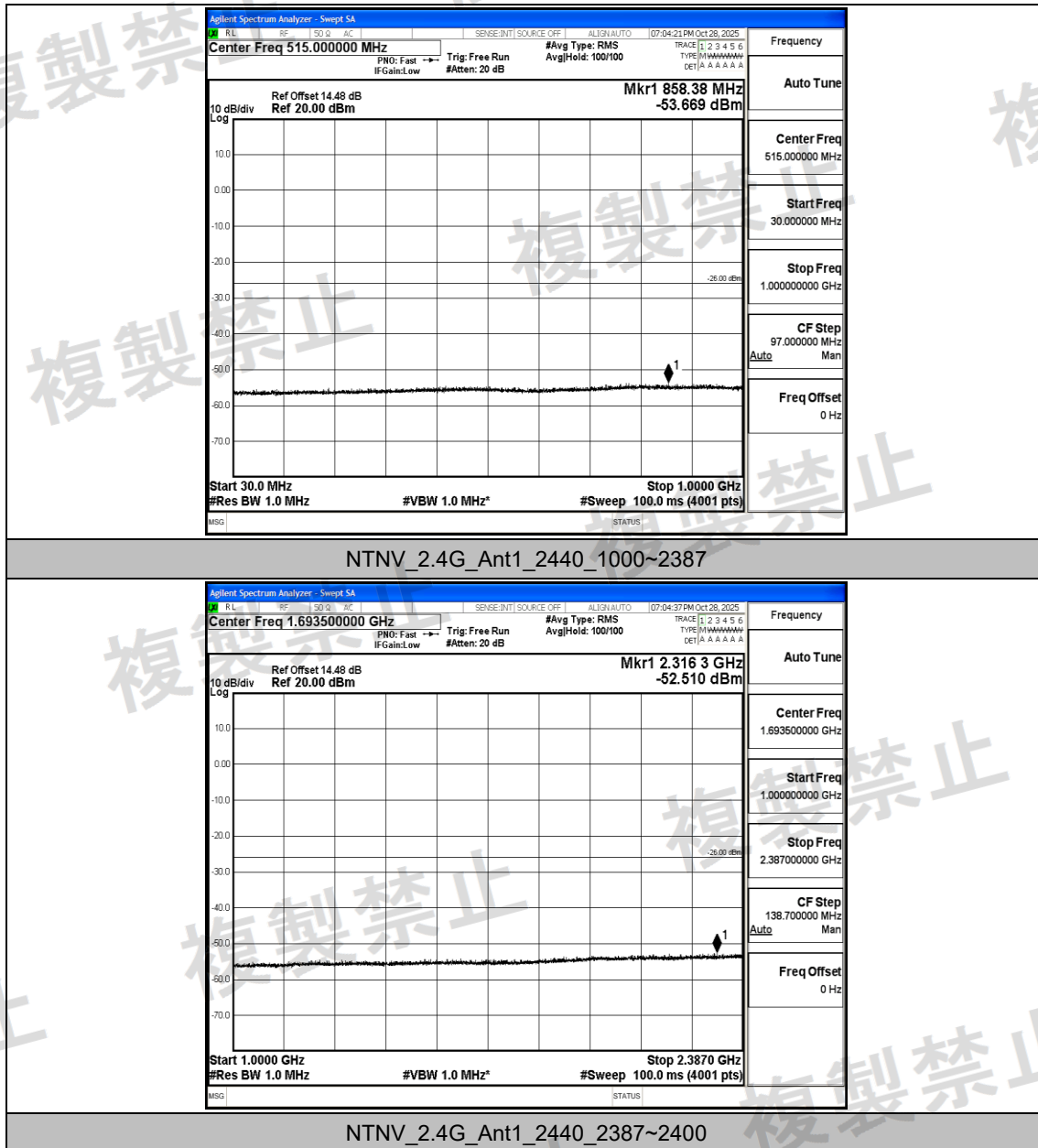
TestCondition	TestMode	Antenna	Channel	Freq.Range [MHz]	Result [dBm]	Limit [dBm]	Result [μW]	Limit [μW]	Verdict
NTNV	2.4G	Ant1	2405	30~1000	-53.96	≤-26	0.00402	≤2.5	PASS
				1000~2387	-44.69	≤-26	0.03396	≤2.5	PASS
				2387~2400	-43.47	≤-16	0.04498	≤25	PASS
				2483.5~2496.5	-43.23	≤-16	0.04753	≤25	PASS
				2496.5~13000	-45.30	≤-26	0.02951	≤2.5	PASS
			2440	30~1000	-53.67	≤-26	0.00430	≤2.5	PASS
				1000~2387	-52.51	≤-26	0.00561	≤2.5	PASS
				2387~2400	-43.34	≤-16	0.04634	≤25	PASS
				2483.5~2496.5	-43.20	≤-16	0.04786	≤25	PASS
				2496.5~13000	-45.61	≤-26	0.02748	≤2.5	PASS
			2475	30~1000	-53.53	≤-26	0.00444	≤2.5	PASS
				1000~2387	-52.45	≤-26	0.00569	≤2.5	PASS
				2387~2400	-43.39	≤-16	0.04581	≤25	PASS
				2483.5~2496.5	-43.33	≤-16	0.04645	≤25	PASS
				2496.5~13000	-45.30	≤-26	0.02951	≤2.5	PASS

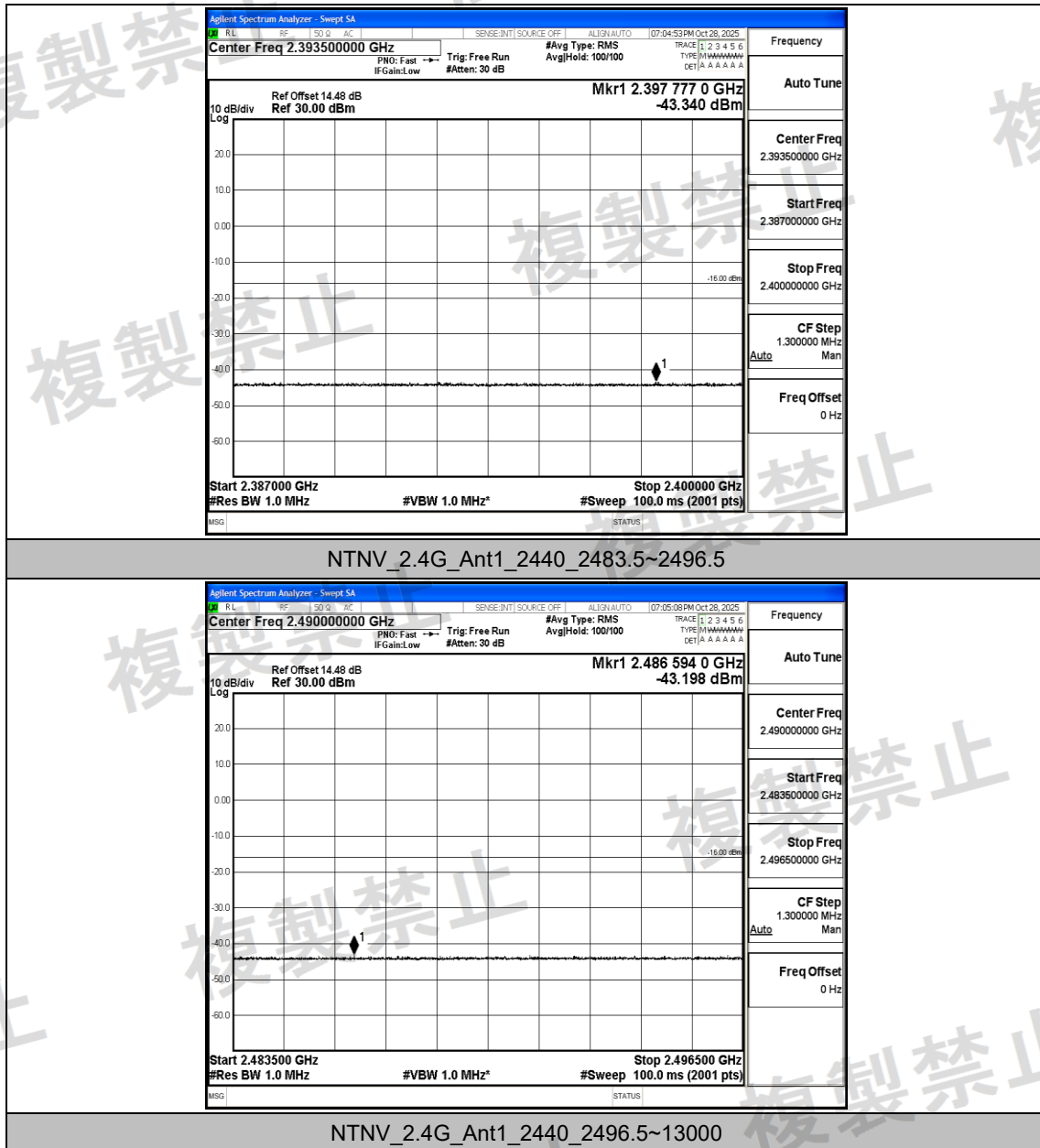
Test Graphs

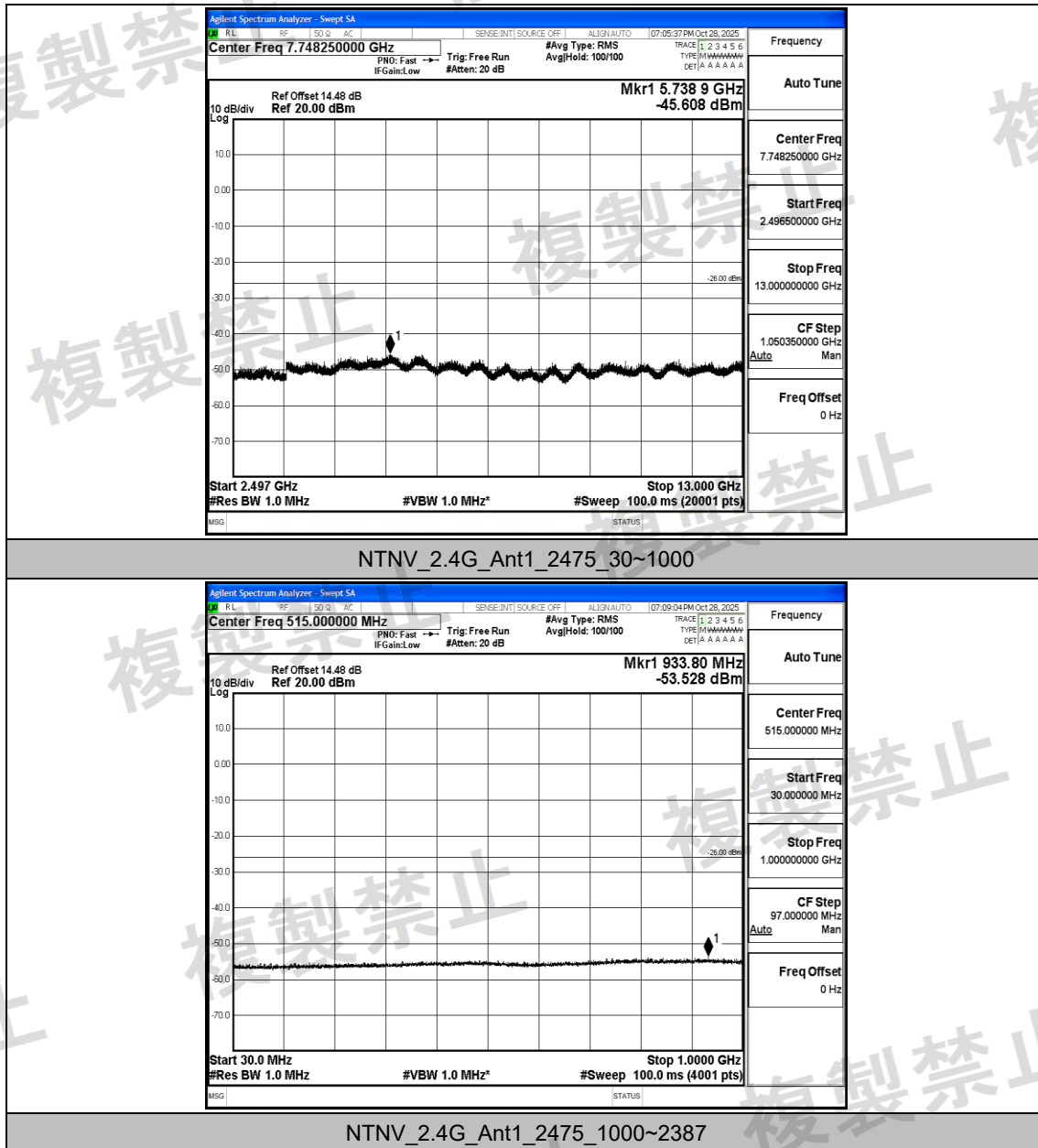


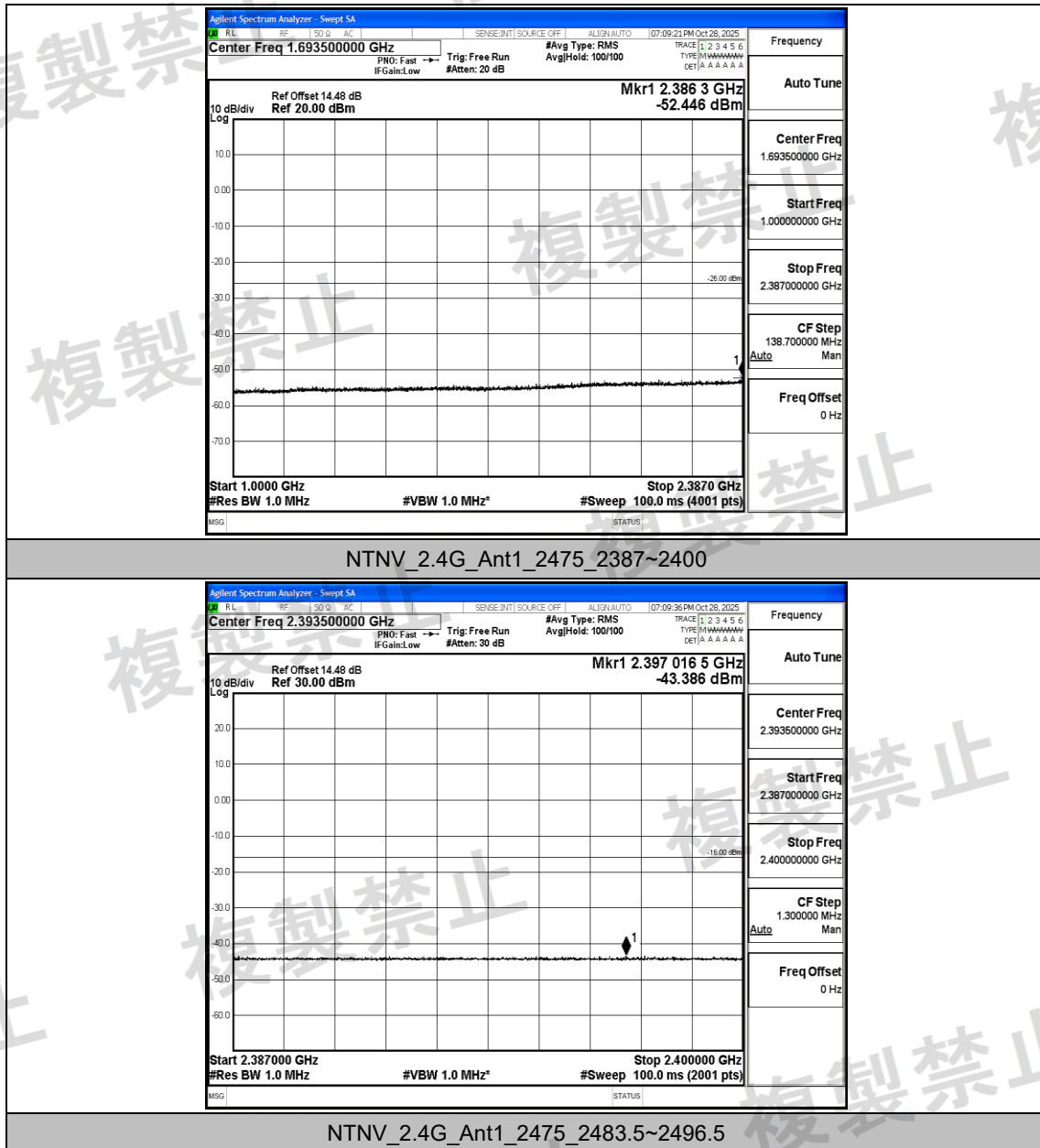


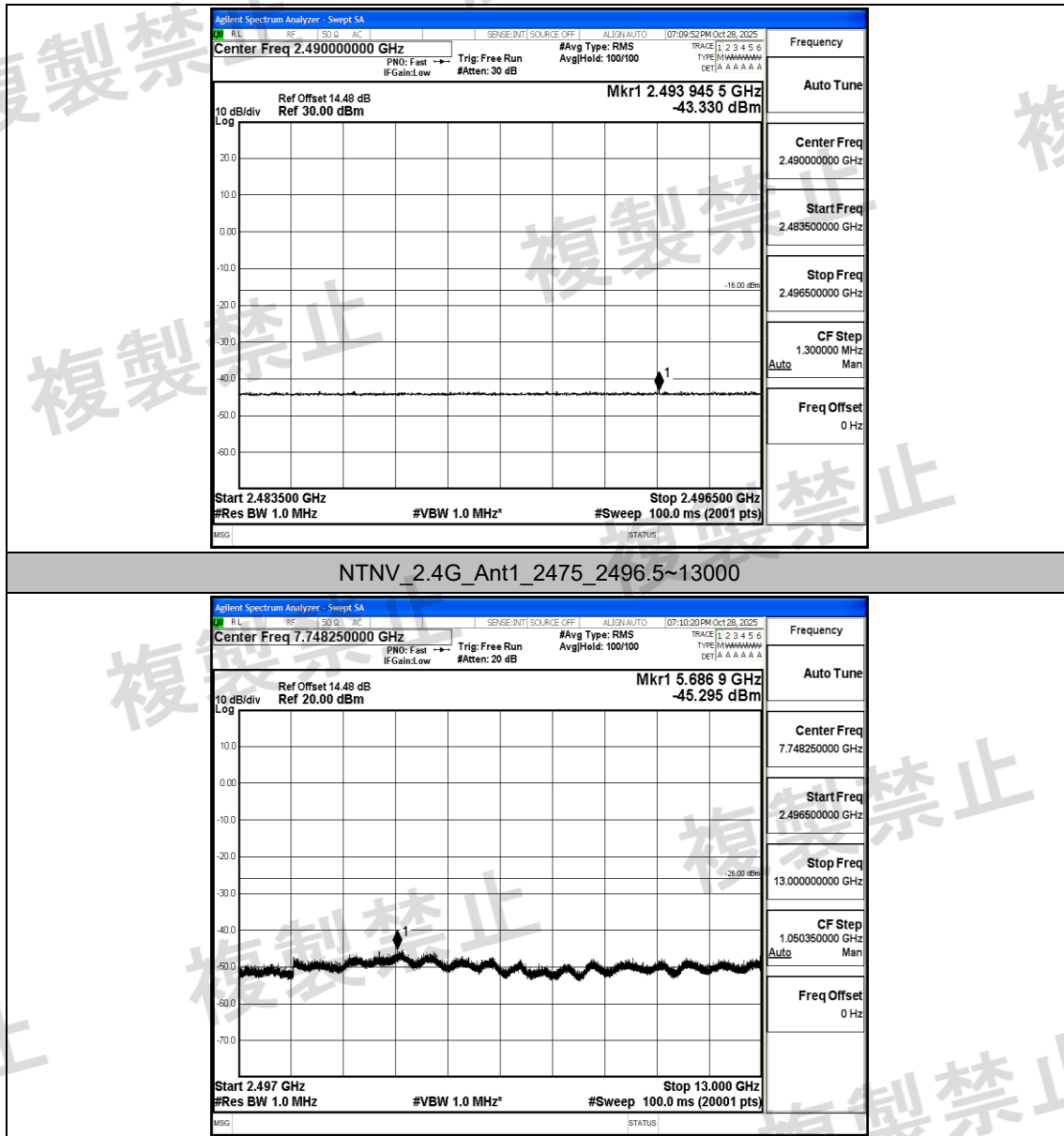












A.6 Spurious Emission of RX

Test Result

TestCondition	TestMode	Antenna	Channel	Freq.Range [MHz]	Result [dBm]	Limit [dBm]	Result [nW]	Limit [nW]	Verdict
NTNV	2.4G	Ant1	2405	30~1000	-83.88	≤-54	0.00409	≤4	PASS
				1000~12500	-67.06	≤-47	0.19679	≤20	PASS
			2440	30~1000	-83.83	≤-54	0.00414	≤4	PASS
				1000~12500	-67	≤-47	0.19953	≤20	PASS
			2475	30~1000	-84.02	≤-54	0.00396	≤4	PASS
				1000~12500	-66.7	≤-47	0.21380	≤20	PASS

Test Graphs

