

Appendix RF Test Data for 2.4G WIFI

Product Name: Tablet PC

Test Model: M10

Environmental Conditions

Temperature:	23.5°C
Relative Humidity:	52.3%
ATM Pressure:	100.0 kPa
Test Engineer:	Zoey Cao
Supervised by:	Eric Wang



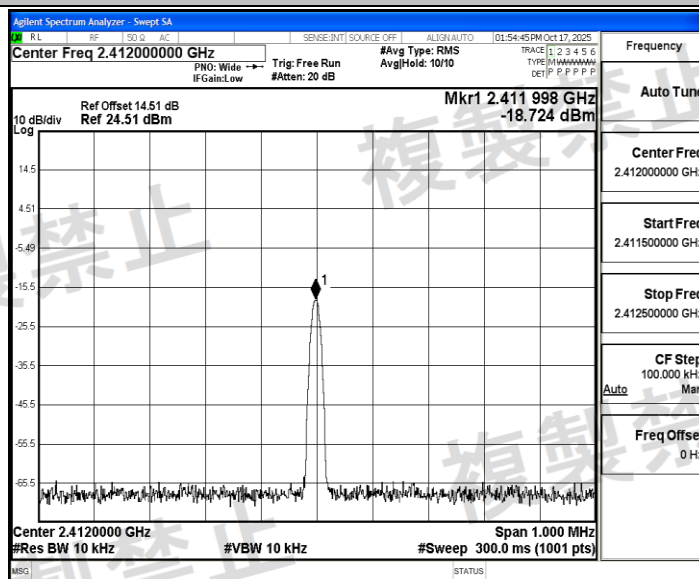
Frequency Error

Test Result

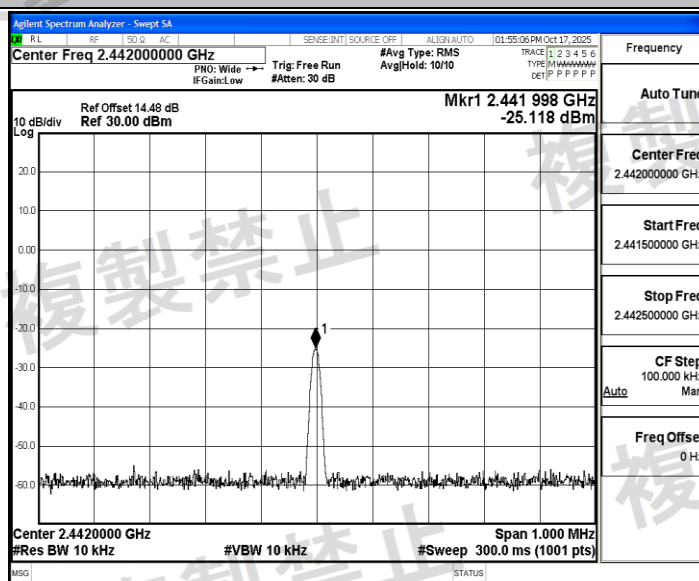
TestCondition	TestMode	Antenna	Frequency [MHz]	Result[ppm]	Limit[ppm]	Verdict
NTNV	Frequency Error	Ant1	2412	-0.82919	±50	PASS
			2442	-0.81900	±50	PASS
			2472	-0.80906	±50	PASS
		Ant1	2422	-0.82576	±50	PASS
			2462	-1.21852	±50	PASS

Test Graphs

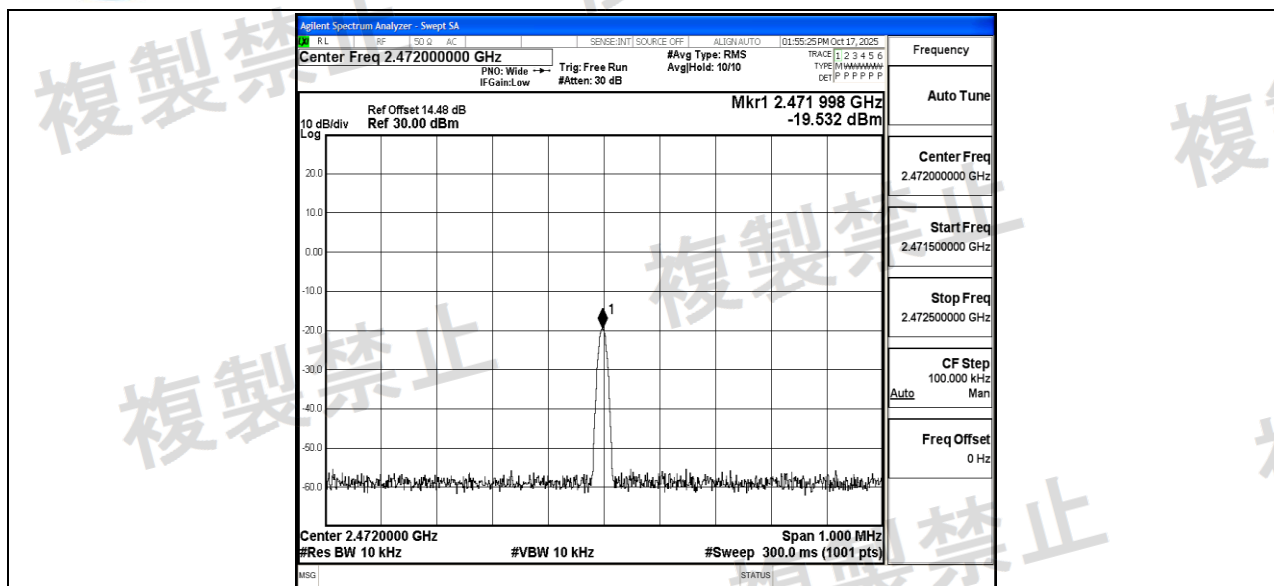
NTNV_Ant1_2412



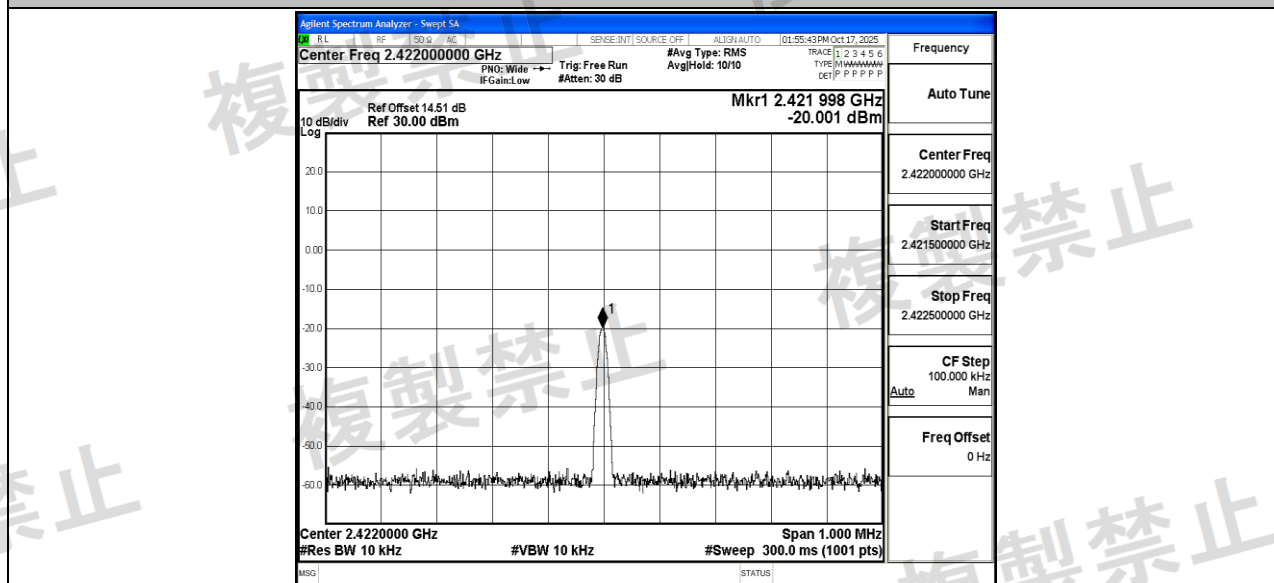
NTNV_Ant1_2442



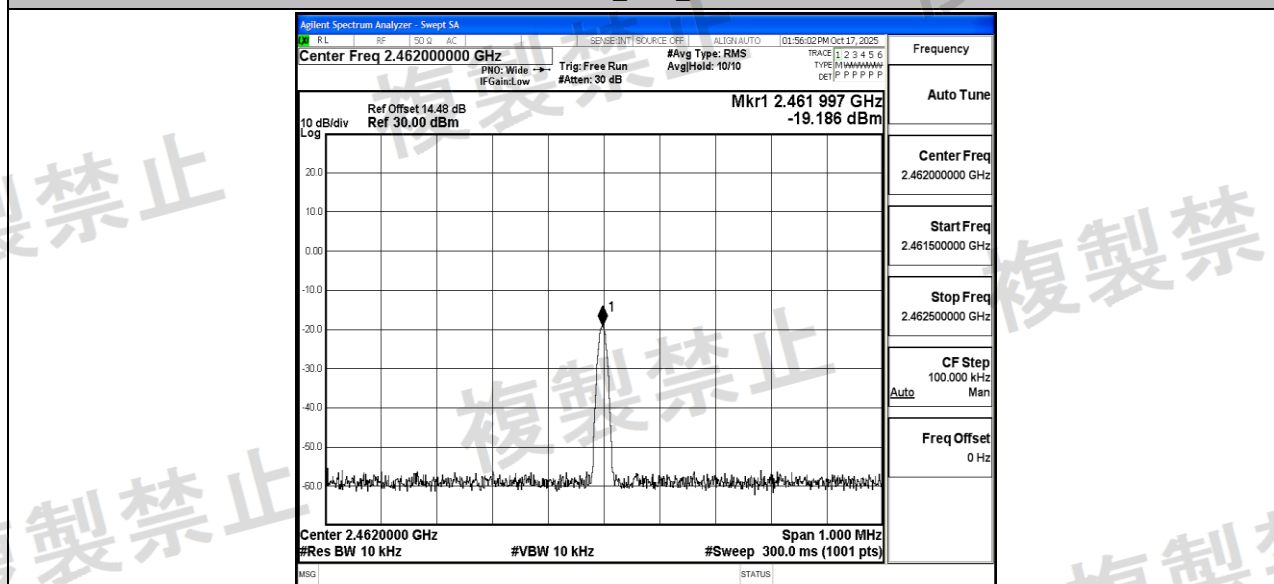
NTNV_Ant1_2472



NTVN_Ant1_2422



NTVN_Ant1_2462



Antenna Power

Test Result

Antenna Power							
TestCondition	TestMode	Antenna	Frequency [MHz]	Result (dBm/MHz)	Result (mW/MHz)	Limit (mW/MHz)	Verdict
NTNV	11B	Ant1	2412	7.75	5.9566	≤10	PASS
			2442	7.86	6.1094	≤10	PASS
			2472	7.78	5.9979	≤10	PASS
	11G	Ant1	2412	7.85	6.0954	≤10	PASS
			2442	7.61	5.7677	≤10	PASS
			2472	7.39	5.4828	≤10	PASS
	11N20SISO	Ant1	2412	7.12	5.1523	≤10	PASS
			2442	6.97	4.9774	≤10	PASS
			2472	7.20	5.2481	≤10	PASS
	11N40SISO	Ant1	2422	5.01	3.1696	≤5	PASS
			2442	5.02	3.1769	≤5	PASS
			2462	4.78	3.0061	≤5	PASS

Tolerance								
Test Condition	Test Mode	Antenna	Frequency [MHz]	Power (mW/MHz)	RatedPower (mW/MHz)	Result (%)	Limit (%)	Verdict
NTNV	11B	Ant1	2412	5.9566	6	-0.72	+20	PASS
			2442	6.1094	6	1.82	+20	PASS
			2472	5.9979	6	-0.04	+20	PASS
	11G	Ant1	2412	6.0954	6	1.59	+20	PASS
			2442	5.7677	6	-3.87	+20	PASS
			2472	5.4828	6	-8.62	+20	PASS
	11N20SISO	Ant1	2412	5.1523	5	3.05	+20	PASS
			2442	4.9774	5	-0.45	+20	PASS
			2472	5.2481	5	4.96	+20	PASS
	11N40SISO	Ant1	2422	3.1696	3	5.65	+20	PASS
			2442	3.1769	3	5.90	+20	PASS
			2462	3.0061	3	0.20	+20	PASS

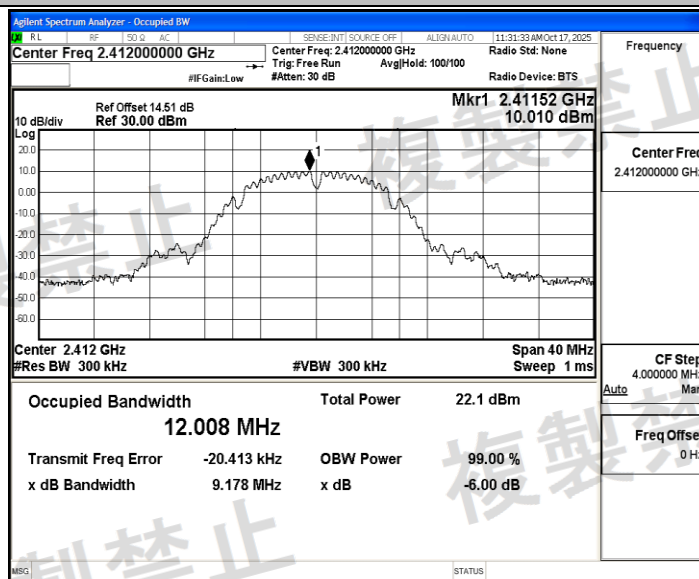
Occupied Bandwidth

Test Result

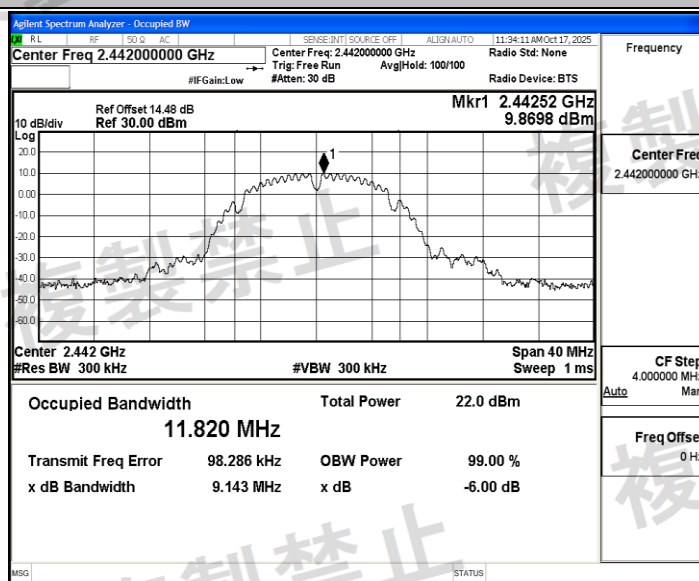
TestCondition	TestMode	Antenna	Frequency [MHz]	Result [MHz]	Limit [MHz]	Verdict
NTNV	11B	Ant1	2412	12.008	≤26	PASS
			2442	11.820	≤26	PASS
			2472	12.020	≤26	PASS
	11G	Ant1	2412	16.772	≤26	PASS
			2442	16.616	≤26	PASS
			2472	16.771	≤26	PASS
	11N20SISO	Ant1	2412	17.747	≤26	PASS
			2442	17.695	≤26	PASS
			2472	17.788	≤26	PASS
	11N40SISO	Ant1	2422	36.263	26-40	PASS
			2442	36.043	26-40	PASS
			2462	36.395	26-40	PASS

Test Graphs

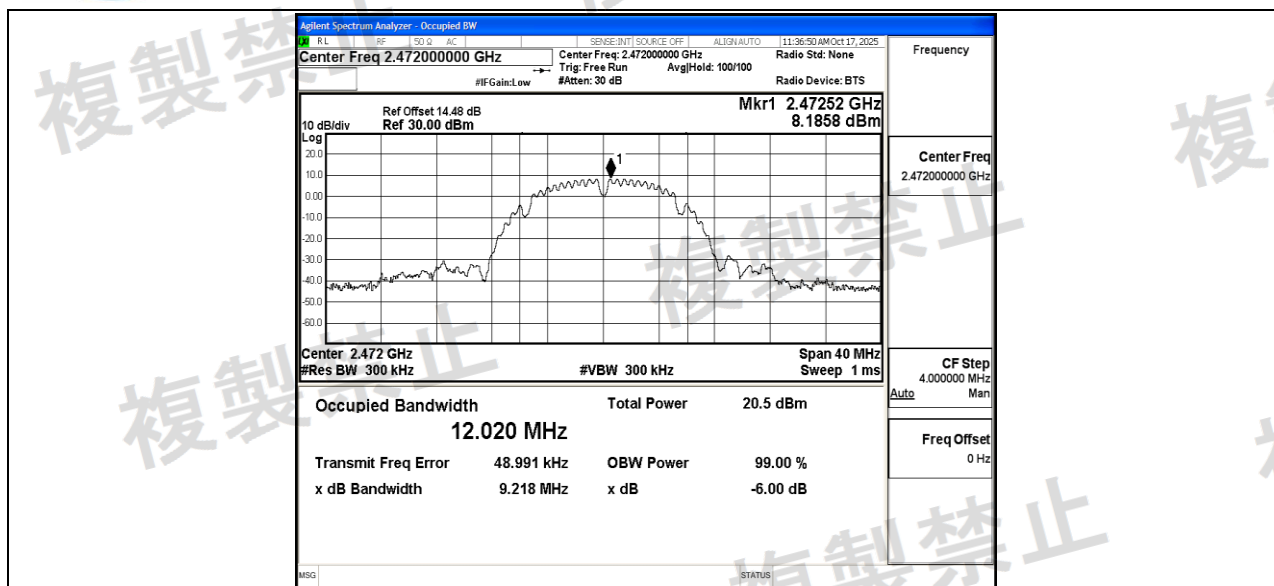
NTNV_11B_Ant1_2412



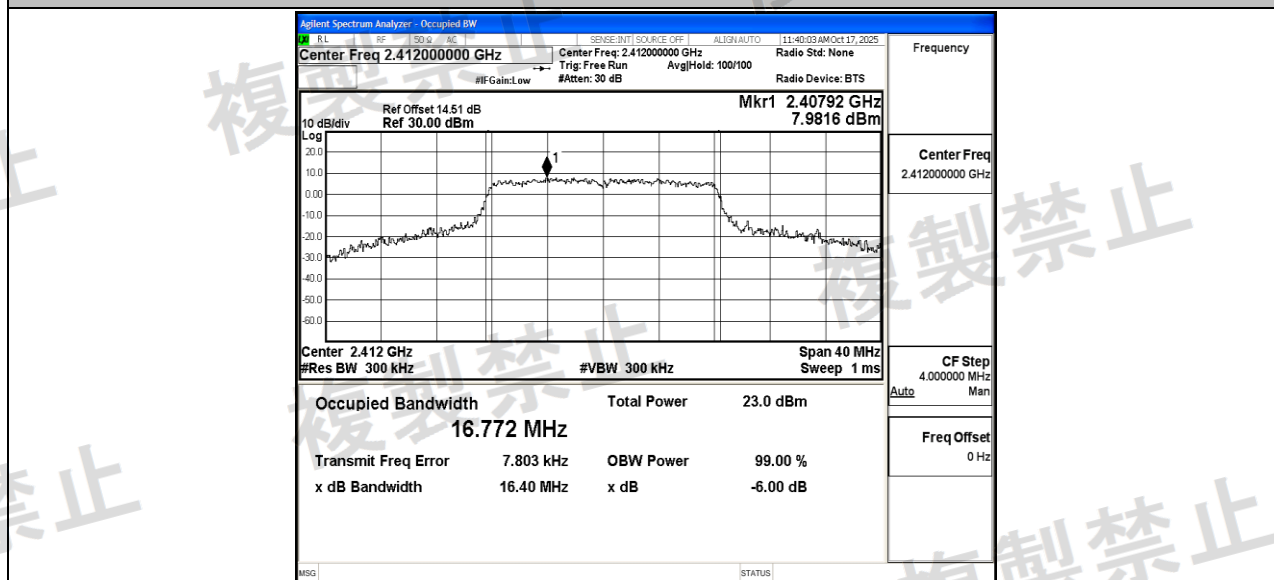
NTNV_11B_Ant1_2442



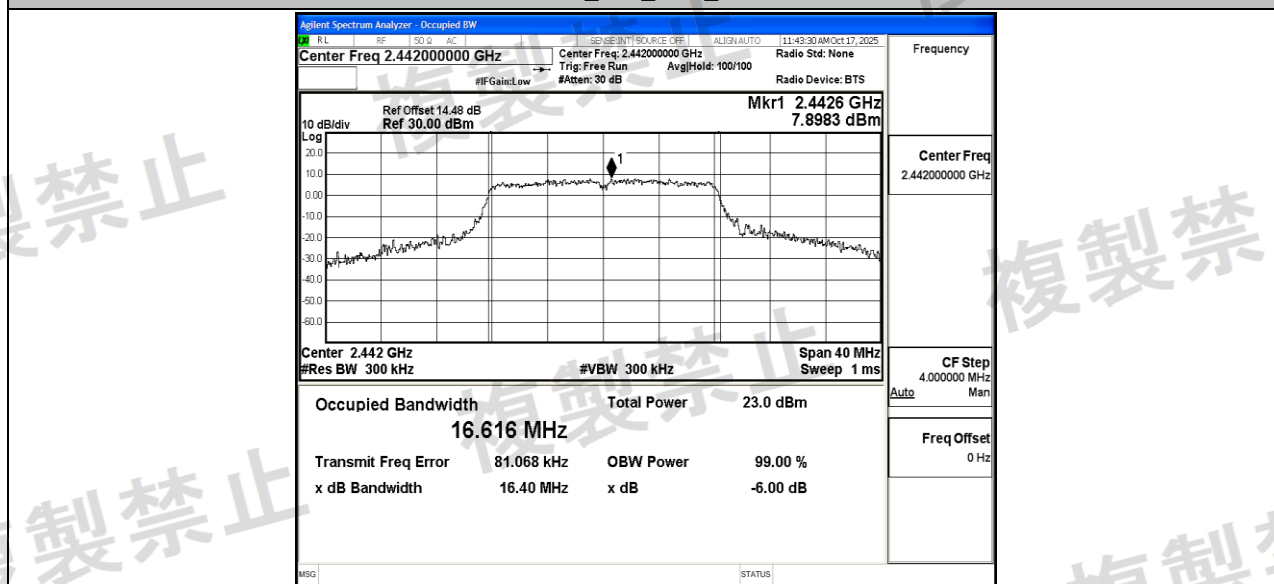
NTNV_11B_Ant1_2472



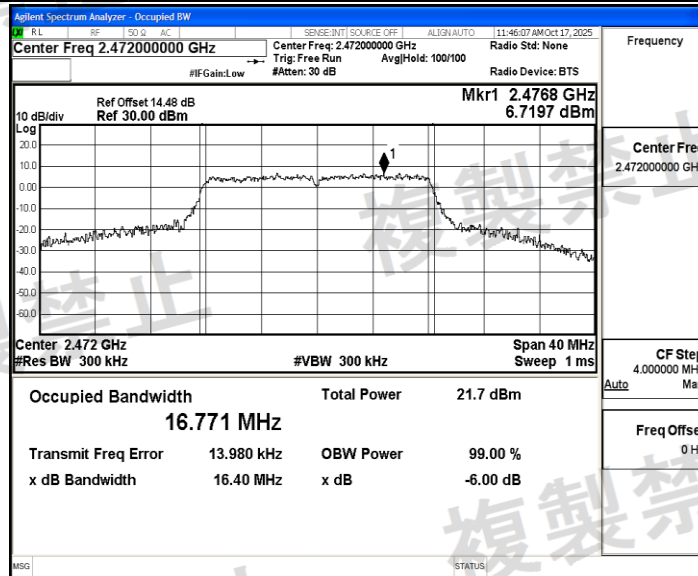
NTNV_11G_Ant1_2412



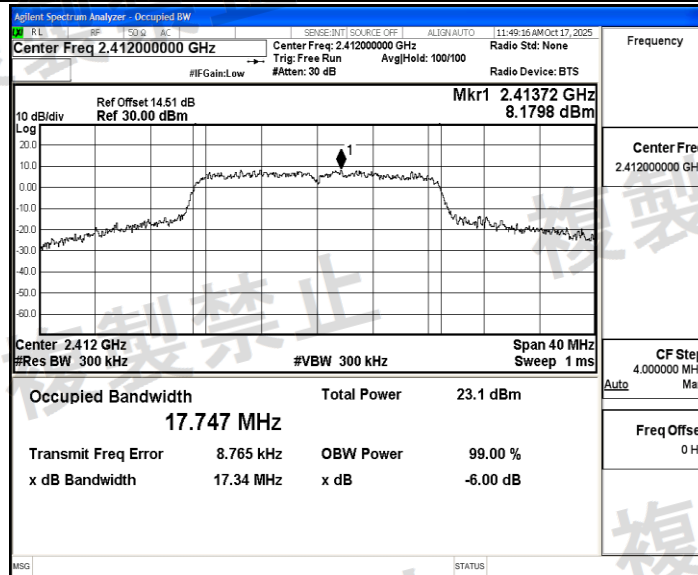
NTNV_11G_Ant1_2442



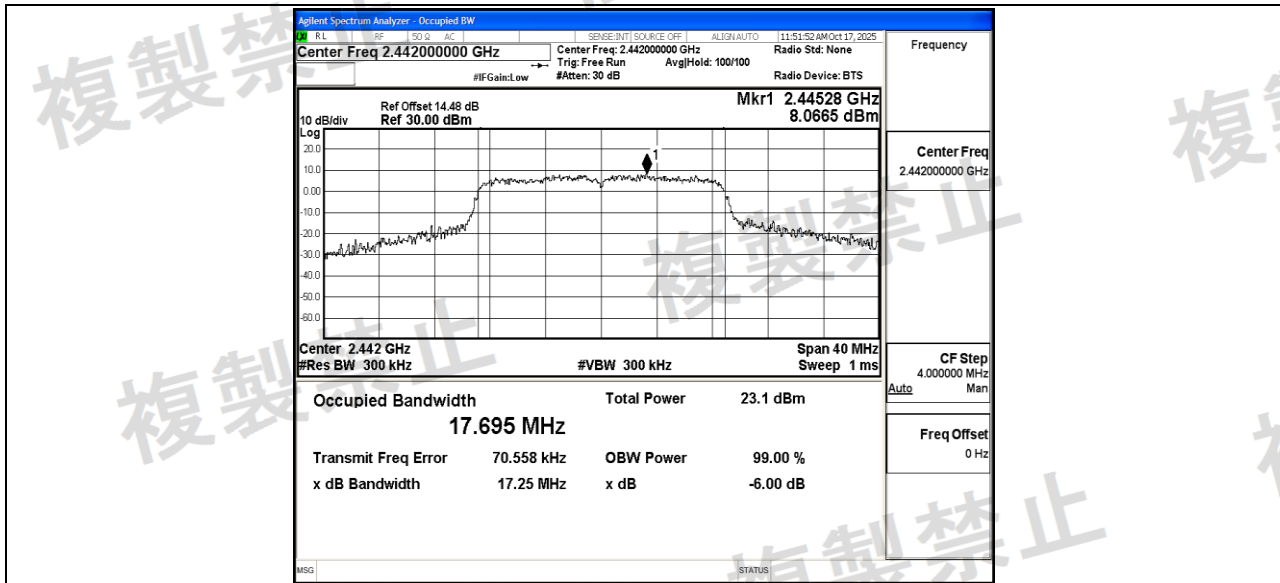
NTNV_11G_Ant1_2472



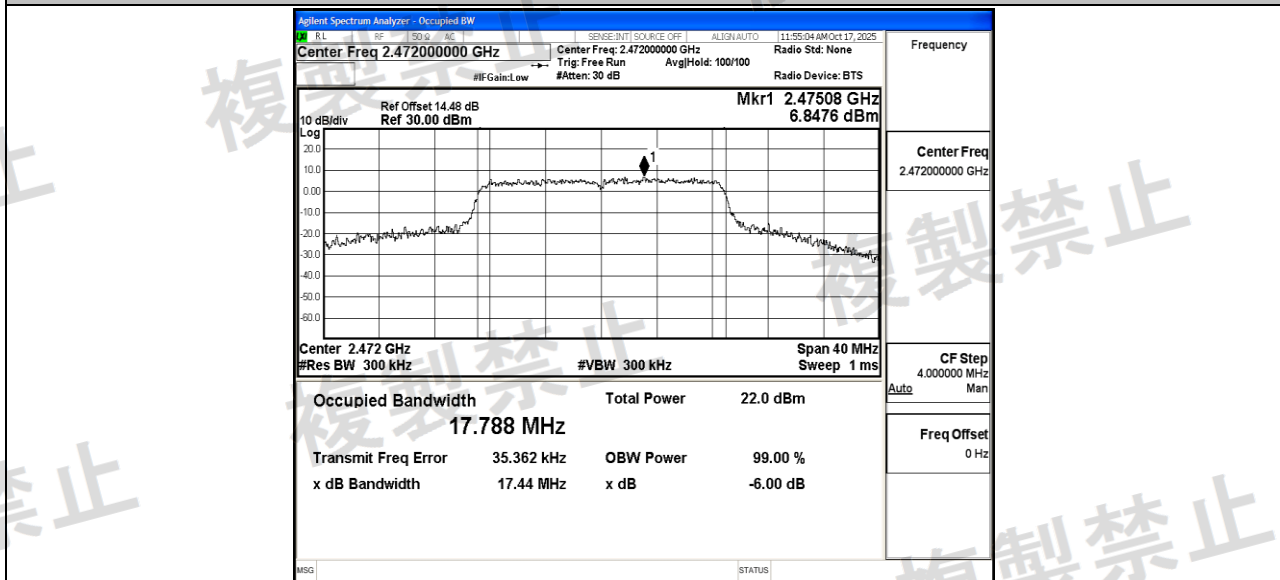
NTNV_11N20SISO_Ant1_2412



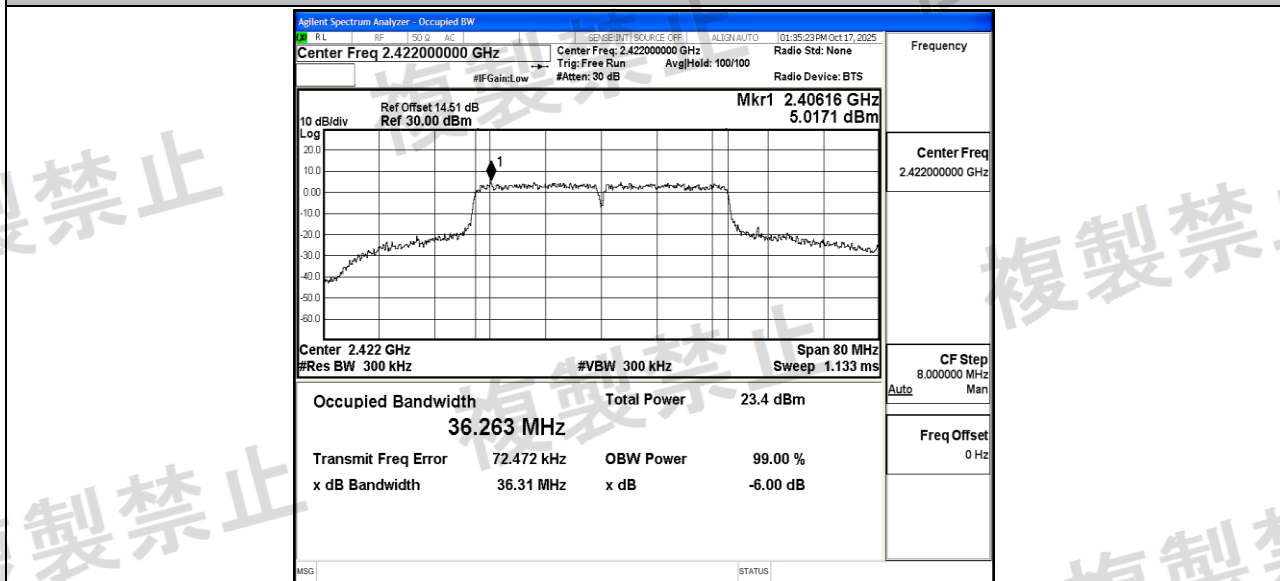
NTNV_11N20SISO_Ant1_2442



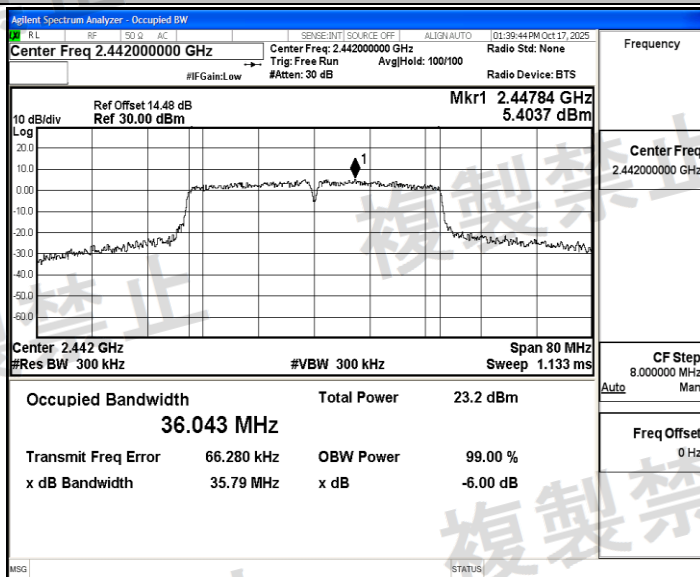
NTNV_11N20SISO_Ant1_2472



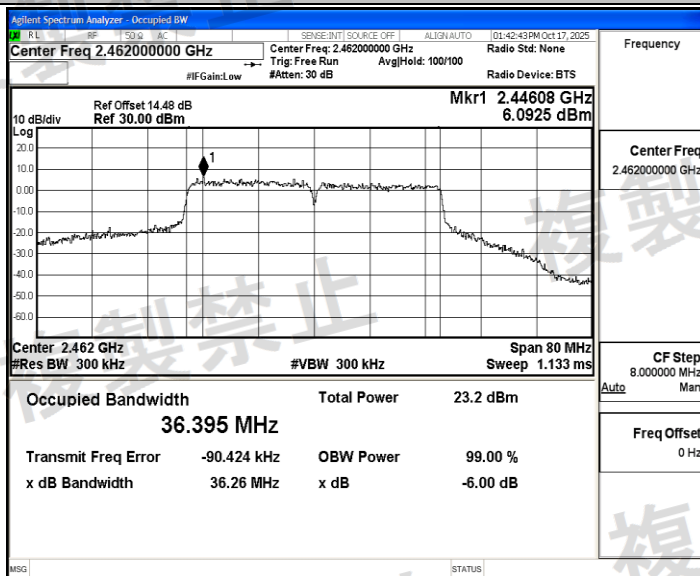
NTNV_11N40SISO_Ant1_2422



NTNV_11N40SISO_Ant1_2442



NTNV_11N40SISO_Ant1_2462



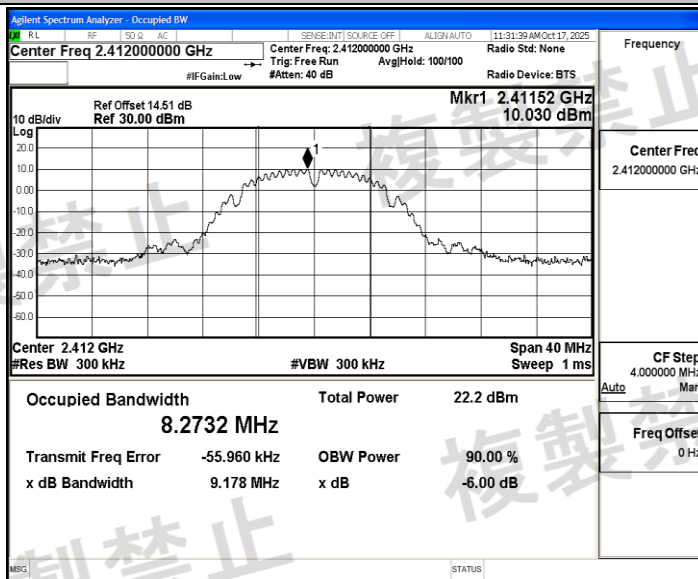
Spread Bandwidth

Test Result

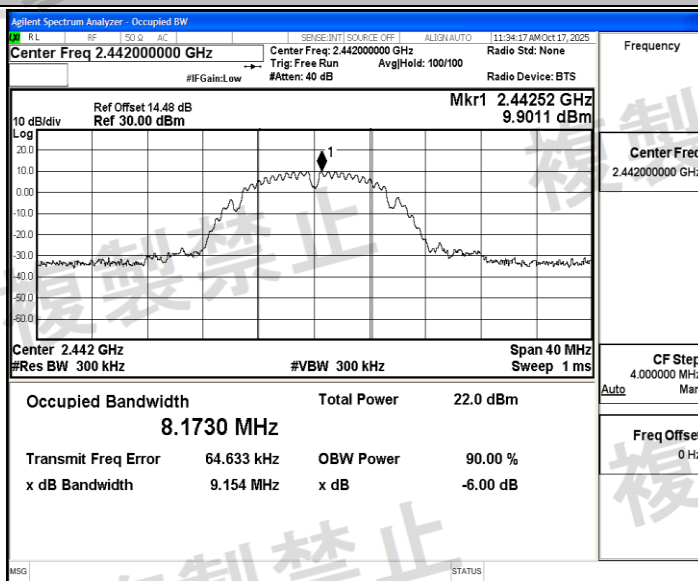
TestCondition	TestMode	Antenna	Frequency [MHz]	Result [MHz]	Limit [MHz]	Verdict
NTNV	11B	Ant1	2412	8.273	---	PASS
			2442	8.173	---	PASS
			2472	8.373	---	PASS
	11G	Ant1	2412	14.465	---	PASS
			2442	14.531	---	PASS
			2472	14.810	---	PASS
	11N20SISO	Ant1	2412	15.286	---	PASS
			2442	15.140	---	PASS
			2472	15.499	---	PASS
	11N40SISO	Ant1	2422	32.607	---	PASS
			2442	31.420	---	PASS
			2462	32.729	---	PASS

Test Graphs

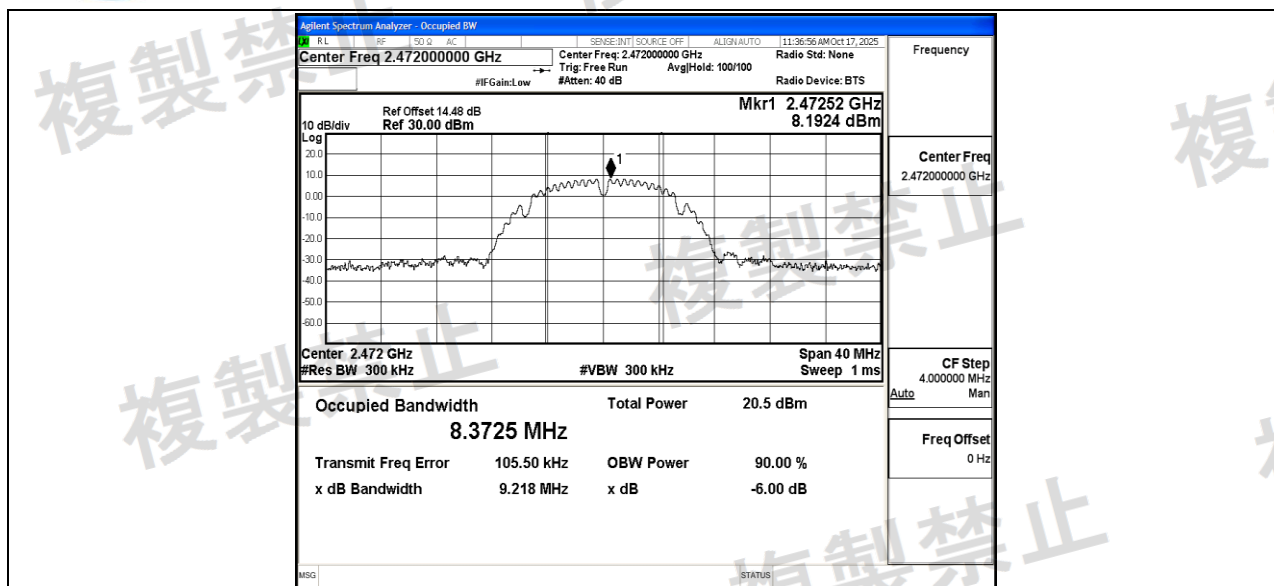
NTNV_11B_Ant1_2412



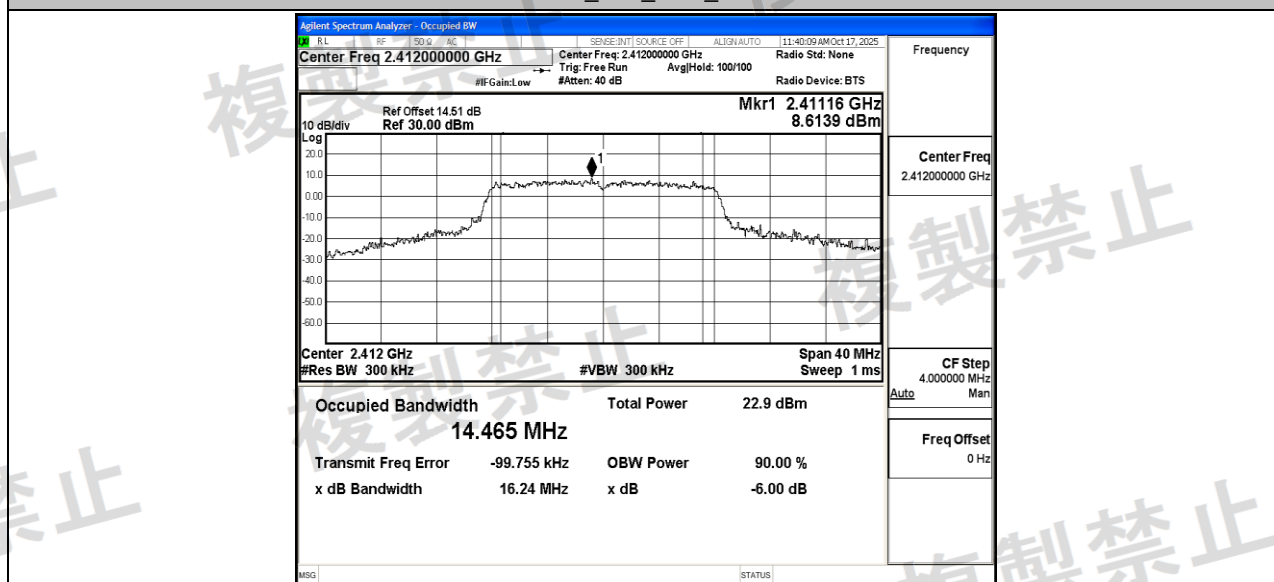
NTNV_11B_Ant1_2442



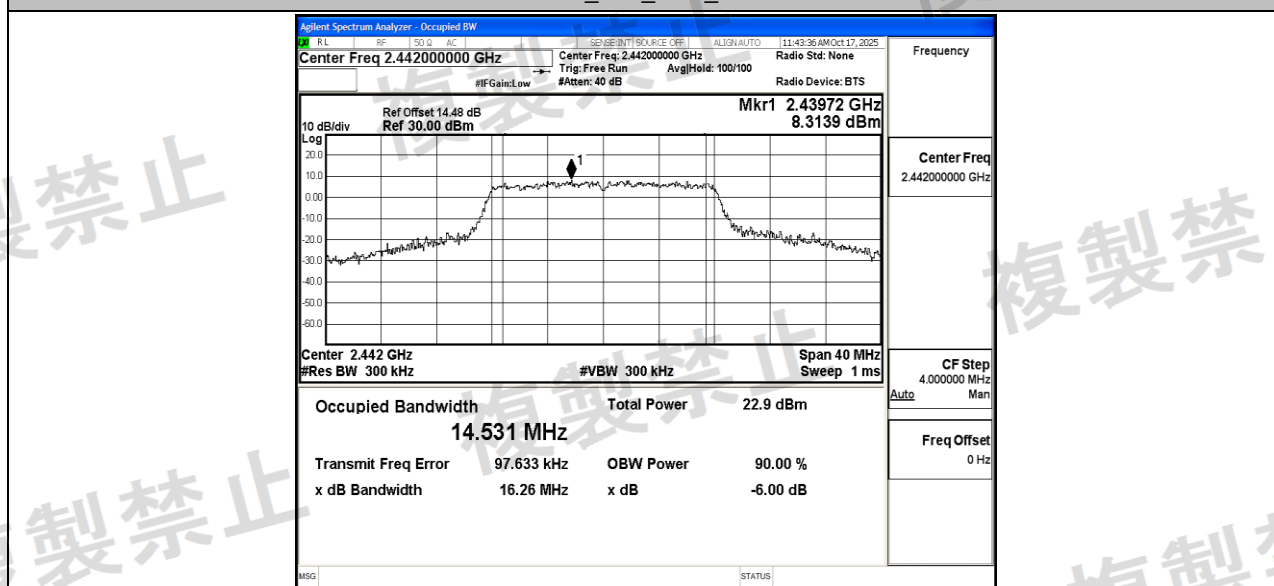
NTNV_11B_Ant1_2472



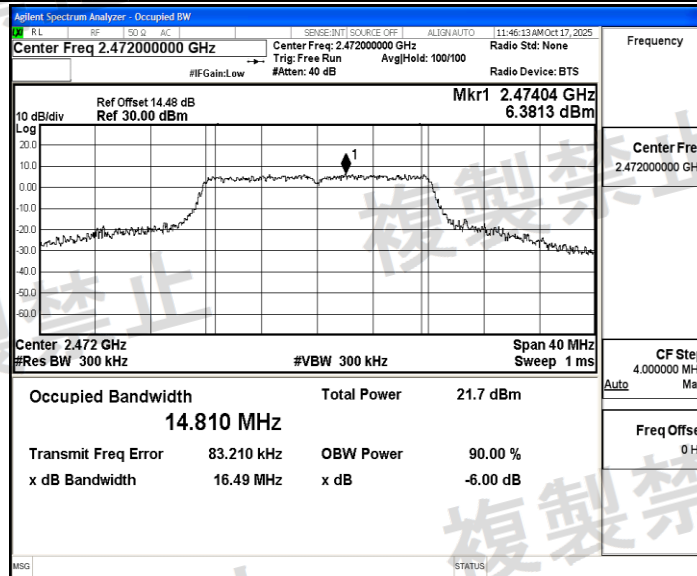
NTNV_11G_Ant1_2412



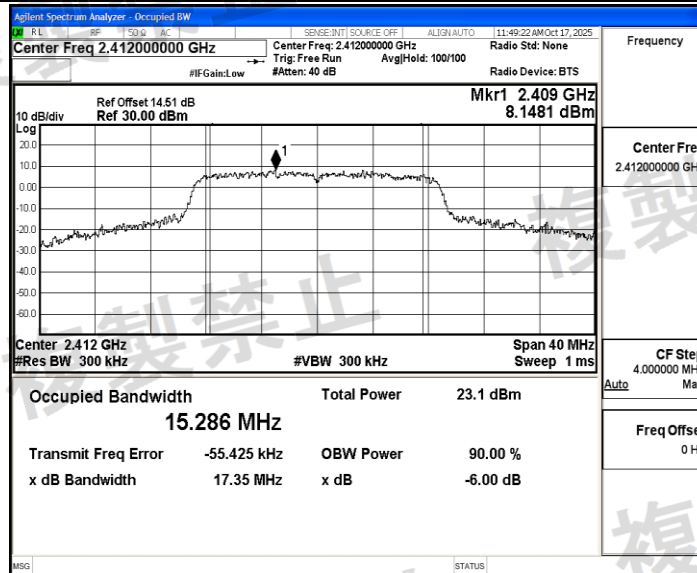
NTNV_11G_Ant1_2442



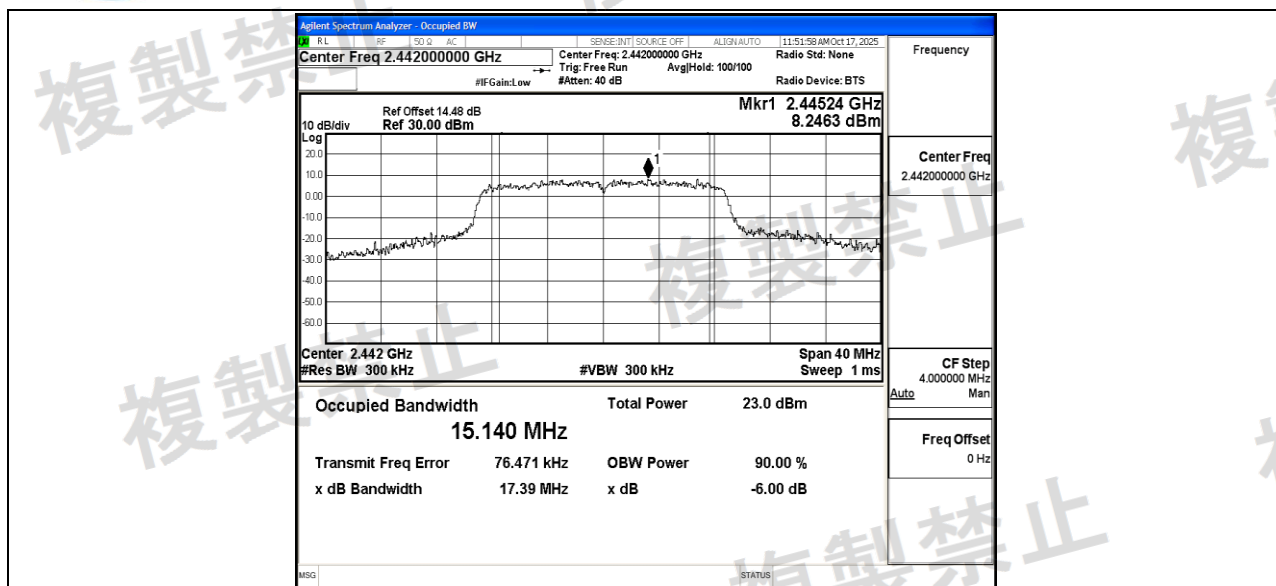
NTNV_11G_Ant1_2472



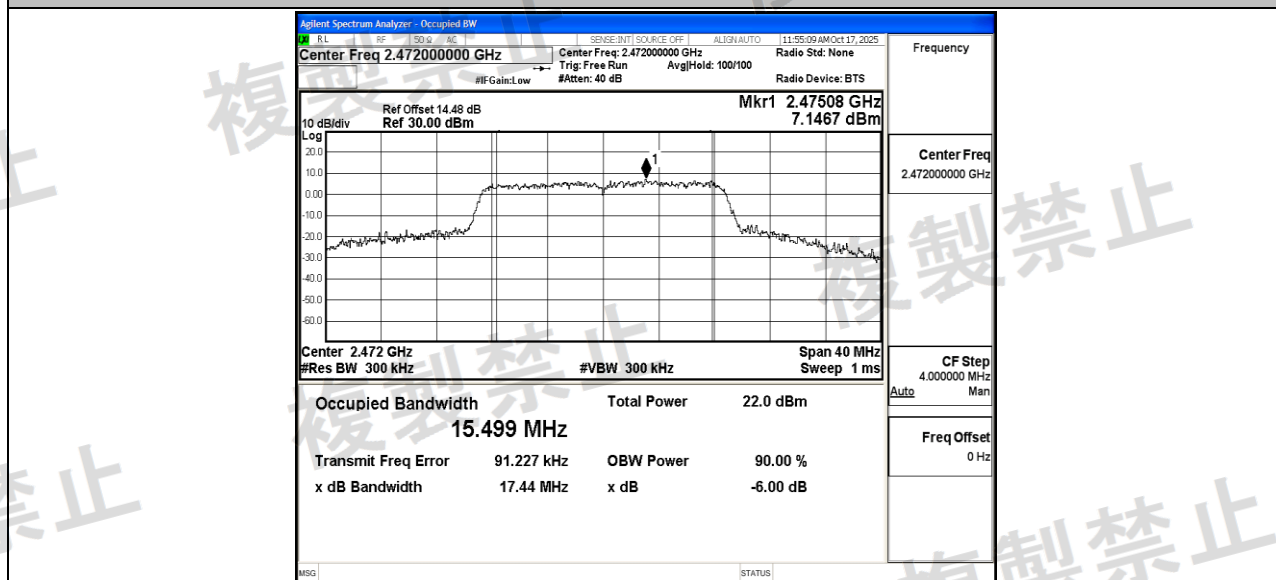
NTNV_11N20SISO_Ant1_2412



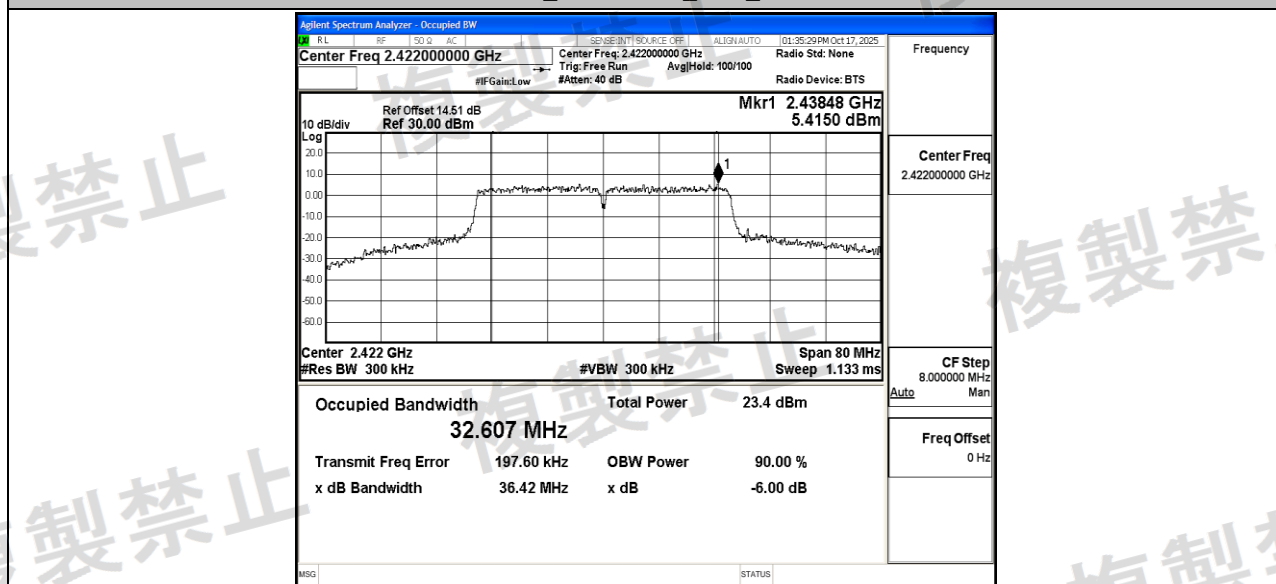
NTNV_11N20SISO_Ant1_2442



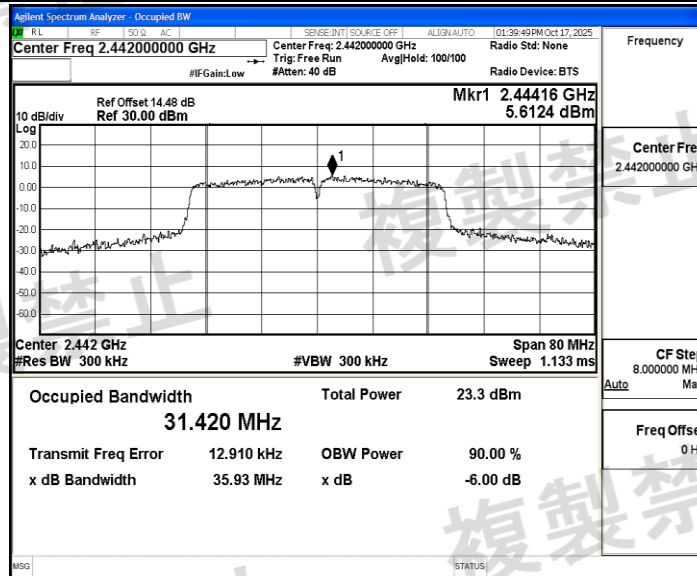
NTNV_11N20SISO_Ant1_2472



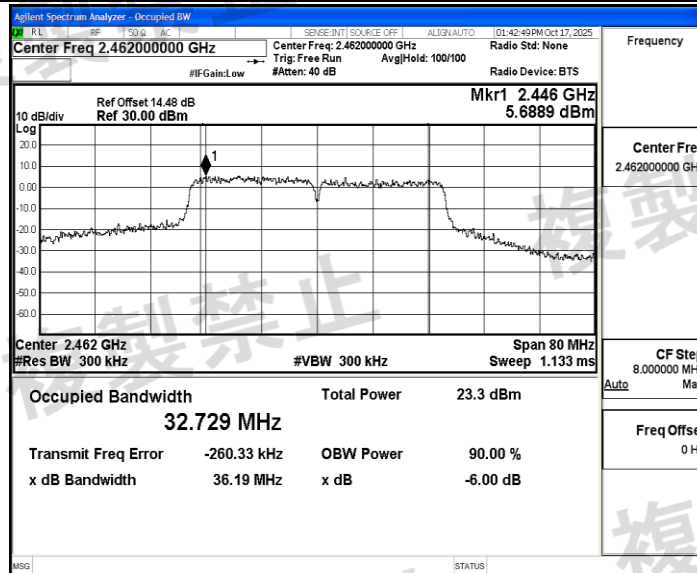
NTNV_11N40SISO_Ant1_2422



NTNV_11N40SISO_Ant1_2442



NTNV_11N40SISO_Ant1_2462



Spurious Emission of TX

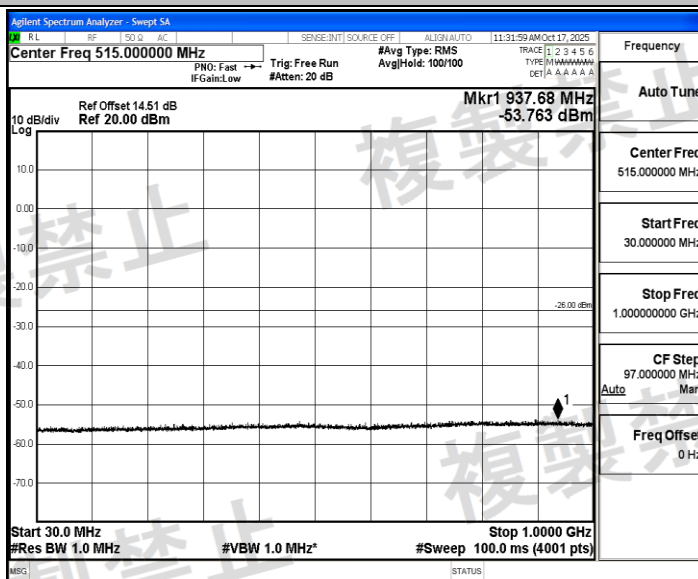
Test Result

TestCondition	TestMode	Antenna	Frequency [MHz]	Freq.Range [MHz]	Result [dBm]	Limit [dBm]	Result [μW]	Limit [μW]	Verdict
NTNV	11B	Ant1	2412	30~1000	-53.76	≤-26	0.00421	≤2.5	PASS
				1000~2387	-51.51	≤-26	0.00706	≤2.5	PASS
				2387~2400	-29.77	≤-16	1.05439	≤25	PASS
				2483.5~2496.5	-43.09	≤-16	0.04909	≤25	PASS
				2496.5~13000	-45.71	≤-26	0.02685	≤2.5	PASS
			2442	30~1000	-53.28	≤-26	0.00470	≤2.5	PASS
				1000~2387	-52.41	≤-26	0.00574	≤2.5	PASS
				2387~2400	-43.21	≤-16	0.04775	≤25	PASS
				2483.5~2496.5	-42.92	≤-16	0.05105	≤25	PASS
				2496.5~13000	-45.51	≤-26	0.02812	≤2.5	PASS
			2472	30~1000	-53.92	≤-26	0.00406	≤2.5	PASS
				1000~2387	-52.46	≤-26	0.00568	≤2.5	PASS
				2387~2400	-43.38	≤-16	0.04592	≤25	PASS
				2483.5~2496.5	-33.51	≤-16	0.44566	≤25	PASS
				2496.5~13000	-45.50	≤-26	0.02818	≤2.5	PASS
	11G	Ant1	2412	30~1000	-53.80	≤-26	0.00417	≤2.5	PASS
				1000~2387	-45.68	≤-26	0.02704	≤2.5	PASS
				2387~2400	-17.84	≤-16	16.44372	≤25	PASS
				2483.5~2496.5	-43.22	≤-16	0.04764	≤25	PASS
				2496.5~13000	-45.12	≤-26	0.03076	≤2.5	PASS
			2442	30~1000	-53.68	≤-26	0.00429	≤2.5	PASS
				1000~2387	-52.52	≤-26	0.00560	≤2.5	PASS
				2387~2400	-43.31	≤-16	0.04667	≤25	PASS
				2483.5~2496.5	-43.09	≤-16	0.04909	≤25	PASS
				2496.5~13000	-45.61	≤-26	0.02748	≤2.5	PASS
			2472	30~1000	-53.76	≤-26	0.00421	≤2.5	PASS
				1000~2387	-52.60	≤-26	0.00550	≤2.5	PASS
				2387~2400	-43.34	≤-16	0.04634	≤25	PASS
				2483.5~2496.5	-19.71	≤-16	10.69055	≤25	PASS
				2496.5~13000	-46.05	≤-26	0.02483	≤2.5	PASS
	11N20SISO	Ant1	2412	30~1000	-53.62	≤-26	0.00435	≤2.5	PASS
				1000~2387	-43.52	≤-26	0.04446	≤2.5	PASS
				2387~2400	-17.51	≤-16	17.74189	≤25	PASS
				2483.5~2496.5	-43.26	≤-16	0.04721	≤25	PASS
				2496.5~13000	-45.63	≤-26	0.02735	≤2.5	PASS

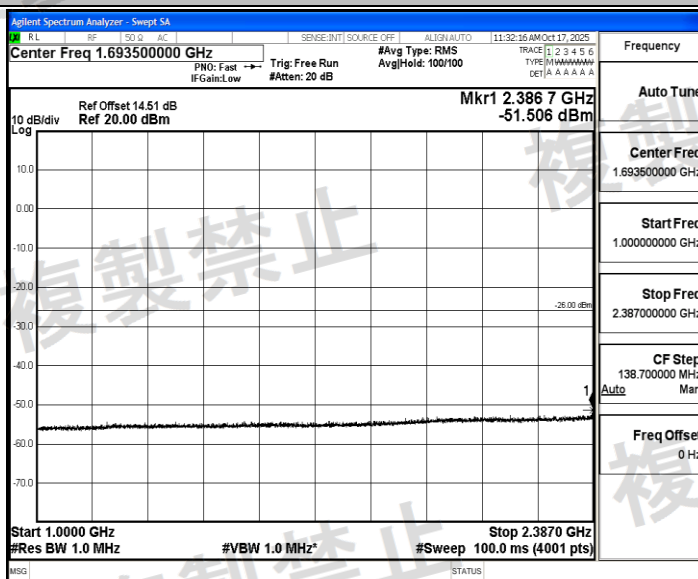
	11N40SISO	Ant1	2442	30~1000	-53.91	≤ -26	0.00406	≤ 2.5	PASS
				1000~2387	-52.70	≤ -26	0.00537	≤ 2.5	PASS
				2387~2400	-43.09	≤ -16	0.04909	≤ 25	PASS
				2483.5~2496.5	-42.61	≤ -16	0.05483	≤ 25	PASS
				2496.5~13000	-45.67	≤ -26	0.02710	≤ 2.5	PASS
			2472	30~1000	-53.53	≤ -26	0.00444	≤ 2.5	PASS
				1000~2387	-52.47	≤ -26	0.00566	≤ 2.5	PASS
				2387~2400	-42.97	≤ -16	0.05047	≤ 25	PASS
				2483.5~2496.5	-18.35	≤ -16	14.62177	≤ 25	PASS
				2496.5~13000	-45.43	≤ -26	0.02864	≤ 2.5	PASS
			2422	30~1000	-53.62	≤ -26	0.00435	≤ 2.5	PASS
				1000~2387	-29.67	≤ -26	1.07895	≤ 2.5	PASS
				2387~2400	-20.58	≤ -16	8.74984	≤ 25	PASS
				2483.5~2496.5	-37.88	≤ -16	0.16293	≤ 25	PASS
				2496.5~13000	-45.57	≤ -26	0.02773	≤ 2.5	PASS
			2442	30~1000	-53.87	≤ -26	0.00410	≤ 2.5	PASS
				1000~2387	-50.94	≤ -26	0.00805	≤ 2.5	PASS
				2387~2400	-34.87	≤ -16	0.32584	≤ 25	PASS
				2483.5~2496.5	-30.95	≤ -16	0.80353	≤ 25	PASS
				2496.5~13000	-45.38	≤ -26	0.02897	≤ 2.5	PASS
			2462	30~1000	-53.83	≤ -26	0.00414	≤ 2.5	PASS
				1000~2387	-52.44	≤ -26	0.00570	≤ 2.5	PASS
				2387~2400	-42.25	≤ -16	0.05957	≤ 25	PASS
				2483.5~2496.5	-21.68	≤ -16	6.79204	≤ 25	PASS
				2496.5~13000	-40.36	≤ -26	0.09204	≤ 2.5	PASS

Test Graphs

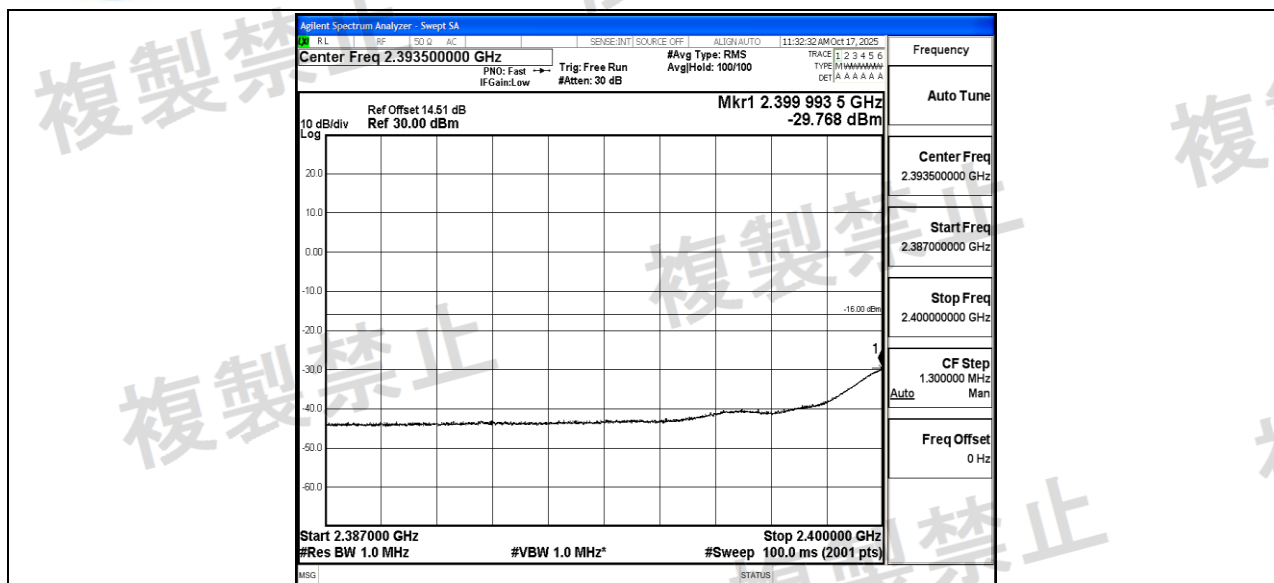
NTNV_11B_Ant1_2412_30~1000



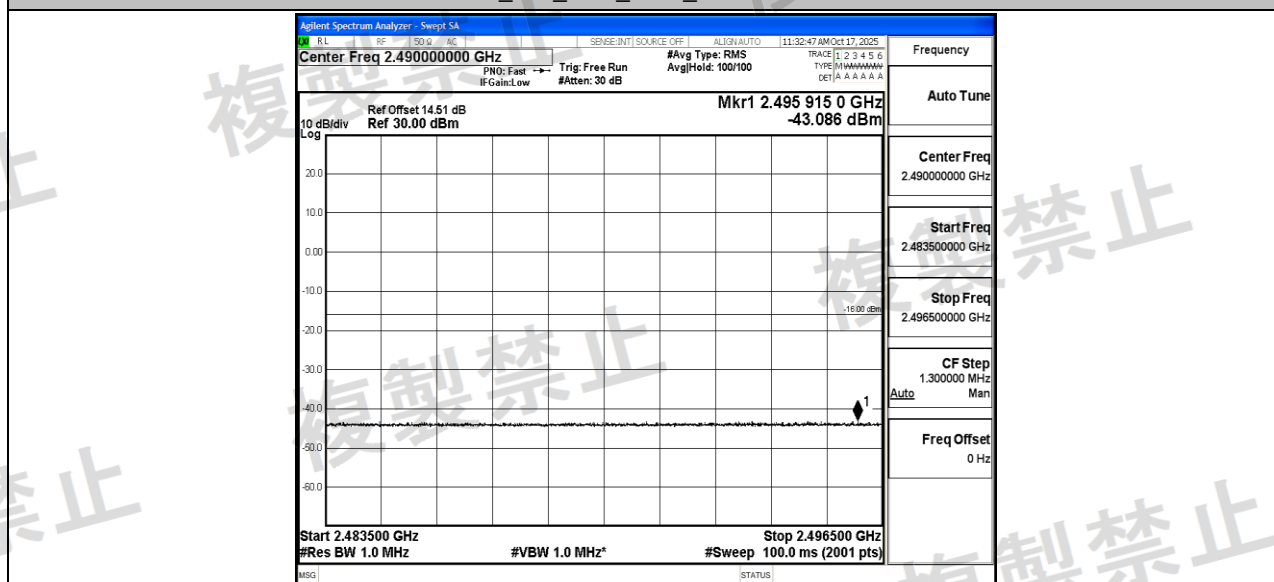
NTNV_11B_Ant1_2412_1000~2387



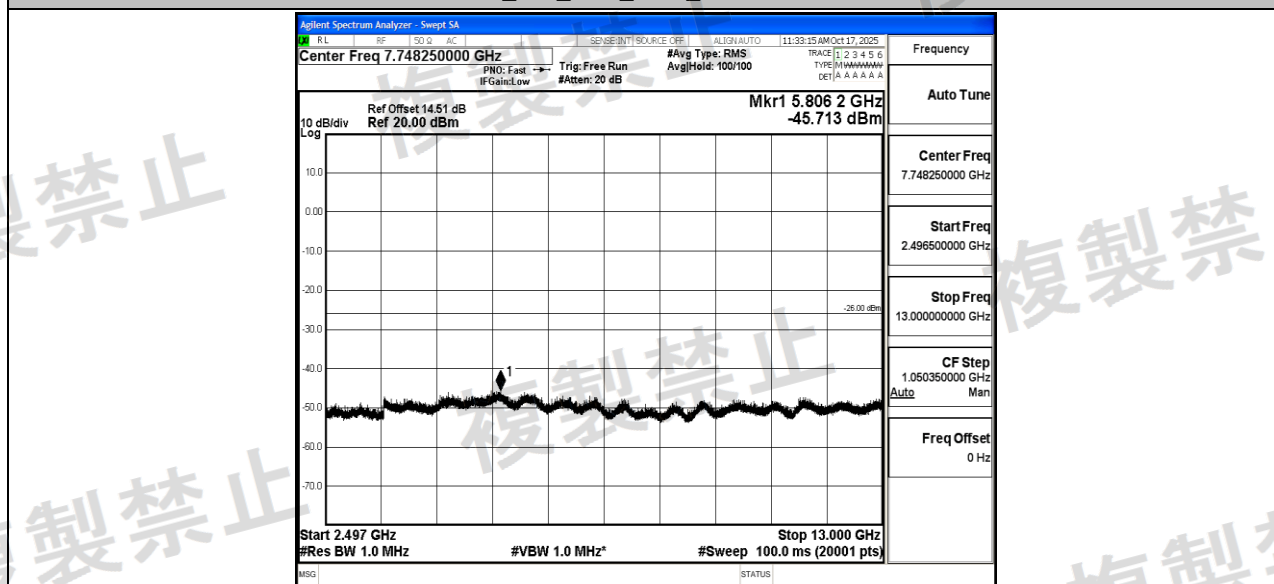
NTNV_11B_Ant1_2412_2387~2400



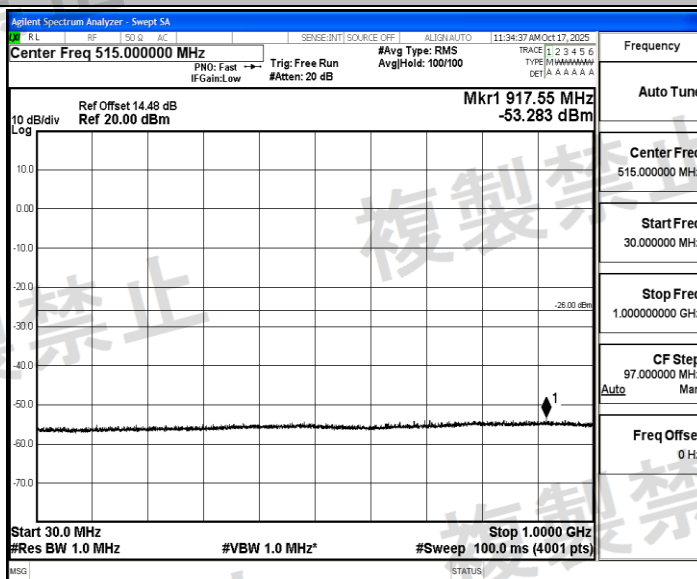
NTNV_11B_Ant1_2412_2483.5~2496.5



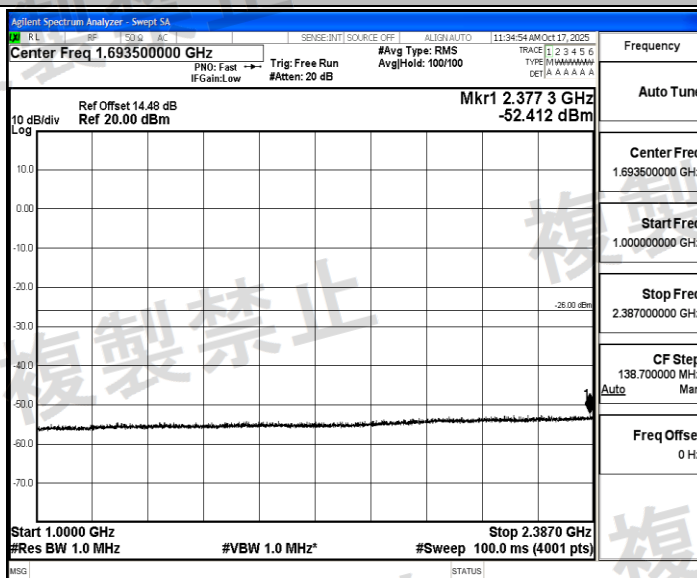
NTNV_11B_Ant1_2412_2496.5~13000



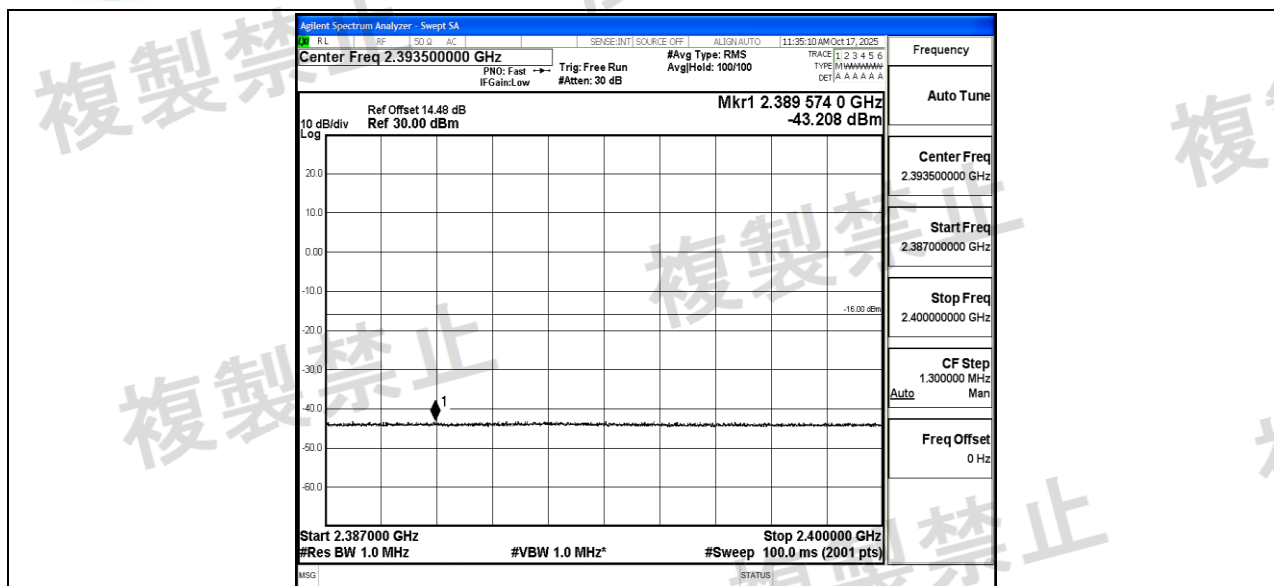
NTNV_11B_Ant1_2442_30~1000



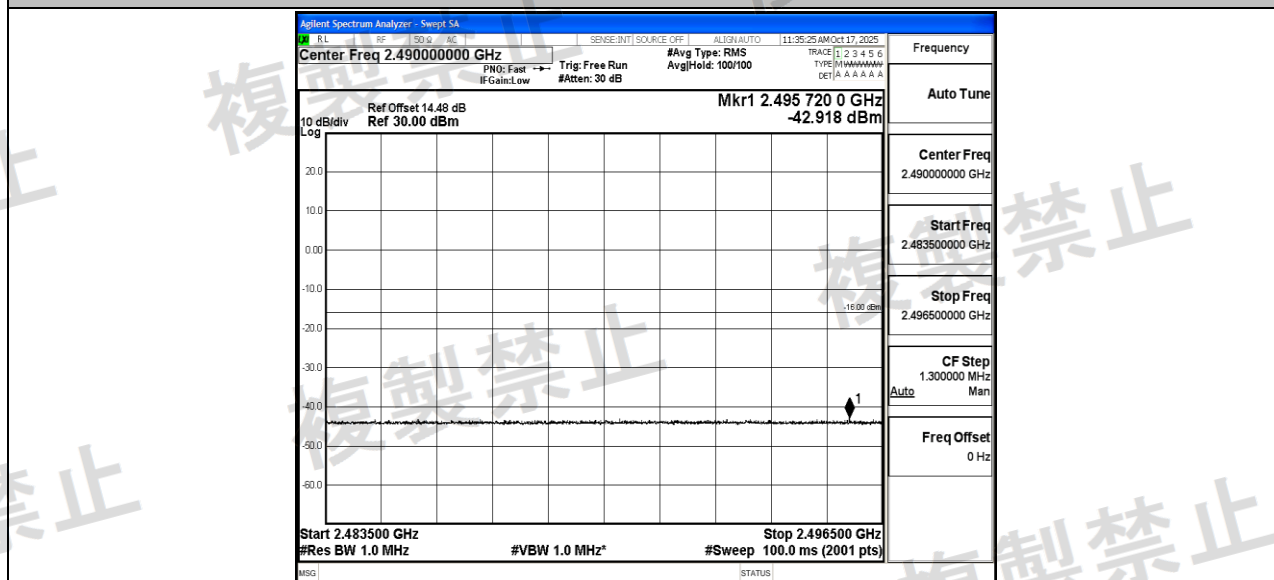
NTNV_11B_Ant1_2442_1000~2387



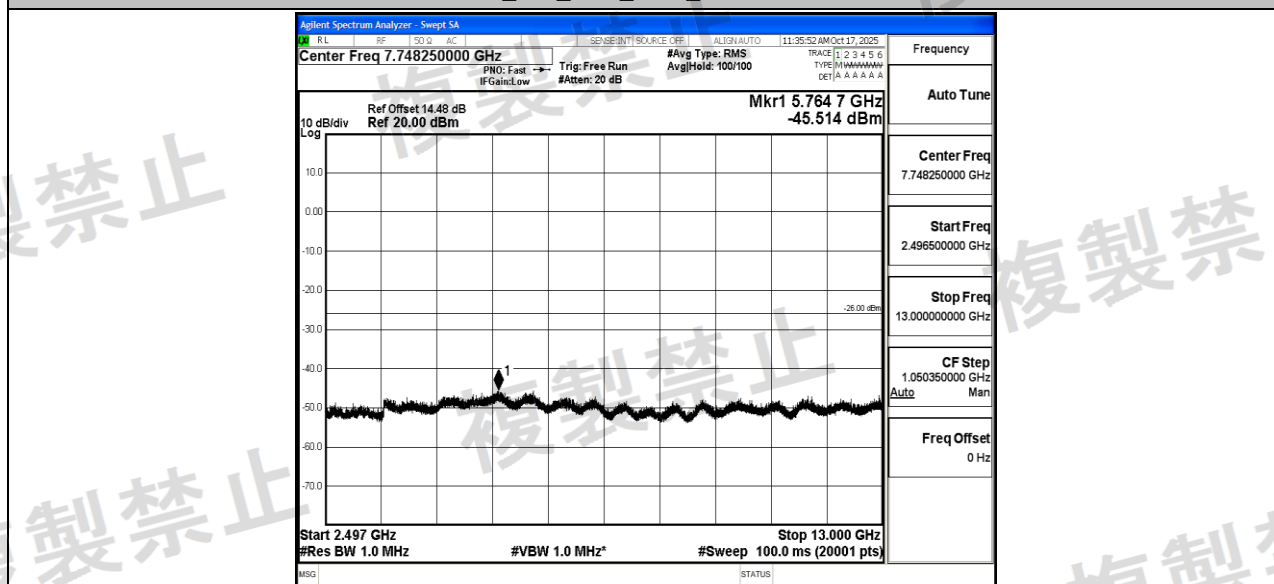
NTNV_11B_Ant1_2442_2387~2400



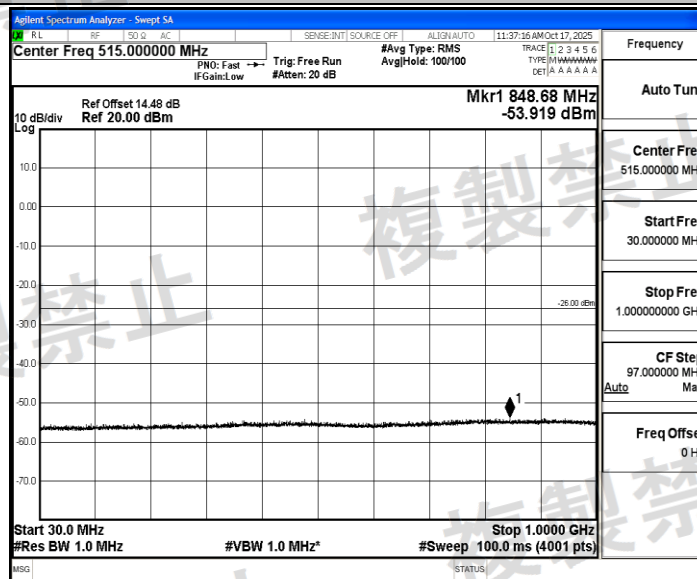
NTNV_11B_Ant1_2442_2483.5~2496.5



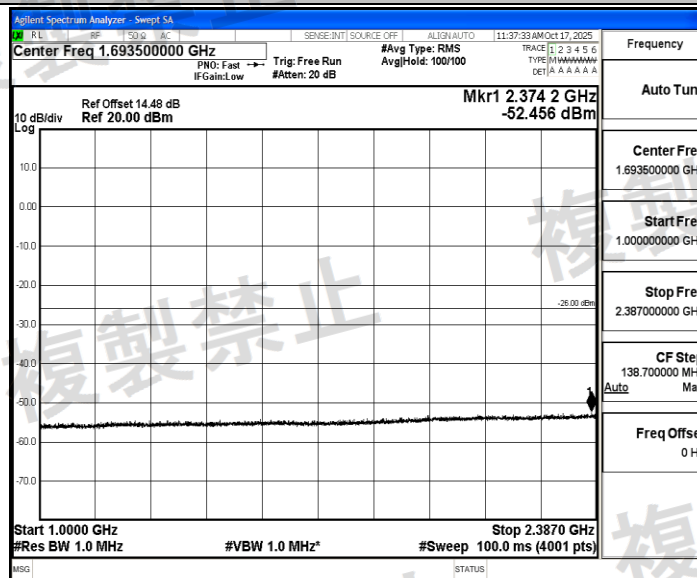
NTNV_11B_Ant1_2442_2496.5~13000



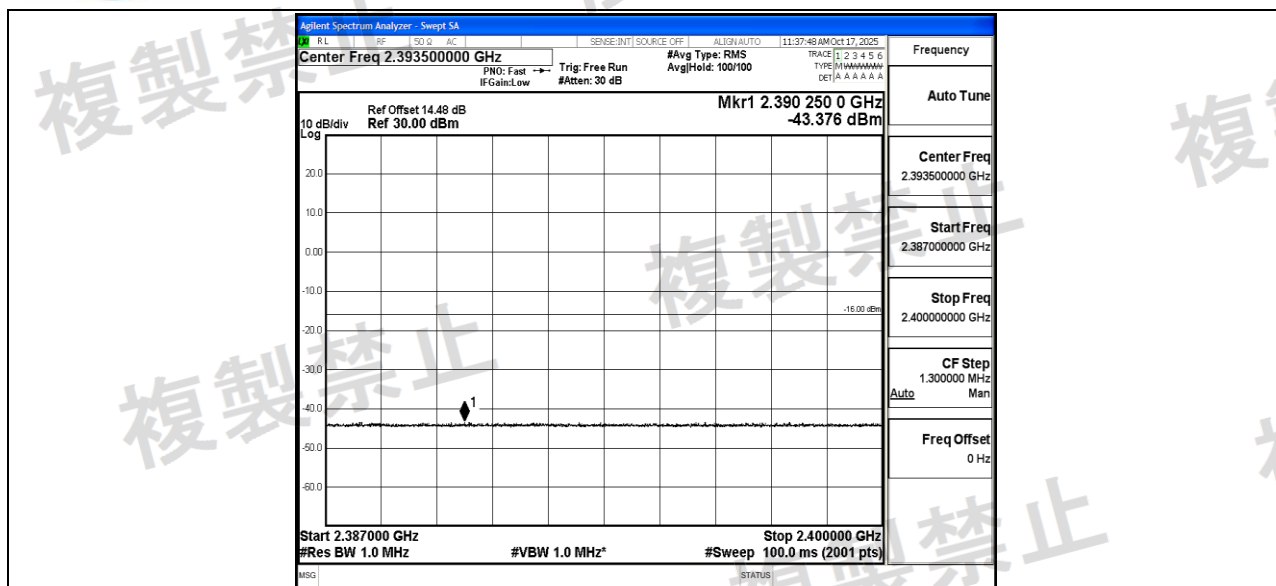
NTNV_11B_Ant1_2472_30~1000



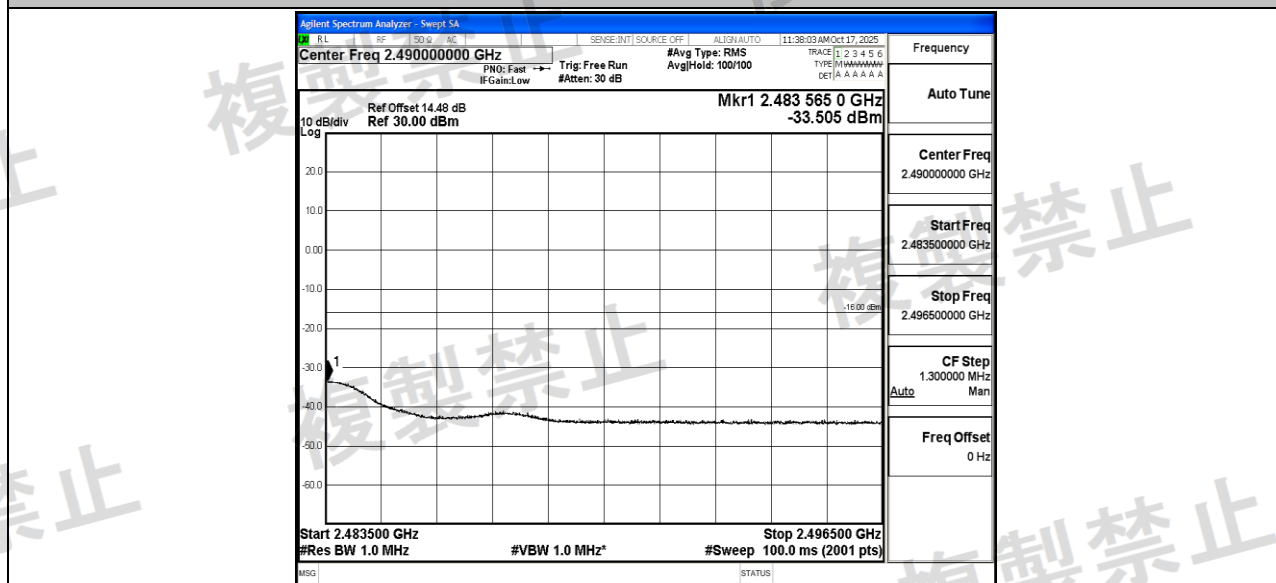
NTNV_11B_Ant1_2472_1000~2387



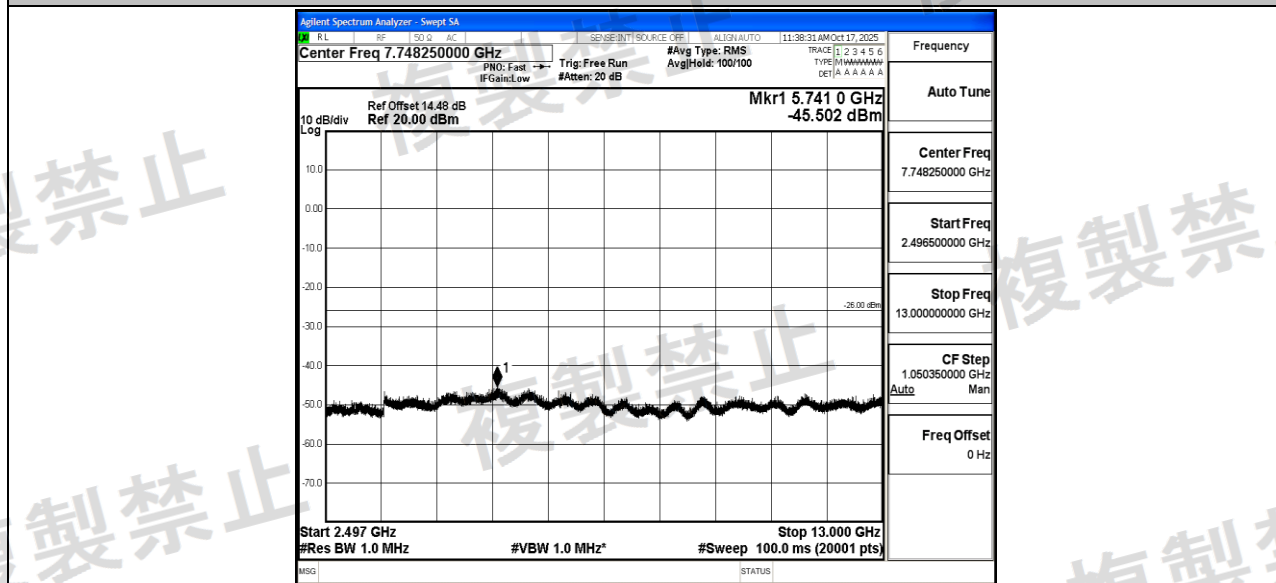
NTNV_11B_Ant1_2472_2387~2400



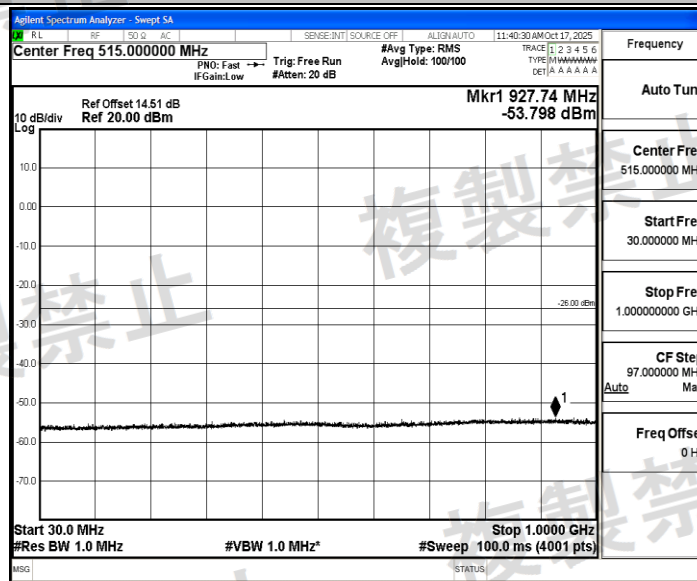
NTNV_11B_Ant1_2472_2483.5~2496.5



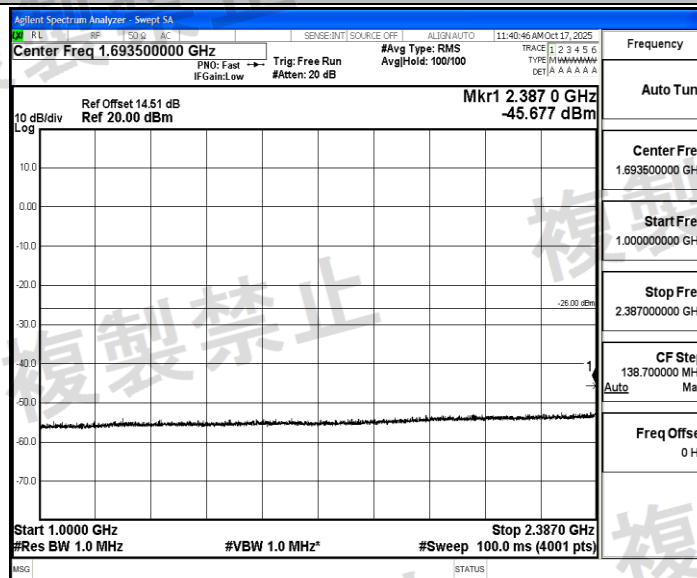
NTNV_11B_Ant1_2472_2496.5~13000



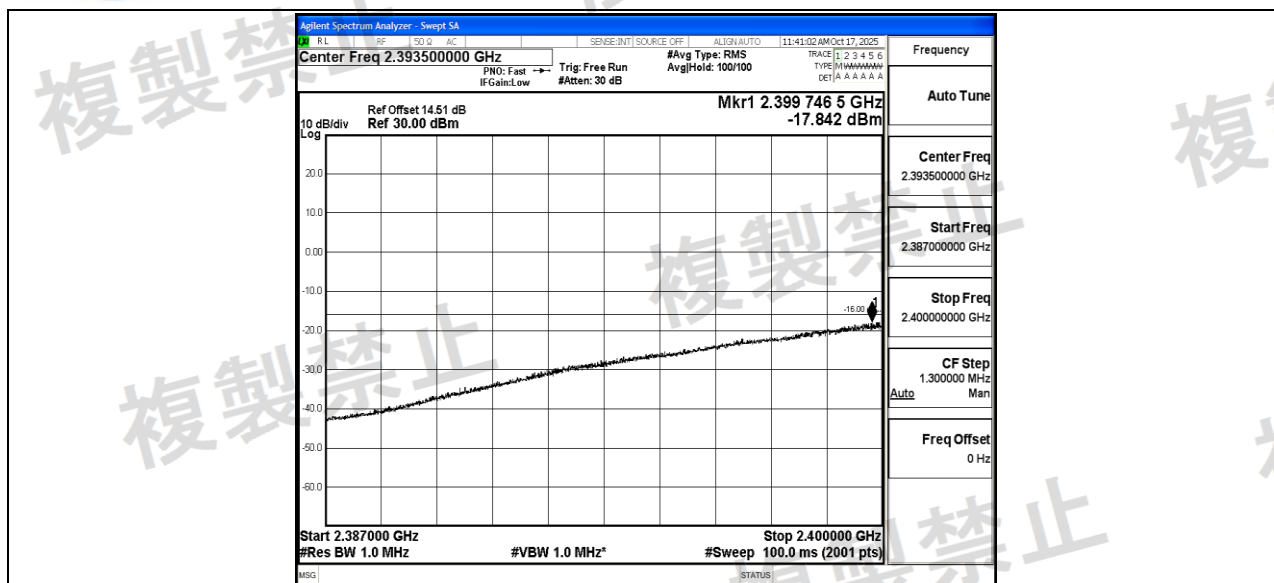
NTNV_11G_Ant1_2412_30~1000



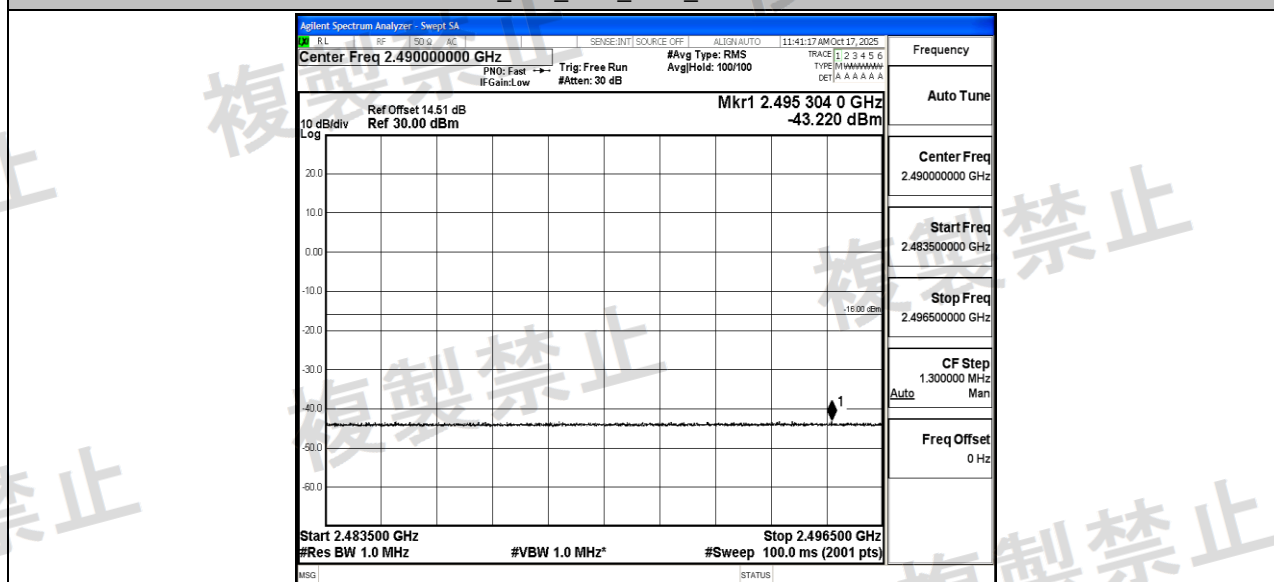
NTNV_11G_Ant1_2412_1000~2387



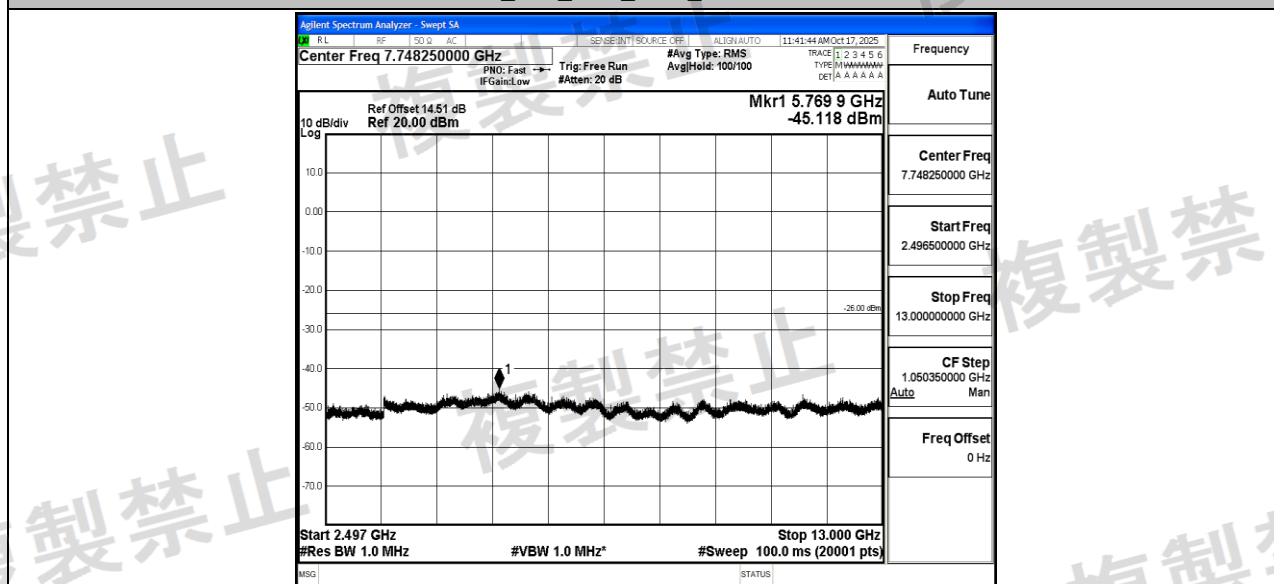
NTNV_11G_Ant1_2412_2387~2400



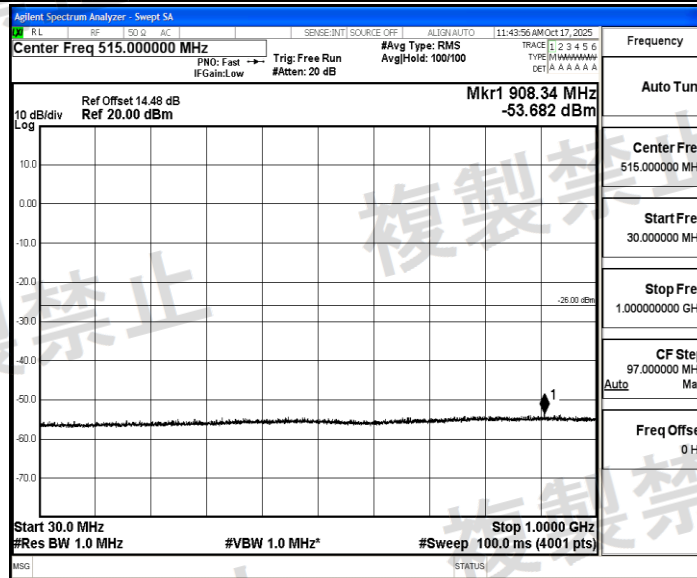
NTNV_11G_Ant1_2412_2483.5~2496.5



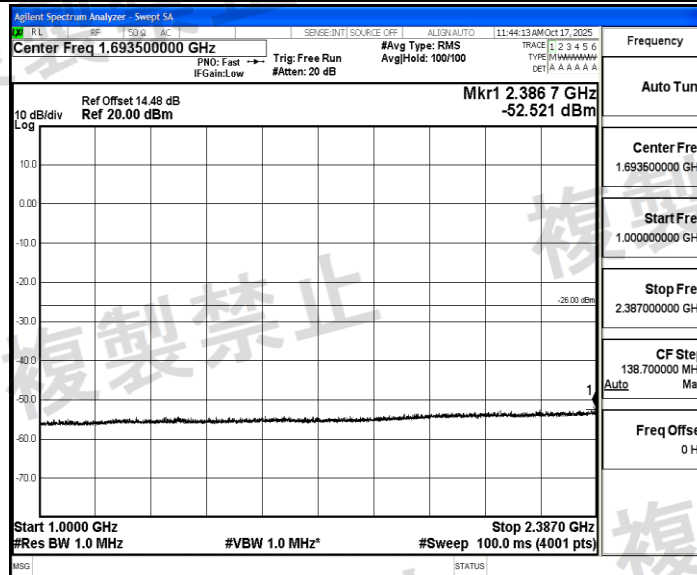
NTNV_11G_Ant1_2412_2496.5~13000



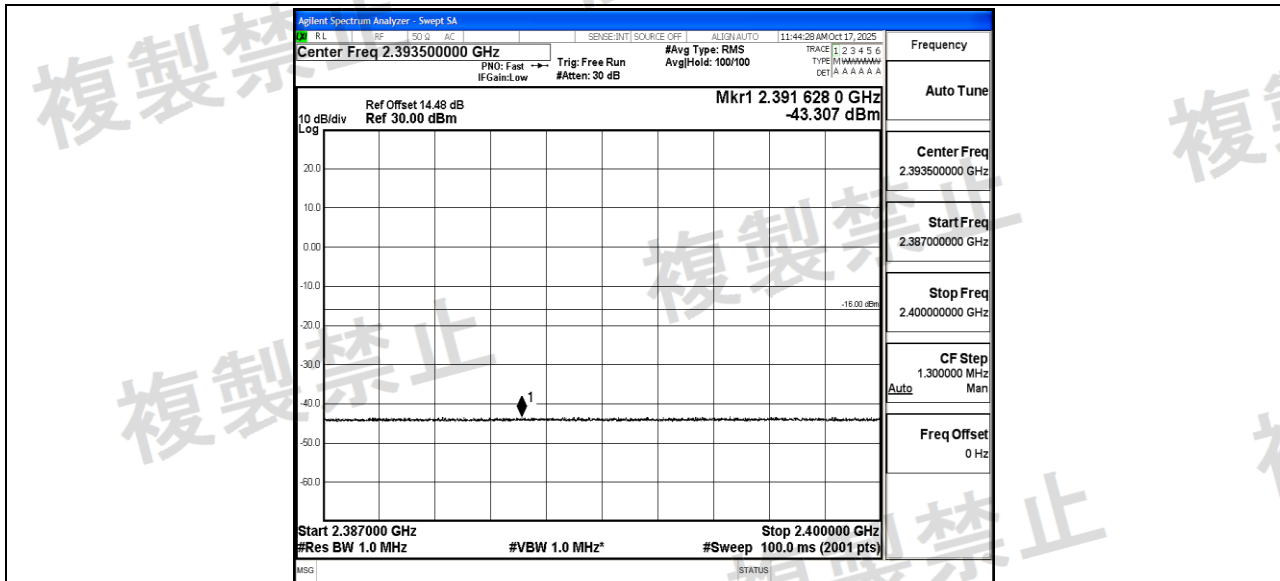
NTNV_11G_Ant1_2442_30~1000



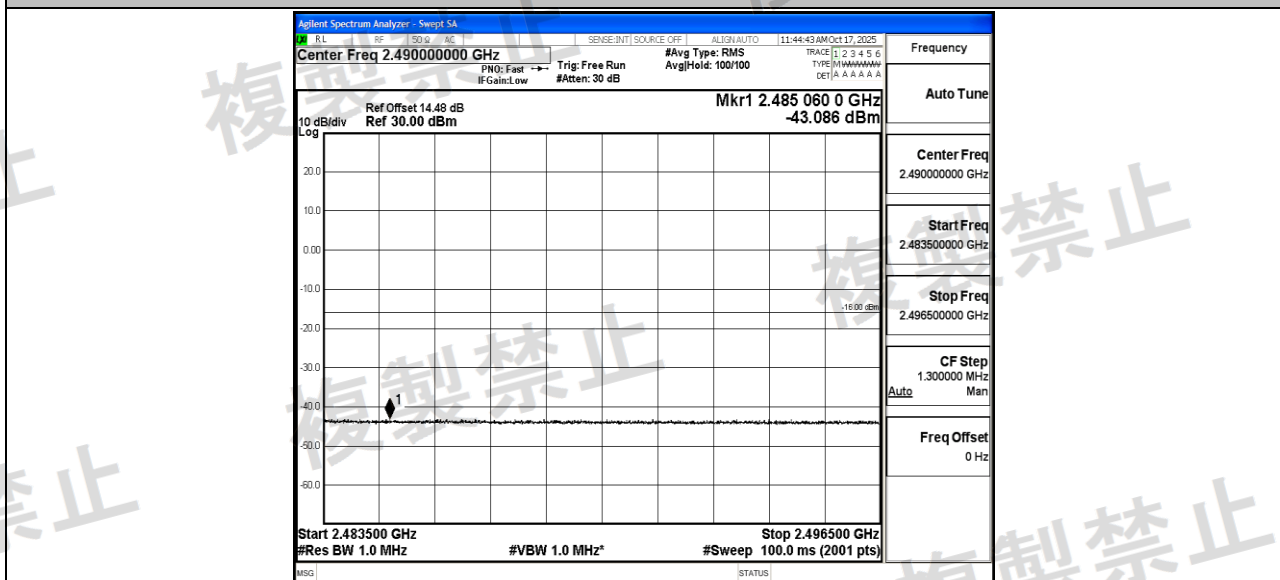
NTNV_11G_Ant1_2442_1000~2387



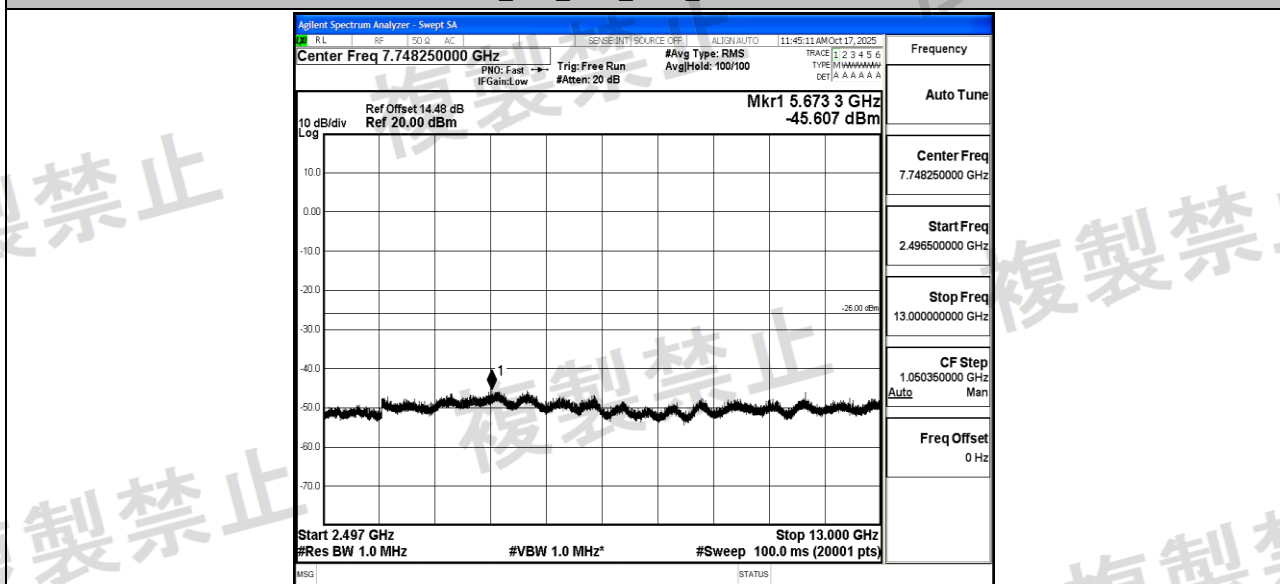
NTNV_11G_Ant1_2442_2387~2400



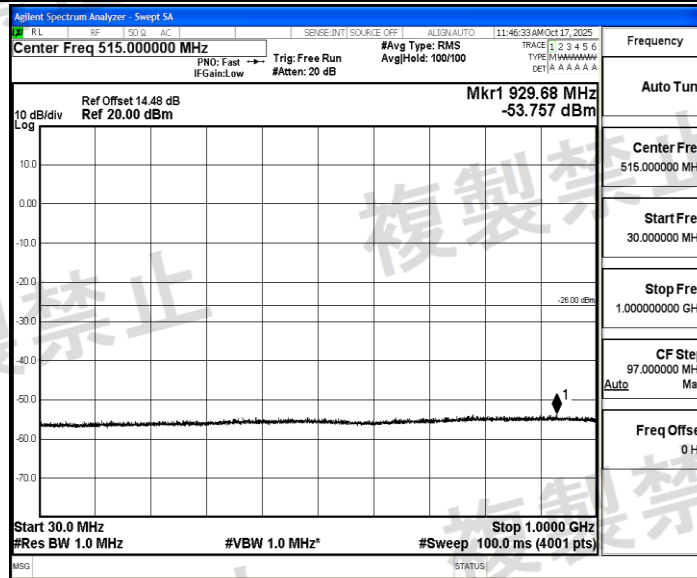
NTNV_11G_Ant1_2442_2483.5~2496.5



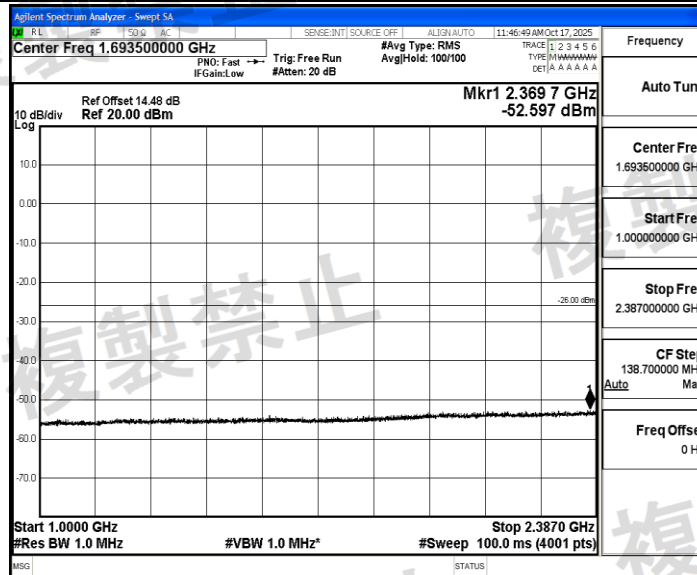
NTNV_11G_Ant1_2442_2496.5~13000



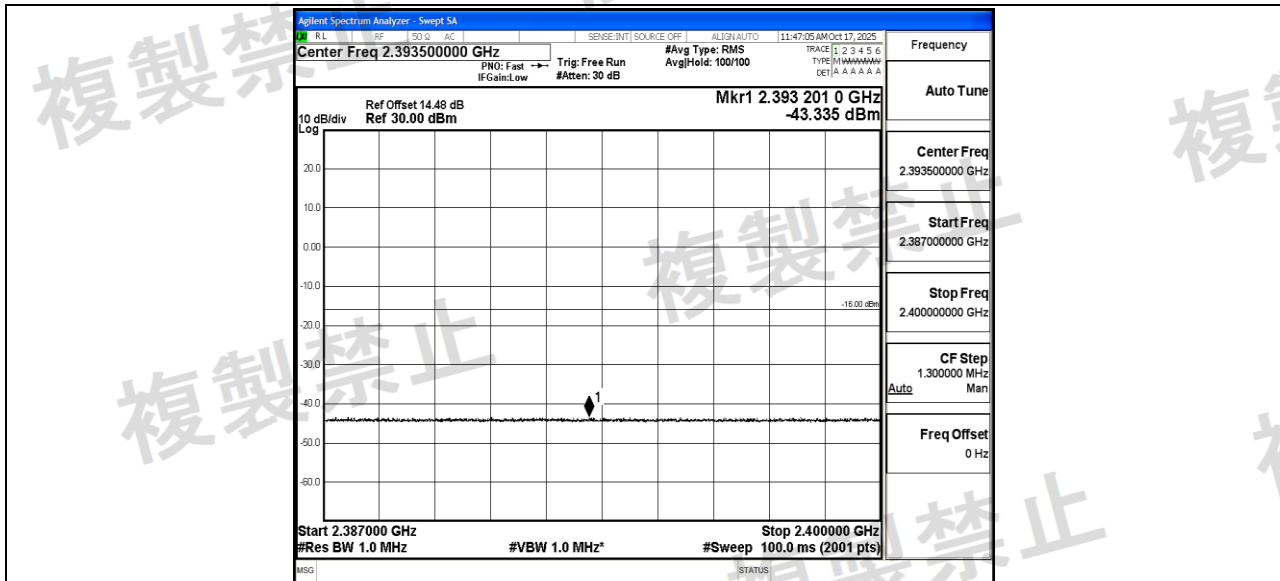
NTNV_11G_Ant1_2472_30~1000



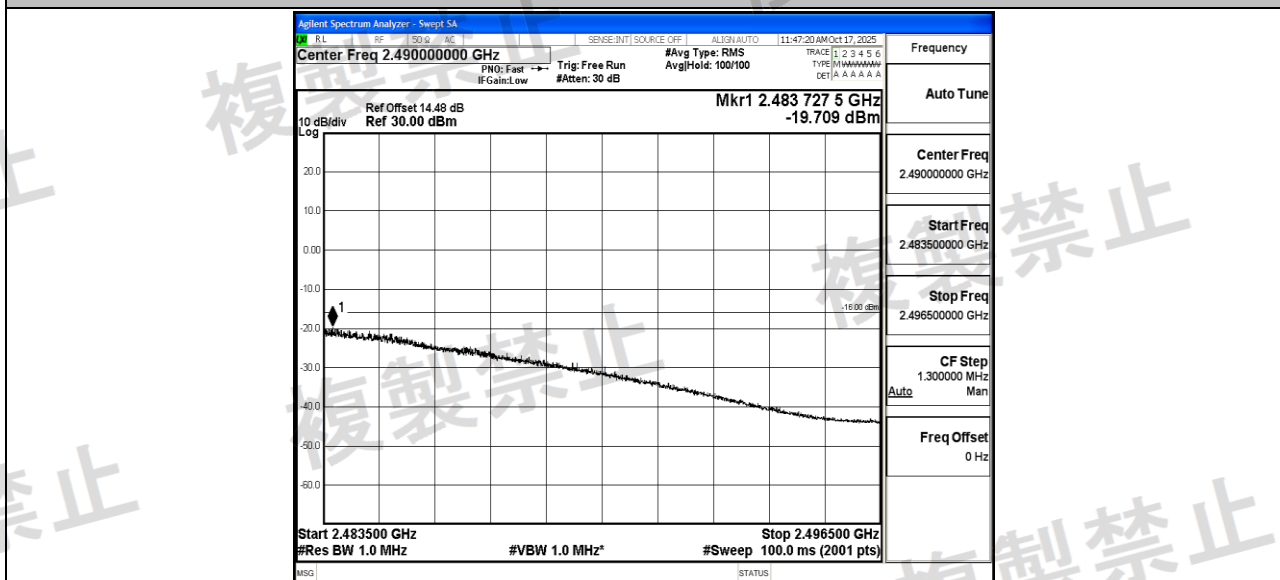
NTNV_11G_Ant1_2472_1000~2387



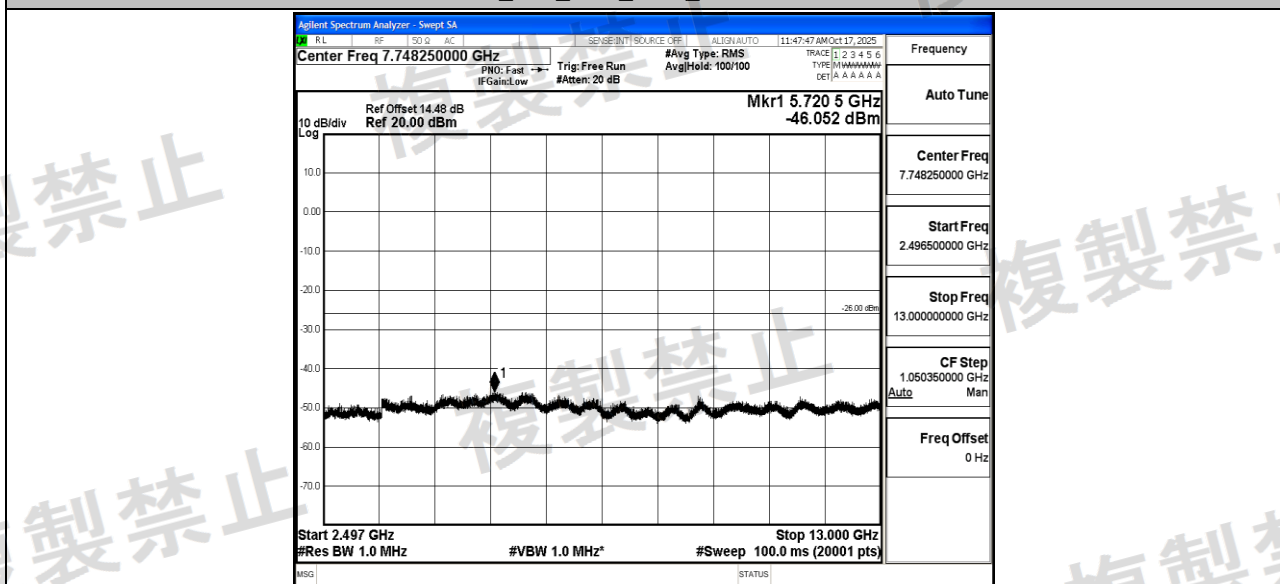
NTNV_11G_Ant1_2472_2387~2400



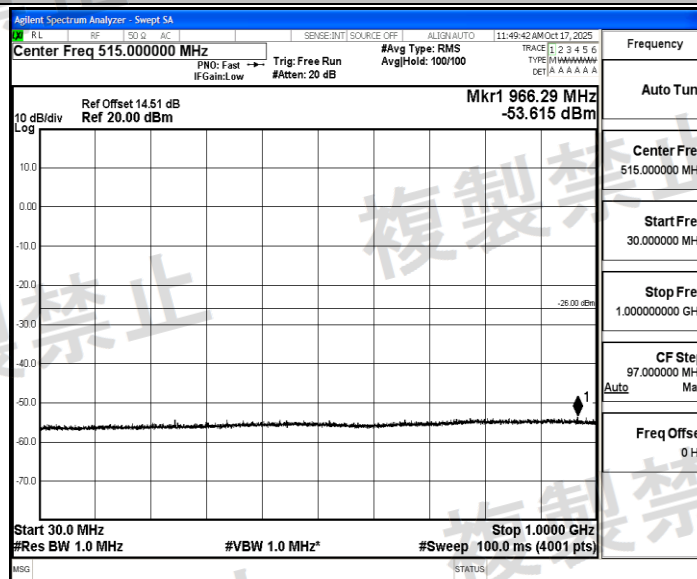
NTNV_11G_Ant1_2472_2483.5~2496.5



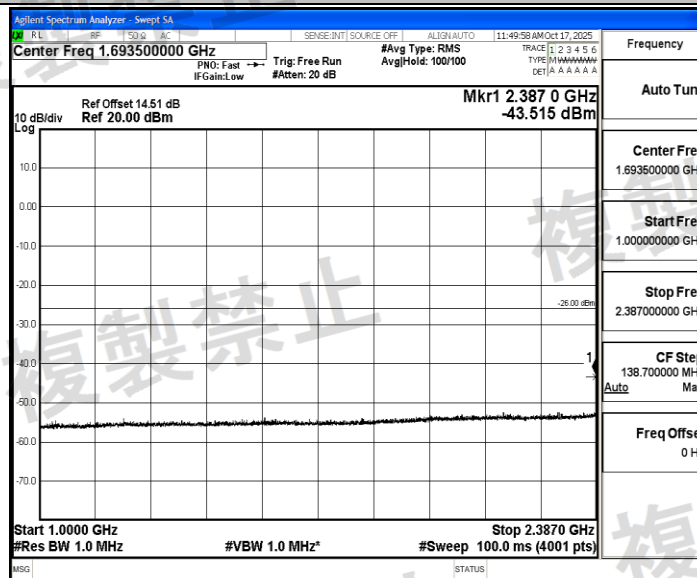
NTNV_11G_Ant1_2472_2496.5~13000



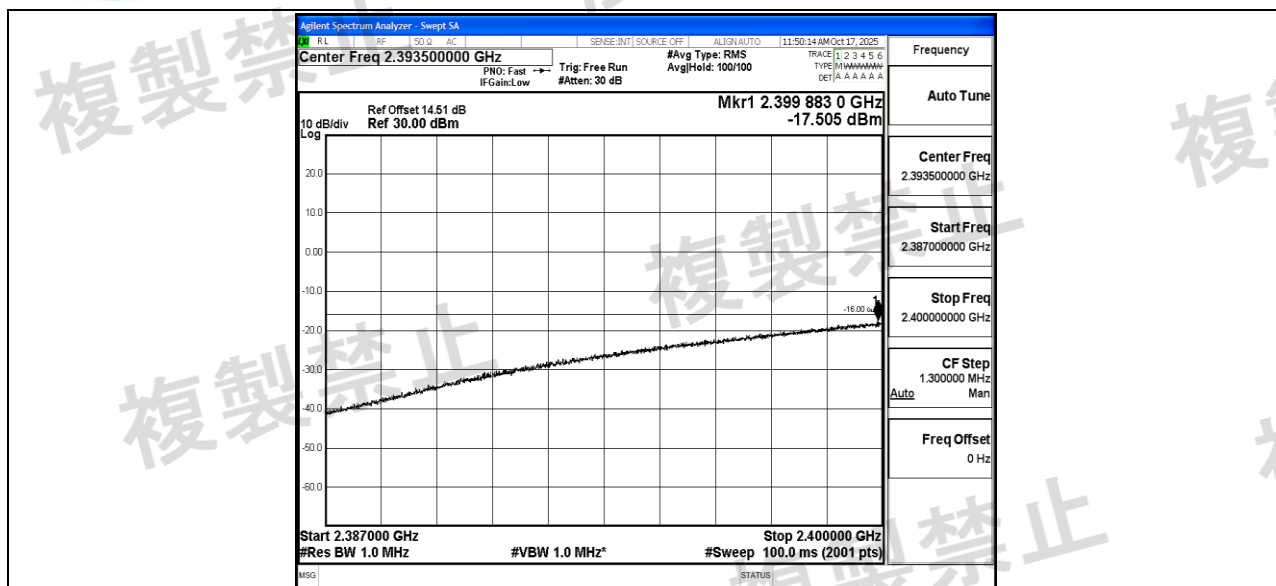
NTNV_11N20SISO_Ant1_2412_30~1000



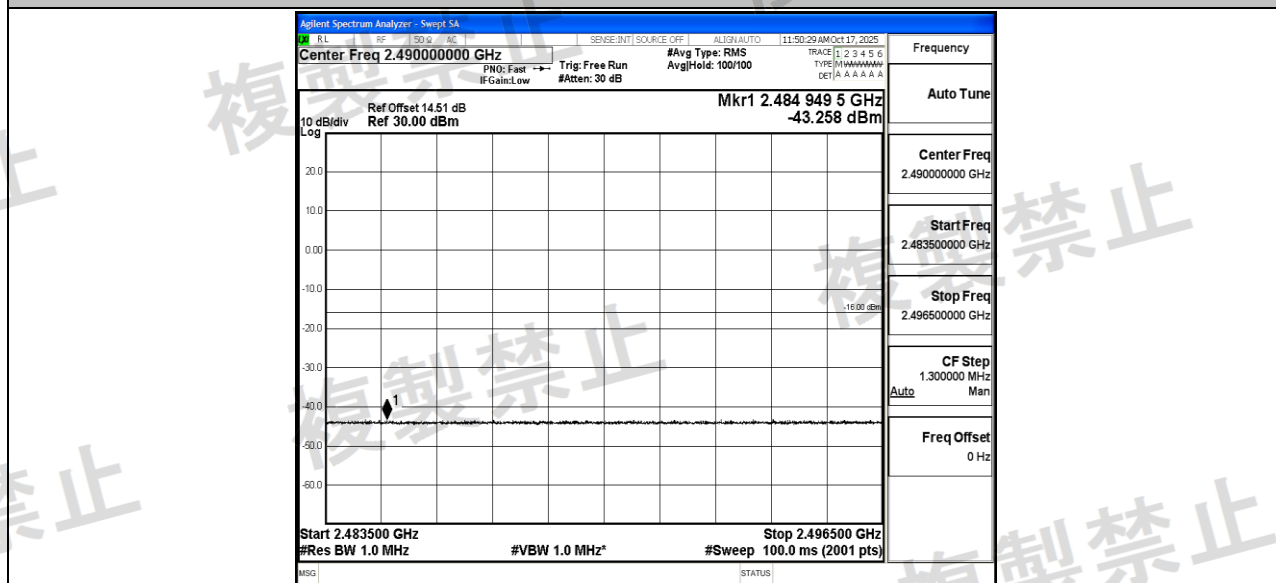
NTNV_11N20SISO_Ant1_2412_1000~2387



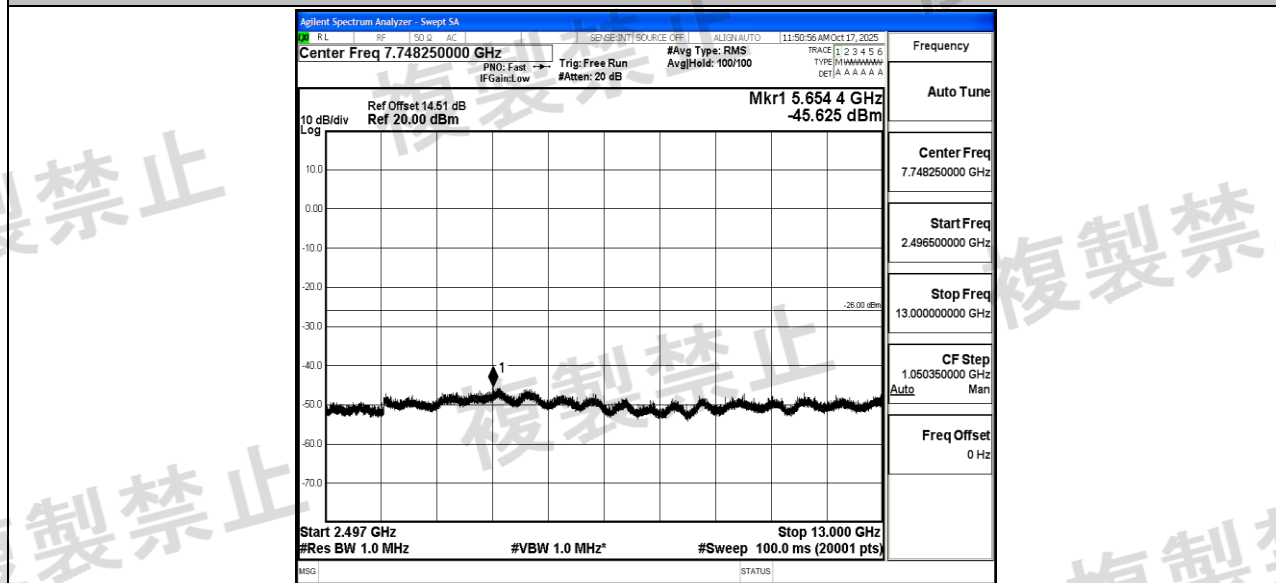
NTNV_11N20SISO_Ant1_2412_2387~2400



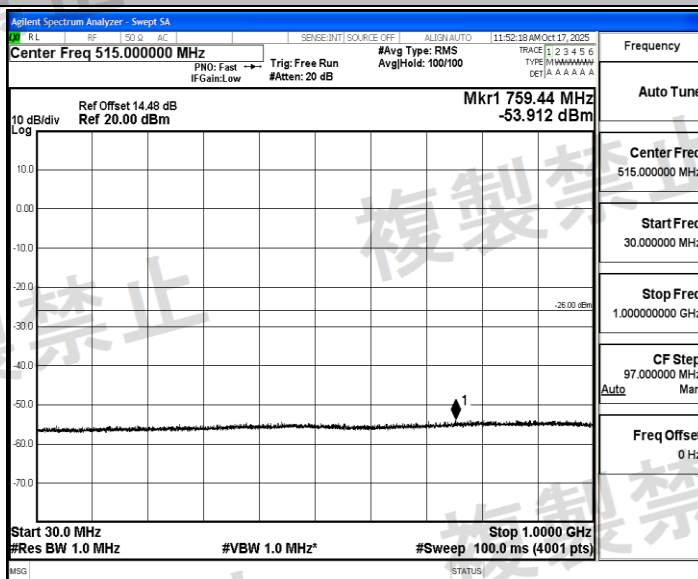
NTNV_11N20SISO_Ant1_2412_2483.5~2496.5



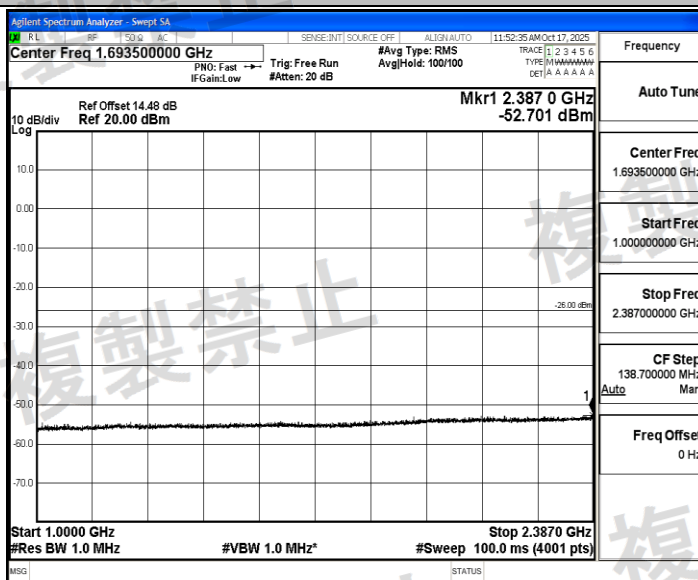
NTNV_11N20SISO_Ant1_2412_2496.5~13000



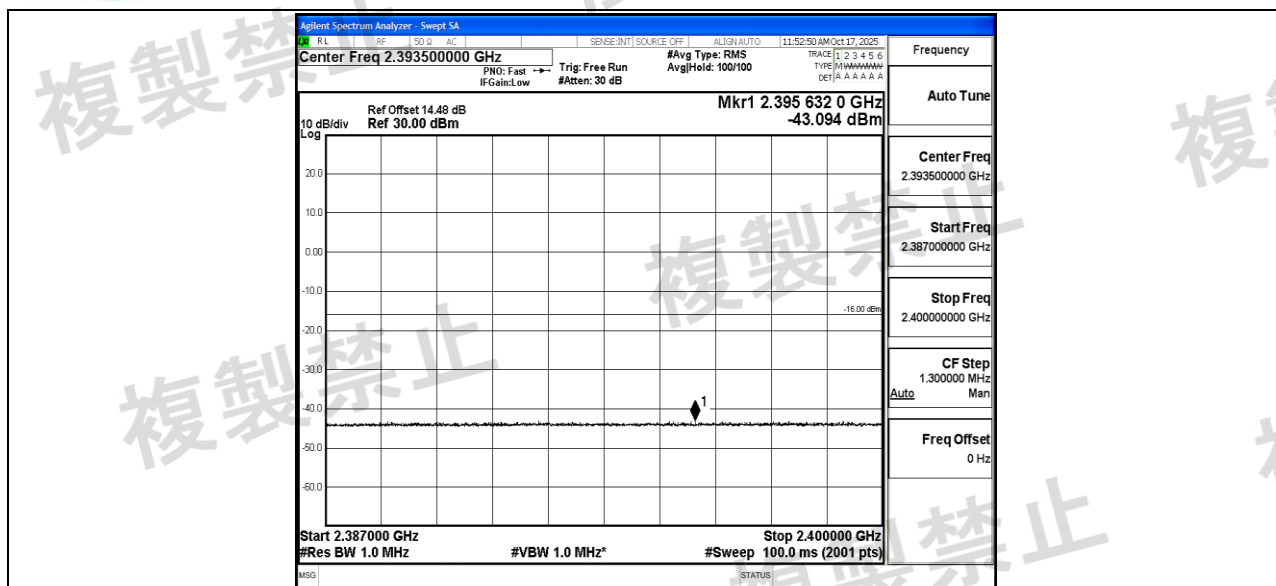
NTNV_11N20SISO_Ant1_2442_30~1000



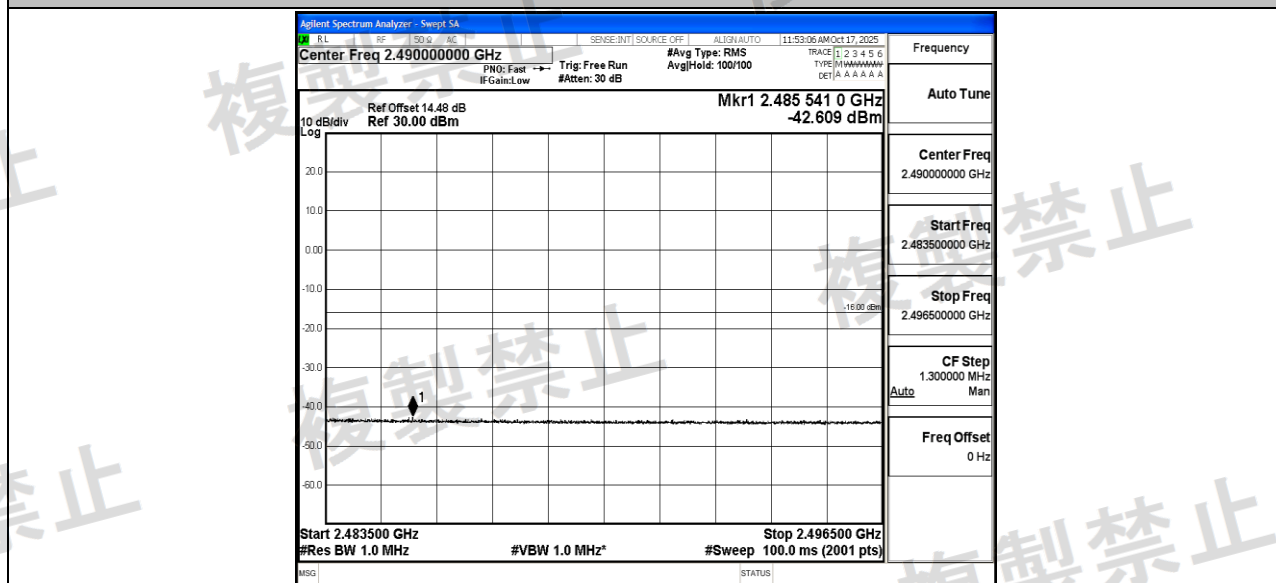
NTNV_11N20SISO_Ant1_2442_1000~2387



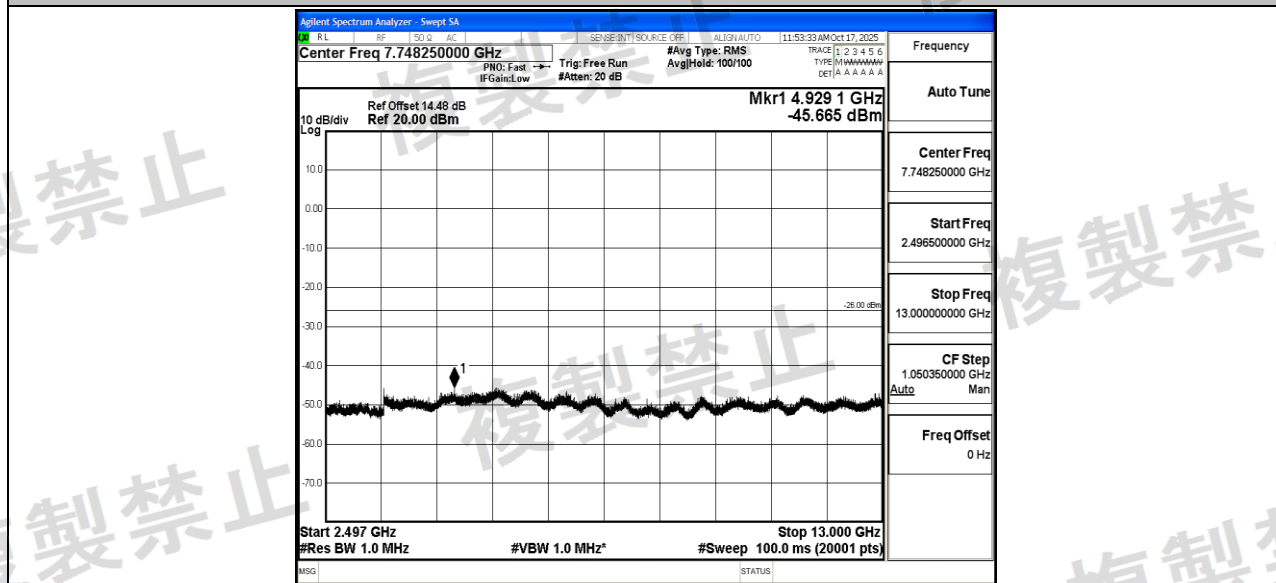
NTNV_11N20SISO_Ant1_2442_2387~2400



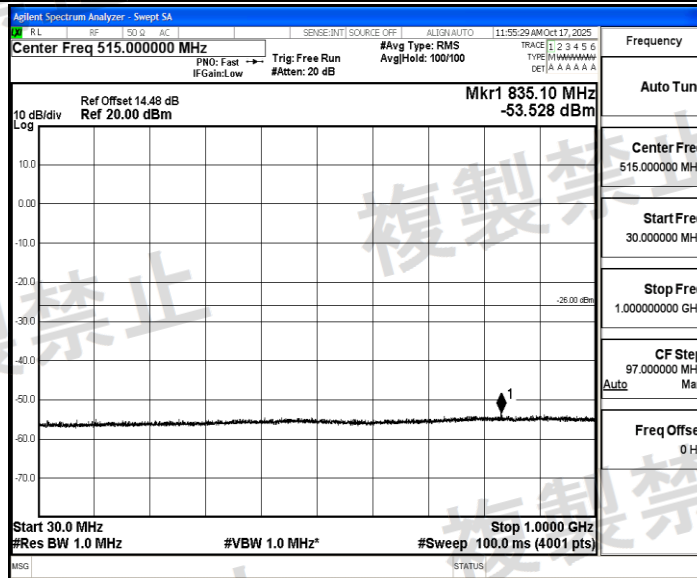
NTNV_11N20SISO_Ant1_2442_2483.5~2496.5



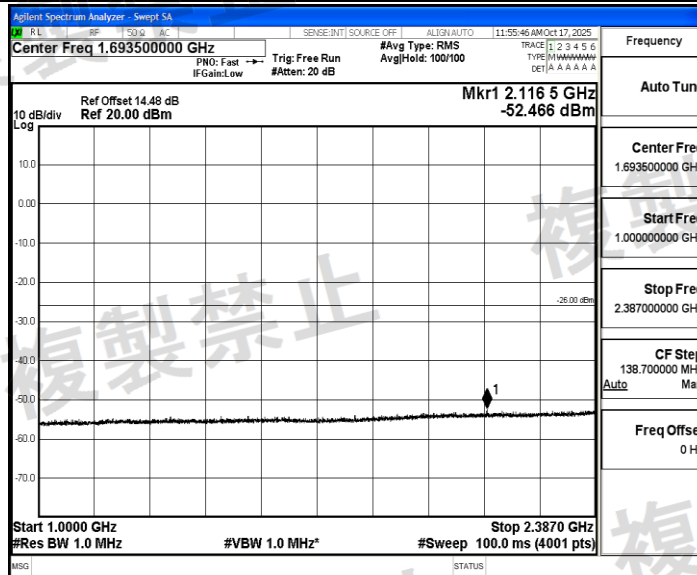
NTNV_11N20SISO_Ant1_2442_2496.5~13000



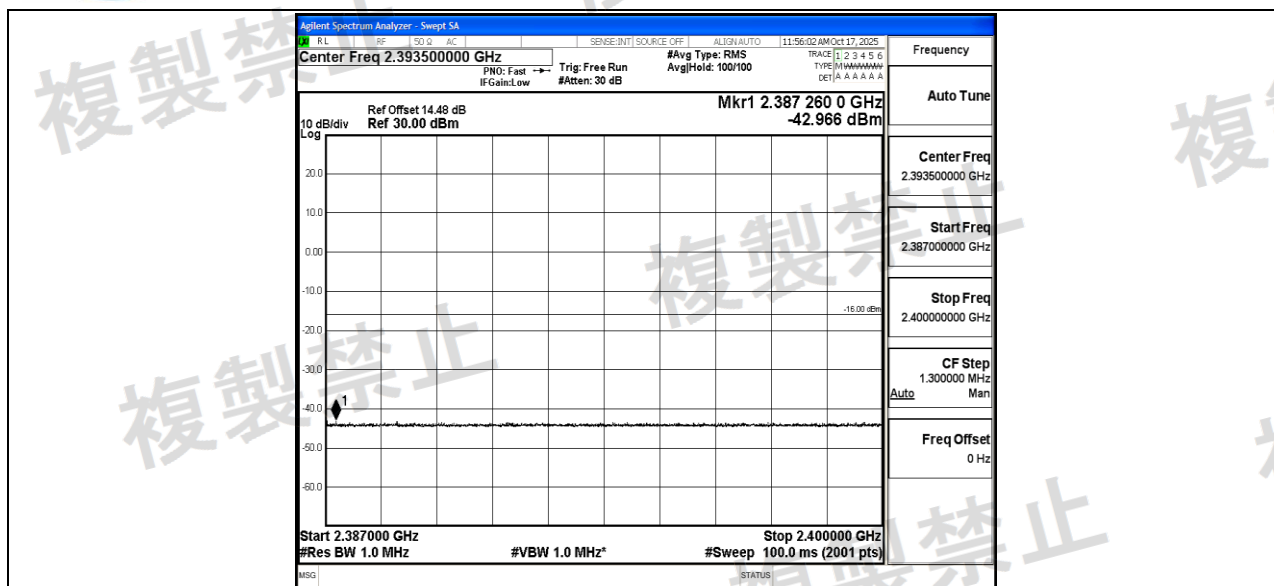
NTNV_11N20SISO_Ant1_2472_30~1000



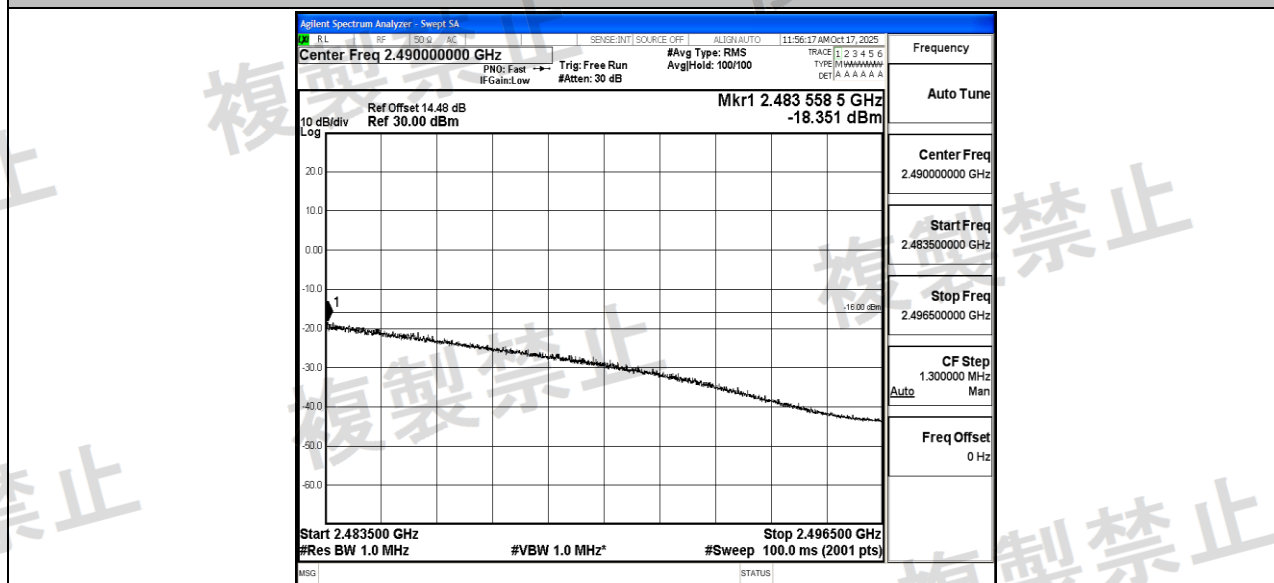
NTNV_11N20SISO_Ant1_2472_1000~2387



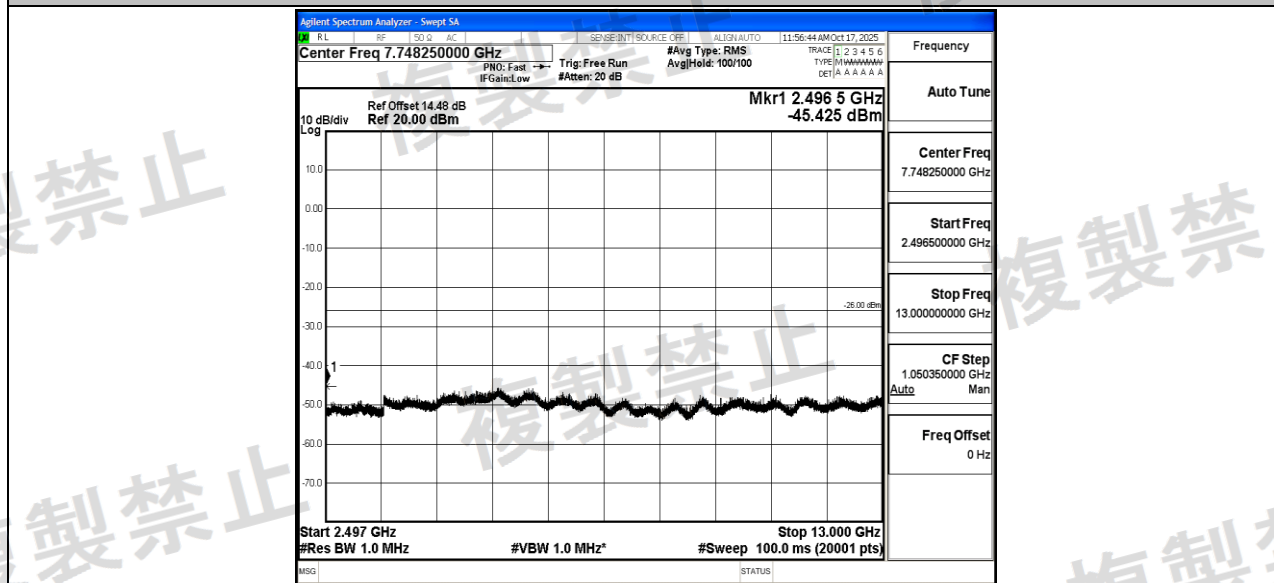
NTNV_11N20SISO_Ant1_2472_2387~2400



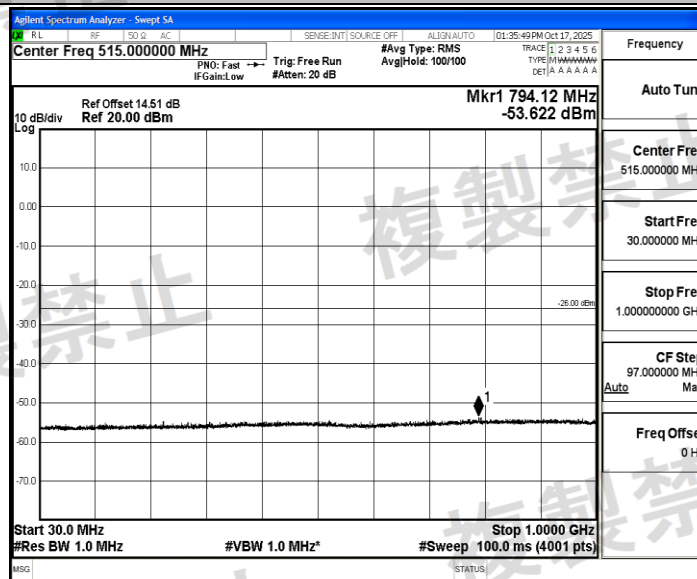
NTNV_11N20SISO_Ant1_2472_2483.5~2496.5



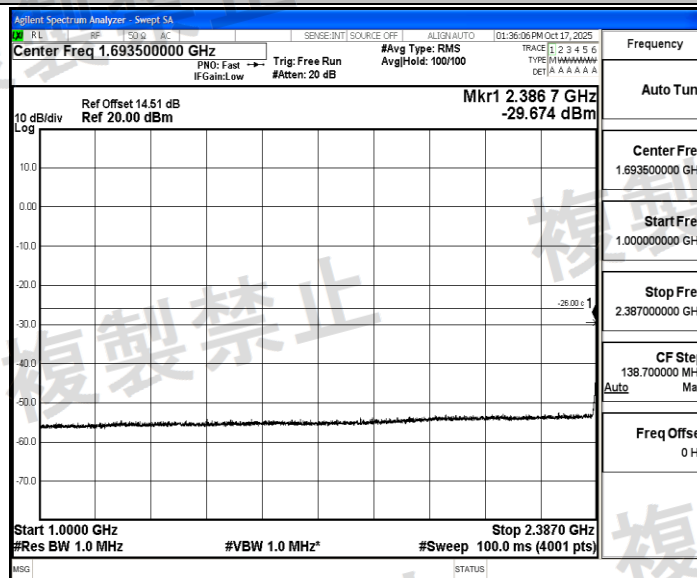
NTNV_11N20SISO_Ant1_2472_2496.5~13000



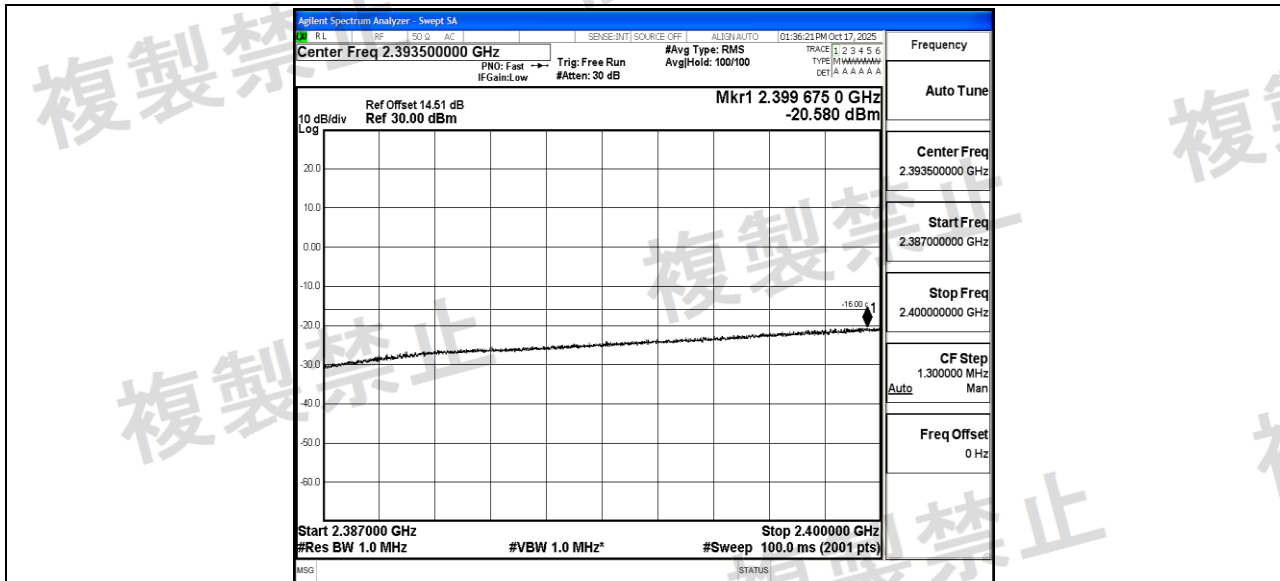
NTNV_11N40SISO_Ant1_2422_30~1000



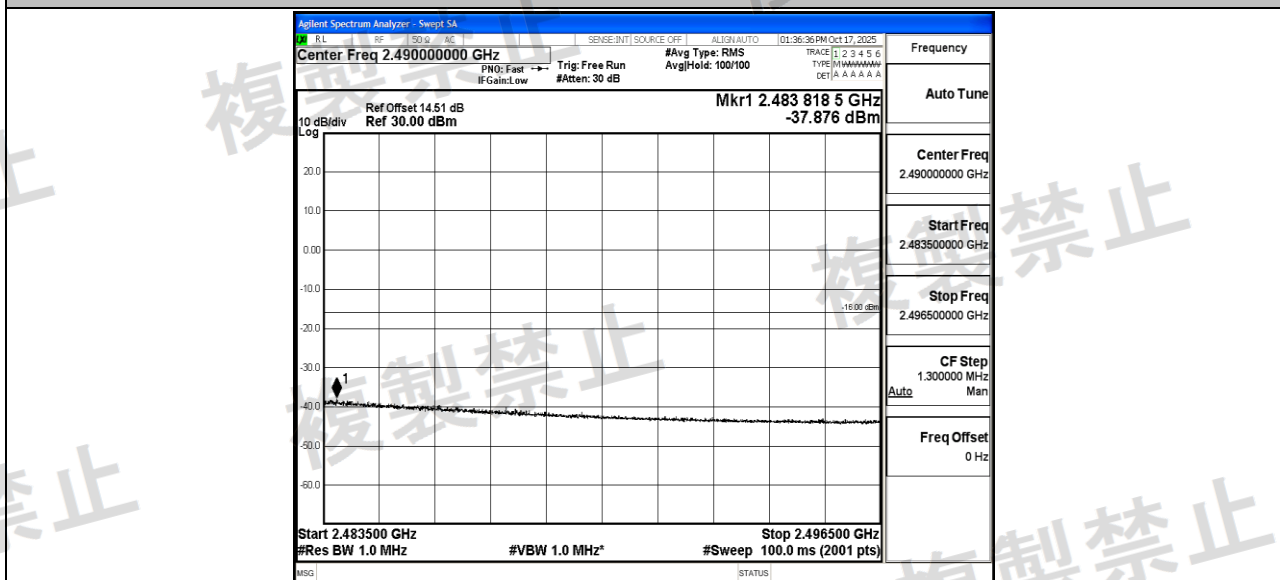
NTNV_11N40SISO_Ant1_2422_1000~2387



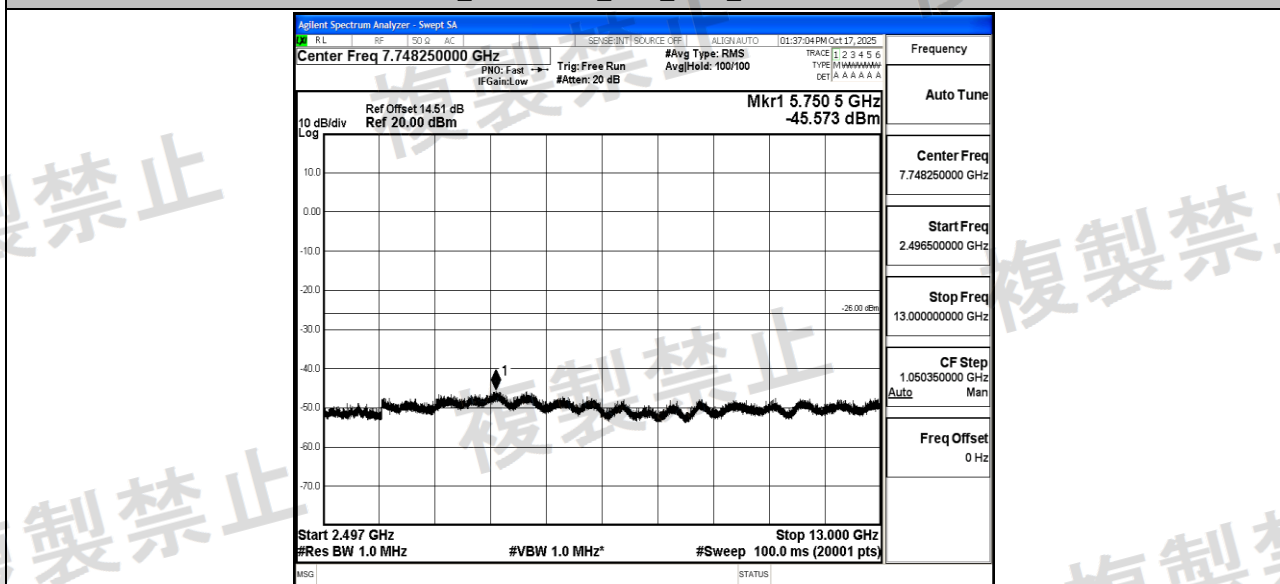
NTNV_11N40SISO_Ant1_2422_2387~2400



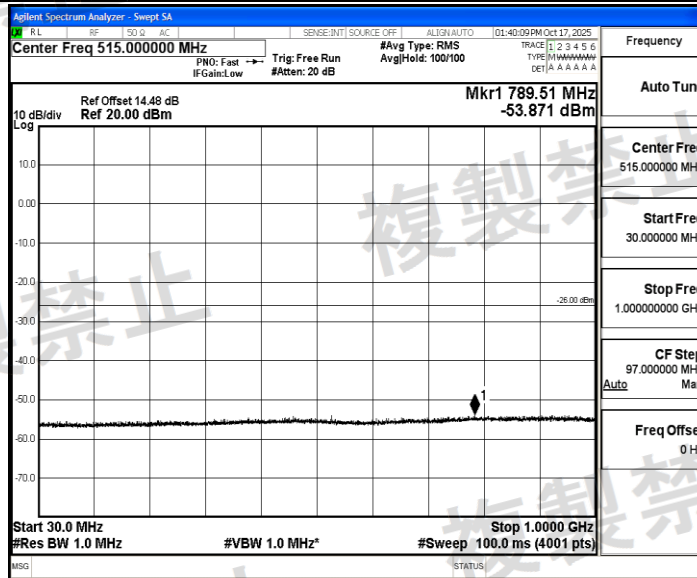
NTNV_11N40SISO_Ant1_2422_2483.5~2496.5



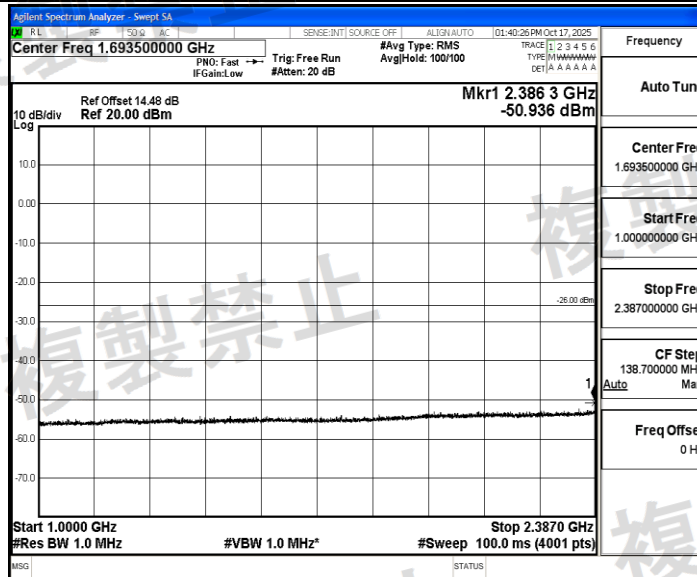
NTNV_11N40SISO_Ant1_2422_2496.5~13000



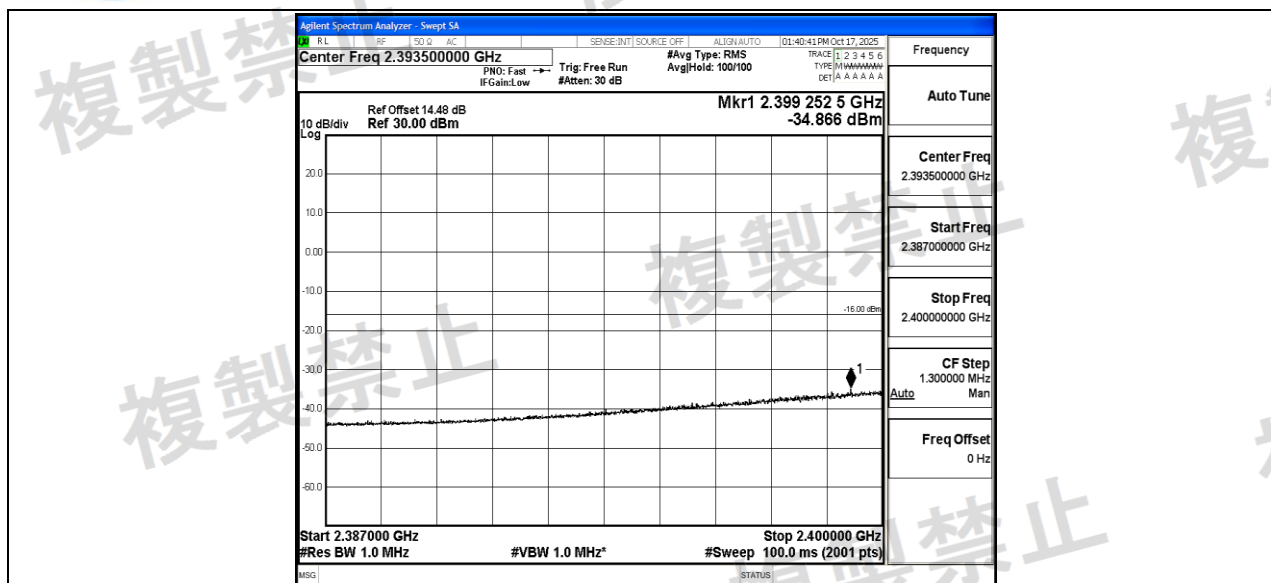
NTNV_11N40SISO_Ant1_2442_30~1000



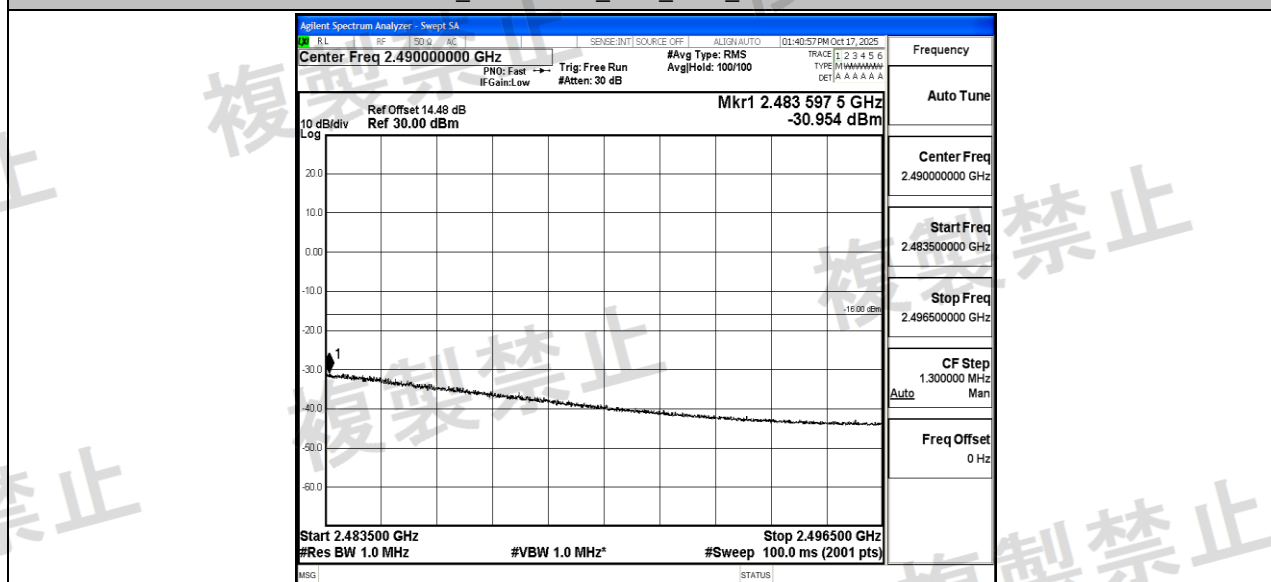
NTNV_11N40SISO_Ant1_2442_1000~2387



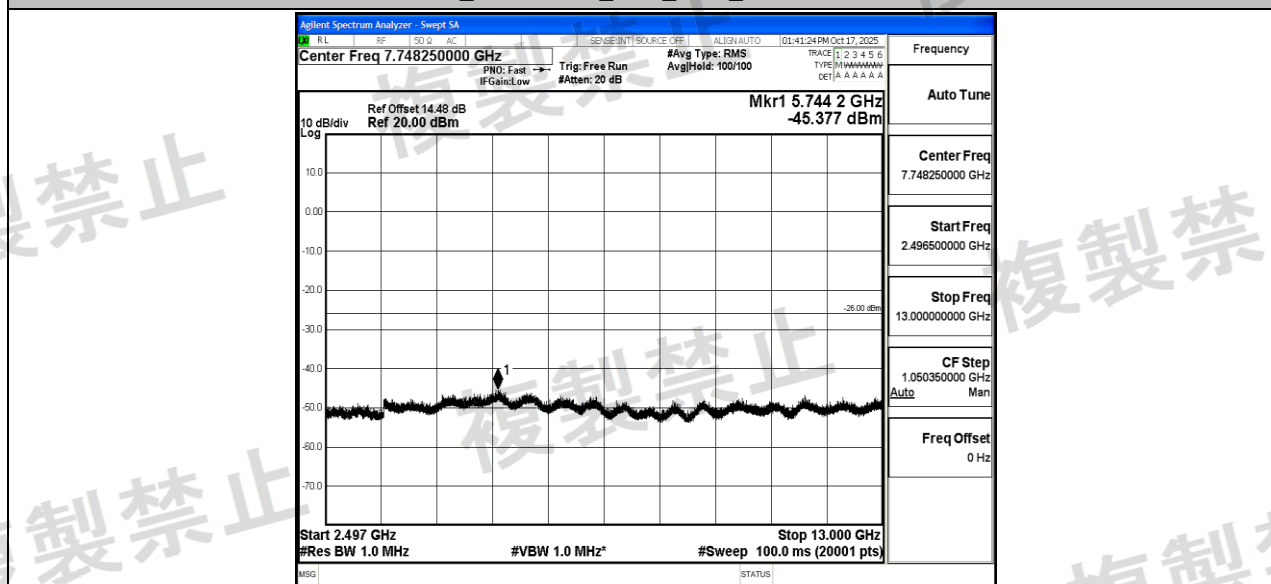
NTNV_11N40SISO_Ant1_2442_2387~2400



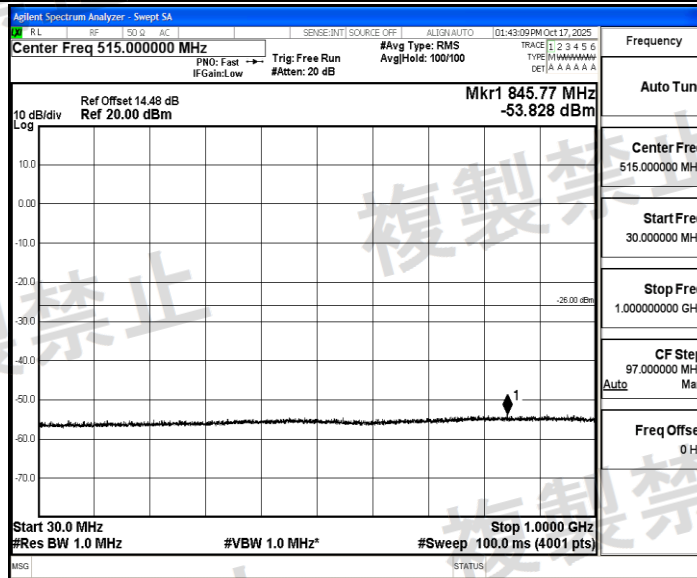
NTNV_11N40SISO_Ant1_2442_2483.5~2496.5



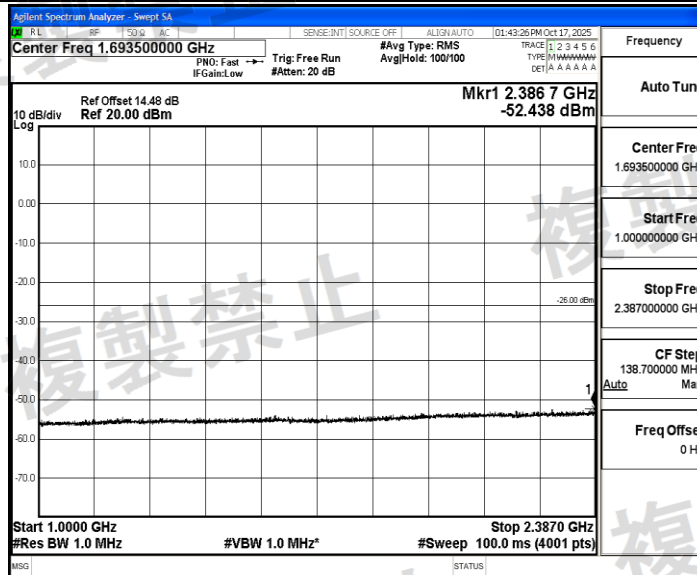
NTNV_11N40SISO_Ant1_2442_2496.5~13000



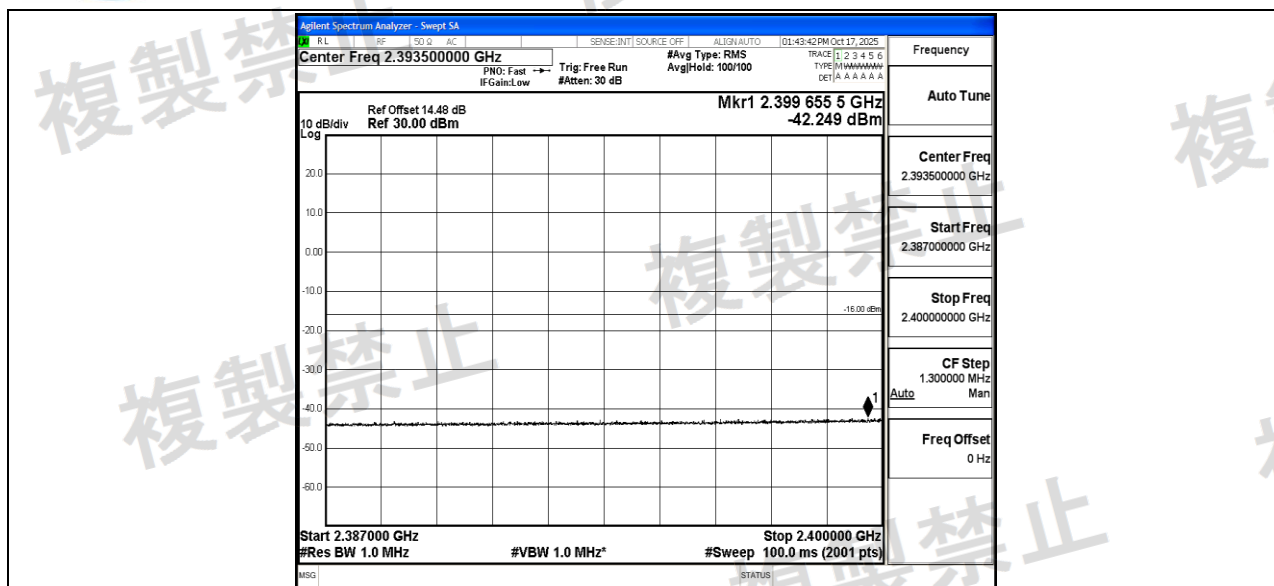
NTNV_11N40SISO_Ant1_2462_30~1000



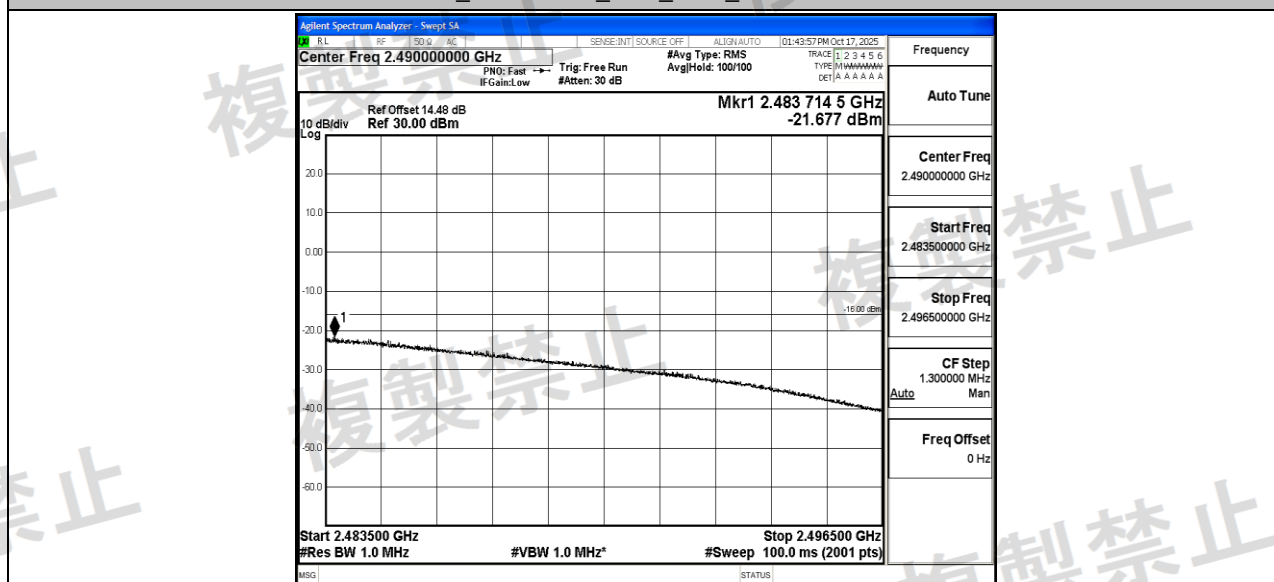
NTNV_11N40SISO_Ant1_2462_1000~2387



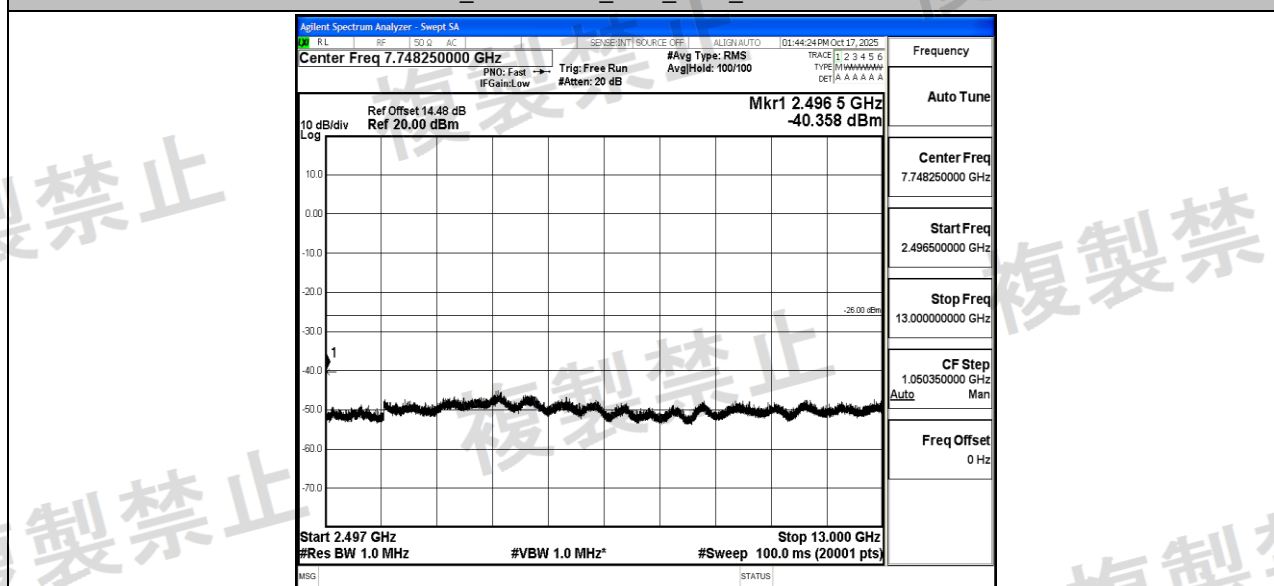
NTNV_11N40SISO_Ant1_2462_2387~2400



NTNV_11N40SISO_Ant1_2462_2483.5~2496.5



NTNV_11N40SISO_Ant1_2462_2496.5~13000



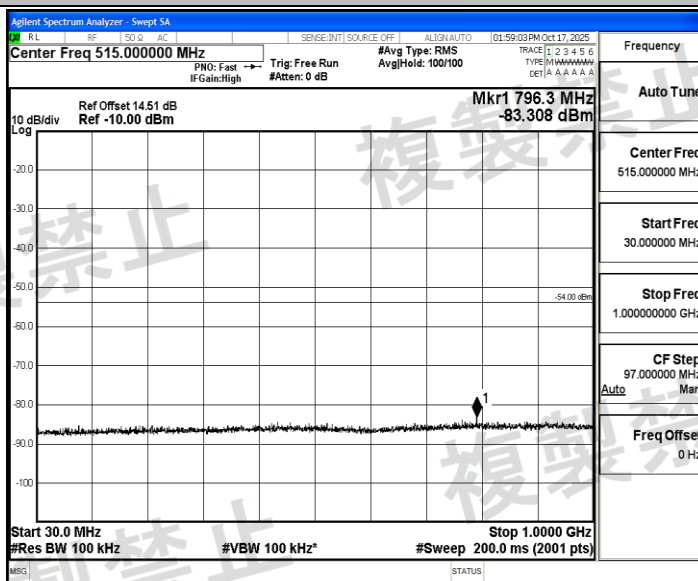
Spurious Emission of RX

Test Result

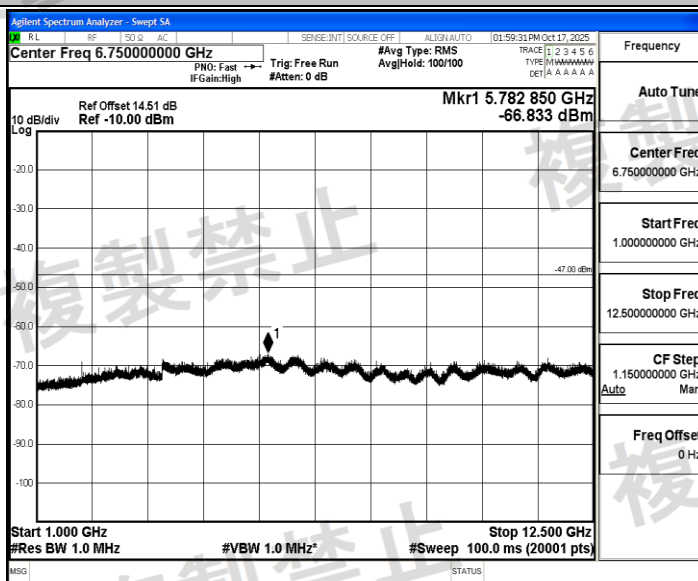
TestCondition	TestMode	Antenna	Frequency [MHz]	Freq.Range [MHz]	Result [dBm]	Limit [dBm]	Result [nW]	Limit [nW]	Verdict
NTNV	11B	Ant1	2412	30~1000	-83.31	≤-54	0.00467	≤4	PASS
				1000~12500	-66.83	≤-47	0.20749	≤20	PASS
			2442	30~1000	-84.11	≤-54	0.00388	≤4	PASS
				1000~12500	-66.88	≤-47	0.20512	≤20	PASS
			2472	30~1000	-84.16	≤-54	0.00384	≤4	PASS
				1000~12500	-66.93	≤-47	0.20277	≤20	PASS
	11G	Ant1	2412	30~1000	-73.34	≤-54	0.04634	≤4	PASS
				1000~12500	-64.83	≤-47	0.32885	≤20	PASS
			2442	30~1000	-84.23	≤-54	0.00378	≤4	PASS
				1000~12500	-65.18	≤-47	0.30339	≤20	PASS
			2472	30~1000	-83.92	≤-54	0.00406	≤4	PASS
				1000~12500	-66.54	≤-47	0.22182	≤20	PASS
	11N20SISO	Ant1	2412	30~1000	-83.77	≤-54	0.00420	≤4	PASS
				1000~12500	-67.12	≤-47	0.19409	≤20	PASS
			2442	30~1000	-81.42	≤-54	0.00721	≤4	PASS
				1000~12500	-66.7	≤-47	0.21380	≤20	PASS
			2472	30~1000	-78.05	≤-54	0.01567	≤4	PASS
				1000~12500	-66.16	≤-47	0.24210	≤20	PASS
	11N40SISO	Ant1	2422	30~1000	-84.04	≤-54	0.00394	≤4	PASS
				1000~12500	-66.91	≤-47	0.20370	≤20	PASS
			2442	30~1000	-83.82	≤-54	0.00415	≤4	PASS
				1000~12500	-66.96	≤-47	0.20137	≤20	PASS
			2462	30~1000	-80.7	≤-54	0.00851	≤4	PASS
				1000~12500	-66.84	≤-47	0.20701	≤20	PASS

Test Graphs

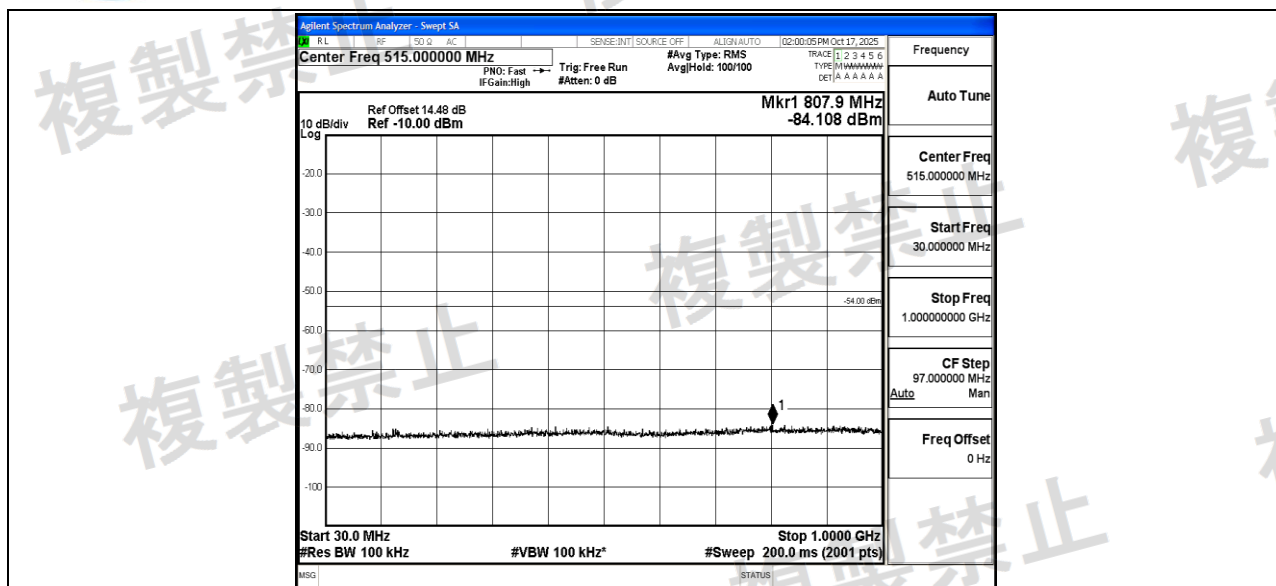
NTNV_11B_Ant1_2412_30~1000



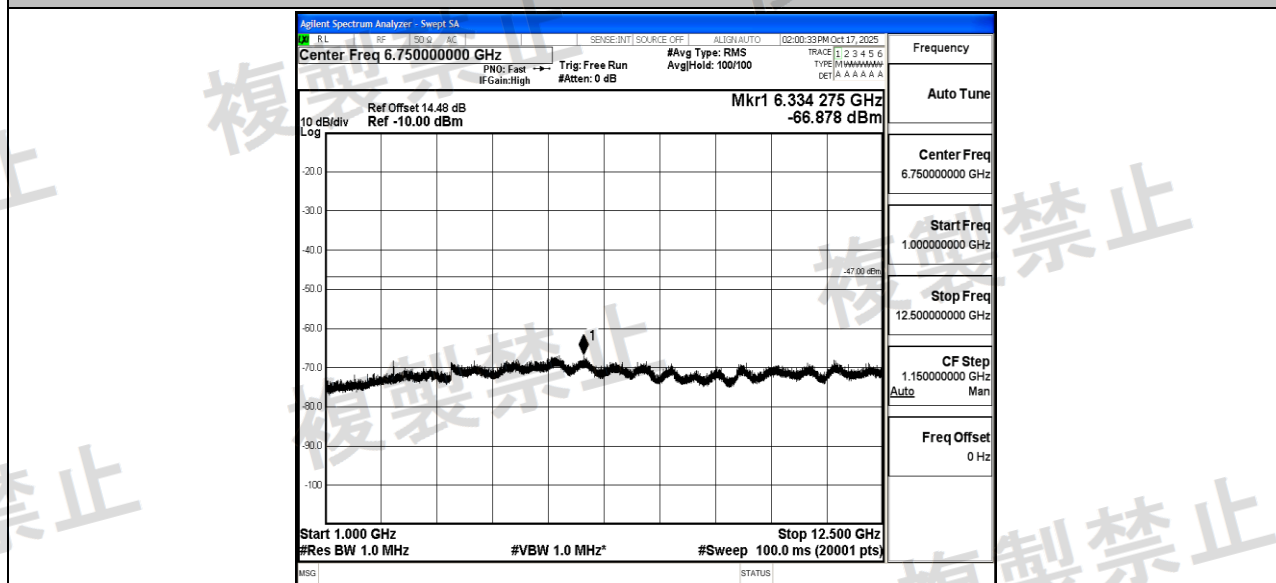
NTNV_11B_Ant1_2412_1000~12500



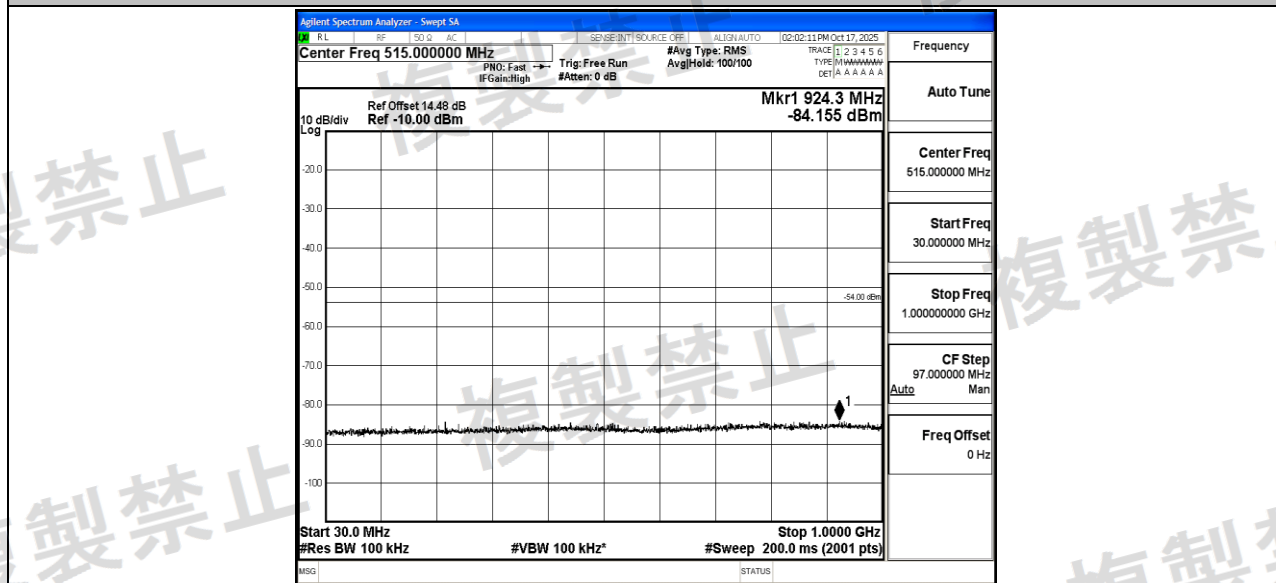
NTNV_11B_Ant1_2442_30~1000



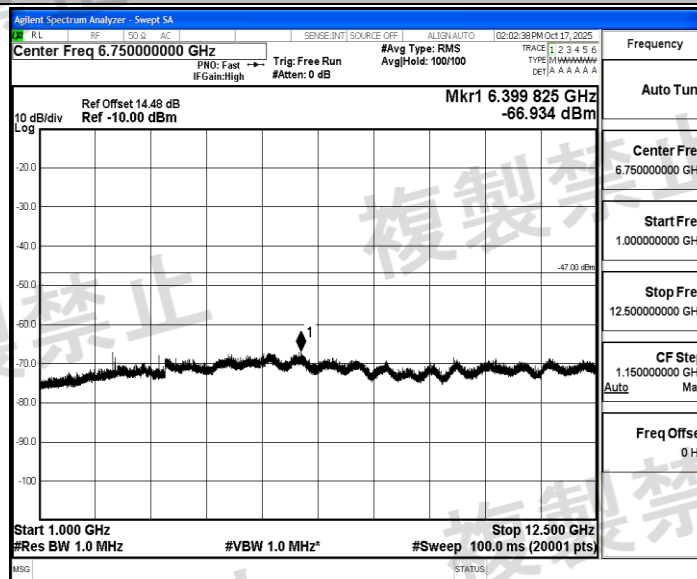
NTNV_11B_Ant1_2442_1000~12500



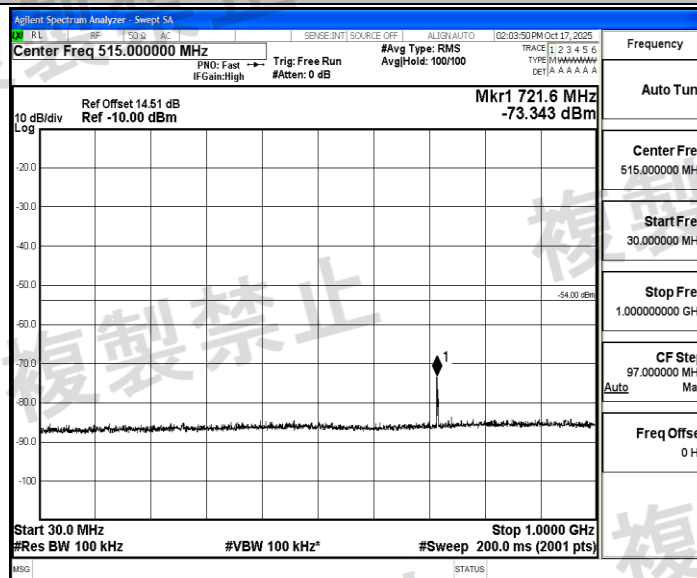
NTNV_11B_Ant1_2472_30~1000



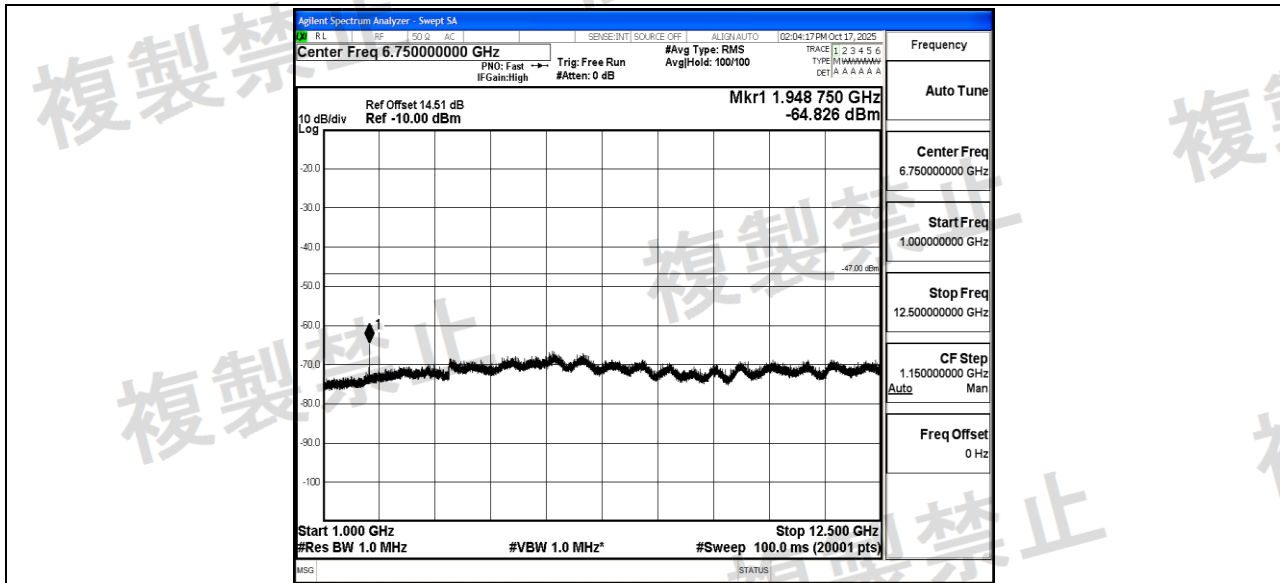
NTNV_11B_Ant1_2472_1000~12500



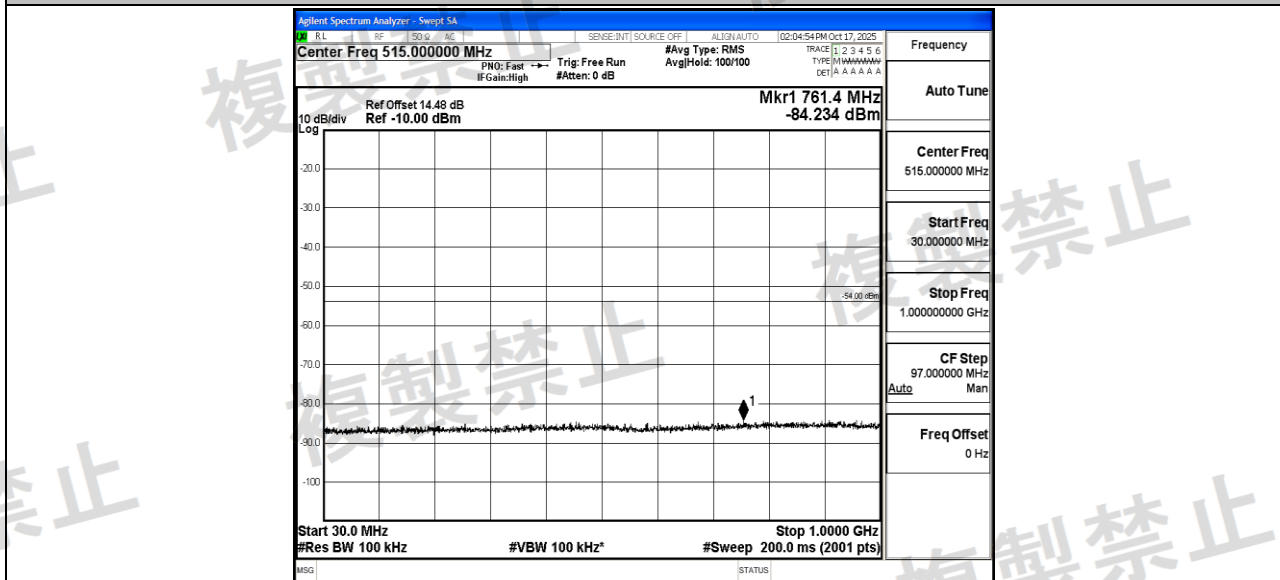
NTNV_11G_Ant1_2412_30~1000



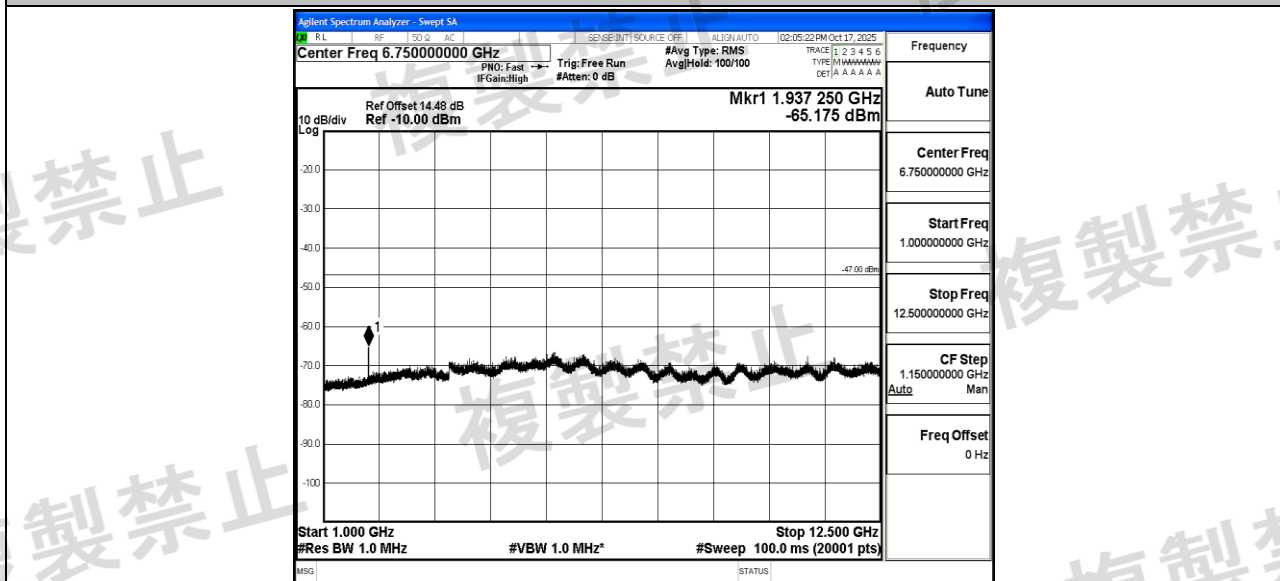
NTNV_11G_Ant1_2412_1000~12500



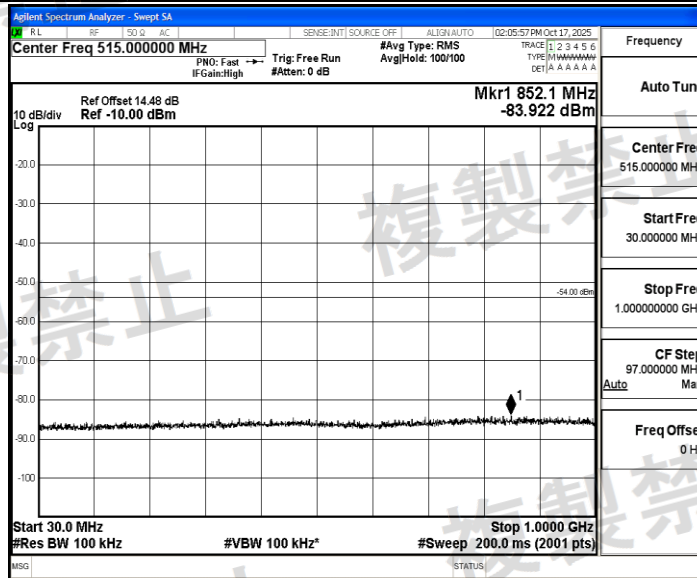
NTNV_11G_Ant1_2442_30~1000



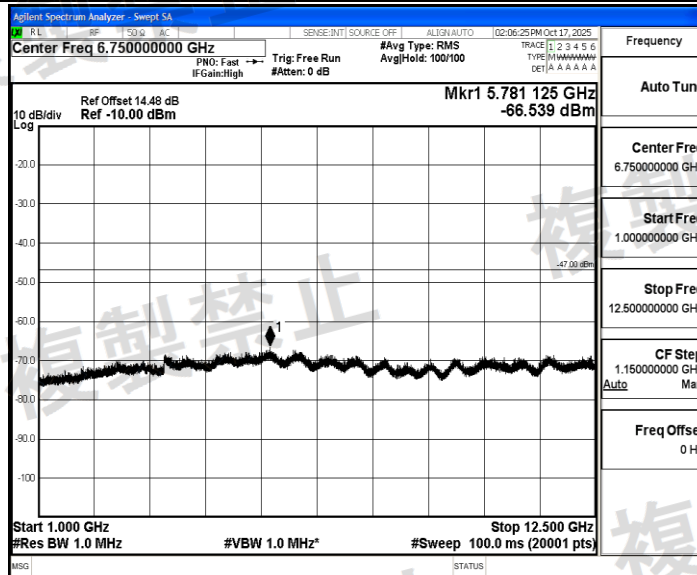
NTNV_11G_Ant1_2442_1000~12500



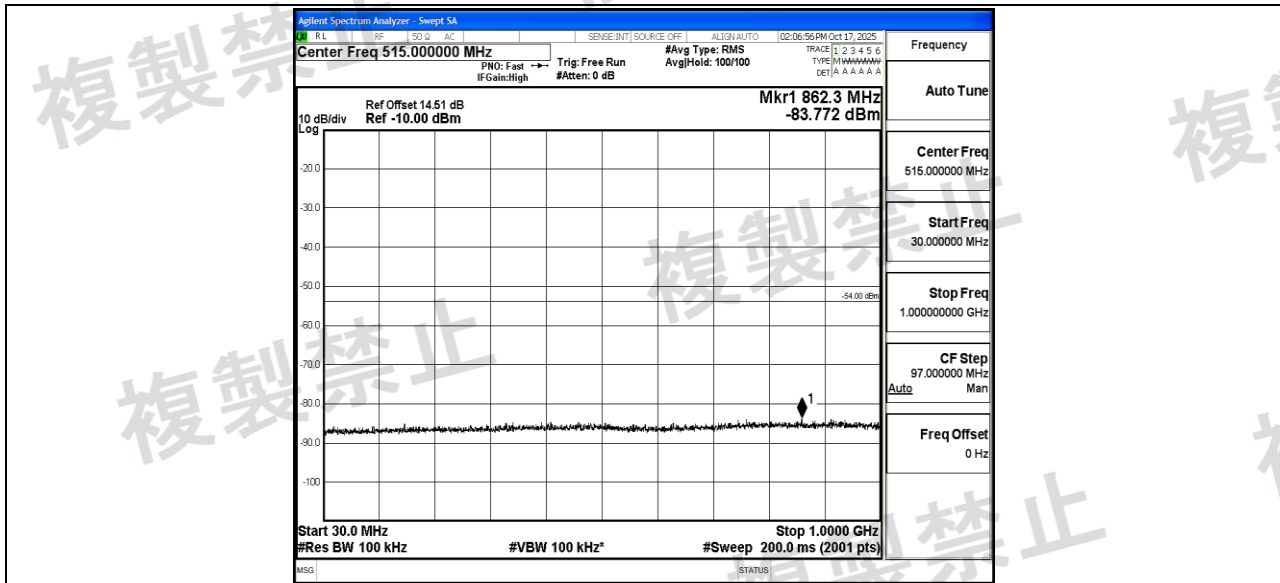
NTNV_11G_Ant1_2472_30~1000



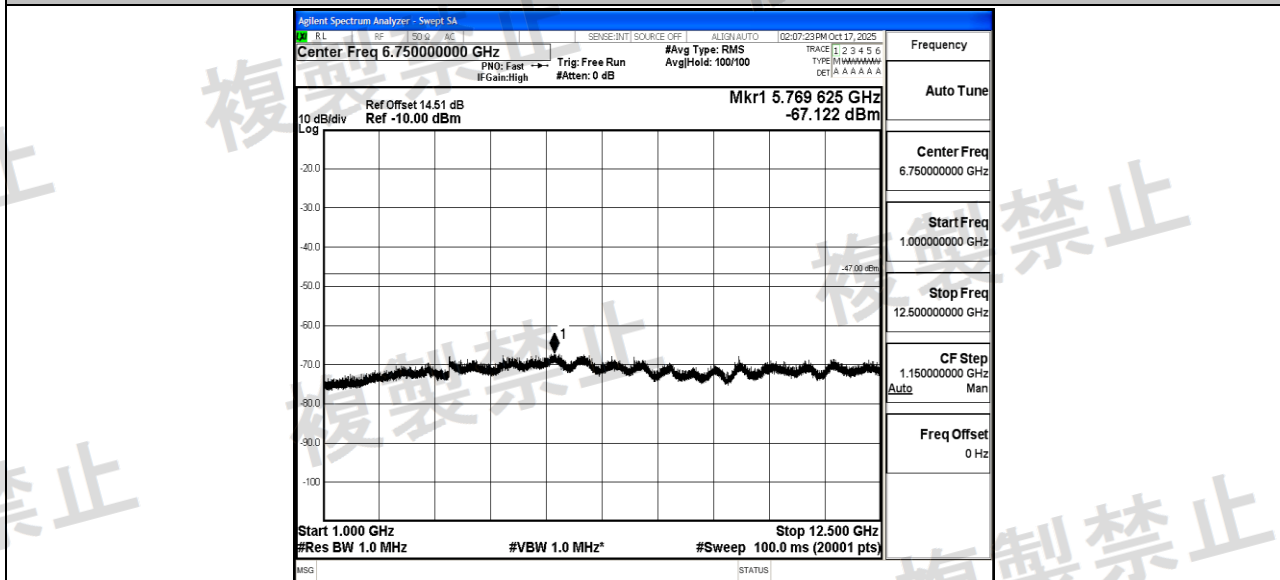
NTNV_11G_Ant1_2472_1000~12500



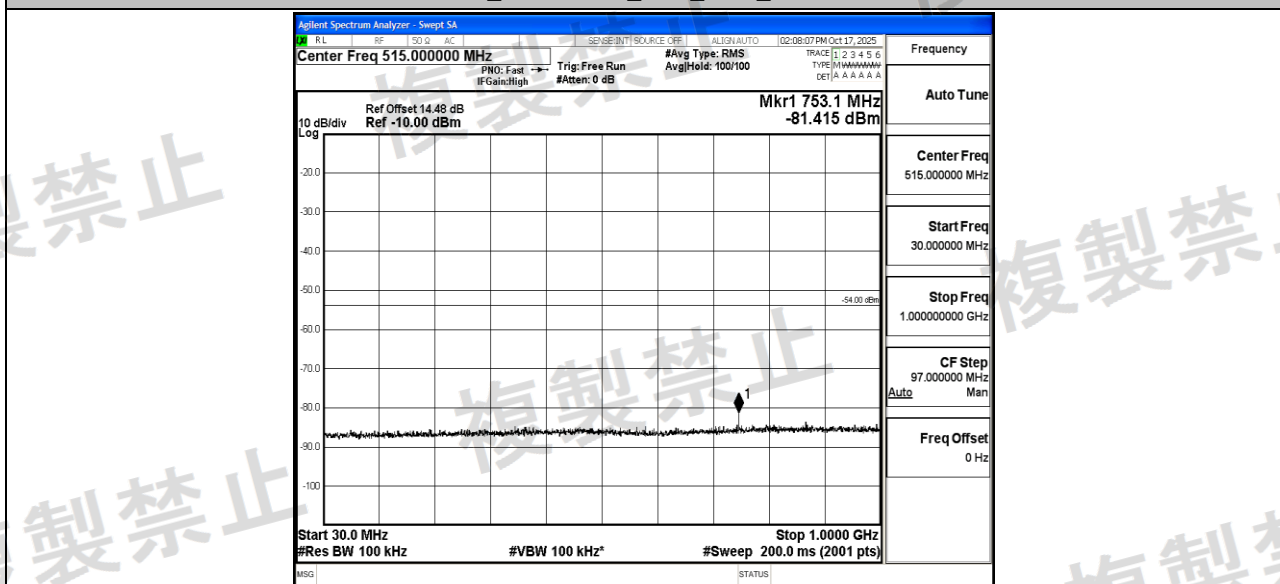
NTNV_11N20SISO_Ant1_2412_30~1000



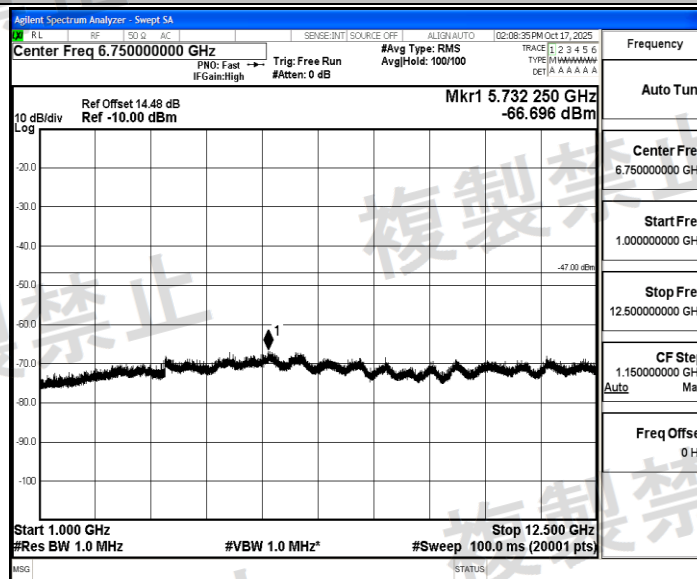
NTNV_11N20SISO_Ant1_2412_1000~12500



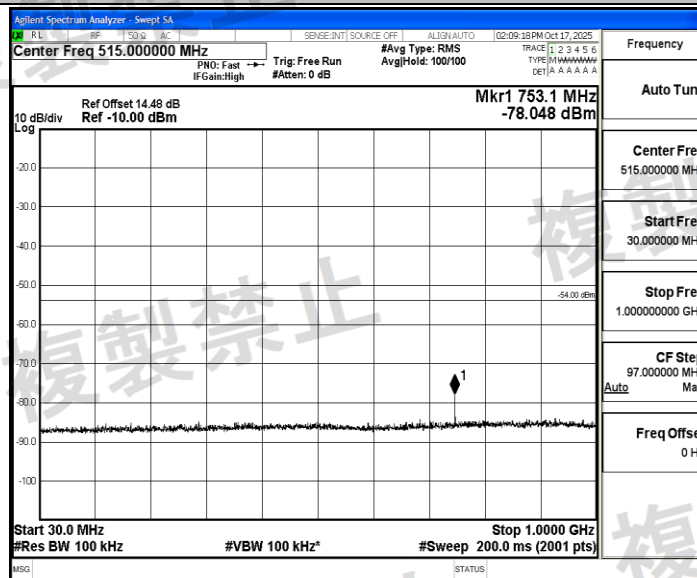
NTNV_11N20SISO_Ant1_2442_30~1000



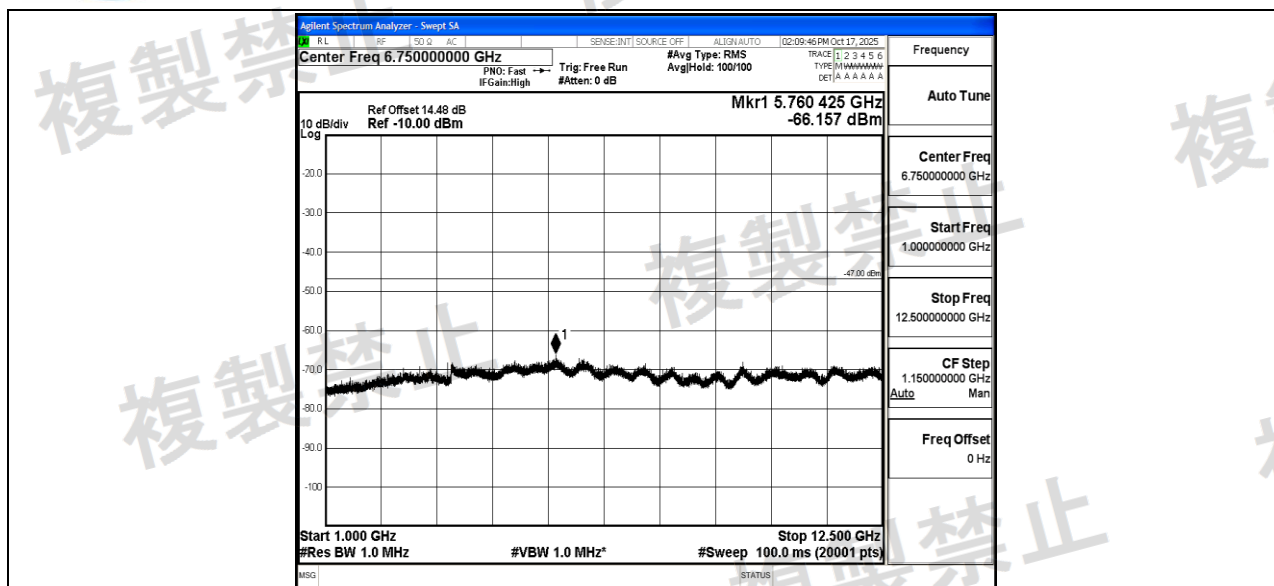
NTNV_11N20SISO_Ant1_2442_1000~12500



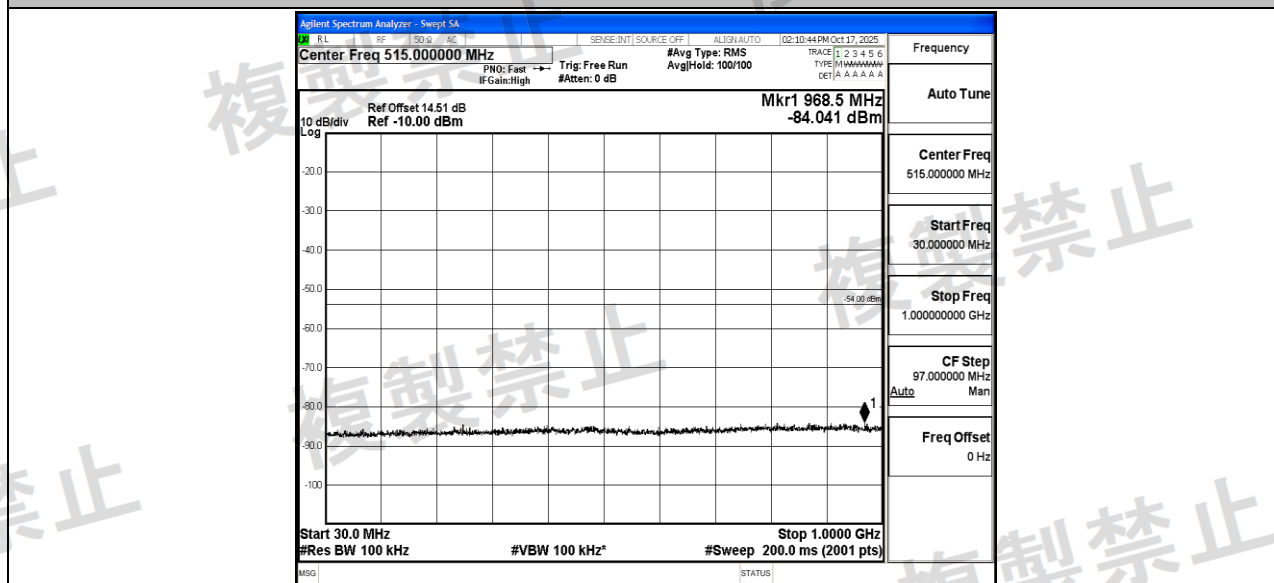
NTNV_11N20SISO_Ant1_2472_30~1000



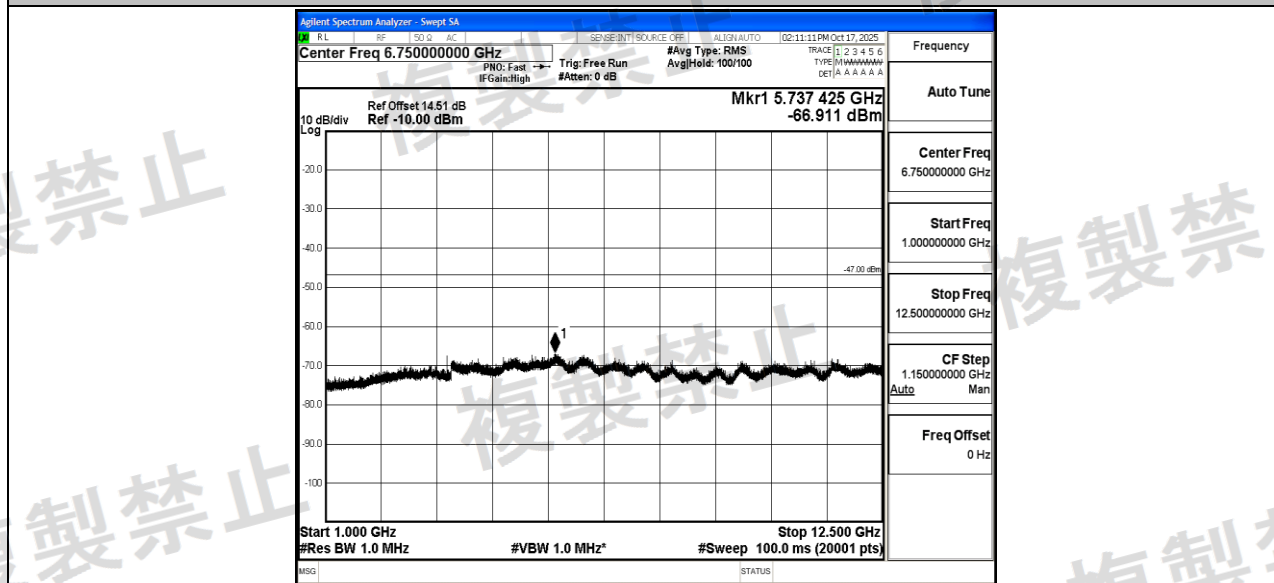
NTNV_11N20SISO_Ant1_2472_1000~12500



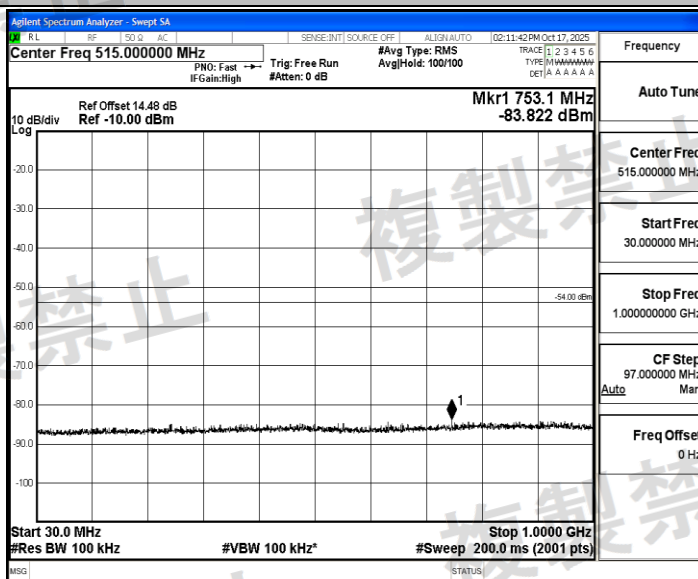
NTNV_11N40SISO_Ant1_2422_30~1000



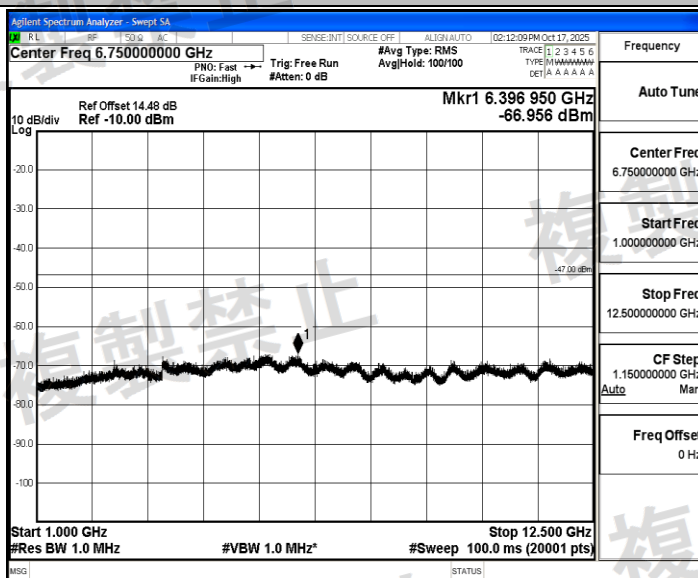
NTNV_11N40SISO_Ant1_2422_1000~12500



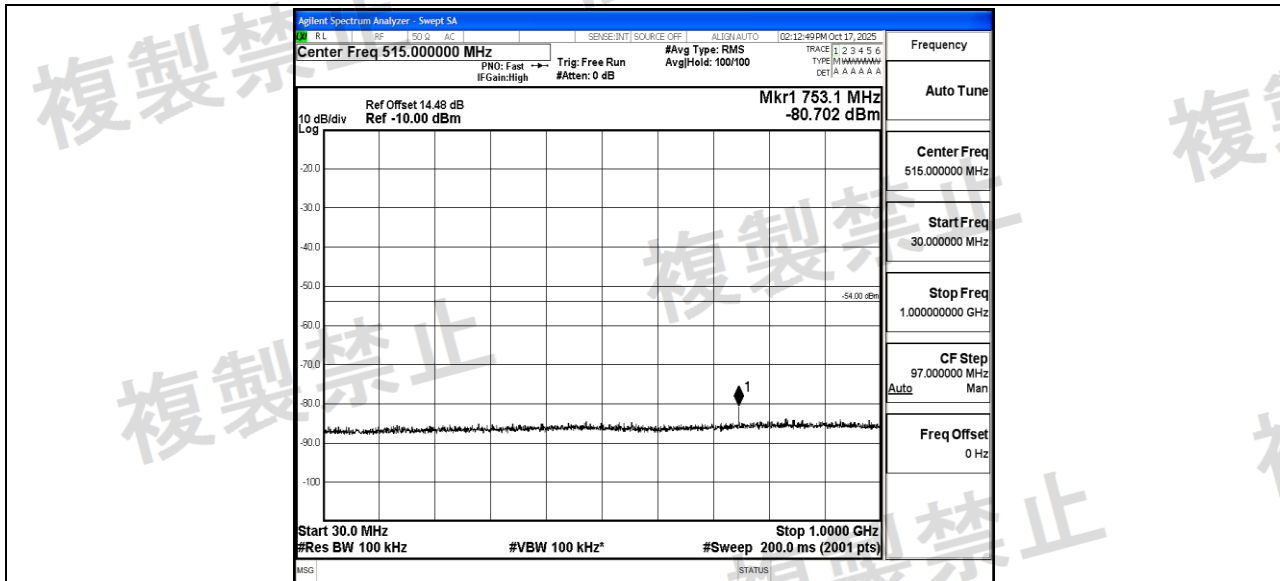
NTNV_11N40SISO_Ant1_2442_30~1000



NTNV_11N40SISO_Ant1_2442_1000~12500



NTNV_11N40SISO_Ant1_2462_30~1000



NTNV_11N40SISO_Ant1_2462_1000~12500

