

Appendix A for 2.4G Test Data

Product Name: PCB module RX (Camera Mini Car - Car RX)

Test Model: WD-XSM1R-2.4C

Environmental Conditions

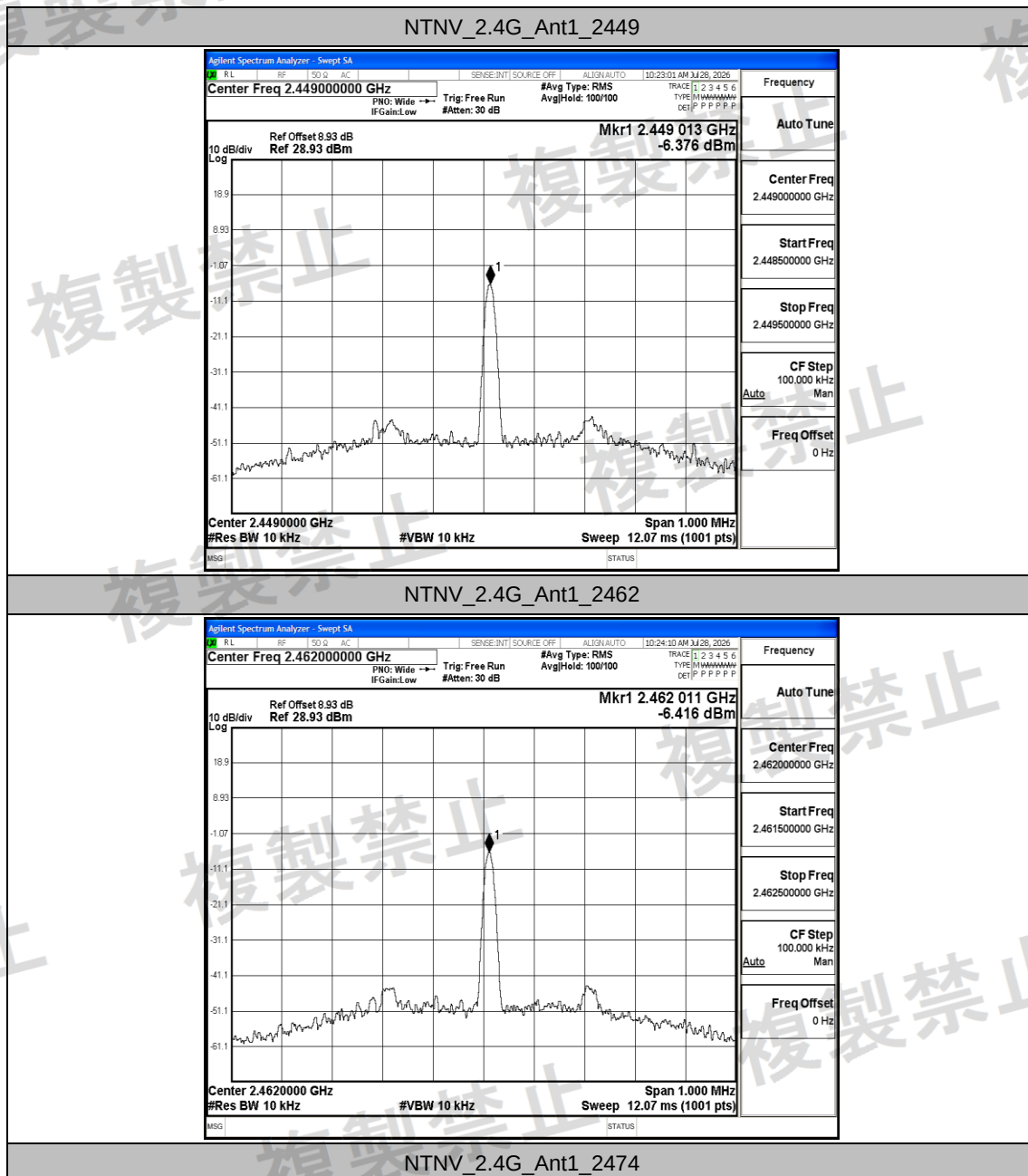
Temperature:	24.1°C
Relative Humidity:	52.6%
ATM Pressure:	100.0 kPa
Test Engineer:	Zhang Hai
Supervised by:	Fengliu Tang

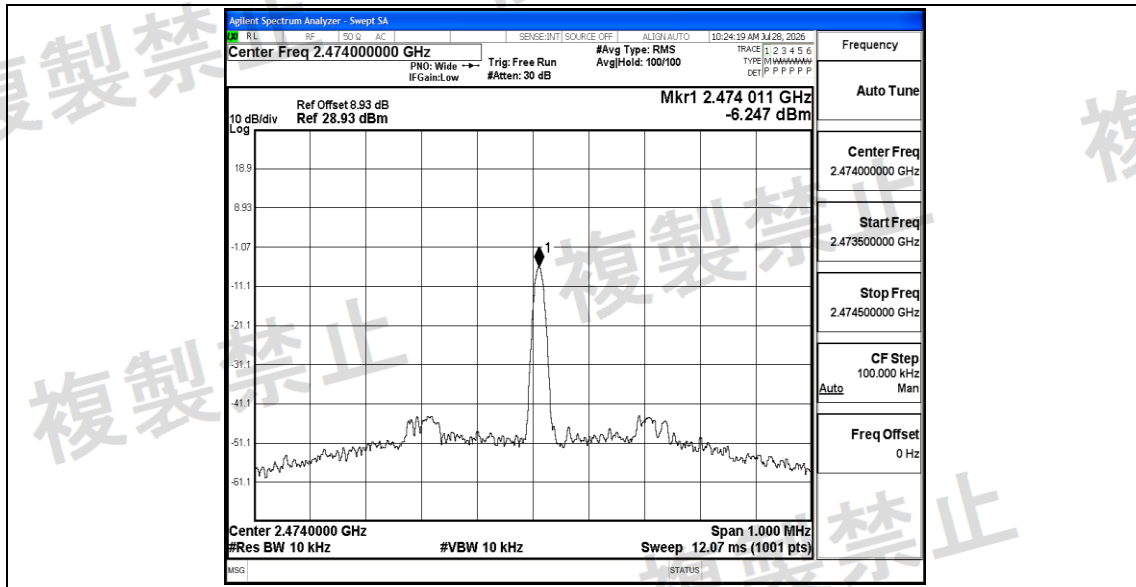
A.1 Frequency Error

Test Result

TestCondition	TestMode	Antenna	Frequency[MHz]	Result[ppm]	Limit[ppm]	Verdict
NTNV	2.4G	Ant1	2449	5.30829	±50	PASS
			2462	4.46791	±50	PASS
			2474	4.44624	±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	2449	-2.54	0.56	≤10	PASS
			2462	-2.00	0.63	≤10	PASS
			2474	-2.29	0.59	≤10	PASS

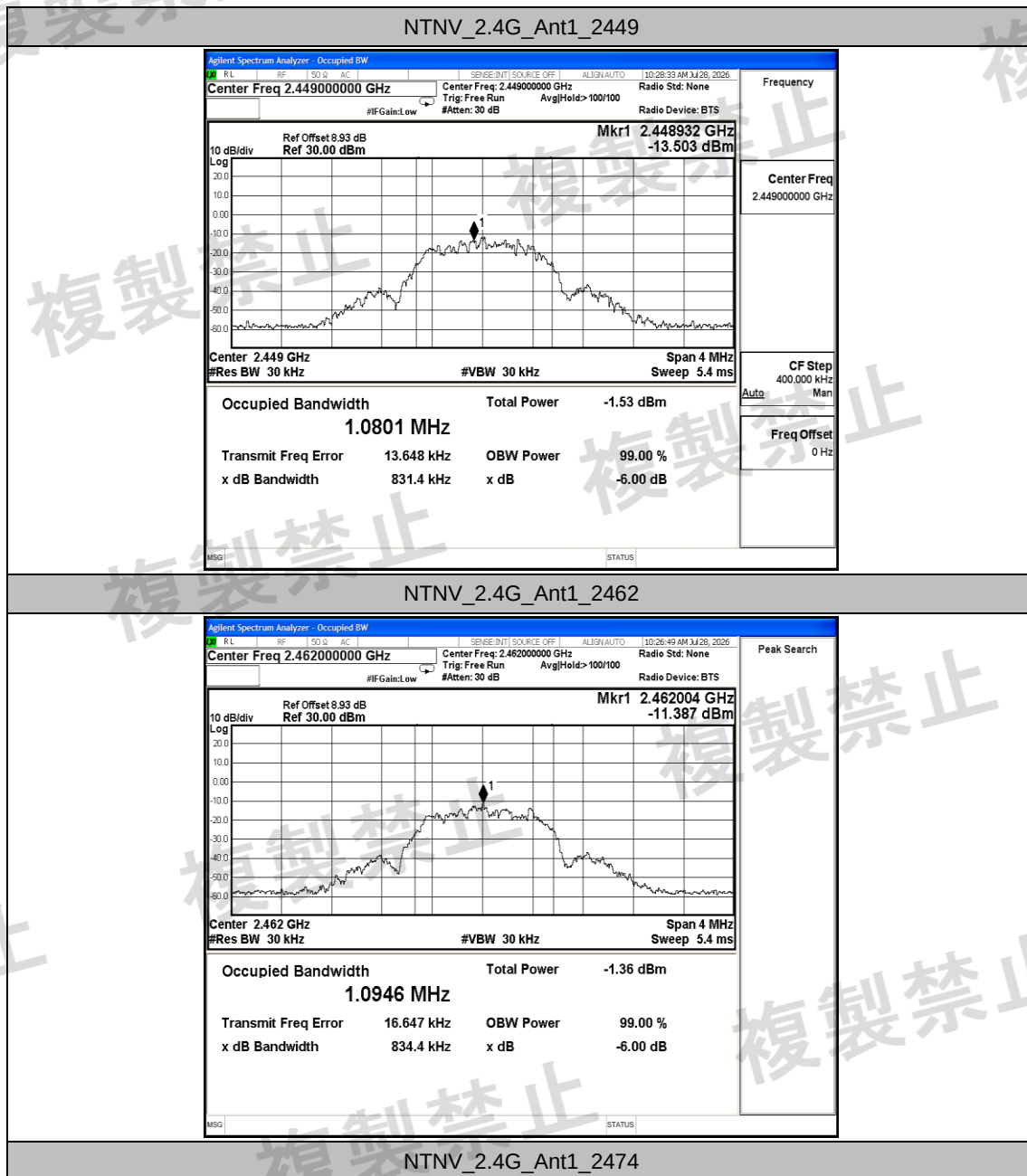
Tolerance								
Test Condition	Test Mode	Antenna	Frequency[MHz]	Power (mW)	RatedPower (mW)	Result (%)	Limit (%)	Verdict
NTNV	2.4G	Ant1	2449	0.56	1.0	-44.00	20	PASS
			2462	0.63	1.0	-37.00	20	PASS
			2474	0.59	1.0	-41.00	20	PASS

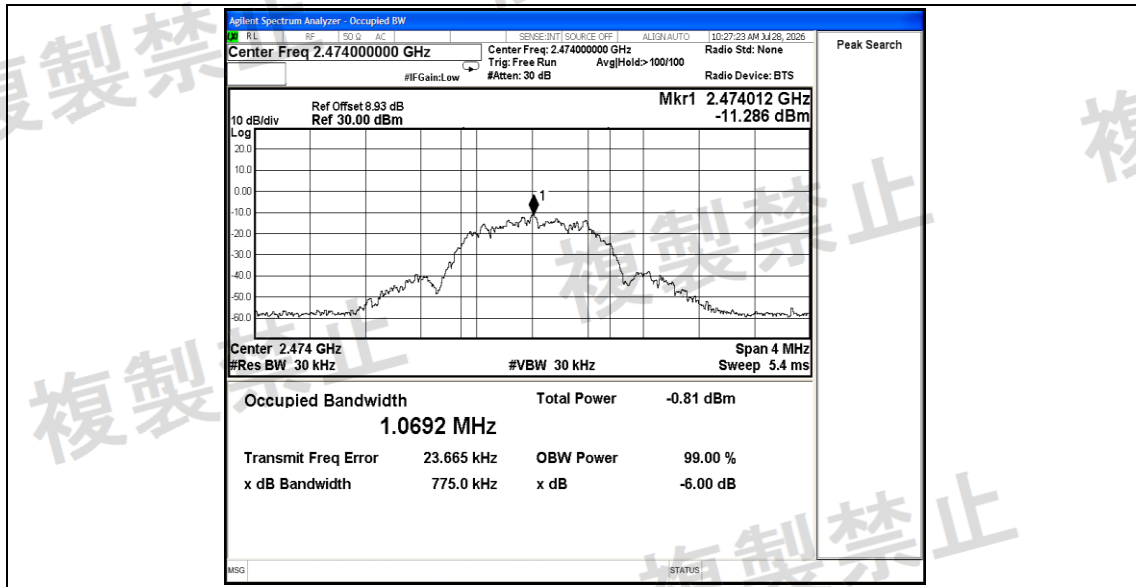
A.3 Occupied Bandwidth

Test Result

TestCondition	TestMode	Antenna	Frequency[MHz]	Result [MHz]	Limit [MHz]	Verdict
NTNV	2.4G	Ant1	2449	1.085	≤26	PASS
			2462	1.026	≤26	PASS
			2474	1.147	≤26	PASS

Test Graphs



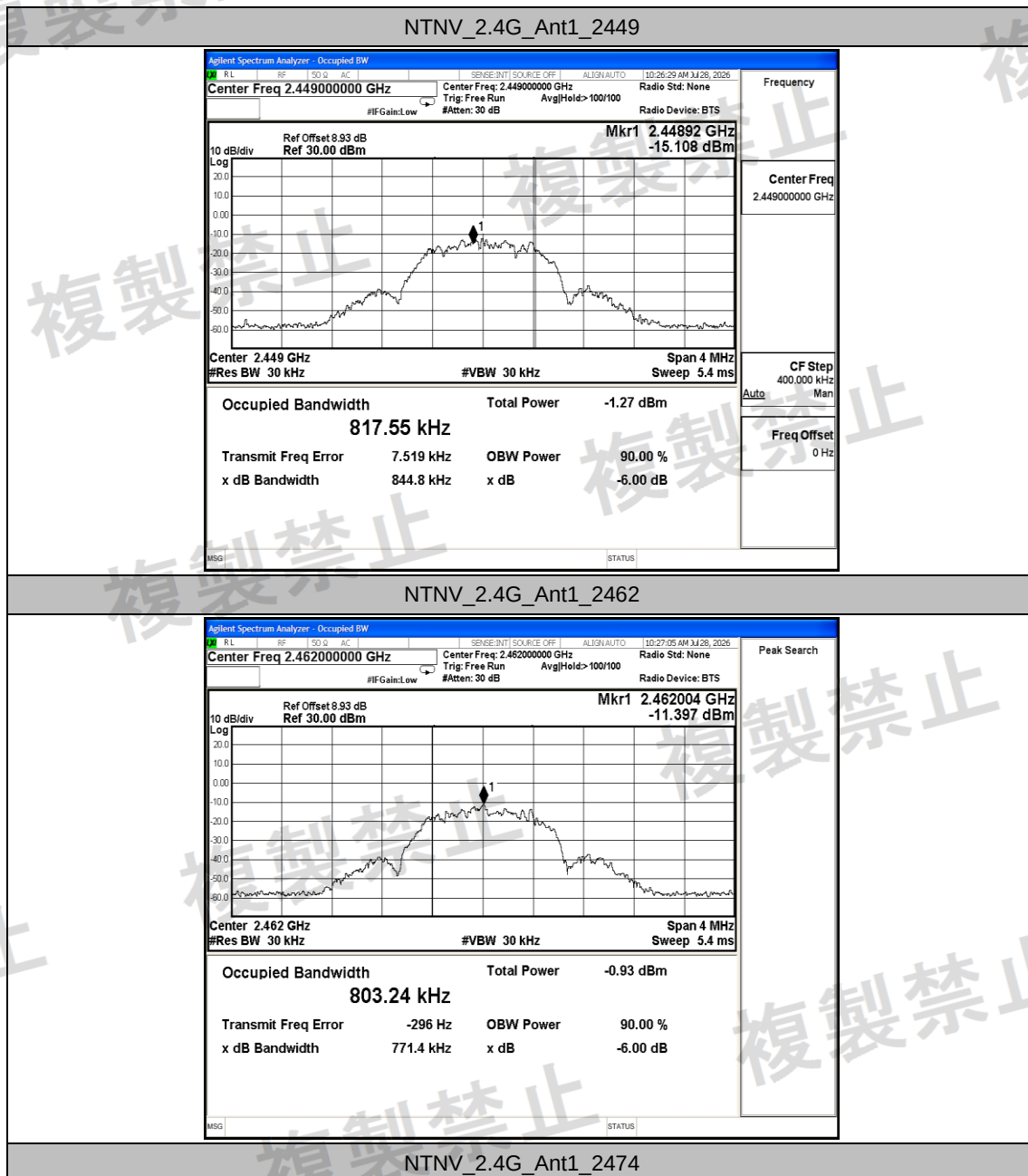


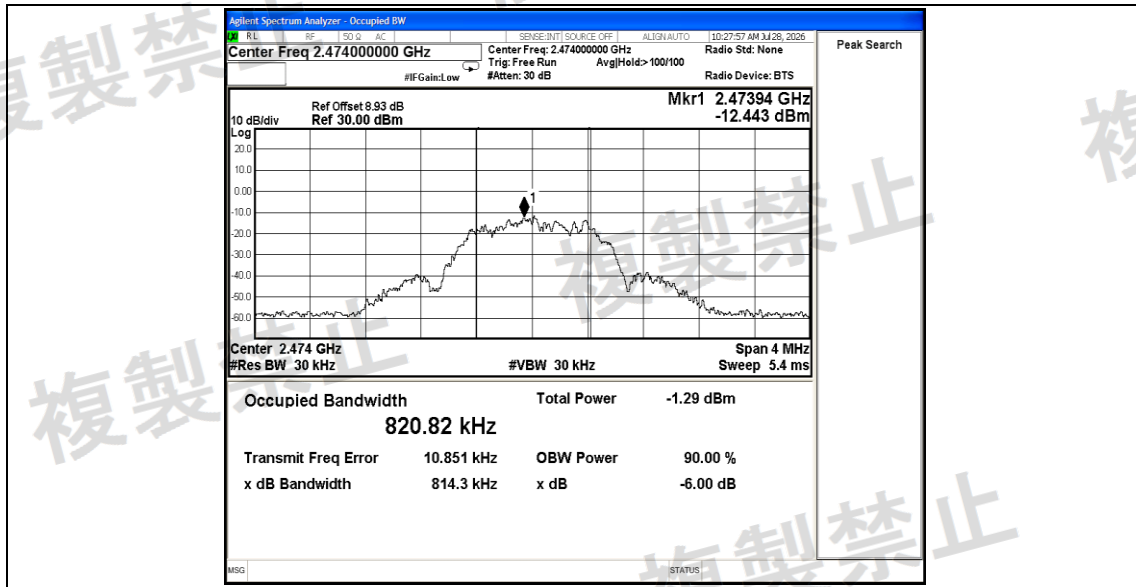
A.4 Spread Bandwidth

Test Result

TestCondition	TestMode	Antenna	Frequency[MHz]	Result [MHz]	Limit [MHz]	Verdict
NTNV	2.4G	Ant1	2449	0.819	---	PASS
			2462	0.808	---	PASS
			2474	0.780	---	PASS

Test Graphs



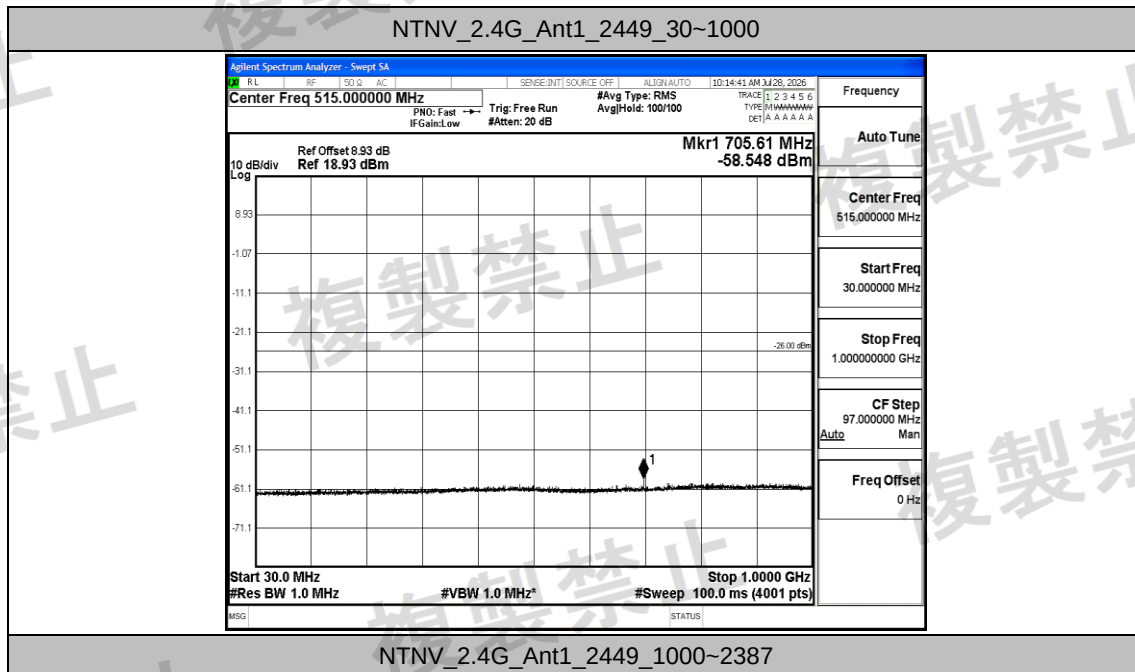


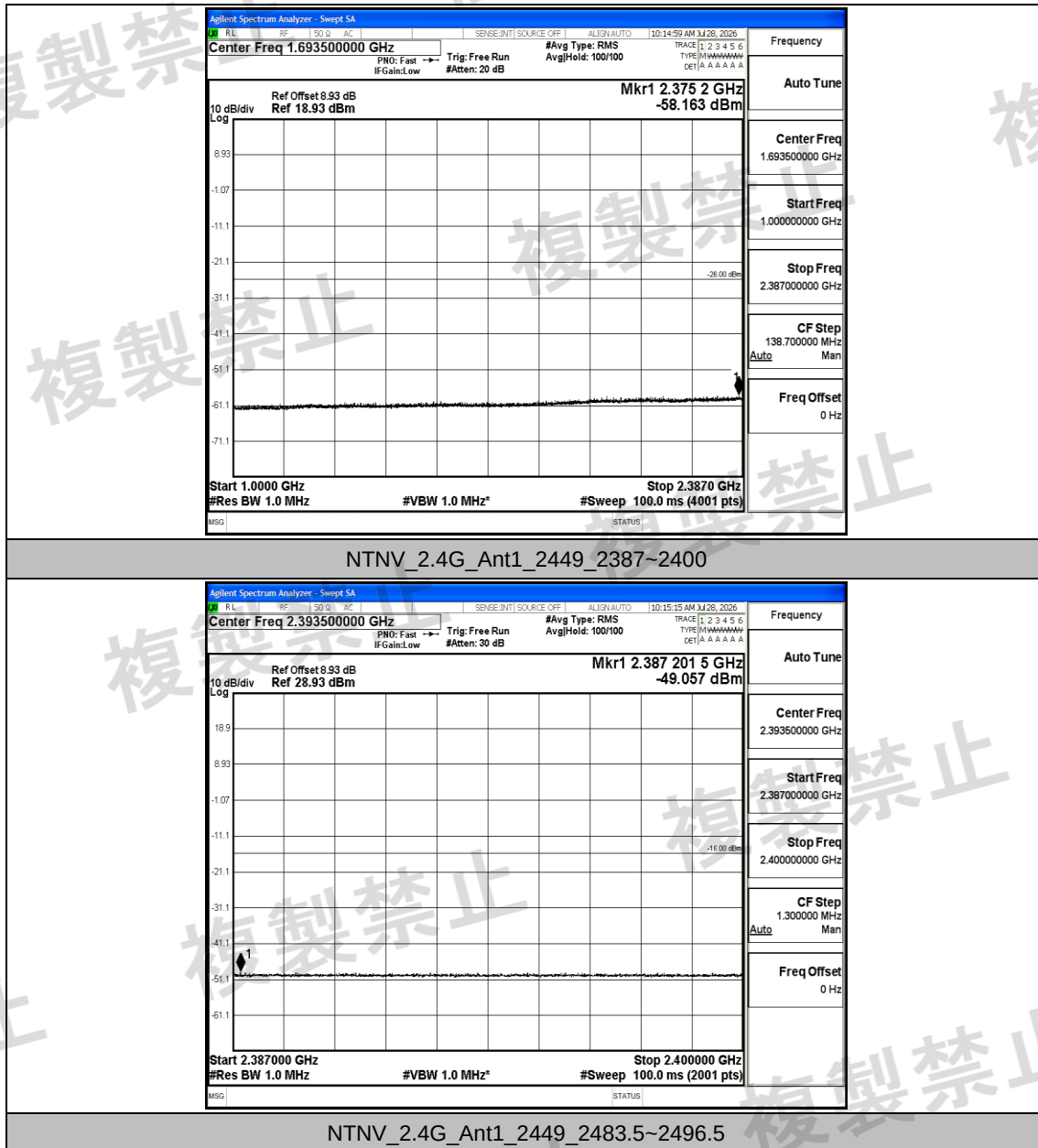
A.5 Spurious Emission of TX

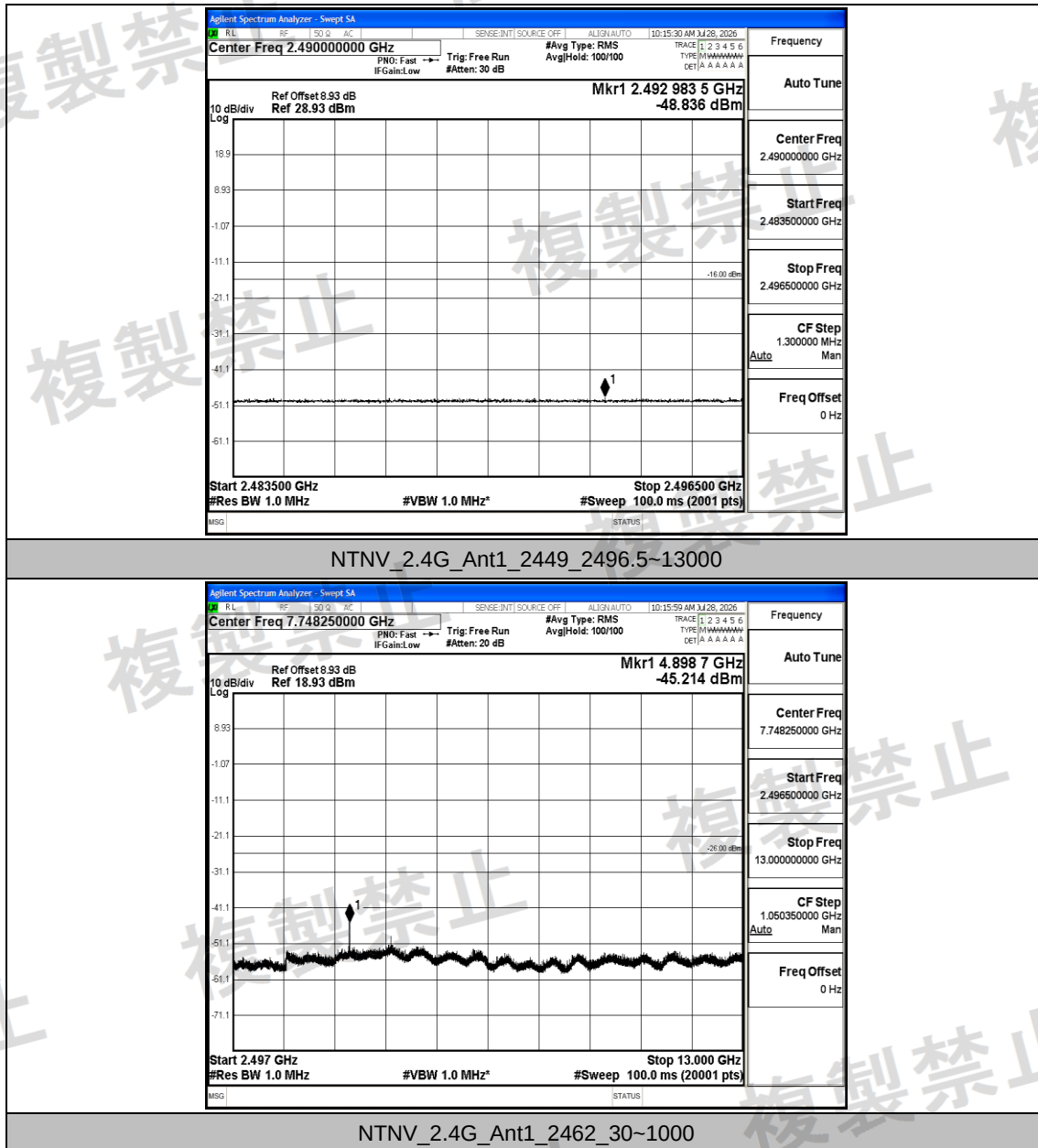
Test Result

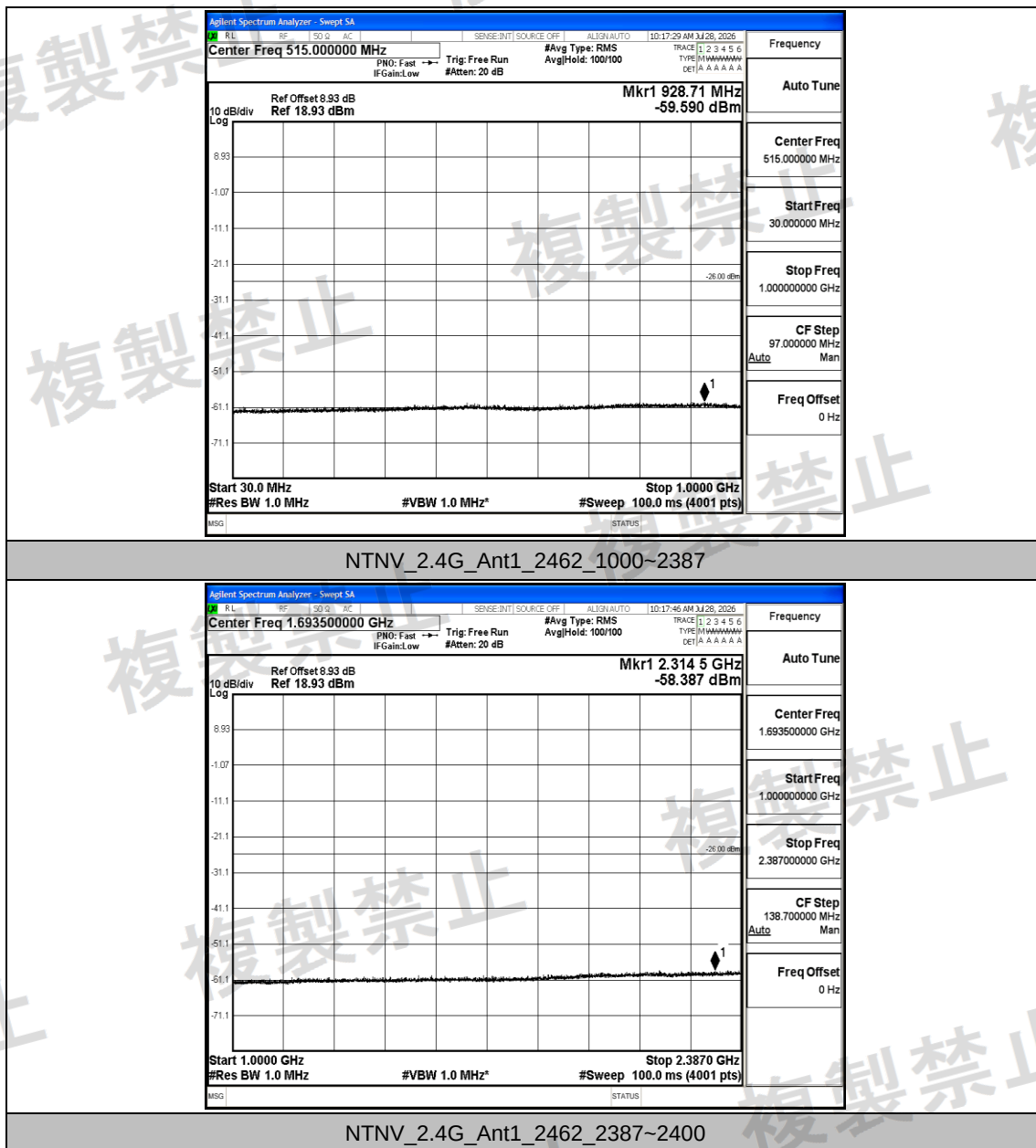
TestCondition	TestMode	Antenna	Frequency[MHz]	Freq.Range [MHz]	Result [dBm]	Limit [dBm]	Result [μW]	Limit [μW]	Verdict
NTNV	2.4G	Ant1	2449	30~1000	-58.55	≤-26	0.00140	≤2.5	PASS
				1000~2387	-58.16	≤-26	0.00153	≤2.5	PASS
				2387~2400	-49.06	≤-16	0.01242	≤25	PASS
				2483.5~2496.5	-48.84	≤-16	0.01306	≤25	PASS
				2496.5~13000	-45.21	≤-26	0.03013	≤2.5	PASS
			2462	30~1000	-59.59	≤-26	0.00110	≤2.5	PASS
				1000~2387	-58.39	≤-26	0.00145	≤2.5	PASS
				2387~2400	-48.98	≤-16	0.01265	≤25	PASS
				2483.5~2496.5	-48.95	≤-16	0.01274	≤25	PASS
				2496.5~13000	-51.21	≤-26	0.00757	≤2.5	PASS
			2474	30~1000	-59.59	≤-26	0.00110	≤2.5	PASS
				1000~2387	-58.39	≤-26	0.00145	≤2.5	PASS
				2387~2400	-48.94	≤-16	0.01276	≤25	PASS
				2483.5~2496.5	-49.03	≤-16	0.01250	≤25	PASS
				2496.5~13000	-43.01	≤-26	0.05000	≤2.5	PASS

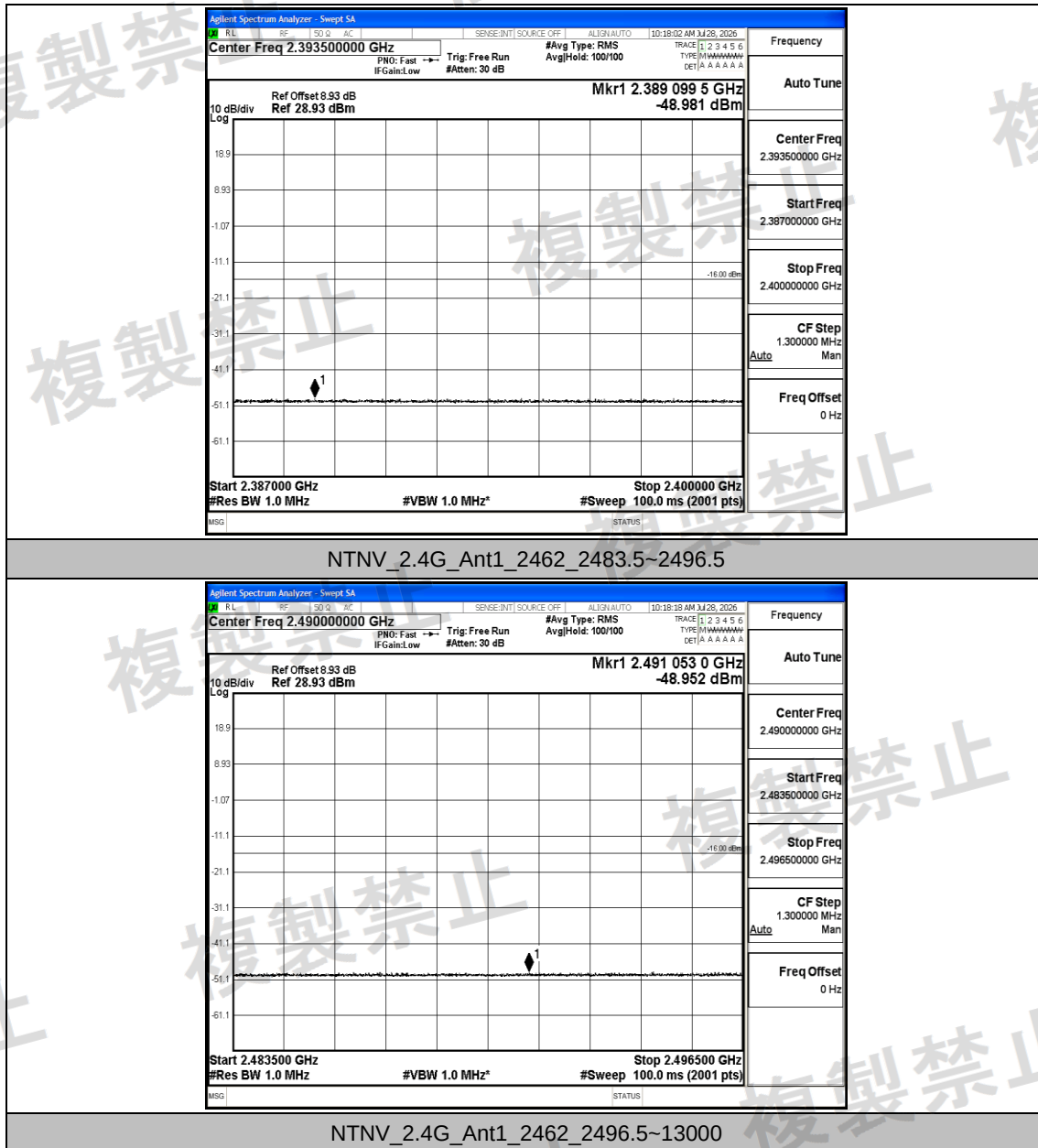
Test Graphs

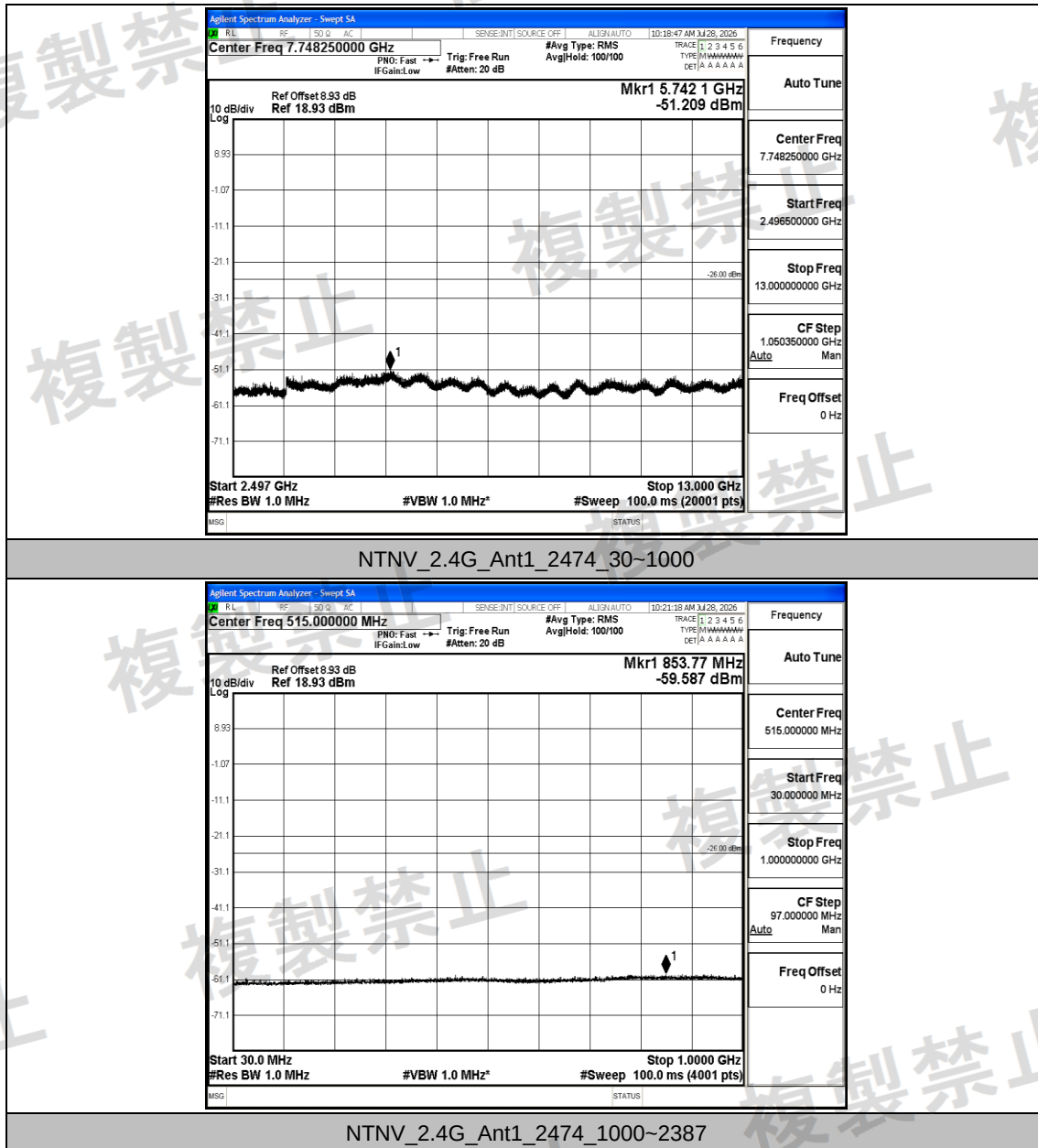


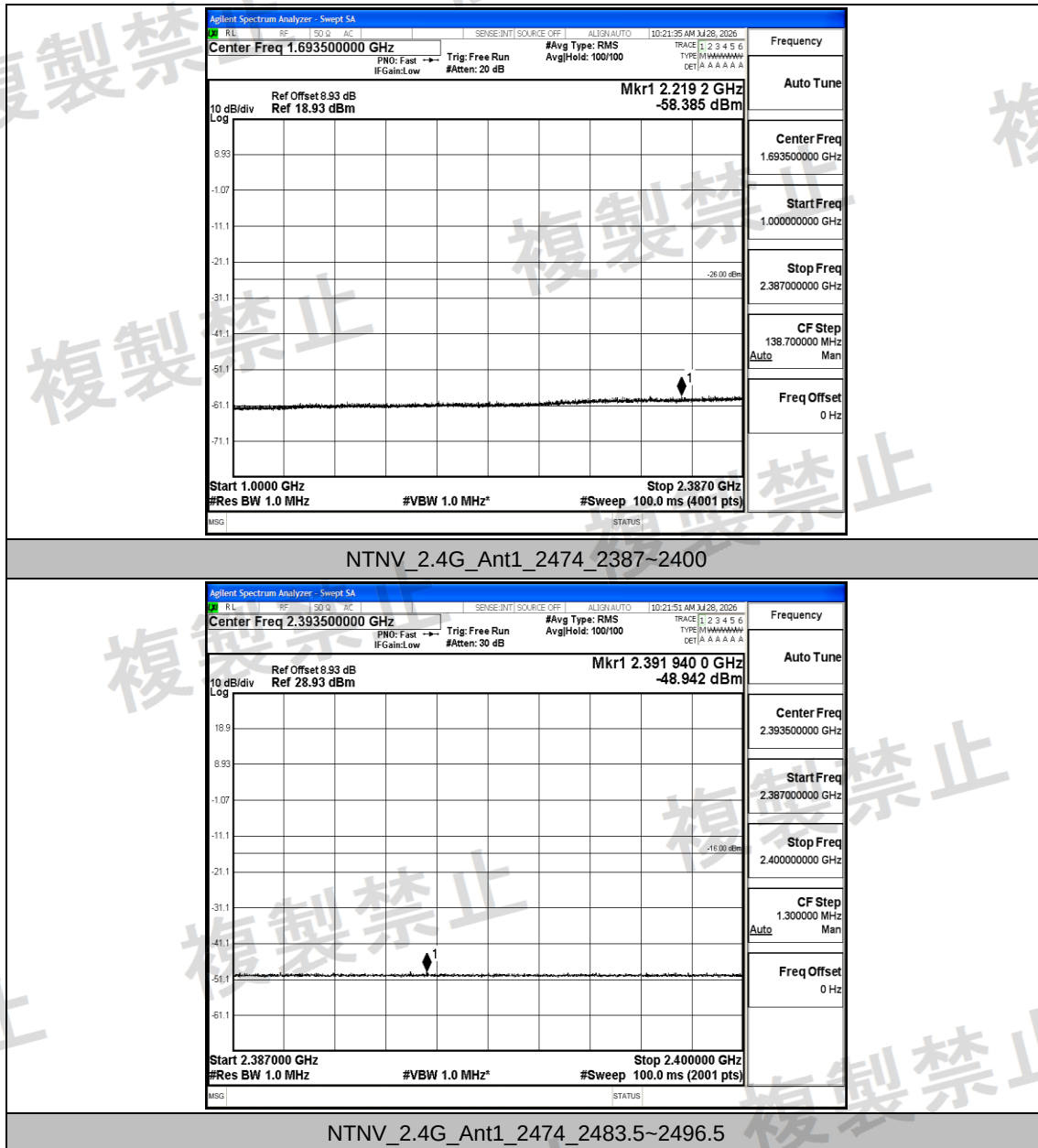


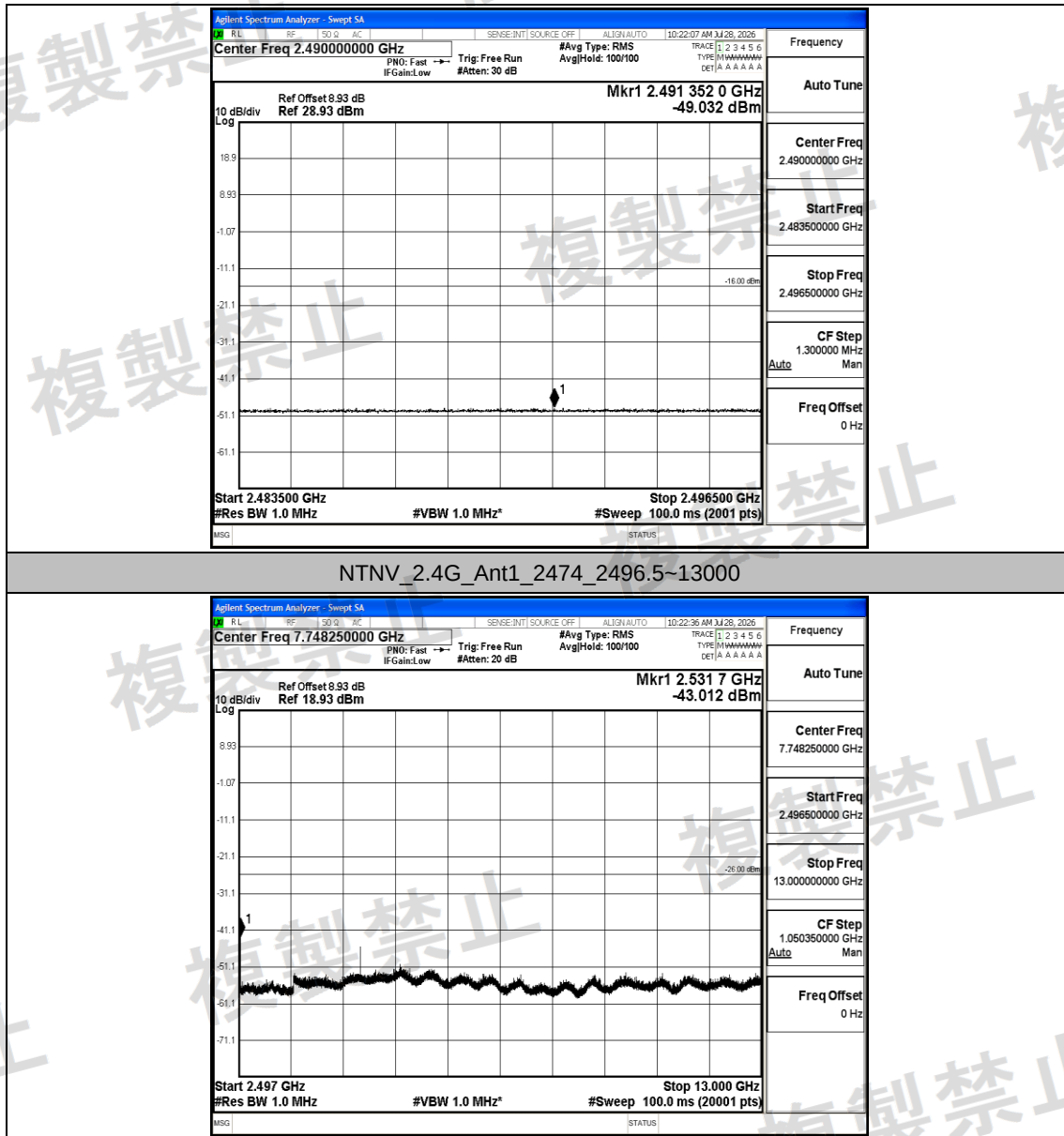












A.6 Spurious Emission of RX

Test Result

TestCondition	TestMode	Antenna	Frequency[MHz]	Freq.Range [MHz]	Result [dBm]	Limit [dBm]	Result [nW]	Limit [nW]	Verdict
NTNV	2.4G	Ant1	2449	30~1000	-89.09	≤-54	0.00123	≤4	PASS
				1000~12500	-66.33	≤-47	0.23281	≤20	PASS
			2462	30~1000	-89.45	≤-54	0.00114	≤4	PASS
				1000~12500	-71.26	≤-47	0.07482	≤20	PASS
			2474	30~1000	-89.37	≤-54	0.00116	≤4	PASS
				1000~12500	-66.69	≤-47	0.21429	≤20	PASS

Test Graphs

