

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:	Zhang Hai
Supervised by:	Yan Chen

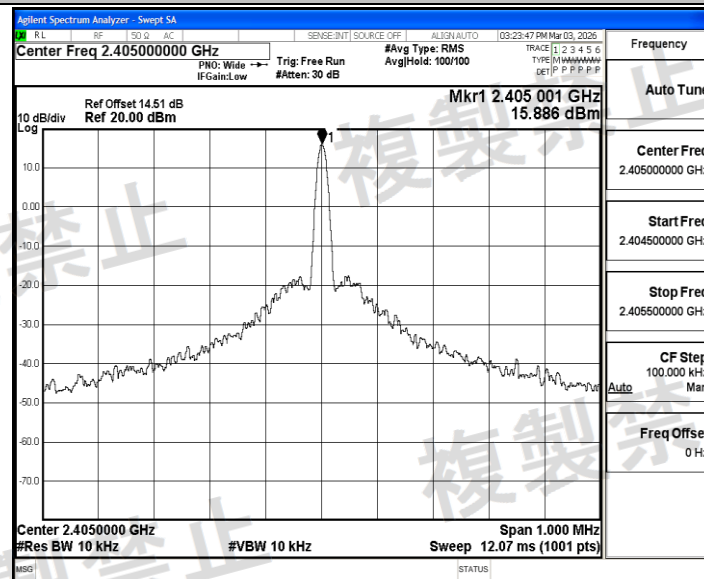
A.1 Frequency_Error

Test Result

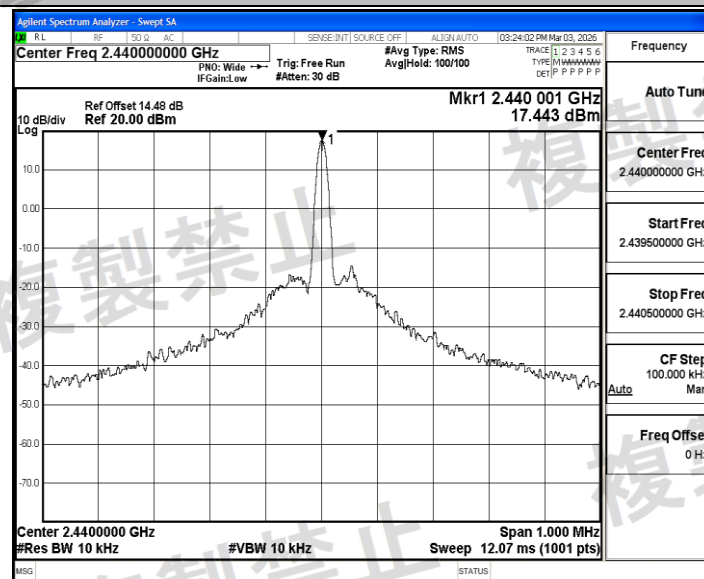
TestCondition	TestMode	Antenna	Frequency[MHz]	Result[ppm]	Limit[ppm]	Verdict
NTNV	Frequency_Error	Ant1	2405	0.41580	±50	PASS
			2440	0.40984	±50	PASS
			2475	0.40404	±50	PASS

Test Graphs

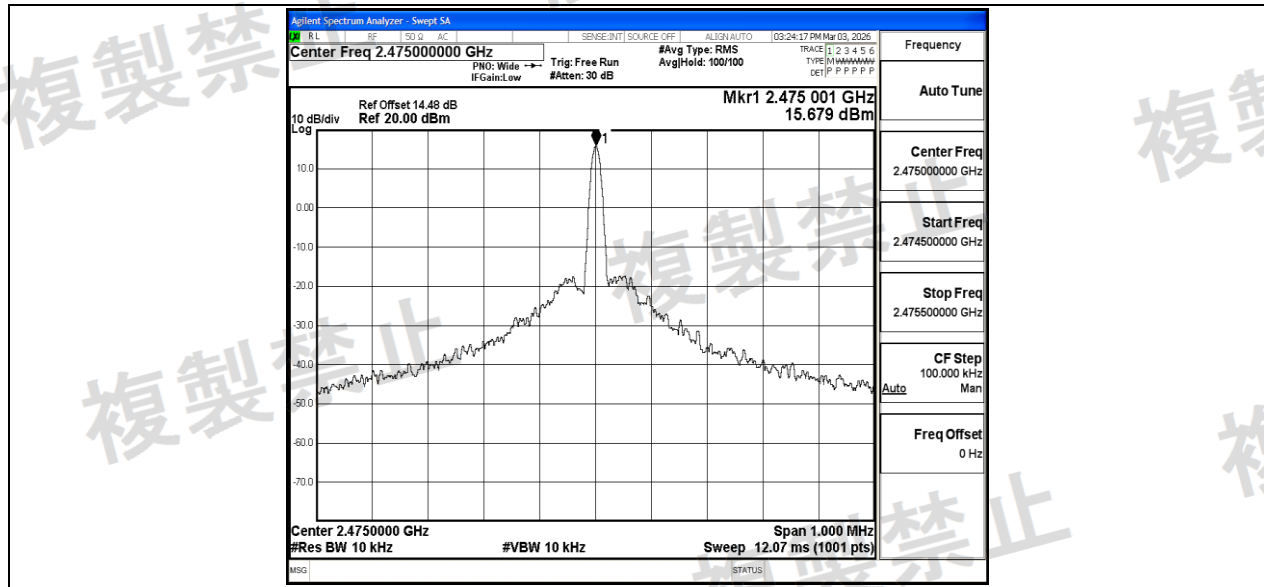
NTNV_Ant1_2405



NTNV_Ant1_2440



NTNV_Ant1_2475



A.2 Antenna Power

Test Result

Antenna Power							
TestCondition	TestMode	Antenna	Frequency[MHz]	Result(dBm)	Result(mW)	Limit(mW)	Verdict
NTNV	2.4G	Ant	2405	2.36	1.7219	≤10	PASS
			2440	1.82	1.5205	≤10	PASS
			2475	2.11	1.6255	≤10	PASS

Tolerance								
Test Condition	Test Mode	Antenna	Frequency[MHz]	Power (mW)	RatedPower (mW)	Result (%)	Limit (%)	Verdict
NTNV	2.4G	Ant	2405	1.7219	2	-13.91	+20	PASS
			2440	1.5205	2	-23.98	+20	PASS
			2475	1.6255	2	-18.73	+20	PASS

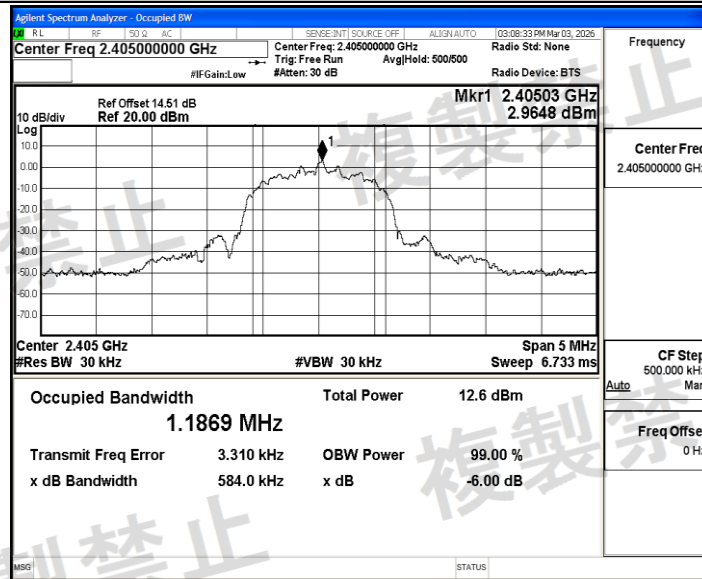
A.3 Occupied Bandwidth

Test Result

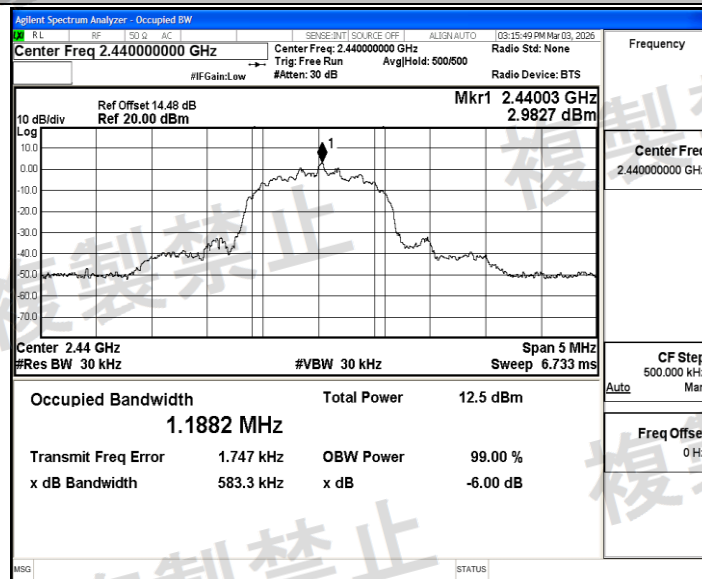
TestCondition	TestMode	Antenna	Frequency[MHz]	Result [MHz]	Limit [MHz]	Verdict
NTNV	DH5	Ant1	2405	1.187	≤26	PASS
			2440	1.188	≤26	PASS
			2475	1.186	≤26	PASS

Test Graphs

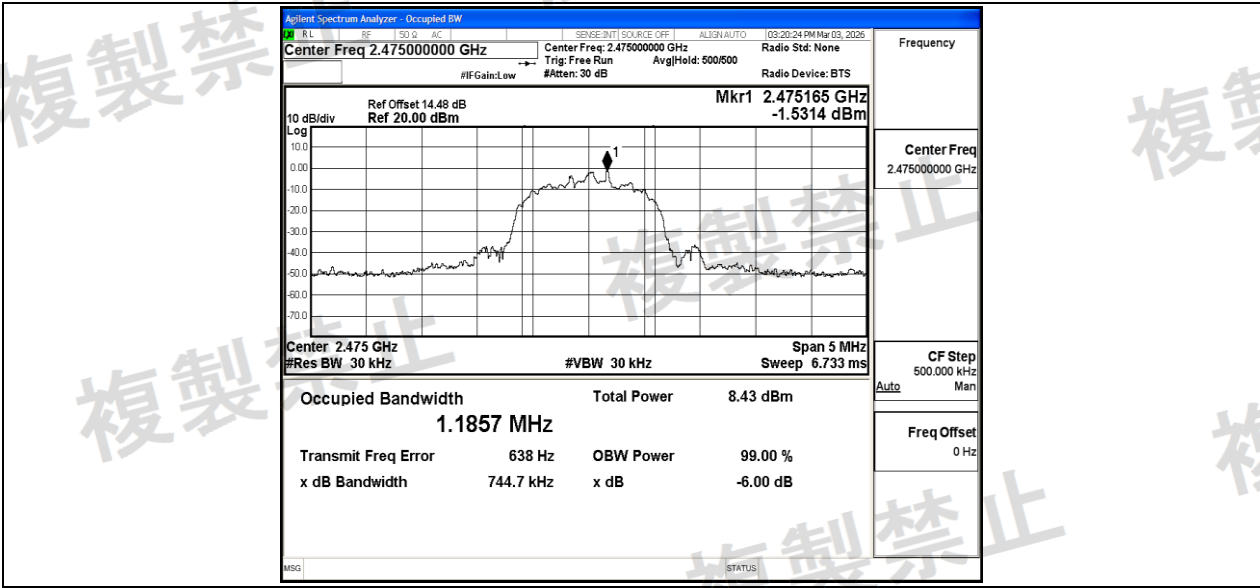
NTNV_DH5_Ant1_2405



NTNV_DH5_Ant1_2440



NTNV_DH5_Ant1_2475



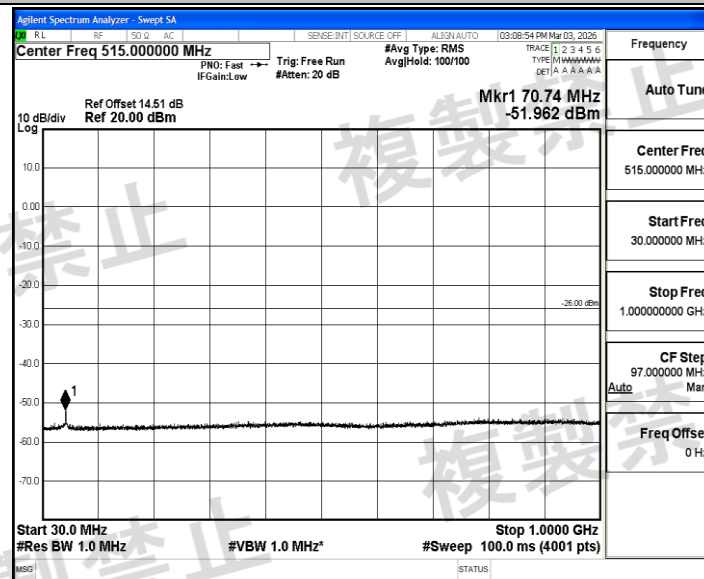
A.4 Spurious Emission of TX

Test Result

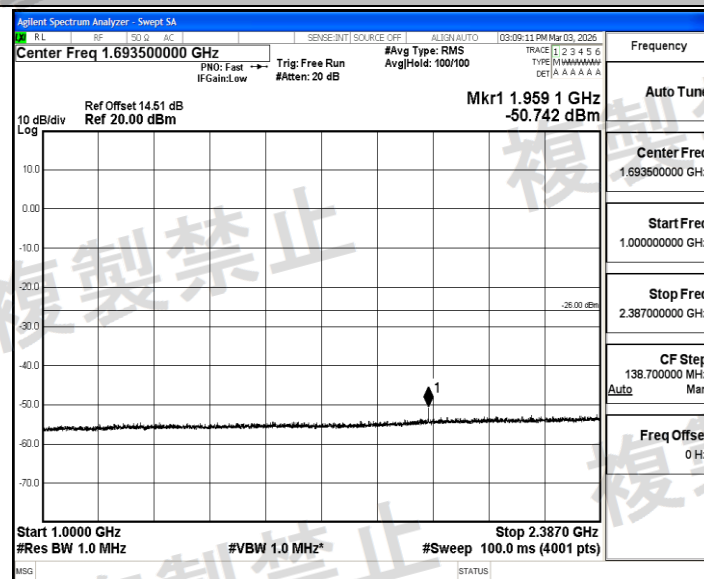
TestCondition	TestMode	Antenna	Frequency[MHz]	Freq.Range [MHz]	Result [dBm]	Limit [dBm]	Result [μW]	Limit [μW]	Verdict
NTNV	DH5	Ant1	2405	30~1000	-51.96	≤-26	0.00637	≤2.5	PASS
				1000~2387	-50.74	≤-26	0.00843	≤2.5	PASS
				2387~2400	-43.41	≤-16	0.04560	≤25	PASS
				2483.5~2496.5	-43.26	≤-16	0.04721	≤25	PASS
				2496.5~13000	-45.94	≤-26	0.02547	≤2.5	PASS
			2440	30~1000	-34.40	≤-26	0.36308	≤2.5	PASS
				1000~2387	-49.18	≤-26	0.01208	≤2.5	PASS
				2387~2400	-43.40	≤-16	0.04571	≤25	PASS
				2483.5~2496.5	-43.25	≤-16	0.04732	≤25	PASS
				2496.5~13000	-45.50	≤-26	0.02818	≤2.5	PASS
			2475	30~1000	-49.92	≤-26	0.01019	≤2.5	PASS
				1000~2387	-44.53	≤-26	0.03524	≤2.5	PASS
				2387~2400	-43.52	≤-16	0.04446	≤25	PASS
				2483.5~2496.5	-43.31	≤-16	0.04667	≤25	PASS
				2496.5~13000	-45.42	≤-26	0.02871	≤2.5	PASS

Test Graphs

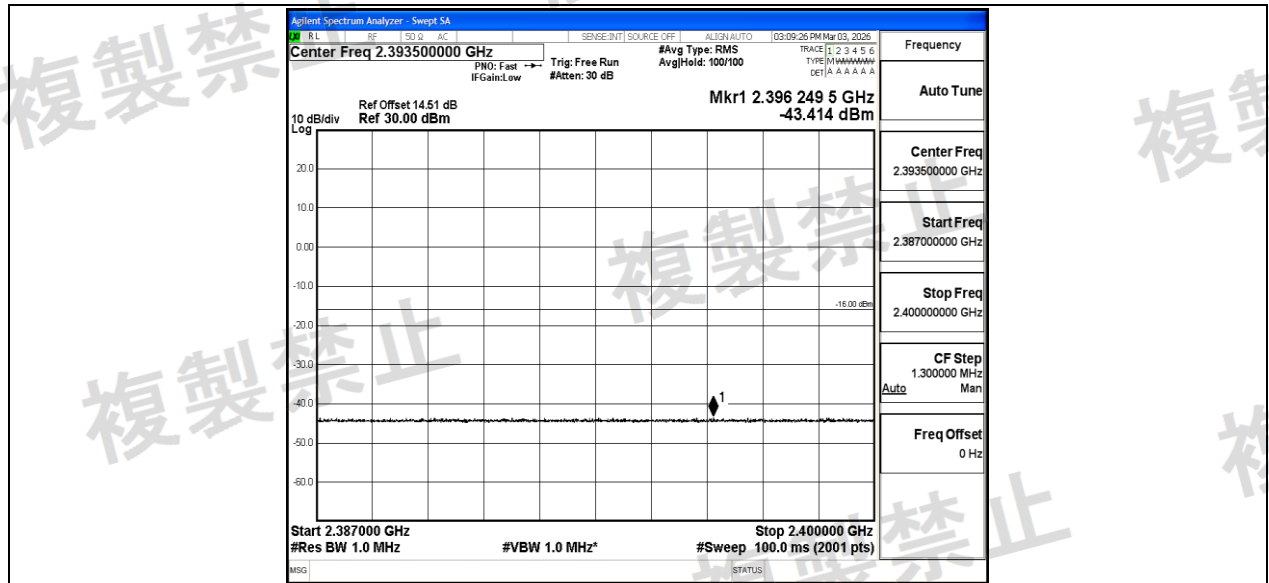
NTNV_DH5_Ant1_2405_30~1000



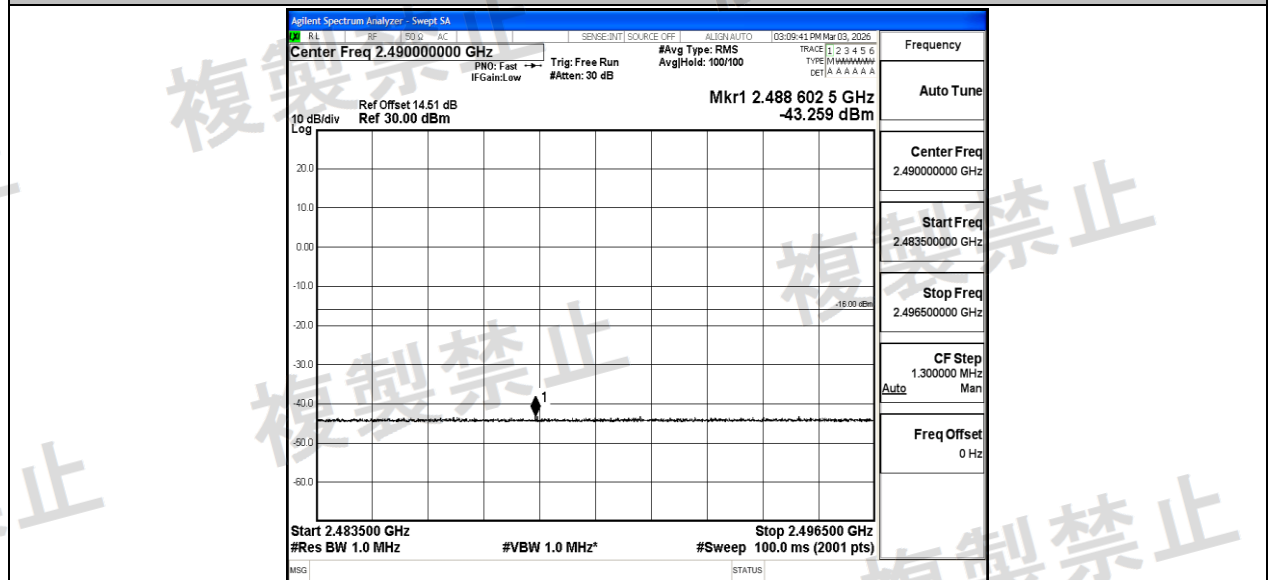
NTNV_DH5_Ant1_2405_1000~2387



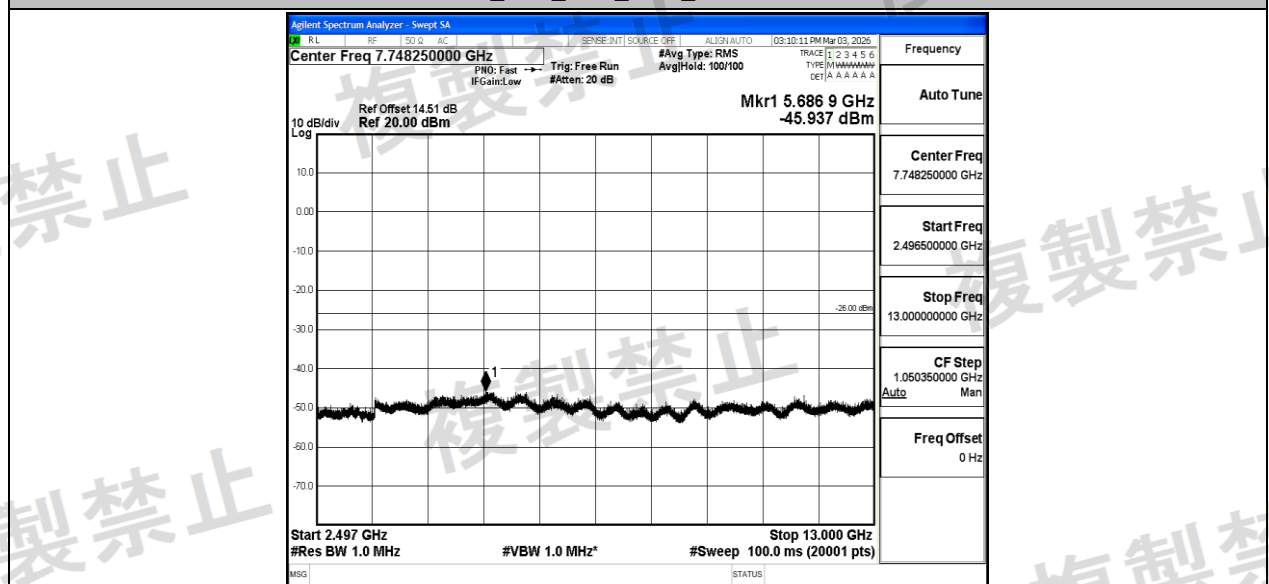
NTNV_DH5_Ant1_2405_2387~2400



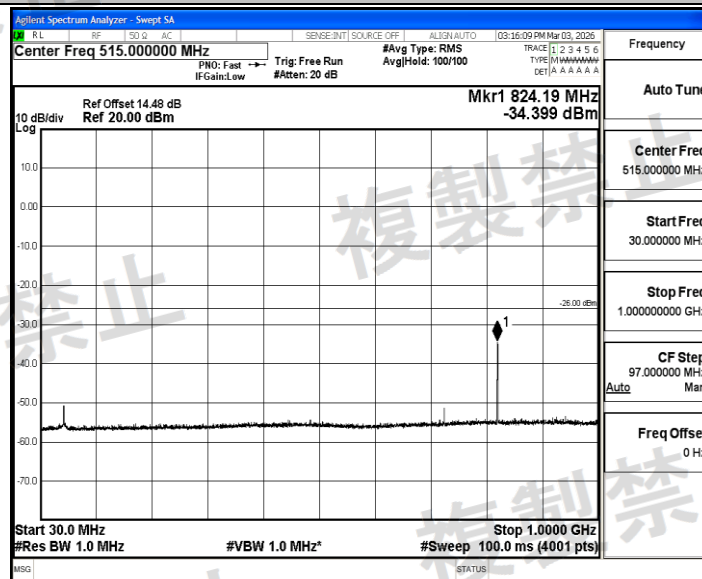
NTNV_DH5_Ant1_2405_2483.5~2496.5



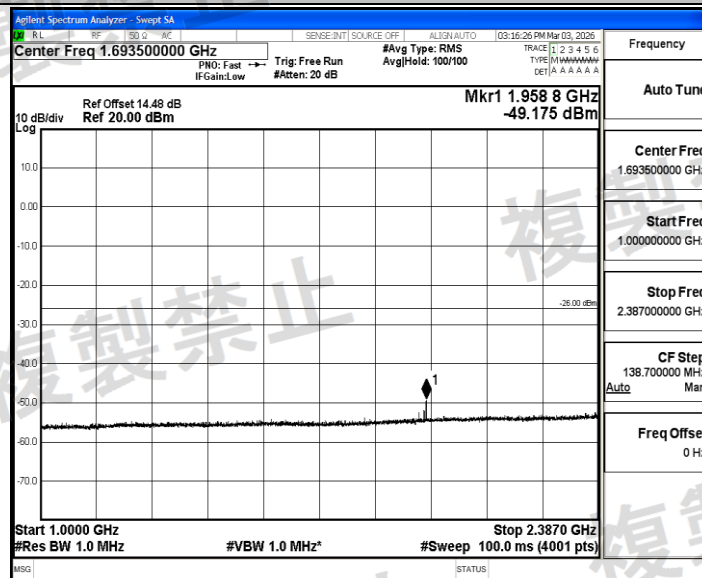
NTNV_DH5_Ant1_2405_2496.5~13000



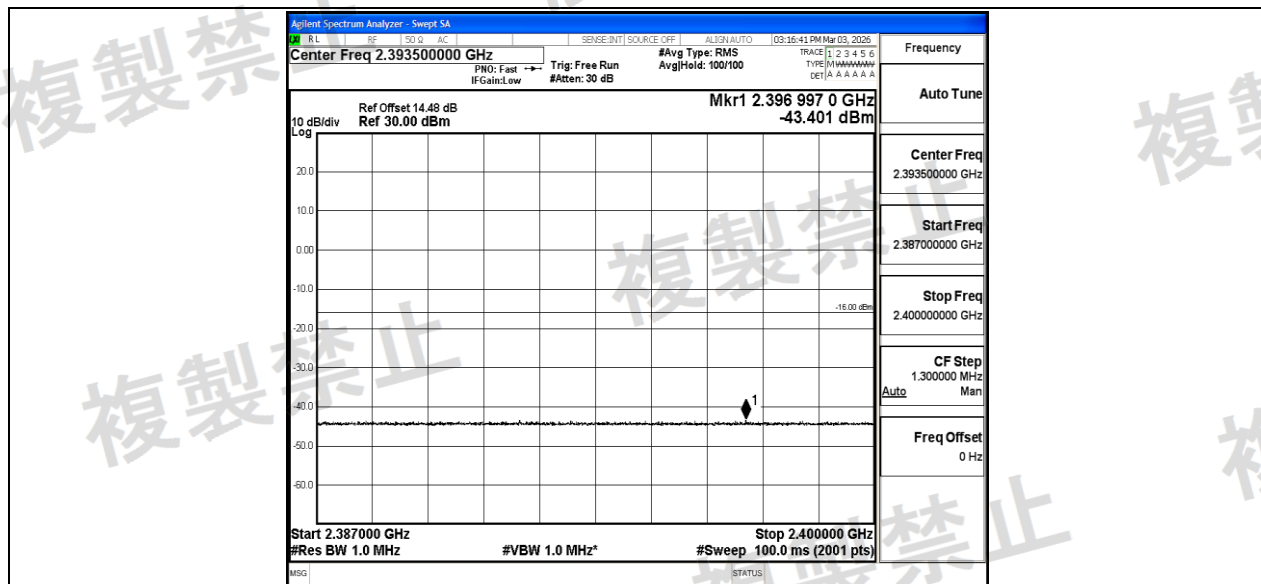
NTNV_DH5_Ant1_2440_30~1000



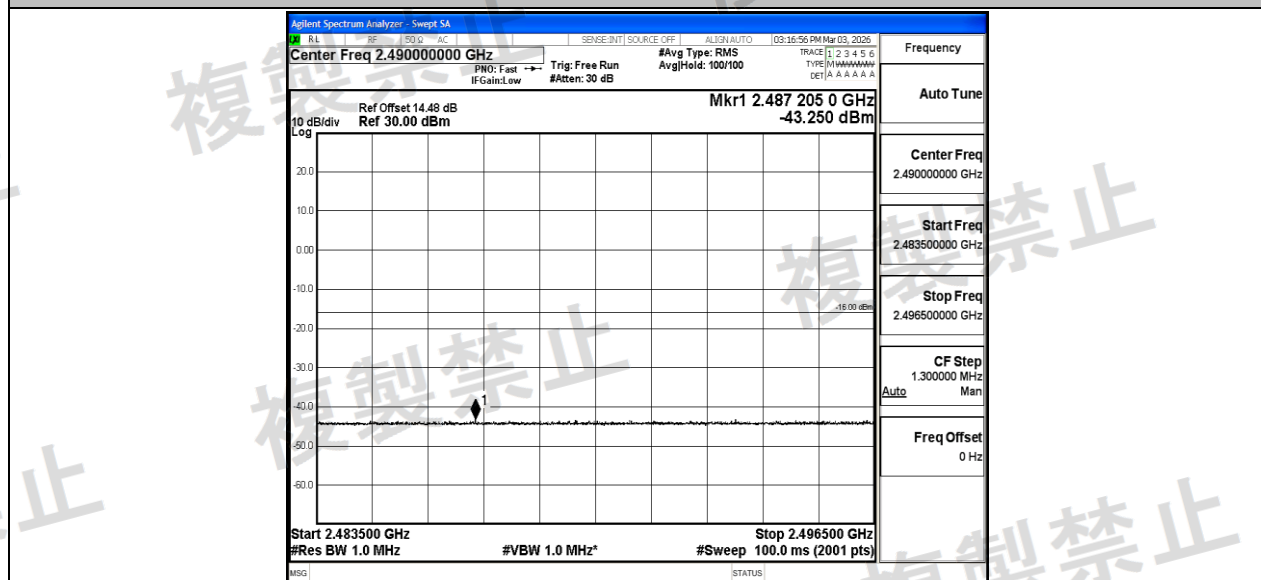
NTNV_DH5_Ant1_2440_1000~2387



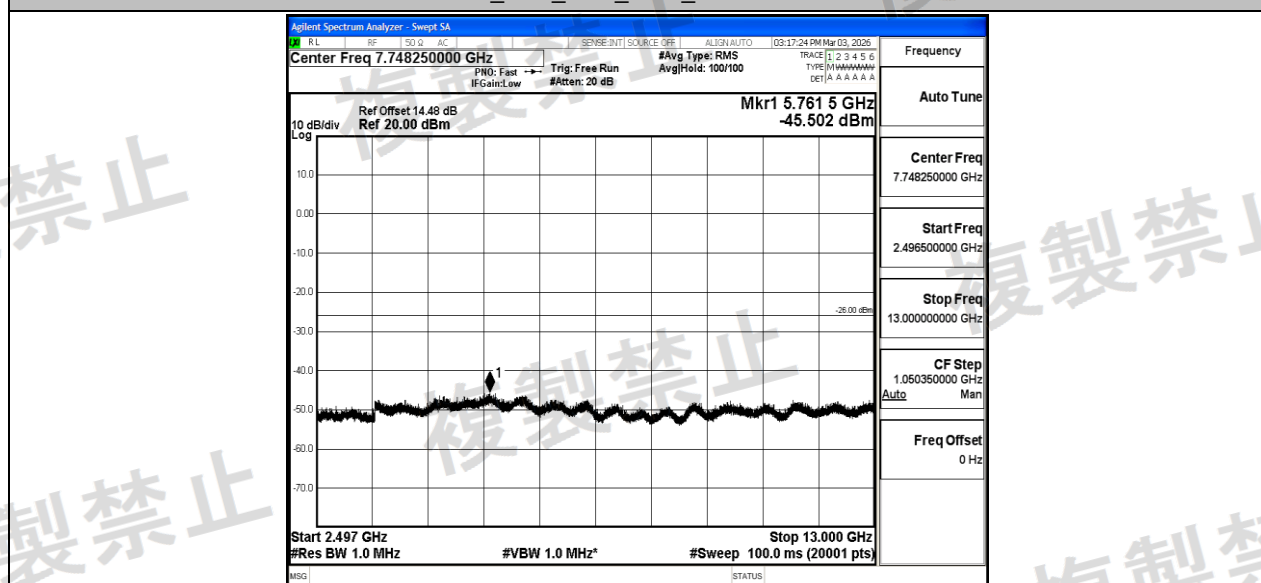
NTNV_DH5_Ant1_2440_2387~2400



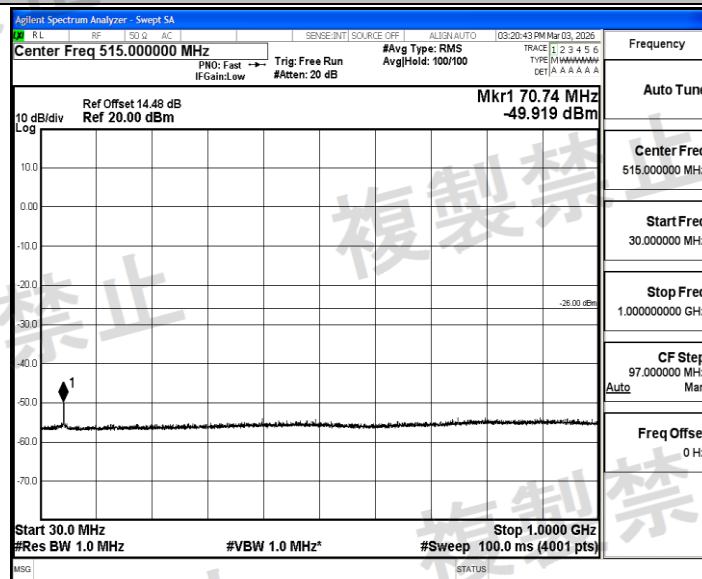
NTNV_DH5_Ant1_2440_2483.5~2496.5



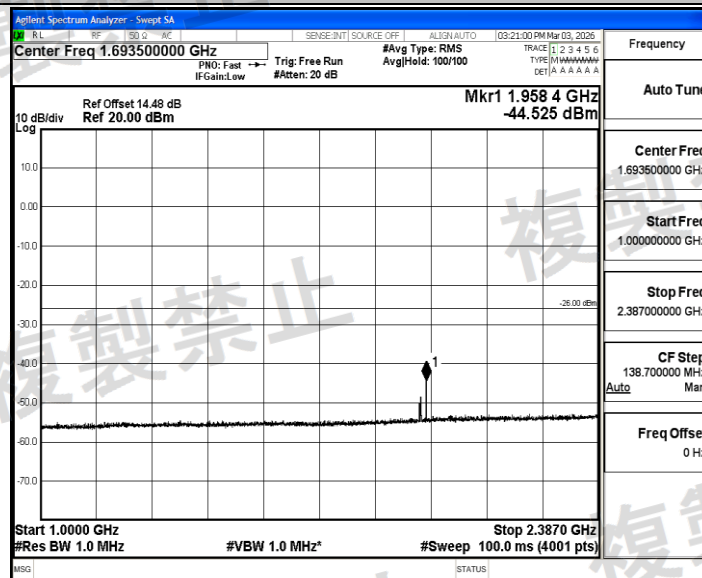
NTNV_DH5_Ant1_2440_2496.5~13000



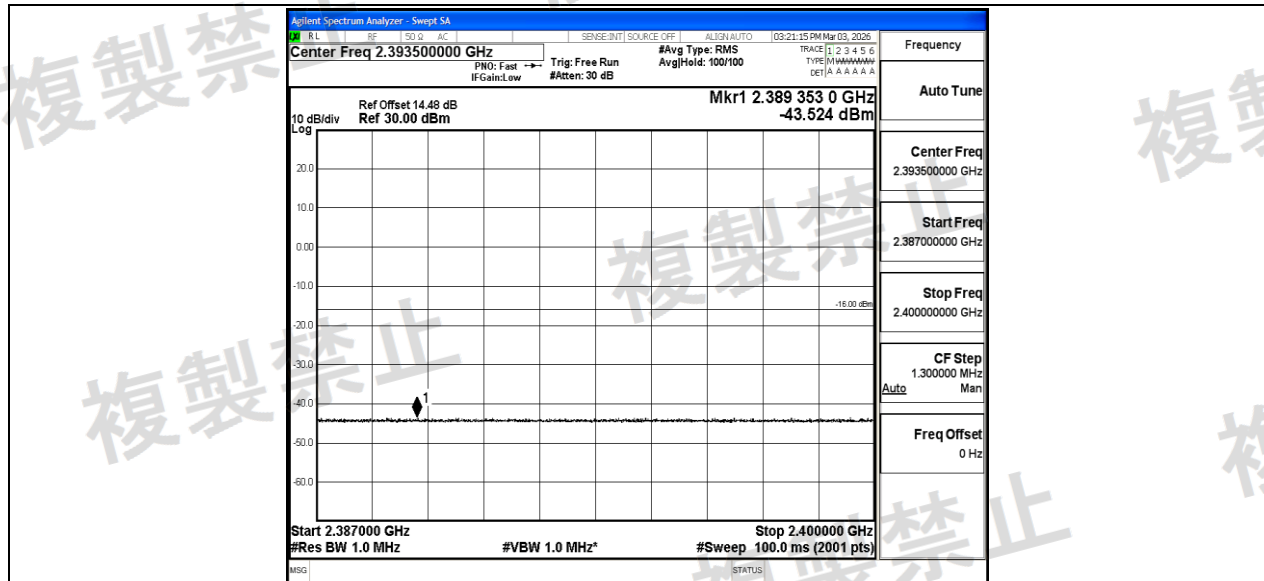
NTNV_DH5_Ant1_2475_30~1000



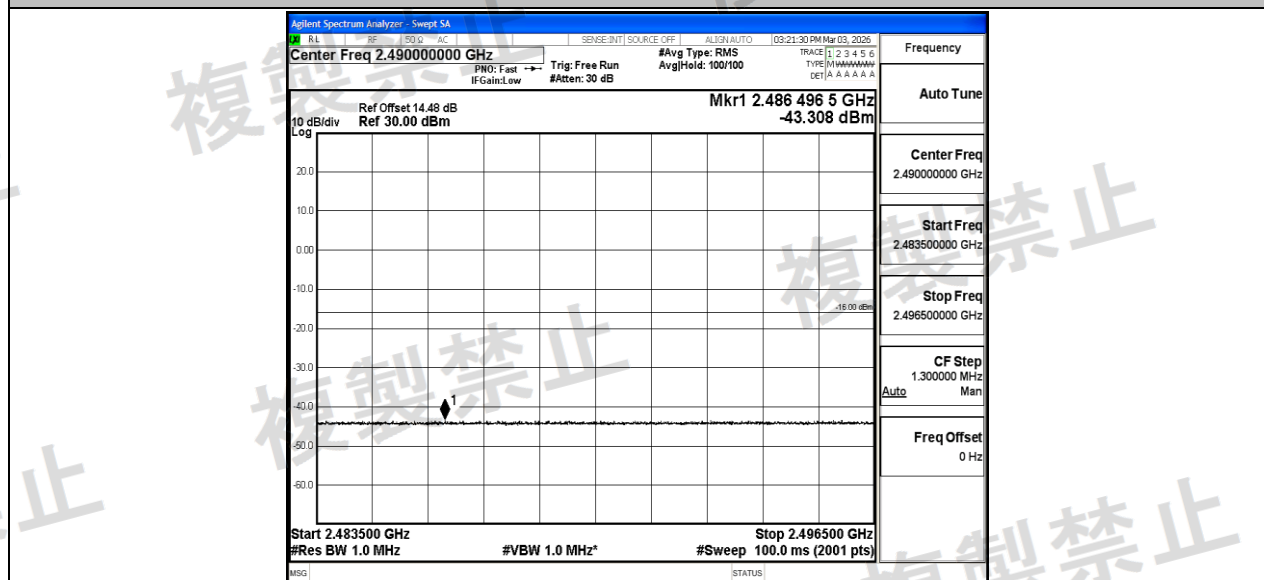
NTNV_DH5_Ant1_2475_1000~2387



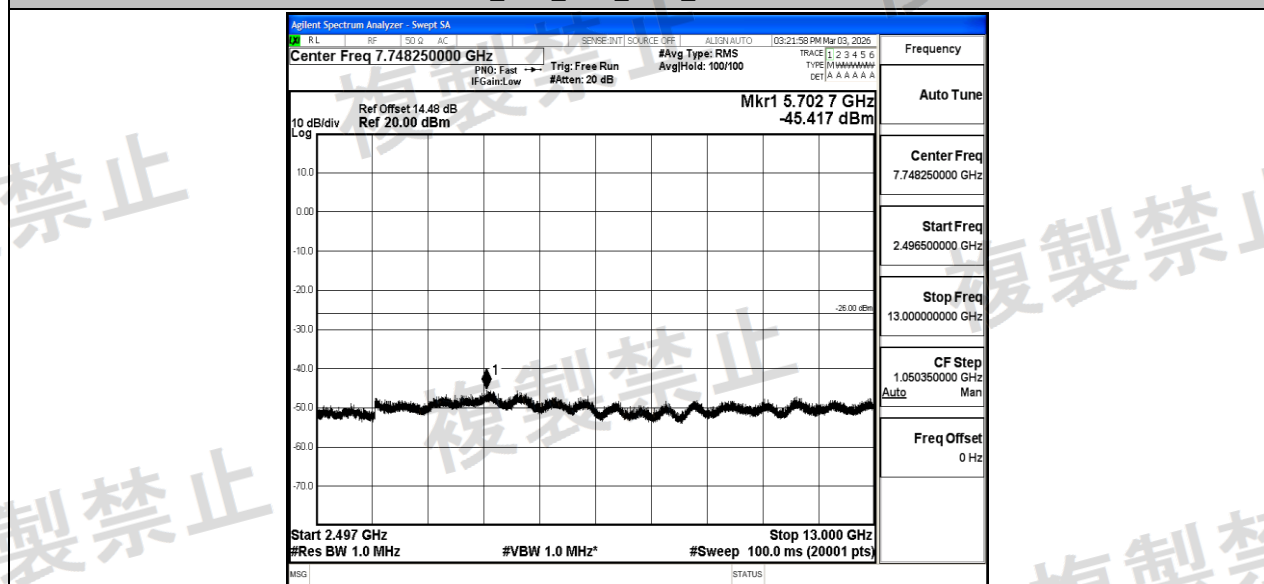
NTNV_DH5_Ant1_2475_2387~2400



NTNV_DH5_Ant1_2475_2483.5~2496.5



NTNV_DH5_Ant1_2475_2496.5~13000



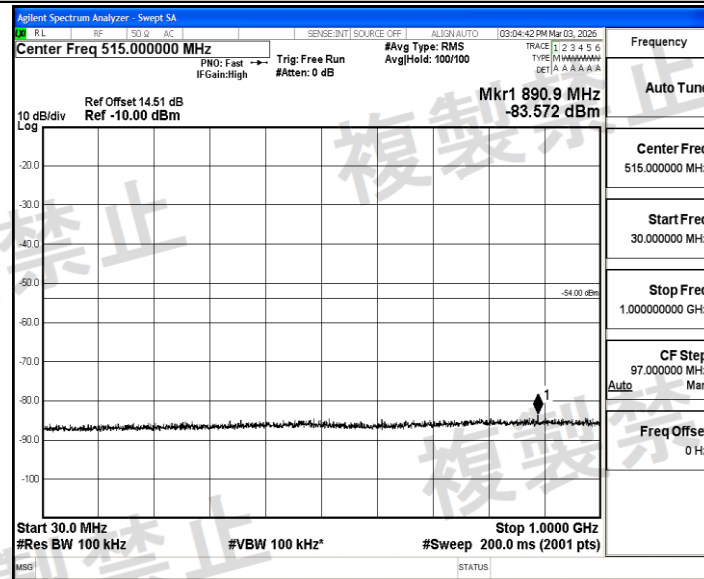
A.5 Spurious Emission of RX

Test Result

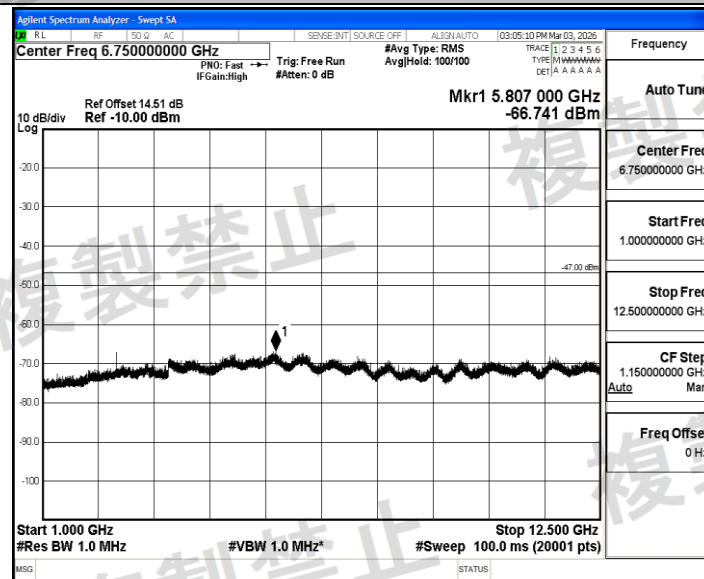
TestCondition	TestMode	Antenna	Frequency[MHz]	Freq.Range [MHz]	Result [dBm]	Limit [dBm]	Result [nW]	Limit [nW]	Verdict
NTNV	DH5	Ant1	2405	30~1000	-83.57	≤-54	0.00440	≤4	PASS
				1000~12500	-66.74	≤-47	0.21184	≤20	PASS
			2440	30~1000	-84.08	≤-54	0.00391	≤4	PASS
				1000~12500	-67.28	≤-47	0.18707	≤20	PASS
			2475	30~1000	-84.35	≤-54	0.00367	≤4	PASS
				1000~12500	-66.66	≤-47	0.21577	≤20	PASS

Test Graphs

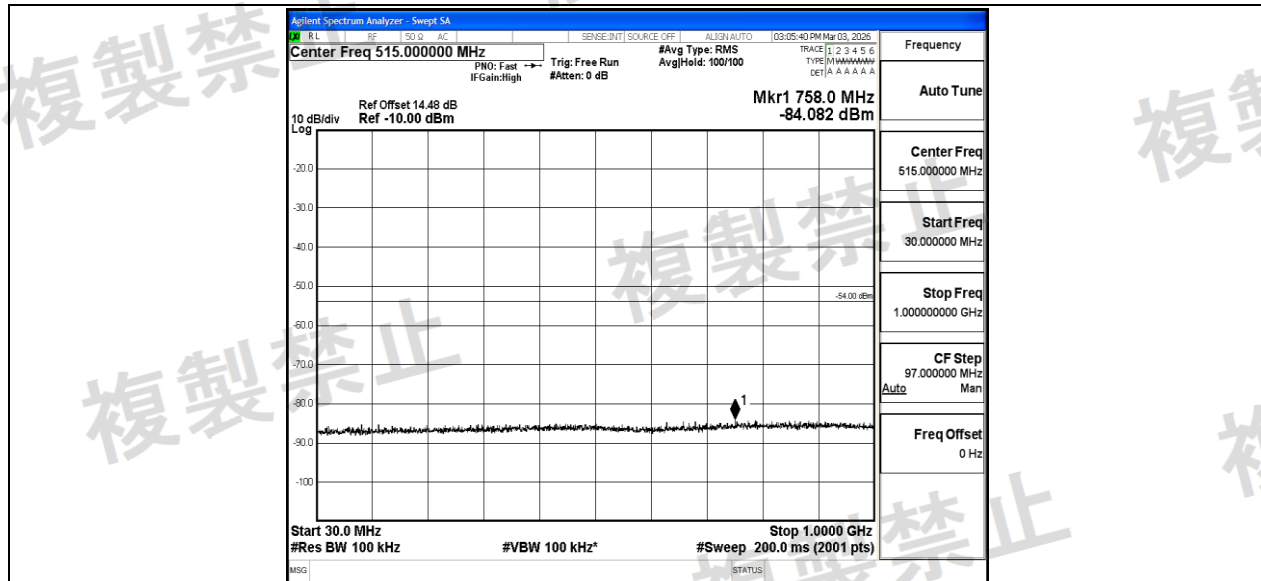
NTNV_DH5_Ant1_2405_30~1000



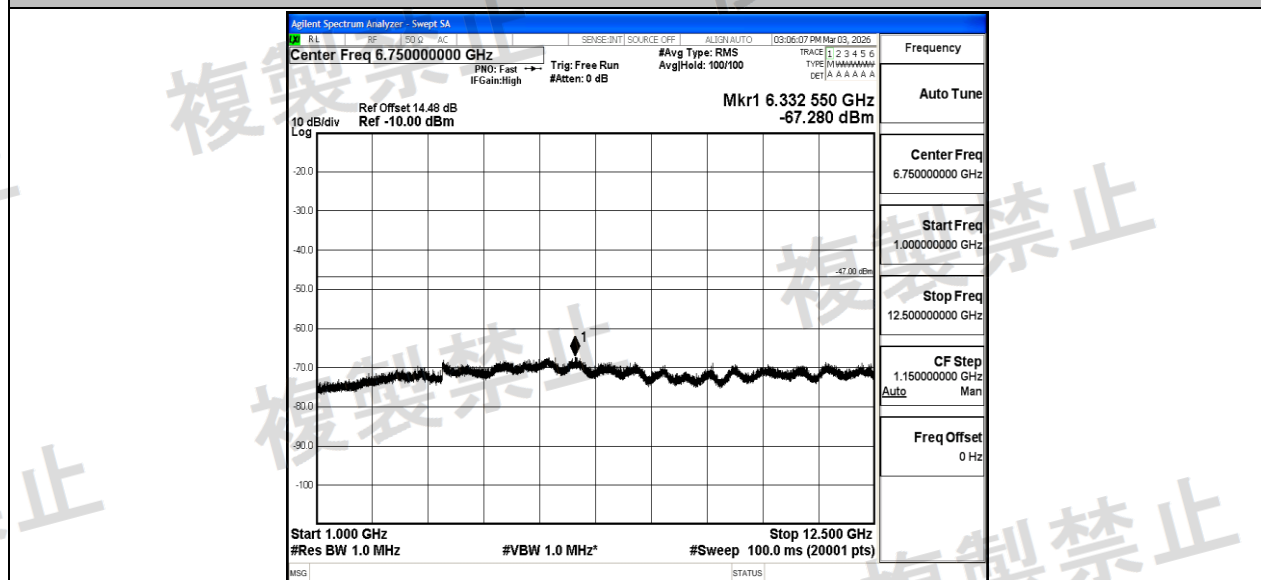
NTNV_DH5_Ant1_2405_1000~12500



NTNV_DH5_Ant1_2440_30~1000



NTNV_DH5_Ant1_2440_1000~12500



NTNV_DH5_Ant1_2475_30~1000

