

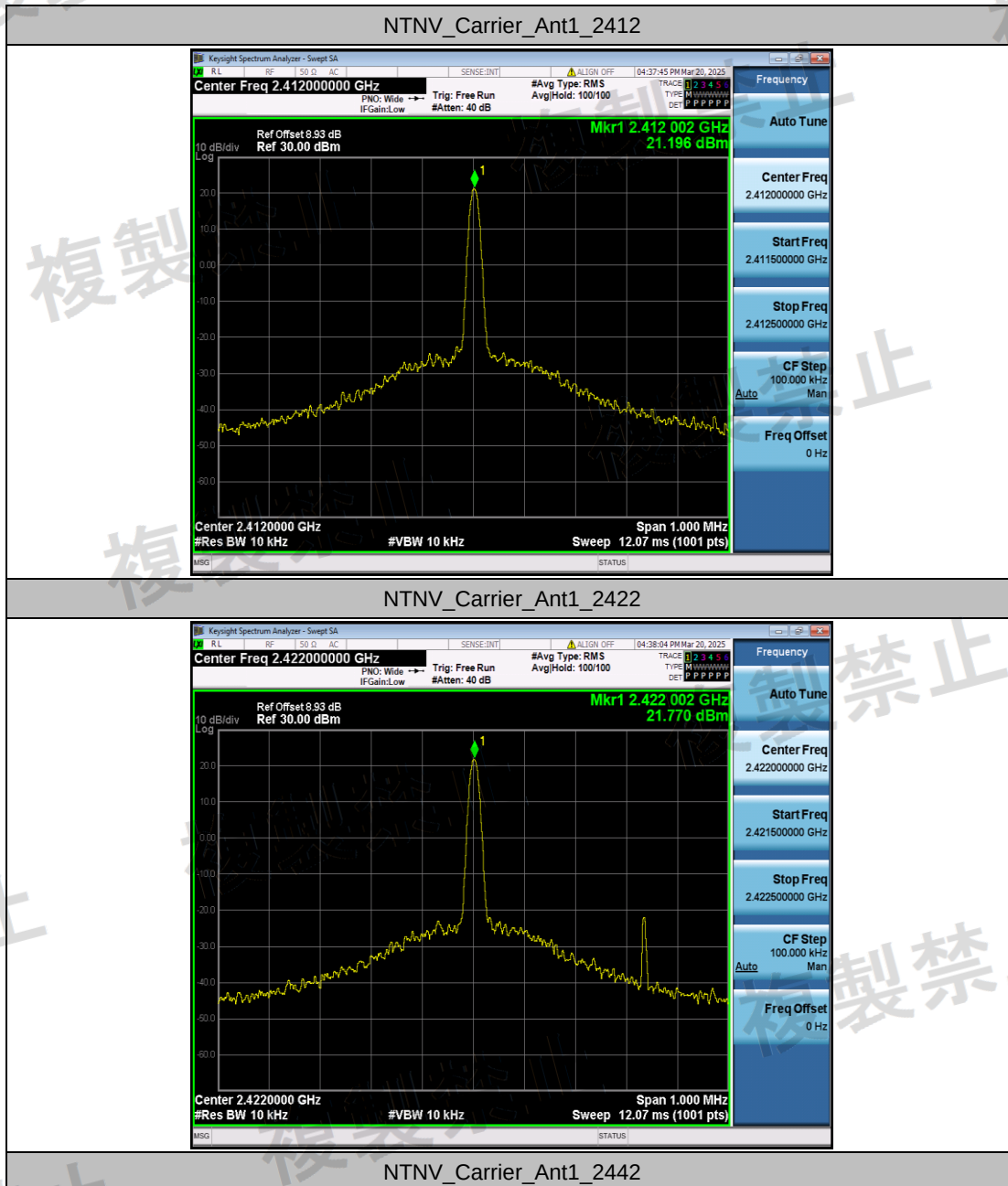
Case No. : GTS20250210016-2-02	
Ambient Condition: 22 °C, 51 %RH, Atmos100.1Kpa,	
Test Date: 2025.3.19	Test Engineer: Evan ouyang

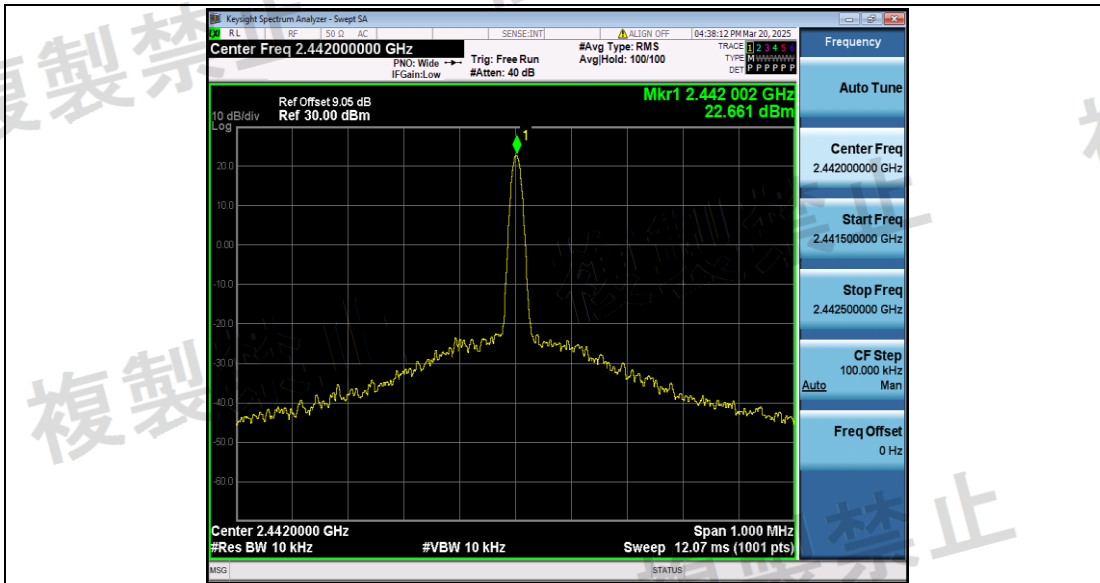
Appendix B.1: Frequency Error

Test Result

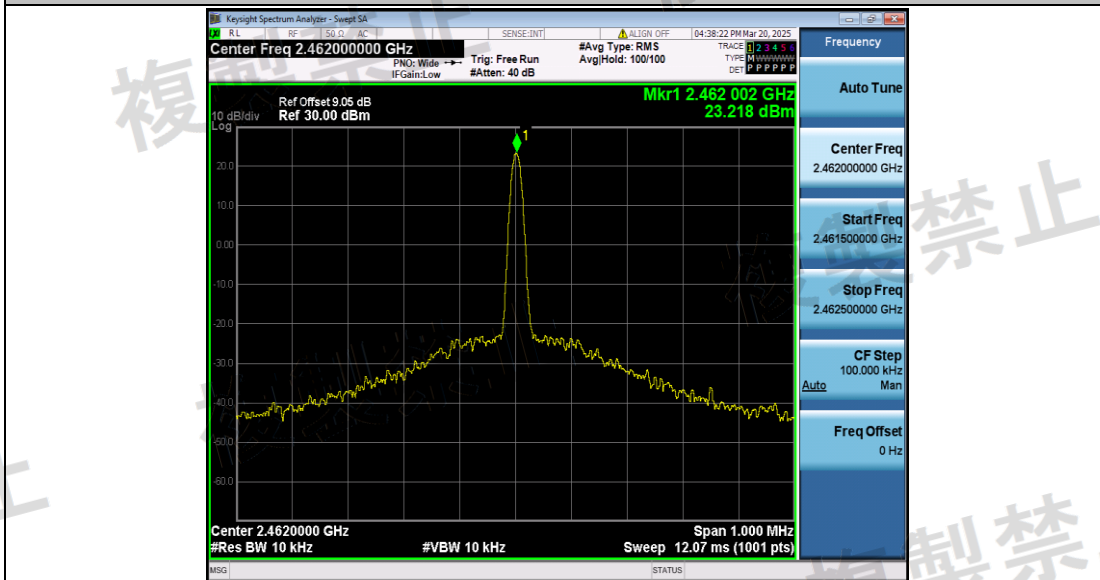
Test Condition	Test Mode	Antenna	Frequency [MHz]	Result[ppm]	Limit[ppm]	Verdict
NTNV	Carrier	Ant1	2412	0.82919	±50	PASS
			2422	0.82576	±50	PASS
			2442	0.81900	±50	PASS
			2462	0.81235	±50	PASS
			2472	0.80906	±50	PASS

Test Graphs

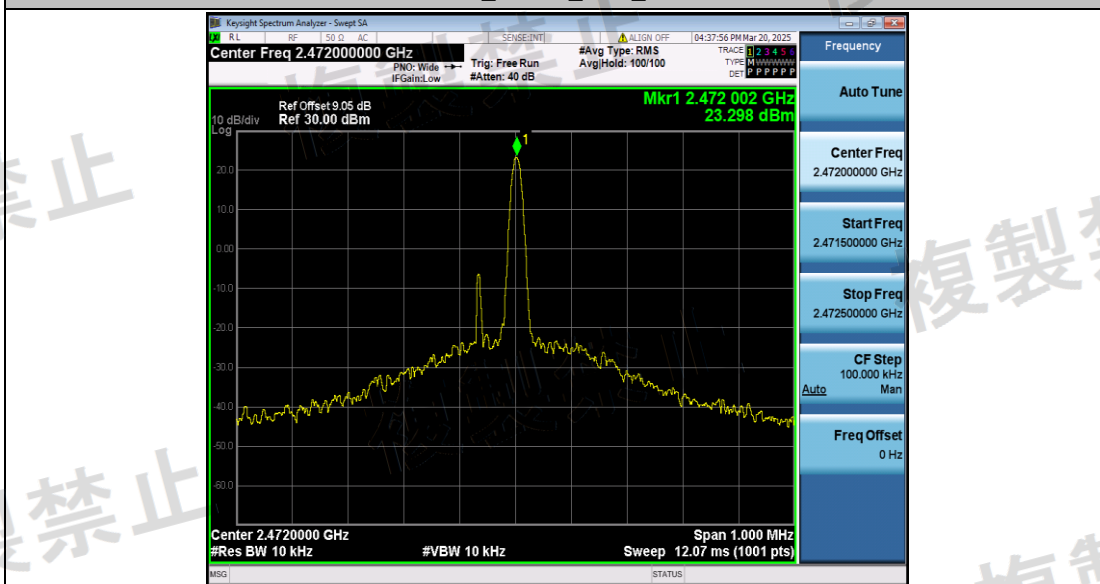




NTNV_Carrier_Ant1_2462



NTNV_Carrier_Ant1_2472



Appendix B.2: Antenna Power

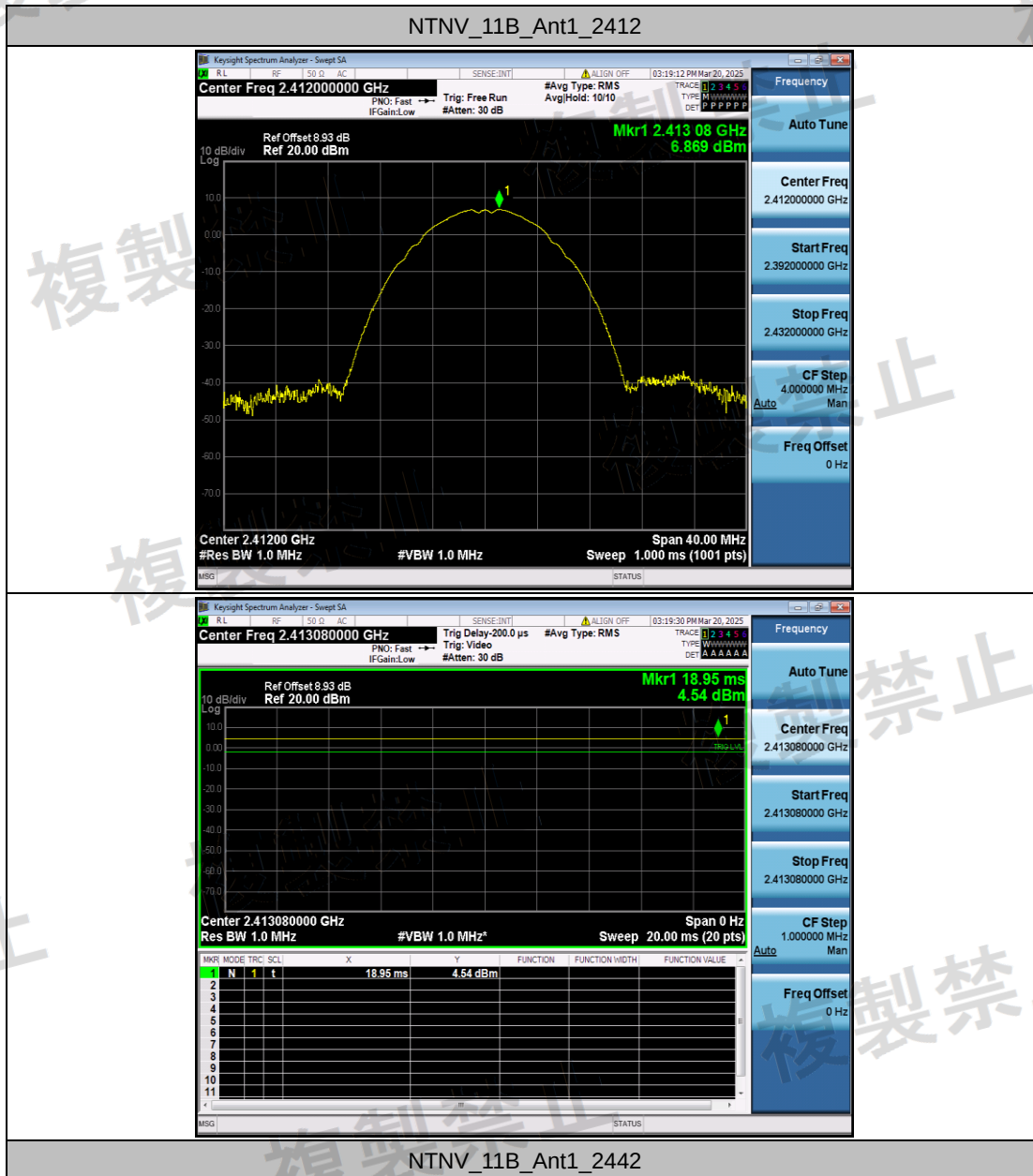
Test Result PSD

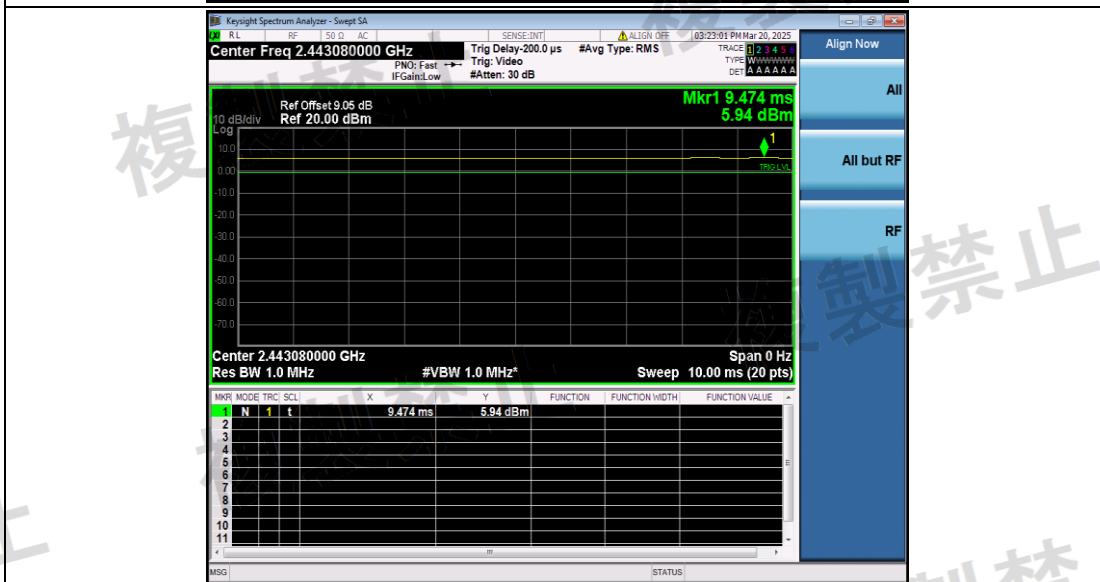
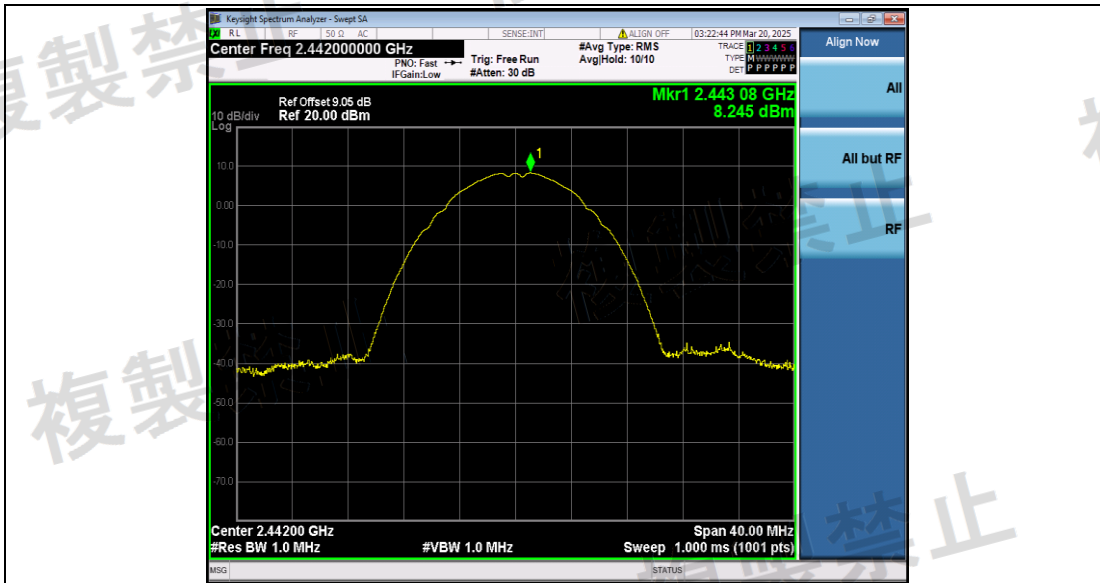
Antenna Power							
Test Condition	Test Mode	Antenna	Frequency [MHz]	Result (dBm/MHz)	Result (mW/MHz)	Limit (mW/MHz)	Verdict
NTNV	11B	Ant1	2412	4.54	2.8445	≤10	PASS
			2442	5.94	3.9264	≤10	PASS
			2472	6.05	4.0272	≤10	PASS
	11G	Ant1	2412	2.01	1.5885	≤10	PASS
			2442	2.97	1.9815	≤10	PASS
			2472	3.50	2.2387	≤10	PASS
	11N20SISO	Ant1	2412	3.70	2.3442	≤10	PASS
			2442	4.00	2.5119	≤10	PASS
			2472	5.01	3.1696	≤10	PASS
	11N40SISO	Ant1	2422	-1.77	0.6653	≤5	PASS
			2442	-0.62	0.8670	≤5	PASS
			2462	-0.84	0.8241	≤5	PASS

Tolerance								
Test Condition	Test Mode	Antenna	Frequency [MHz]	Power (mW/MHz)	Rated Power (mW/MHz)	Result (%)	Limit (%)	Verdict
NTNV	11B	Ant1	2412	2.8445	5	-43.11	-80 to +20	PASS
			2442	3.9264	5	-21.47	-80 to +20	PASS
			2472	4.0272	5	-19.46	-80 to +20	PASS
	11G	Ant1	2412	1.5885	3	-47.05	-80 to +20	PASS
			2442	1.9815	3	-33.95	-80 to +20	PASS
			2472	2.2387	3	-25.38	-80 to +20	PASS
	11N20SISO	Ant1	2412	2.3442	3	-21.86	-80 to +20	PASS
			2442	2.5119	3	-16.27	-80 to +20	PASS
			2472	3.1696	3	5.65	-80 to +20	PASS
	11N40SISO	Ant1	2422	0.6653	2	-66.74	-80 to +20	PASS
			2442	0.8670	2	-56.65	-80 to +20	PASS
			2462	0.8241	2	-58.80	-80 to +20	PASS

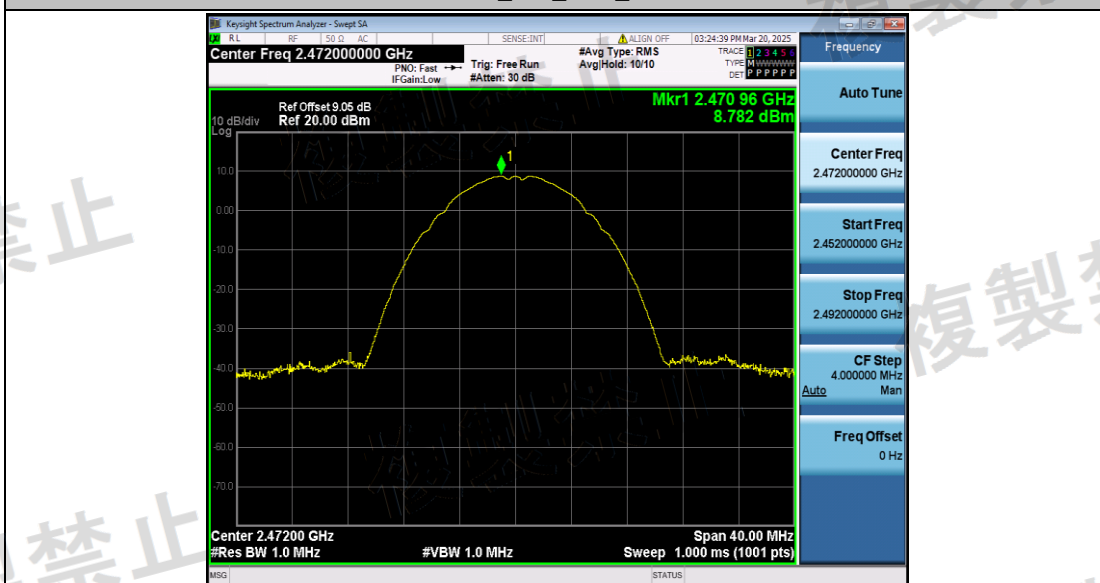
EIRP									
Test Condition	TestMode	Antenna	Frequency [MHz]	Result(dBm)	Gain(dBm)	EIRP(dBm)	EIRP(mW/MHz)	Limit(mW/MHz)	Verdict
NTNV	11B	Ant1	2402	4.54	-0.58	3.96	2.49	≤12.14	PASS
			2441	5.94	-0.58	5.36	3.44	≤12.14	PASS
			2480	6.05	-0.58	5.47	3.52	≤12.14	PASS
	11G	Ant1	2402	2.01	-0.58	1.43	1.39	≤12.14	PASS
			2441	2.97	-0.58	2.39	1.73	≤12.14	PASS
			2480	3.50	-0.58	2.92	1.96	≤12.14	PASS
	11N20SISO	Ant1	2402	3.70	-0.58	3.12	2.05	≤12.14	PASS
			2441	4.00	-0.58	3.42	2.20	≤12.14	PASS
			2480	5.01	-0.58	4.43	2.77	≤12.14	PASS
	11N40SISO	Ant1	2422	-1.77	-0.58	-2.35	0.58	≤9.13	PASS
			2442	-0.62	-0.58	-1.20	0.76	≤9.13	PASS
			2462	-0.84	-0.58	-1.42	0.72	≤9.13	PASS

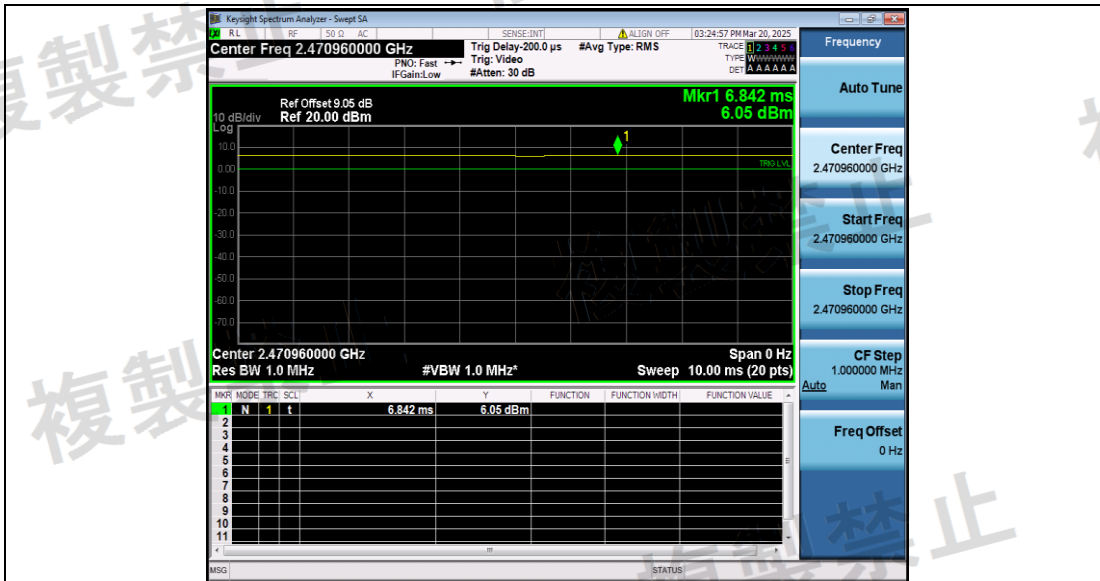
Test Graphs



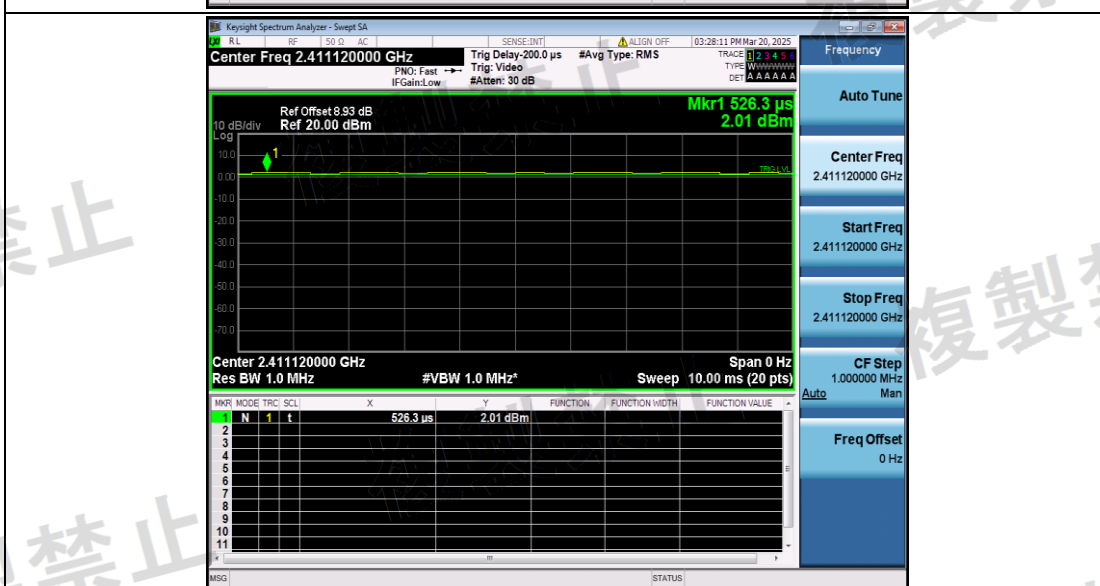
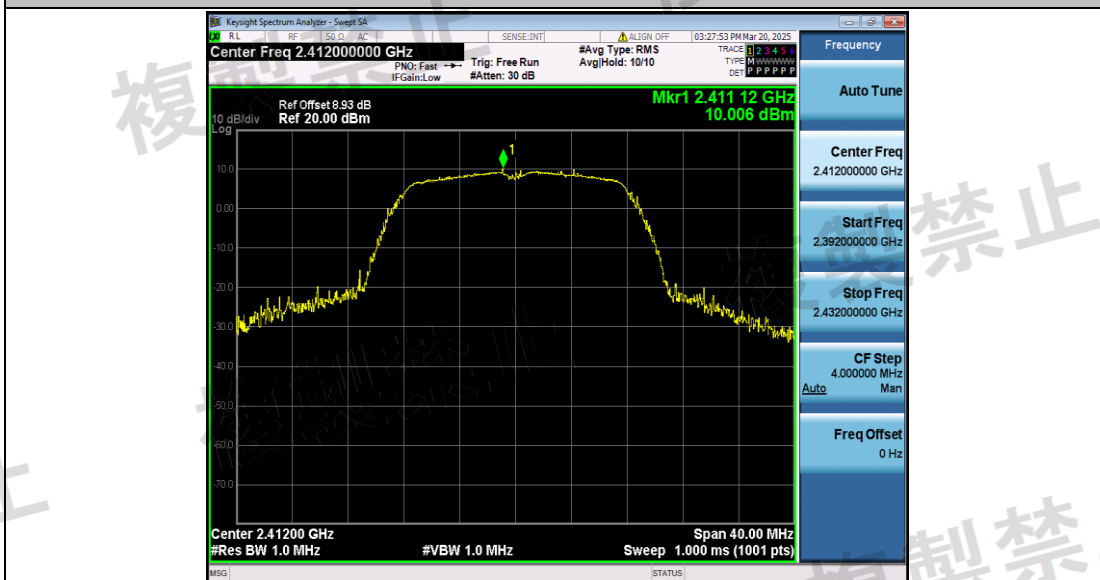


NTNV_11B_Ant1_2472

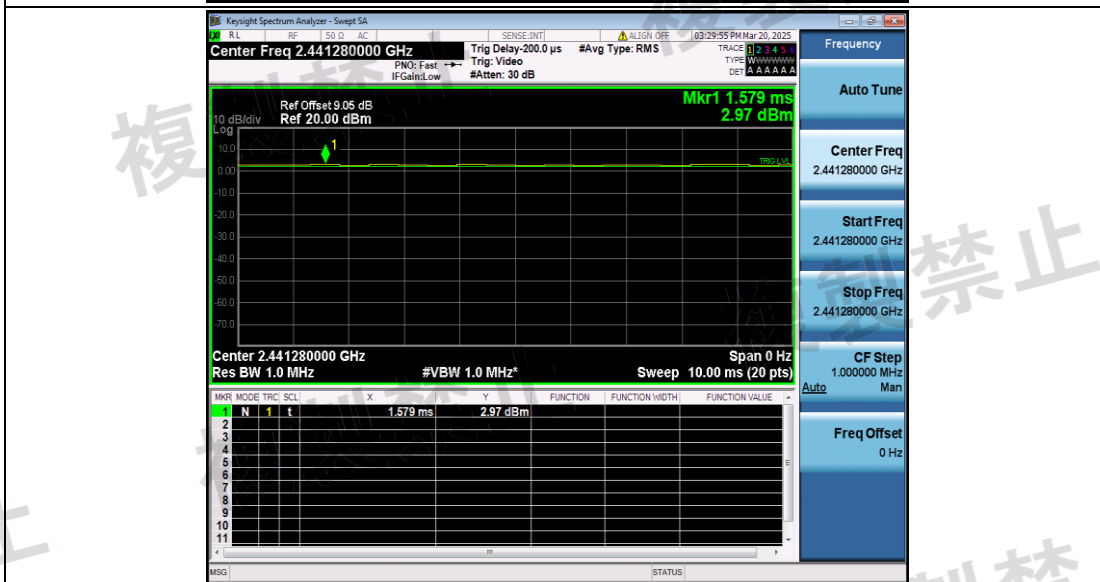
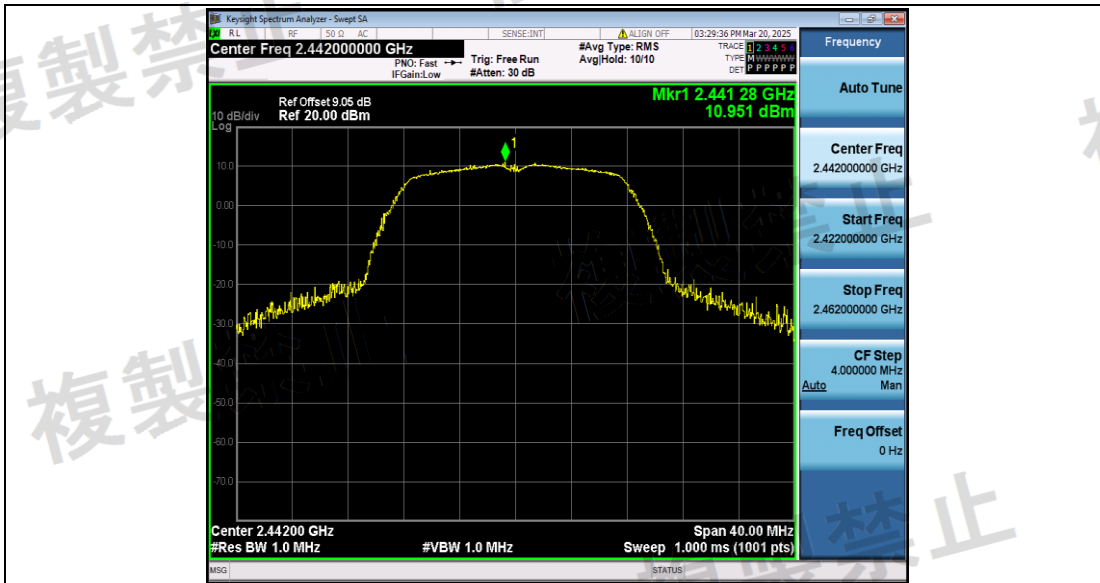




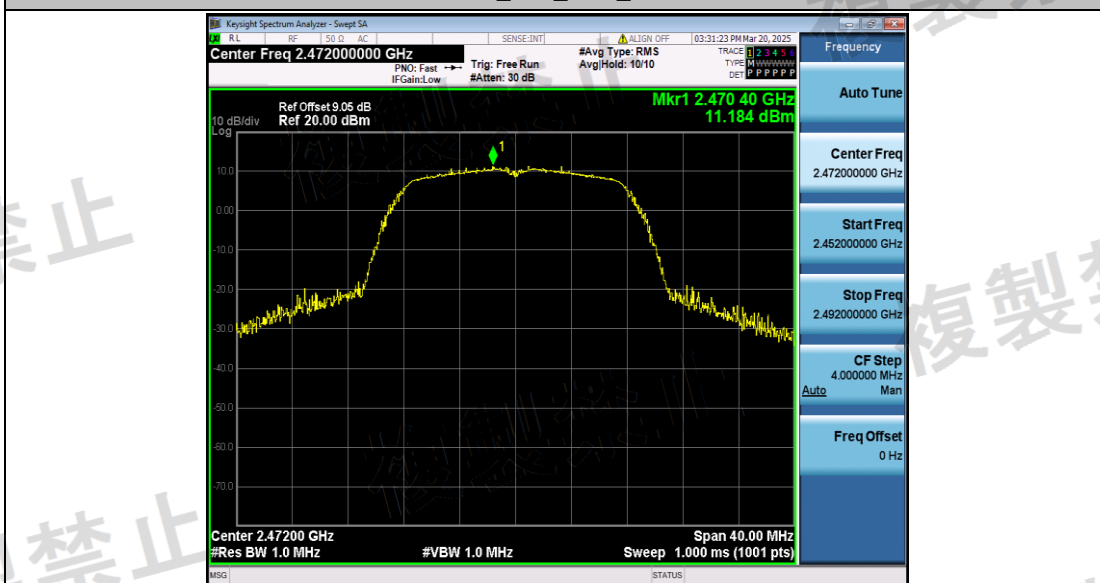
NTNV_11G_Ant1_2412

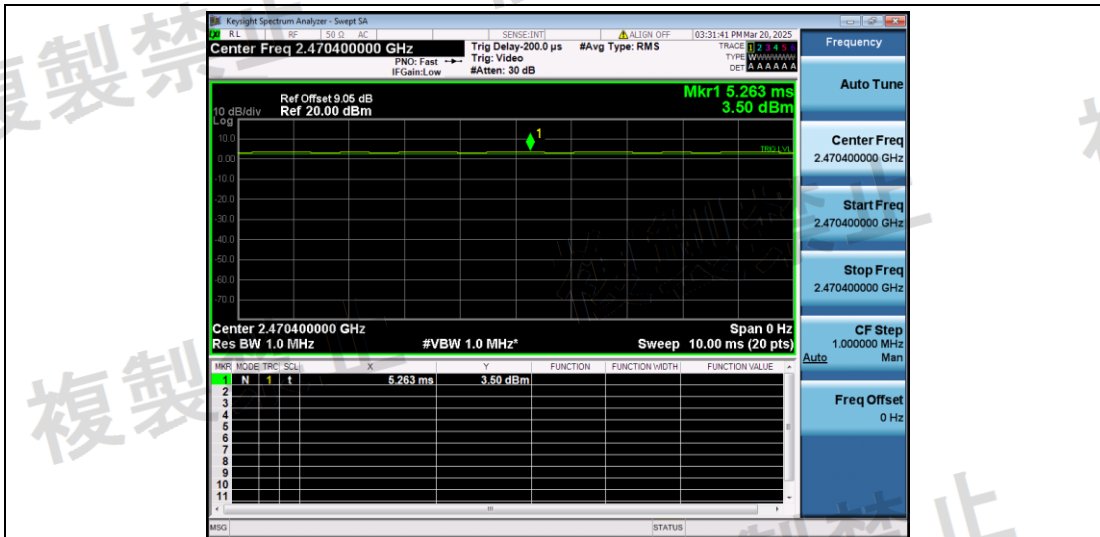


NTNV_11G_Ant1_2442

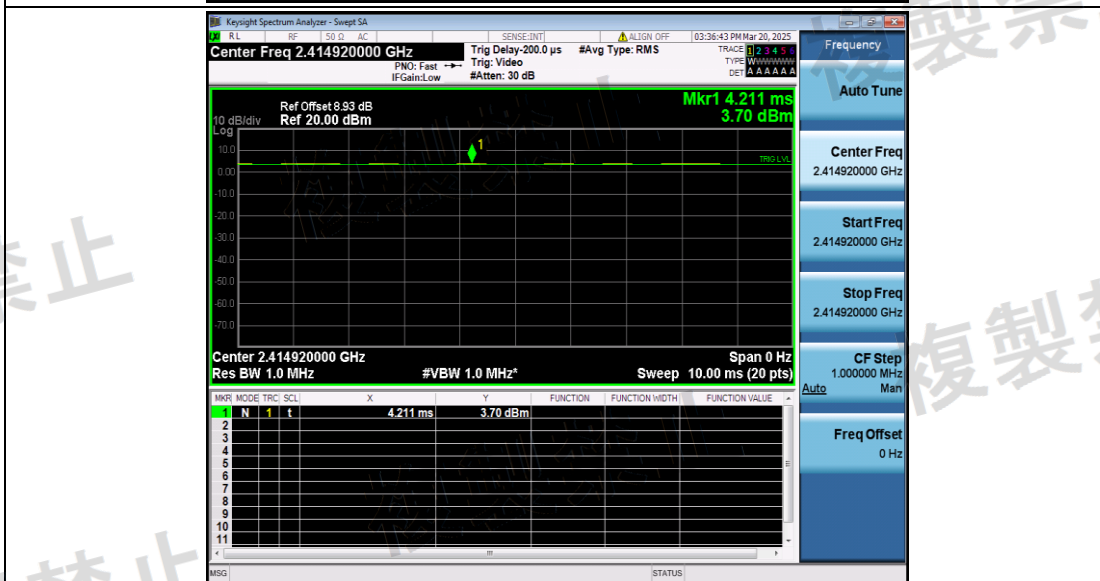
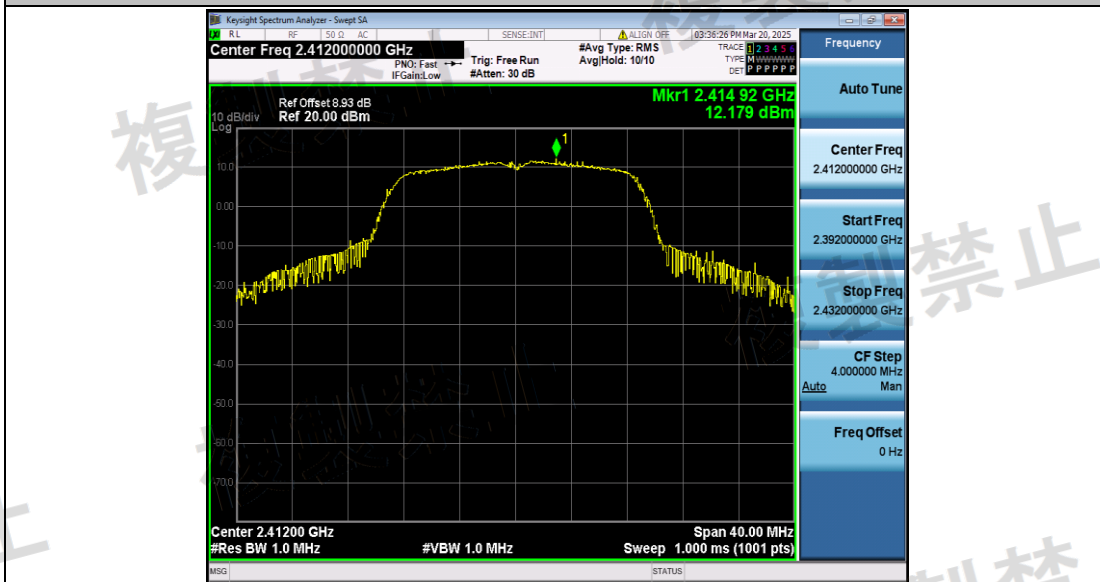


NTNV_11G_Ant1_2472

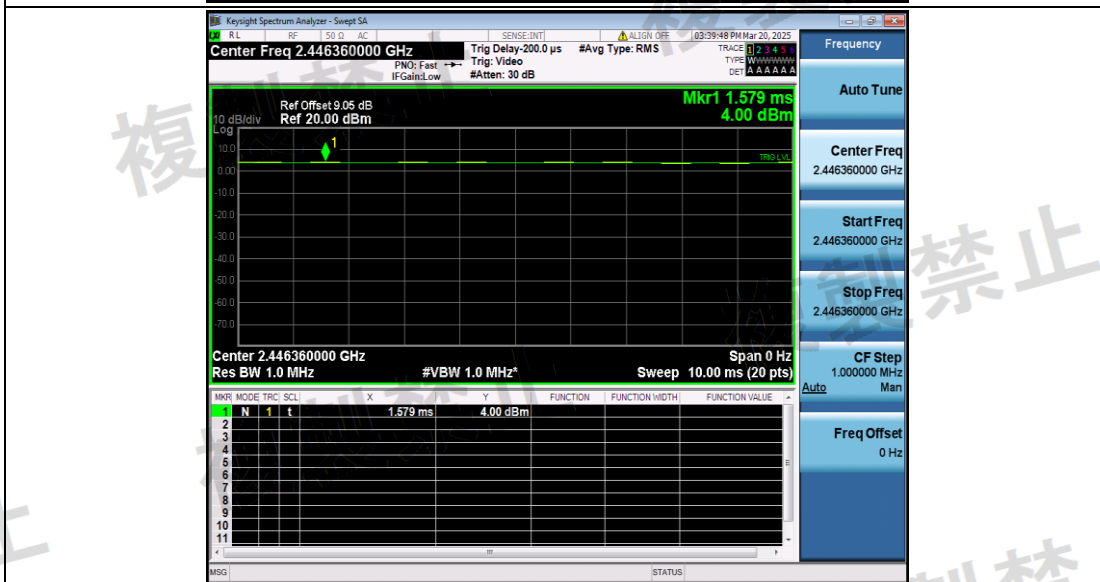
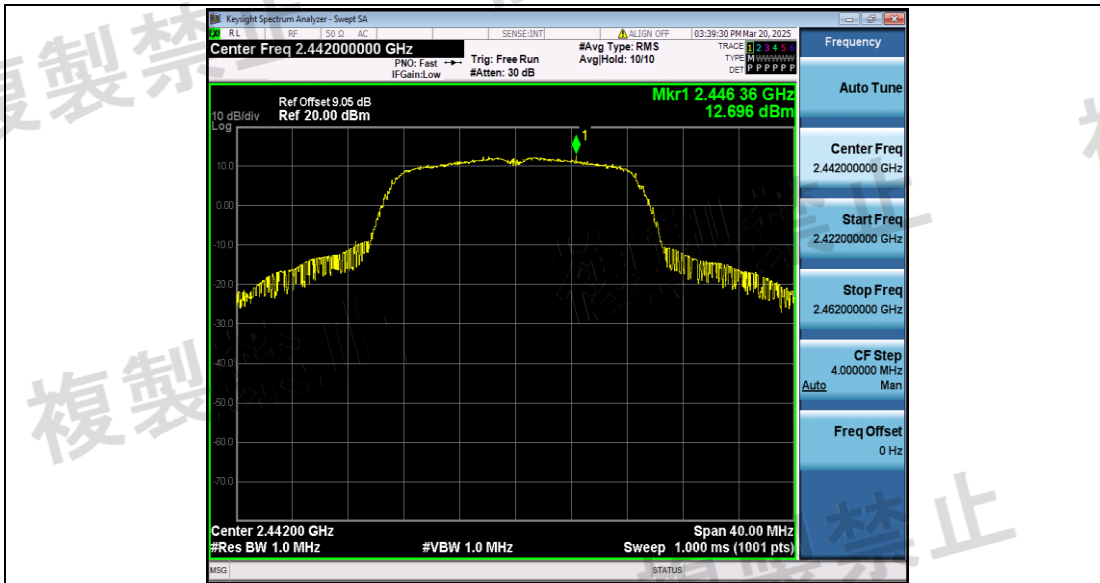




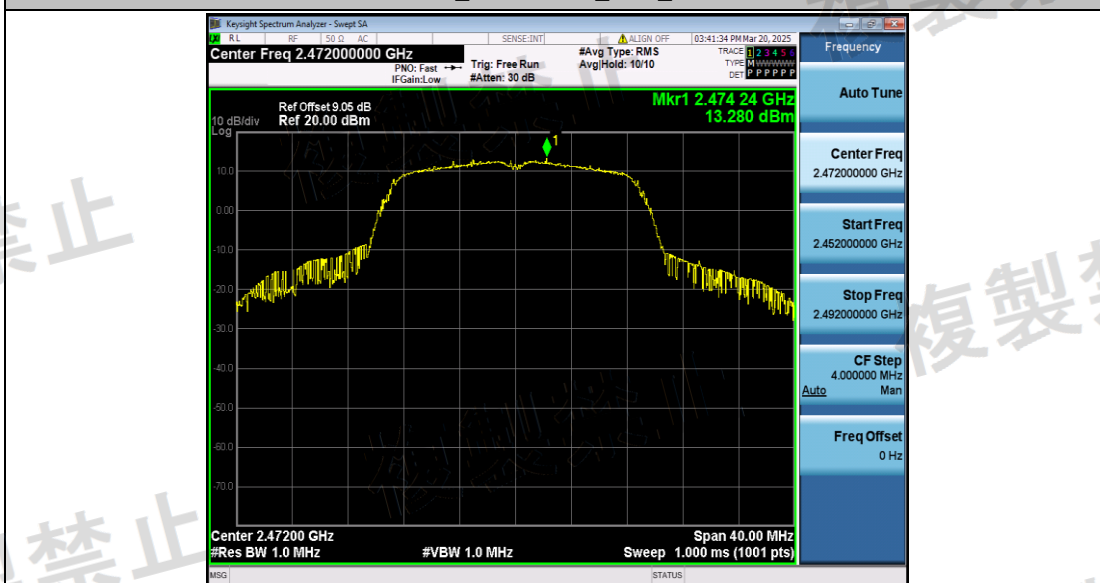
NTNV_11N20SISO_Ant1_2412

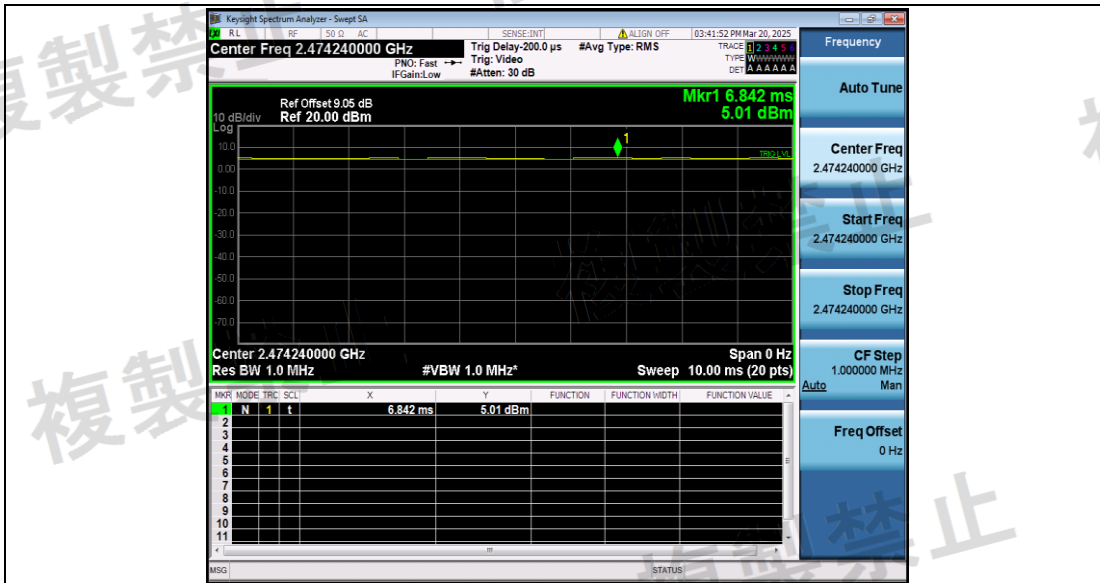


NTNV_11N20SISO_Ant1_2442

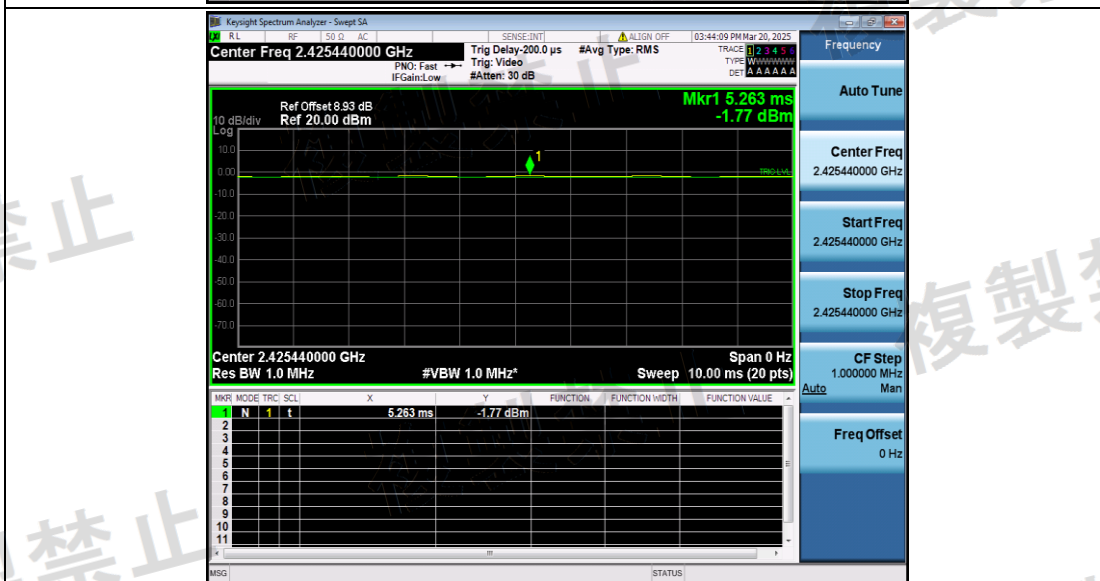


NTNV_11N20SISO_Ant1_2472

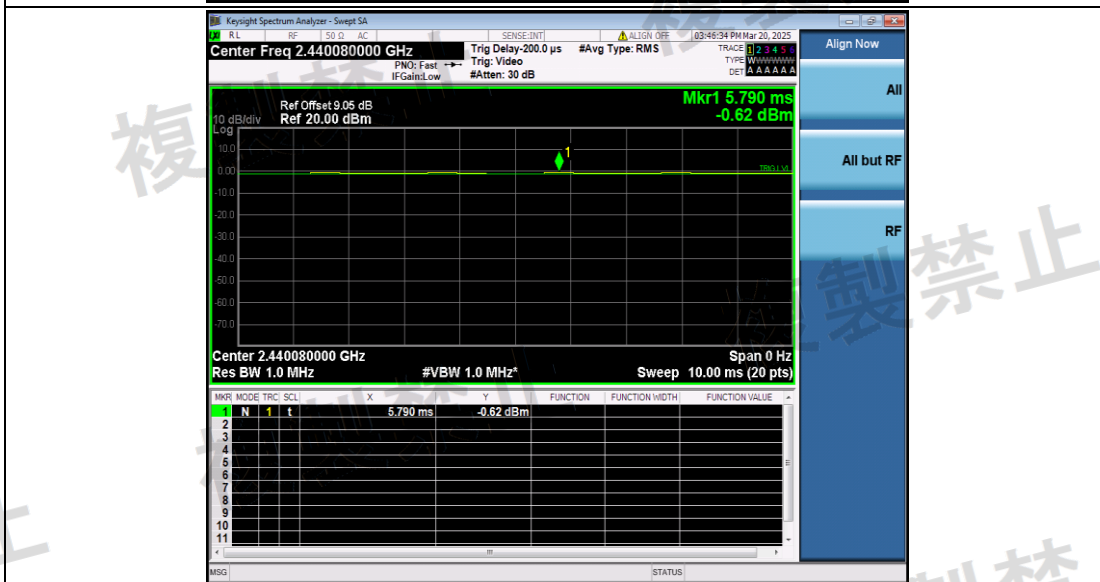
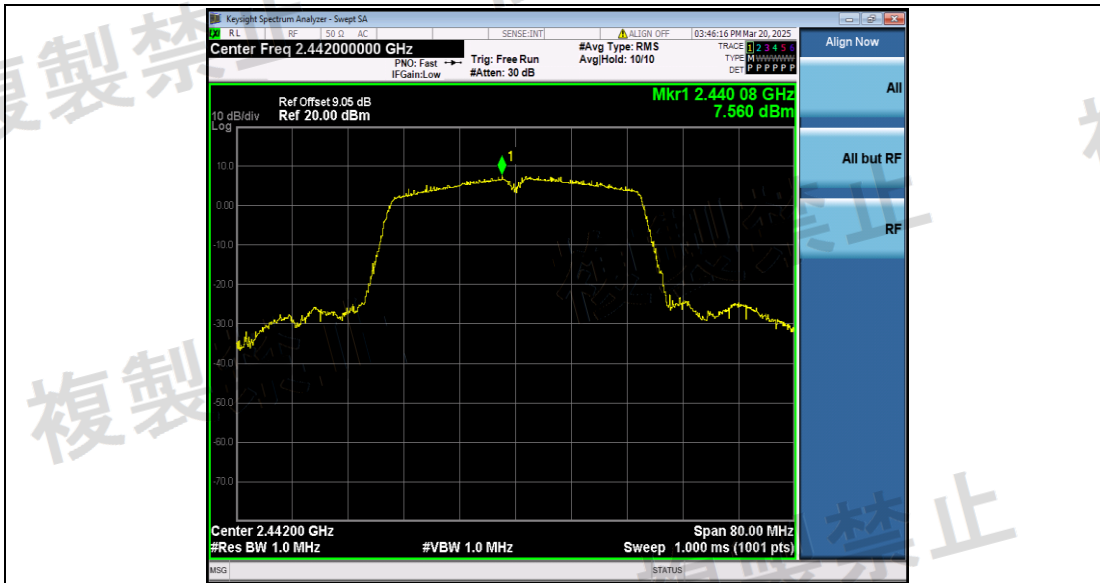




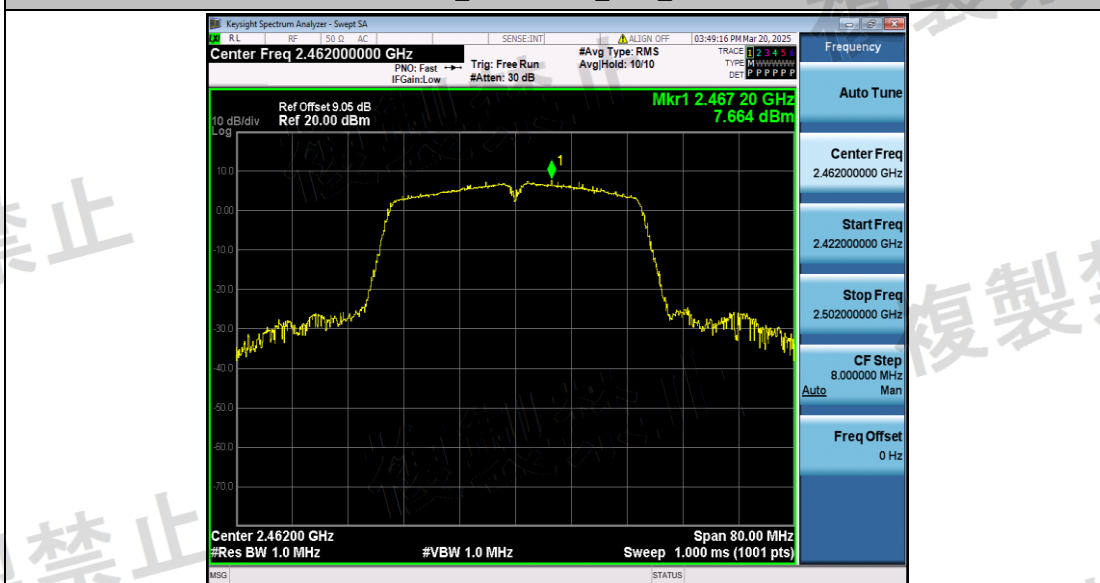
NTNV_11N40SISO_Ant1_2422

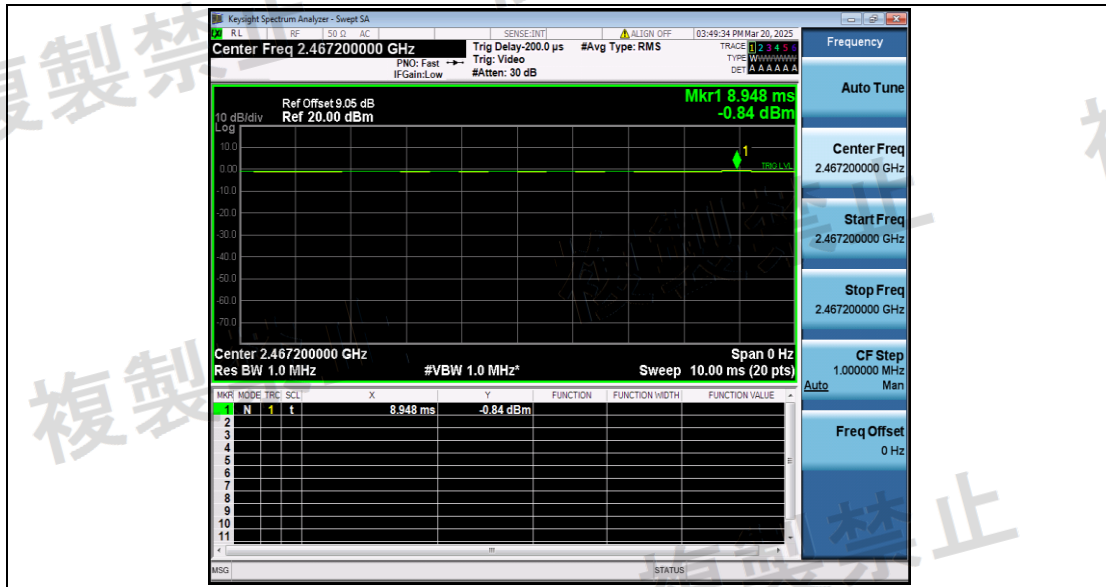


NTNV_11N40SISO_Ant1_2442



NTNV_11N40SISO_Ant1_2462



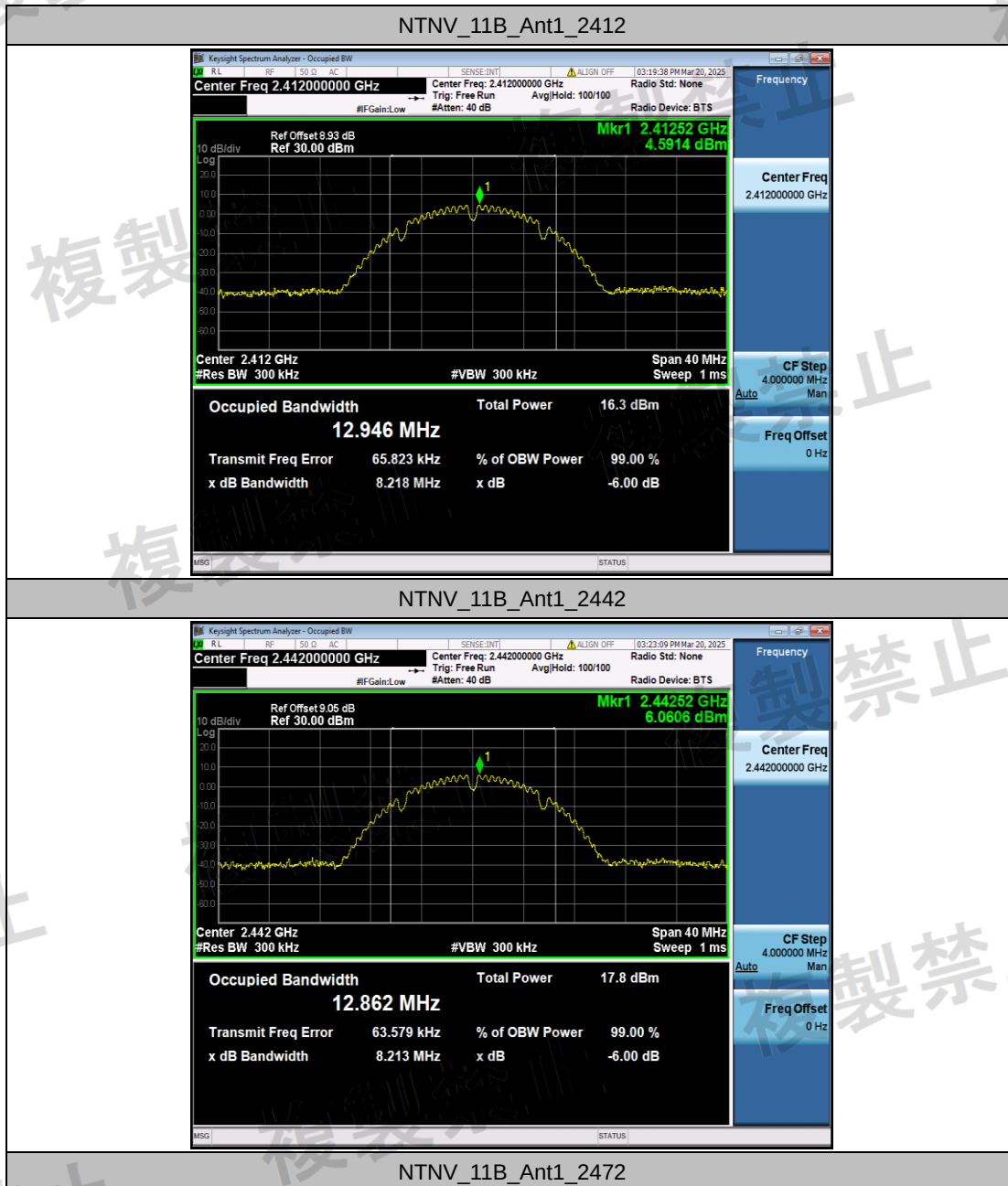


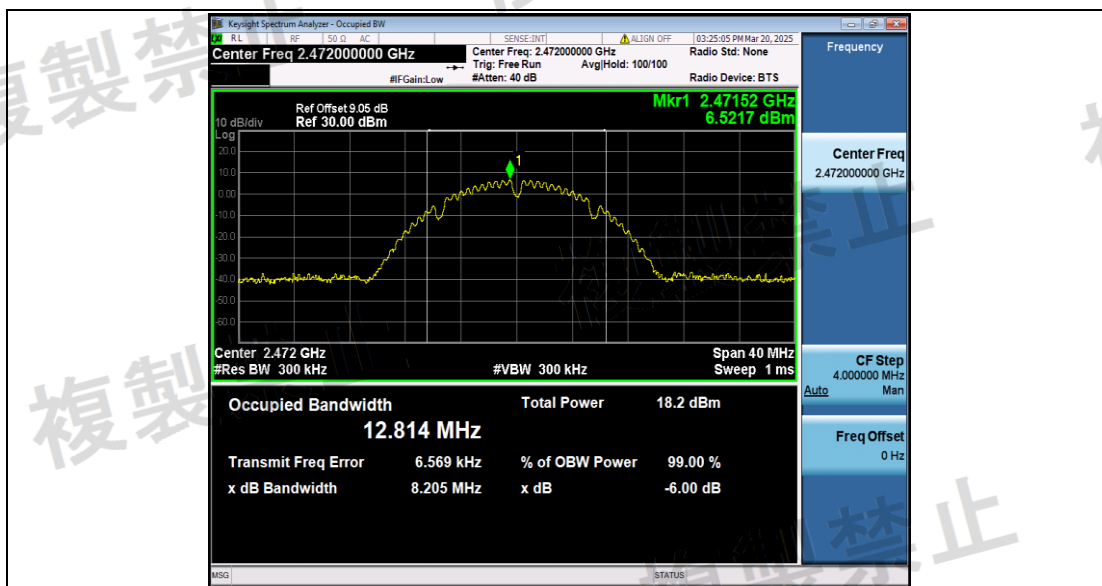
Appendix B.3: Occupied Bandwidth

Test Result

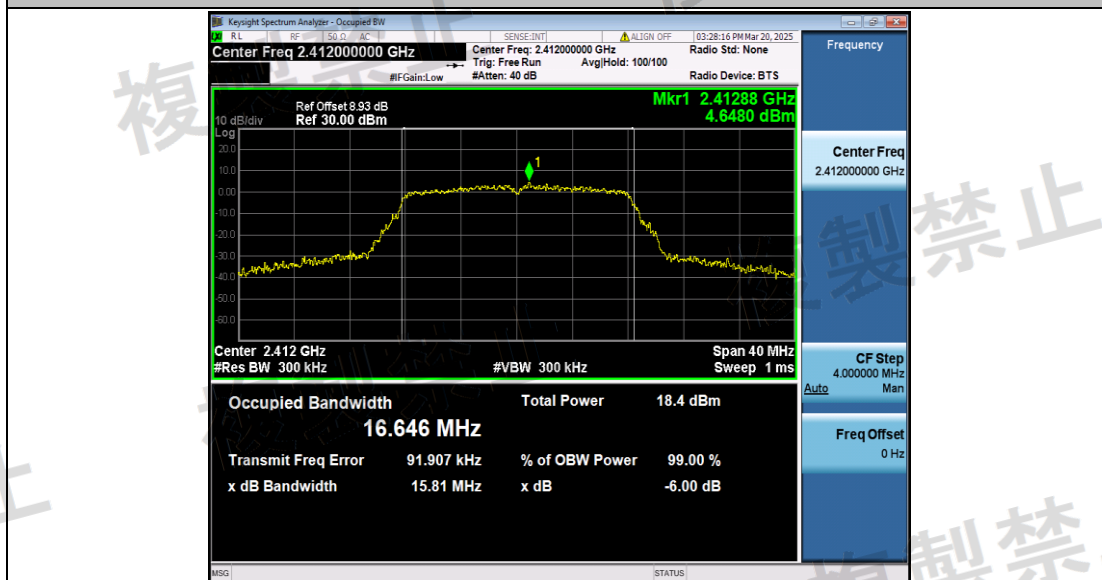
Test Condition	Test Mode	Antenna	Frequency [MHz]	Result [MHz]	Limit [MHz]	Verdict
NTNV	11B	Ant1	2412	12.946	≤26	PASS
			2442	12.862	≤26	PASS
			2472	12.814	≤26	PASS
	11G	Ant1	2412	16.646	≤26	PASS
			2442	16.534	≤26	PASS
			2472	16.587	≤26	PASS
	11N20SIS O	Ant1	2412	17.762	≤26	PASS
			2442	17.730	≤26	PASS
			2472	17.653	≤26	PASS
	11N40SIS O	Ant1	2422	36.294	26-40	PASS
			2442	36.326	26-40	PASS
			2462	36.172	26-40	PASS

Test Graphs



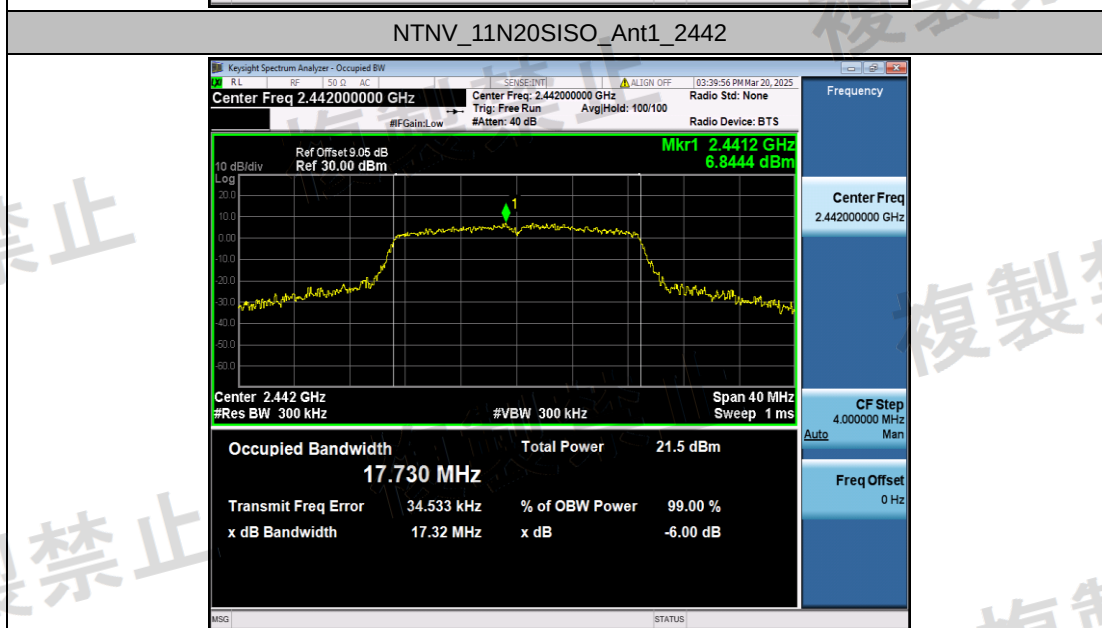
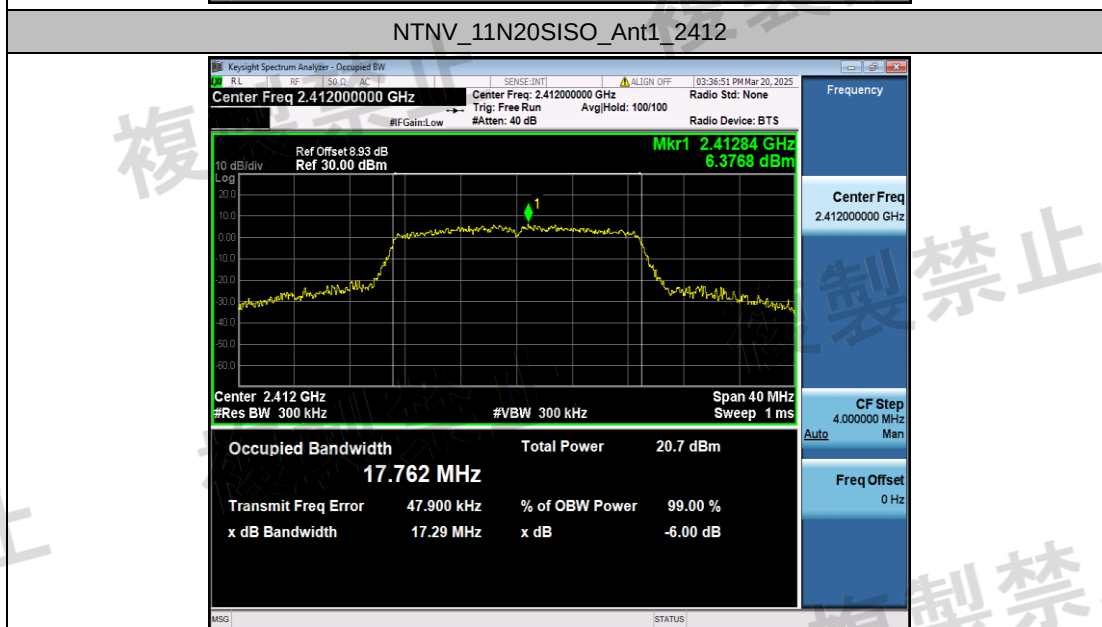
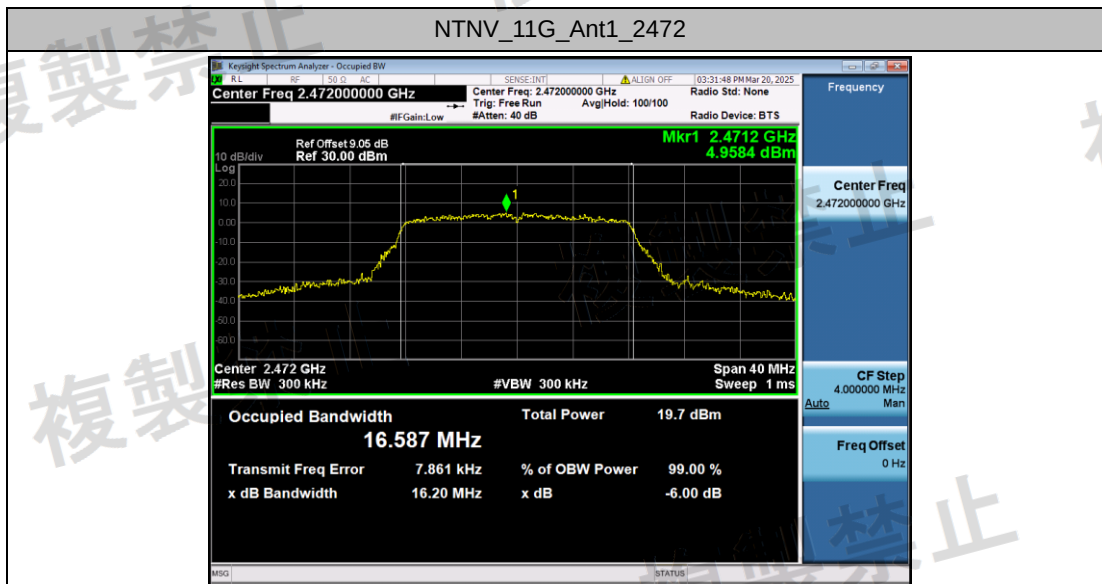


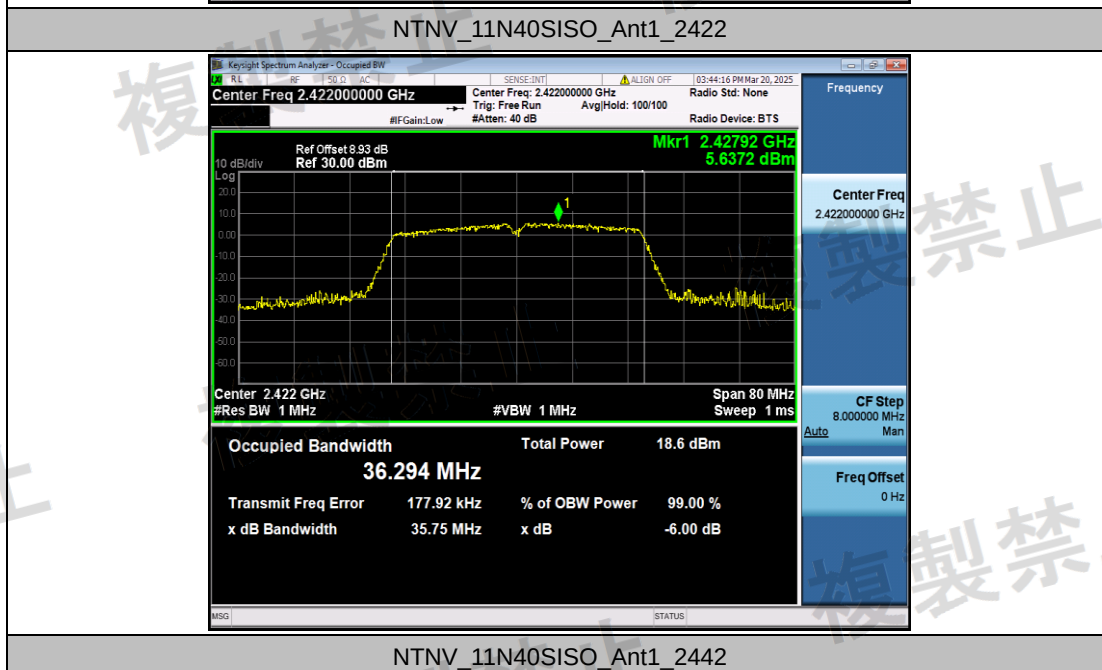
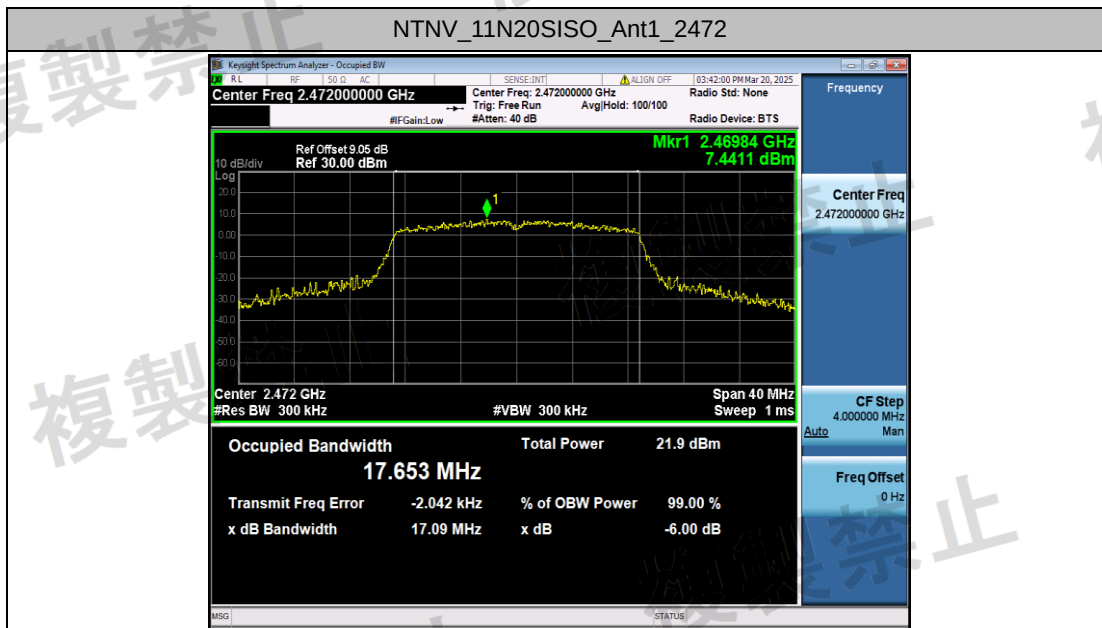
NTNV_11G_Ant1_2412



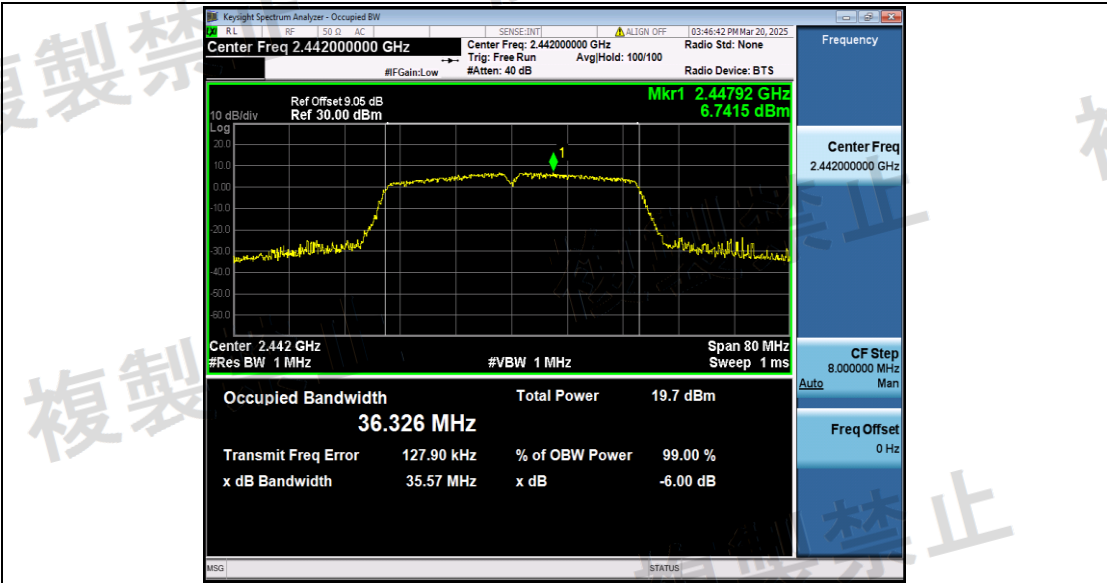
NTNV_11G_Ant1_2442



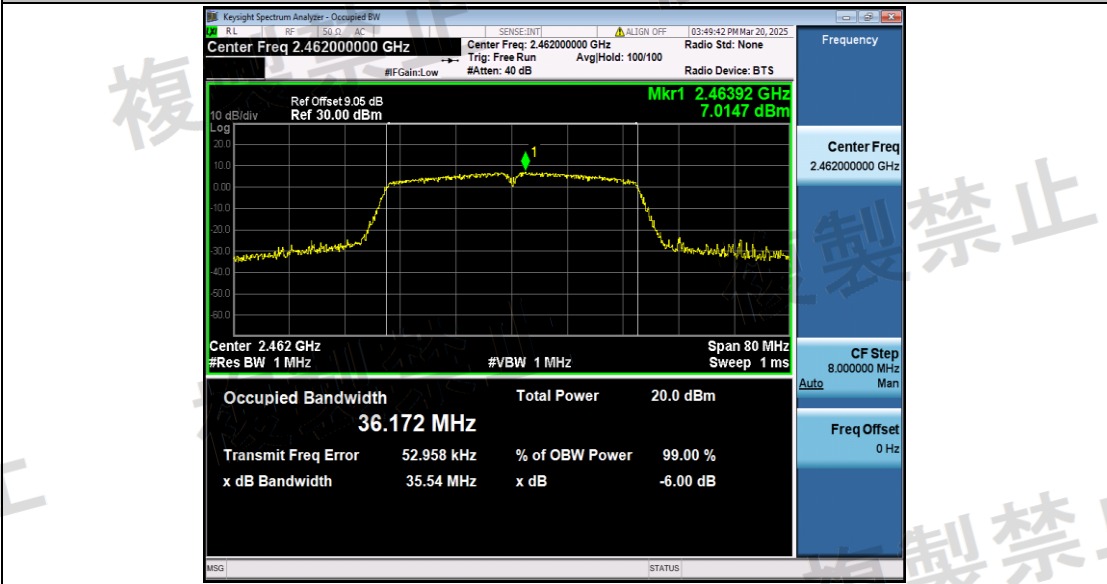




NTNV_11N40SISO_Ant1_2442



NTNV_11N40SISO_Ant1_2462

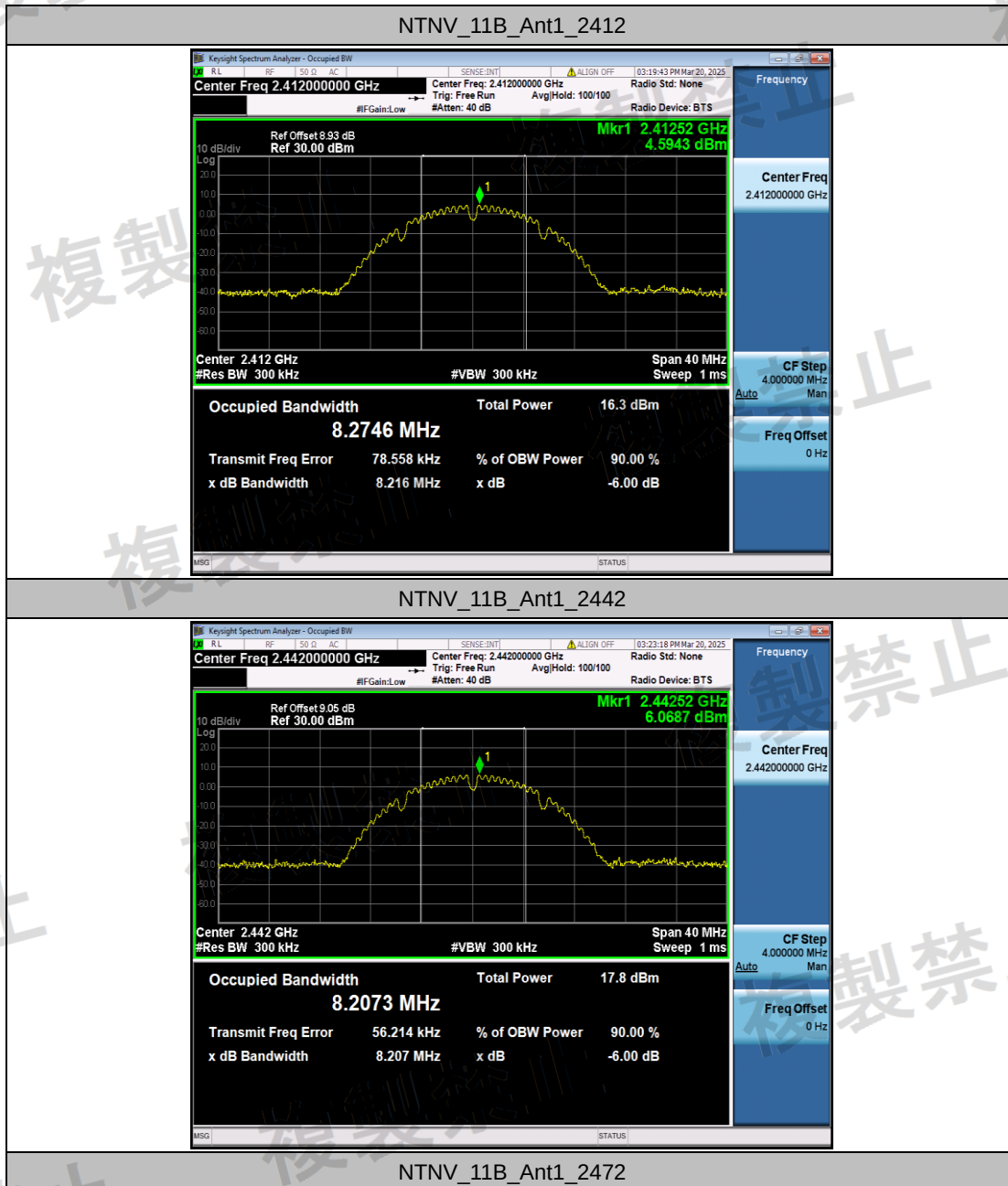


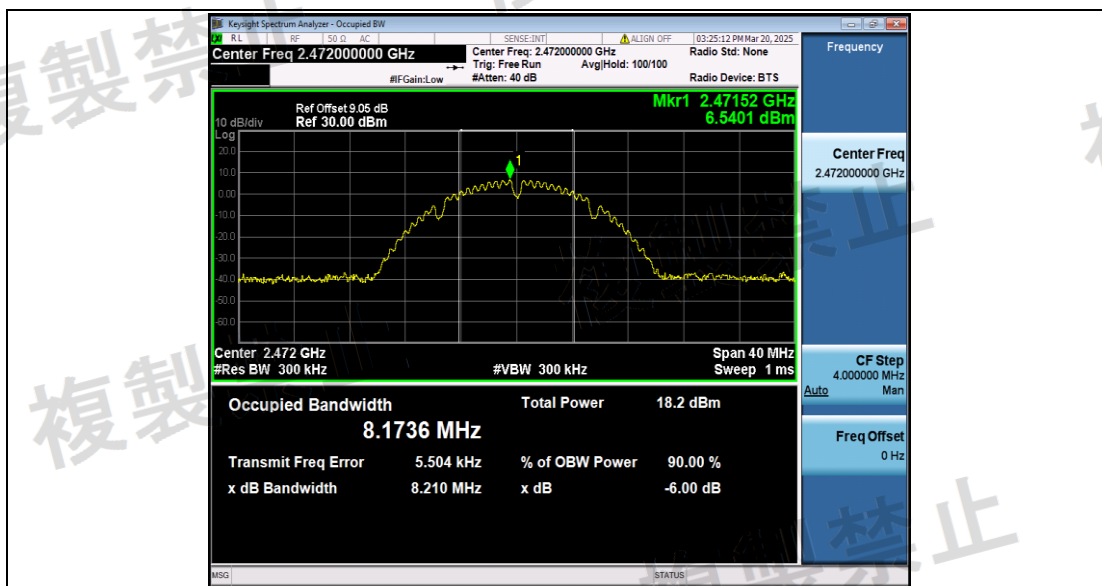
Appendix B.4: Spread Bandwidth

Test Result

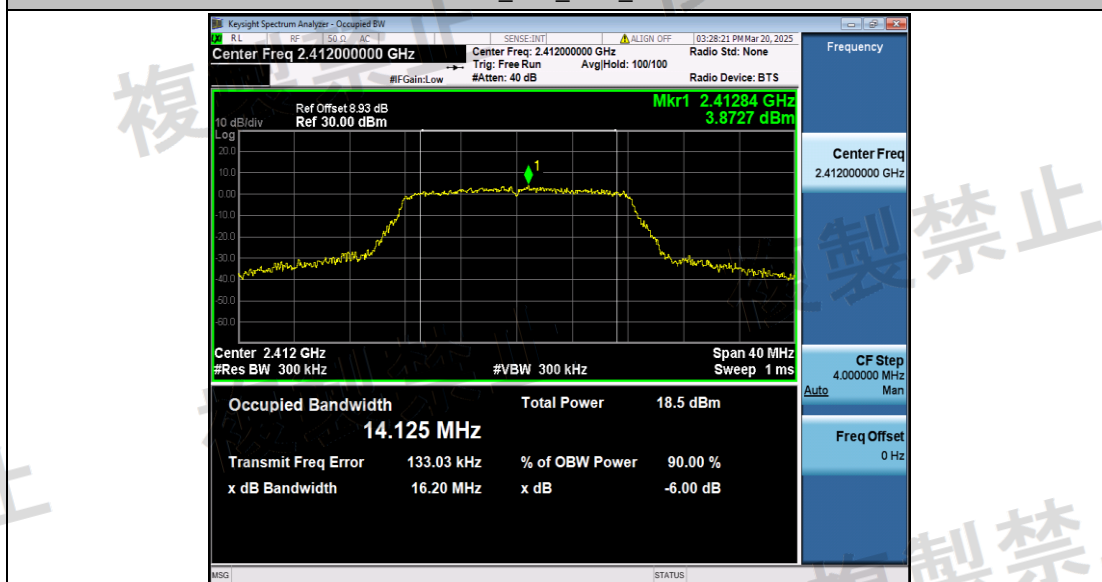
Test Condition	Test Mode	Antenna	Frequency [MHz]	Result [MHz]	Limit [MHz]	SpreadFactor	Limit	Verdict
NTNV	11B	Ant1	2412	8.275	≥0.5	6.018	>5	PASS
			2442	8.207	≥0.5	5.969	>5	PASS
			2472	8.174	≥0.5	5.945	>5	PASS
	11G	Ant1	2412	14.125	≥0.5	---	---	PASS
			2442	14.076	≥0.5	---	---	PASS
			2472	14.145	≥0.5	---	---	PASS
	11N20SI SO	Ant1	2412	15.122	≥0.5	---	---	PASS
			2442	15.020	≥0.5	---	---	PASS
			2472	14.892	≥0.5	---	---	PASS
	11N40SI SO	Ant1	2422	30.863	≥0.5	---	---	PASS
			2442	30.423	≥0.5	---	---	PASS
			2462	30.581	≥0.5	---	---	PASS

Test Graphs

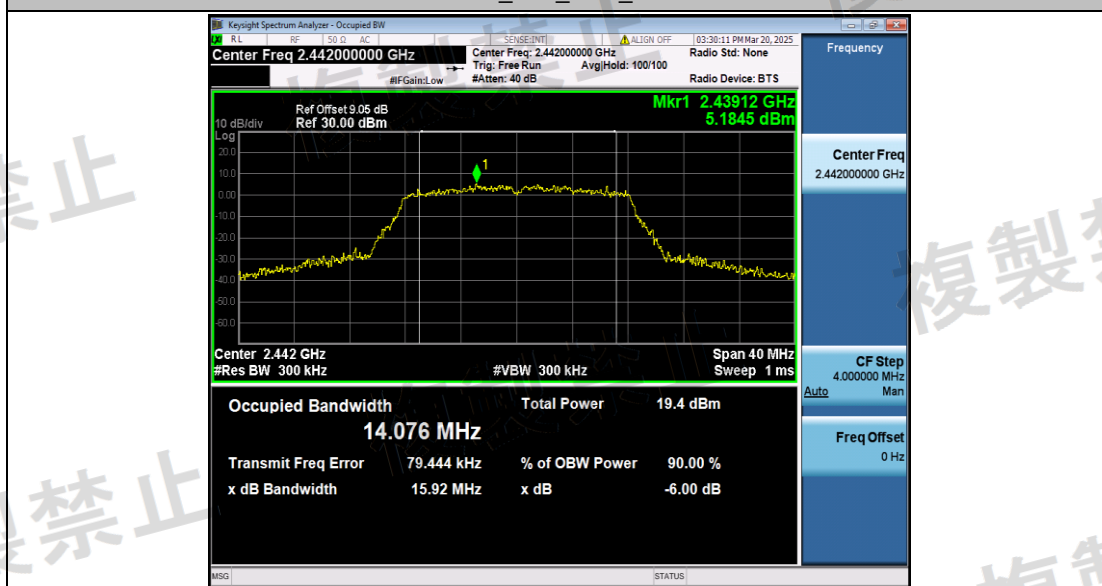


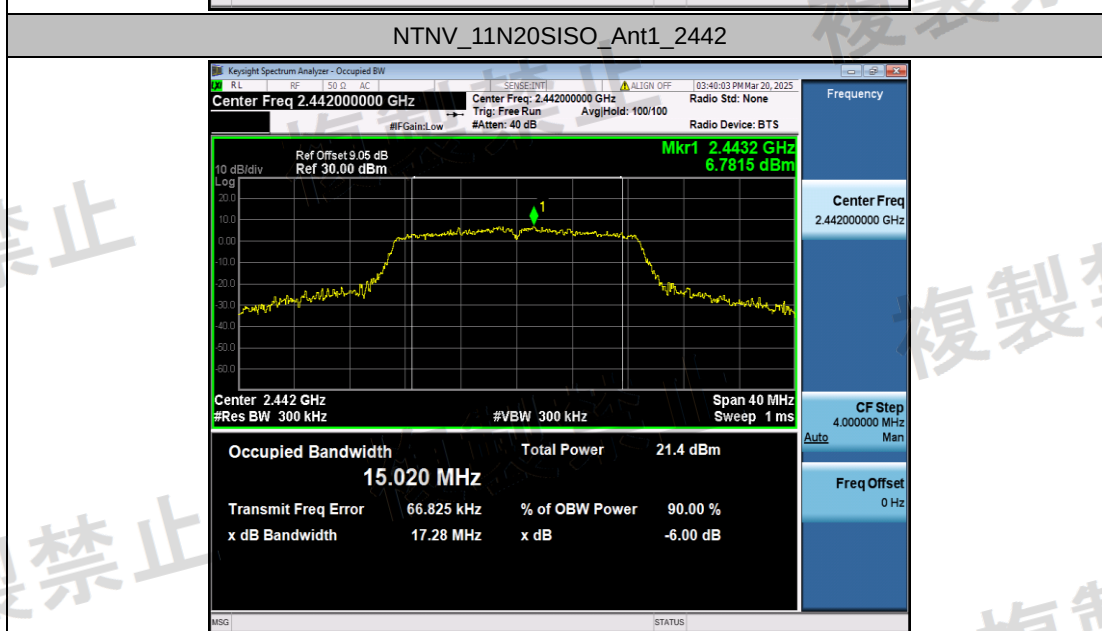
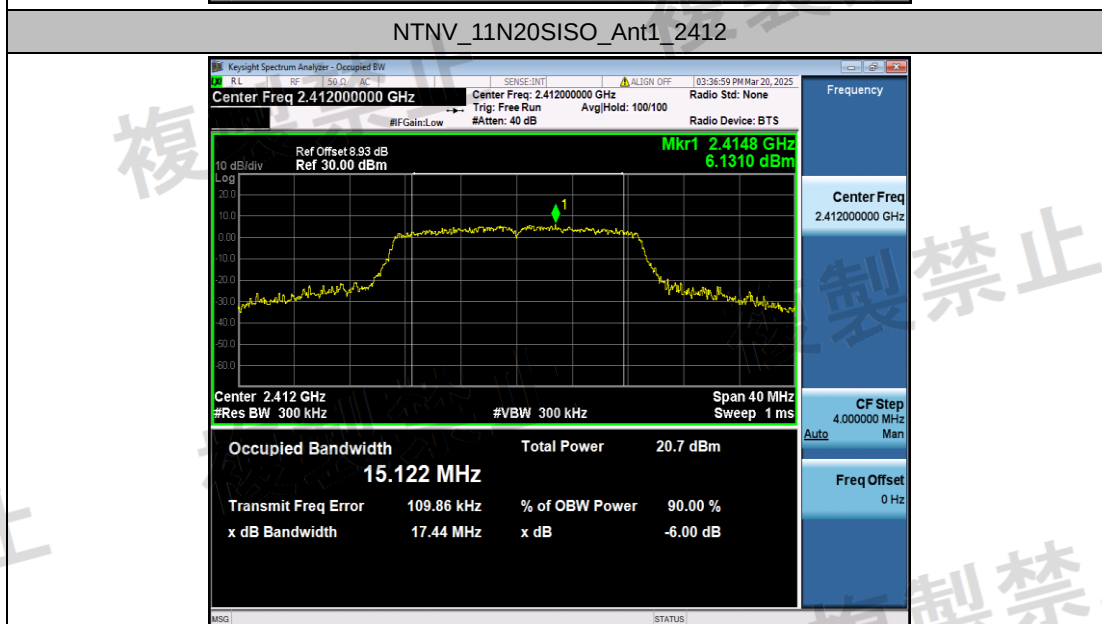
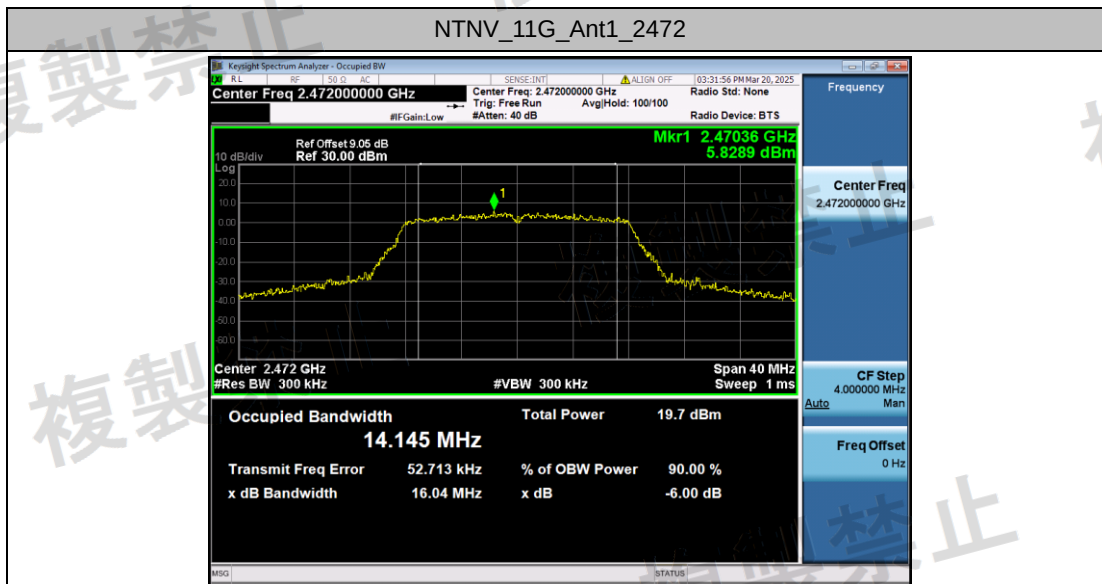


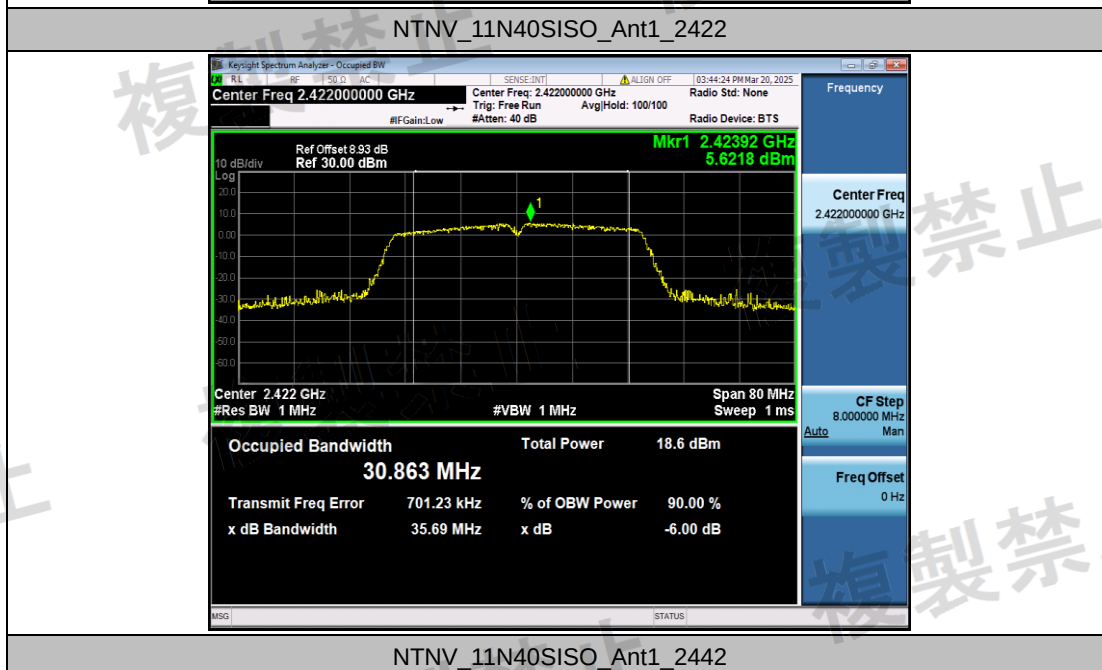
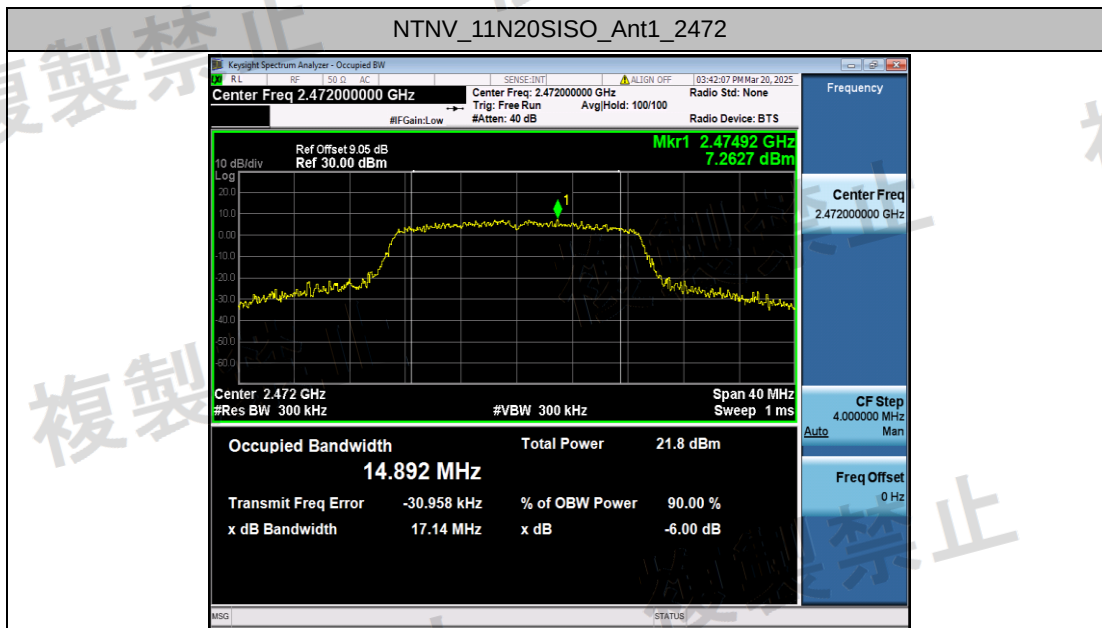
NTNV_11G_Ant1_2412



NTNV_11G_Ant1_2442



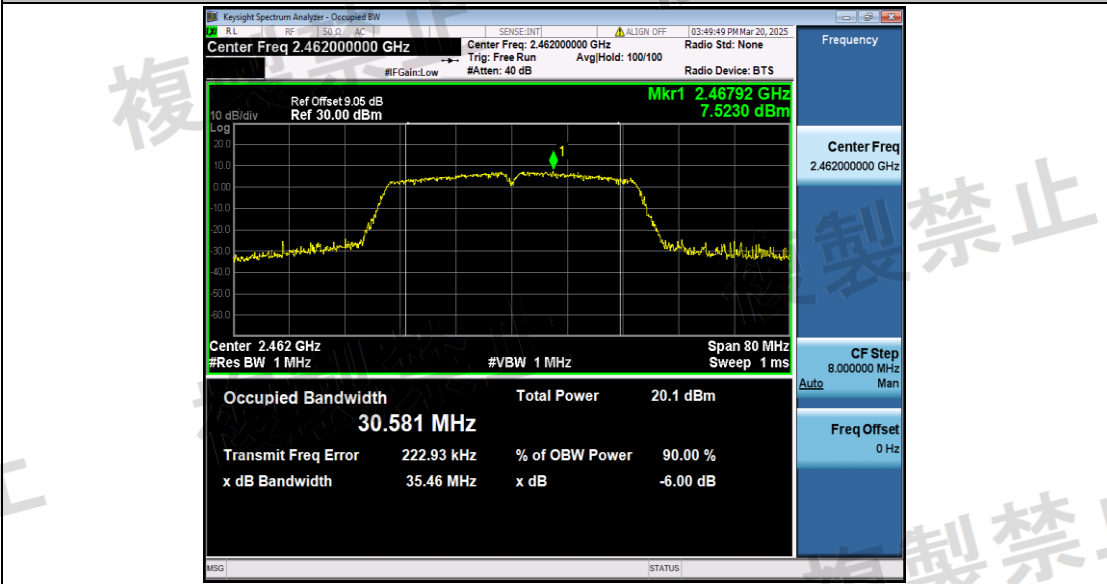




NTNV_11N40SISO_Ant1_2442



NTNV_11N40SISO_Ant1_2462



Appendix B.5: Spurious Emission of TX

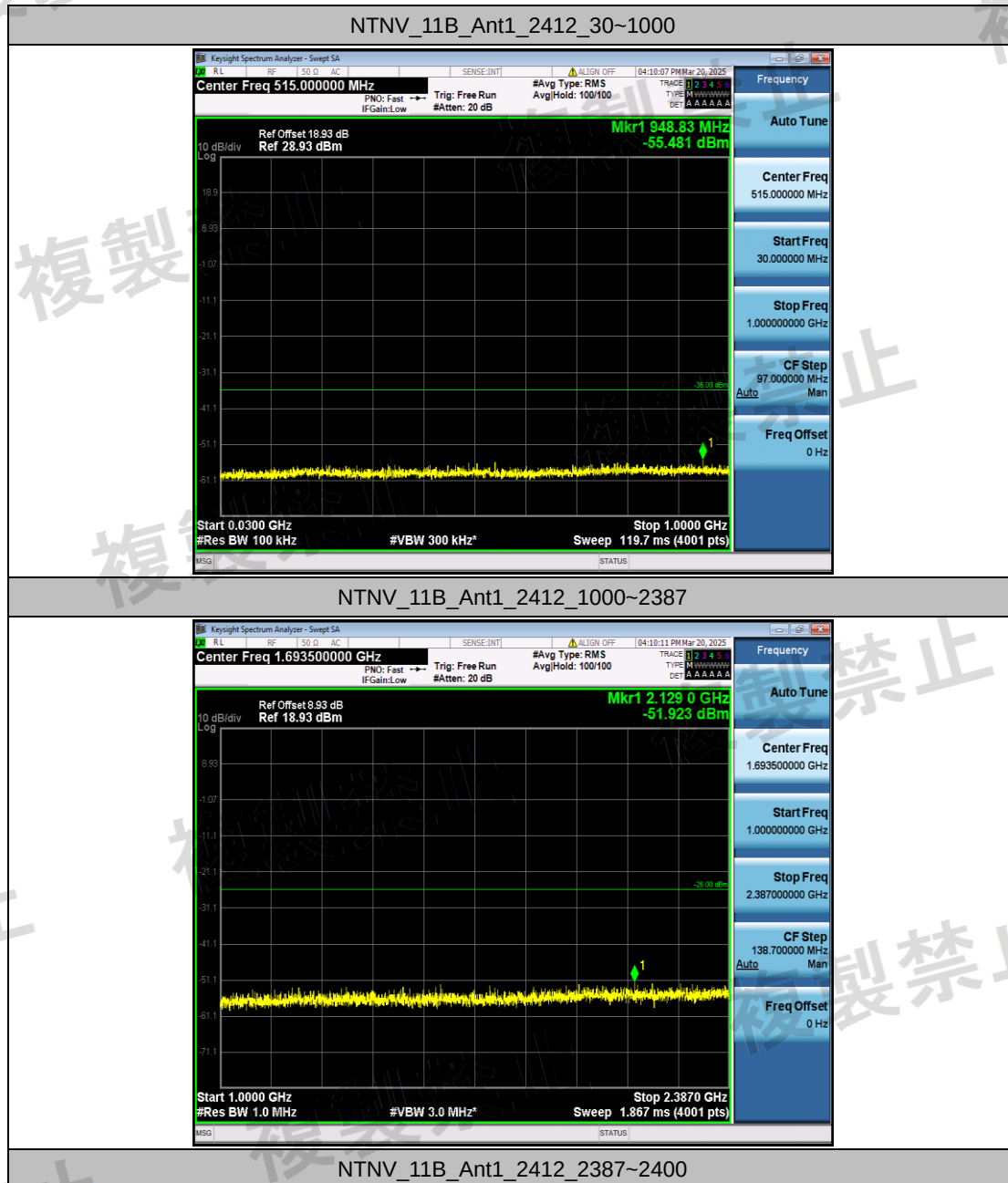
Test Result

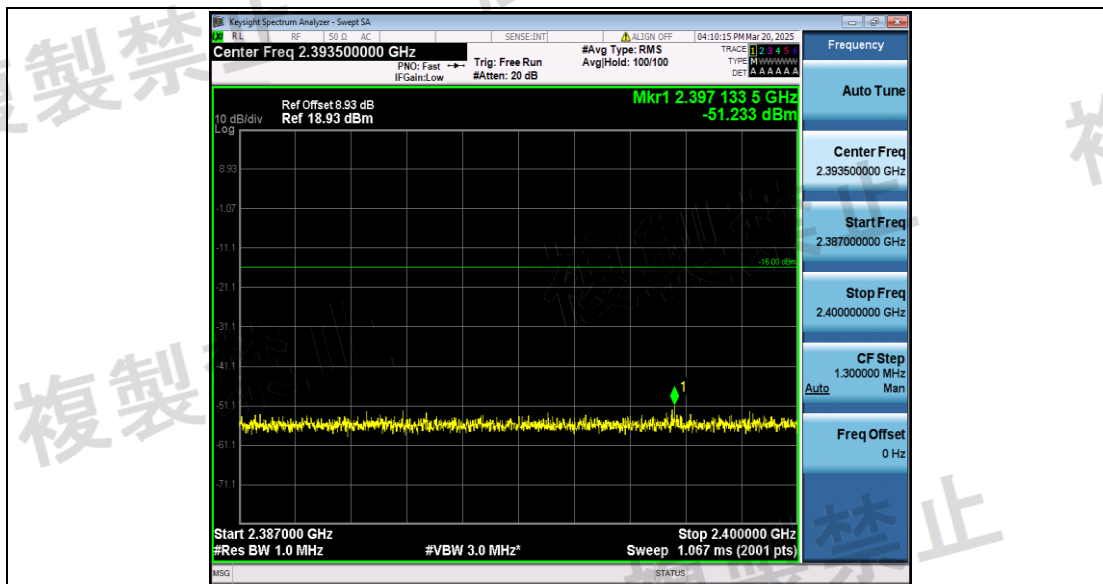
Test Condition	Test Mode	Antenna	Frequency [MHz]	Freq.Range [MHz]	Result [dBm]	Limit [dBm]	Result [μW]	Limit [μW]	Verdict
NTNV	11B	Ant1	2412	30~1000	-55.48	≤-36	0.00283	≤0.3	PASS
				1000~2387	-51.92	≤-26	0.00643	≤2.5	PASS
				2387~2400	-51.23	≤-16	0.00753	≤25	PASS
				2483.5~2496.5	-51.94	≤-16	0.00640	≤25	PASS
				2496.5~13000	-48.16	≤-26	0.01528	≤2.5	PASS
			2442	30~1000	-55.65	≤-36	0.00272	≤0.3	PASS
				1000~2387	-50.88	≤-26	0.00817	≤2.5	PASS
				2387~2400	-52.60	≤-16	0.00550	≤25	PASS
				2483.5~2496.5	-51.78	≤-16	0.00664	≤25	PASS
				2496.5~13000	-48.71	≤-26	0.01346	≤2.5	PASS
			2472	30~1000	-55.88	≤-36	0.00258	≤0.3	PASS
				1000~2387	-50.92	≤-26	0.00809	≤2.5	PASS
				2387~2400	-51.39	≤-16	0.00726	≤25	PASS
				2483.5~2496.5	-51.79	≤-16	0.00662	≤25	PASS
				2496.5~13000	-48.52	≤-26	0.01406	≤2.5	PASS
	11G	Ant1	2412	30~1000	-55.33	≤-36	0.00293	≤0.3	PASS
				1000~2387	-51.87	≤-26	0.00650	≤2.5	PASS
				2387~2400	-52.50	≤-16	0.00562	≤25	PASS
				2483.5~2496.5	-51.99	≤-16	0.00632	≤25	PASS
				2496.5~13000	-49.07	≤-26	0.01239	≤2.5	PASS
			2442	30~1000	-55.10	≤-36	0.00309	≤0.3	PASS
				1000~2387	-51.14	≤-26	0.00769	≤2.5	PASS
				2387~2400	-52.26	≤-16	0.00594	≤25	PASS
				2483.5~2496.5	-51.73	≤-16	0.00671	≤25	PASS
				2496.5~13000	-48.36	≤-26	0.01459	≤2.5	PASS
			2472	30~1000	-55.49	≤-36	0.00282	≤0.3	PASS
				1000~2387	-51.48	≤-26	0.00711	≤2.5	PASS

				2387~2400	-51.86	≤-16	0.00652	≤25	PASS
				2483.5~2496.5	-51.45	≤-16	0.00716	≤25	PASS
				2496.5~13000	-48.12	≤-26	0.01542	≤2.5	PASS
	11N20SISO	Ant1	2412	30~1000	-55.62	≤-36	0.00274	≤0.3	PASS
				1000~2387	-51.52	≤-26	0.00705	≤2.5	PASS
				2387~2400	-52.35	≤-16	0.00582	≤25	PASS
				2483.5~2496.5	-52.14	≤-16	0.00611	≤25	PASS
				2496.5~13000	-48.79	≤-26	0.01321	≤2.5	PASS
			2442	30~1000	-55.56	≤-36	0.00278	≤0.3	PASS
				1000~2387	-51.28	≤-26	0.00745	≤2.5	PASS
				2387~2400	-52.09	≤-16	0.00618	≤25	PASS
				2483.5~2496.5	-51.56	≤-16	0.00698	≤25	PASS
				2496.5~13000	-48.69	≤-26	0.01352	≤2.5	PASS
			2472	30~1000	-54.66	≤-36	0.00342	≤0.3	PASS
				1000~2387	-51.86	≤-26	0.00652	≤2.5	PASS
				2387~2400	-52.40	≤-16	0.00575	≤25	PASS
				2483.5~2496.5	-51.86	≤-16	0.00652	≤25	PASS
				2496.5~13000	-48.41	≤-26	0.01442	≤2.5	PASS
	11N40SISO	Ant1	2422	30~1000	-55.55	≤-36	0.00279	≤0.3	PASS
				1000~2387	-51.25	≤-26	0.00750	≤2.5	PASS
				2387~2400	-52.22	≤-16	0.00600	≤25	PASS
				2483.5~2496.5	-51.49	≤-16	0.00710	≤25	PASS
				2496.5~13000	-48.67	≤-26	0.01358	≤2.5	PASS
			2442	30~1000	-55.46	≤-36	0.00284	≤0.3	PASS
				1000~2387	-51.31	≤-26	0.00740	≤2.5	PASS
				2387~2400	-52.22	≤-16	0.00600	≤25	PASS
				2483.5~2496.5	-51.27	≤-16	0.00746	≤25	PASS
				2496.5~13000	-48.94	≤-26	0.01276	≤2.5	PASS
			2462	30~1000	-55.42	≤-36	0.00287	≤0.3	PASS
				1000~2387	-51.40	≤-26	0.00724	≤2.5	PASS
				2387~2400	-52.14	≤-16	0.00611	≤25	PASS

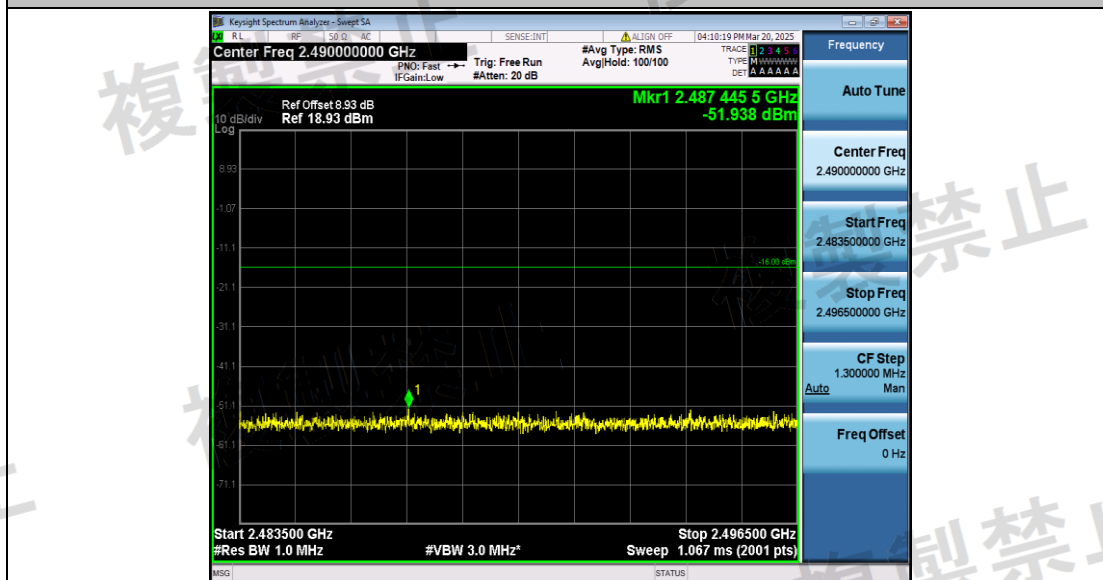
				2483.5~249 6.5	-51.20	≤-16	0.00759	≤25	PASS
				2496.5~130 00	-47.45	≤-26	0.01799	≤2.5	PASS

Test Graphs

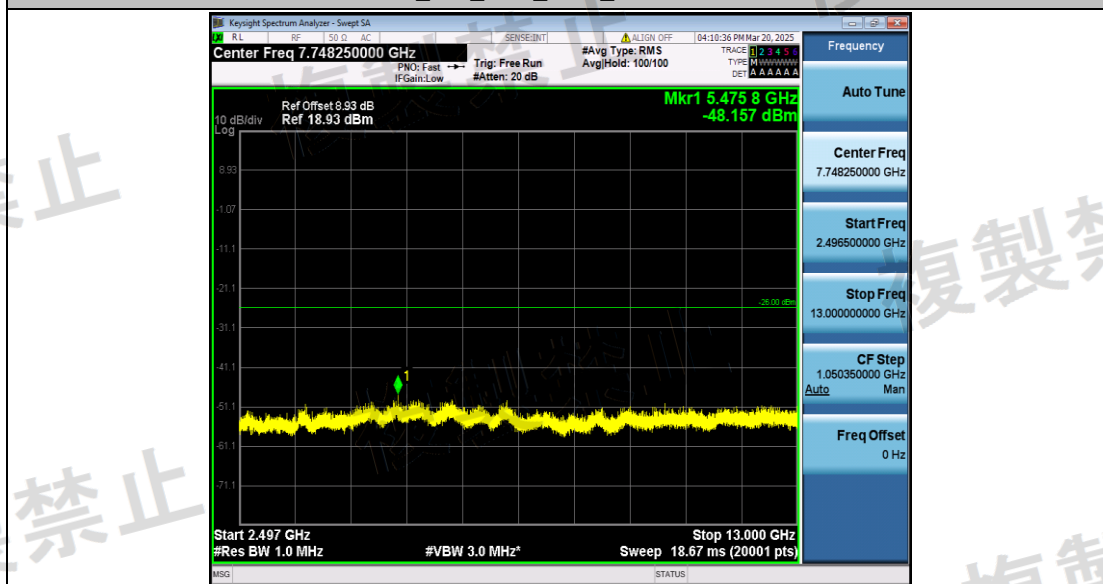


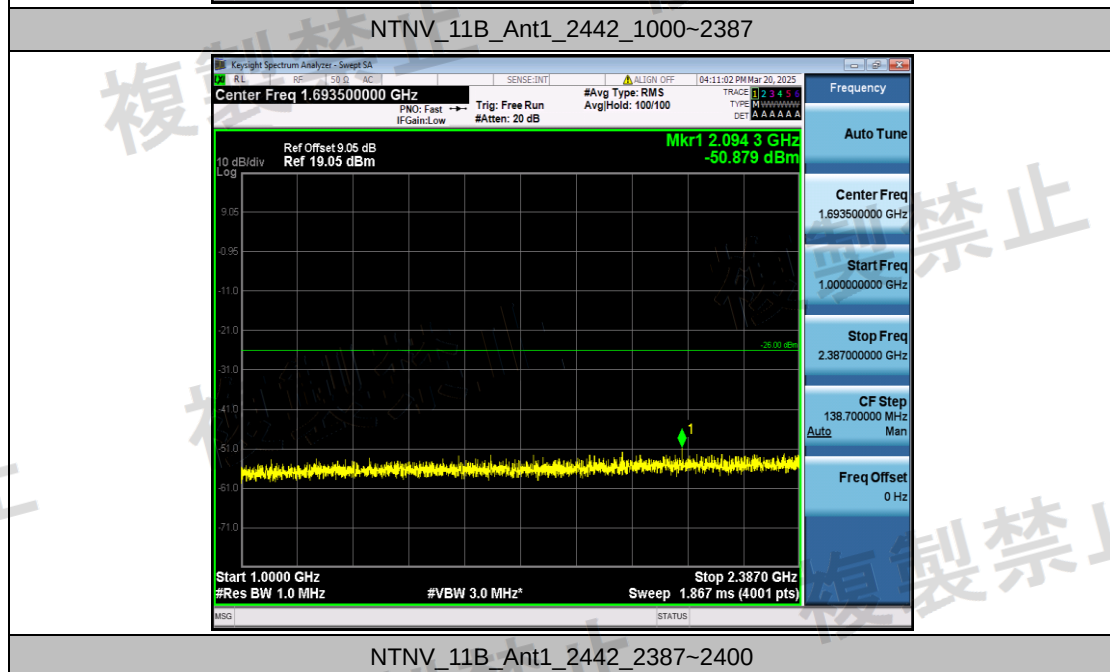
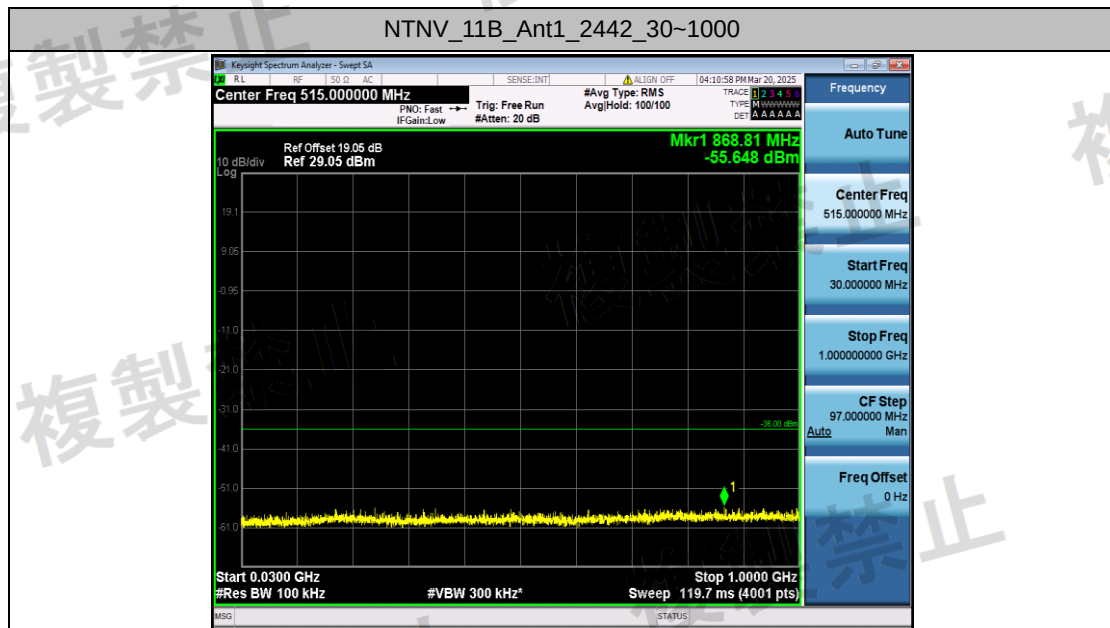


NTNV_11B_Ant1_2412_2483.5~2496.5

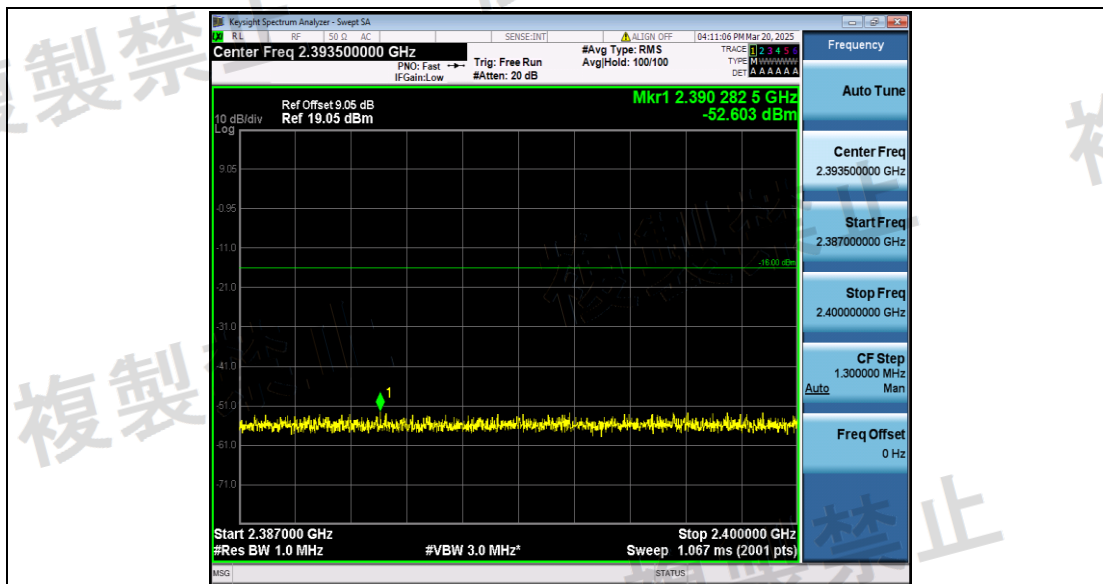


NTNV_11B_Ant1_2412_2496.5~13000

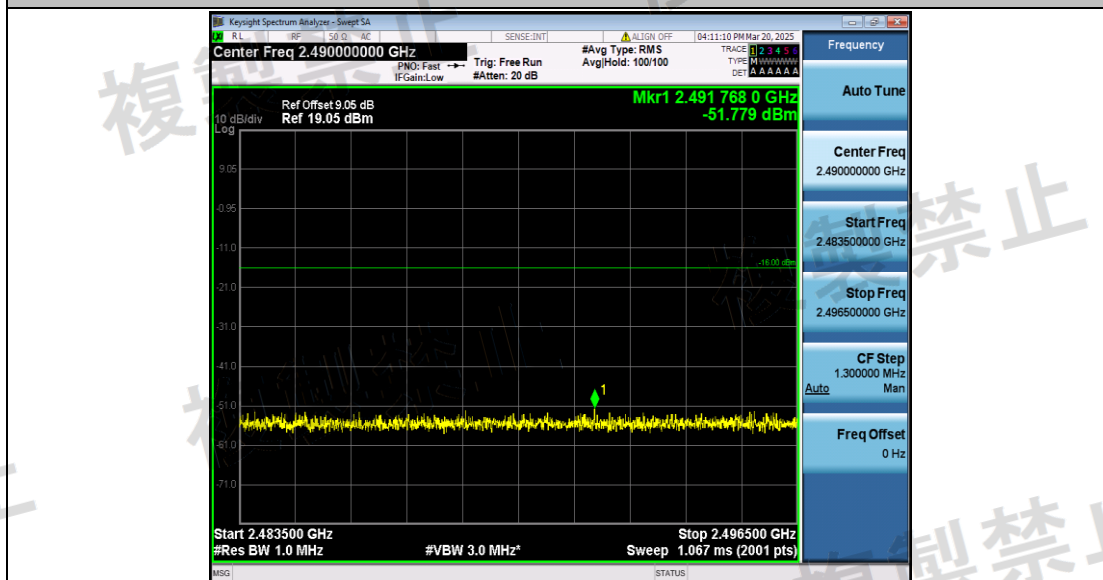




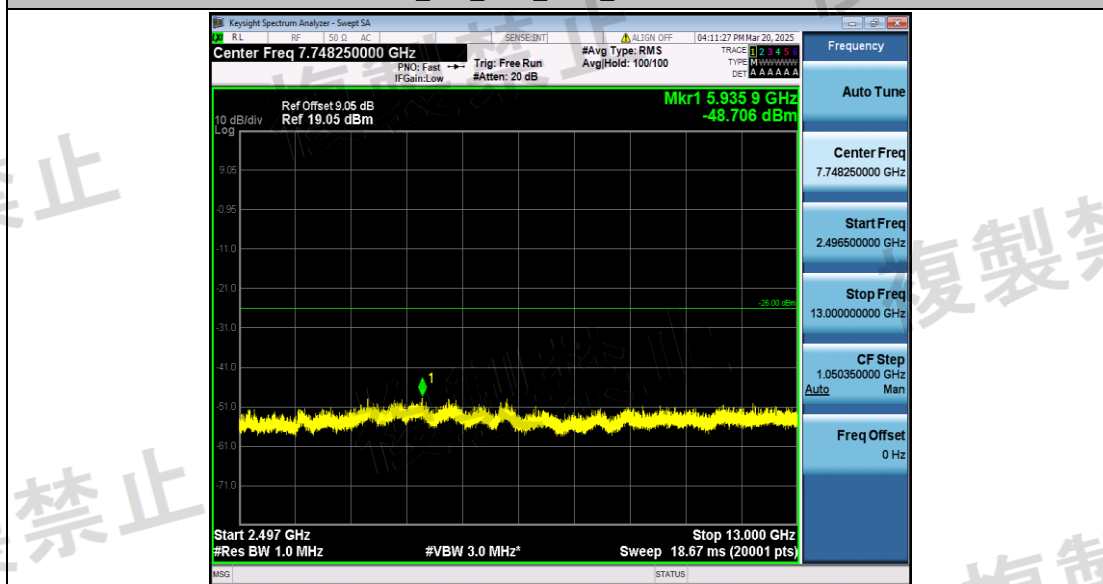
NTNV_11B_Ant1_2442_2387~2400

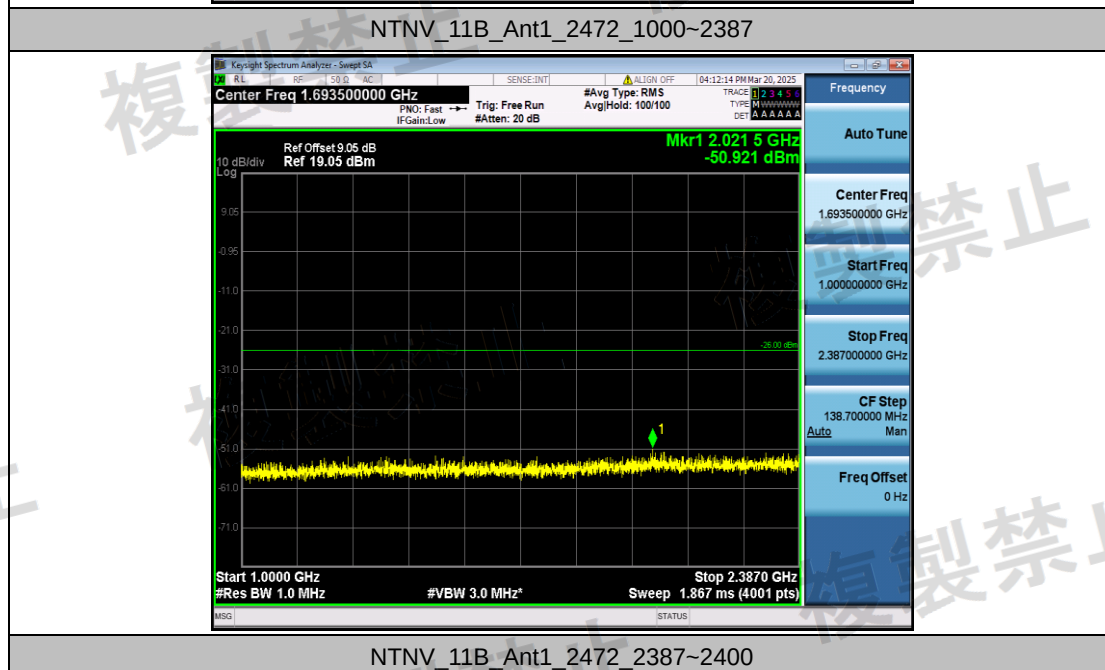
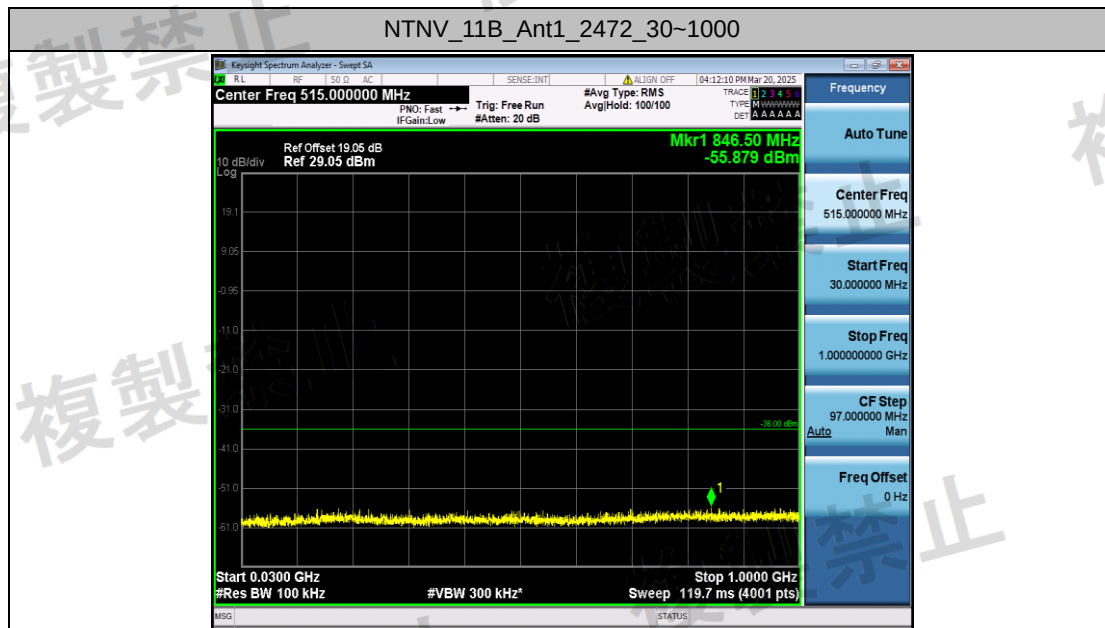


NTNV_11B_Ant1_2442_2483.5~2496.5

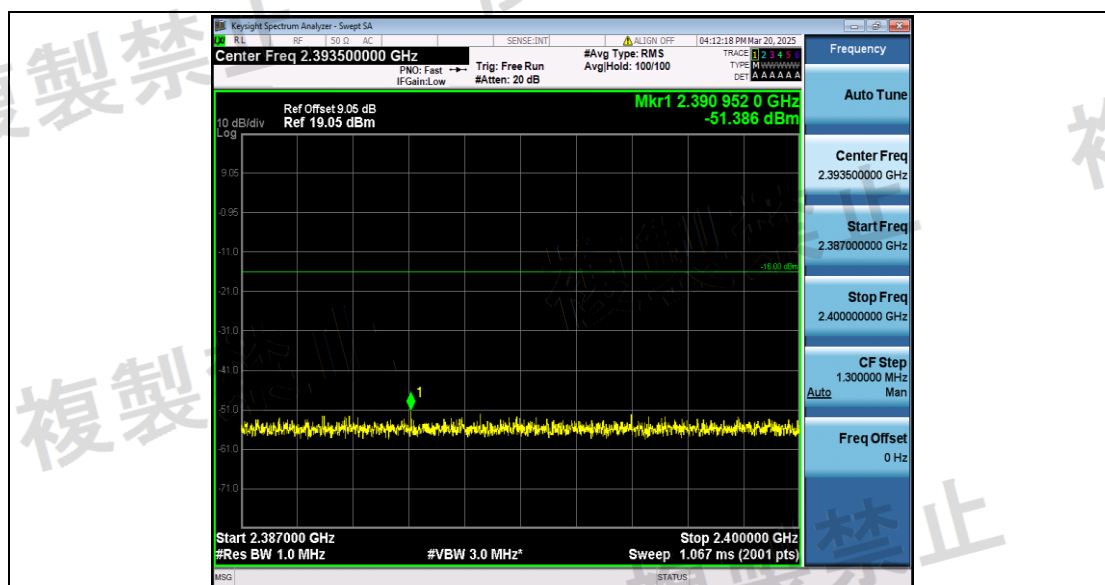


NTNV_11B_Ant1_2442_2496.5~13000

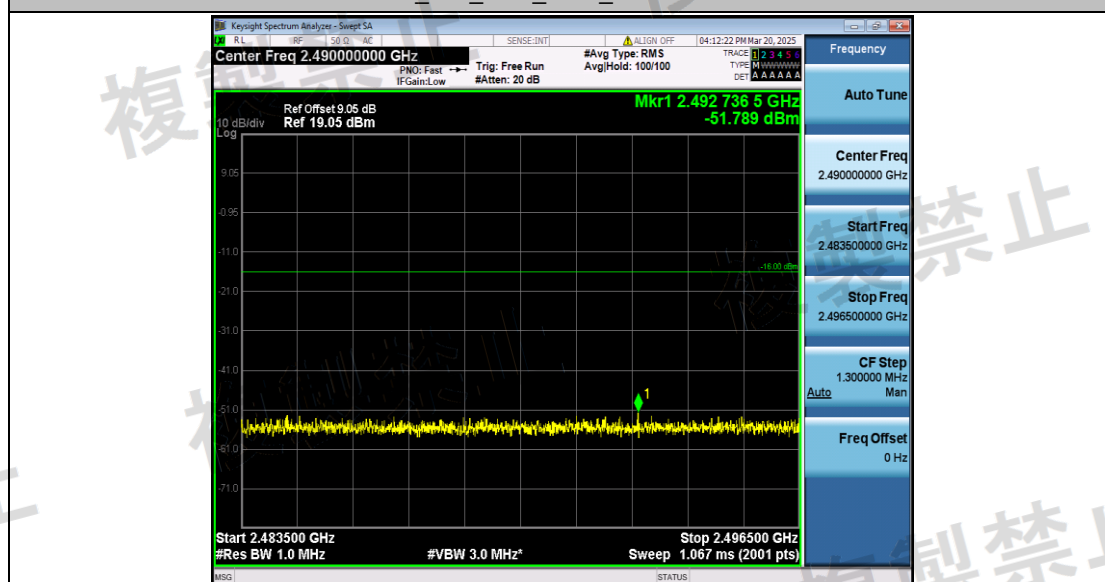




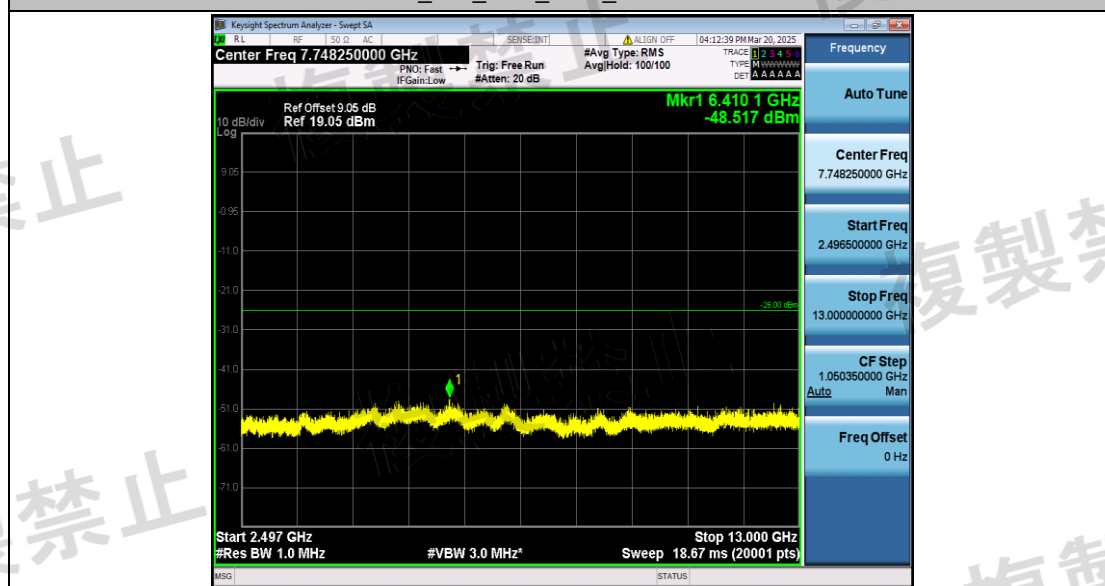
NTNV_11B_Ant1_2472_2387~2400

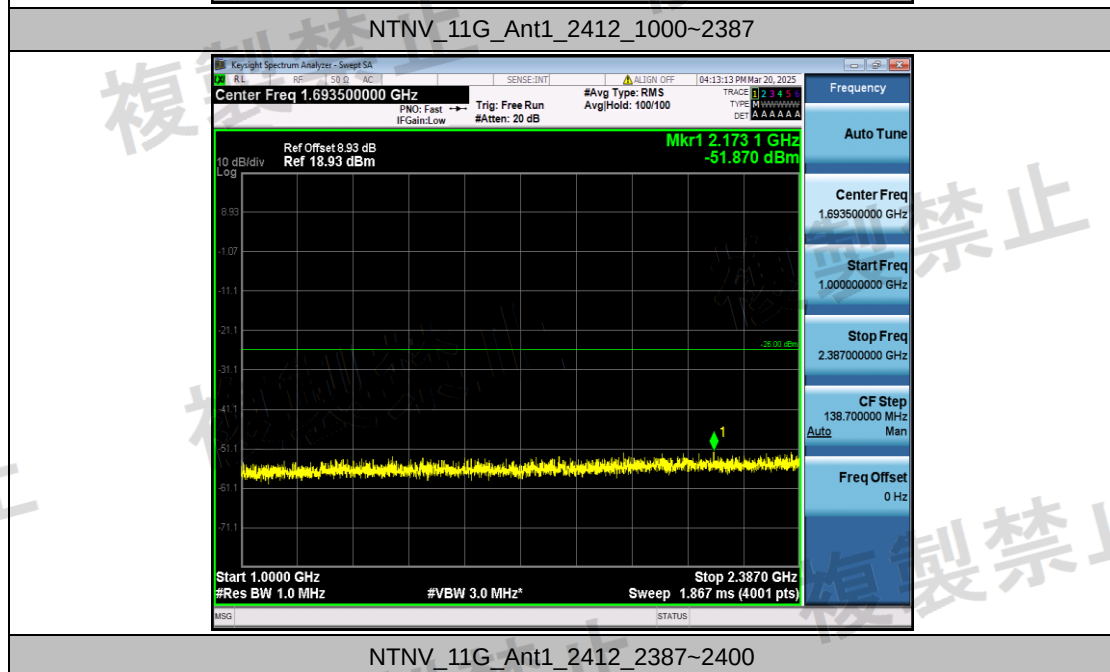
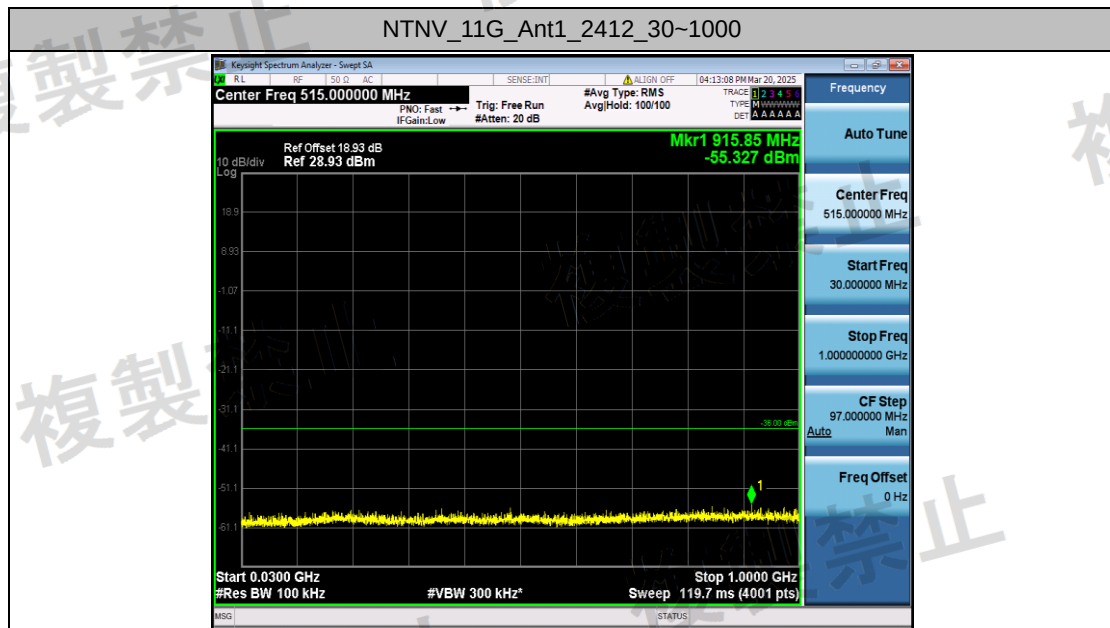


NTNV_11B_Ant1_2472_2483.5~2496.5

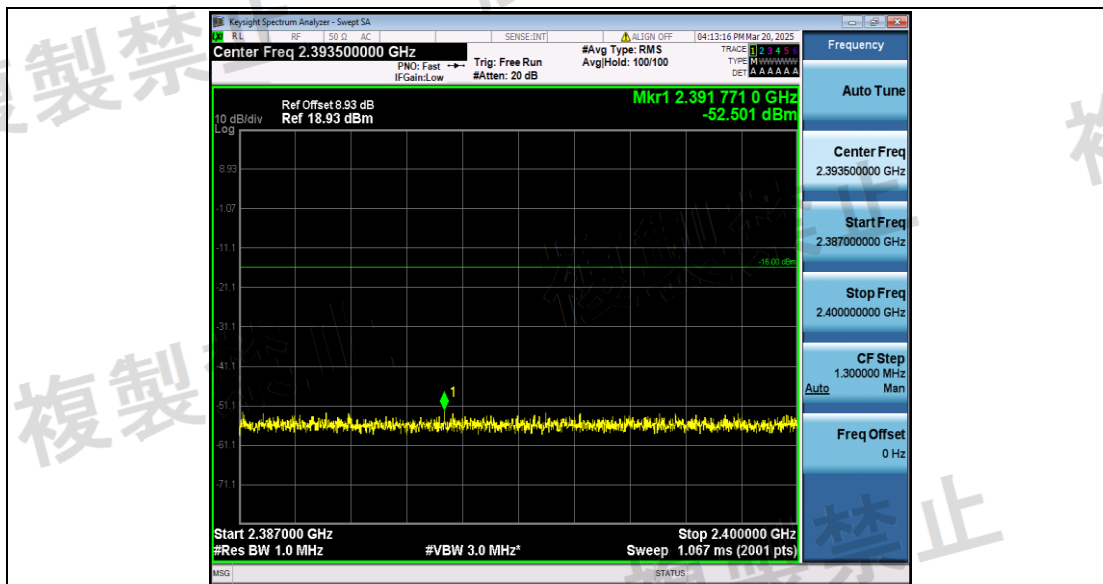


NTNV_11B_Ant1_2472_2496.5~13000

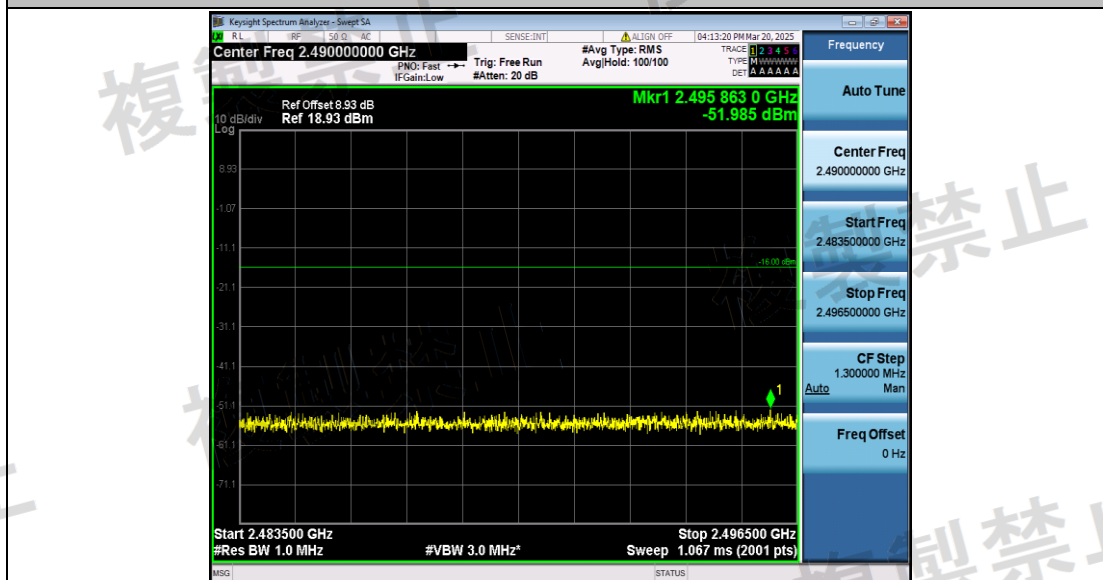




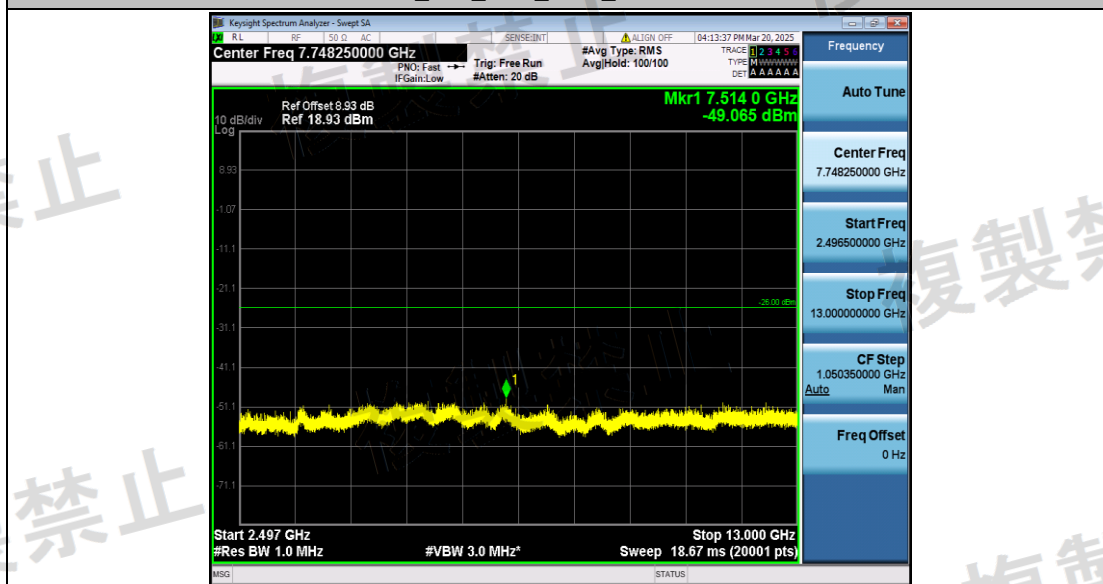
NTNV_11G_Ant1_2412_2387~2400

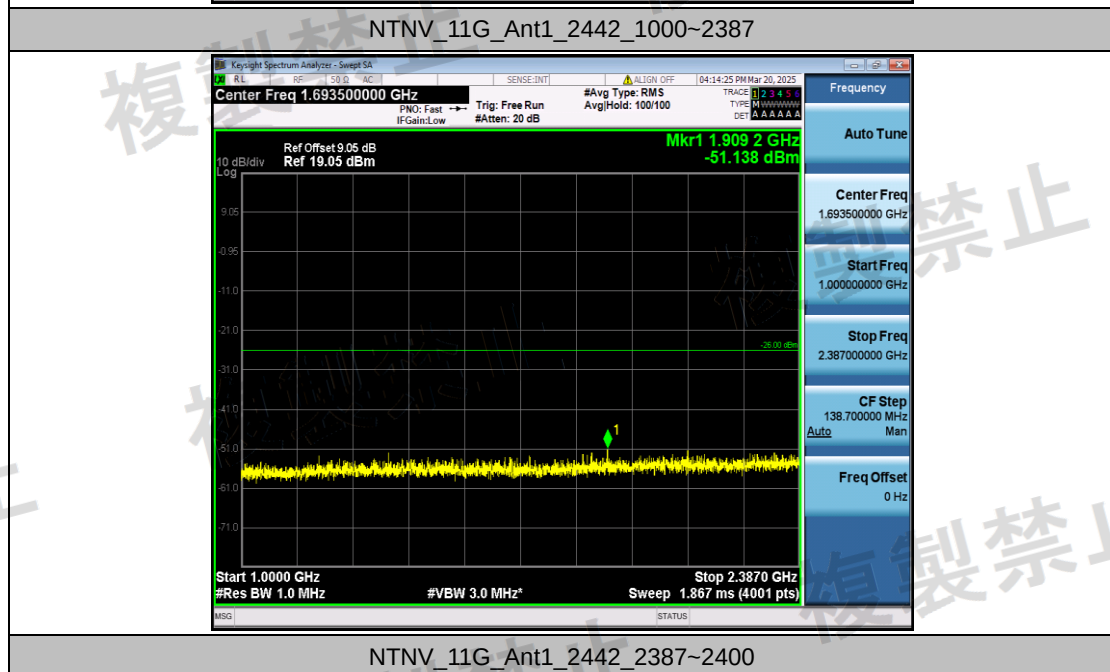
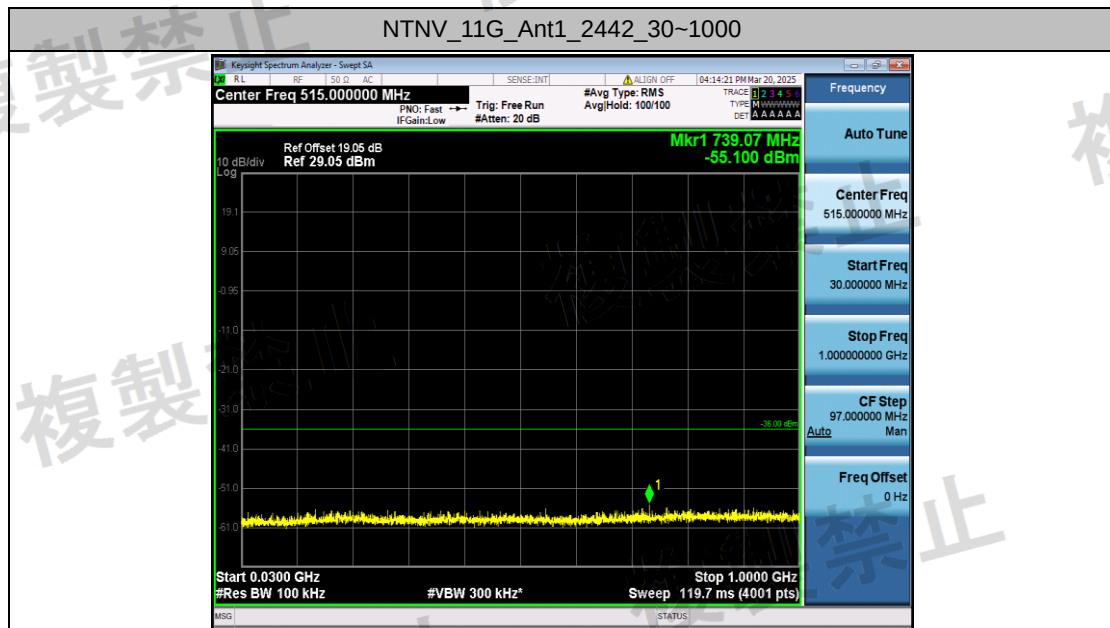


NTNV_11G_Ant1_2412_2483.5~2496.5

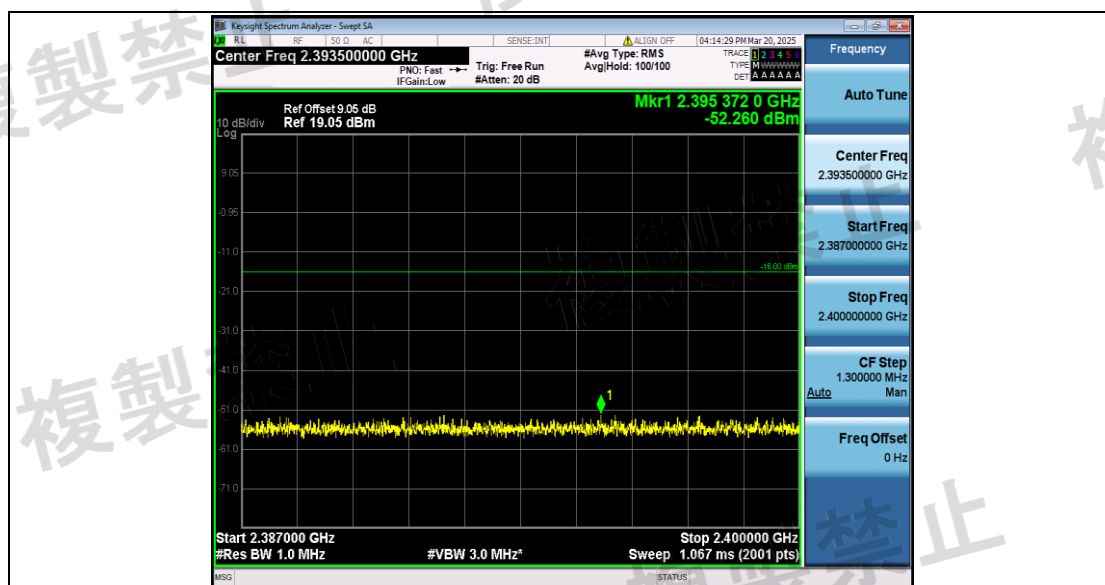


NTNV_11G_Ant1_2412_2496.5~13000

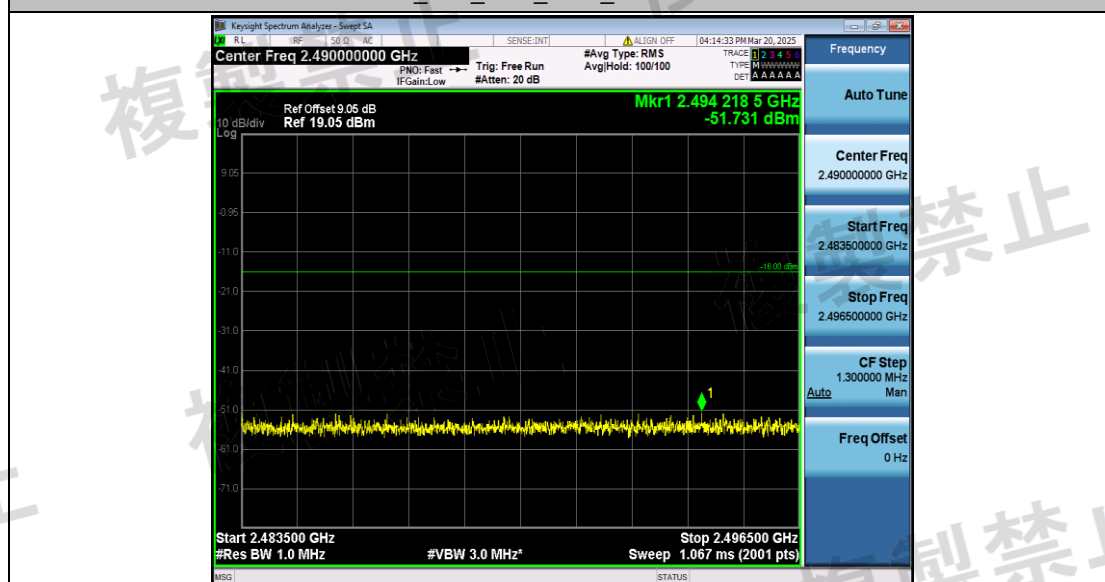




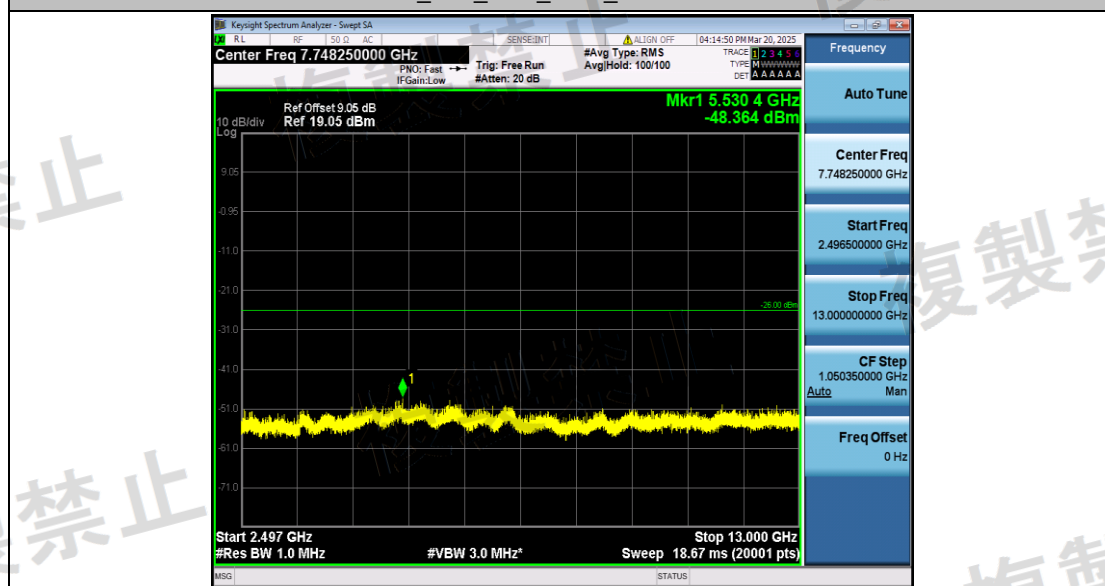
NTNV_11G_Ant1_2442_2387~2400

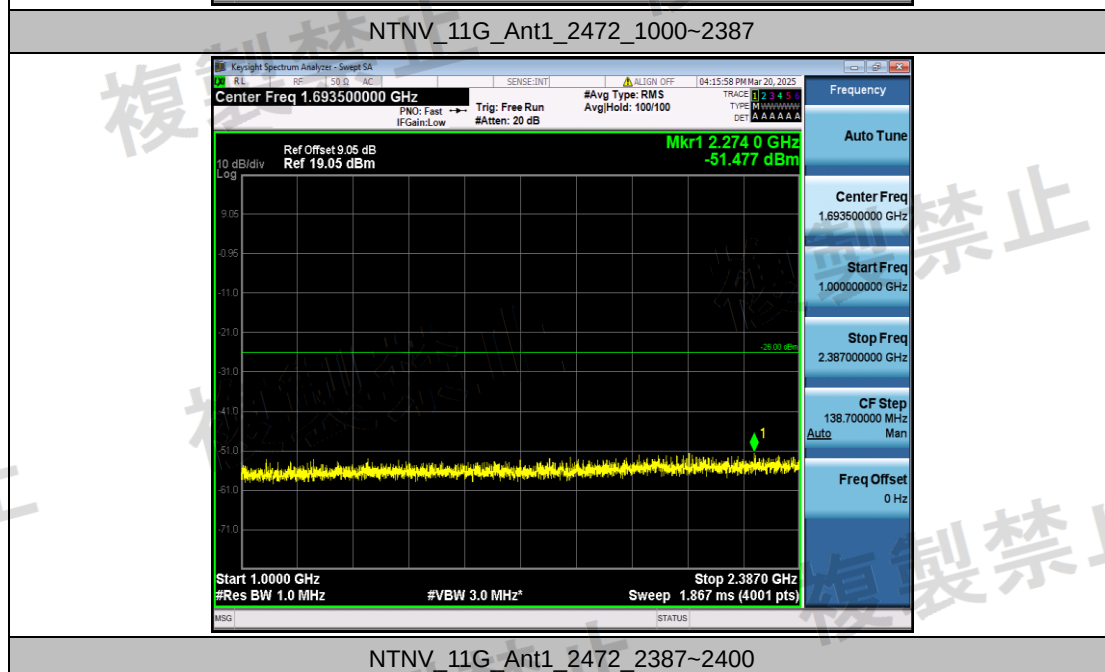
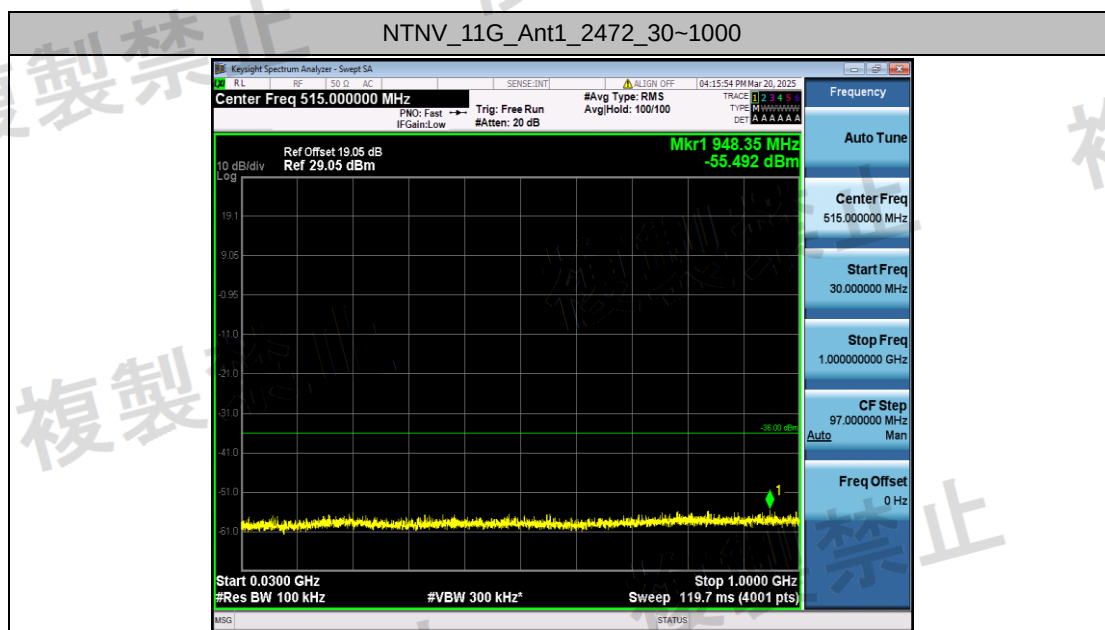


NTNV_11G_Ant1_2442_2483.5~2496.5

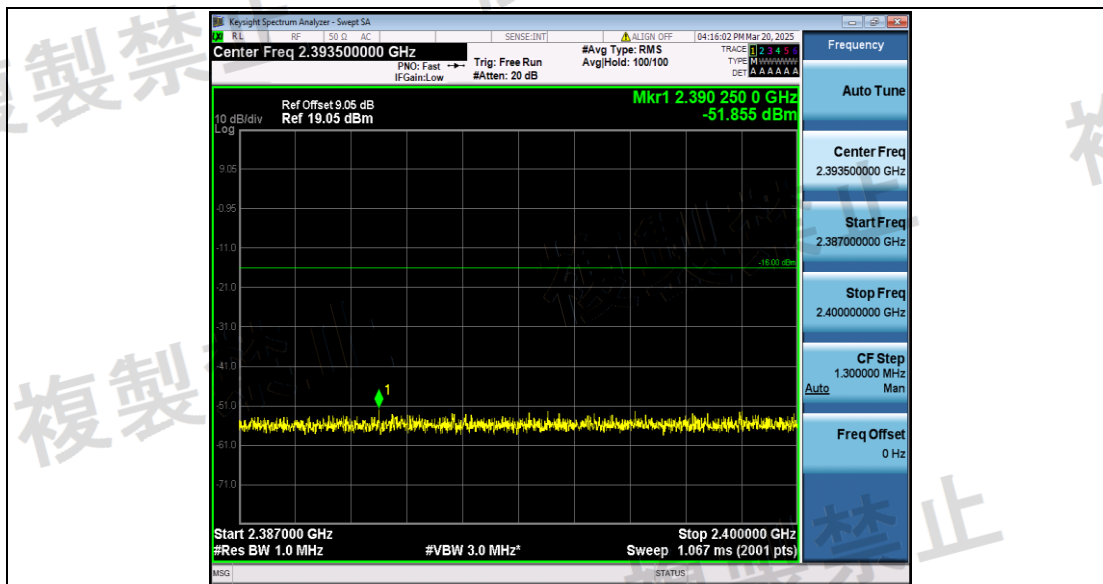


NTNV_11G_Ant1_2442_2496.5~13000

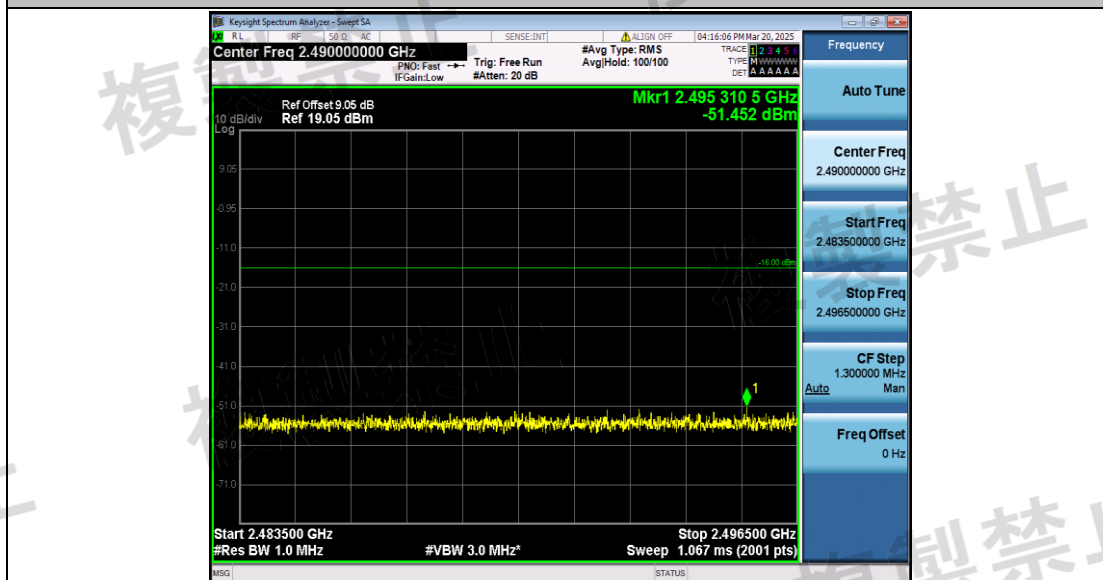




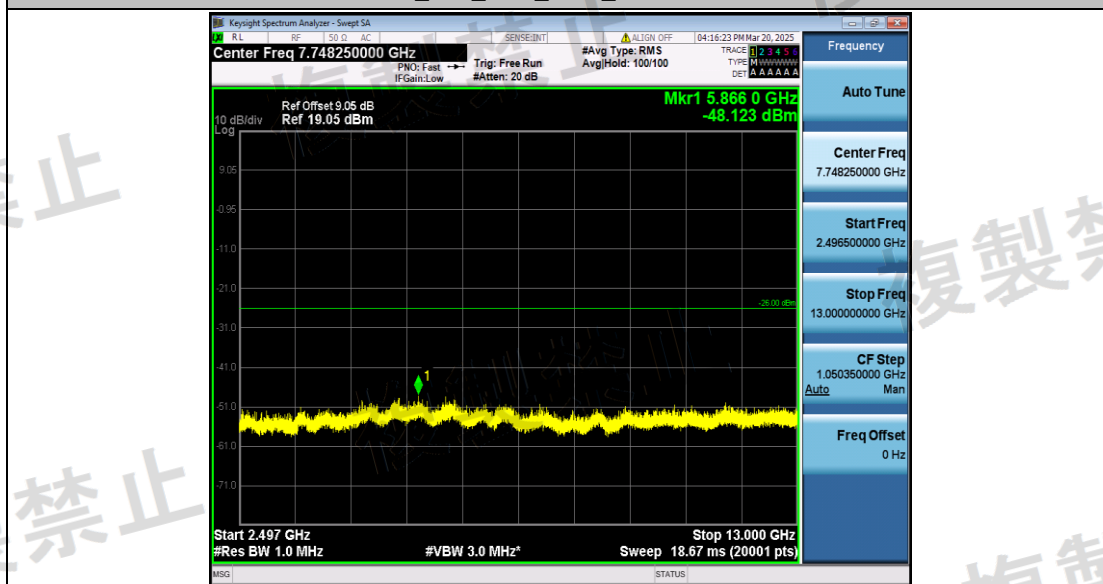
NTNV_11G_Ant1_2472_2387~2400

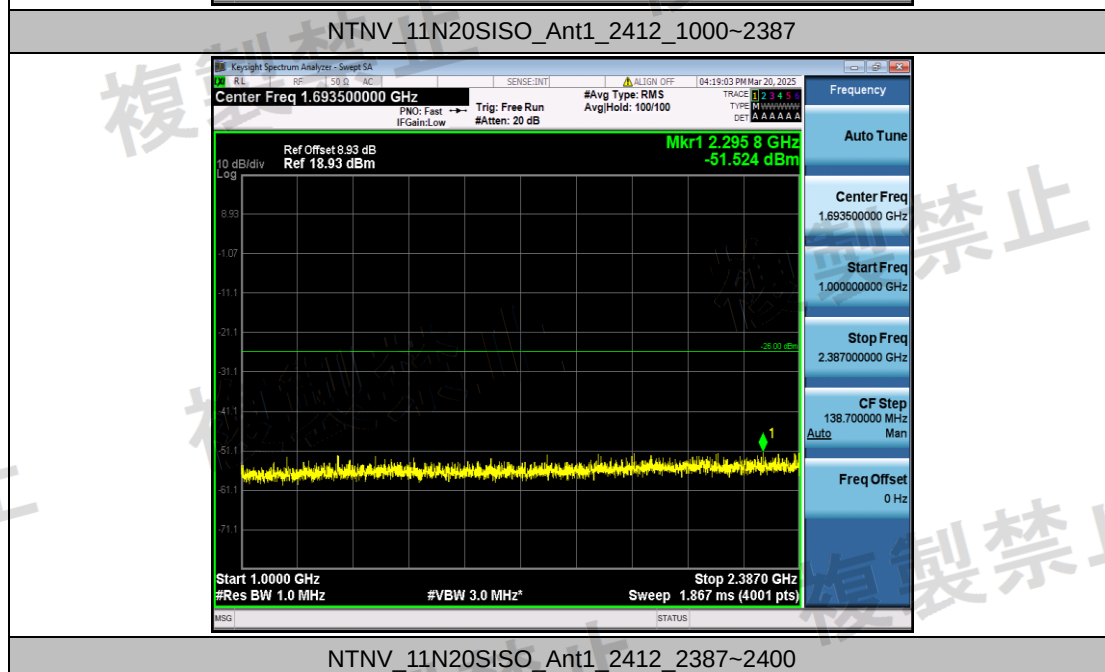
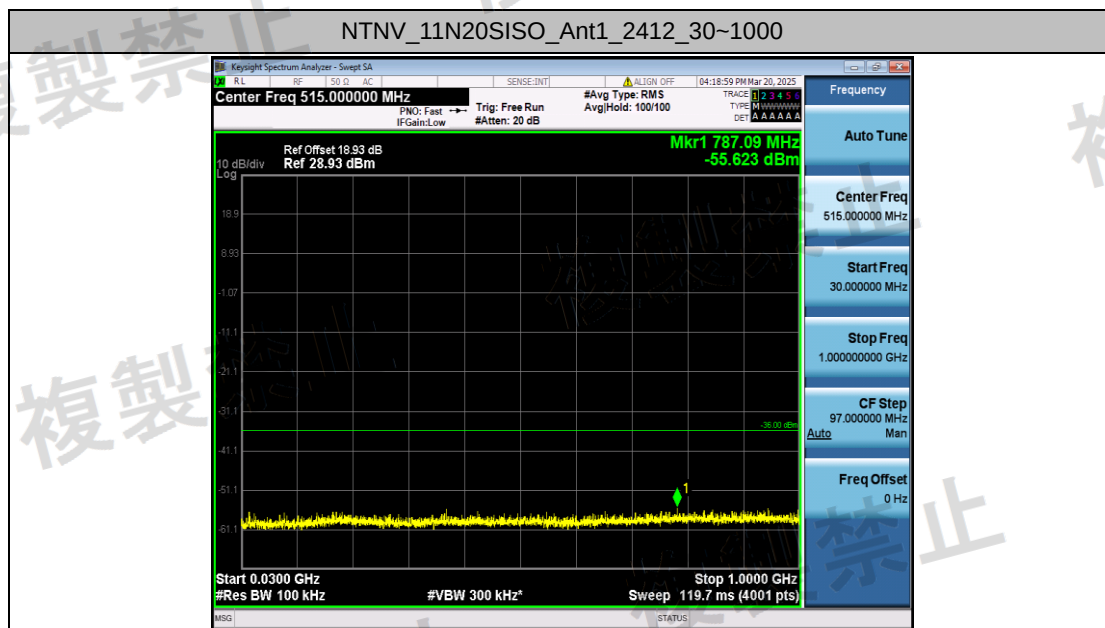


NTNV_11G_Ant1_2472_2483.5~2496.5

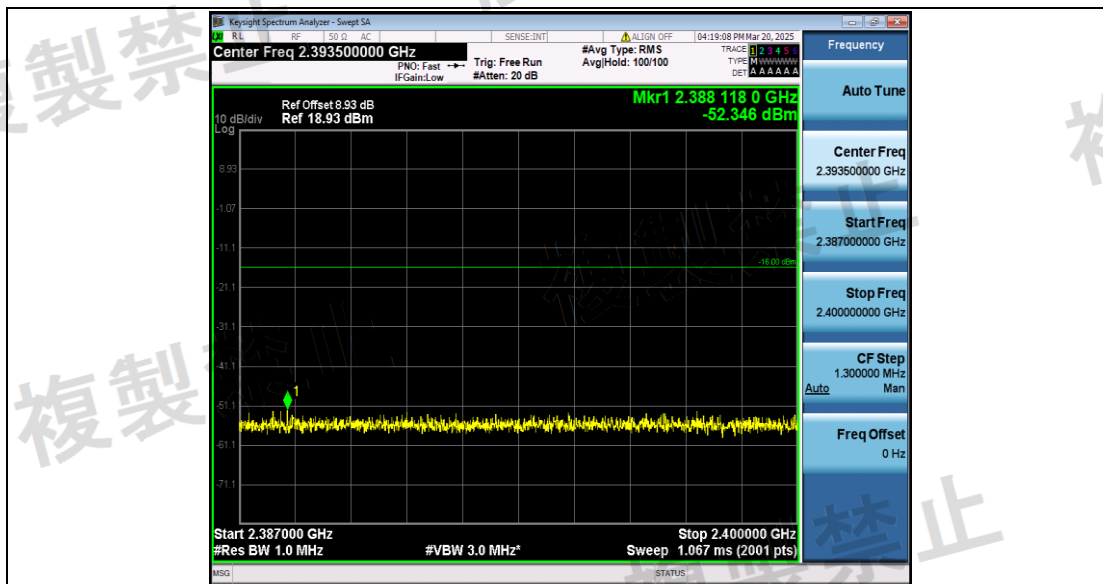


NTNV_11G_Ant1_2472_2496.5~13000

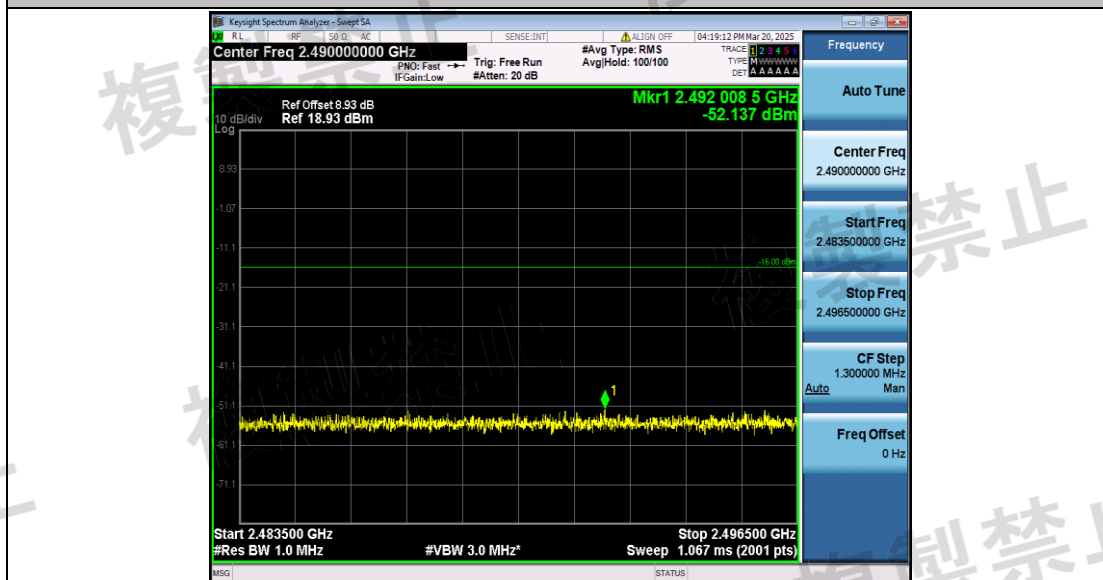




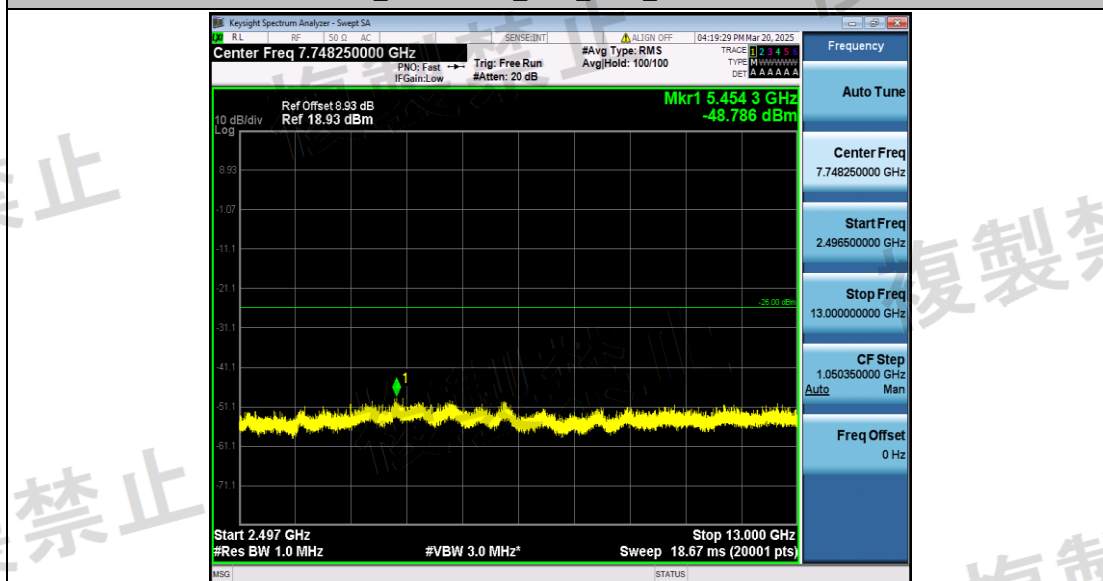
NTNV_11N20SISO_Ant1_2412_2387~2400

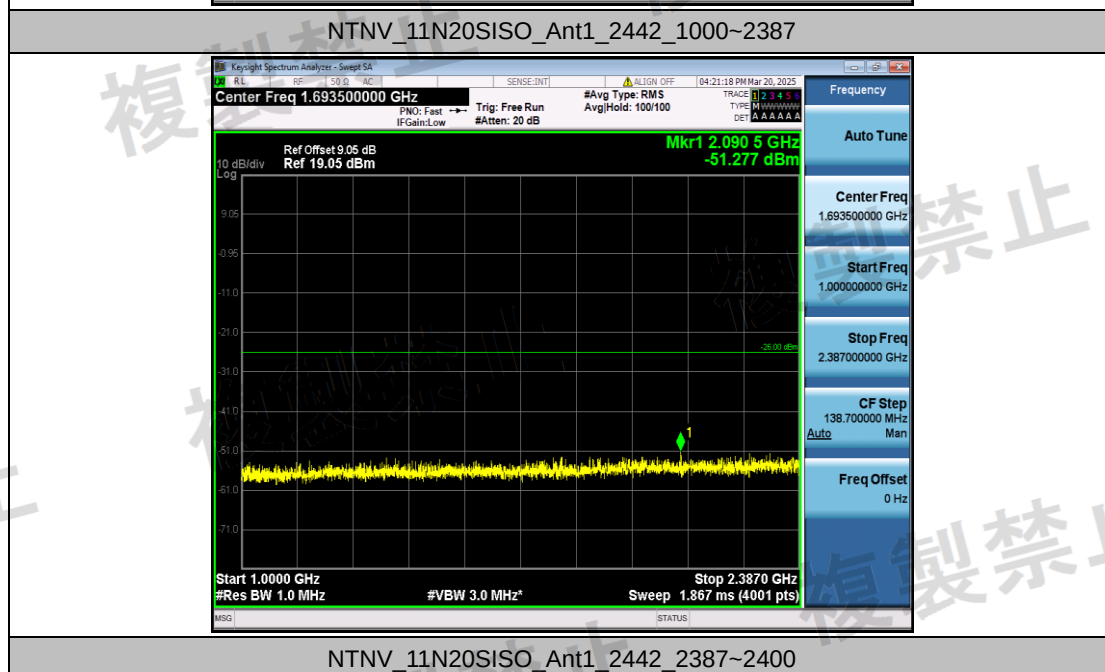
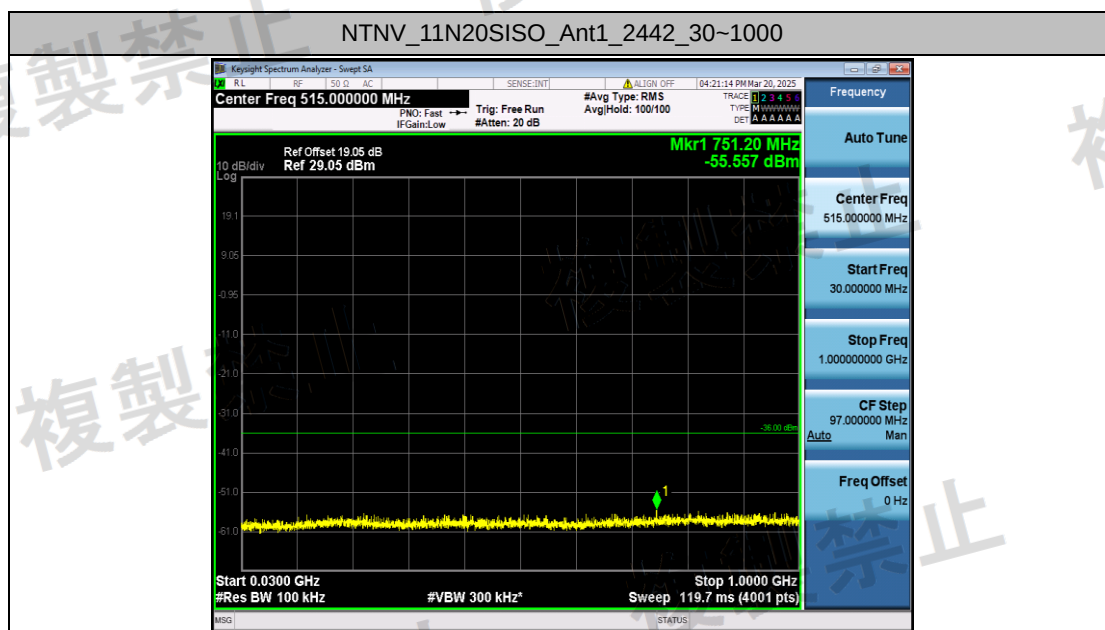


NTNV_11N20SISO_Ant1_2412_2483.5~2496.5

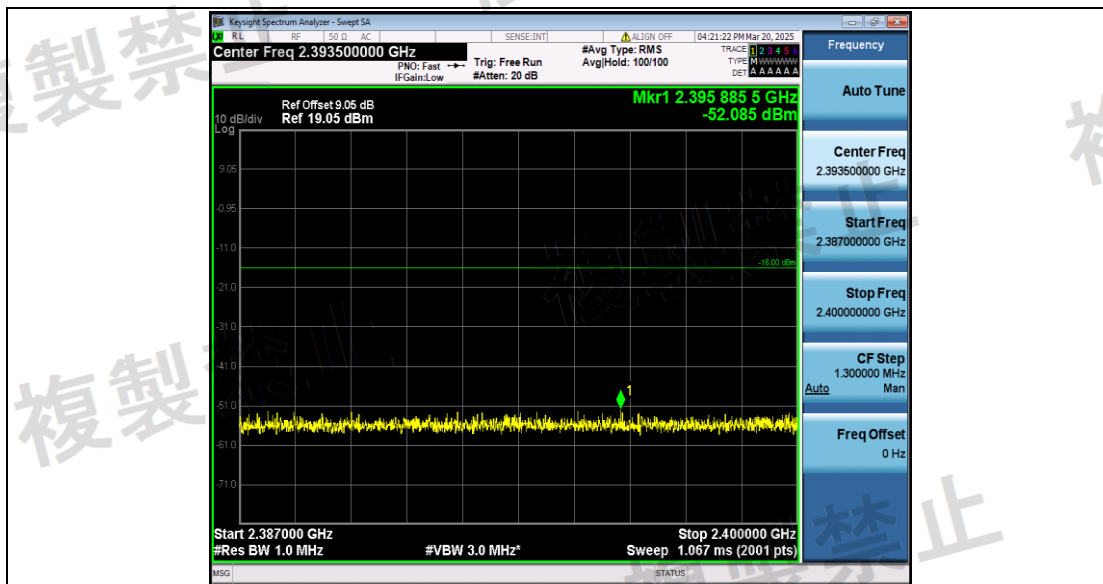


NTNV_11N20SISO_Ant1_2412_2496.5~13000

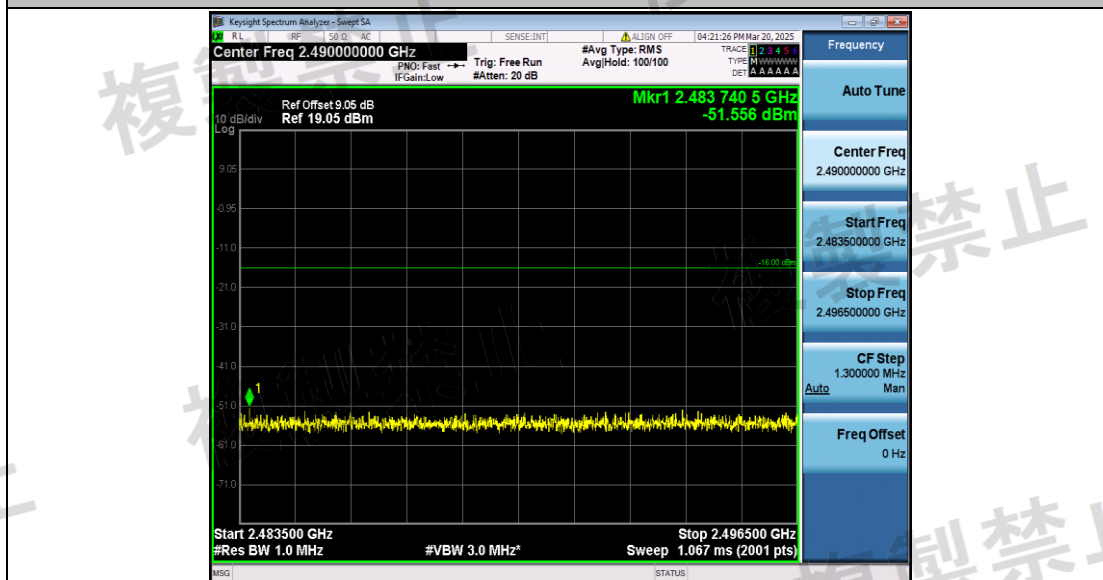




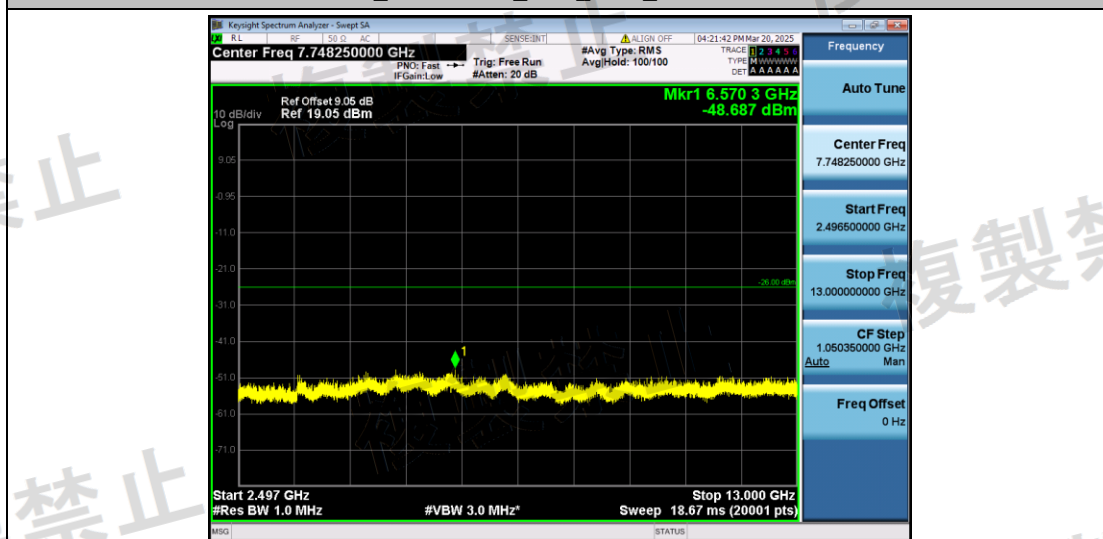
NTNV_11N20SISO_Ant1_2442_2387~2400



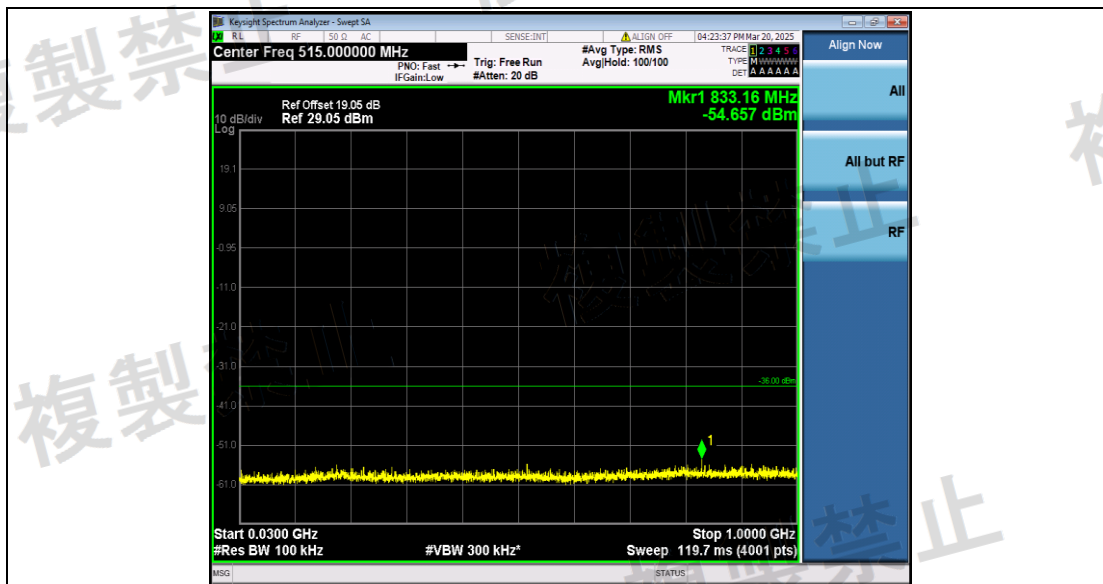
NTNV_11N20SISO_Ant1_2442_2483.5~2496.5



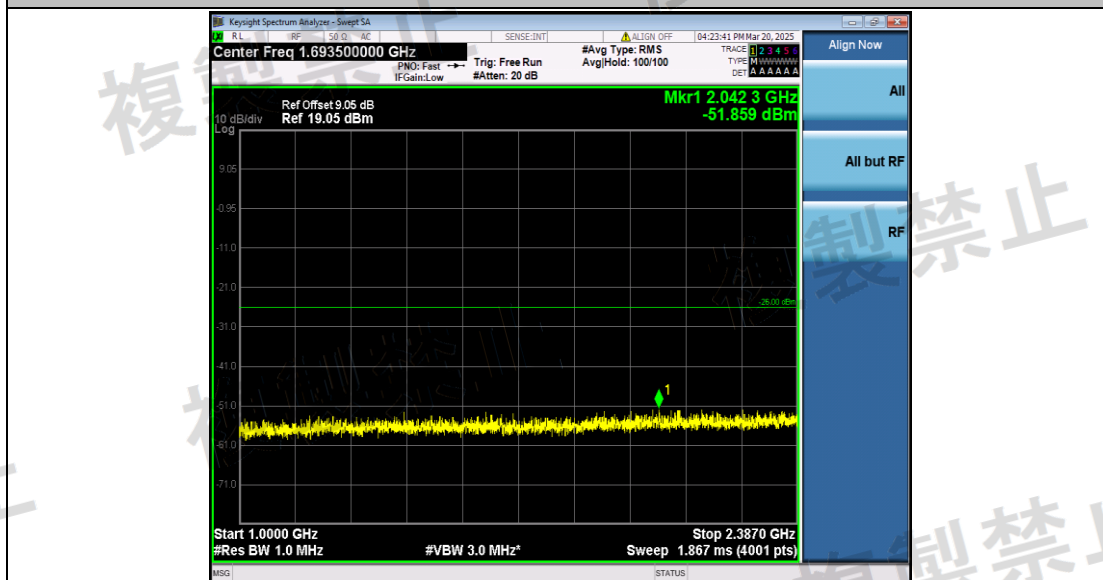
NTNV_11N20SISO_Ant1_2442_2496.5~13000



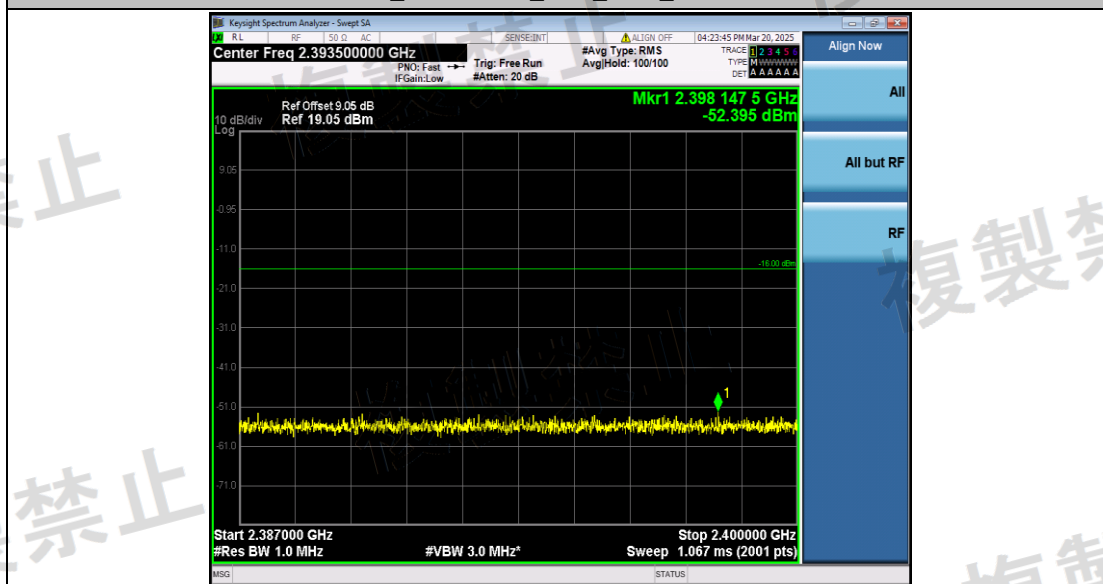
NTNV_11N20SISO_Ant1_2472_30~1000

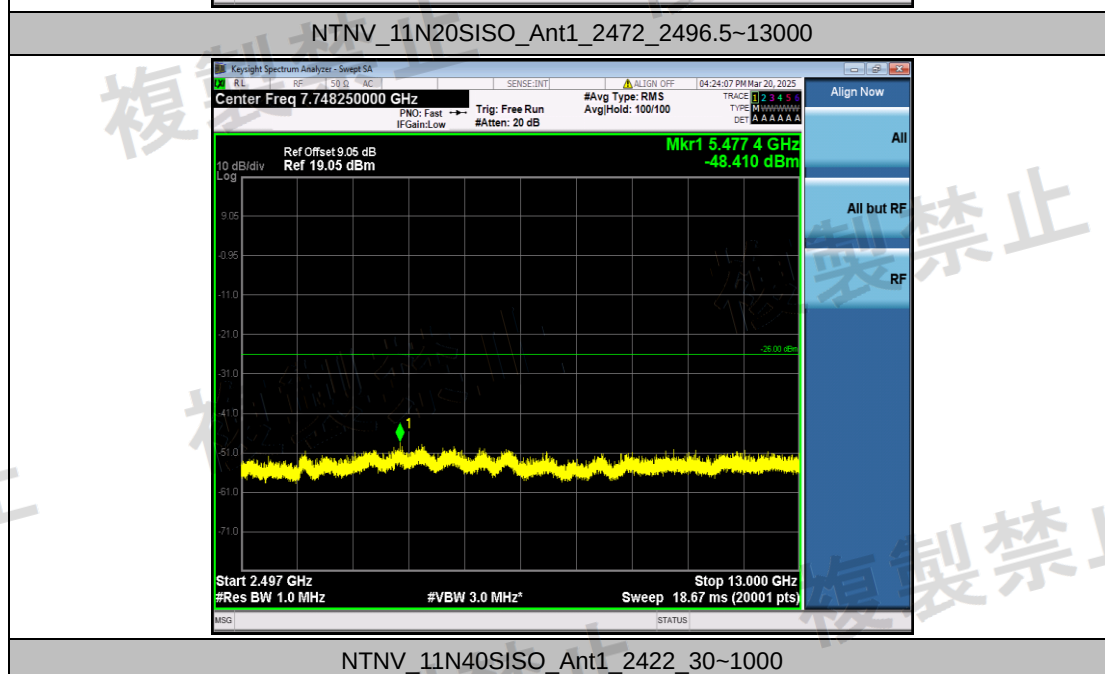
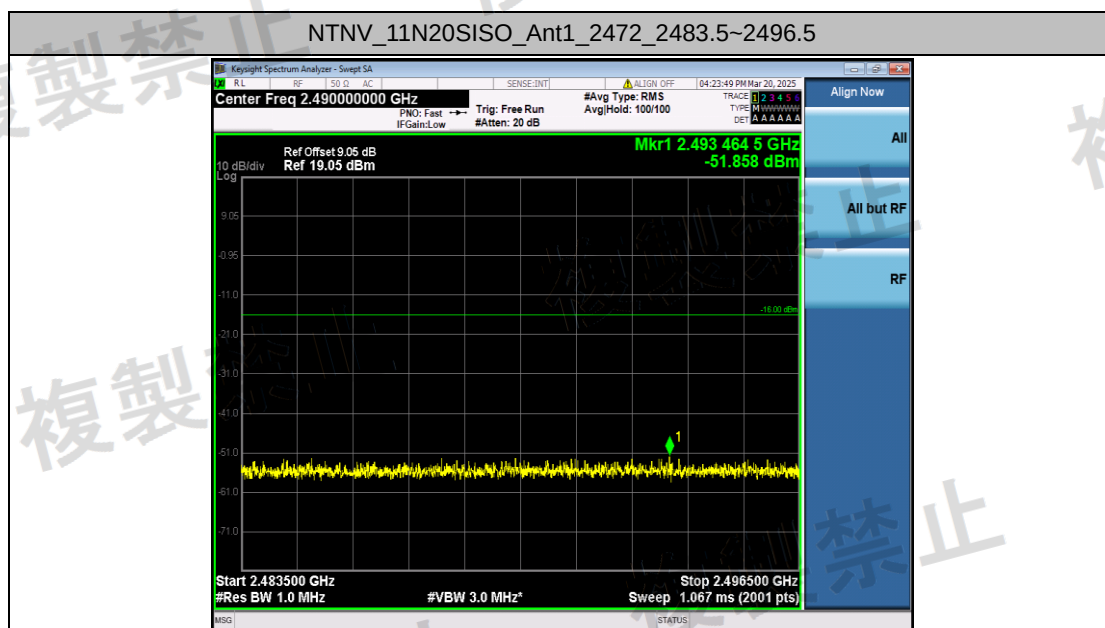


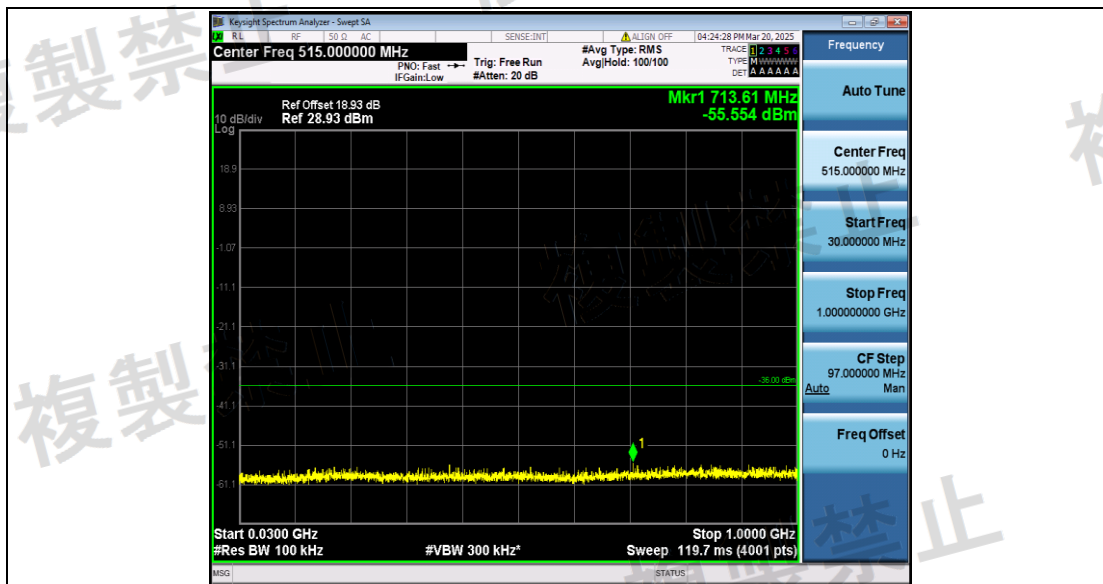
NTNV_11N20SISO_Ant1_2472_1000~2387



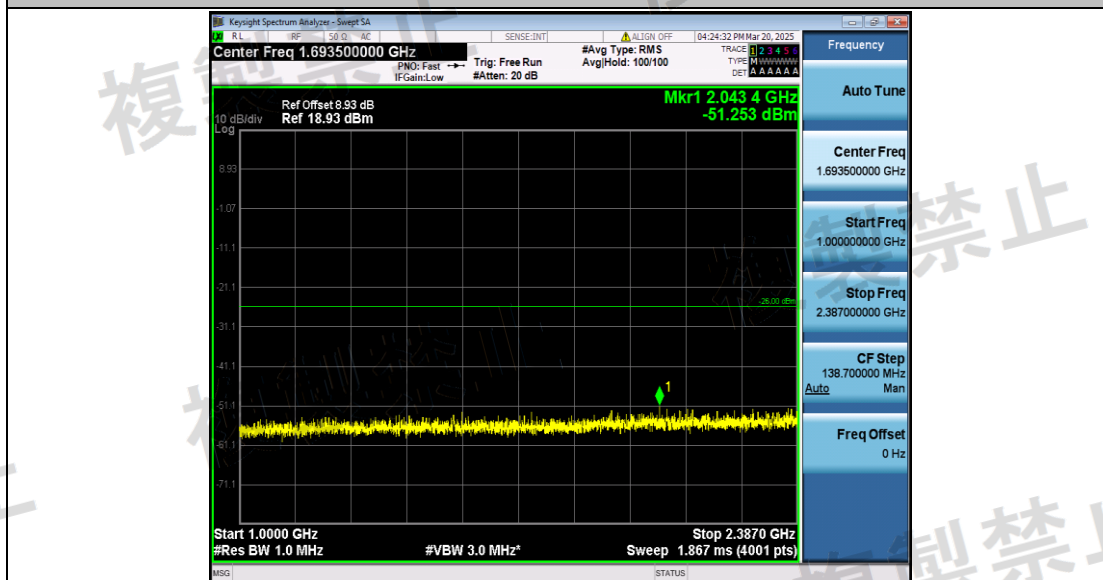
NTNV_11N20SISO_Ant1_2472_2387~2400



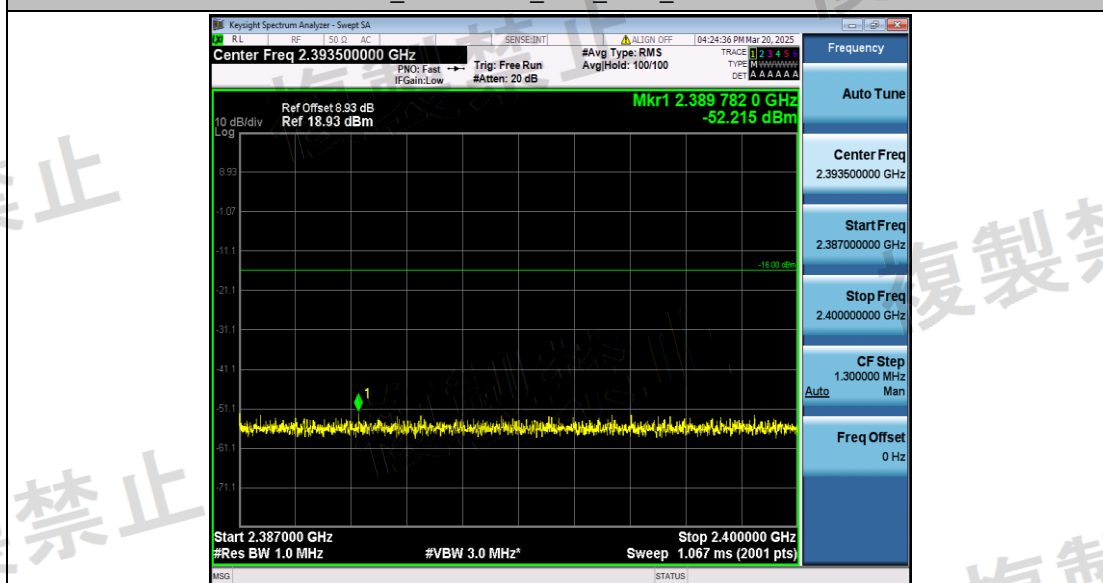


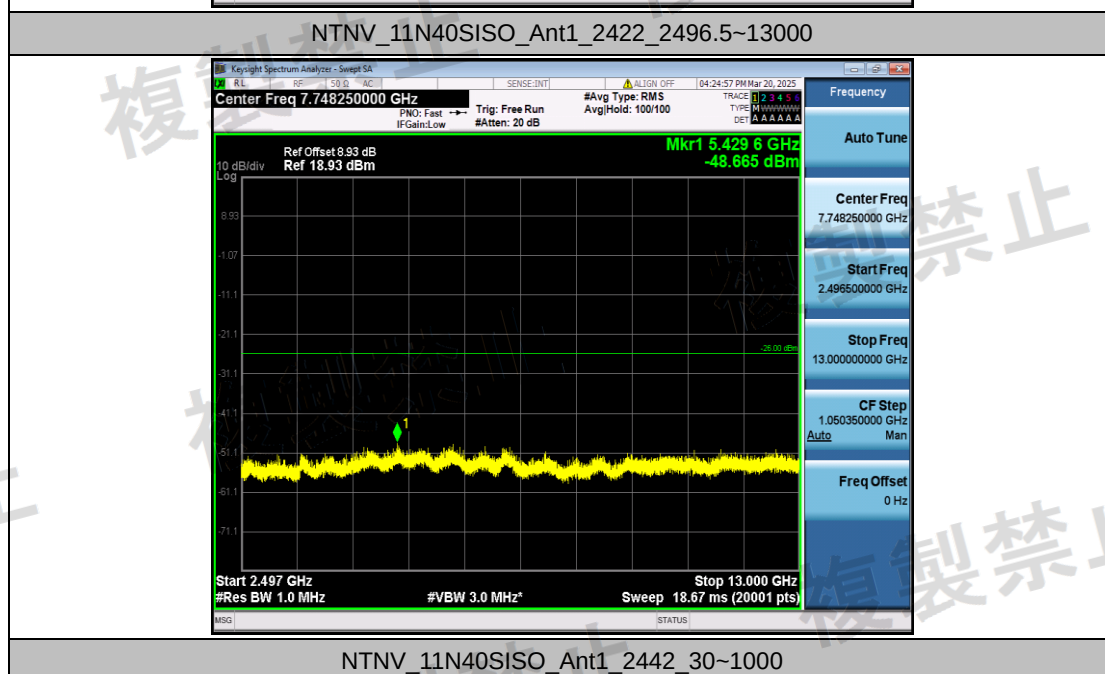
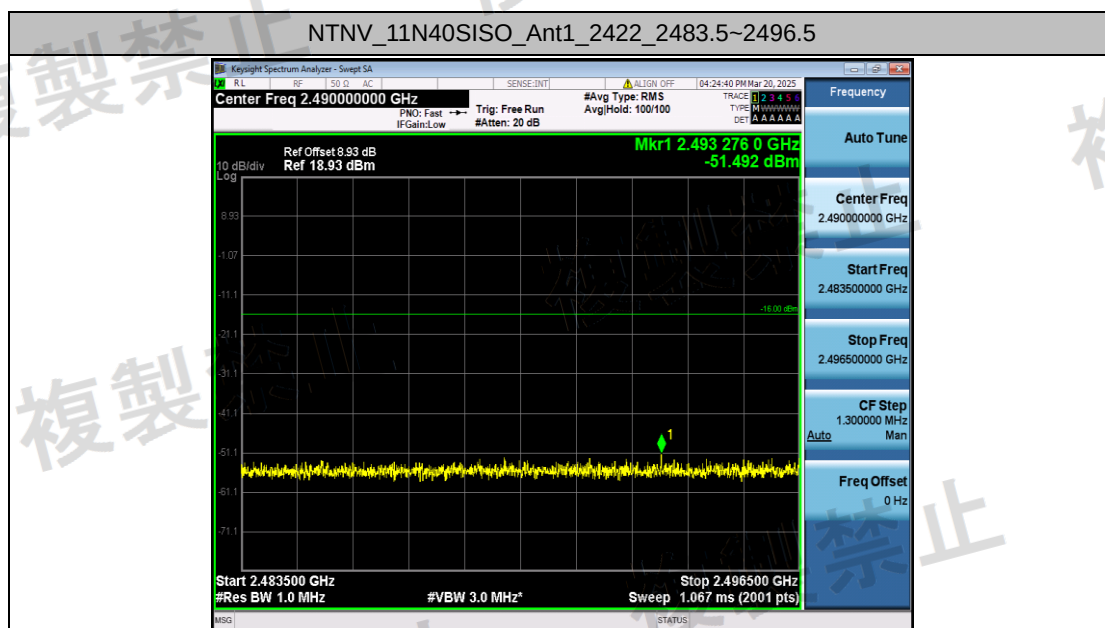


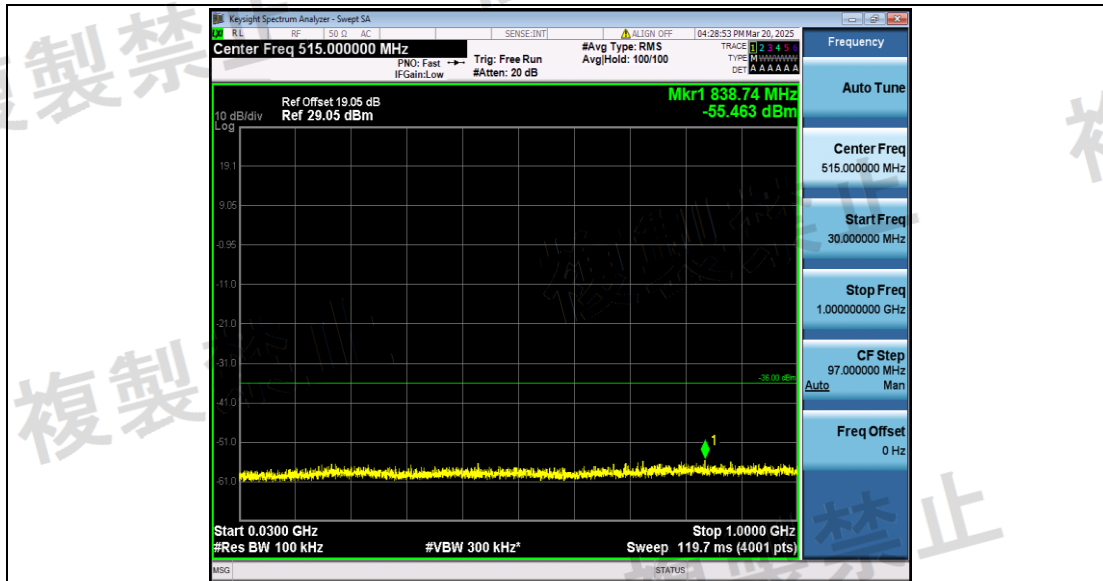
NTNV_11N40SISO_Ant1_2422_1000~2387



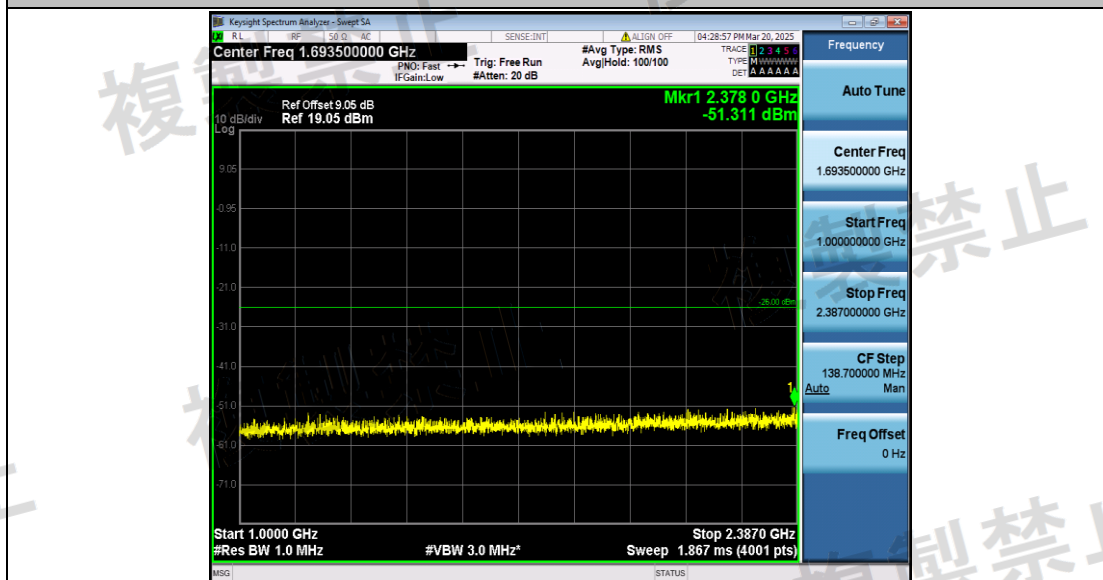
NTNV_11N40SISO_Ant1_2422_2387~2400



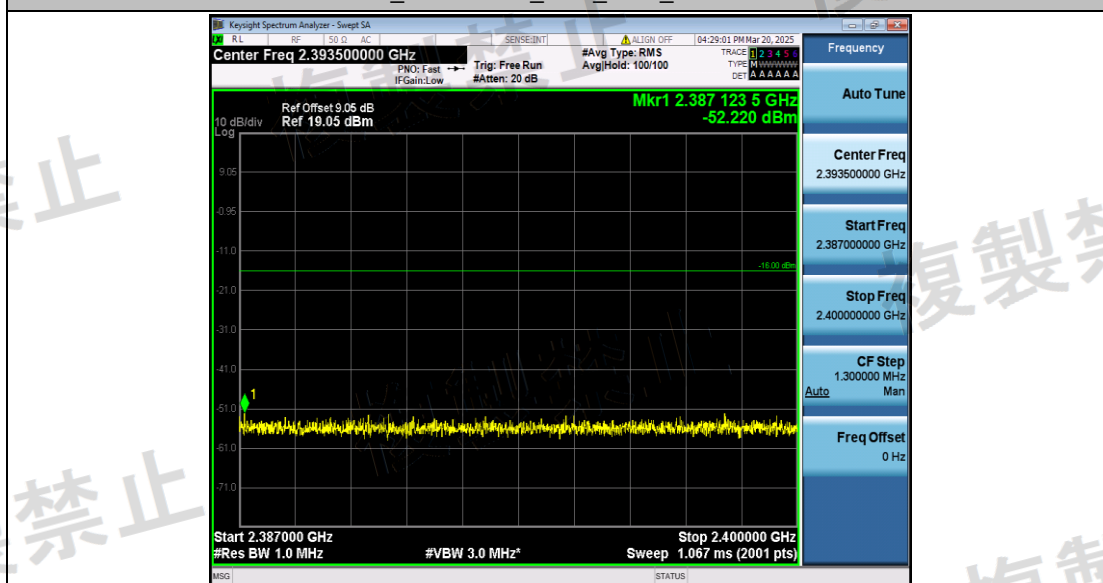


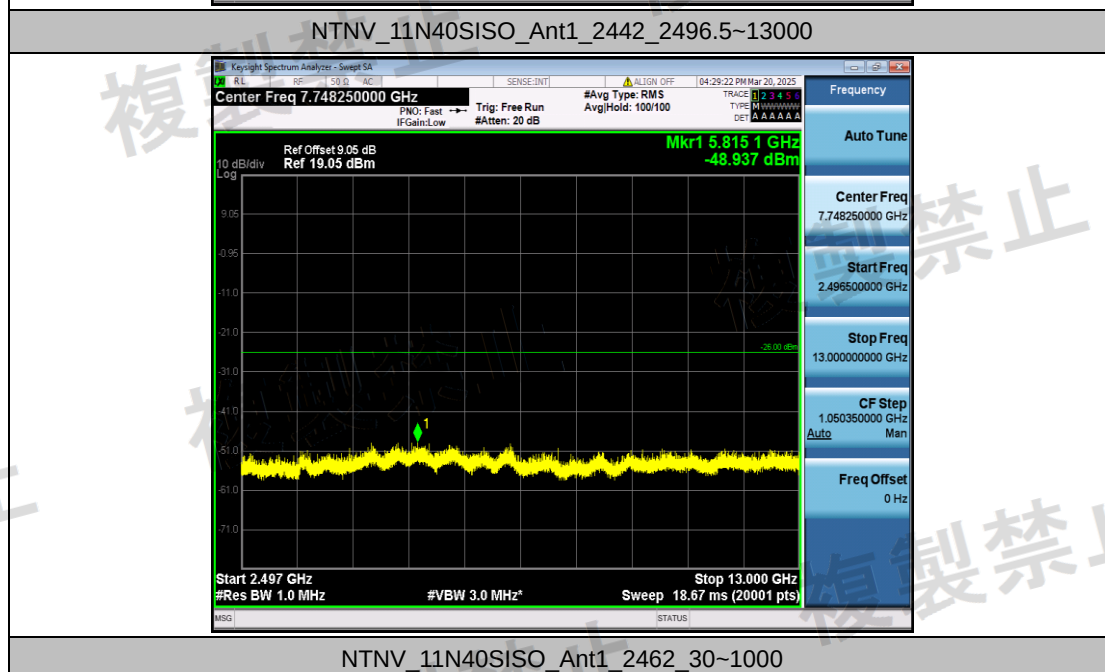
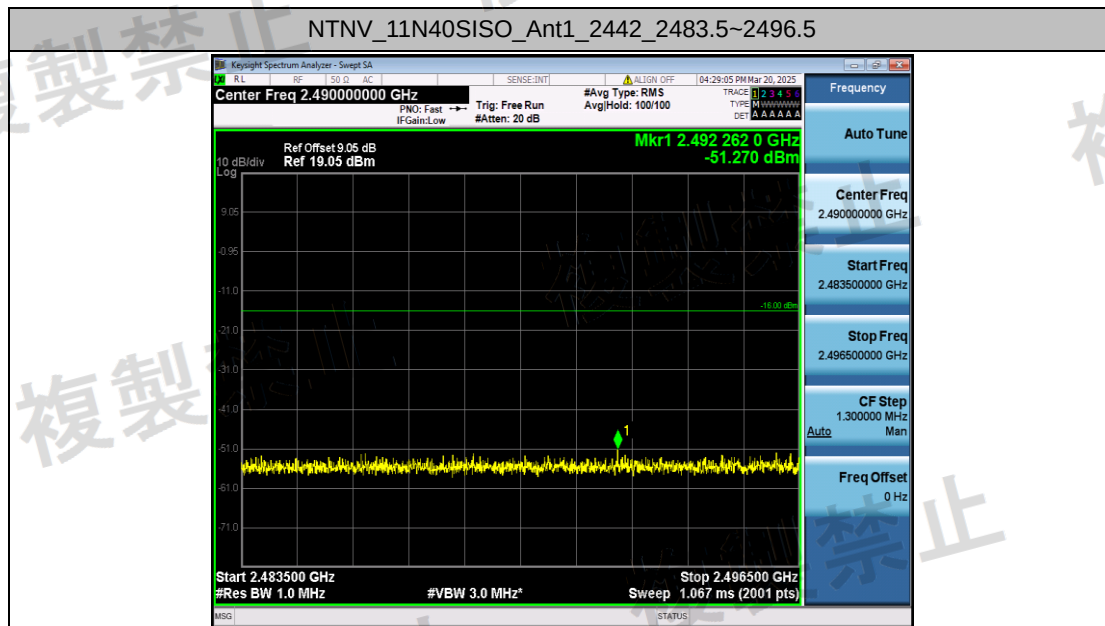


NTNV_11N40SISO_Ant1_2442_1000~2387

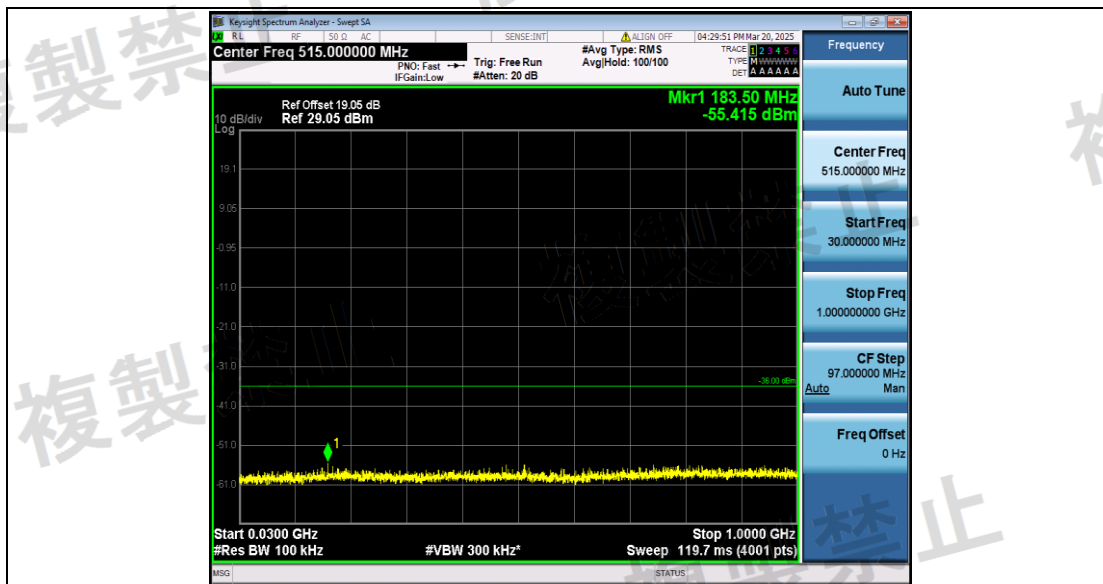


NTNV_11N40SISO_Ant1_2442_2387~2400

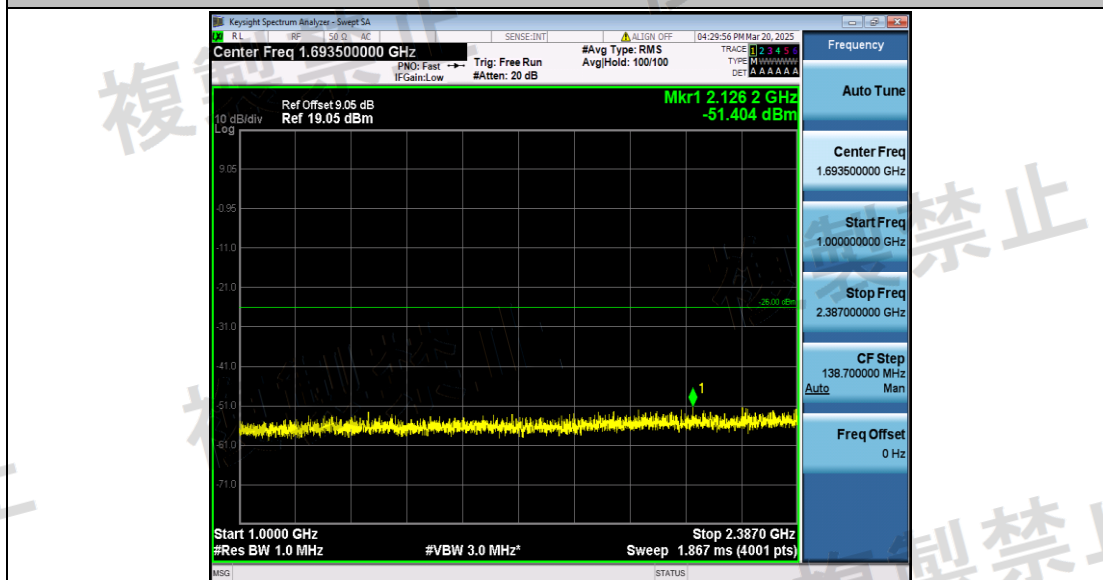




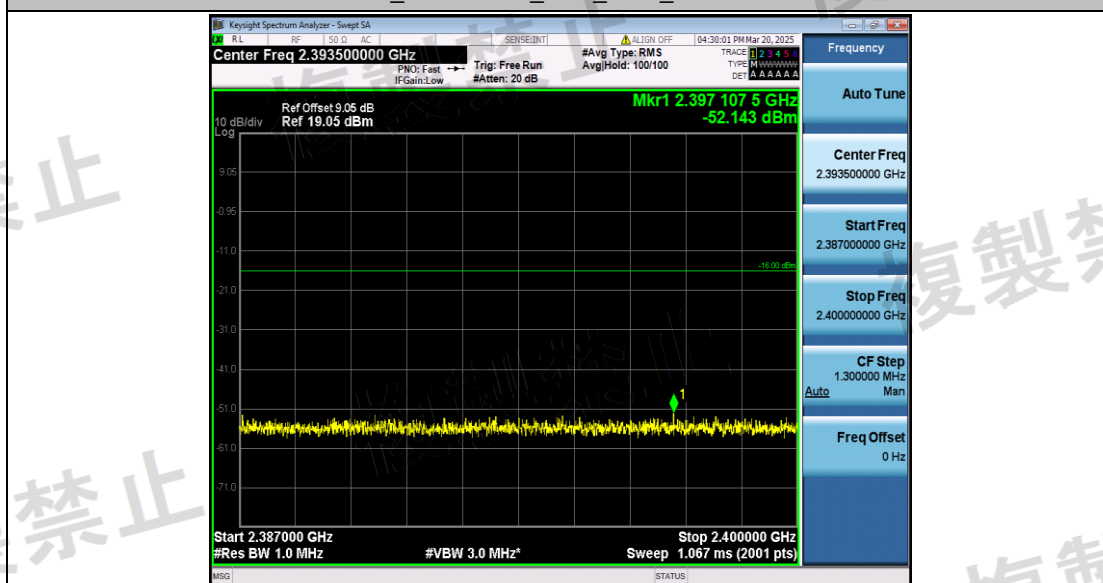
NTNV_11N40SISO_Ant1_2462_30~1000

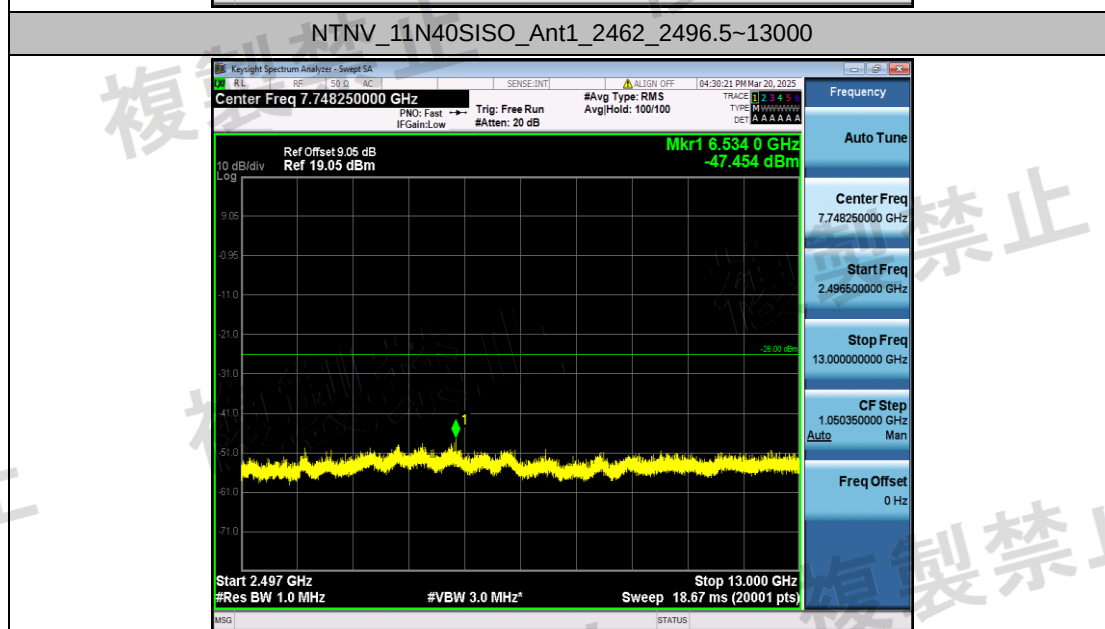
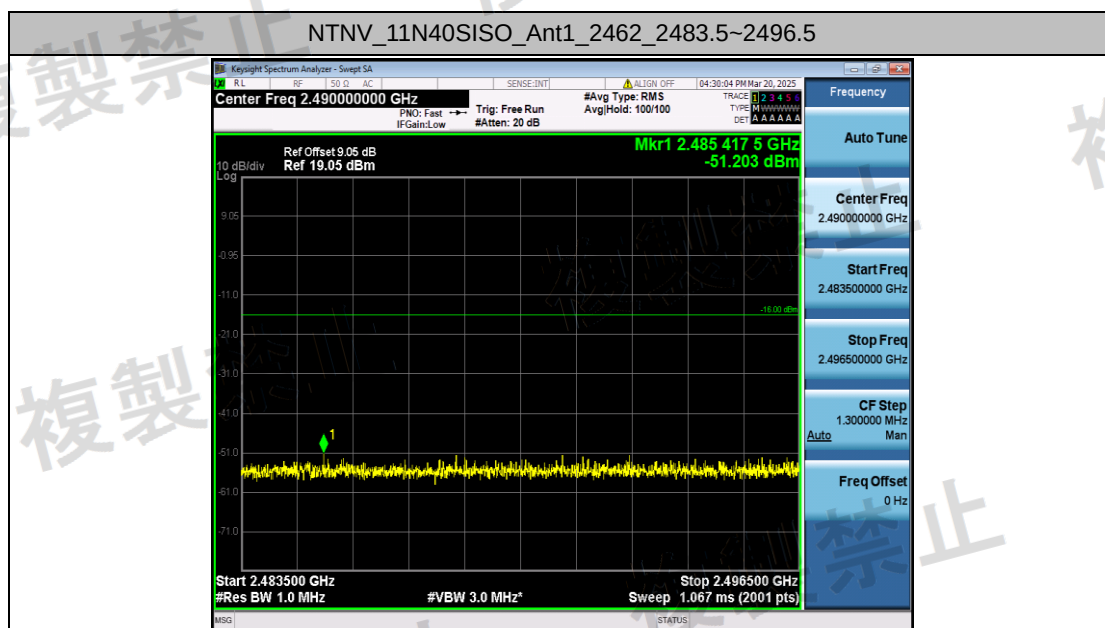


NTNV_11N40SISO_Ant1_2462_1000~2387



NTNV_11N40SISO_Ant1_2462_2387~2400



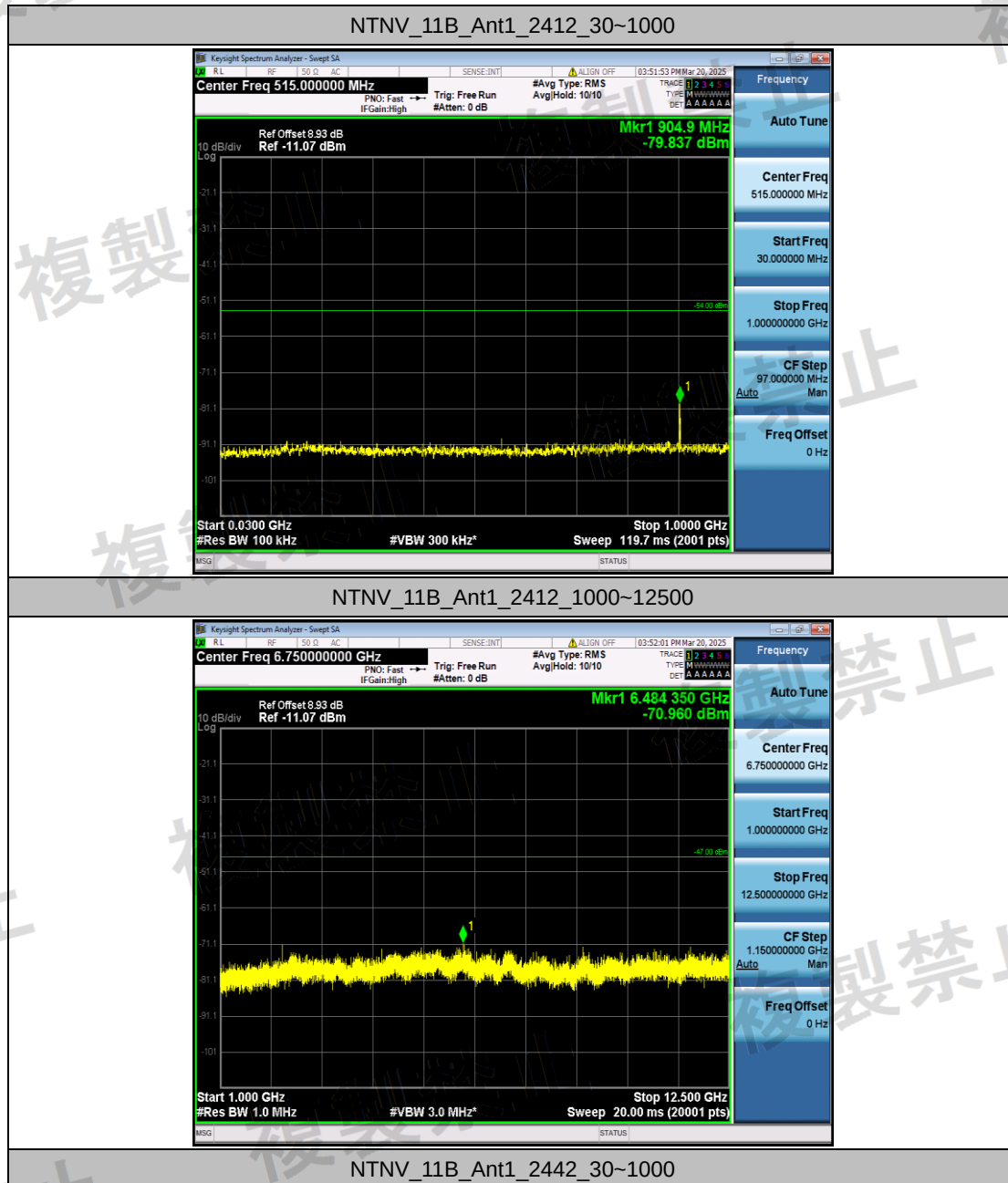


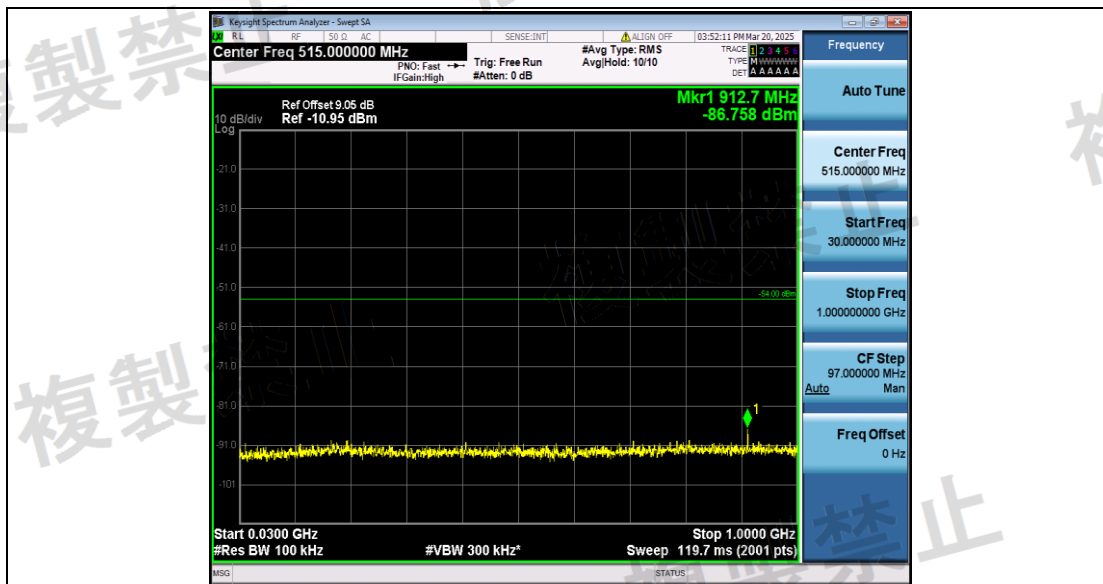
Appendix B.6: Spurious Emission of RX

Test Result

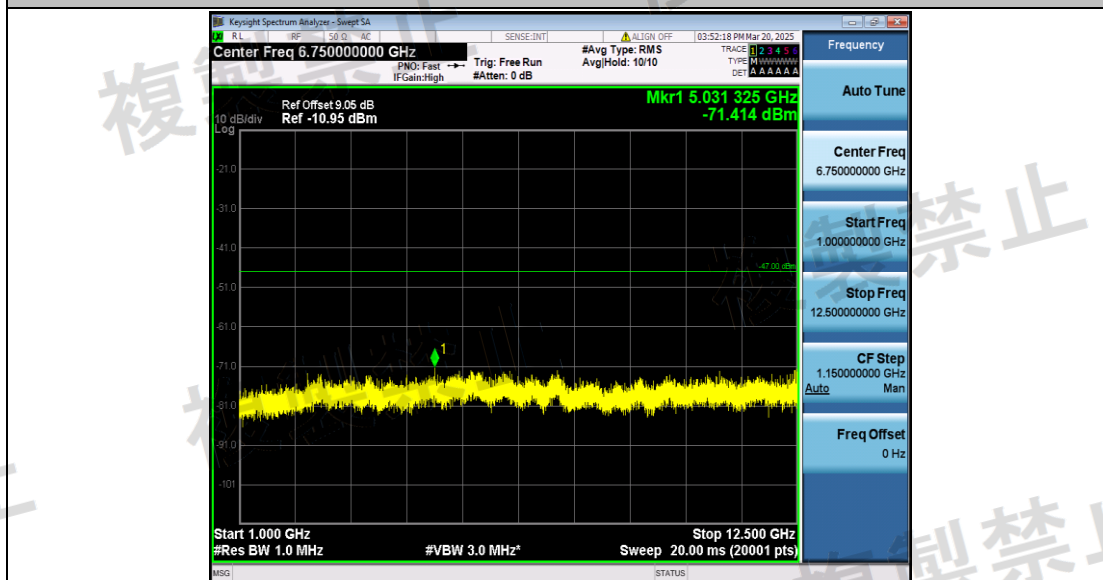
Test Condition	Test Mode	Antenna	Frequency [MHz]	Freq.Range [MHz]	Result [dBm]	Limit [dBm]	Result [nW]	Limit [nW]	Verdict
NTNV	11B	Ant1	2412	30~1000	-79.84	≤-54	0.01038	≤4	PASS
				1000~12500	-70.96	≤-47	0.08017	≤20	PASS
			2442	30~1000	-86.76	≤-54	0.00211	≤4	PASS
				1000~12500	-71.41	≤-47	0.07228	≤20	PASS
			2472	30~1000	-89.05	≤-54	0.00124	≤4	PASS
				1000~12500	-71.11	≤-47	0.07745	≤20	PASS
	11G	Ant1	2412	30~1000	-89.54	≤-54	0.00111	≤4	PASS
				1000~12500	-71.71	≤-47	0.06745	≤20	PASS
			2442	30~1000	-88.59	≤-54	0.00138	≤4	PASS
				1000~12500	-70.92	≤-47	0.08091	≤20	PASS
			2472	30~1000	-88.74	≤-54	0.00134	≤4	PASS
				1000~12500	-66.57	≤-47	0.22029	≤20	PASS
	11N20SIS O	Ant1	2412	30~1000	-87.48	≤-54	0.00179	≤4	PASS
				1000~12500	-68.85	≤-47	0.13032	≤20	PASS
			2442	30~1000	-88.68	≤-54	0.00136	≤4	PASS
				1000~12500	-70.25	≤-47	0.09441	≤20	PASS
			2472	30~1000	-89.24	≤-54	0.00119	≤4	PASS
				1000~12500	-70.32	≤-47	0.09290	≤20	PASS
	11N40SIS O	Ant1	2422	30~1000	-89.27	≤-54	0.00118	≤4	PASS
				1000~12500	-70.91	≤-47	0.08110	≤20	PASS
			2442	30~1000	-88.95	≤-54	0.00127	≤4	PASS
				1000~12500	-50.18	≤-47	9.59401	≤20	PASS
			2462	30~1000	-89.35	≤-54	0.00116	≤4	PASS
				1000~12500	-69.81	≤-47	0.10447	≤20	PASS

Test Graphs

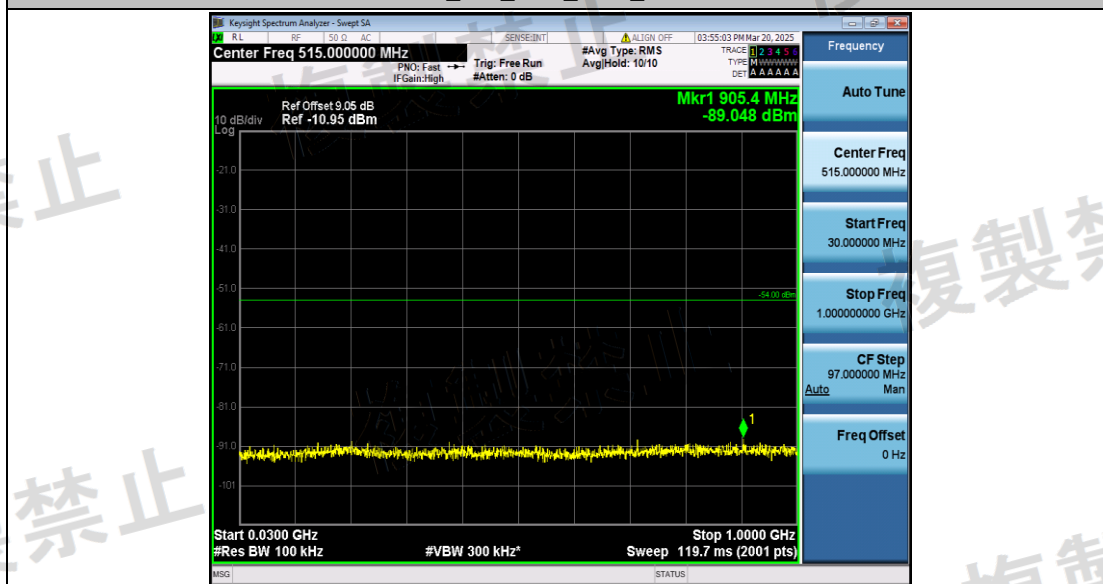


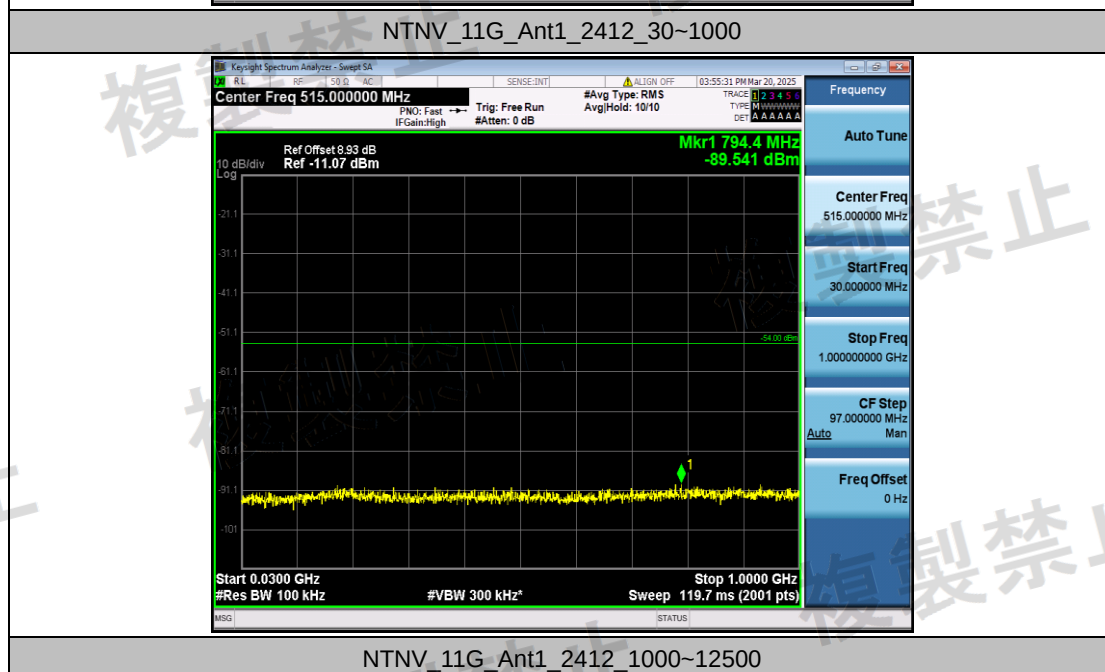
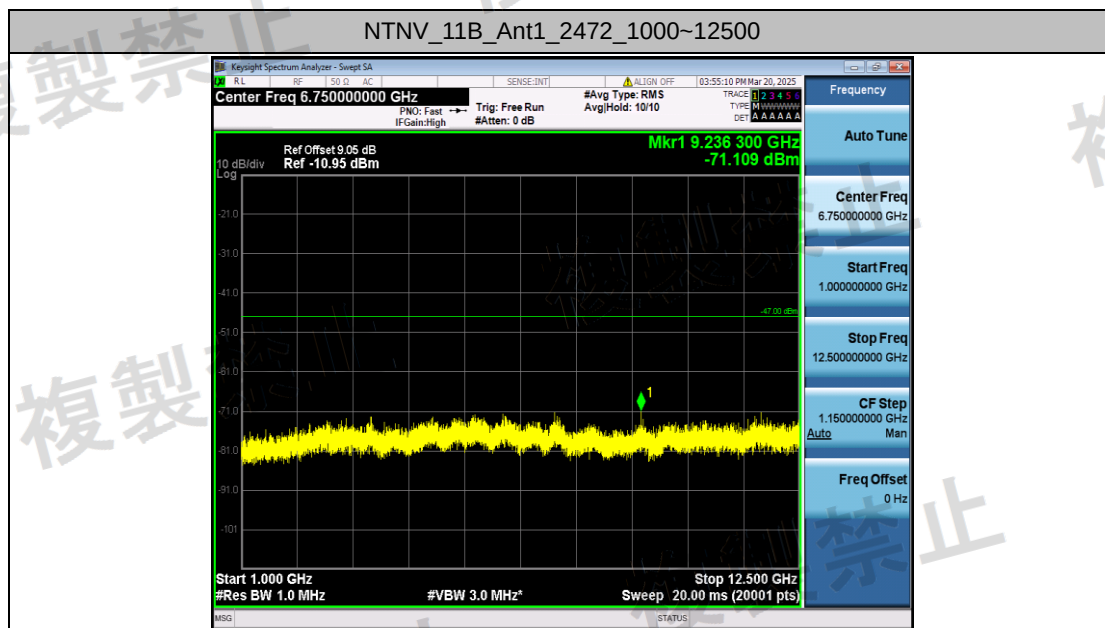


NTNV_11B_Ant1_2442_1000-12500

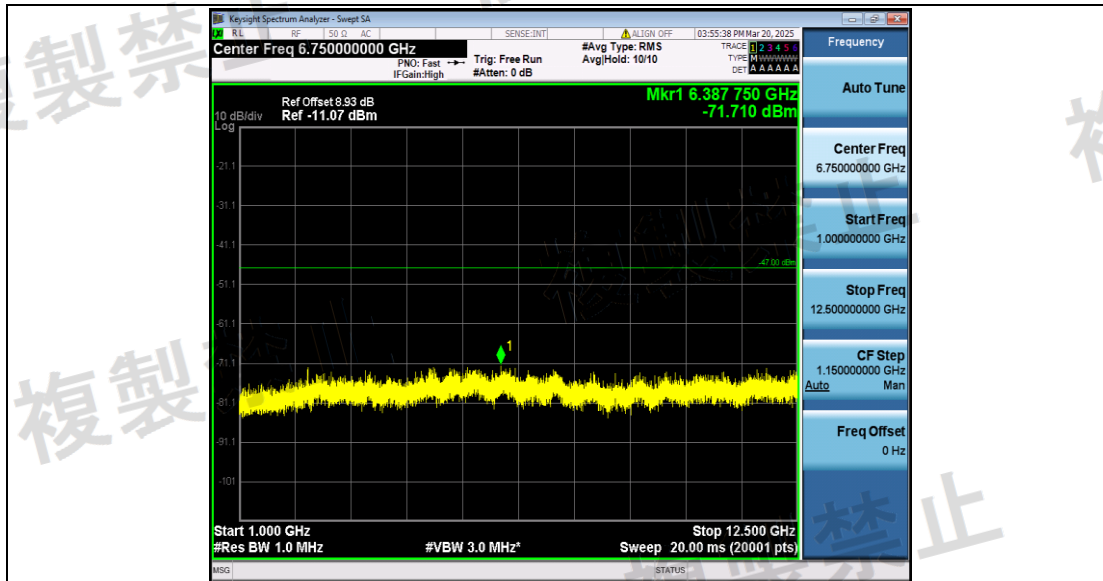


NTNV_11B_Ant1_2472_30-1000

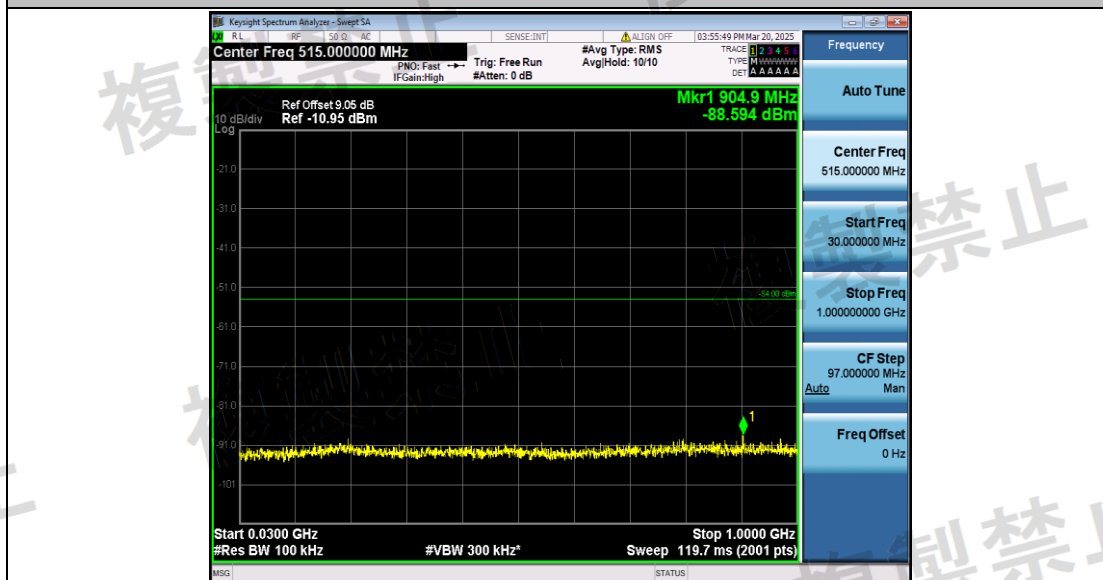




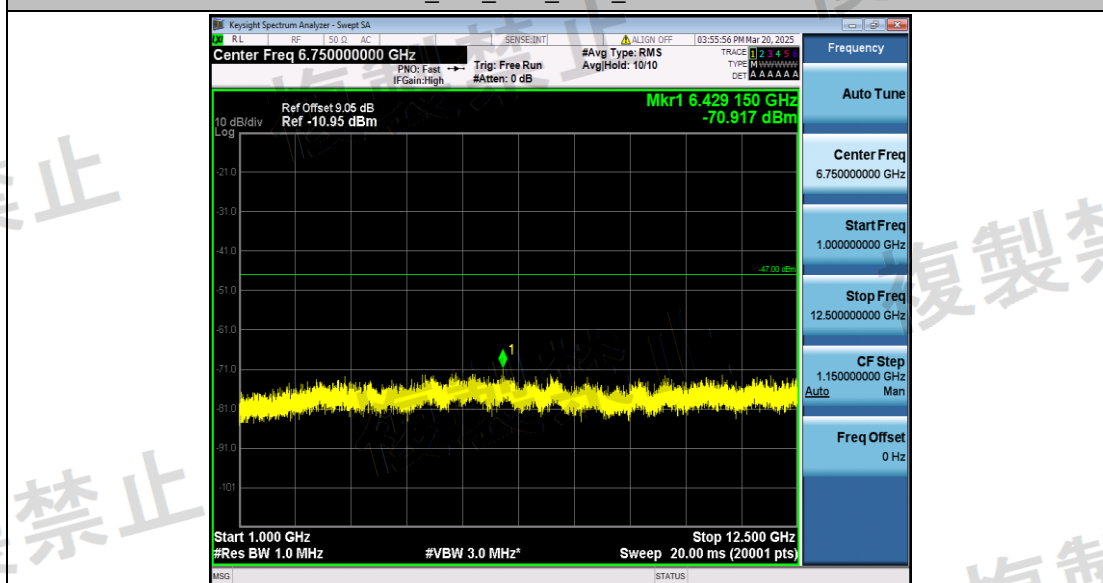
NTNV_11G_Ant1_2412_1000~12500

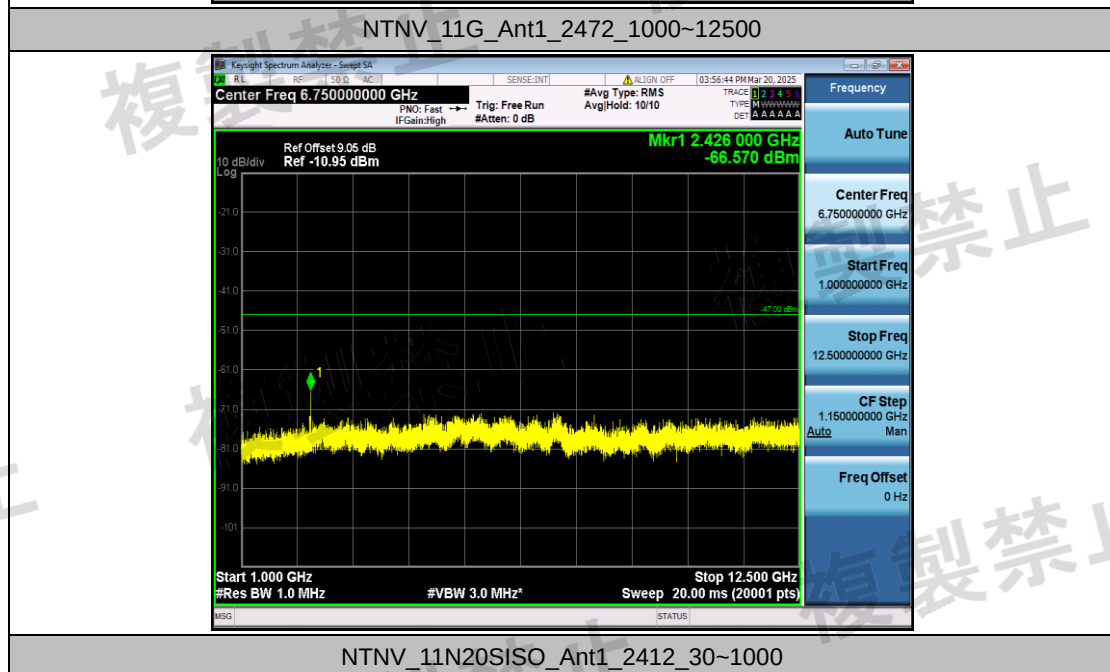
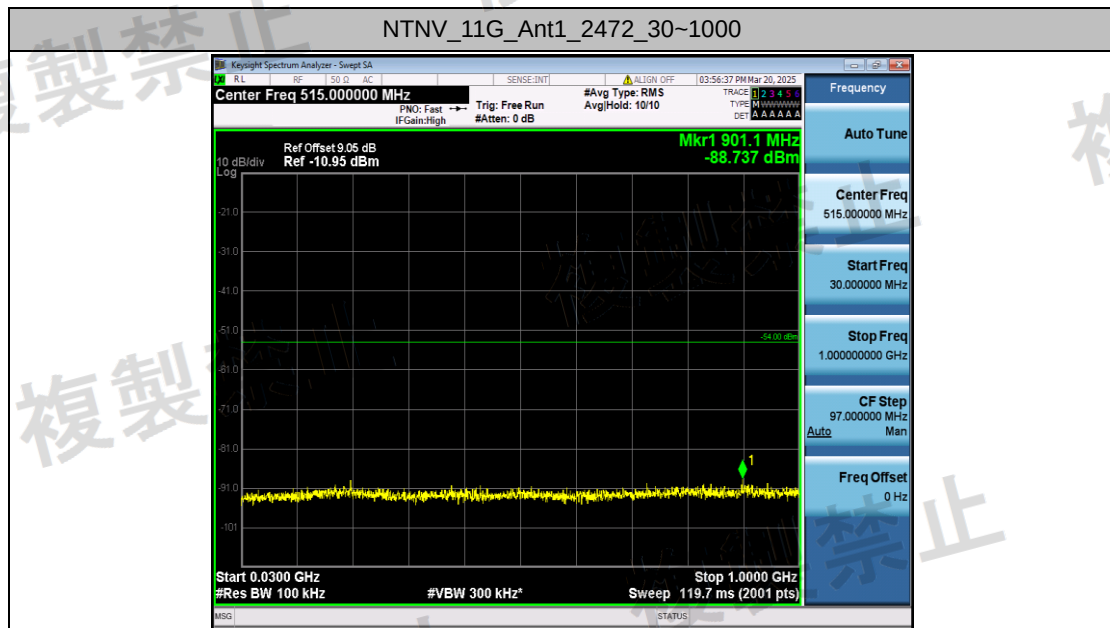


NTNV_11G_Ant1_2442_30~1000

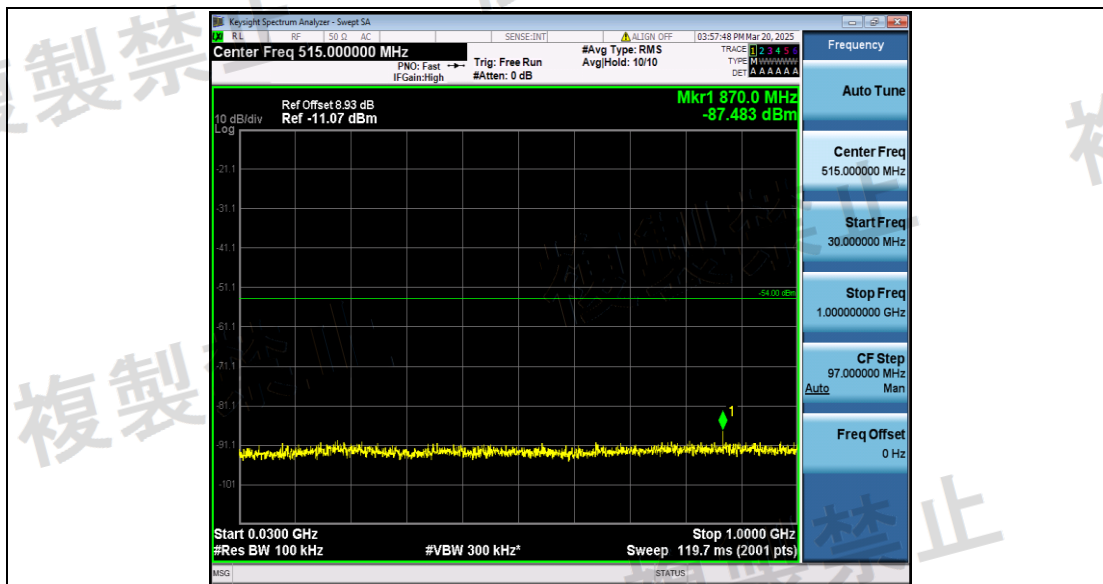


NTNV_11G_Ant1_2442_1000~12500

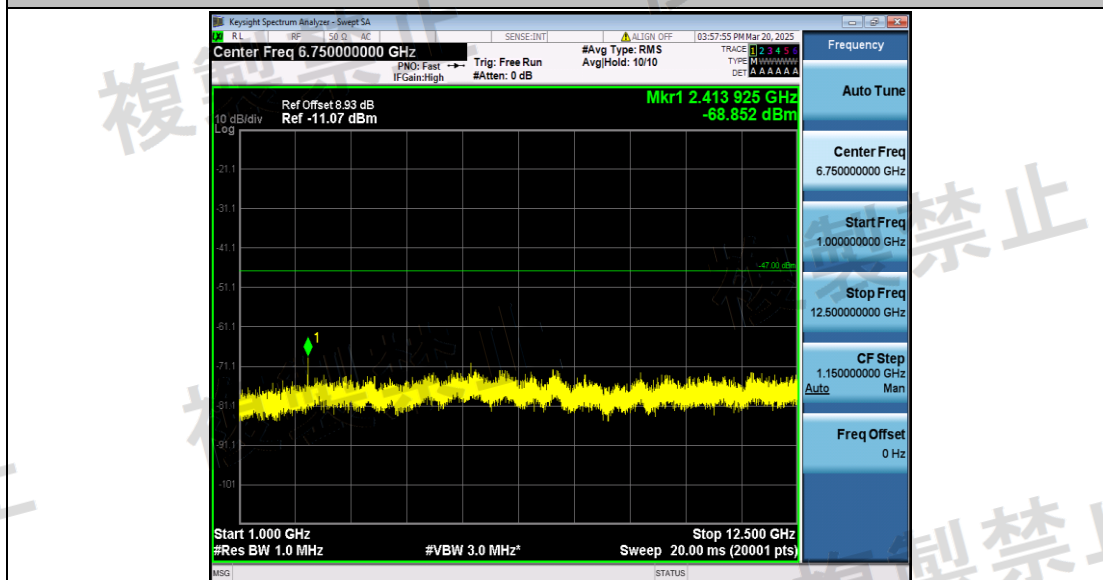




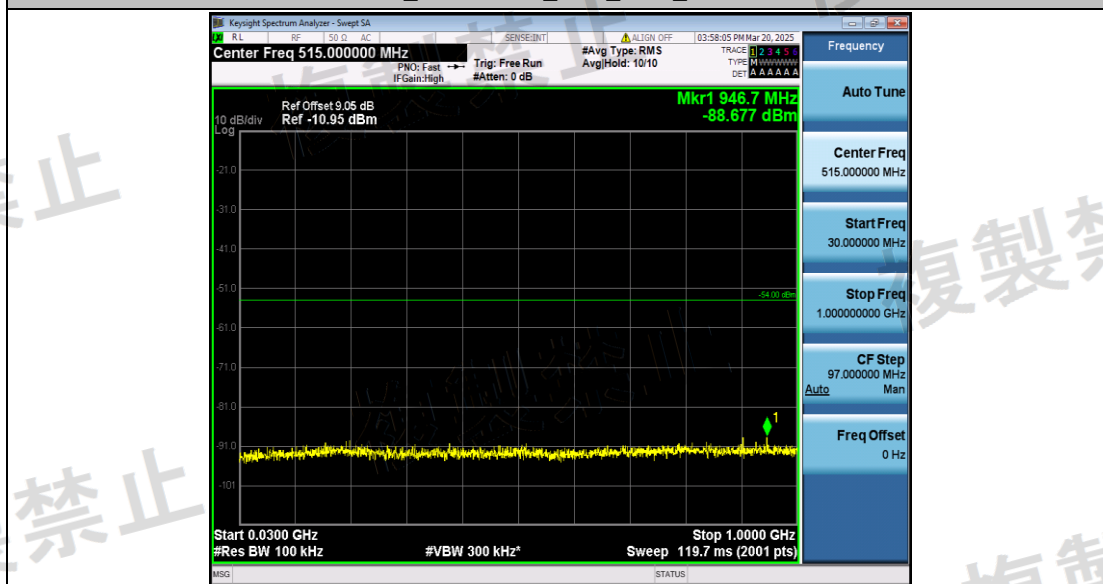
NTNV_11N20SISO_Ant1_2412_30~1000

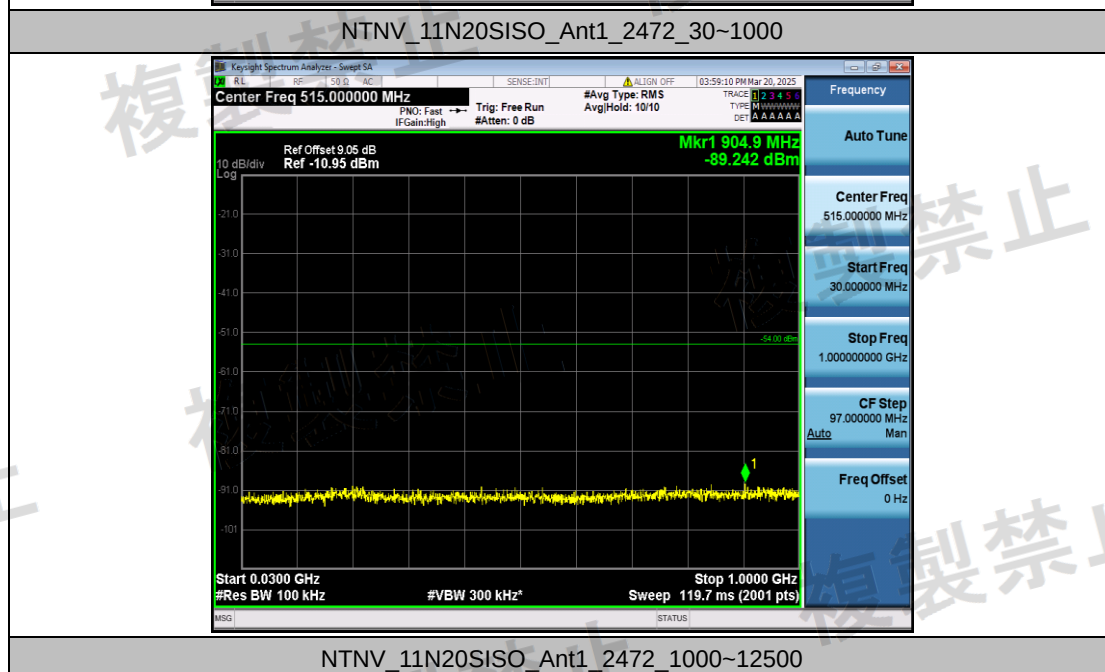
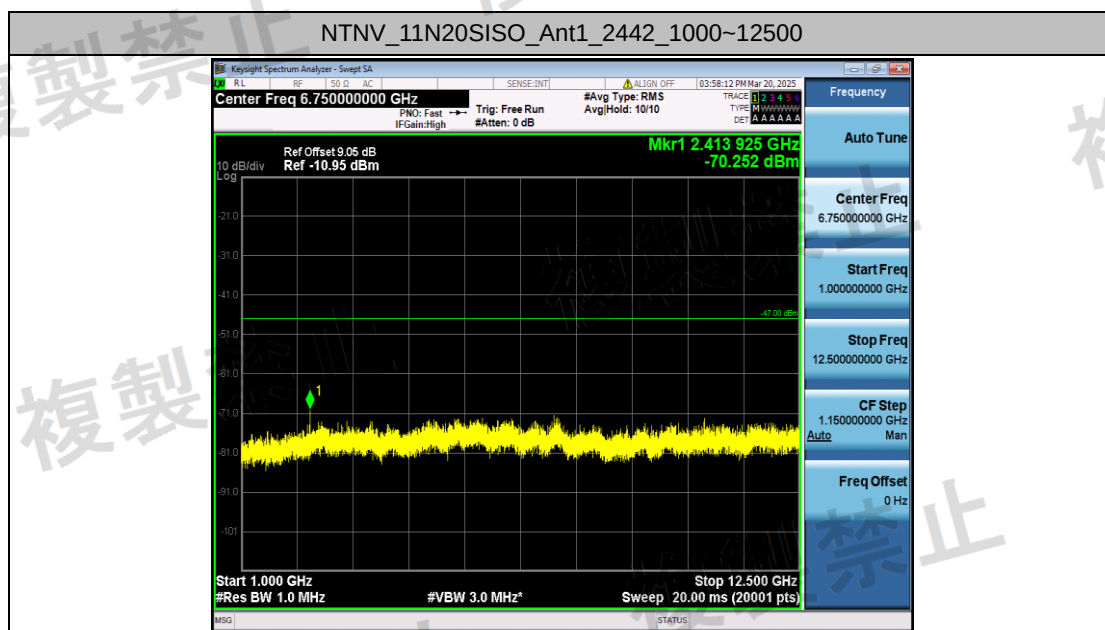


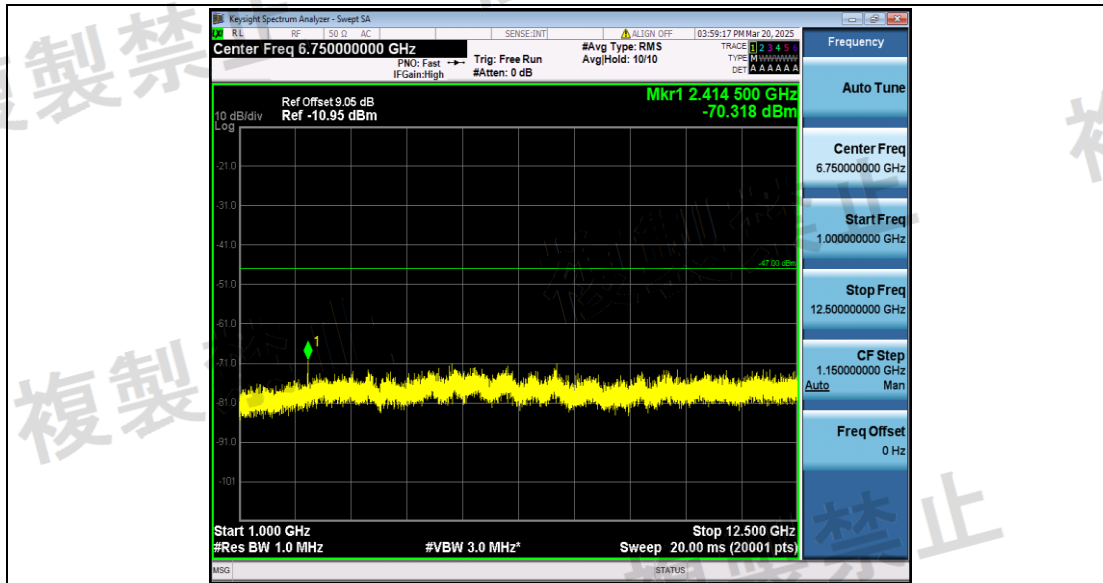
NTNV_11N20SISO_Ant1_2412_1000~12500



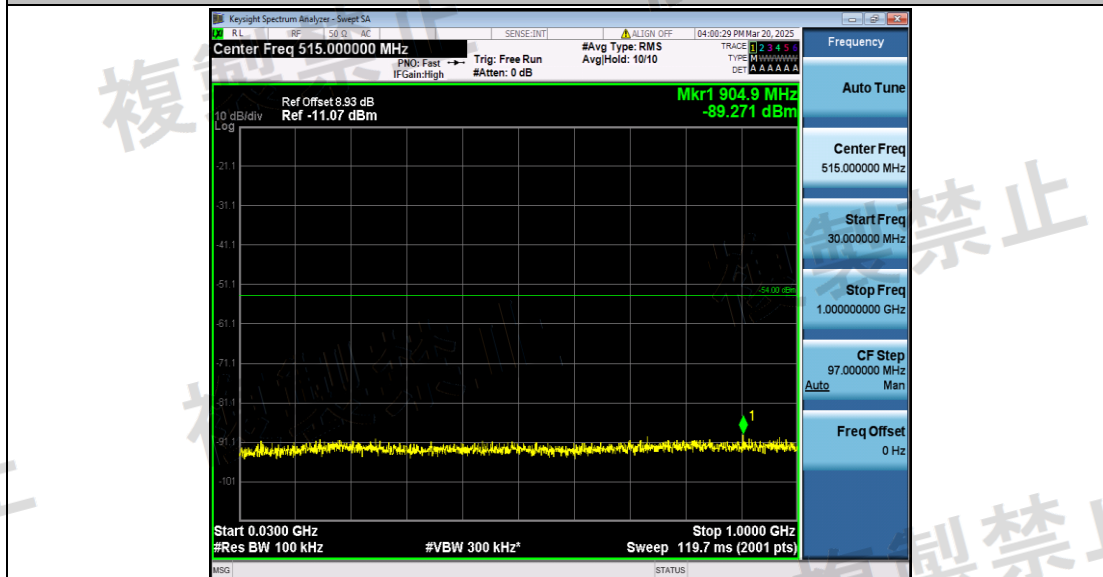
NTNV_11N20SISO_Ant1_2442_30~1000



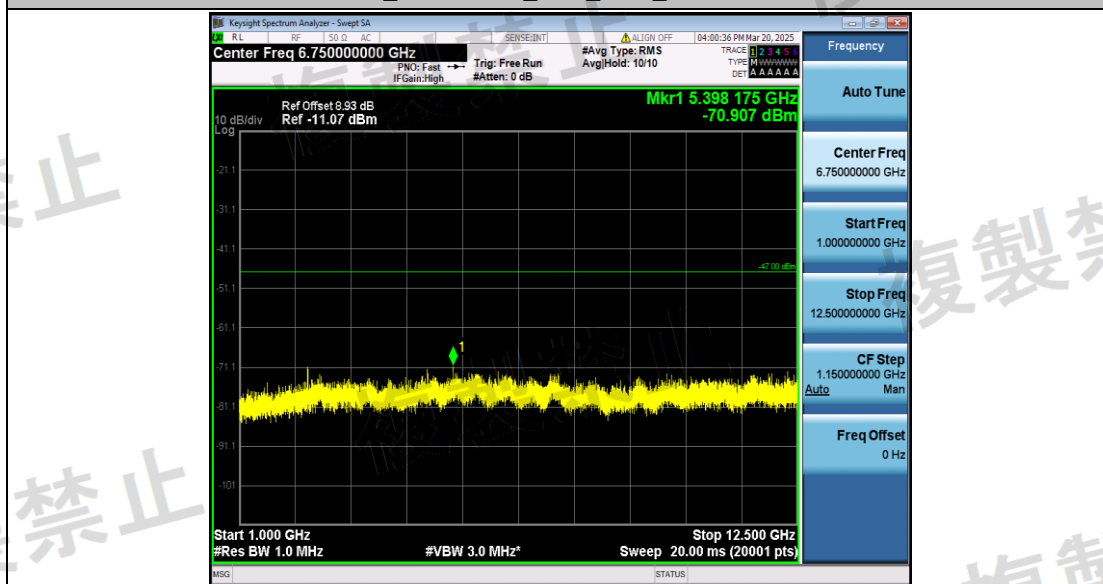


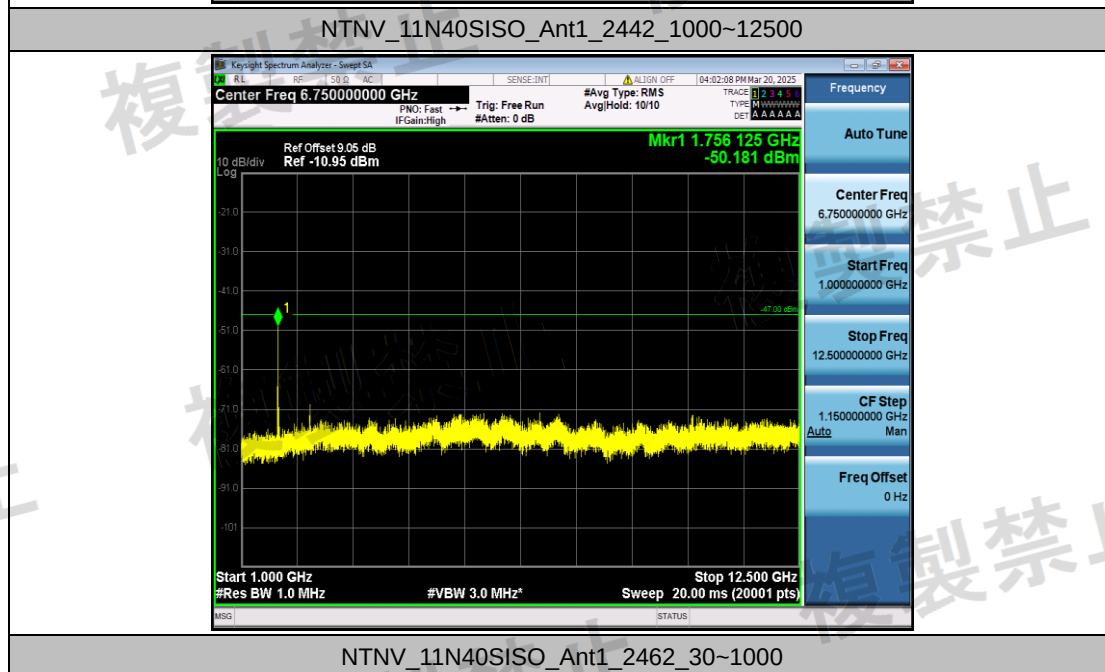
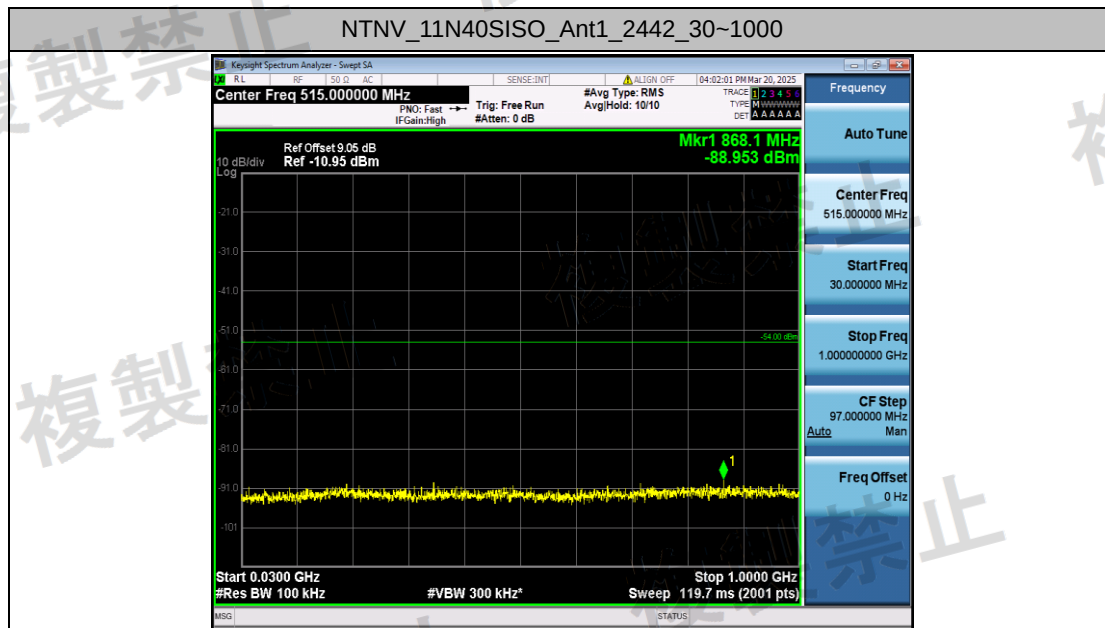


NTNV_11N40SISO_Ant1_2422_30~1000

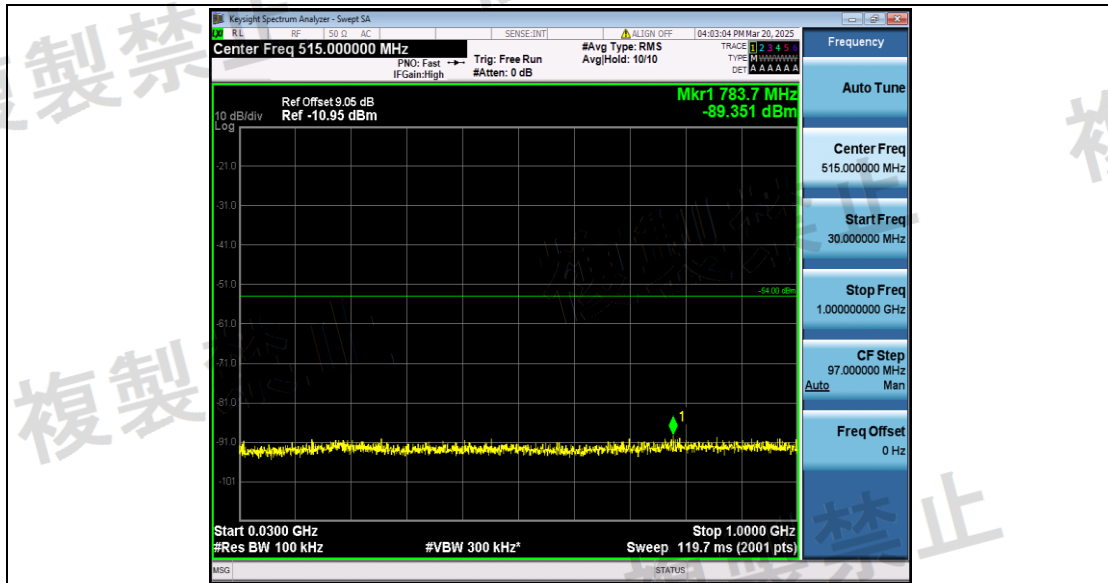


NTNV_11N40SISO_Ant1_2422_1000~12500





NTNV_11N40SISO_Ant1_2462_30~1000



NTNV_11N40SISO_Ant1_2462_1000~12500

