

Appendix A for 5.2GWIFI Test Data

Product Name: SIMAGIC Air Link

Test Model: SIMAGIC Air Link

Environmental Conditions

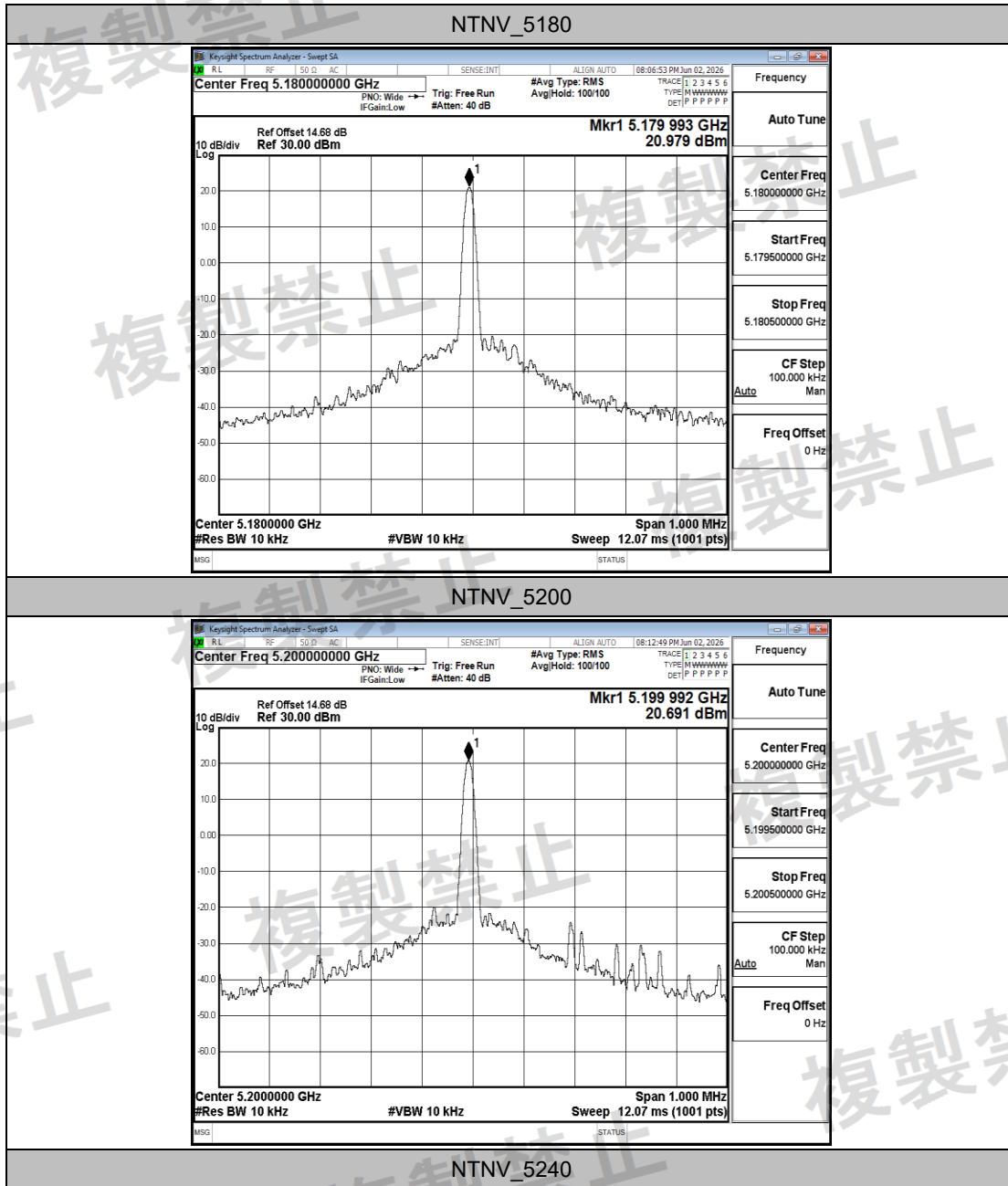
Temperature:	23.8°C
Relative Humidity:	52.7%
ATM Pressure:	100.0 kPa
Test Engineer:	Zhang Hai
Supervised by:	Fengliu Tang

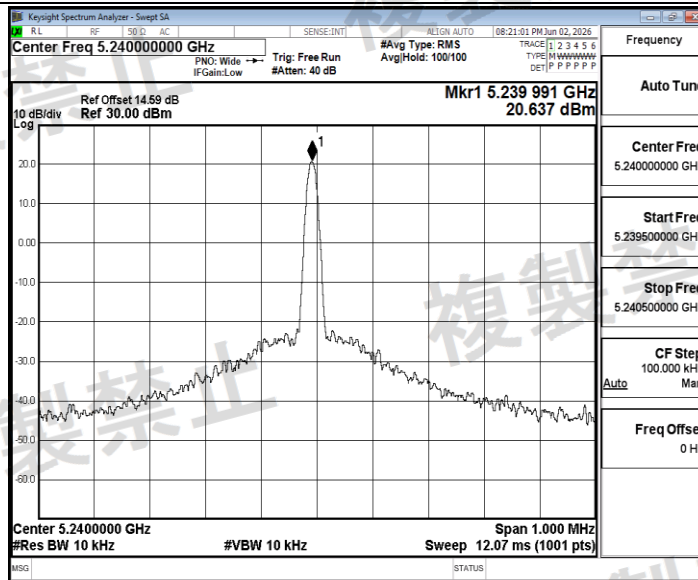
A.1 Frequency Error

Test Result

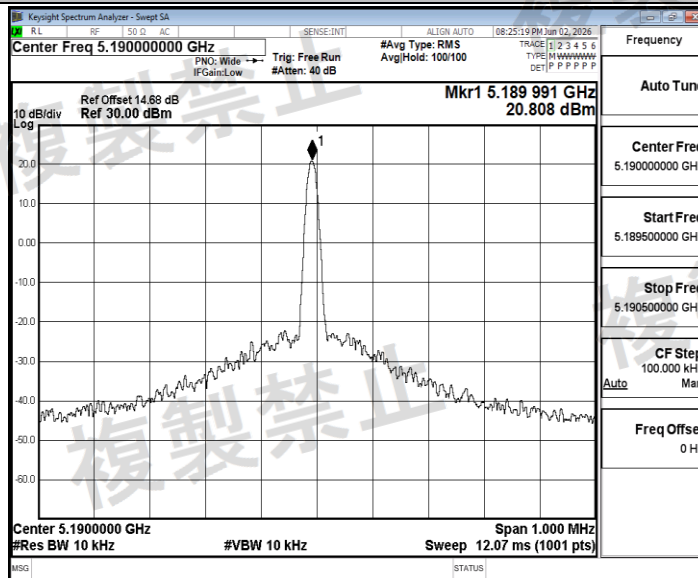
TestCondition	TestMode	Antenna	Freq (MHz)	CenterFreq [MHz]	Result [ppm]	Limit [ppm]	Verdict
NTNV	Frequency Error	Ant1	5180	5179.993	-1.35135	±20	PASS
			5200	5199.992	-1.53846	±20	PASS
			5240	5239.991	-1.71756	±20	PASS
		Ant1	5190	5189.991	-1.73410	±20	PASS
			5230	5229.991	-1.72084	±20	PASS

Test Graphs

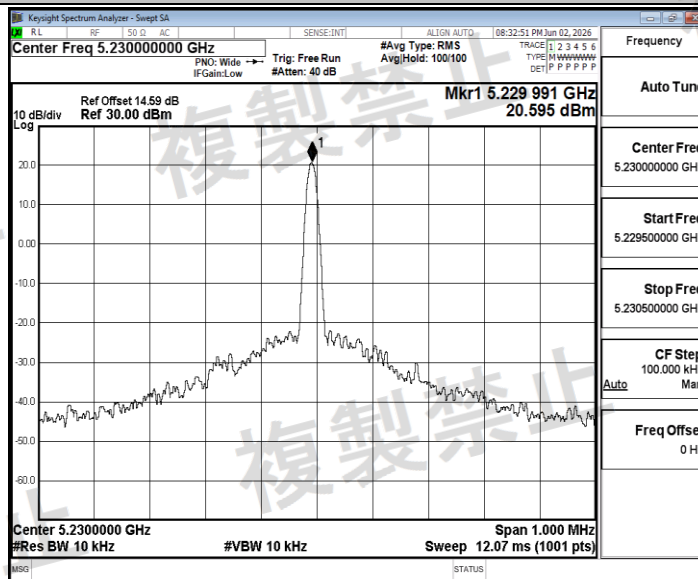




NTNV_Ant1_5190



NTNV_Ant1_5230



A.2 Antenna Power & EIRP

Test Result

Antenna Power							
Test Condition	Test Mode	Antenna	Frequency [MHz]	Result (dBm/MHz)	Result(mW/MHz)	Limit(mW/MHz)	Verdict
NTNV	11A	Ant1	5180	4.03	2.5293	≤10	PASS
			5200	4.11	2.5763	≤10	PASS
			5240	4.06	2.5468	≤10	PASS
	11N20SISO	Ant1	5180	4.04	2.5351	≤10	PASS
			5200	4.15	2.6002	≤10	PASS
			5240	4.21	2.6363	≤10	PASS
	11N40SISO	Ant1	5190	0.26	1.0617	≤5	PASS
			5230	0.22	1.0520	≤5	PASS
	11AC20SISO	Ant1	5180	3.99	2.5061	≤10	PASS
			5200	4.08	2.5586	≤10	PASS
			5240	4.16	2.6062	≤10	PASS
	11AC40SISO	Ant1	5190	0.04	1.0093	≤5	PASS
			5230	0.23	1.0544	≤5	PASS
	11AX20SISO	Ant1	5180	4.12	2.5823	≤10	PASS
			5200	4.20	2.6303	≤10	PASS
			5240	4.11	2.5763	≤10	PASS
	11AX40SISO	Ant1	5190	0.11	1.0257	≤5	PASS
			5230	0.05	1.0116	≤5	PASS

Tolerance								
Test Condition	Test Mode	Antenna	Frequency [MHz]	Power (mW/MHz)	Rated Power (mW/MHz)	Result (%)	Limit (%)	Verdict
NTNV	11A	Ant1	5180	2.5293	2.5	1.17	-80 to +20	PASS
			5200	2.5763	2.5	3.05	-80 to +20	PASS
			5240	2.5468	2.5	1.87	-80 to +20	PASS
	11N20SISO	Ant1	5180	2.5351	2.5	1.40	-80 to +20	PASS
			5200	2.6002	2.5	4.01	-80 to +20	PASS
			5240	2.6363	2.5	5.45	-80 to +20	PASS
	11N40SISO	Ant1	5190	1.0617	1	6.17	-80 to +20	PASS
			5230	1.0520	1	5.20	-80 to +20	PASS
	11AC20SISO	Ant1	5180	2.5061	2.5	0.24	-80 to +20	PASS
			5200	2.5586	2.5	2.34	-80 to +20	PASS
			5240	2.6062	2.5	4.25	-80 to +20	PASS
	11AC40SISO	Ant1	5190	1.0093	1	0.93	-80 to +20	PASS
			5230	1.0544	1	5.44	-80 to +20	PASS
	11AX20SISO	Ant1	5180	2.5823	2.5	3.29	-80 to +20	PASS
			5200	2.6303	2.5	5.21	-80 to +20	PASS
			5240	2.5763	2.5	3.05	-80 to +20	PASS
	11AX40SISO	Ant1	5190	1.0257	1	2.57	-80 to +20	PASS
			5230	1.0116	1	1.16	-80 to +20	PASS

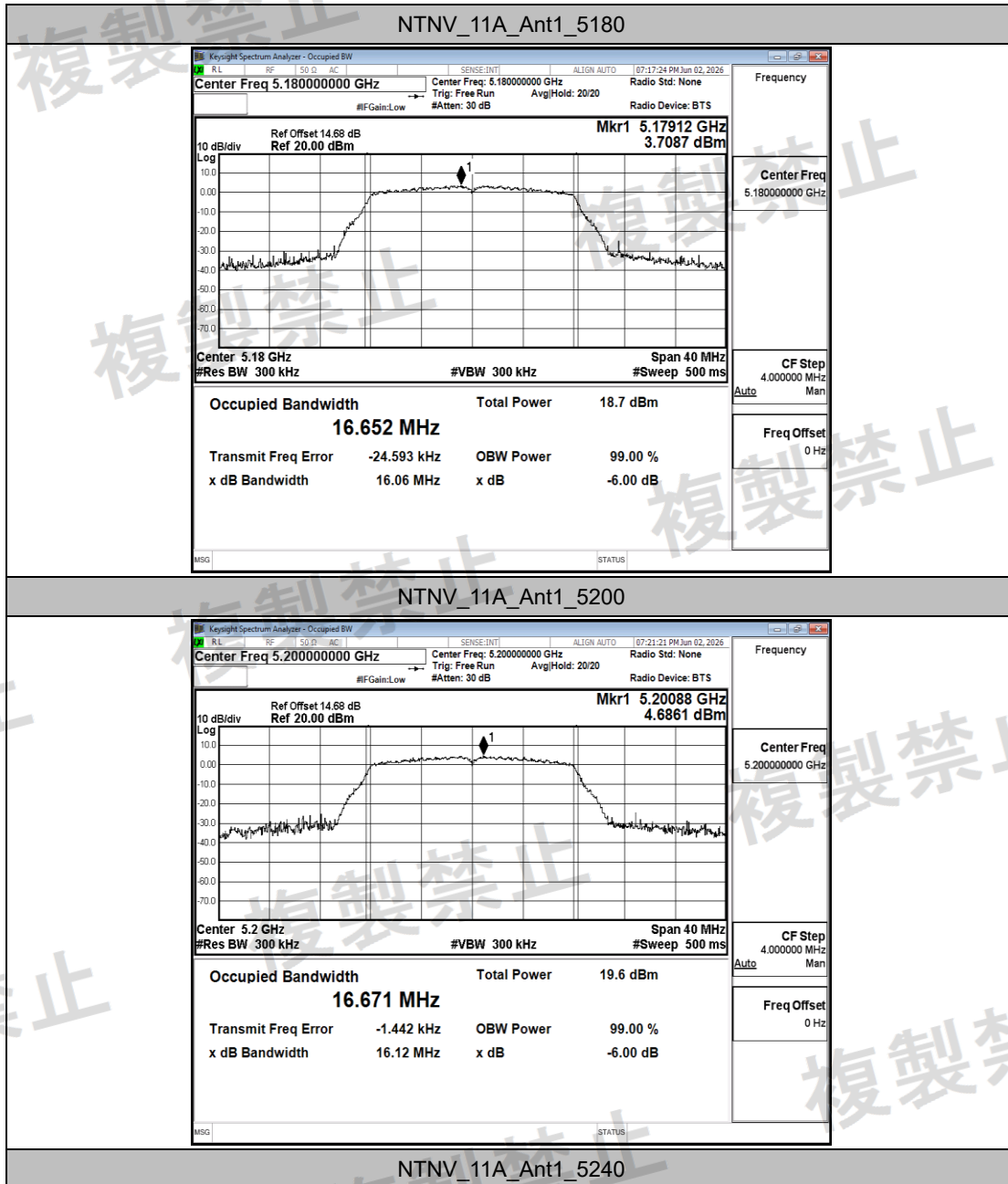
EIRP								
TestCondition	TestMode	Antenna	Frequency [MHz]	Measured Power(dBm/MHz)	Antenna Gain(dBi)	EIRP (mW/MHz)	Limit (mW/MHz)	Verdict
NTNV	11A	Ant1	5180	4.03	4.37	6.9183	≤10	PASS
			5200	4.11	4.37	7.0469	≤10	PASS
			5240	4.06	4.37	6.9663	≤10	PASS
	11N20SISO	Ant1	5180	4.04	4.37	6.9343	≤10	PASS
			5200	4.15	4.37	7.1121	≤10	PASS
			5240	4.21	4.37	7.2111	≤10	PASS
	11N40SISO	Ant1	5190	0.26	4.37	2.9040	≤5	PASS
			5230	0.22	4.37	2.8774	≤5	PASS
	11AC20SISO	Ant1	5180	3.99	4.37	6.8549	≤10	PASS
			5200	4.08	4.37	6.9984	≤10	PASS
			5240	4.16	4.37	7.1285	≤10	PASS
	11AC40SISO	Ant1	5190	0.04	4.37	2.7606	≤5	PASS
			5230	0.23	4.37	2.8840	≤5	PASS
	11AX20SISO	Ant1	5180	4.12	4.37	7.0632	≤10	PASS
			5200	4.20	4.37	7.1945	≤10	PASS
			5240	4.11	4.37	7.0469	≤10	PASS
	11AX40SISO	Ant1	5190	0.11	4.37	2.8054	≤5	PASS
			5230	0.05	4.37	2.7669	≤5	PASS

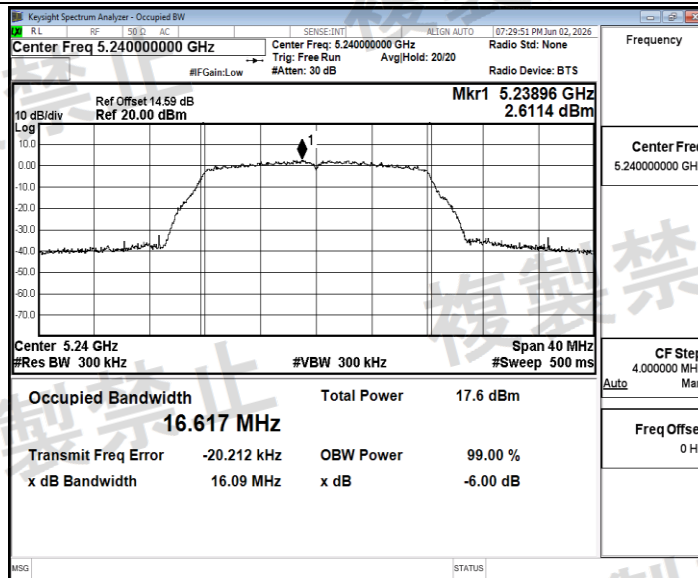
A.3 Occupied Bandwidth

Test Result

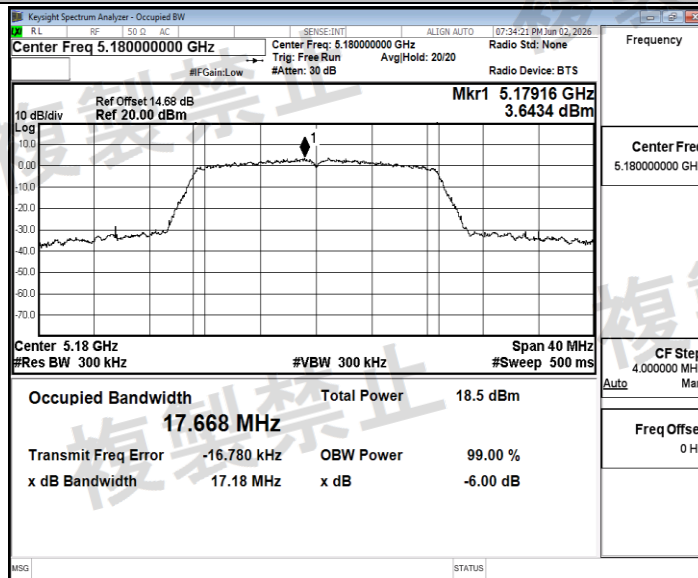
TestCondition	TestMode	Antenna	Freq (MHz)	Result [MHz]	Limit [MHz]	Verdict
NTNV	11A	Ant1	5180	16.652	≤20	PASS
			5200	16.671	≤20	PASS
			5240	16.617	≤20	PASS
	11N20SISO	Ant1	5180	17.668	≤20	PASS
			5200	17.675	≤20	PASS
			5240	17.652	≤20	PASS
	11N40SISO	Ant1	5190	35.905	≤40	PASS
			5230	35.924	≤40	PASS
	11AC20SISO	Ant1	5180	17.692	≤20	PASS
			5200	17.677	≤20	PASS
			5240	17.649	≤20	PASS
	11AC40SISO	Ant1	5190	35.966	≤40	PASS
			5230	35.960	≤40	PASS
	11AX20SISO	Ant1	5180	17.706	≤20	PASS
			5200	17.685	≤20	PASS
			5240	17.668	≤20	PASS
	11AX40SISO	Ant1	5190	35.957	≤40	PASS
			5230	35.961	≤40	PASS

Test Graphs

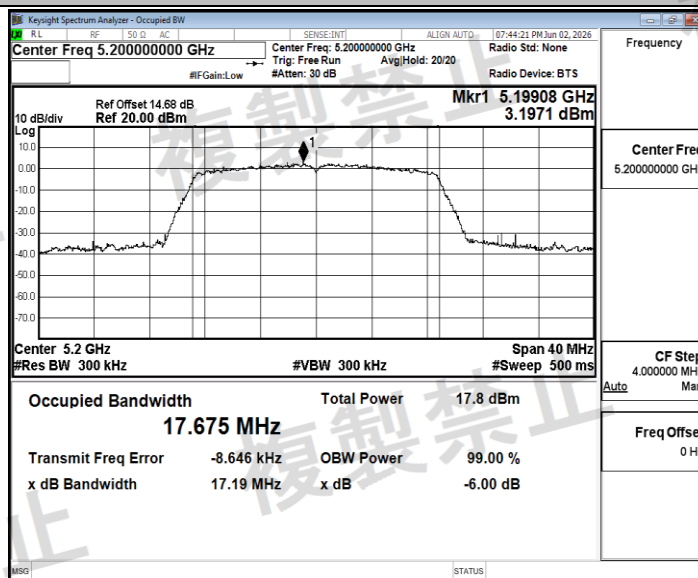




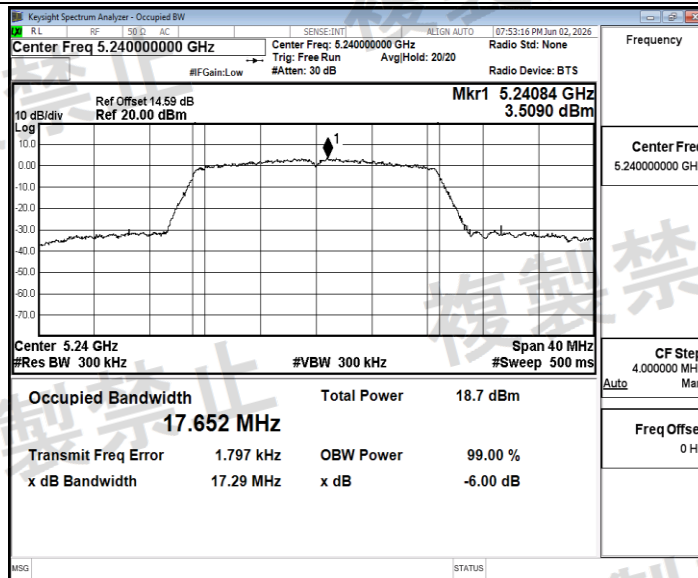
NTNV_11N20SISO_Ant1_5180



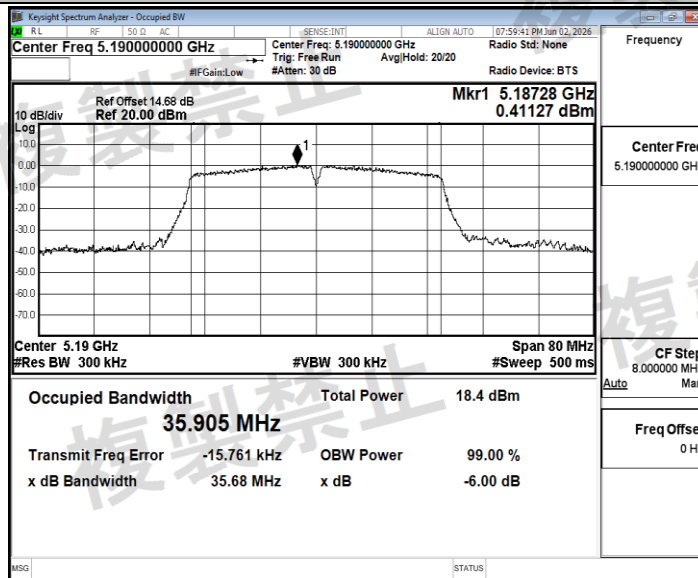
NTNV_11N20SISO_Ant1_5200



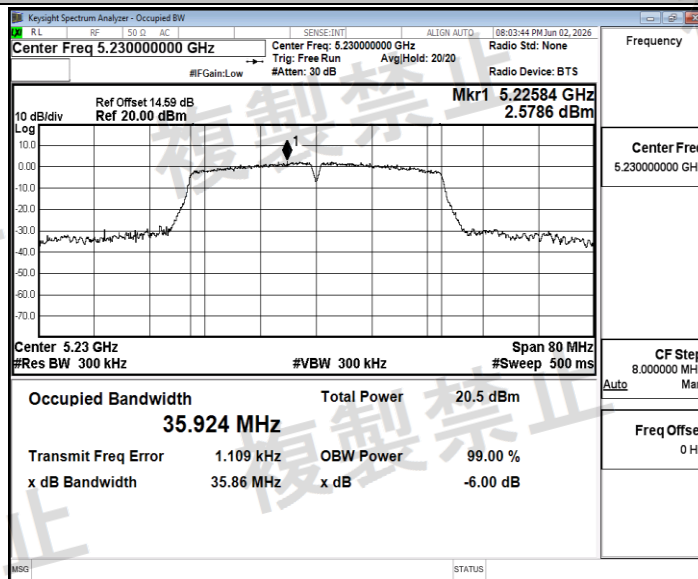
NTNV_11N20SISO_Ant1_5240



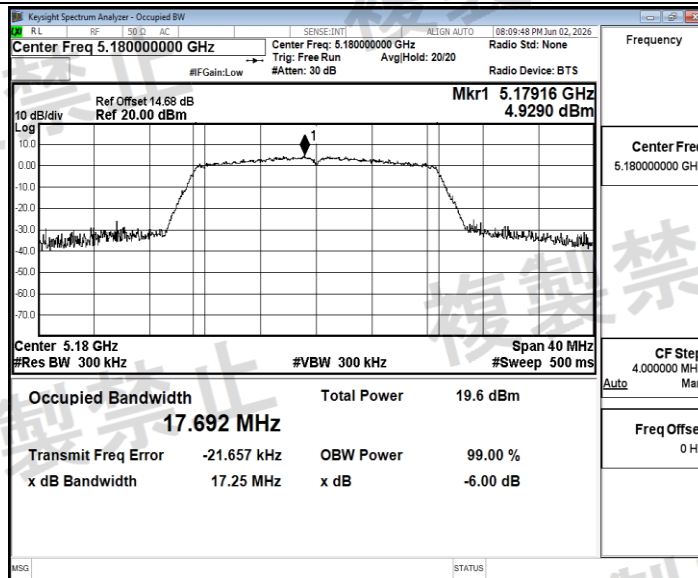
NTNV_11N40SISO_Ant1_5190



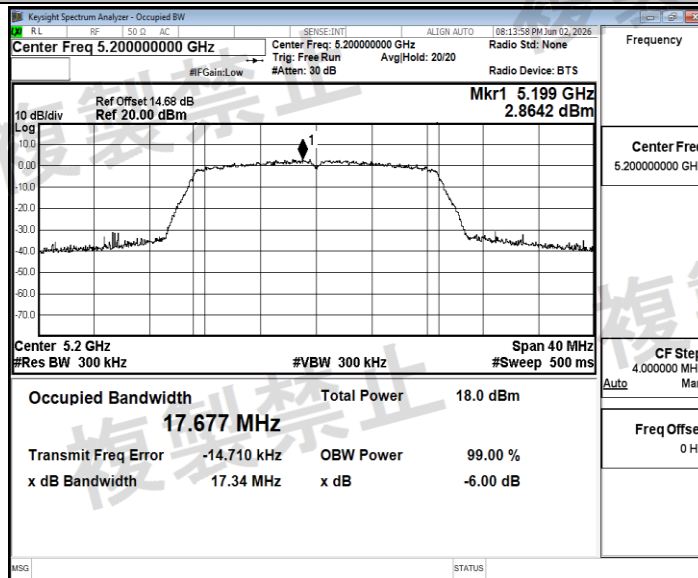
NTNV_11N40SISO_Ant1_5230



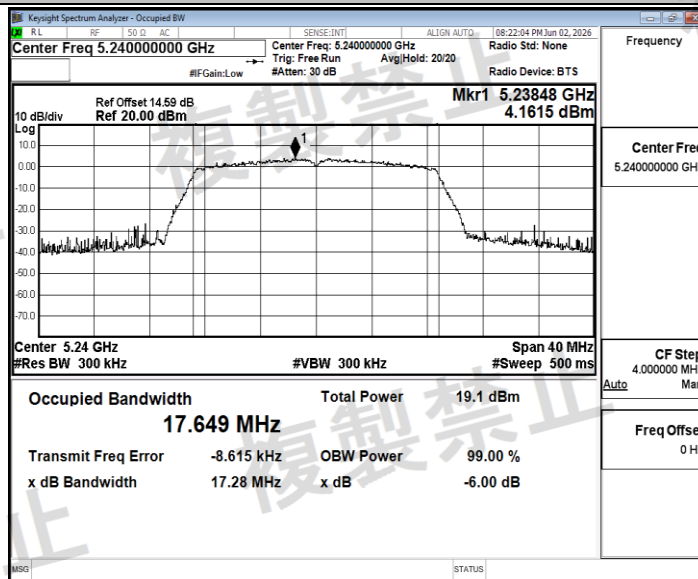
NTNV_11AC20SISO_Ant1_5180



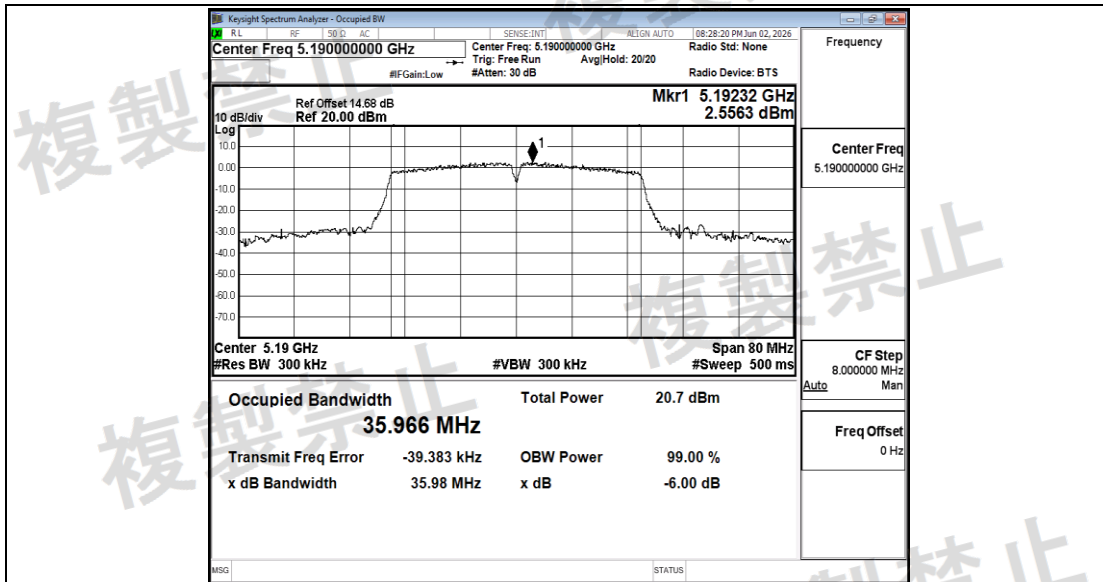
NTNV_11AC20SISO_Ant1_5200



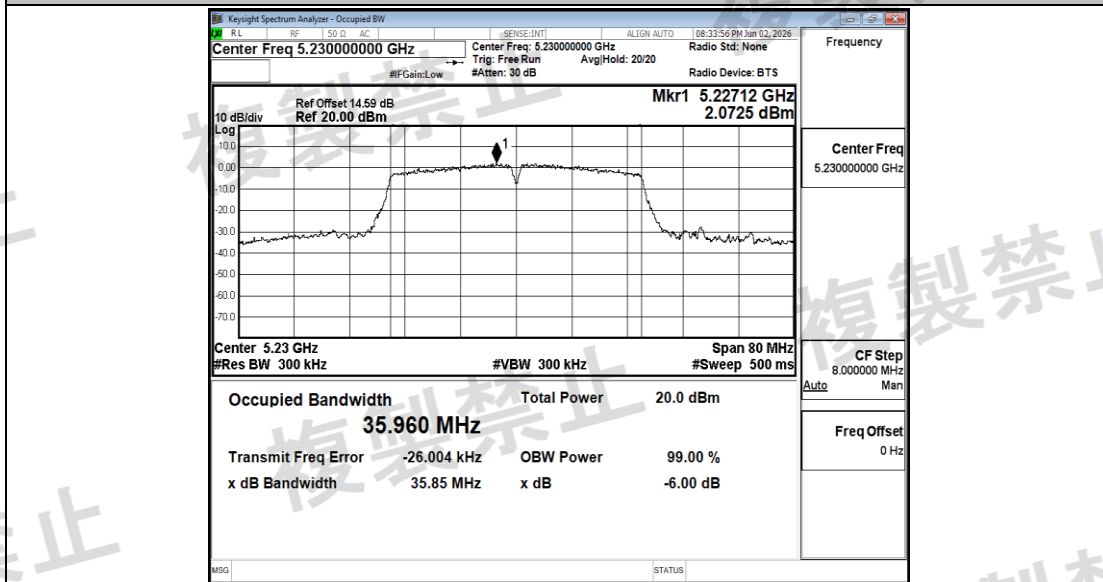
NTNV_11AC20SISO_Ant1_5240



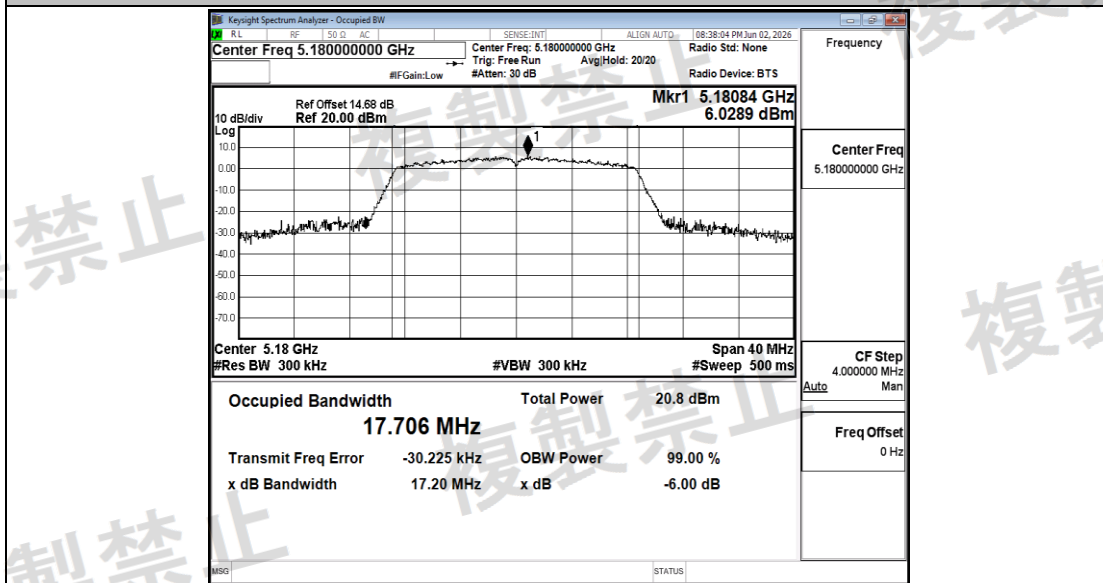
NTNV_11AC40SISO_Ant1_5190



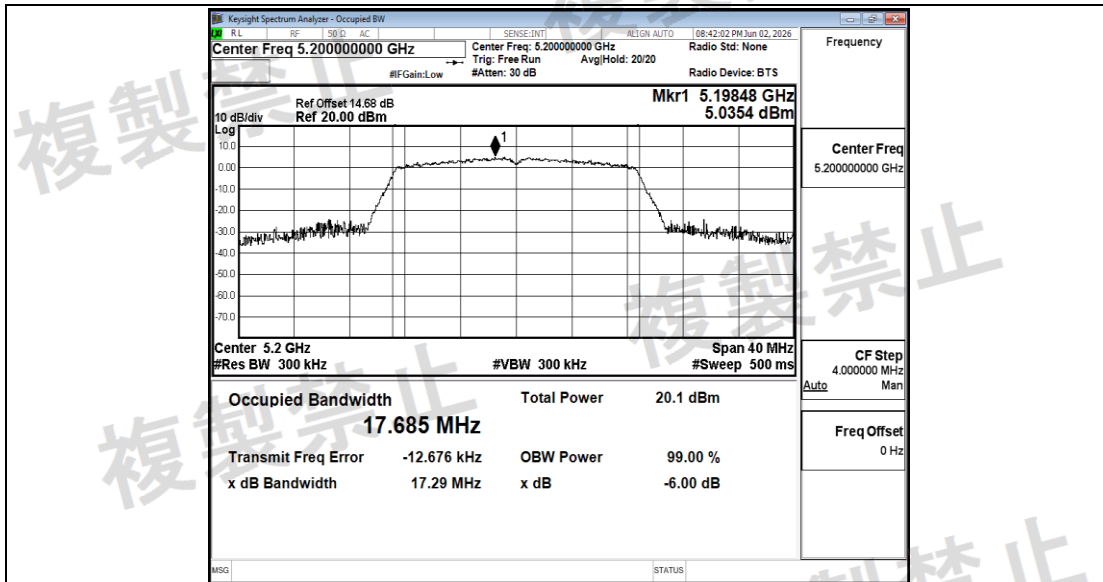
NTNV_11AC40SISO_Ant1_5230



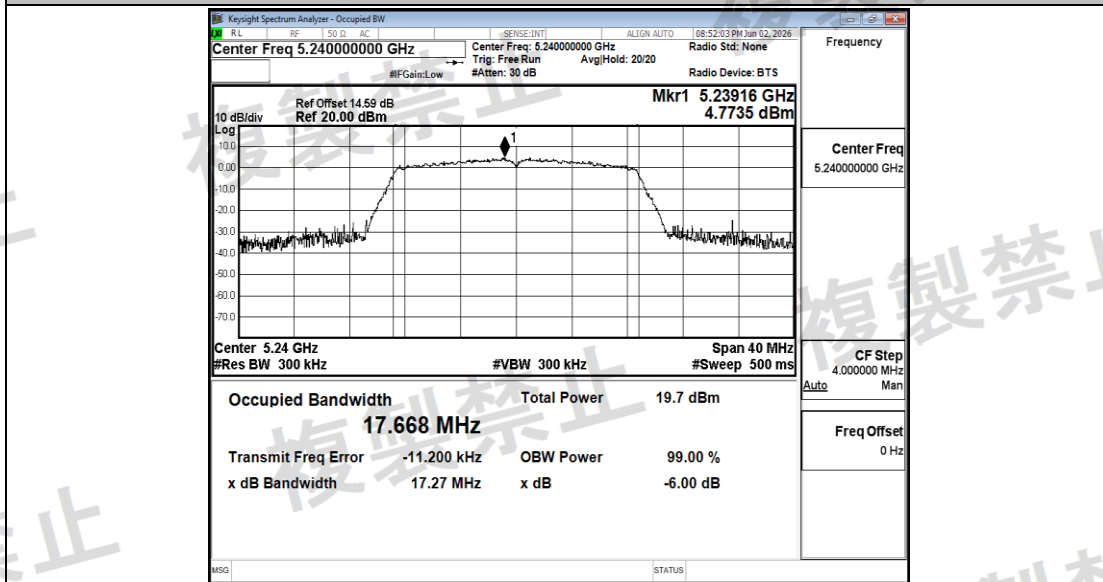
NTNV_11AX20SISO_Ant1_5180



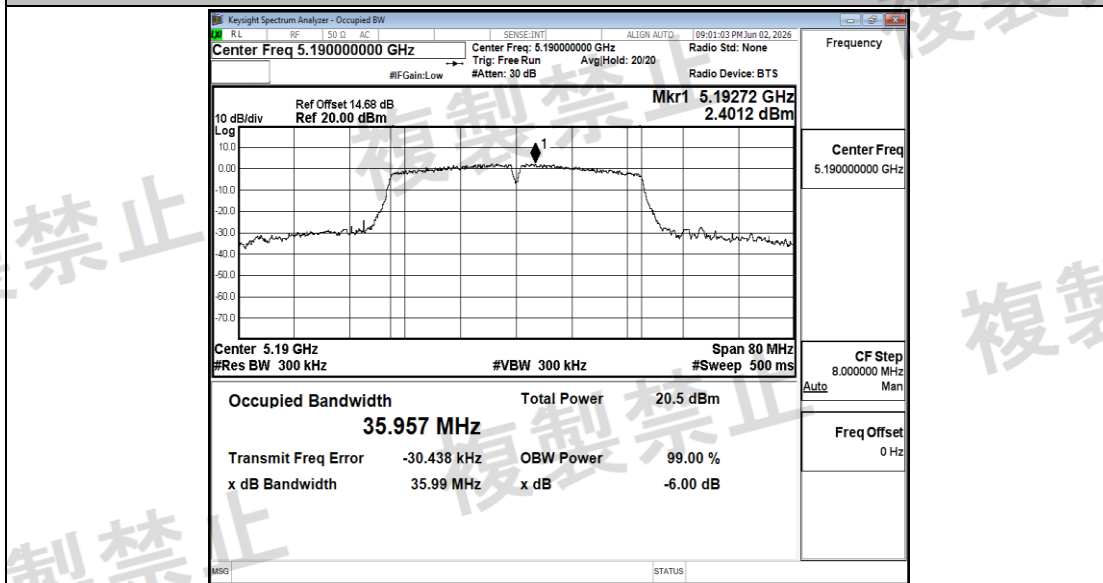
NTNV_11AX20SISO_Ant1_5200



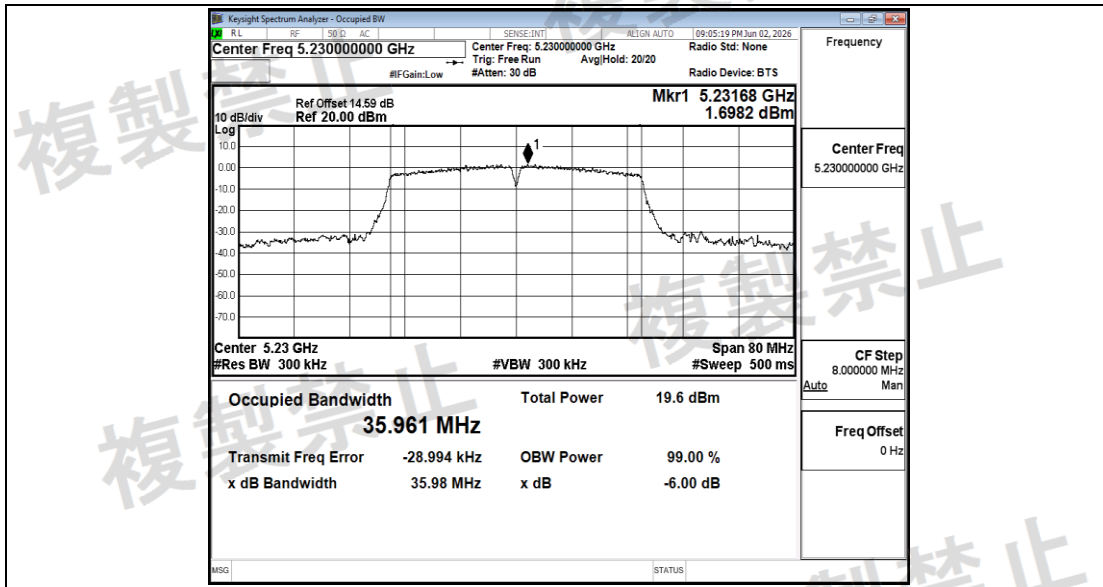
NTNV_11AX20SISO_Ant1_5240



NTNV_11AX40SISO_Ant1_5190



NTNV_11AX40SISO_Ant1_5230



A.4 Spurious Emission of TX

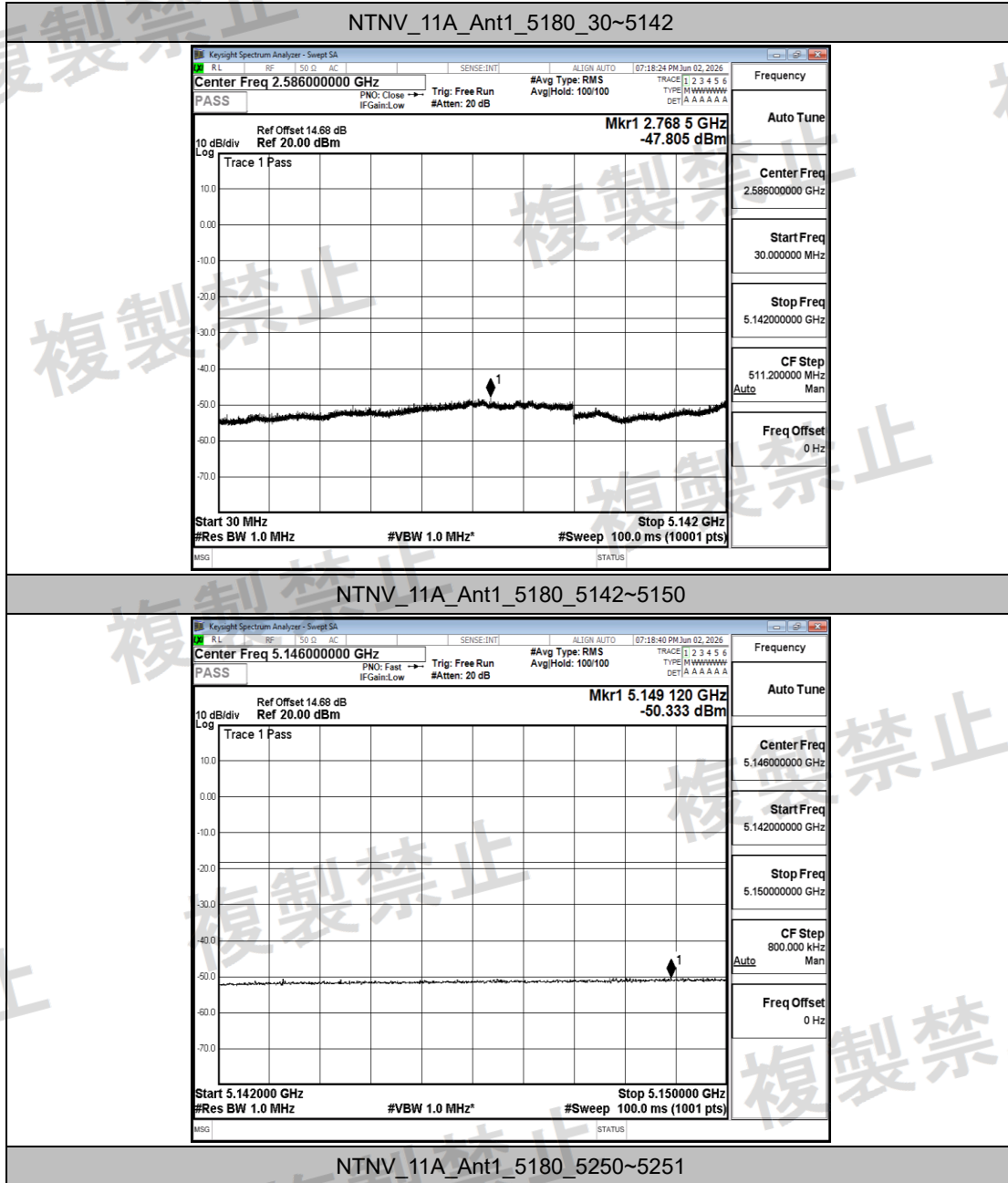
Test Result

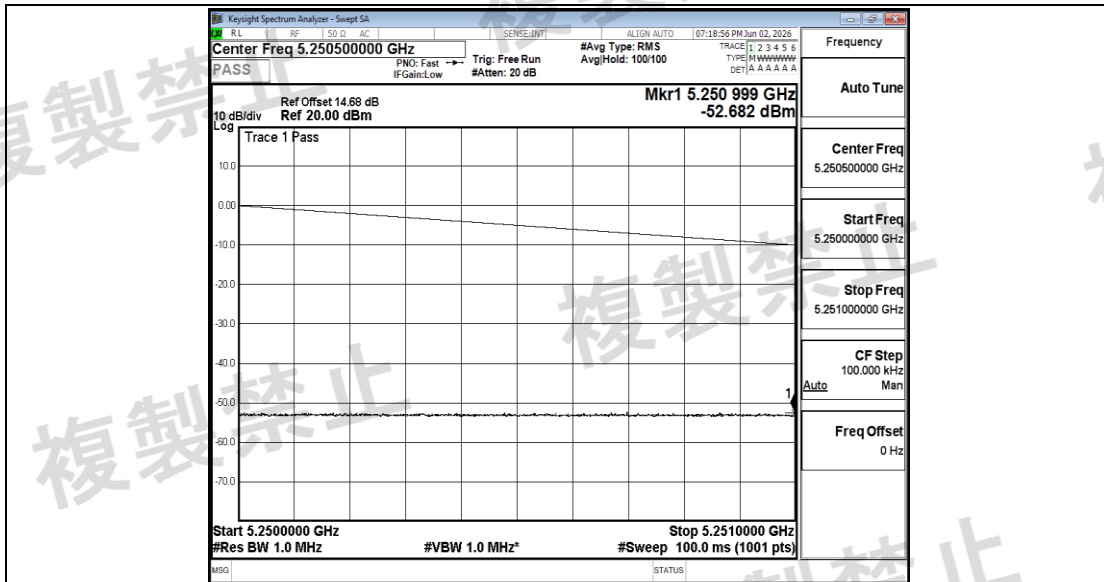
Test Condition	TestMode	Antenna	Freq (MHz)	Freq.Range [MHz]	Freq. [MHz]	Result [dBm]	Result [μW]	Limit [μW]	Verdict
NTNV	11A	Ant1	5180	30~5142	2768.50	-47.81	0.01656	≤2.5	PASS
				5142~5150	5149.12	-50.33	0.00927	≤15	PASS
				5250~5251	5251.00	-52.68	0.00540	≤100.0	PASS
				5251~5260	5259.96	-53.06	0.00494	≤16.0	PASS
				5260~5266.7	5266.67	-53.22	0.00476	≤2.5	PASS
				5266.7~26000	25746.36	-37.29	0.18664	≤2.5	PASS
			5200	30~5142	2576.80	-48.07	0.01560	≤2.5	PASS
				5142~5150	5149.59	-51.22	0.00755	≤15	PASS
				5250~5251	5250.99	-51.73	0.00671	≤102.3	PASS
				5251~5260	5259.96	-52.03	0.00627	≤16.0	PASS
				5260~5266.7	5266.68	-52.35	0.00582	≤2.5	PASS
				5266.7~26000	25016.55	-36.75	0.21135	≤2.5	PASS
			5240	30~5142	2685.68	-48.04	0.01570	≤2.5	PASS
				5142~5150	5148.39	-52.42	0.00573	≤15	PASS
				5250~5251	5250.12	-25.67	2.71019	≤758.6	PASS
				5251~5260	5255.19	-41.28	0.07447	≤42.4	PASS
				5260~5266.7	5266.53	-50.67	0.00857	≤2.6	PASS
				5266.7~26000	25756.04	-37.11	0.19454	≤2.5	PASS
	11N20SISO	Ant1	5180	30~5142	2705.11	-48.19	0.01517	≤2.5	PASS
				5142~5150	5149.46	-50.39	0.00914	≤15	PASS
				5250~5251	5250.99	-52.80	0.00525	≤102.3	PASS
				5251~5260	5259.94	-52.80	0.00525	≤16.0	PASS
				5260~5266.7	5266.61	-53.07	0.00493	≤2.6	PASS
				5266.7~26000	24143.68	-36.48	0.22491	≤2.5	PASS
			5200	30~5142	2571.18	-48.26	0.01493	≤2.5	PASS
				5142~5150	5145.06	-51.96	0.00637	≤15	PASS
				5250~5251	5250.99	-52.34	0.00583	≤102.3	PASS
				5251~5260	5259.96	-52.62	0.00547	≤16.0	PASS
				5260~5266.7	5266.68	-52.85	0.00519	≤2.5	PASS
				5266.7~26000	24145.06	-37.38	0.18281	≤2.5	PASS
			5240	30~5142	2701.53	-48.68	0.01355	≤2.5	PASS
				5142~5150	5147.42	-52.87	0.00516	≤15	PASS
				5250~5251	5250.02	-20.47	8.97429	≤955.0	PASS
				5251~5260	5251.04	-35.23	0.29992	≤99.2	PASS
				5260~5266.7	5266.68	-48.81	0.01315	≤2.5	PASS
				5266.7~26000	25744.29	-36.96	0.20137	≤2.5	PASS
			11N40SISO	Ant1	5190	30~5141.6	5141.60	-47.26	0.01879

				5141.6~5150	5148.60	-48.42	0.01439	≤15	PASS
				5250~5251	5251.00	-51.80	0.00661	≤50	PASS
				5251~5270	5269.98	-52.92	0.00511	≤7.9	PASS
				5270~5278.4	5278.30	-53.22	0.00476	≤2.5	PASS
				5278.4~26000	25672.60	-37.31	0.18578	≤2.5	PASS
			5230	30~5141.6	3079.07	-48.66	0.01361	≤2.5	PASS
				5141.6~5150	5147.98	-51.81	0.00659	≤15	PASS
				5250~5251	5250.98	-32.89	0.51404	≤52.4	PASS
				5251~5270	5264.13	-37.59	0.17418	≤14.0	PASS
				5270~5278.4	5277.61	-45.29	0.02958	≤2.8	PASS
				5278.4~26000	25821.10	-36.98	0.20045	≤2.5	PASS
	11AC20SISO	Ant1	5180	30~5142	5140.47	-48.10	0.01549	≤2.5	PASS
				5142~5150	5149.08	-48.57	0.01390	≤15	PASS
				5250~5251	5251.00	-52.47	0.00566	≤100.0	PASS
				5250~5250.2	5250.20	-53.69	0.00428	≤631.0	PASS
				5250.2~5251	5251.00	-53.58	0.00439	≤100.0	PASS
				5251~5260	5259.85	-52.22	0.00600	≤16.3	PASS
				5260~5266.7	5266.57	-52.65	0.00543	≤2.6	PASS
				5266.7~26000	25787.14	-37.17	0.19187	≤2.5	PASS
			5200	30~5142	2672.39	-47.84	0.01644	≤2.5	PASS
				5142~5150	5148.78	-51.88	0.00649	≤15	PASS
				5250~5250.2	5250.19	-52.17	0.00607	≤670.9	PASS
				5250~5251	5250.99	-52.06	0.00622	≤102.3	PASS
				5250.2~5251	5250.97	-52.51	0.00561	≤107.2	PASS
				5251~5260	5259.92	-52.93	0.00509	≤16.1	PASS
				5260~5266.7	5266.64	-52.89	0.00514	≤2.5	PASS
				5266.7~26000	24947.44	-36.02	0.25003	≤2.5	PASS
			5240	30~5142	2680.06	-48.57	0.01390	≤2.5	PASS
				5142~5150	5145.82	-52.56	0.00555	≤15	PASS
				5250~5251	5250.04	-20.62	8.66962	≤912.0	PASS
				5250~5250.2	5250.20	-19.19	12.05036	≤631.0	PASS
				5250.2~5251	5250.96	-22.02	6.28058	≤109.6	PASS
				5251~5260	5251.00	-34.80	0.33113	≤100.0	PASS
				5260~5266.7	5265.65	-47.46	0.01795	≤3.3	PASS
				5266.7~26000	25700.06	-37.34	0.18450	≤2.5	PASS
	11AC40SISO	Ant1	5190	30~5141.6	5141.60	-41.84	0.06546	≤2.5	PASS
				5141.6~5150	5149.78	-41.36	0.07311	≤15	PASS
				5250~5251	5251.00	-48.81	0.01315	≤50	PASS
				5251~5270	5269.96	-50.98	0.00798	≤8.0	PASS
				5270~5278.4	5278.37	-51.77	0.00665	≤2.5	PASS
				5278.4~26000	25707.83	-36.98	0.20045	≤2.5	PASS
			5230	30~5141.6	2699.28	-48.42	0.01439	≤2.5	PASS
				5141.6~5150	5149.75	-51.85	0.00653	≤15	PASS
				5250~5251	5250.97	-32.44	0.57016	≤53.6	PASS

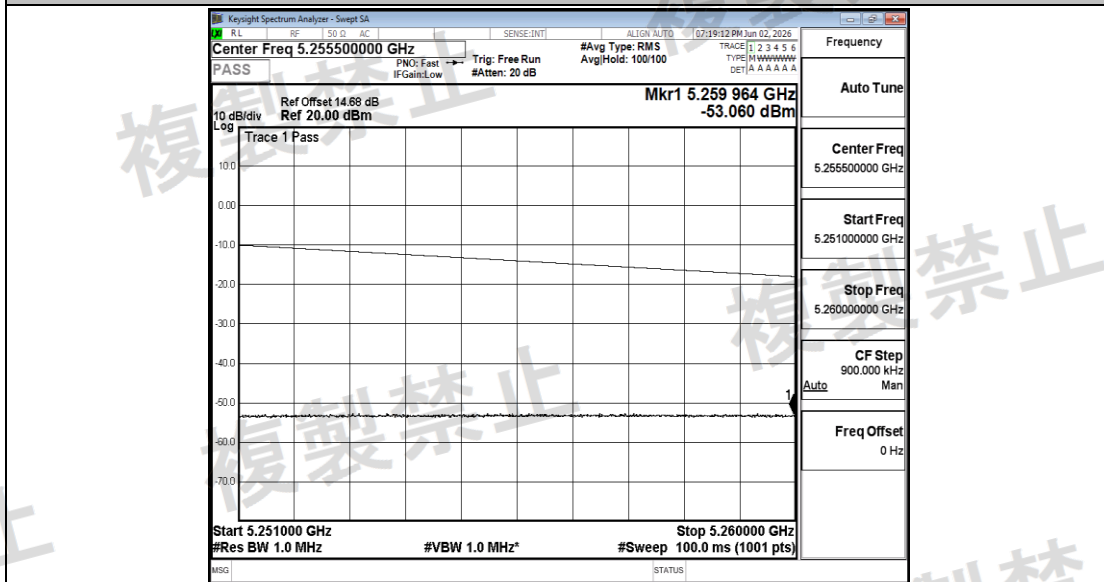
	11AX20SISO	Ant1		5251~5270	5263.71	-38.23	0.15031	≤14.6	PASS
				5270~5278.4	5278.20	-45.92	0.02559	≤2.6	PASS
				5278.4~26000	25747.89	-37.50	0.17783	≤2.5	PASS
			5180	30~5142	5141.49	-46.87	0.02056	≤2.5	PASS
				5142~5150	5149.77	-46.51	0.02234	≤15	PASS
				5250~5251	5250.98	-52.00	0.00631	≤104.7	PASS
				5250~5250.2	5250.20	-53.80	0.00417	≤631.0	PASS
				5250.2~5251	5250.99	-53.75	0.00422	≤102.3	PASS
				5251~5260	5259.87	-52.44	0.00570	≤16.3	PASS
				5260~5266.7	5266.65	-52.80	0.00525	≤2.5	PASS
				5266.7~26000	25703.51	-37.02	0.19861	≤2.5	PASS
			5200	30~5142	5120.53	-48.36	0.01459	≤2.5	PASS
				5142~5150	5149.24	-51.15	0.00767	≤15	PASS
				5250~5250.2	5250.20	-53.69	0.00428	≤631.0	PASS
				5250~5251	5251.00	-51.49	0.00710	≤100.0	PASS
				5250.2~5251	5251.00	-53.71	0.00426	≤100.0	PASS
				5251~5260	5259.87	-52.00	0.00631	≤16.3	PASS
				5260~5266.7	5266.63	-52.26	0.00594	≤2.5	PASS
				5266.7~26000	25637.17	-37.36	0.18365	≤2.5	PASS
			5240	30~5142	3497.47	-47.31	0.01858	≤2.5	PASS
				5142~5150	5147.14	-52.45	0.00569	≤15	PASS
				5250~5251	5250.01	-19.80	10.47129	≤977.2	PASS
				5250~5250.2	5250.20	-14.21	37.93150	≤631.0	PASS
				5250.2~5251	5250.22	-14.59	34.75362	≤602.6	PASS
				5251~5260	5251.89	-33.63	0.43351	≤83.3	PASS
				5260~5266.7	5266.22	-45.99	0.02518	≤2.9	PASS
				5266.7~26000	24997.89	-37.62	0.17298	≤2.5	PASS
	11AX40SISO	Ant1	5190	30~5141.6	5140.58	-42.85	0.05188	≤2.5	PASS
				5141.6~5150	5149.25	-40.26	0.09419	≤15	PASS
				5250~5251	5251.00	-48.76	0.01330	≤50	PASS
				5251~5270	5269.73	-51.30	0.00741	≤8.1	PASS
				5270~5278.4	5278.33	-51.88	0.00649	≤2.5	PASS
				5278.4~26000	25784.50	-37.07	0.19634	≤2.5	PASS
			5230	30~5141.6	4183.18	-45.93	0.02553	≤2.5	PASS
				5141.6~5150	5149.33	-54.13	0.00386	≤15	PASS
				5250~5251	5250.98	-32.36	0.58076	≤52.4	PASS
				5251~5270	5251.00	-33.65	0.43152	≤50	PASS
				5270~5278.4	5278.37	-51.13	0.00771	≤2.5	PASS
				5278.4~26000	25709.90	-37.69	0.17022	≤2.5	PASS

Test Graphs

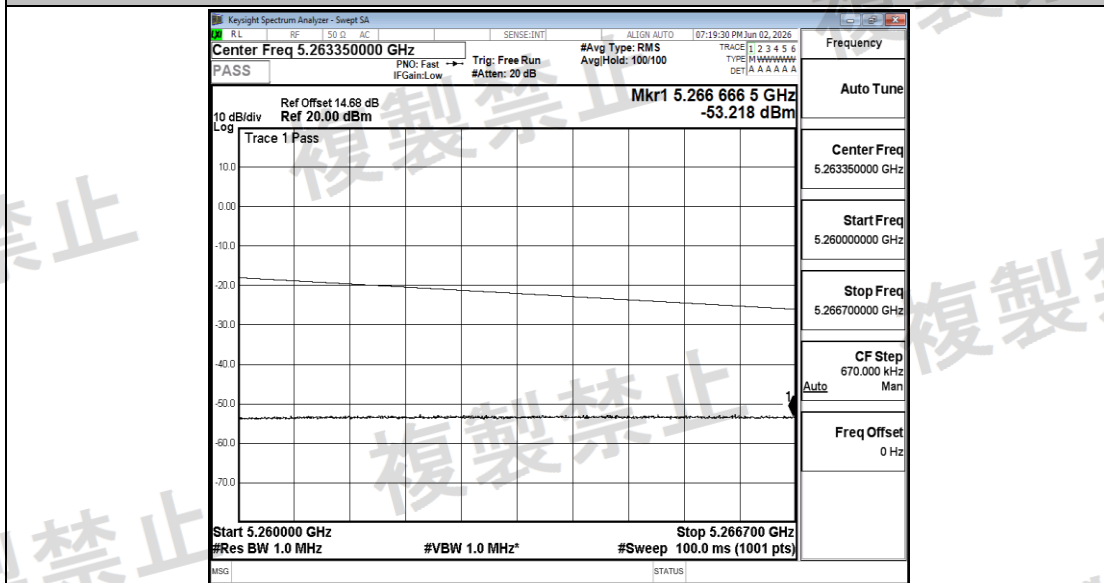




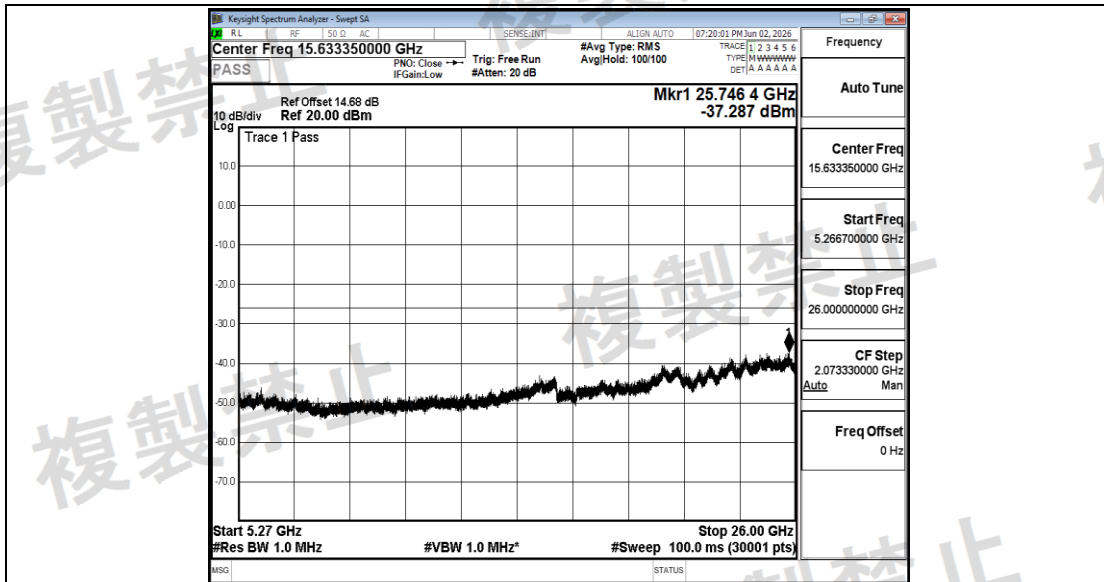
NTNV_11A_Ant1_5180_5251~5260



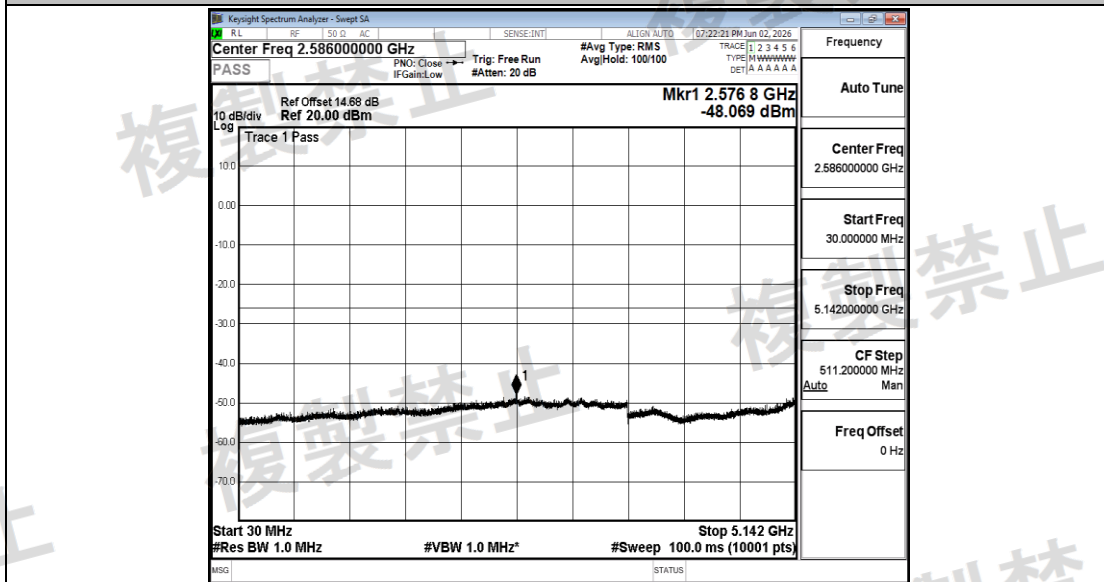
NTNV_11A_Ant1_5180_5260~5266.7



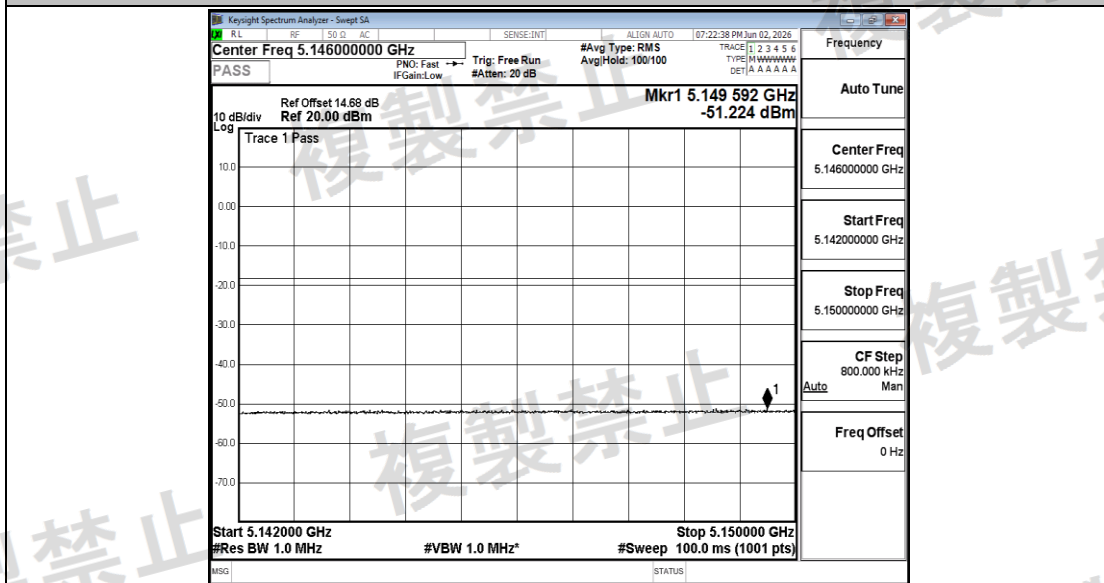
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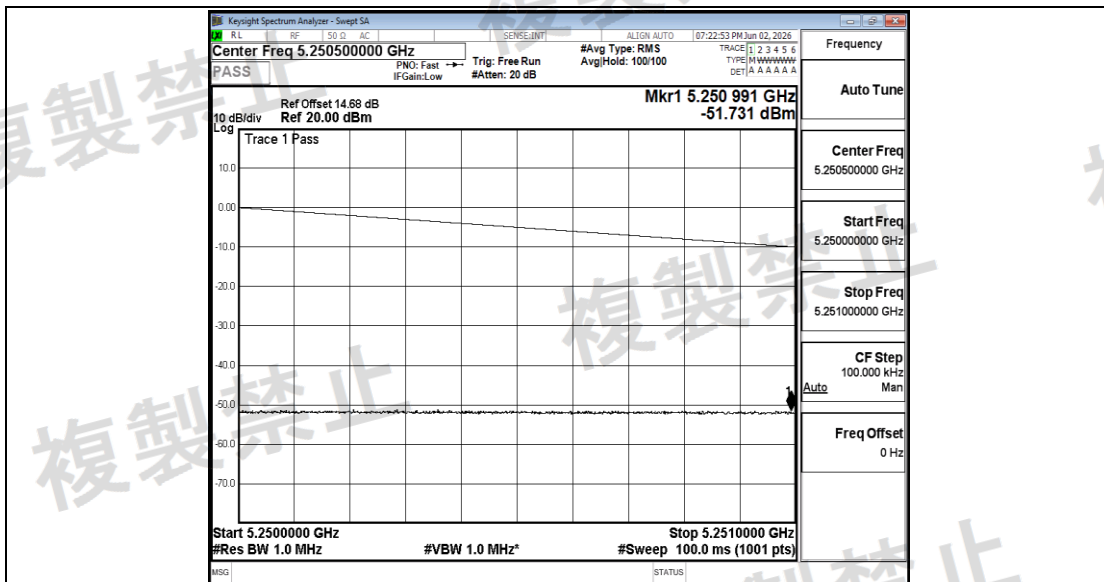
NTNV_11A_Ant1_5200_30~5142



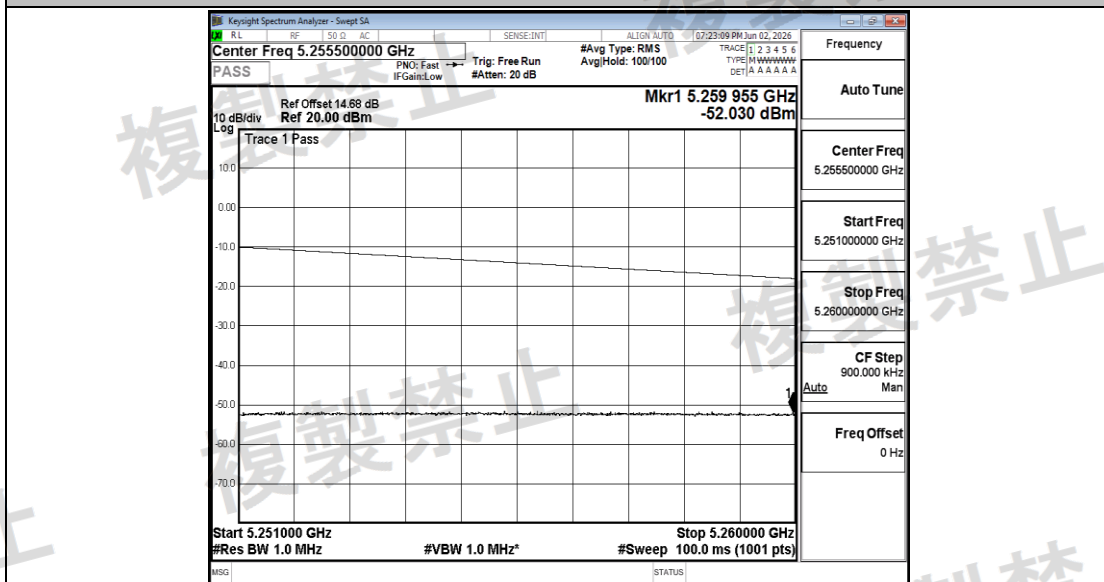
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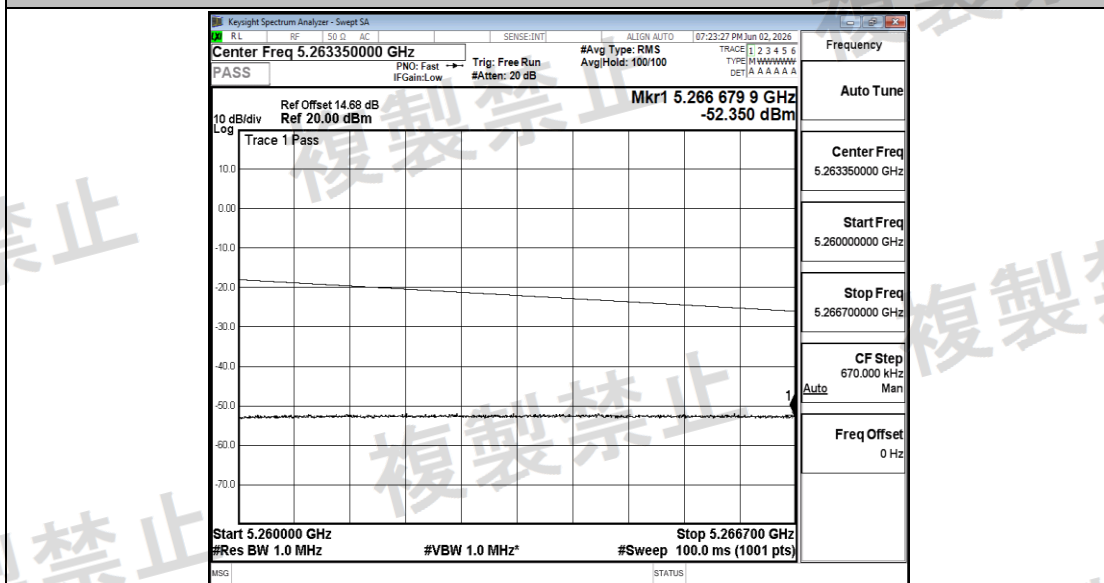
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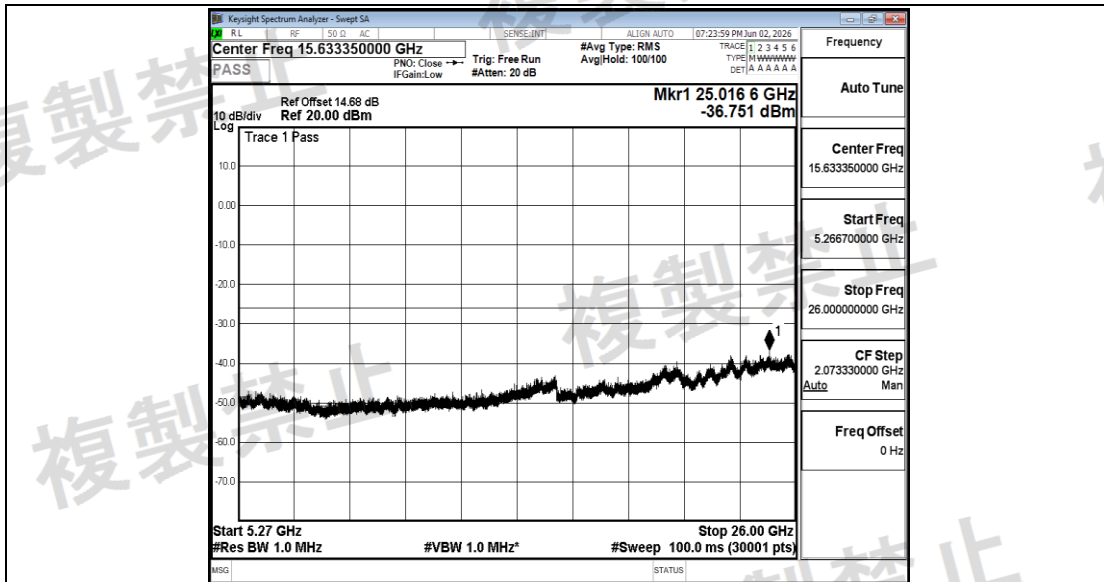
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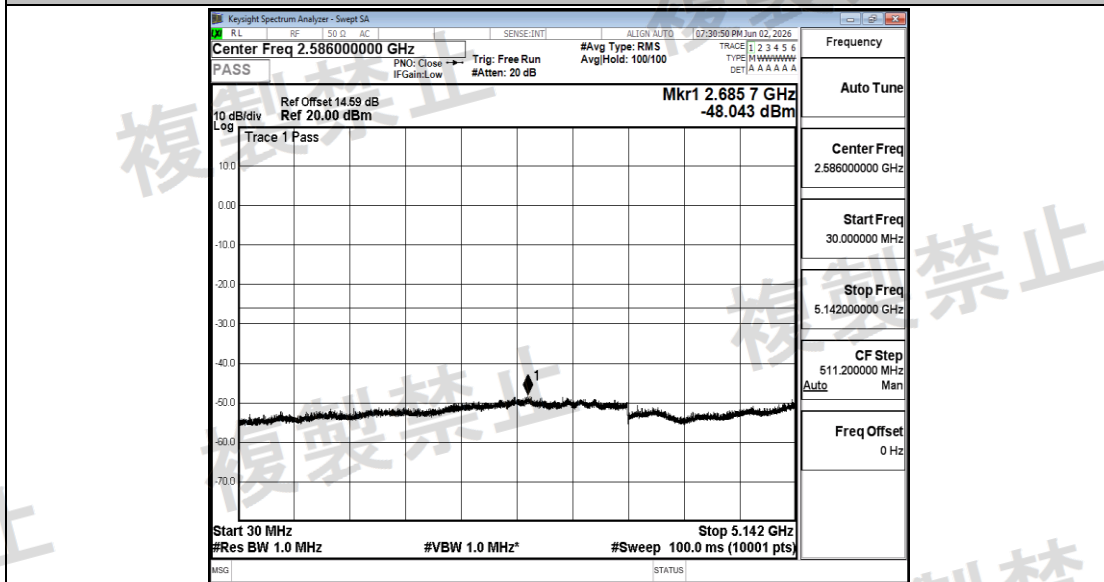
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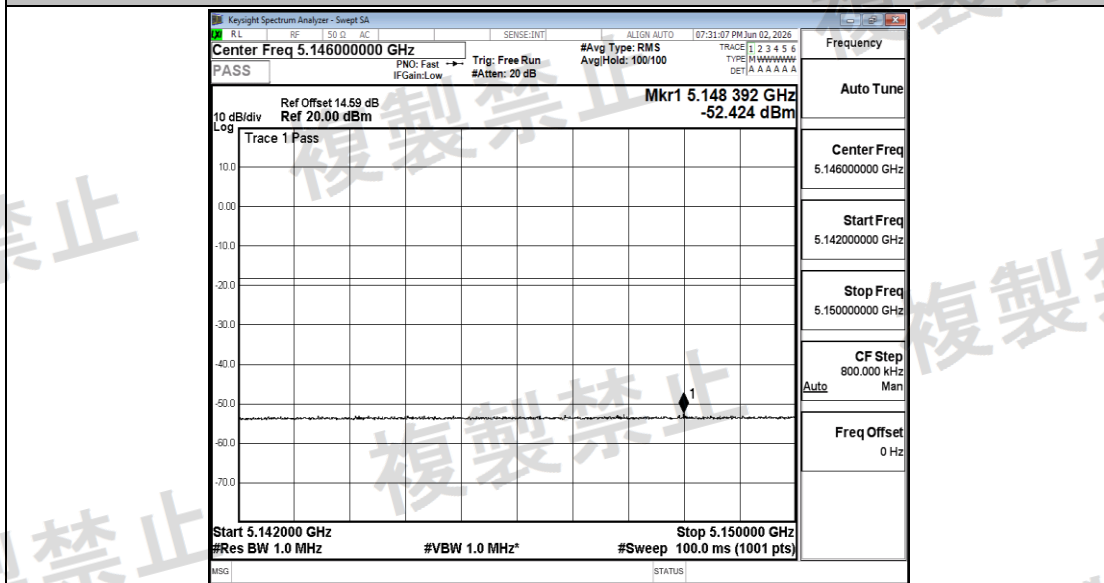
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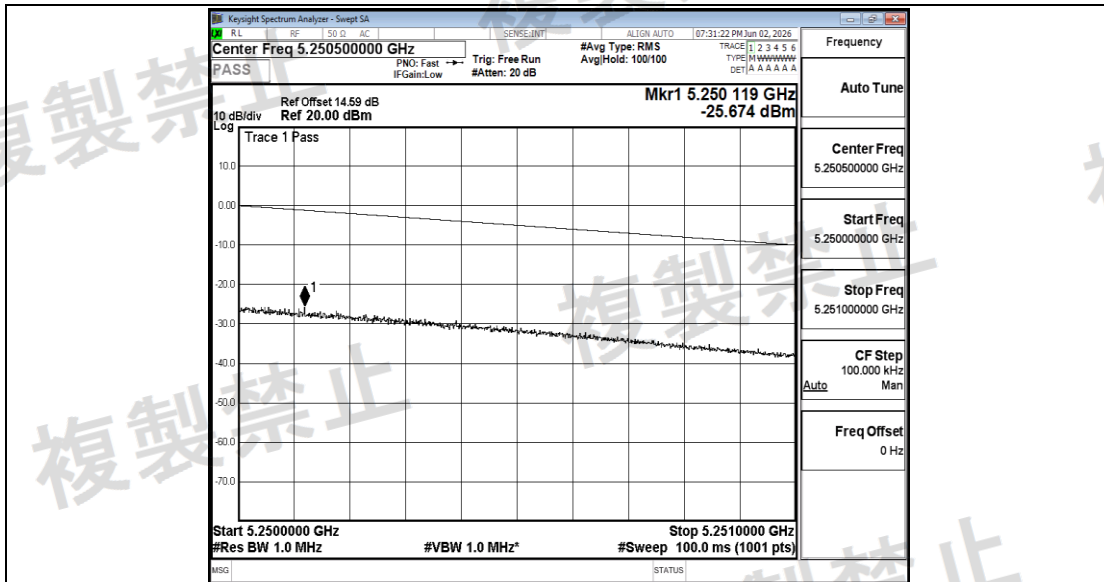
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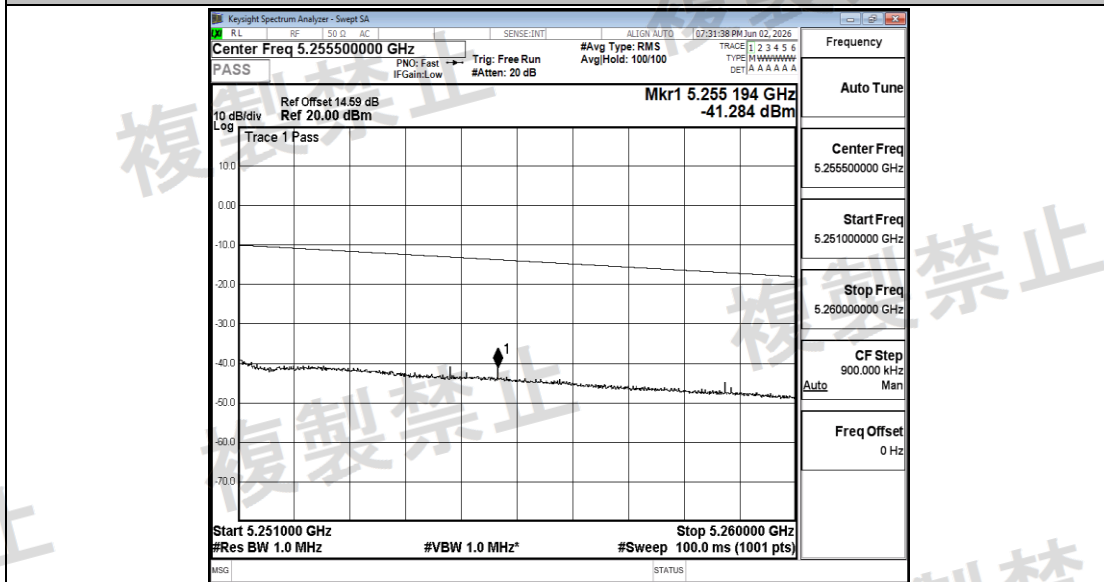
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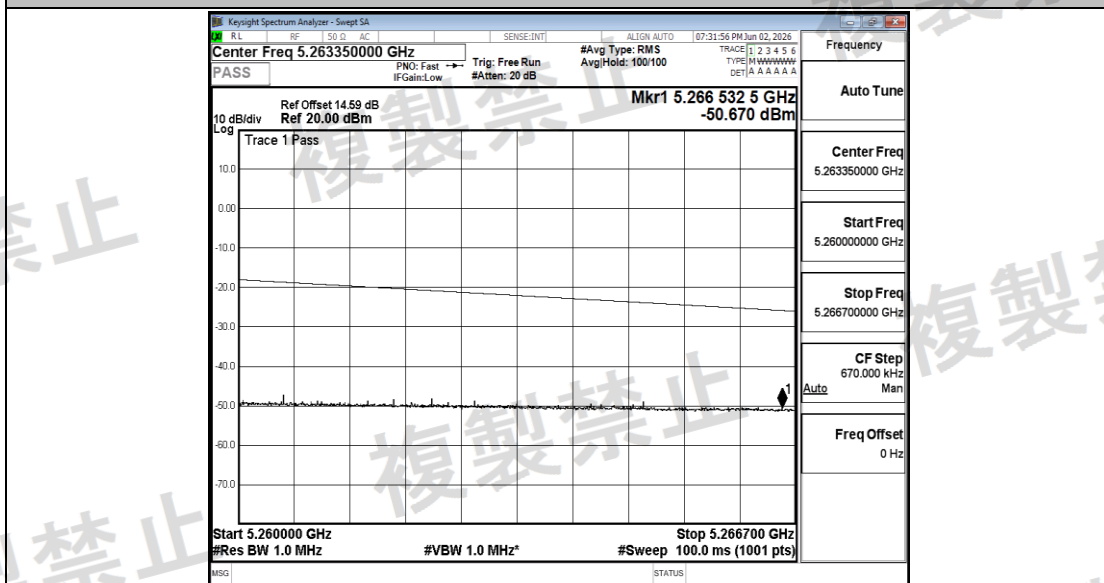
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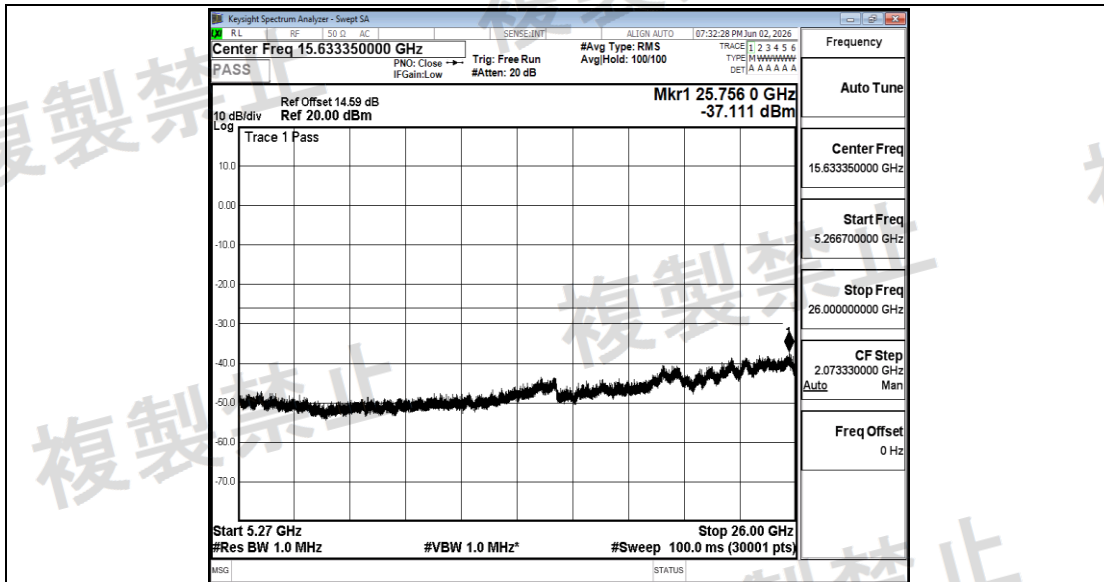
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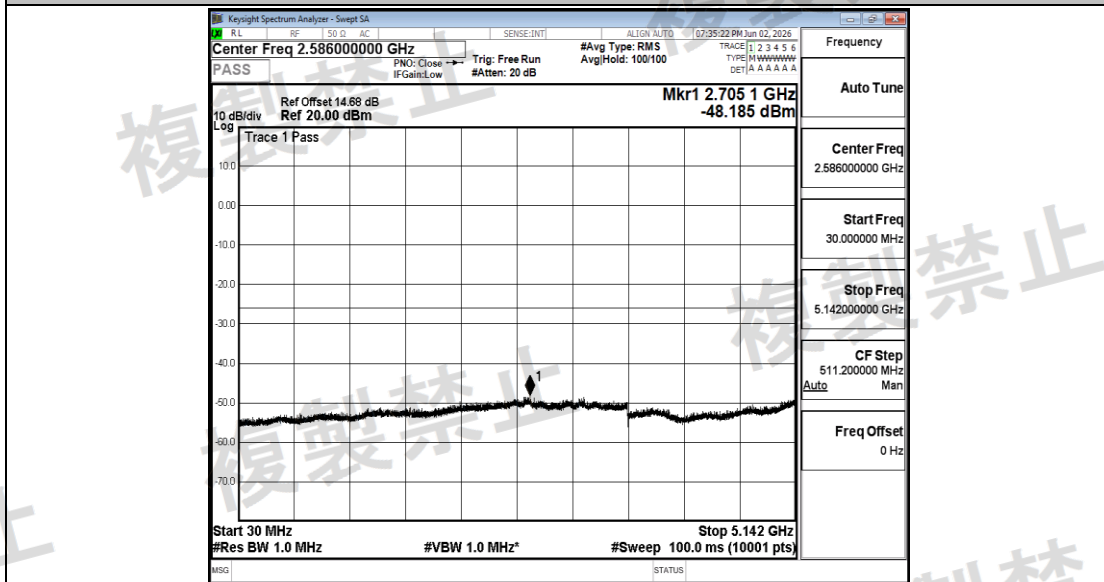
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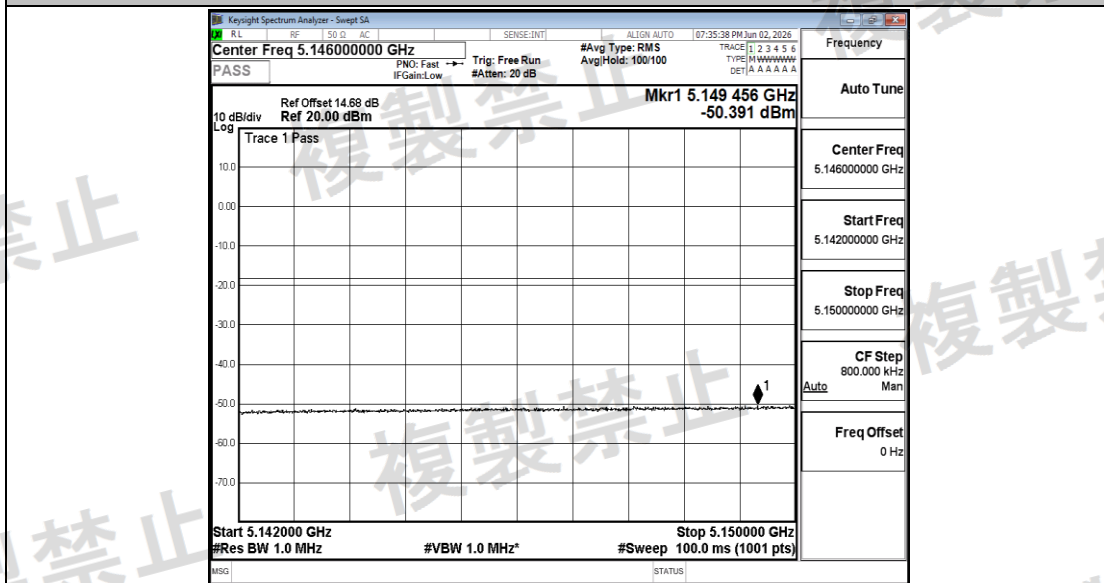
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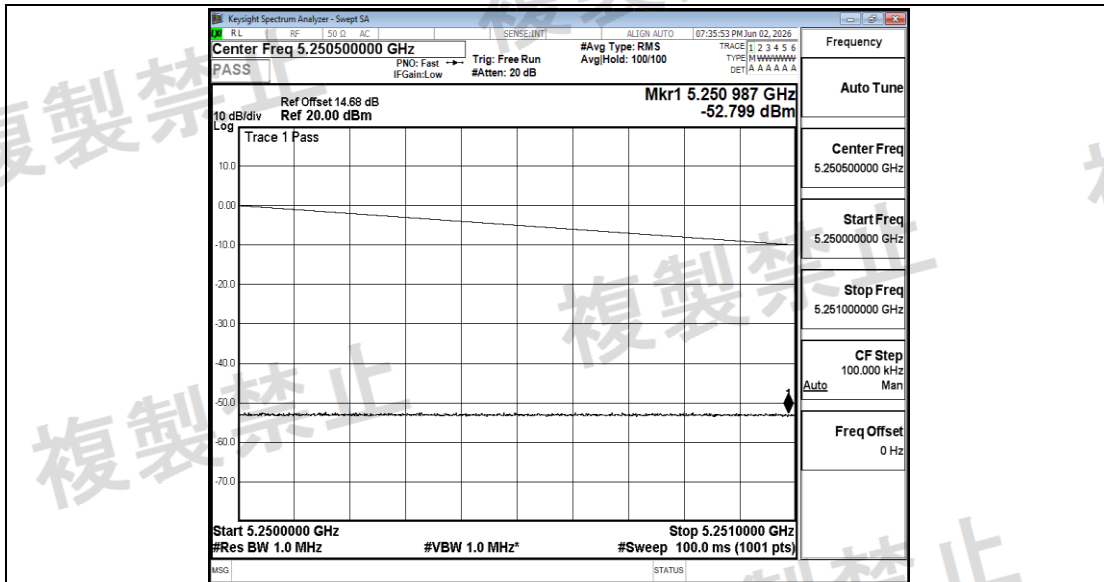
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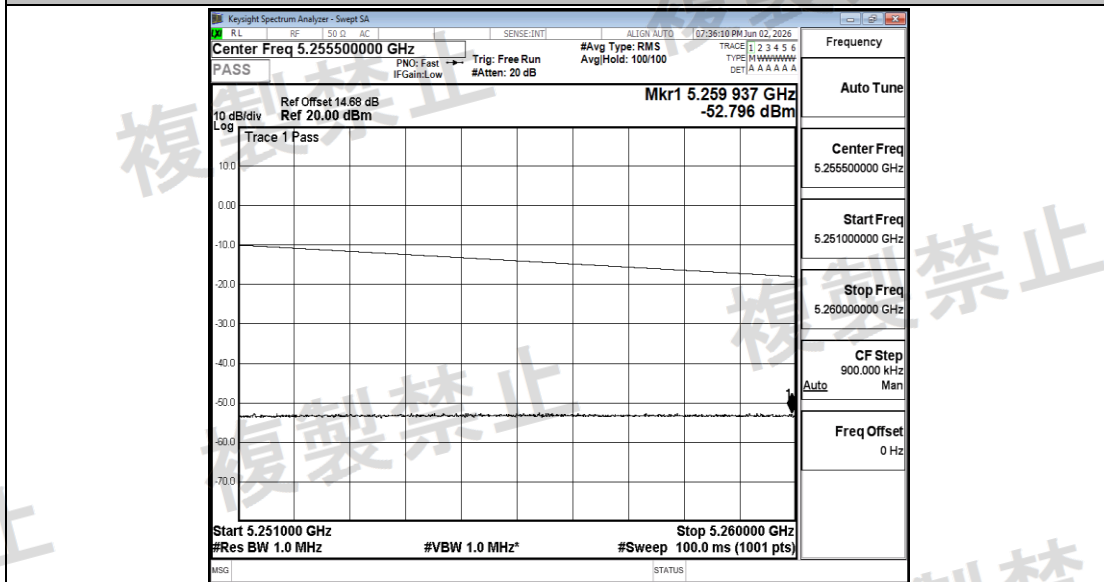
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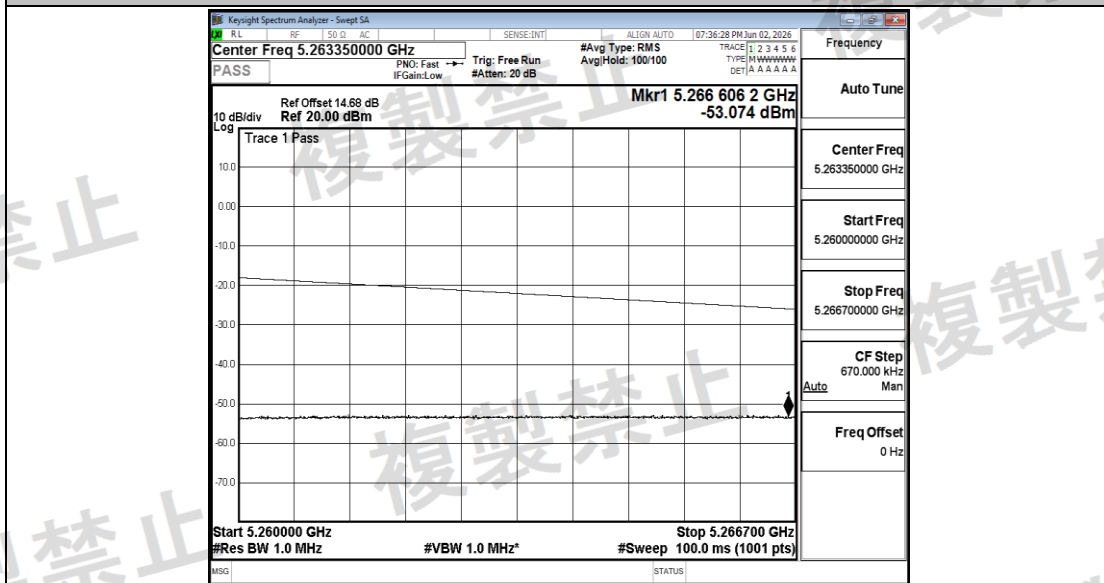
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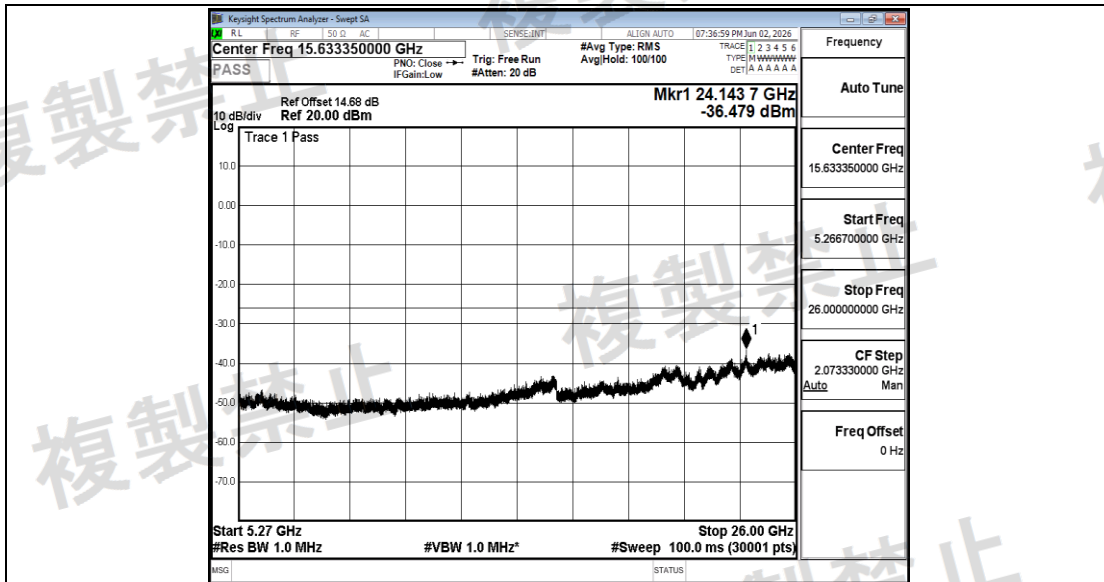
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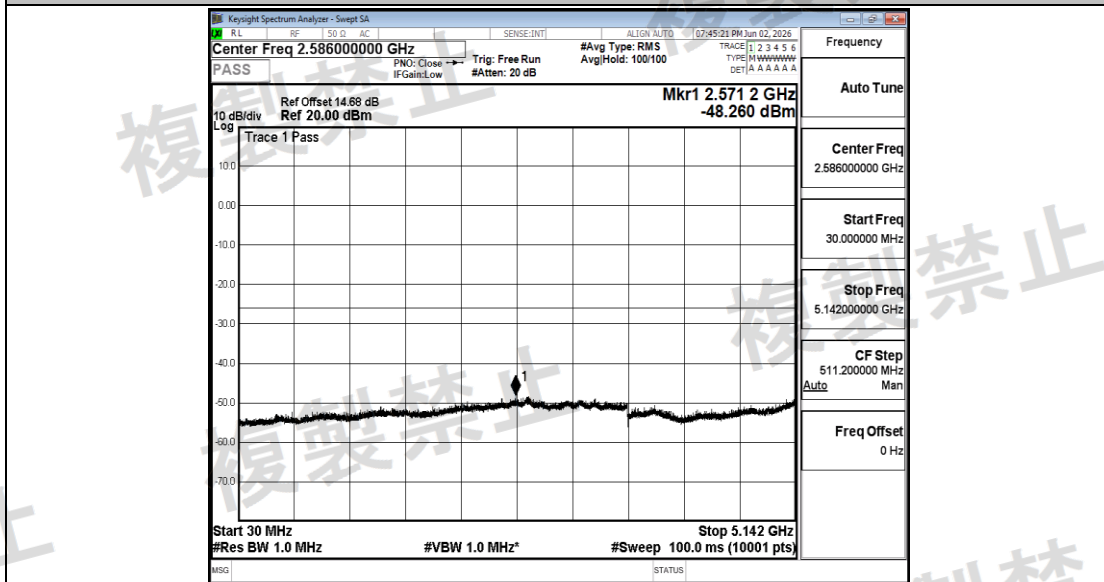
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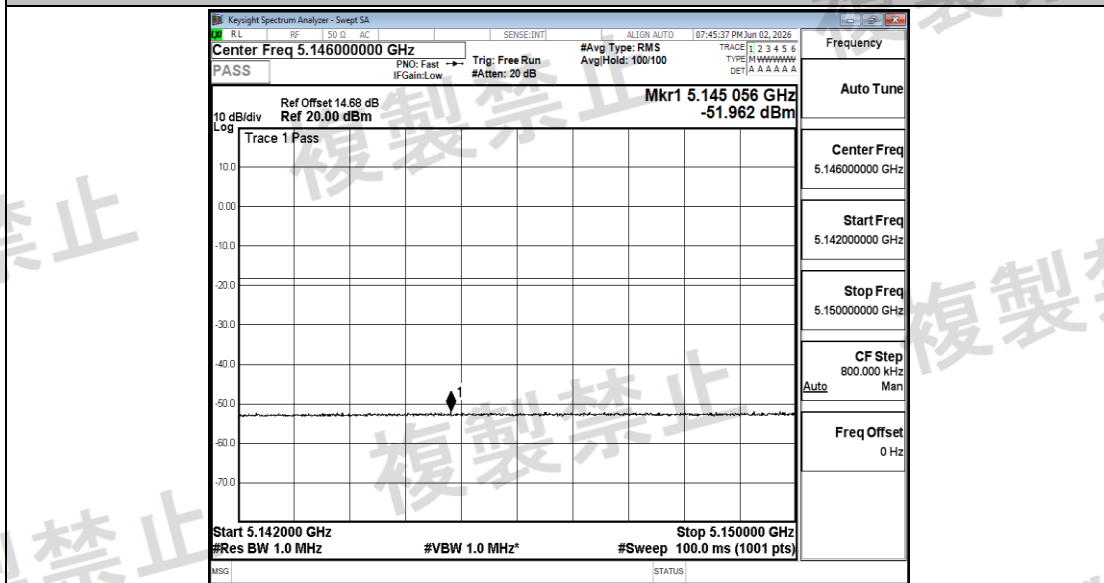
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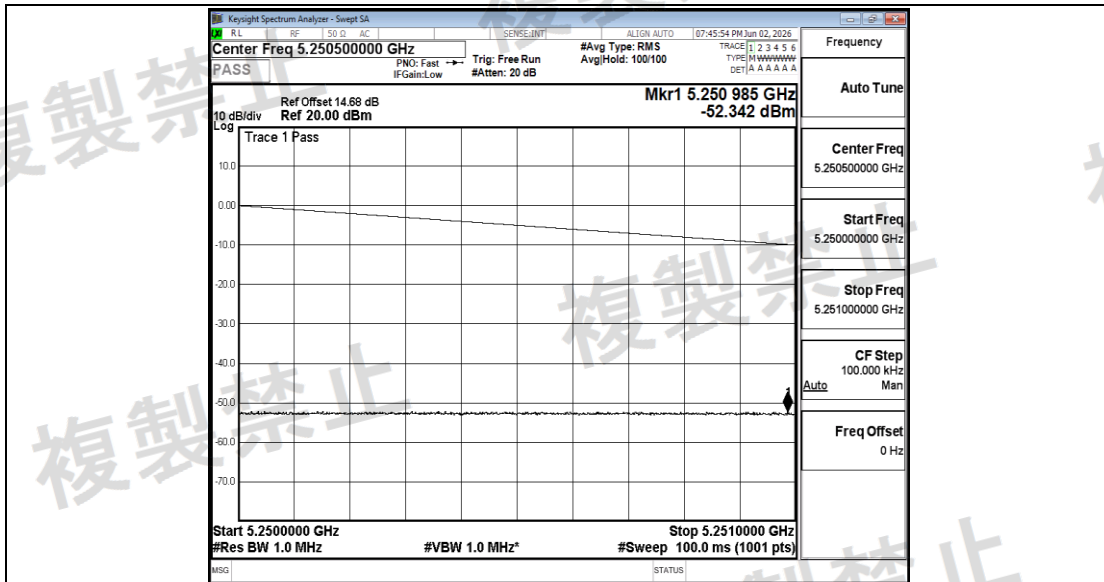
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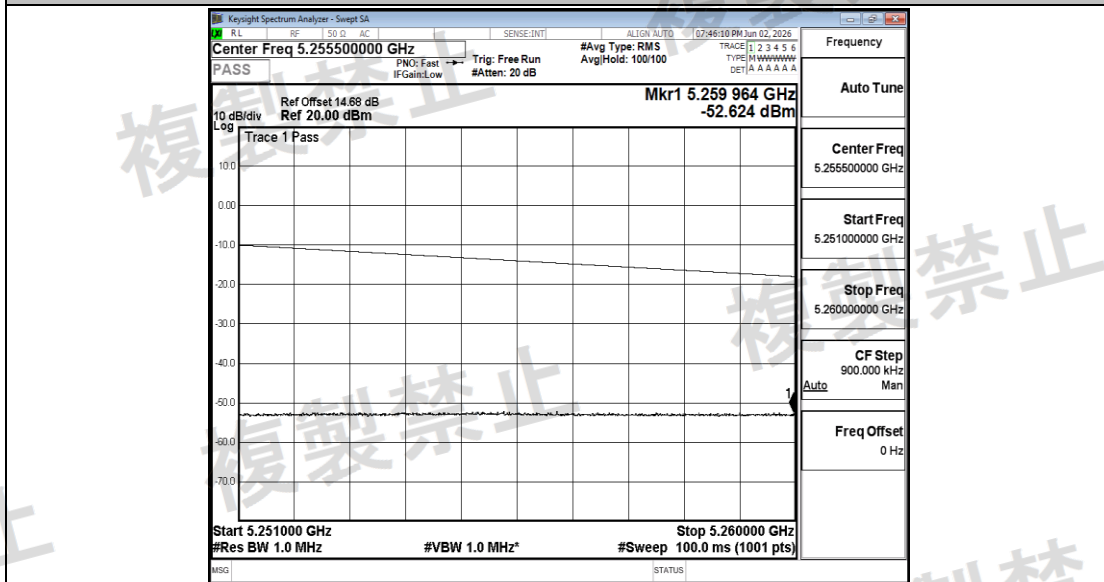
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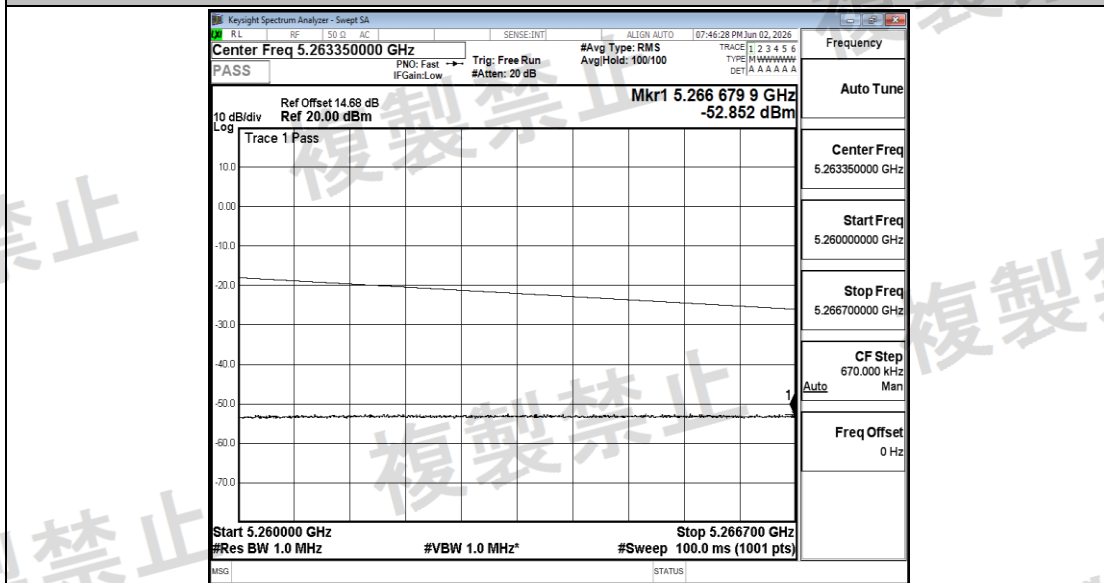
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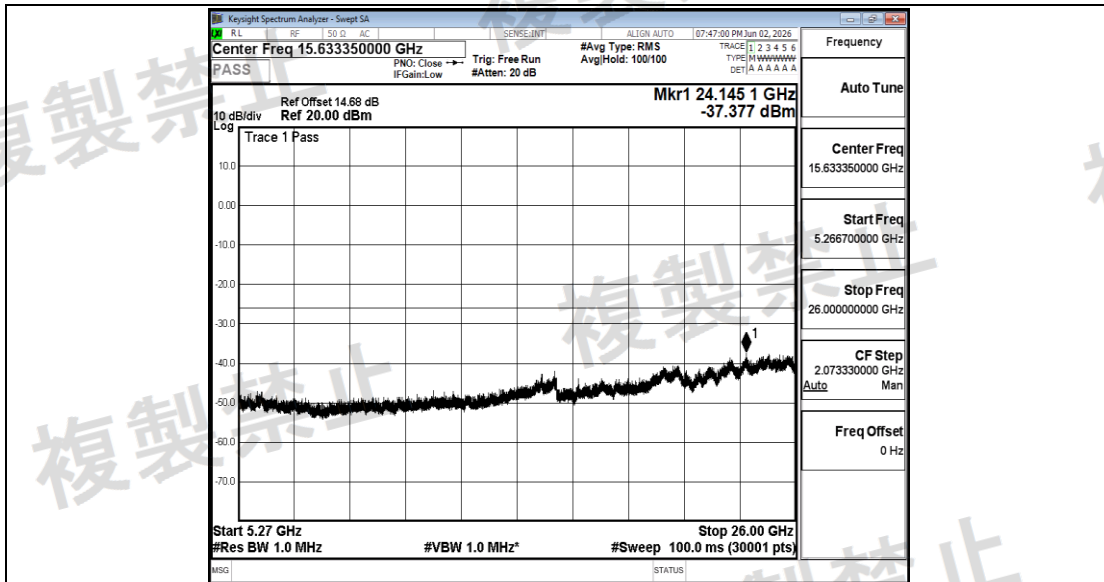
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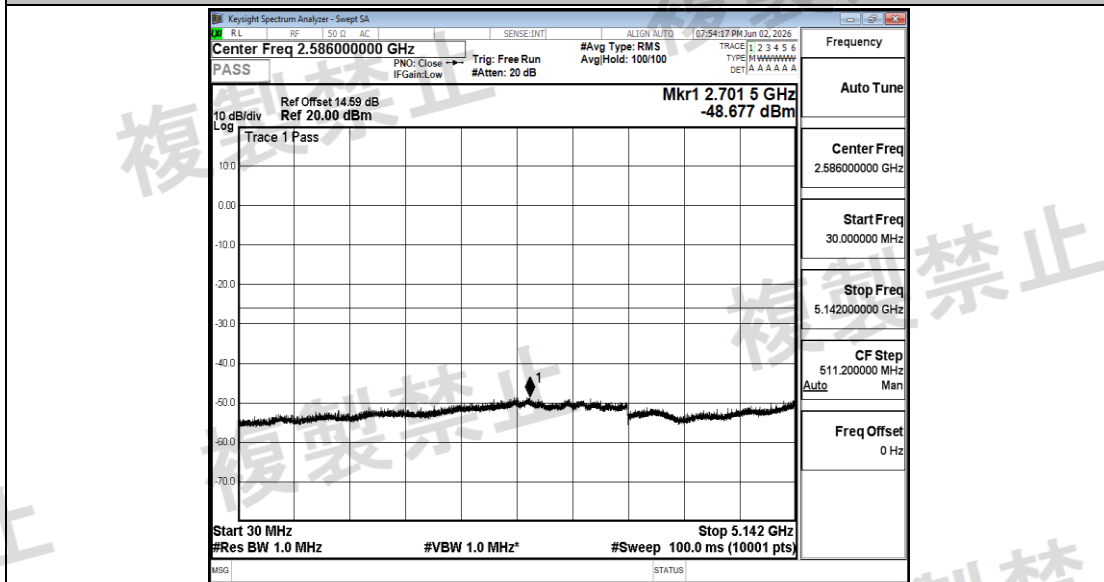
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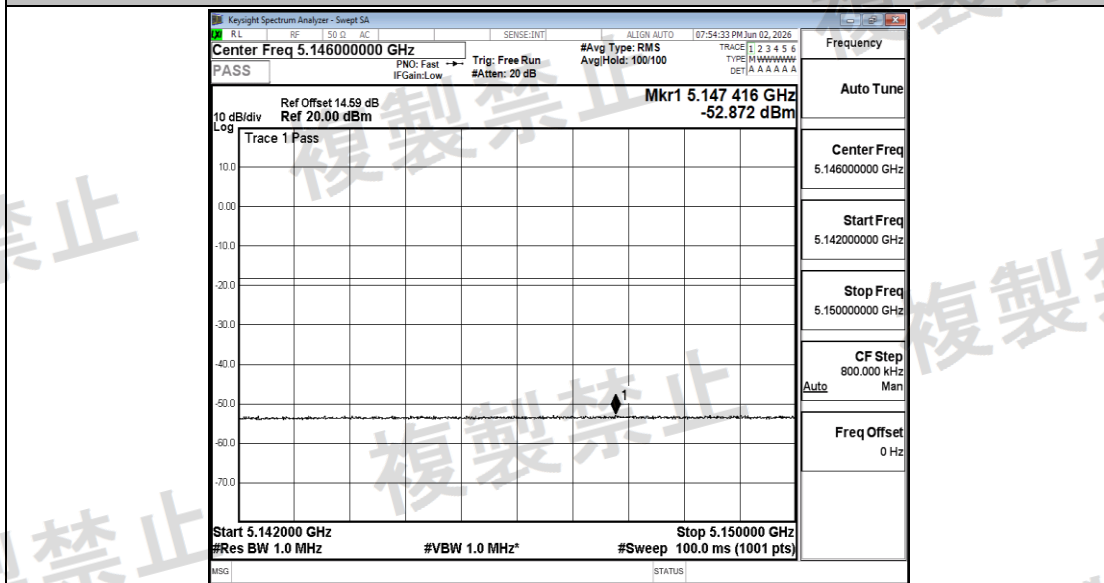
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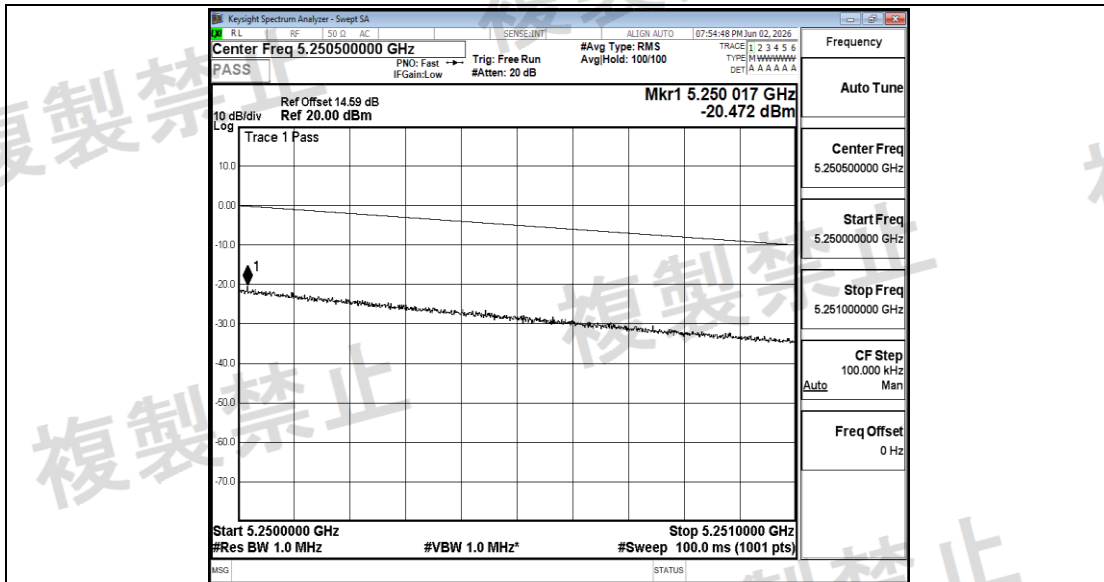
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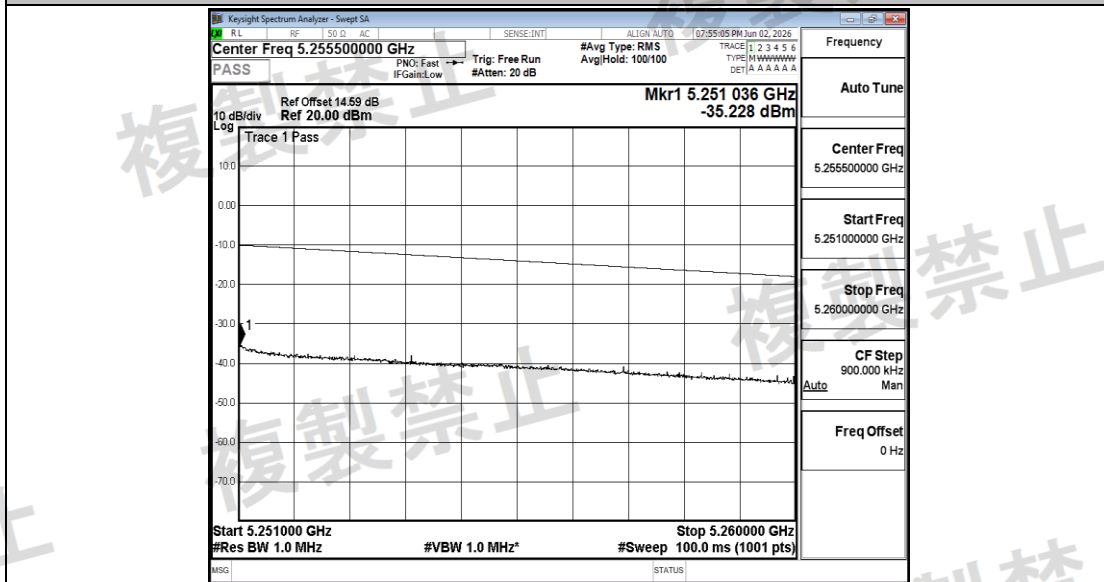
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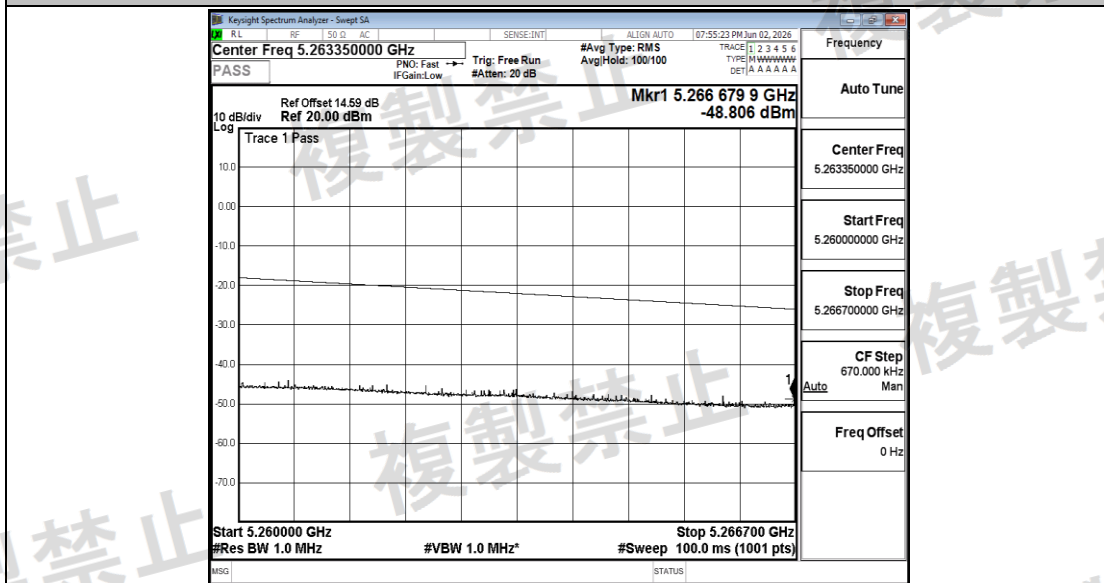
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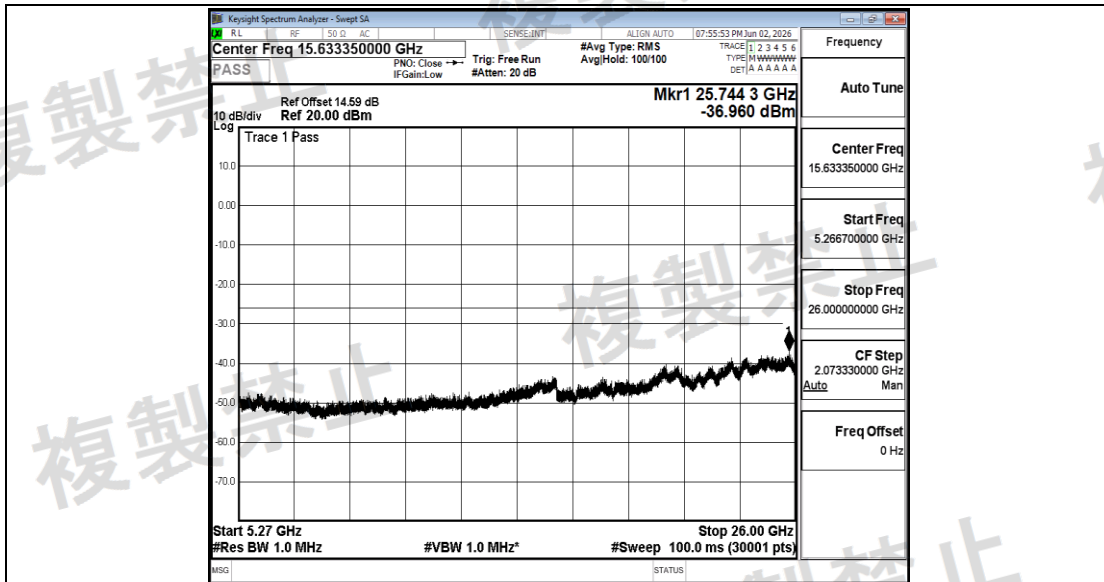
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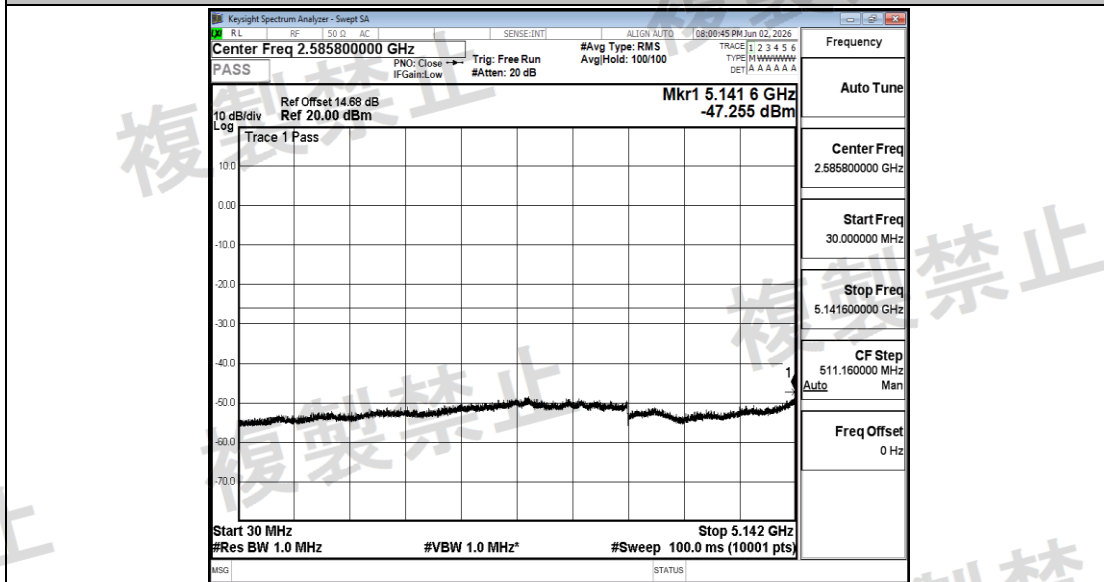
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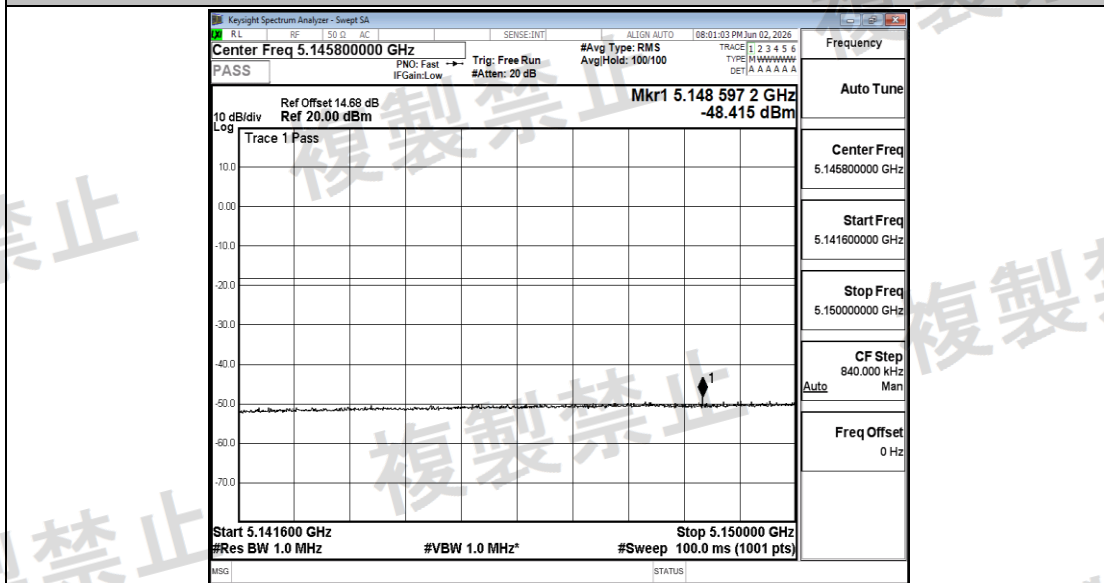
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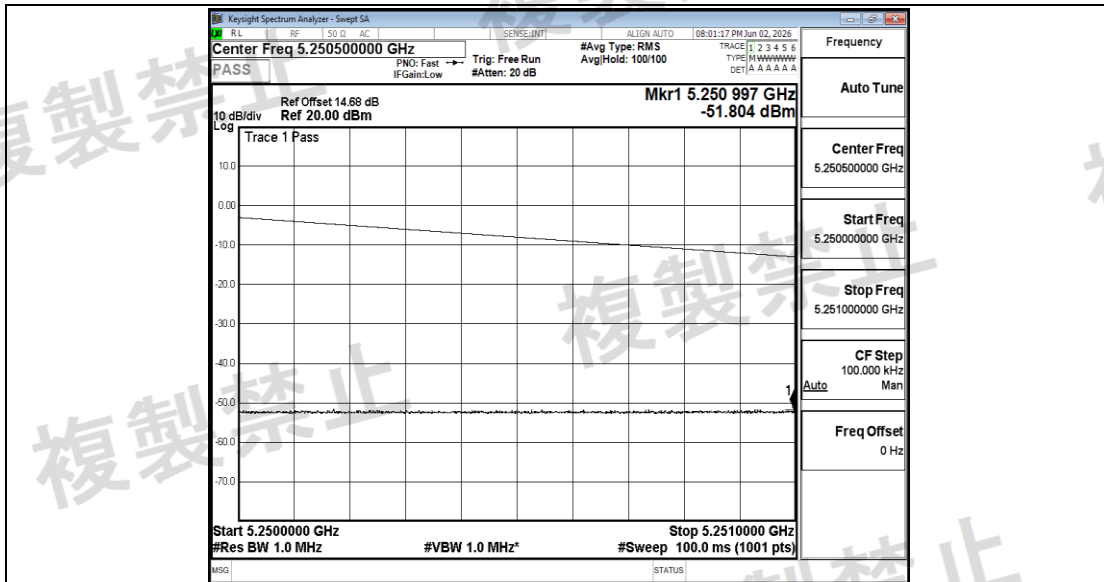
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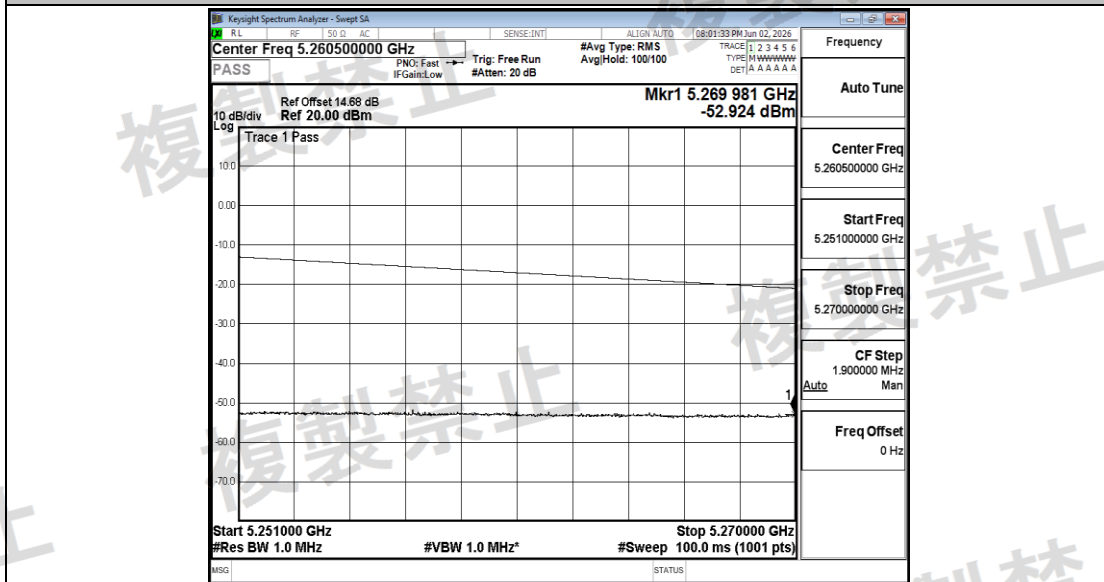
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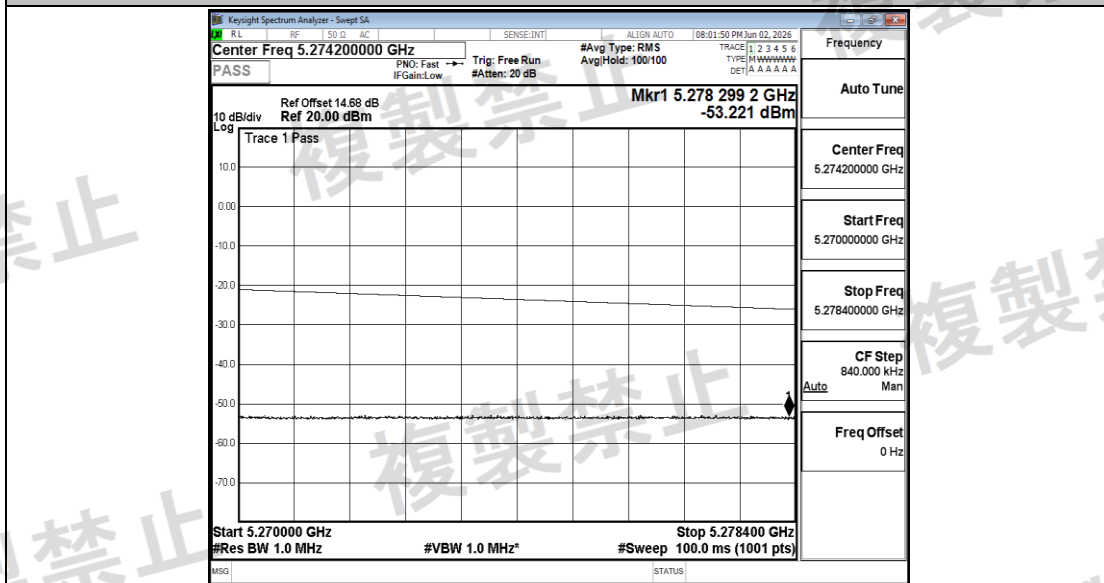
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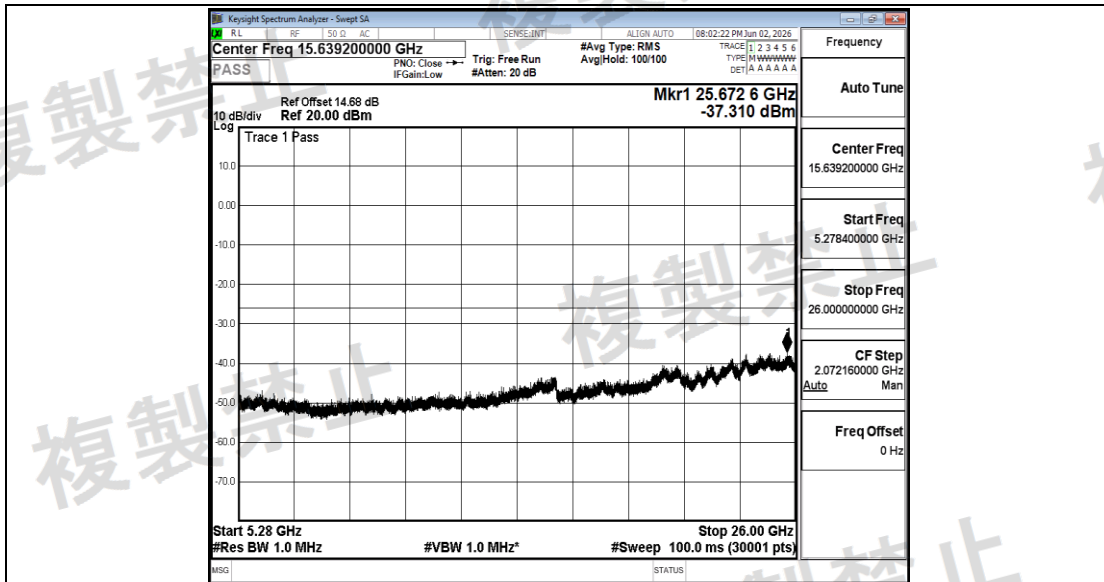
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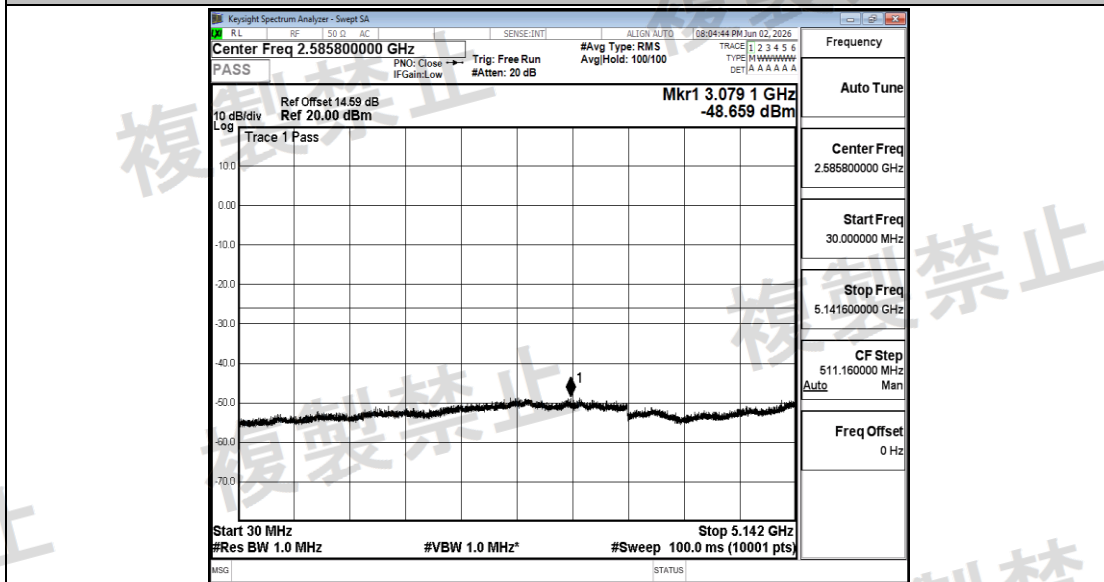
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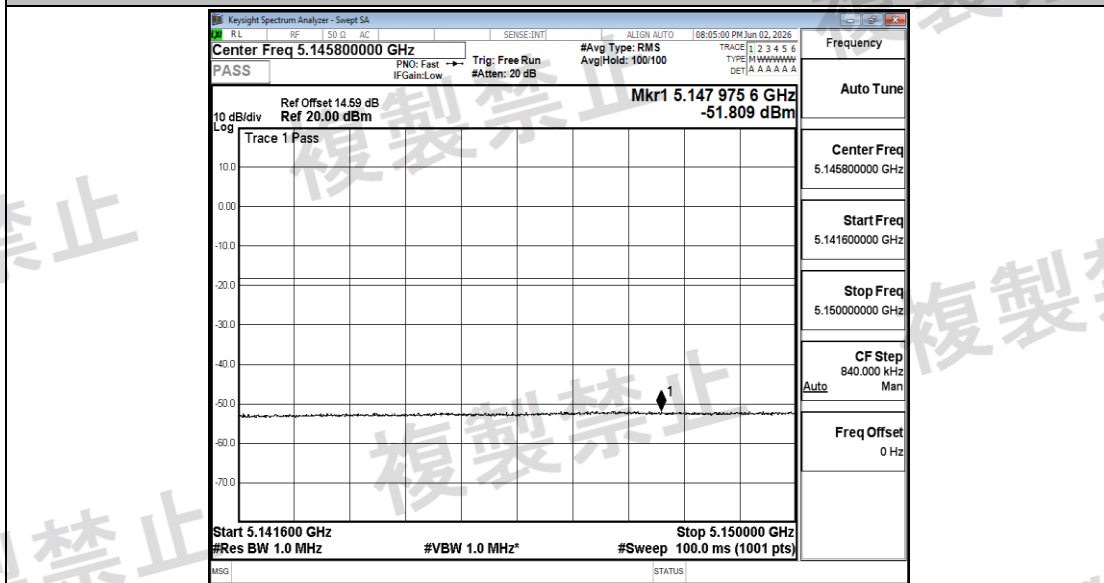
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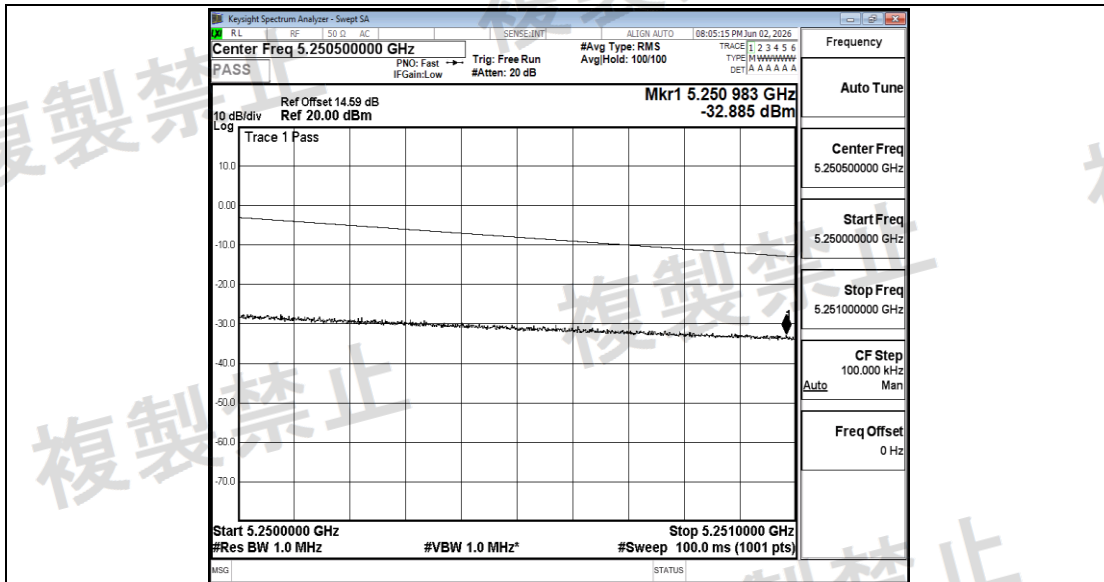
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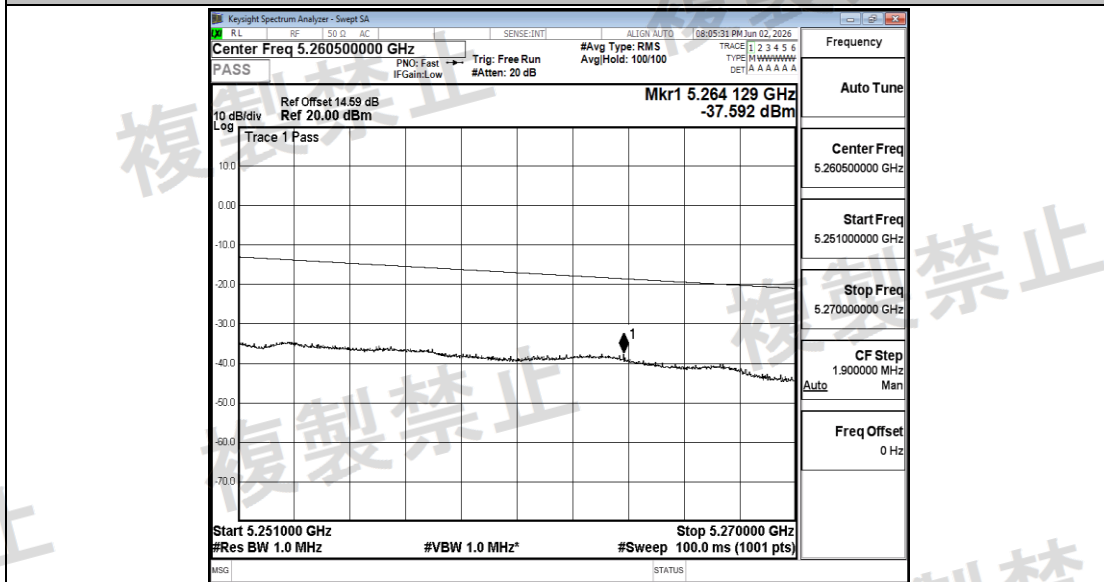
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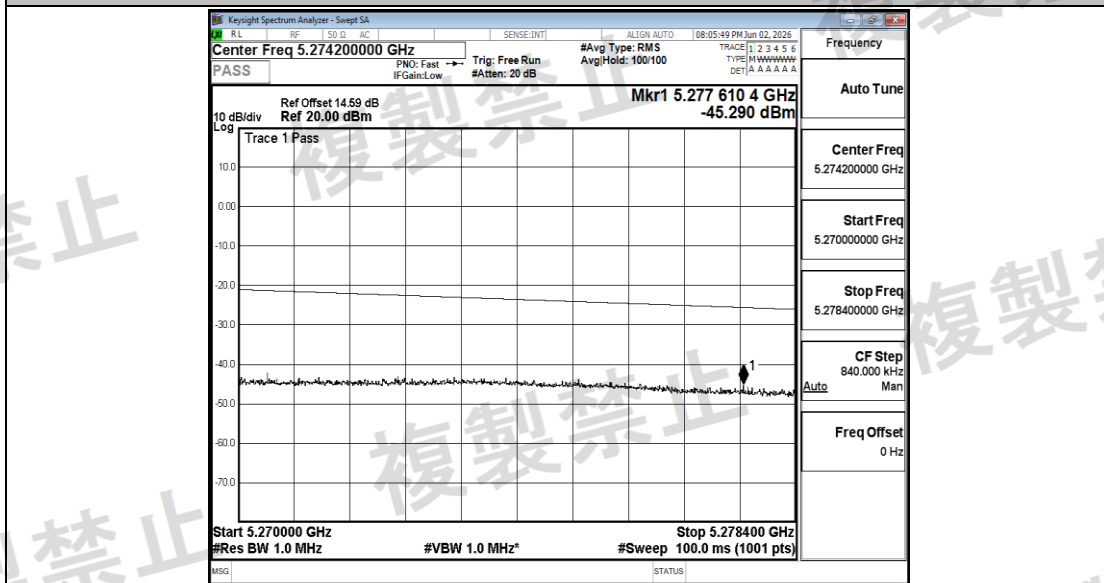
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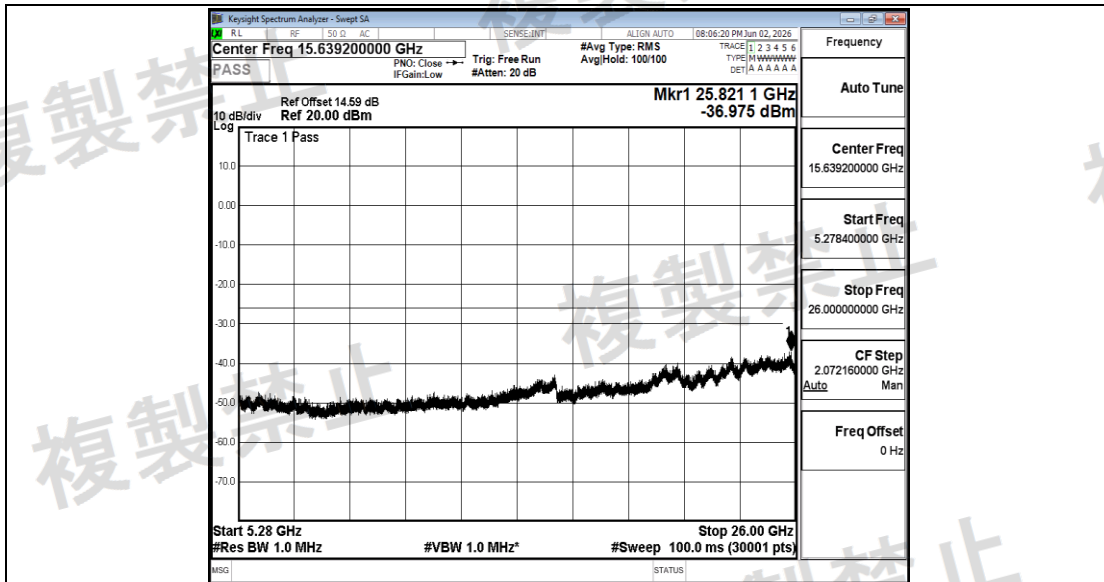
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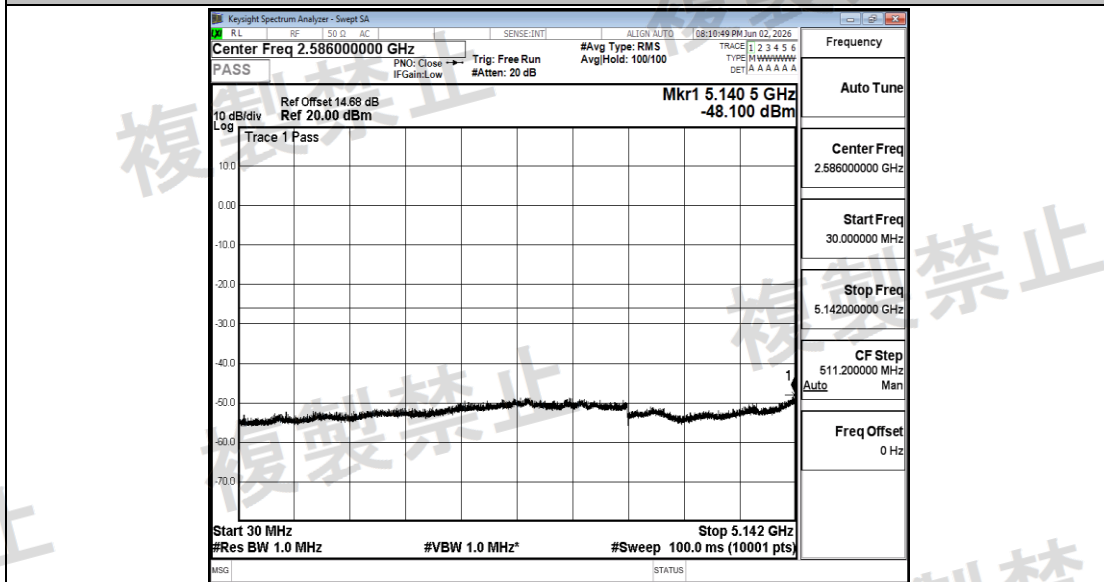
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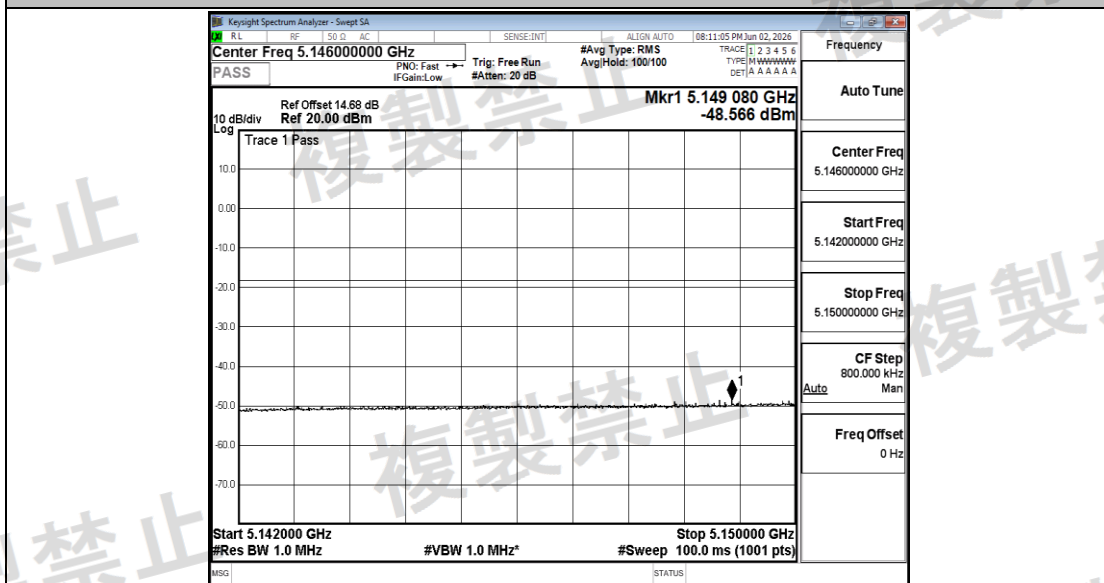
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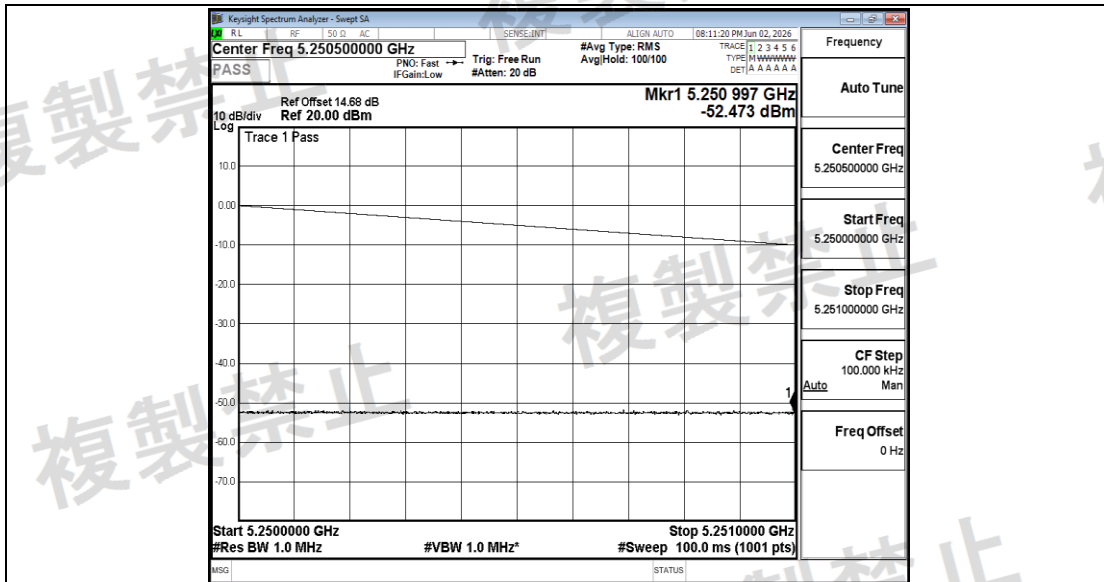
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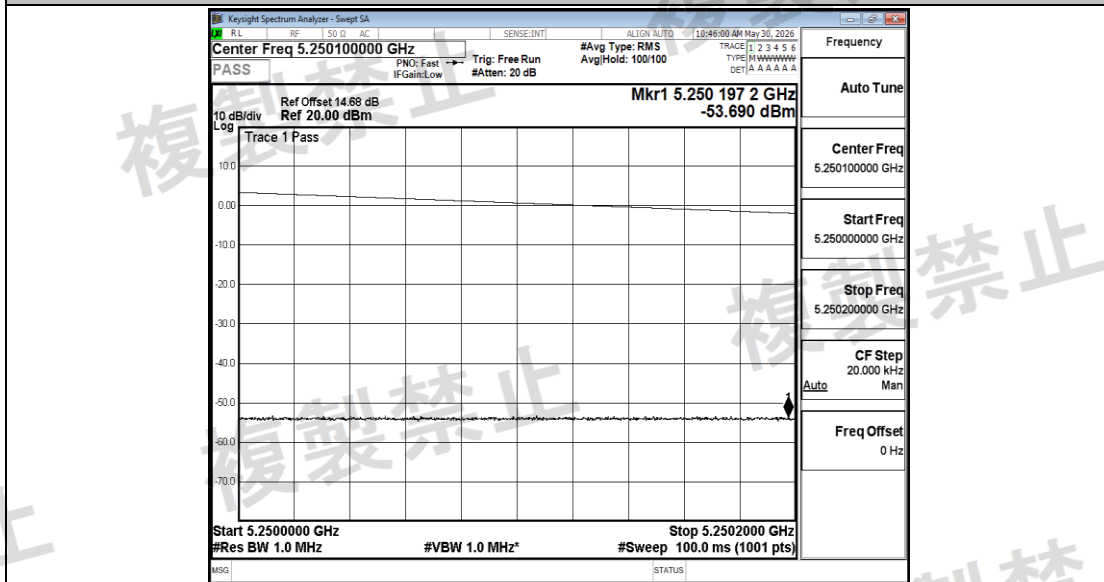
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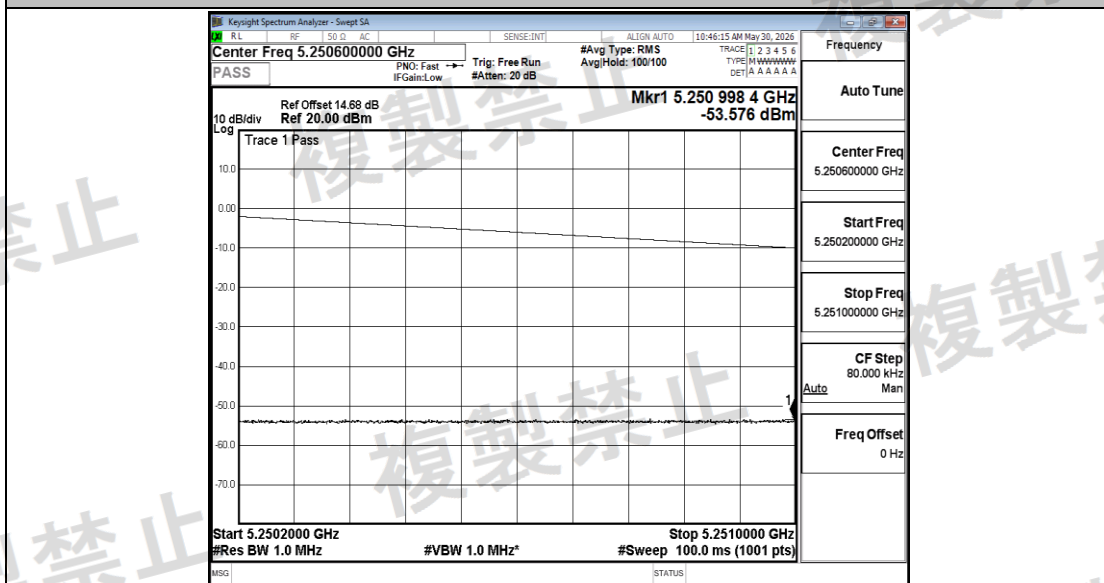
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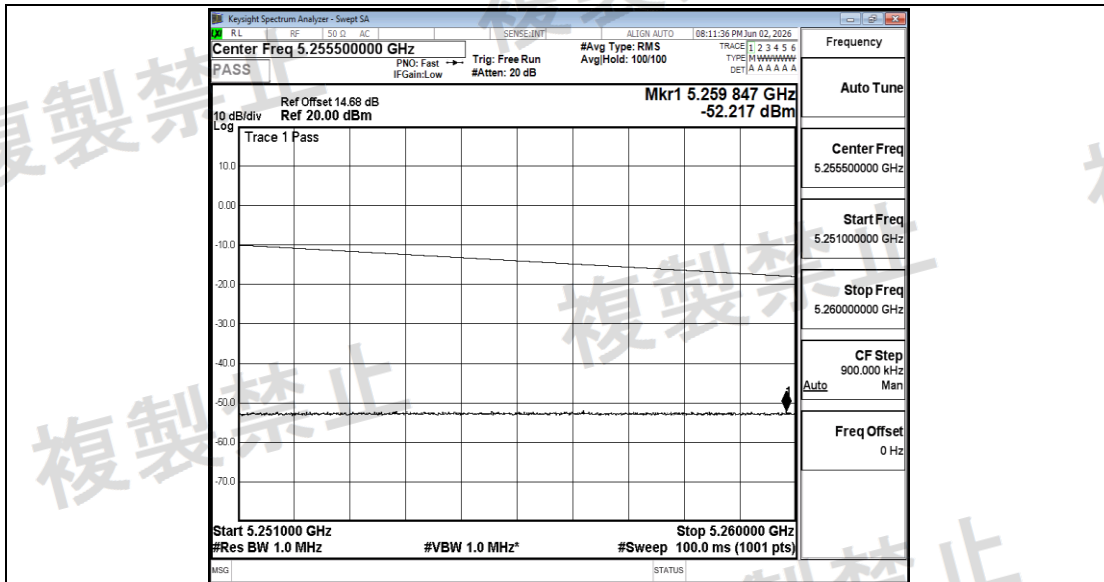
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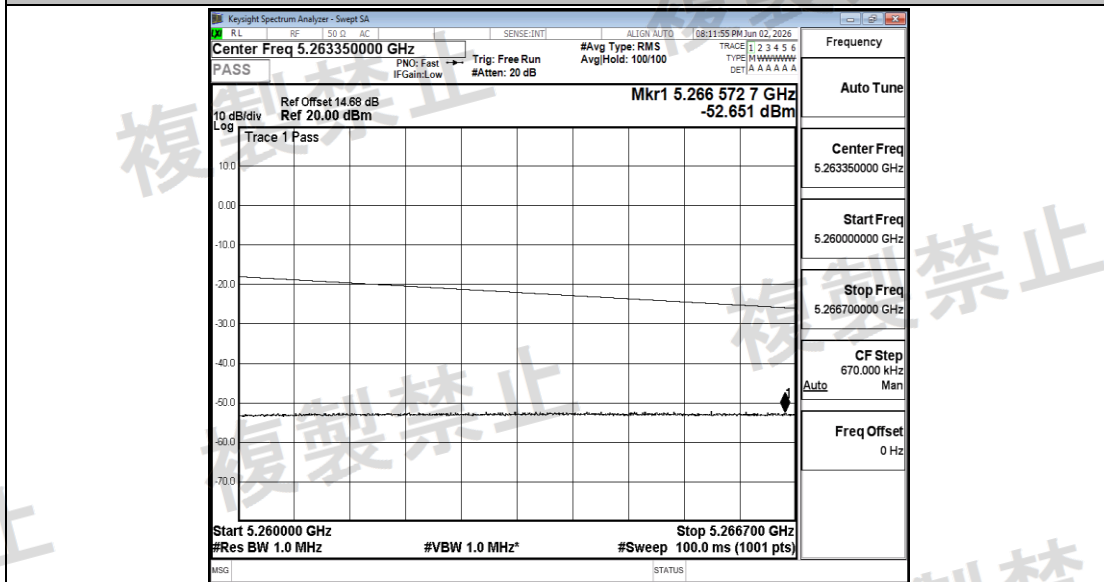
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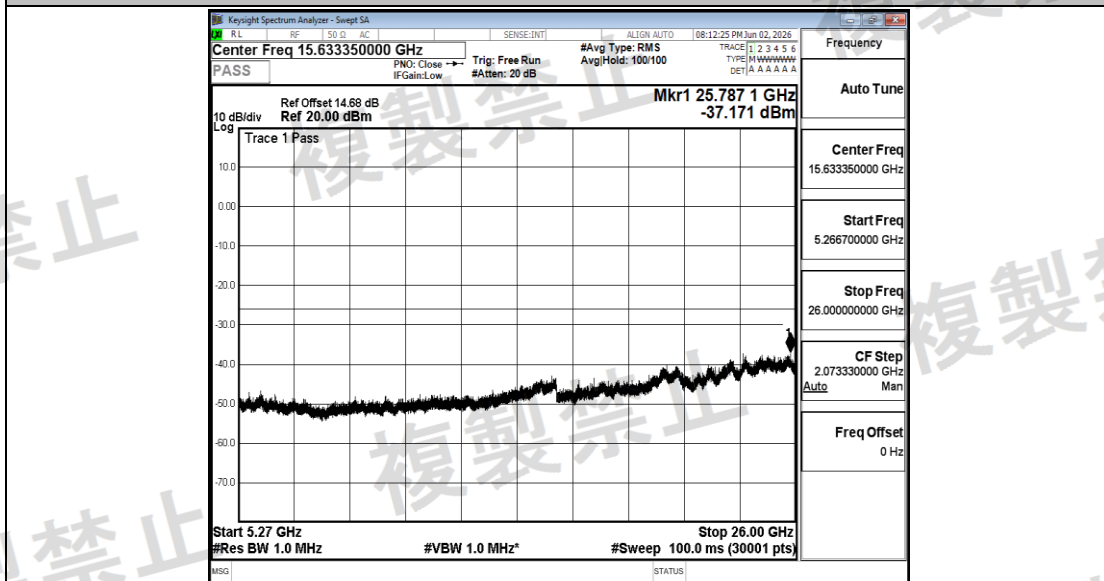
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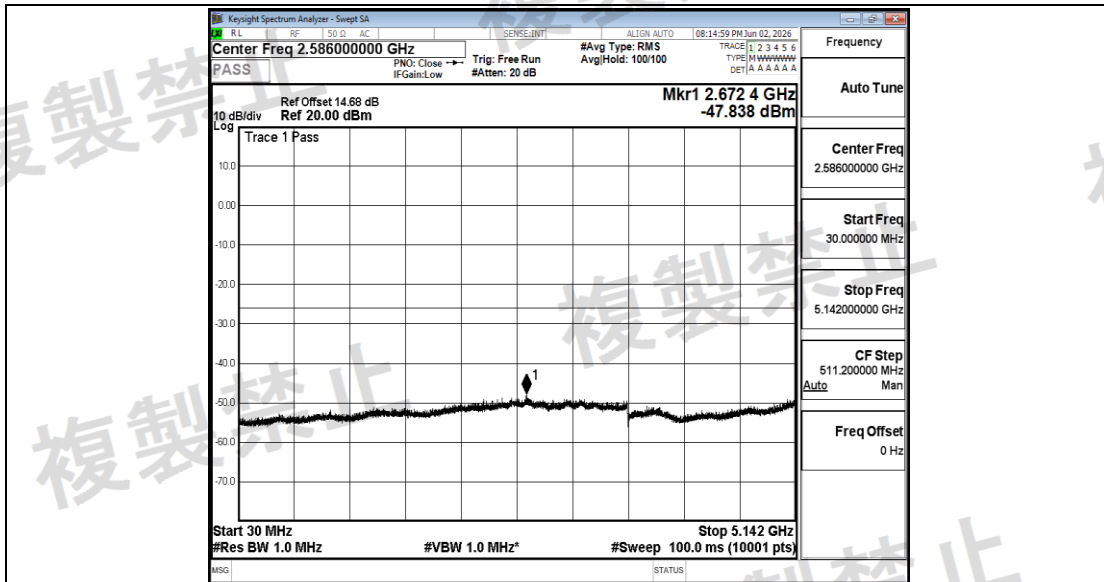
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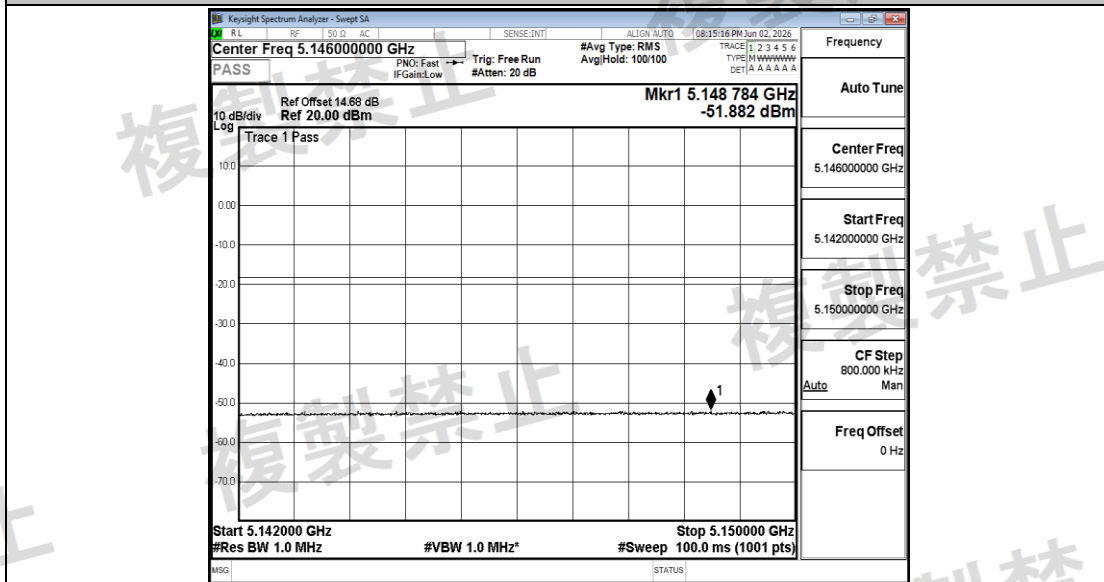
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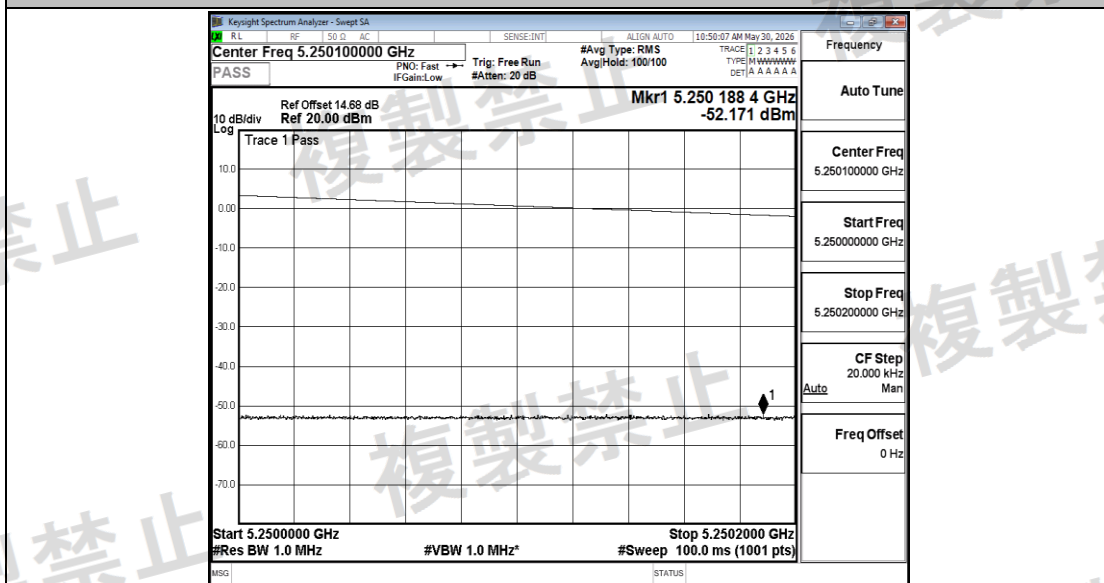
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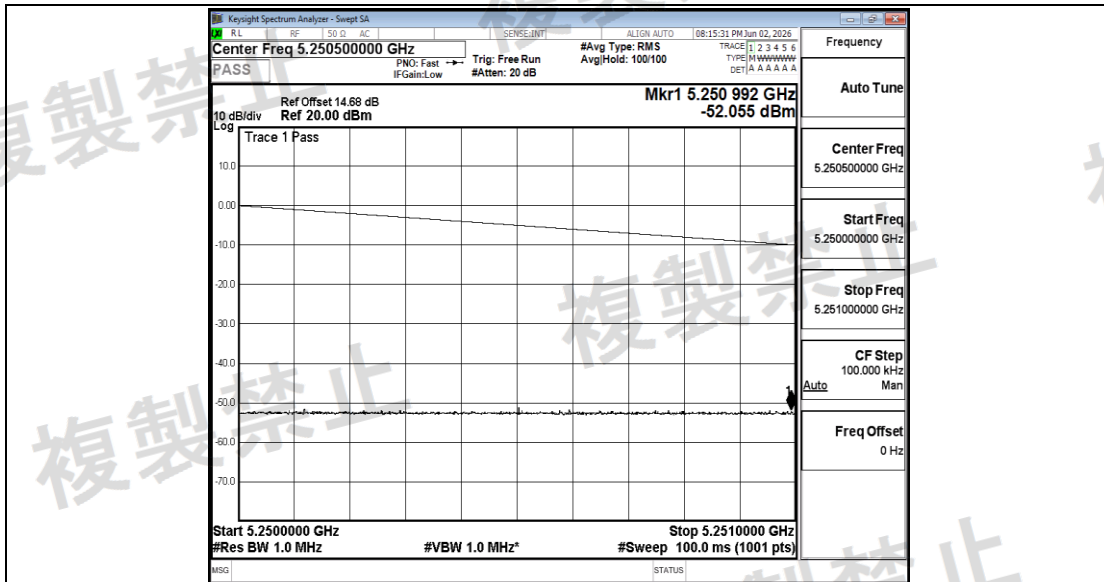
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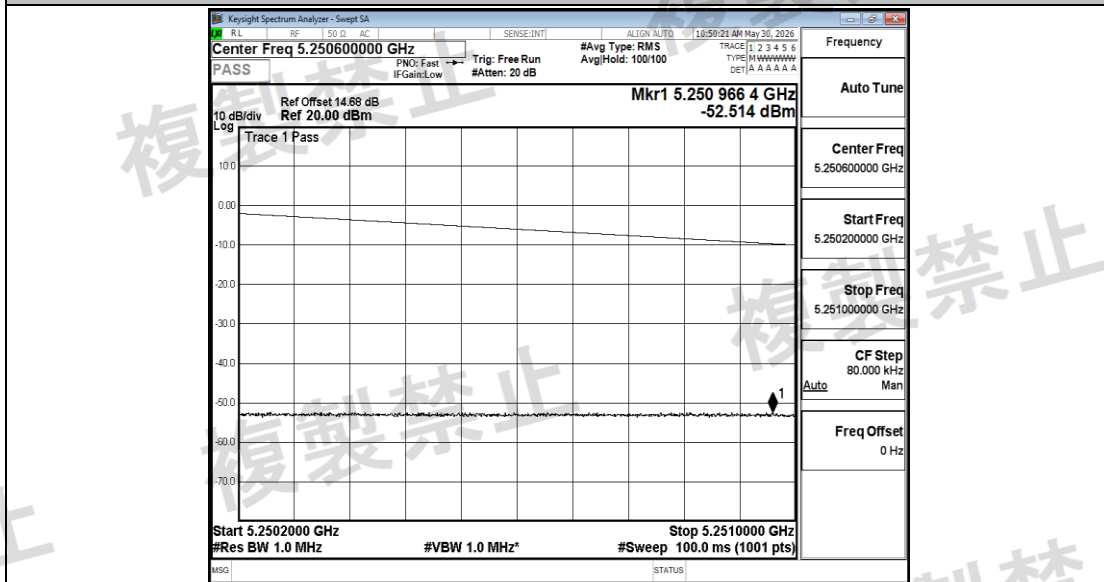
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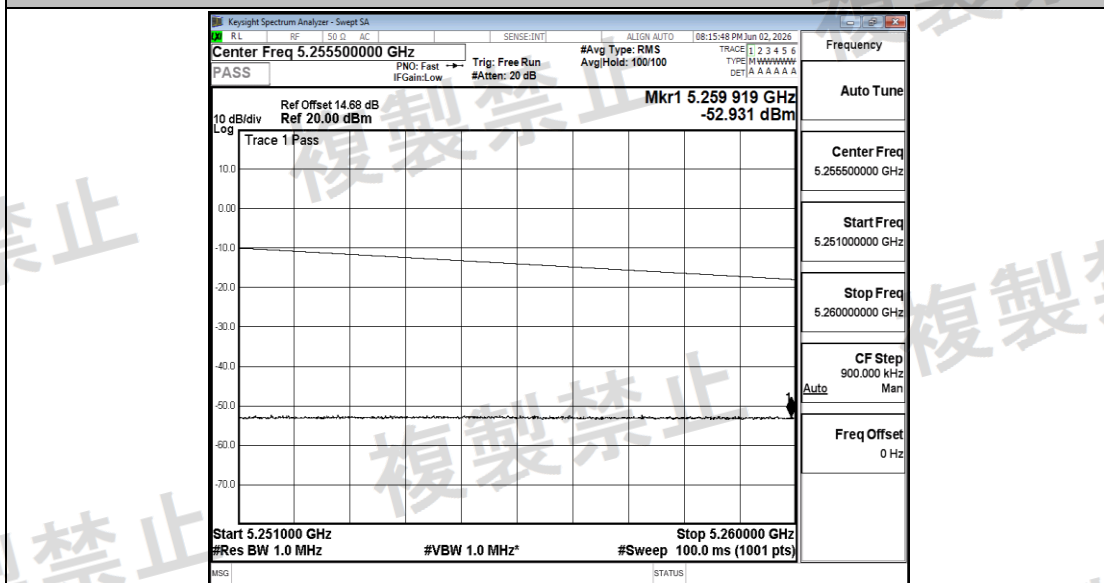
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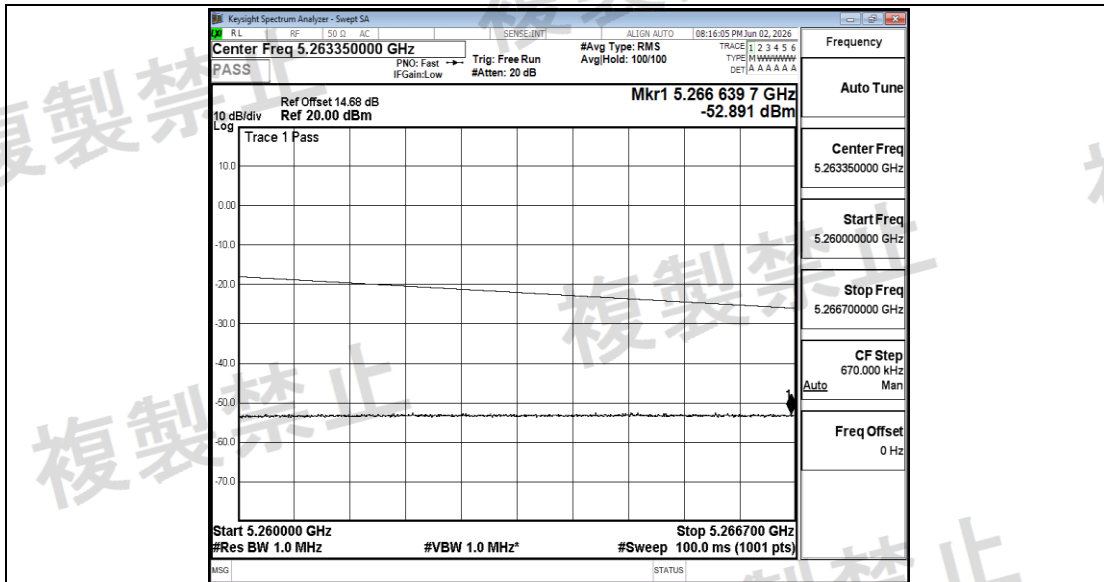
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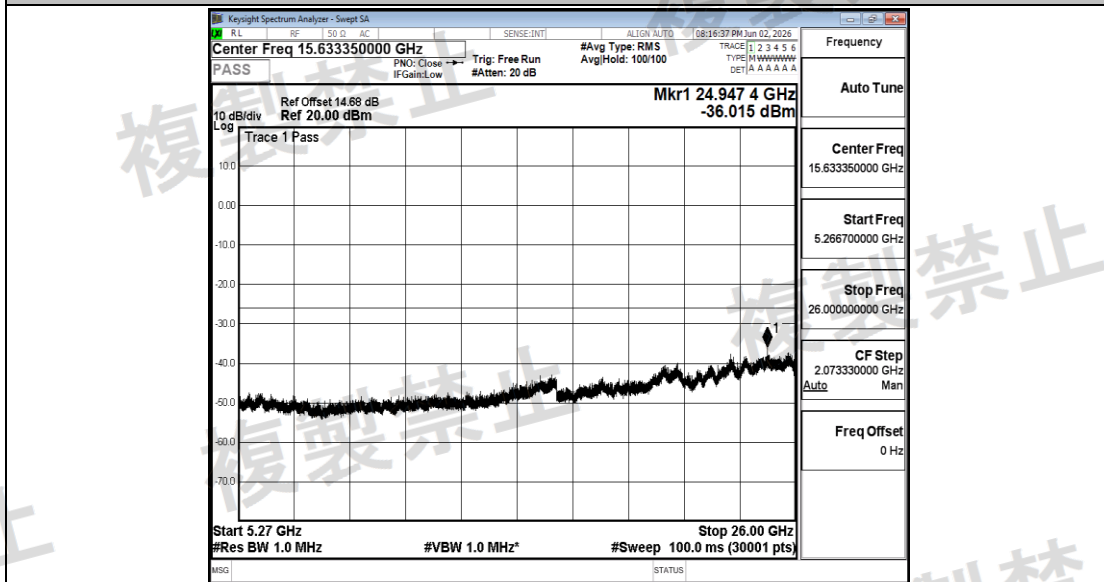
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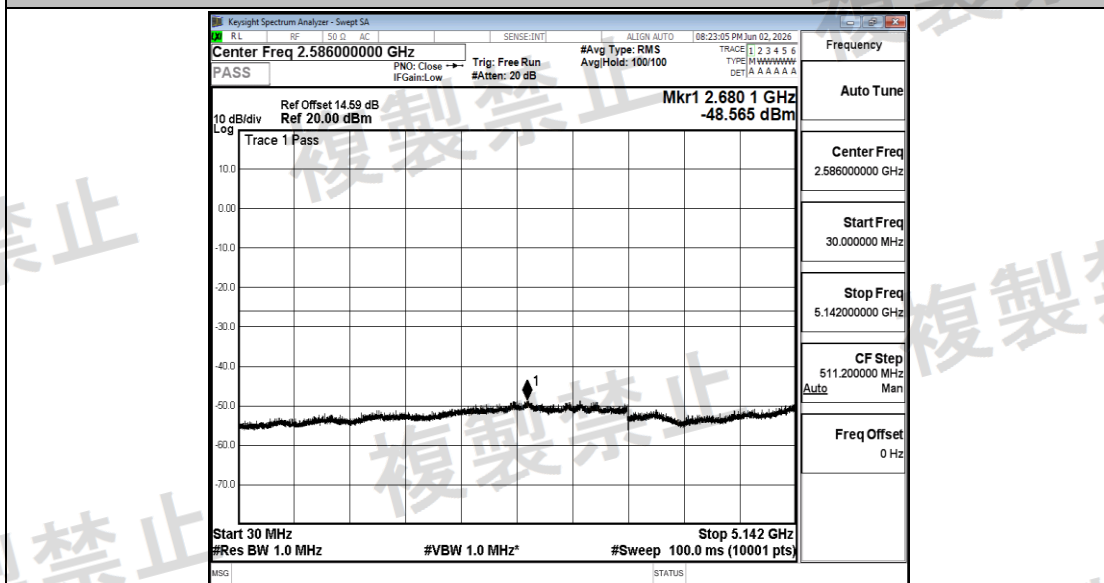
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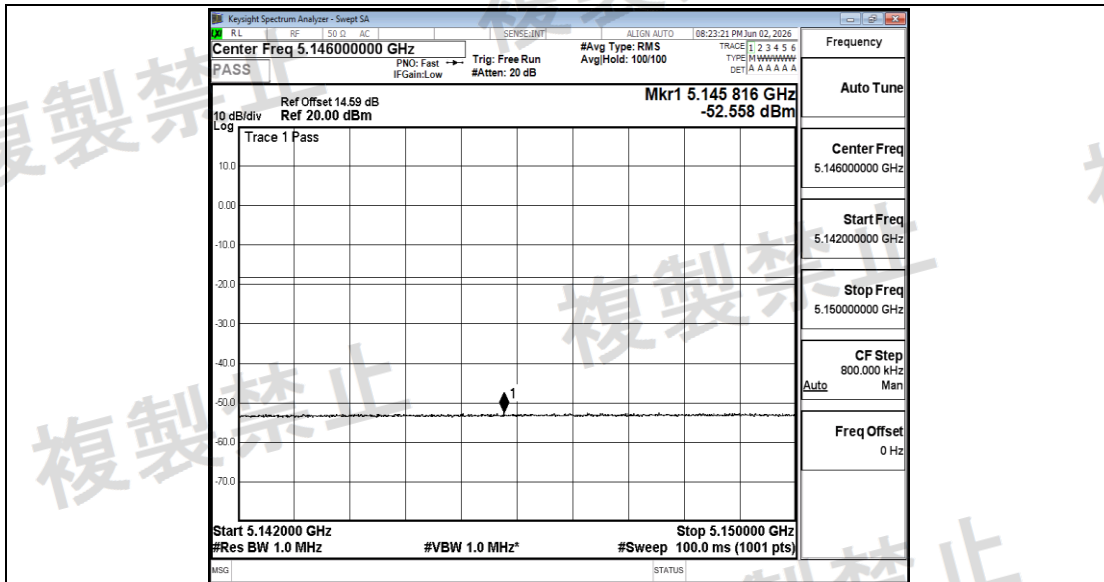
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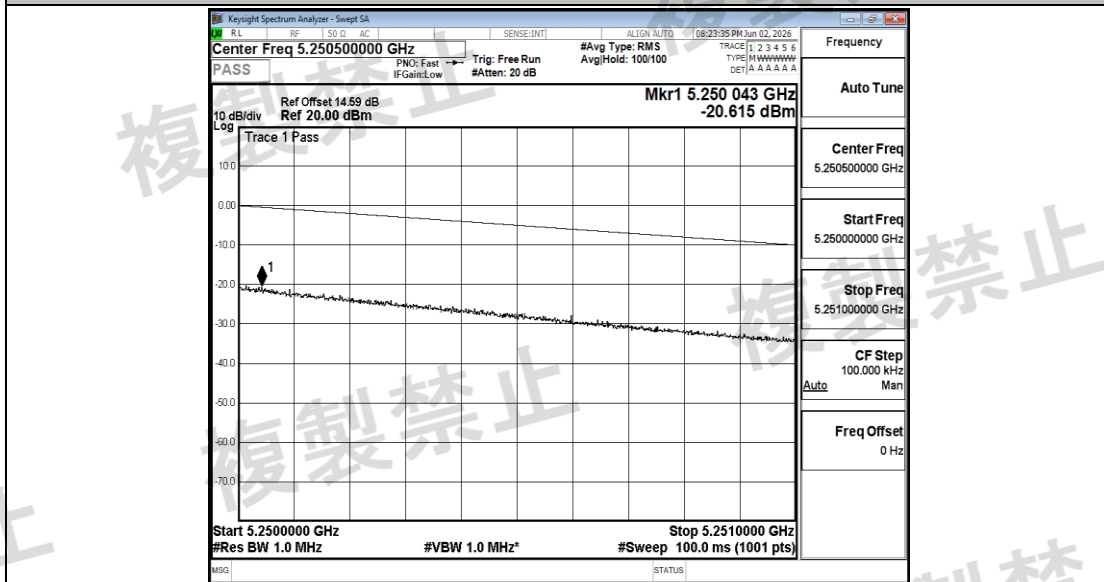
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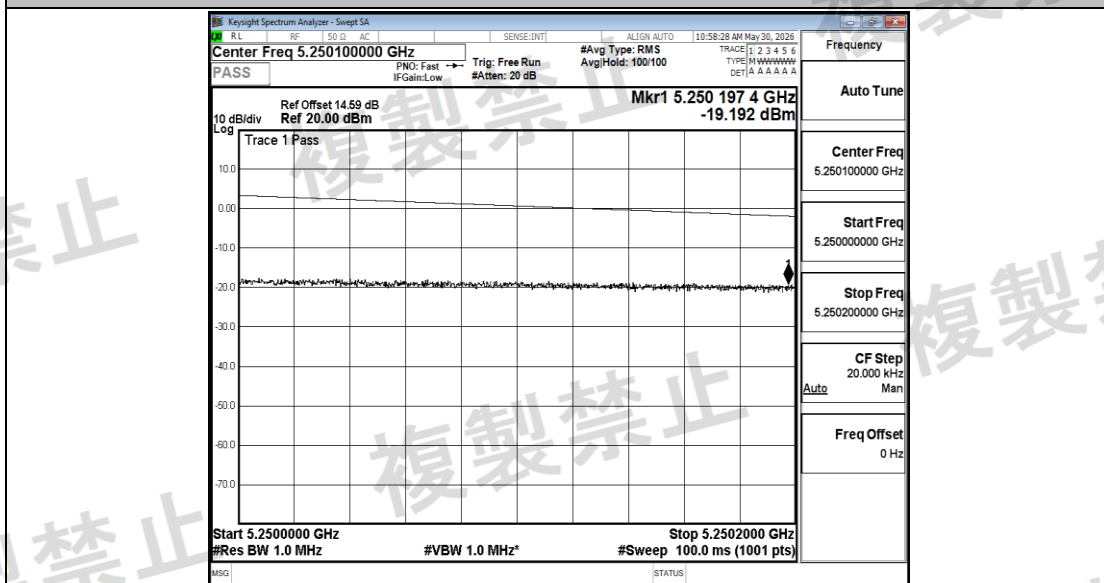
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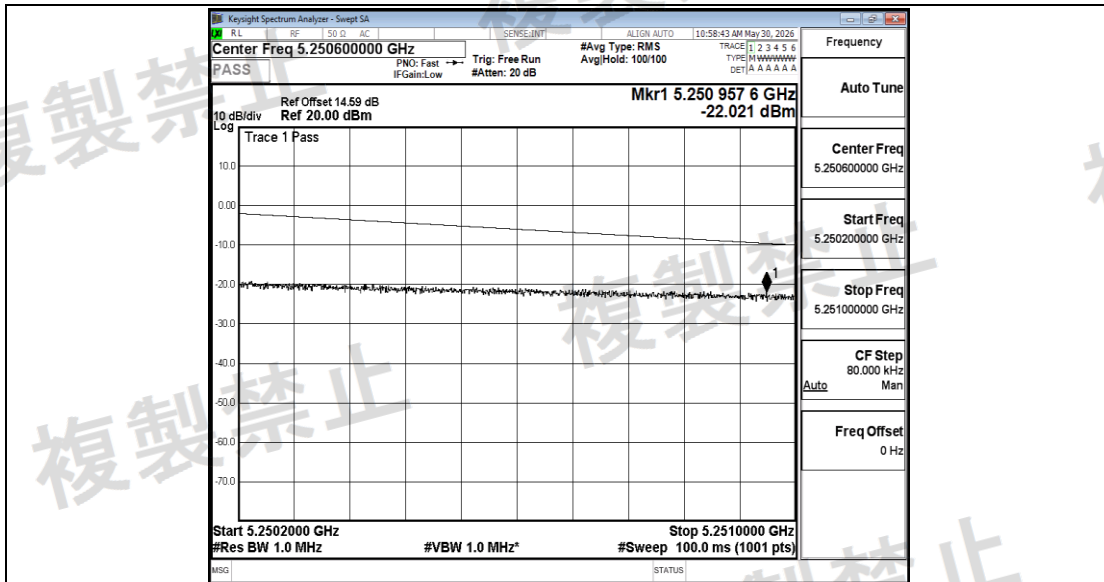
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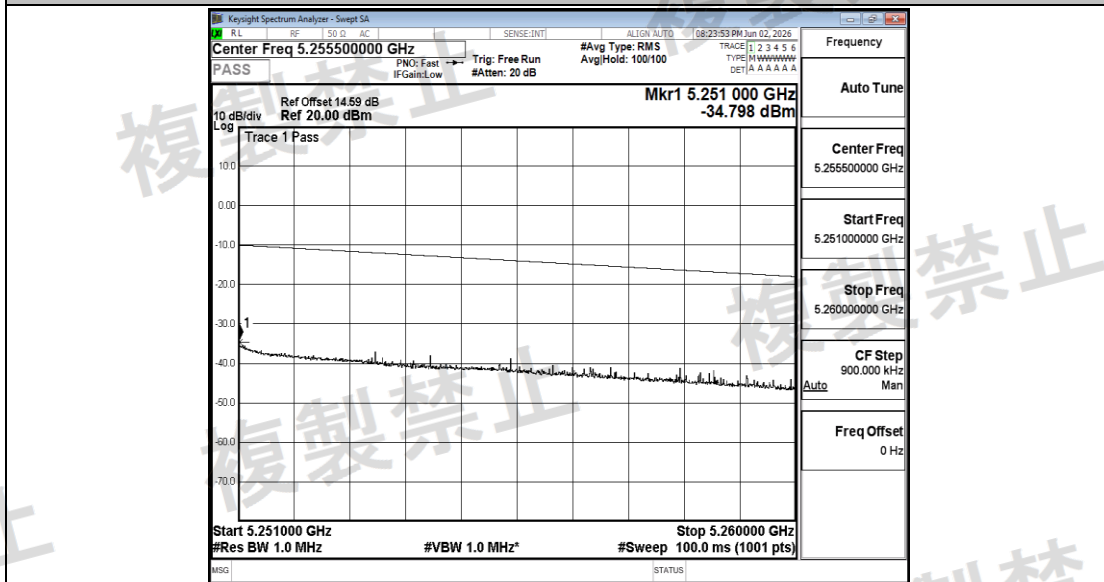
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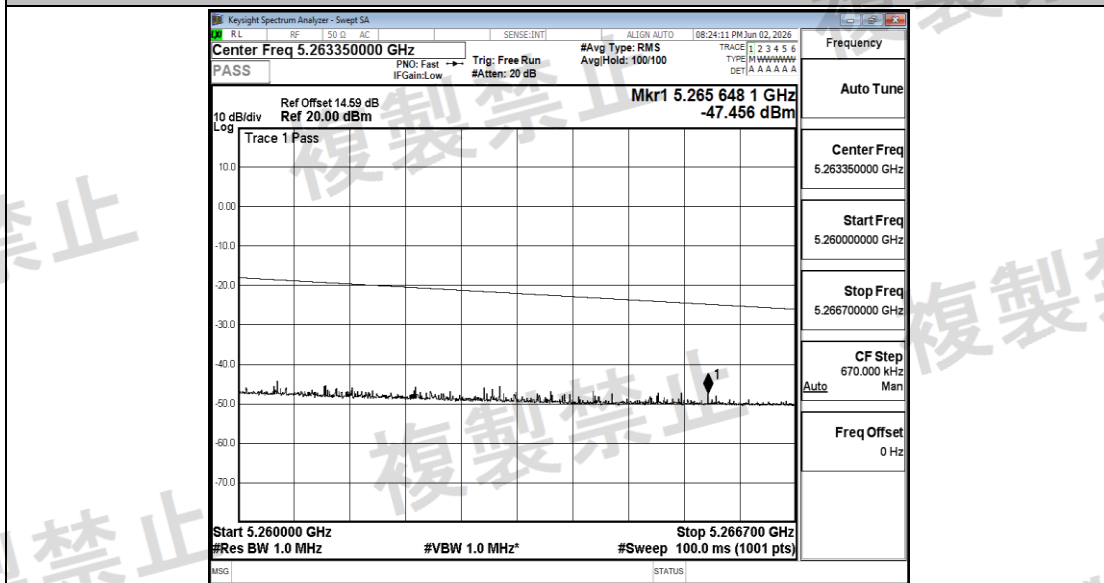
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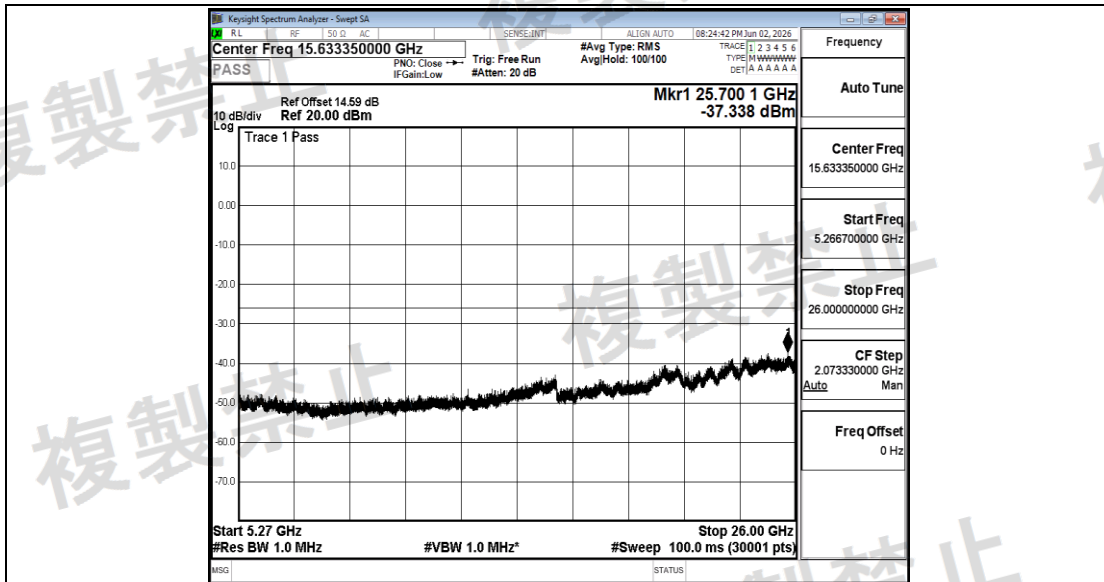
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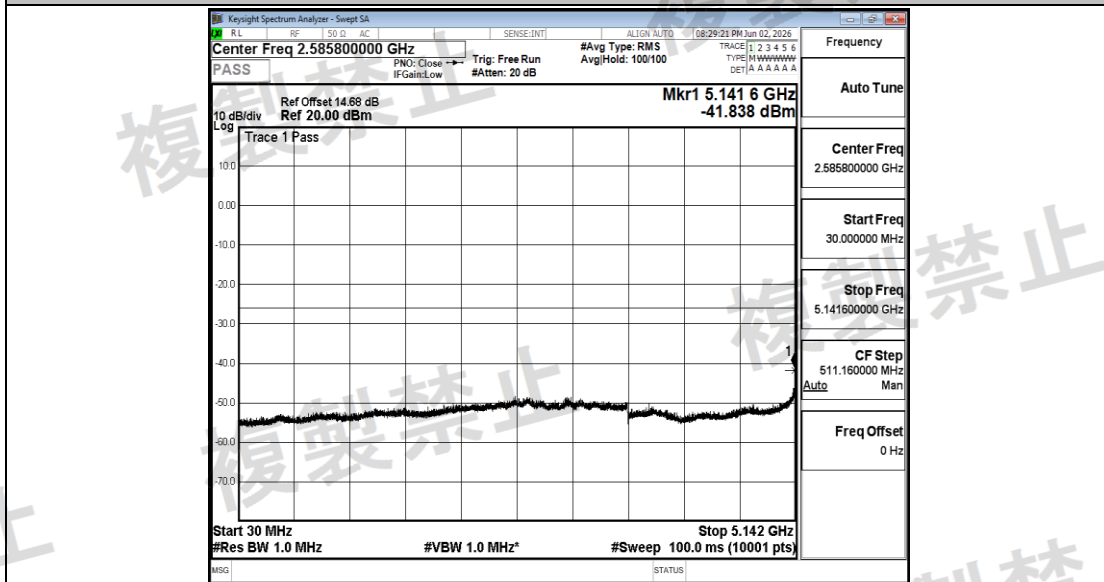
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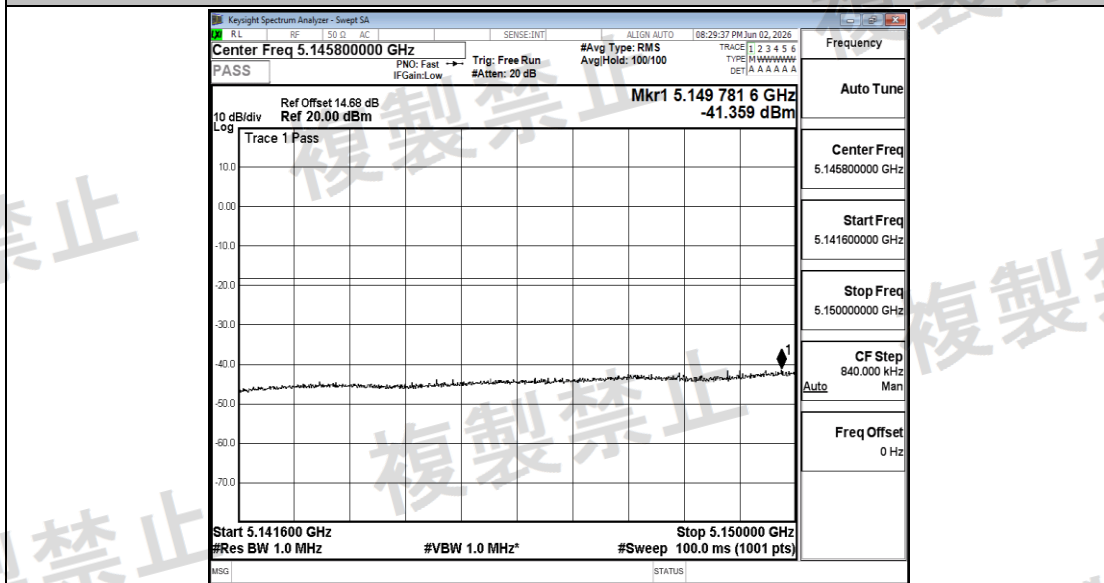
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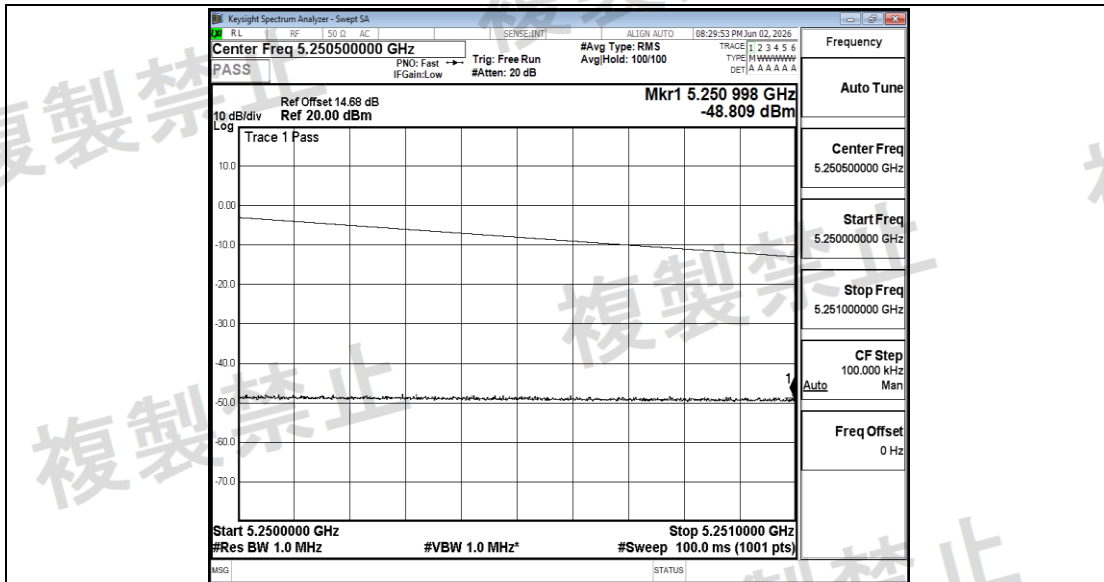
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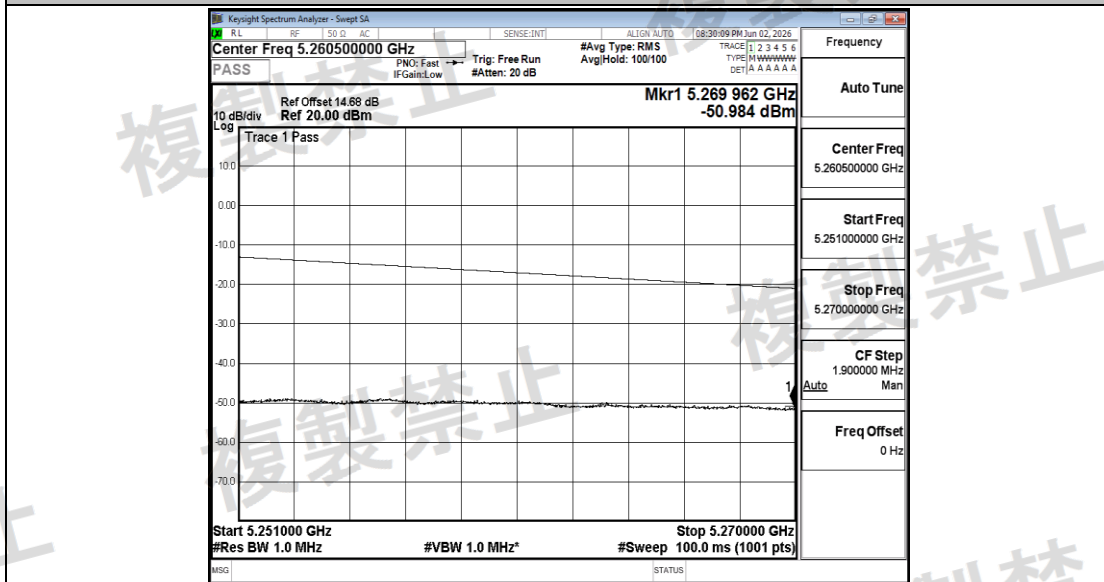
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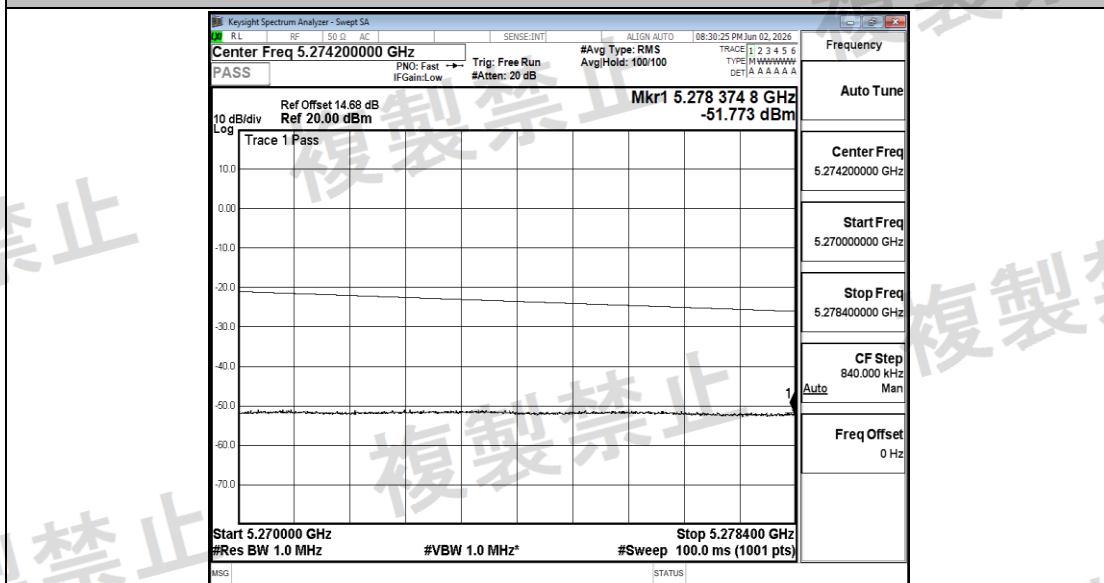
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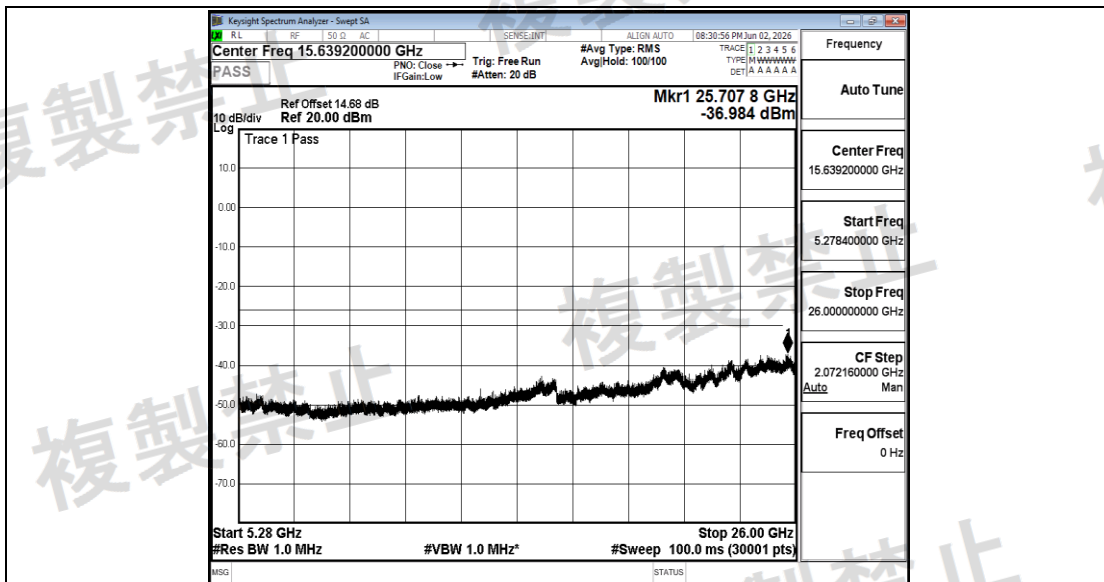
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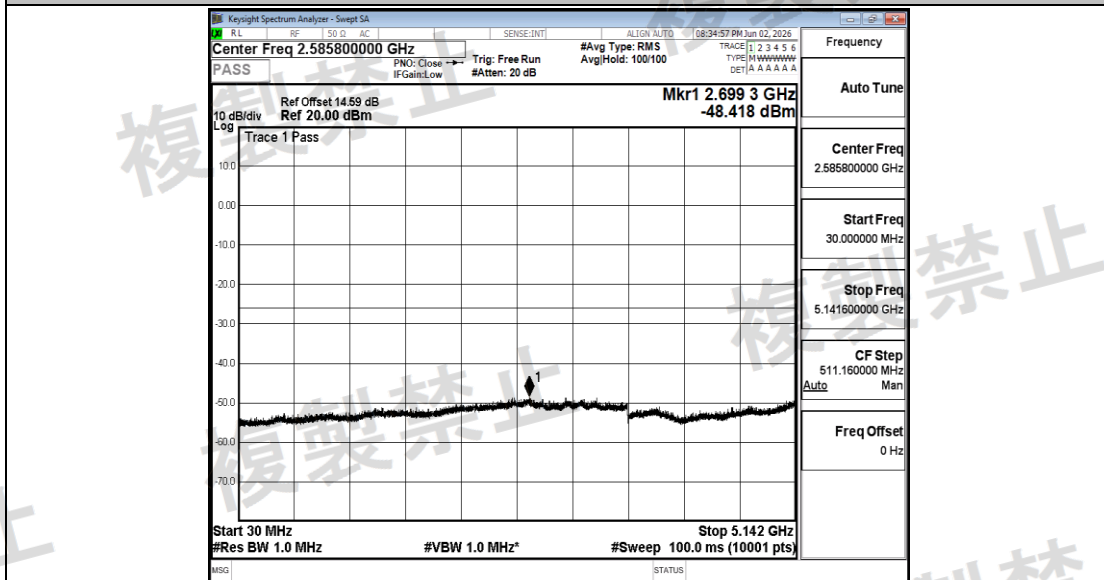
NTNV_11AC40SISO_Ant1_5190_5270~5278.4



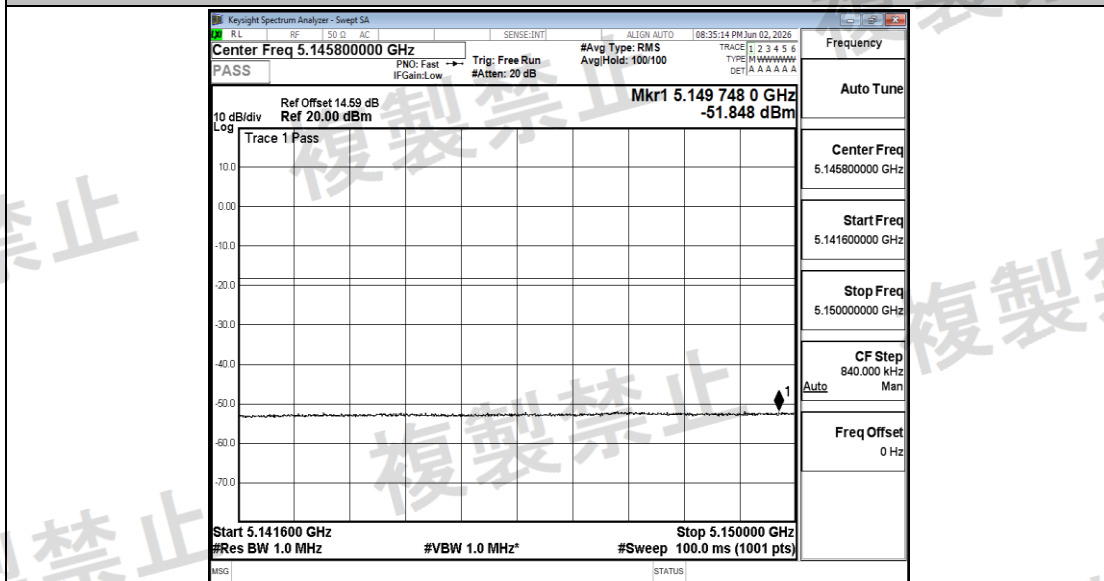
NTNV_11AC40SISO_Ant1_5190_5278.4~26000



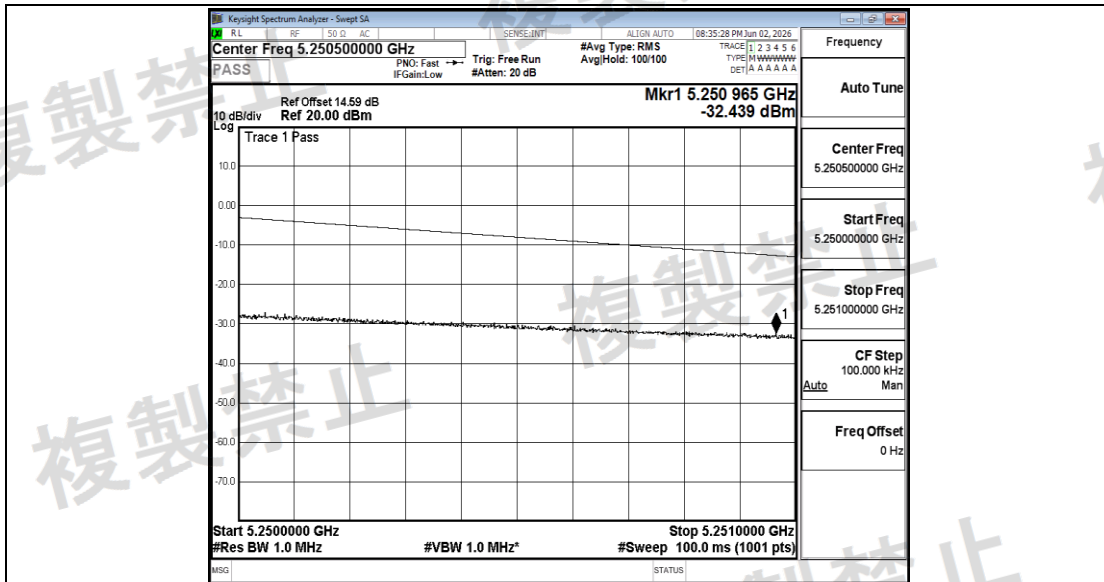
NTNV_11AC40SISO_Ant1_5230_30~5141.6



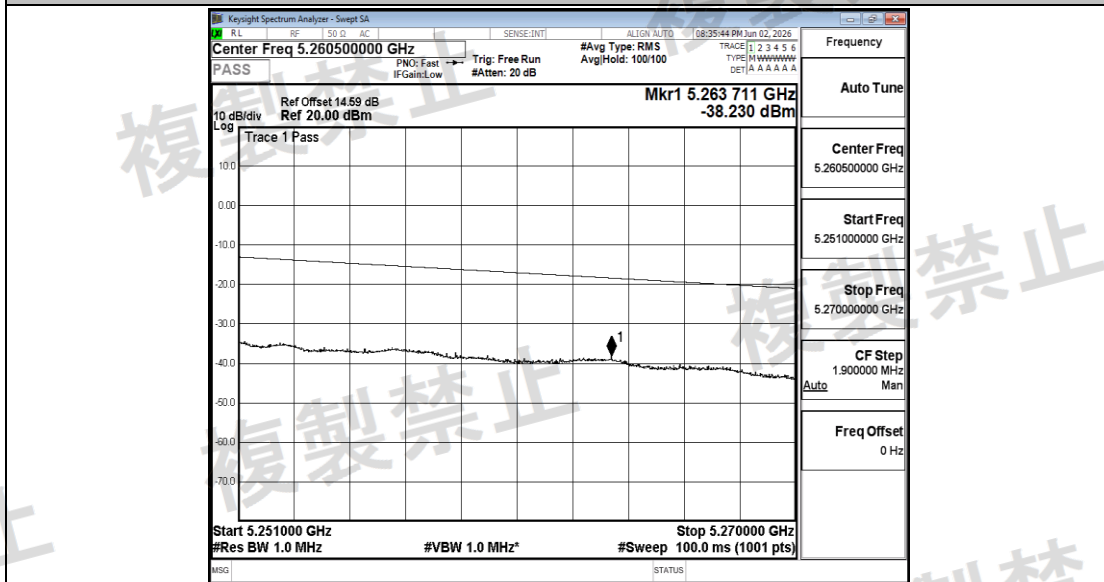
NTNV_11AC40SISO_Ant1_5230_5141.6~5150



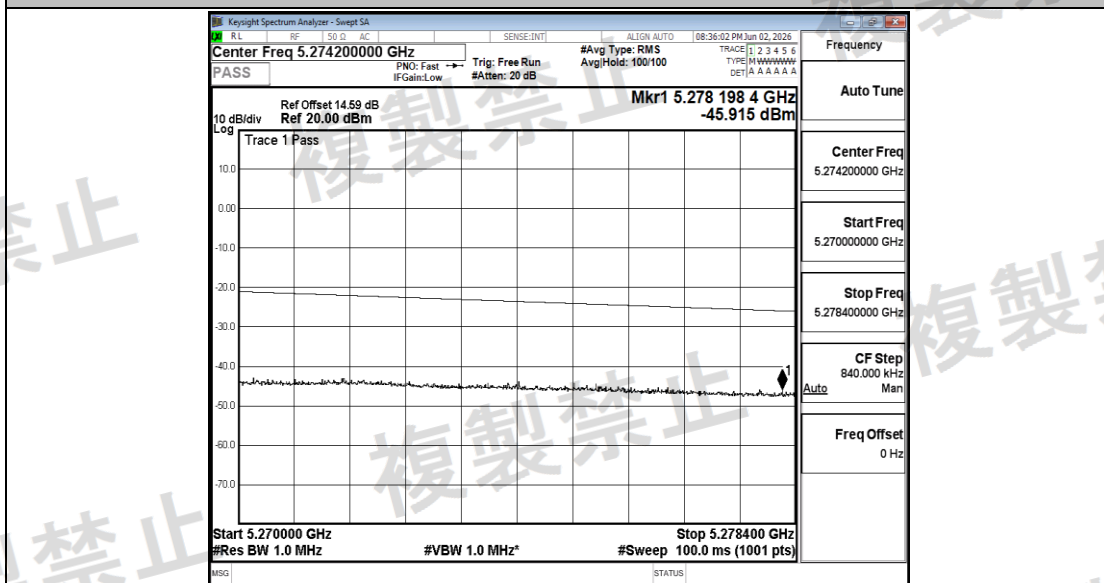
NTNV_11AC40SISO_Ant1_5230_5250~5251



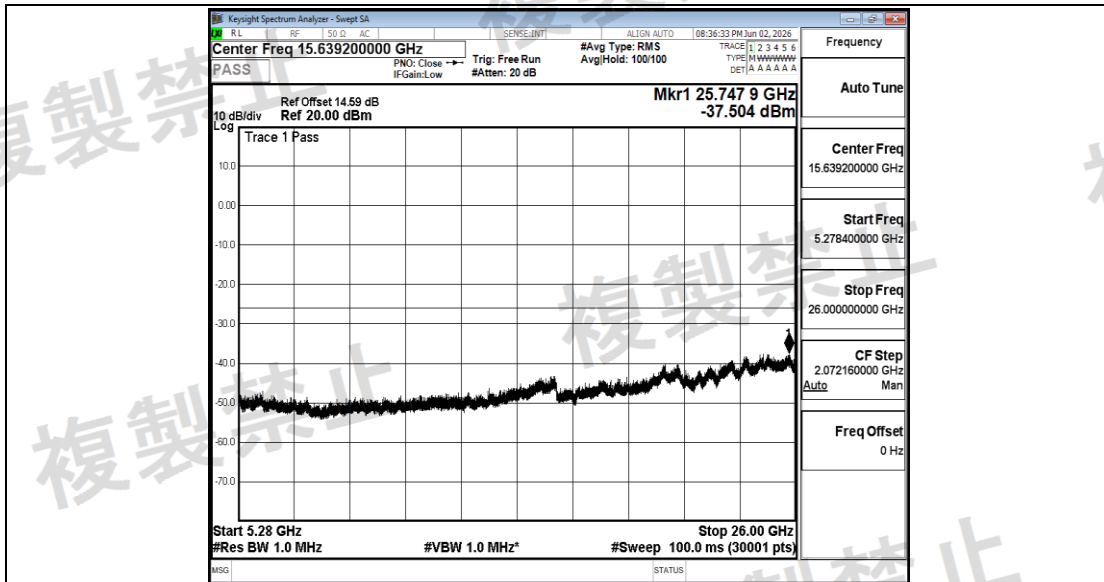
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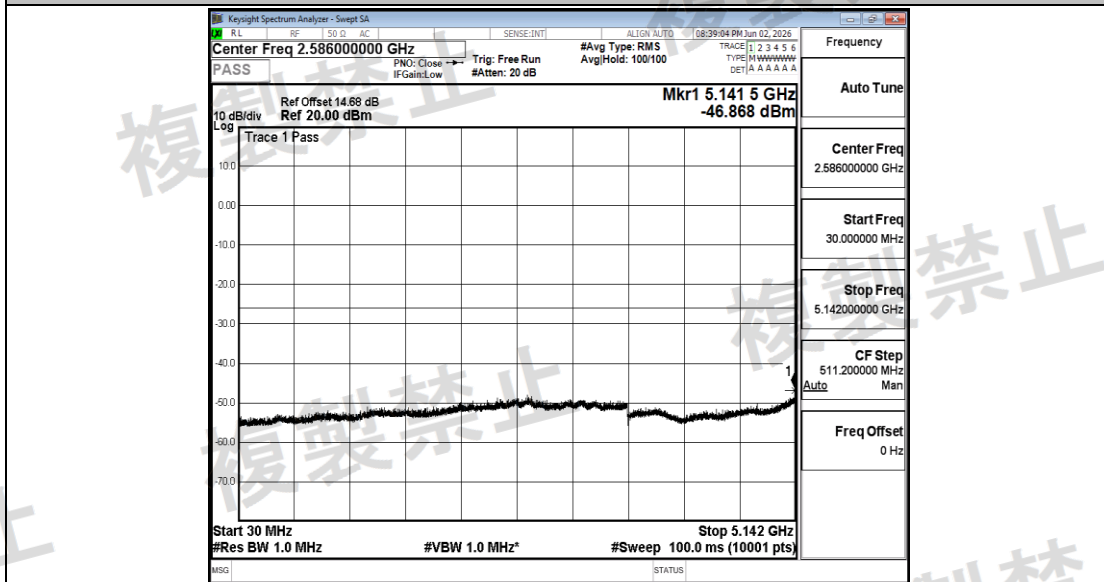
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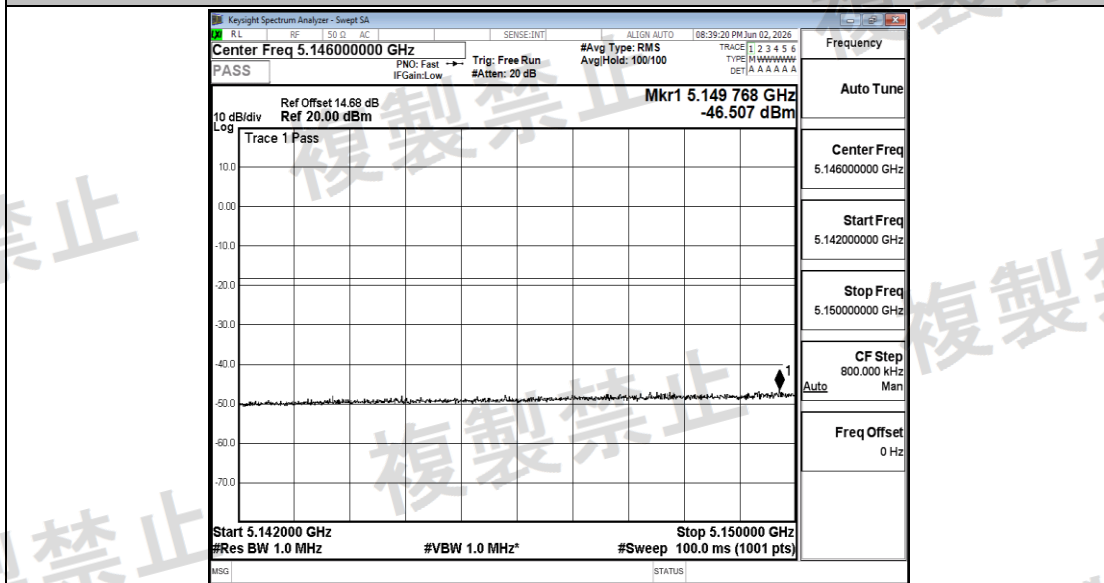
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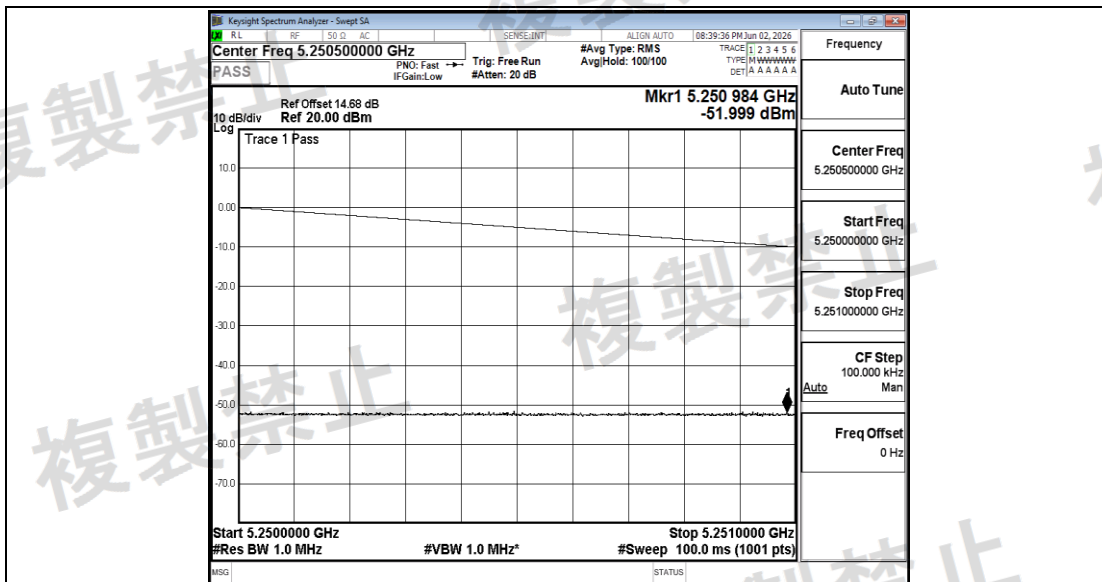
NTNV_11AX20SISO_Ant1_5180_30~5142



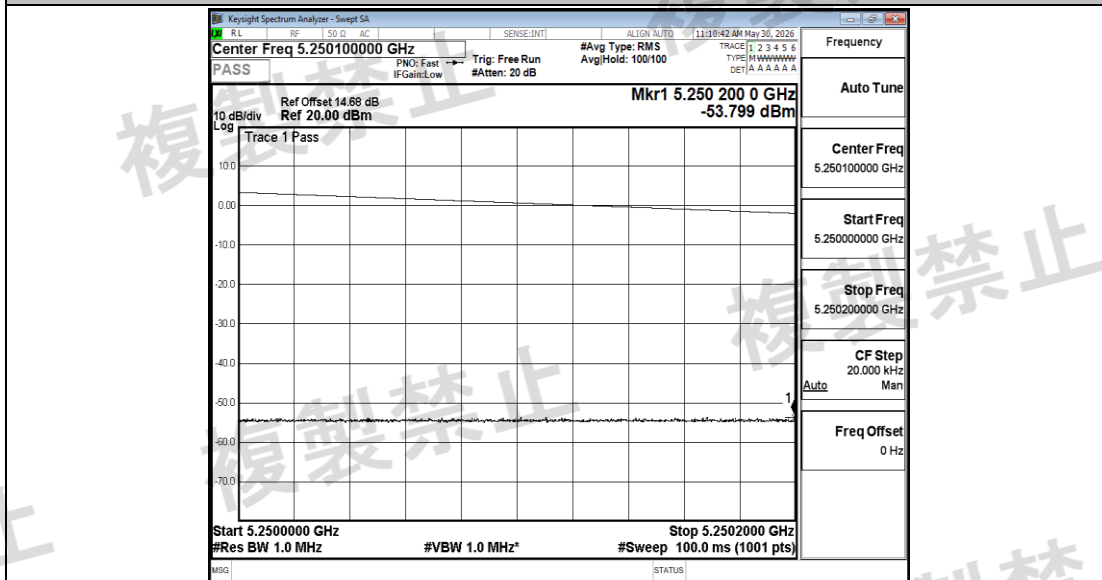
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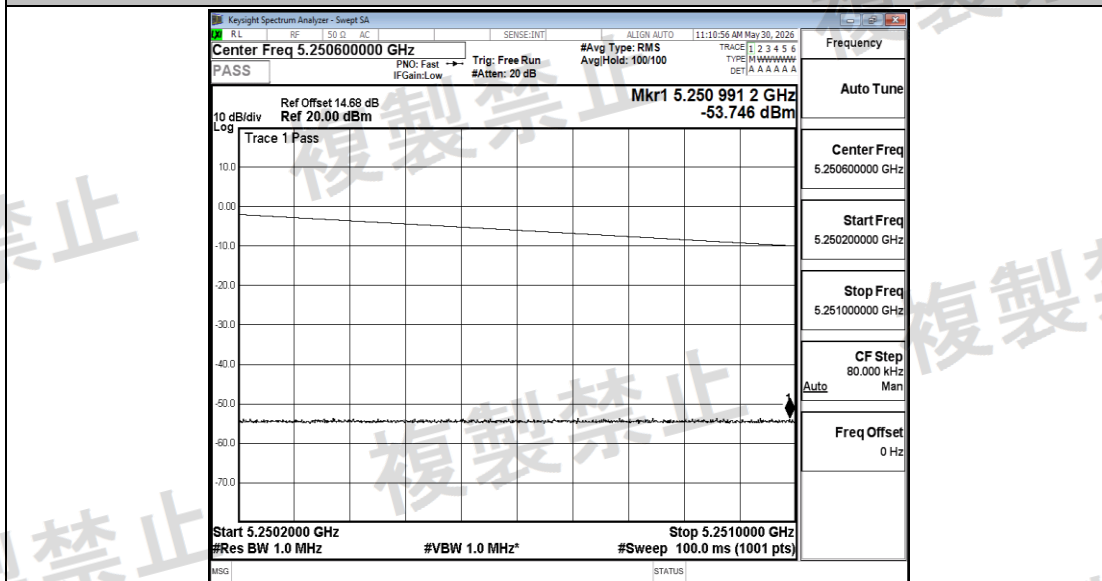
NTNV_11AX20SISO_Ant1_5180_5250~5251



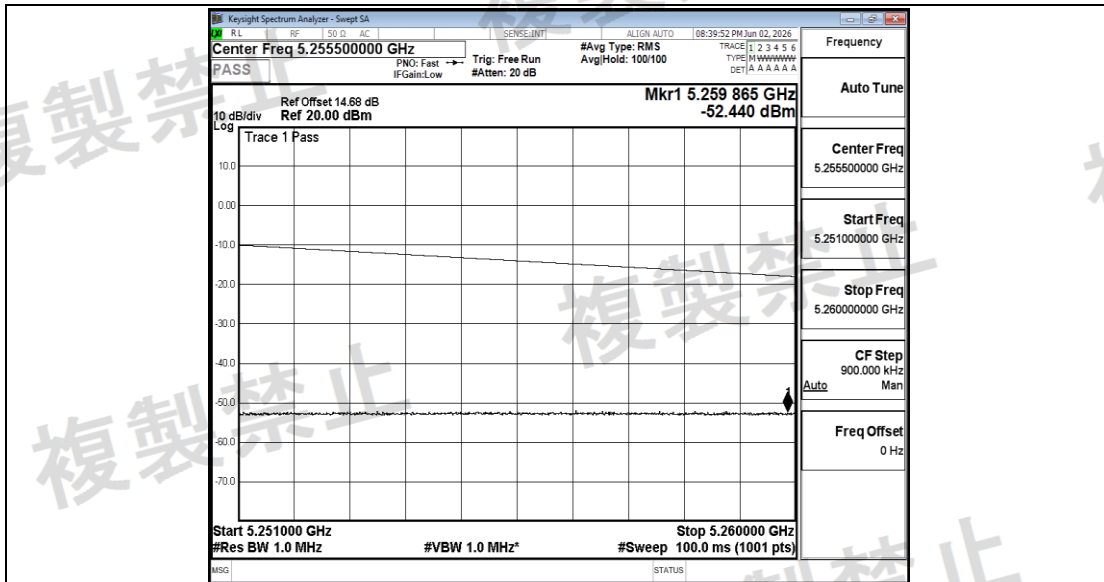
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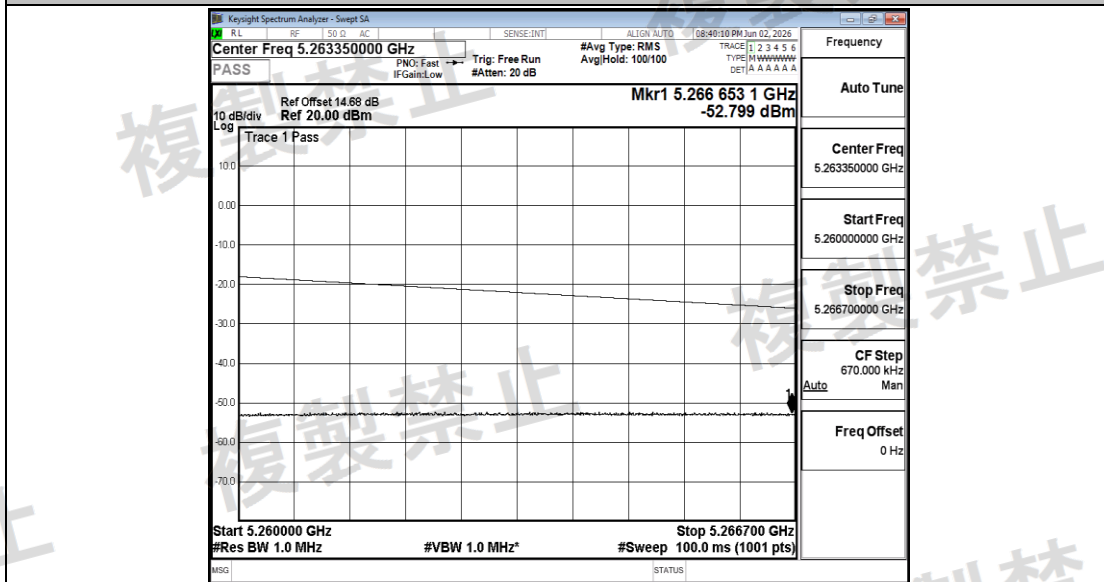
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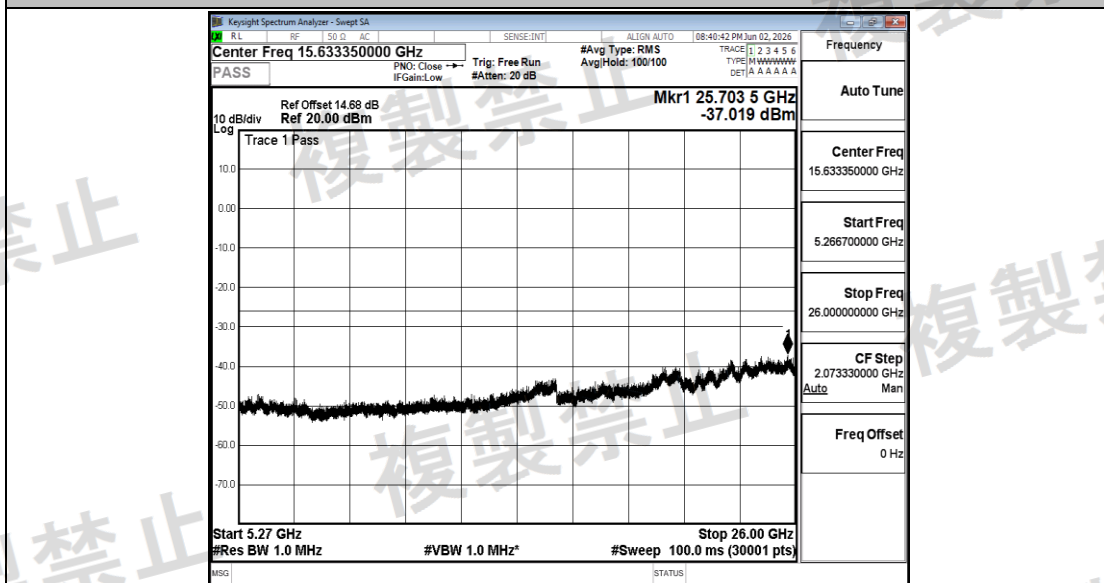
NTNV_11AX20SISO_Ant1_5180_5251~5260



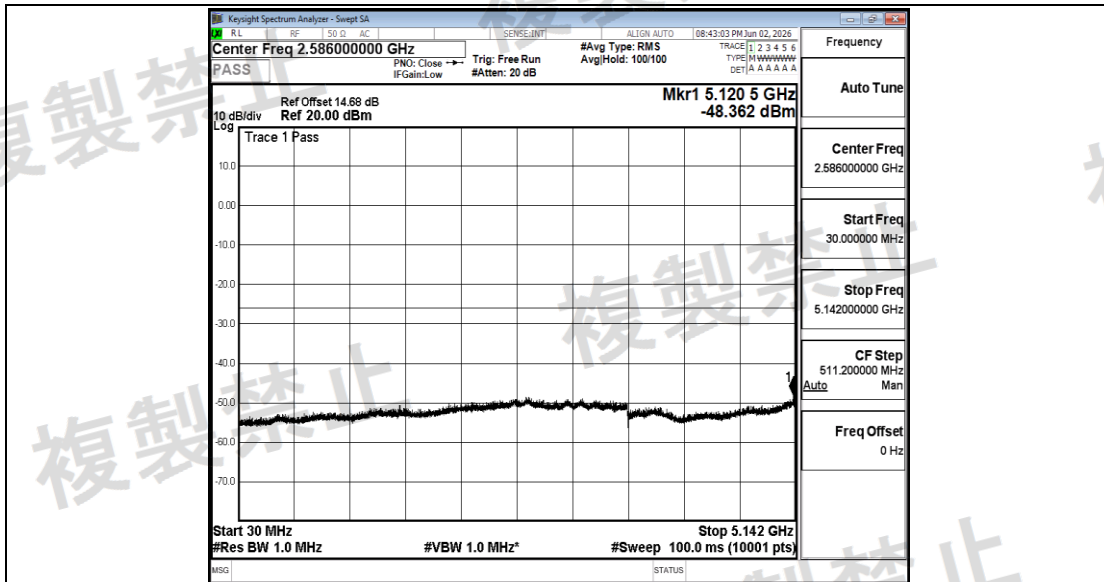
NTNV_11AX20SISO_Ant1_5180_5260~5266.7



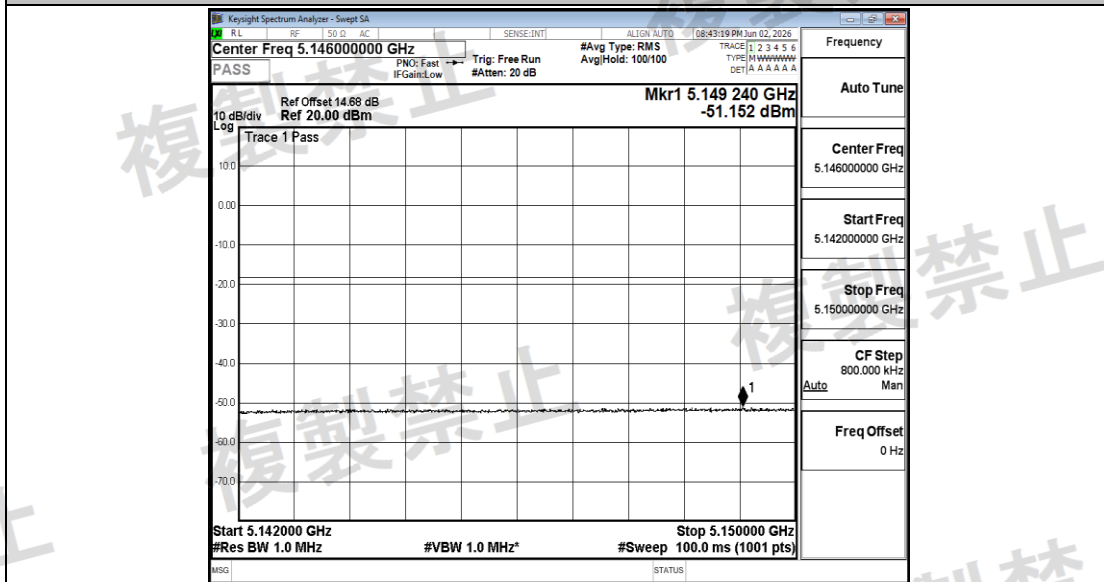
NTNV_11AX20SISO_Ant1_5180_5266.7~26000



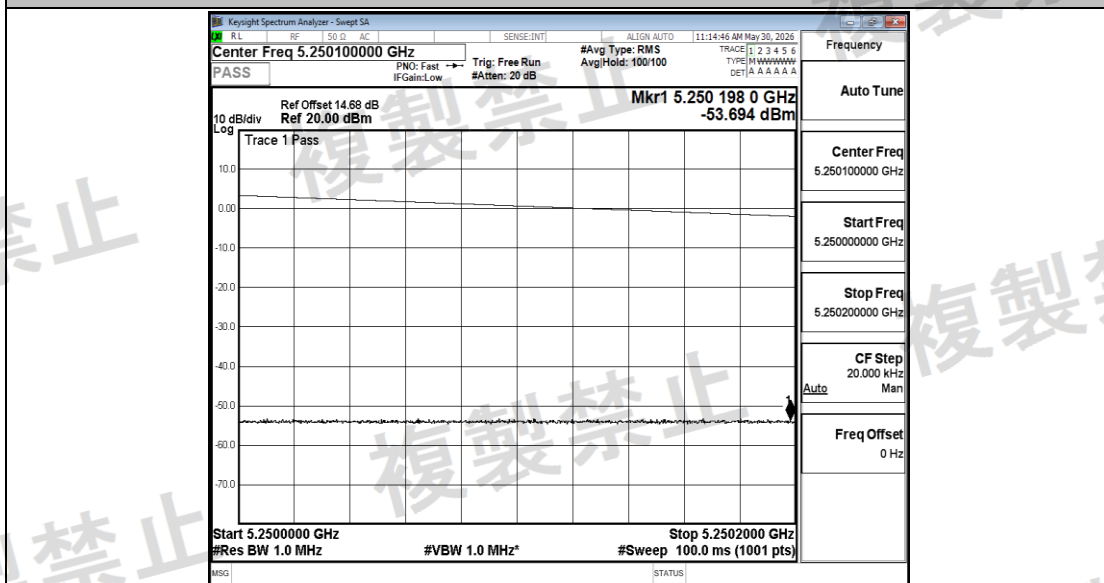
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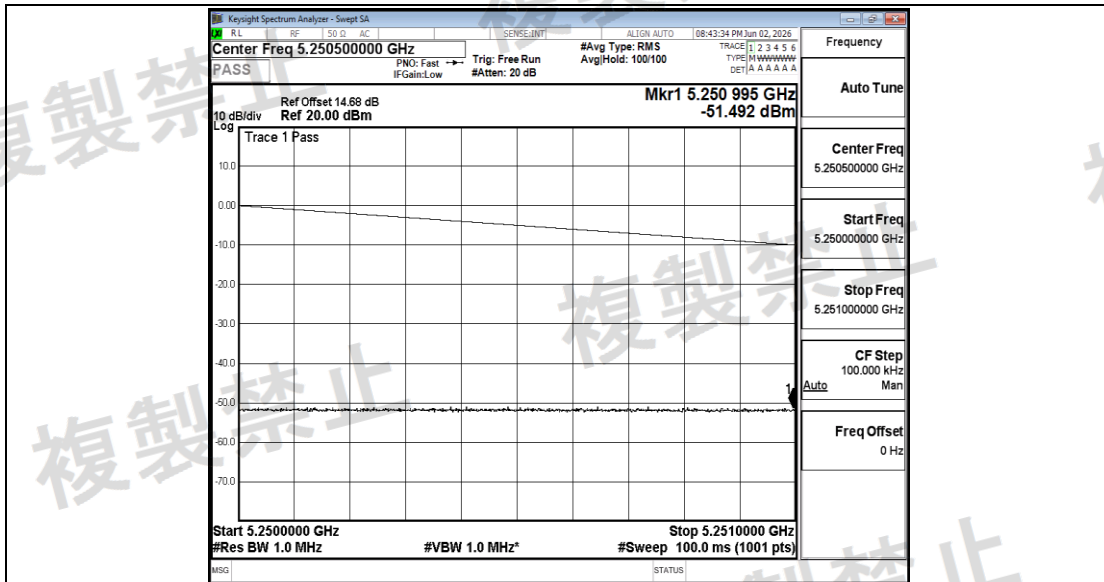
NTNV_11AX20SISO_Ant1_5200_5142~5150



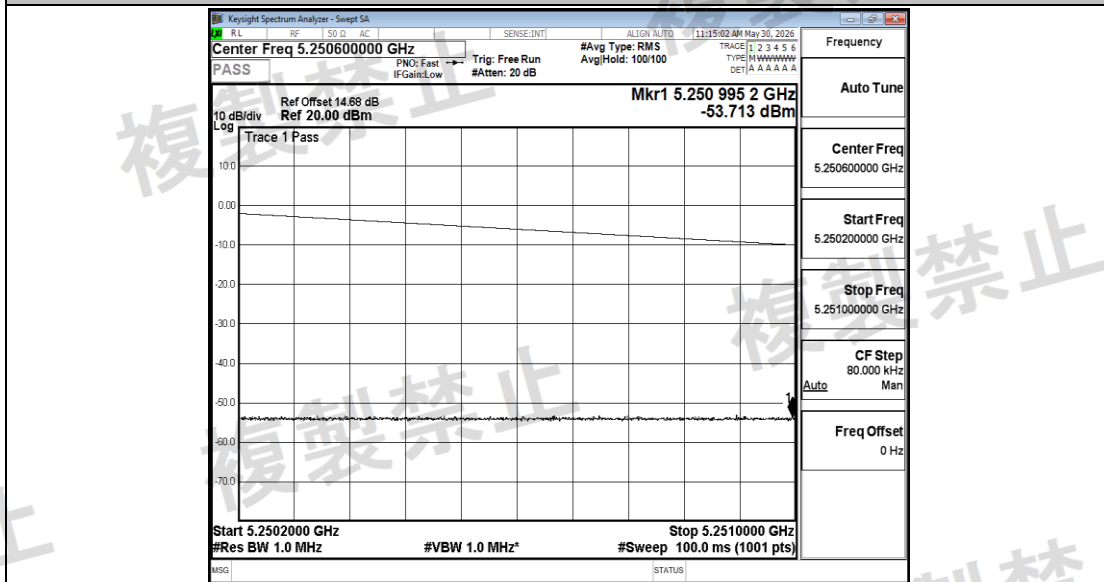
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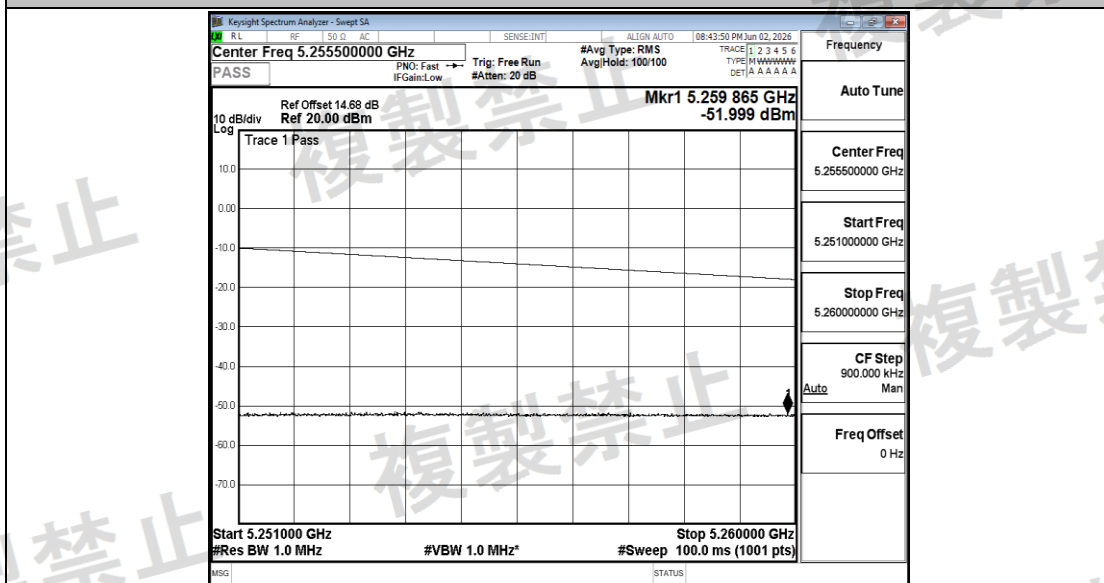
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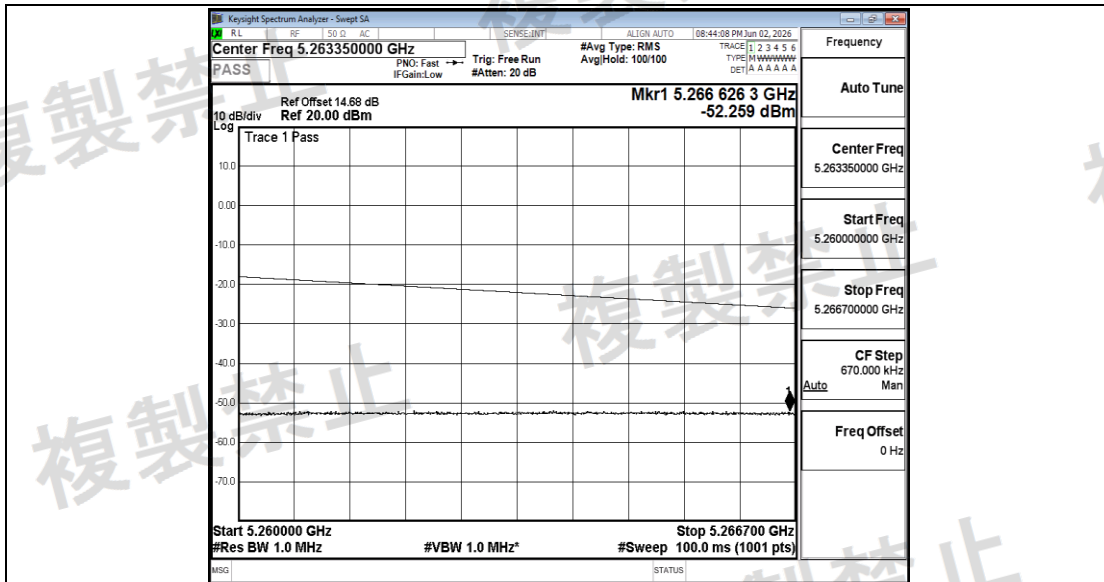
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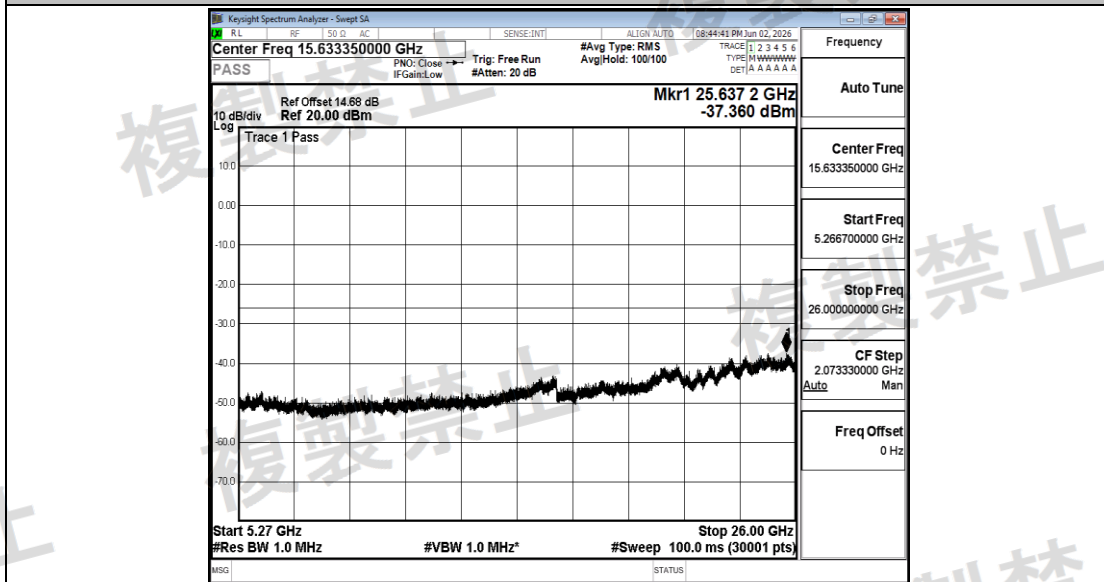
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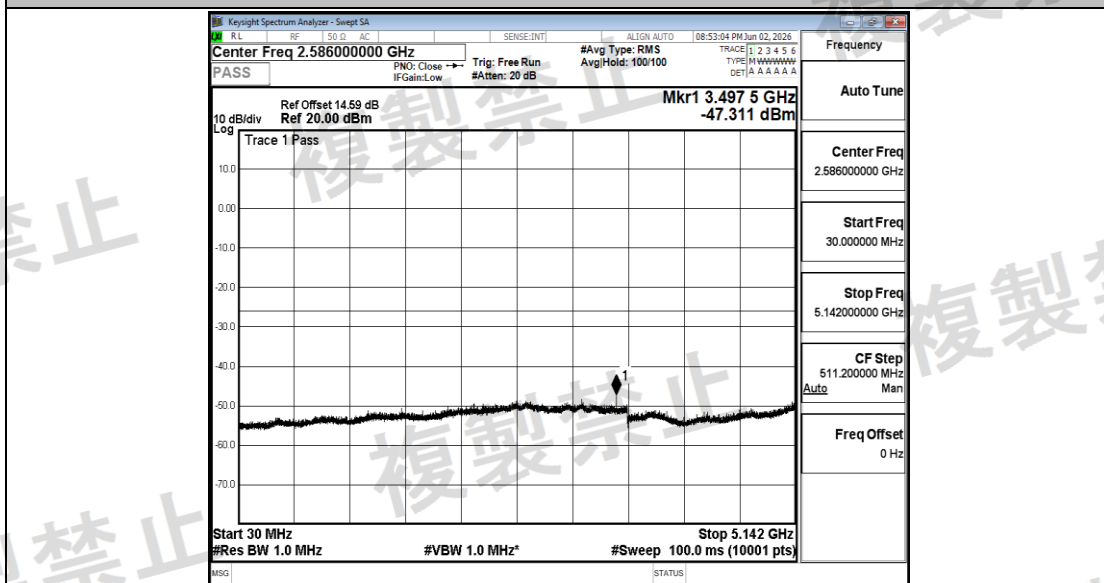
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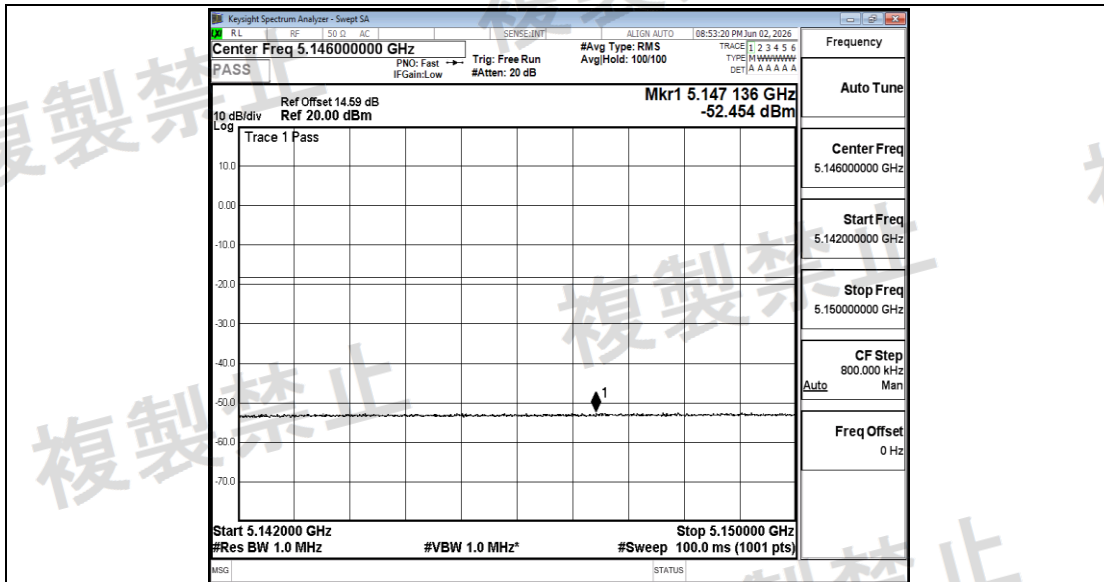
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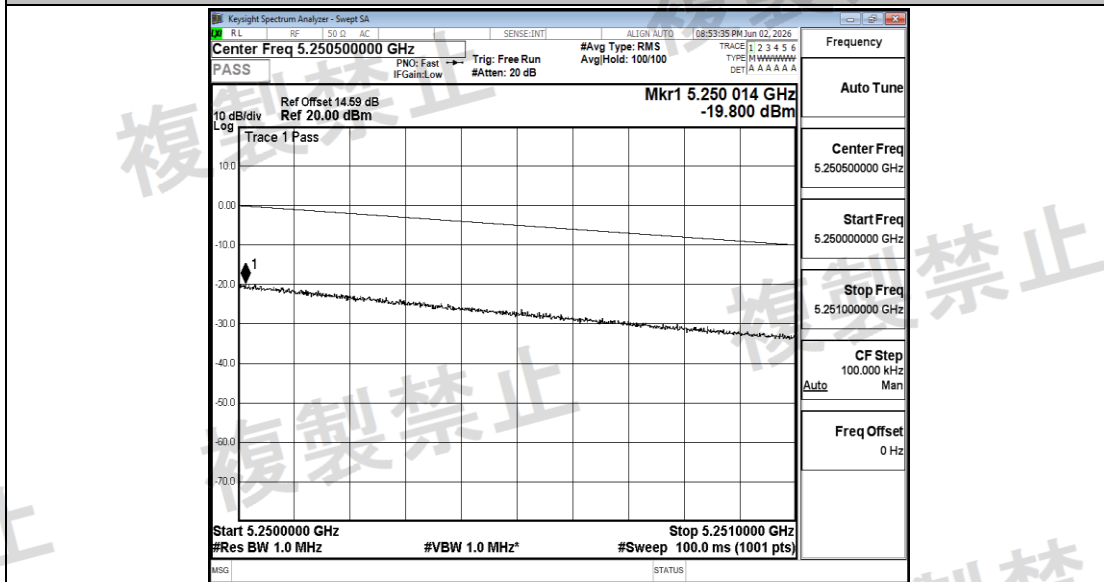
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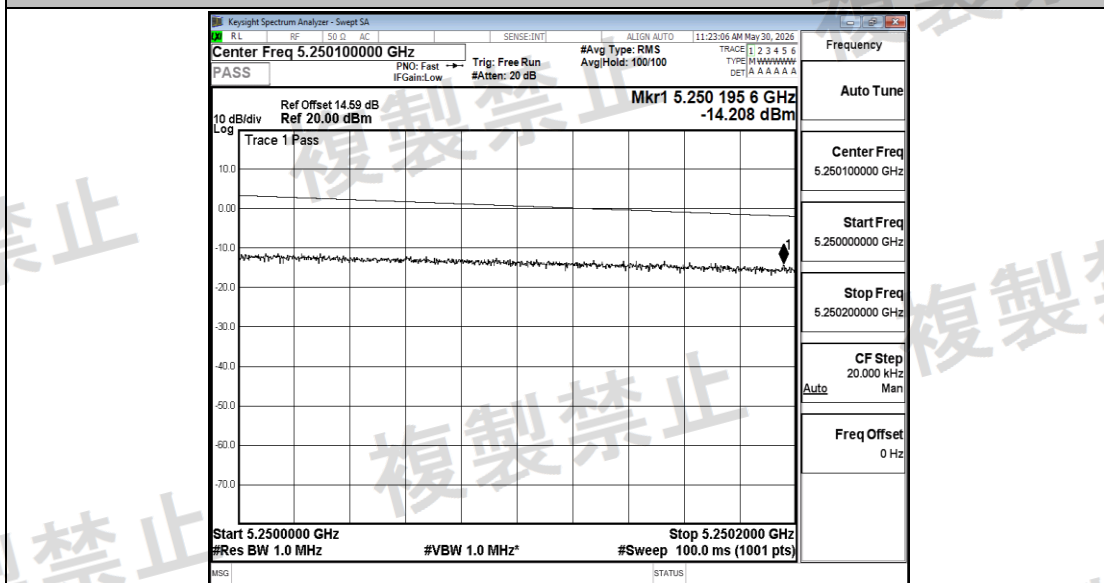
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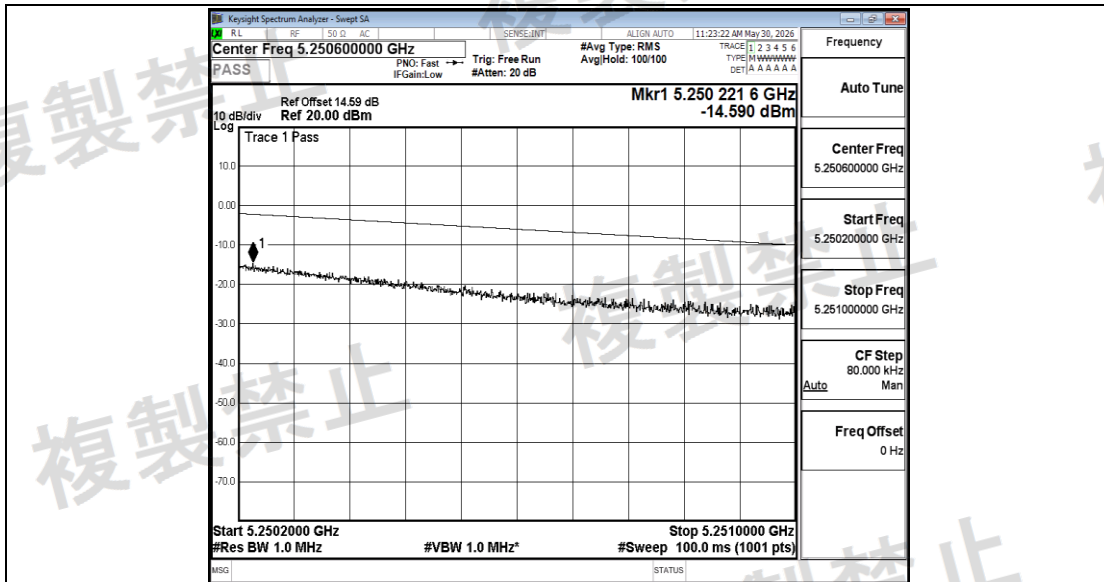
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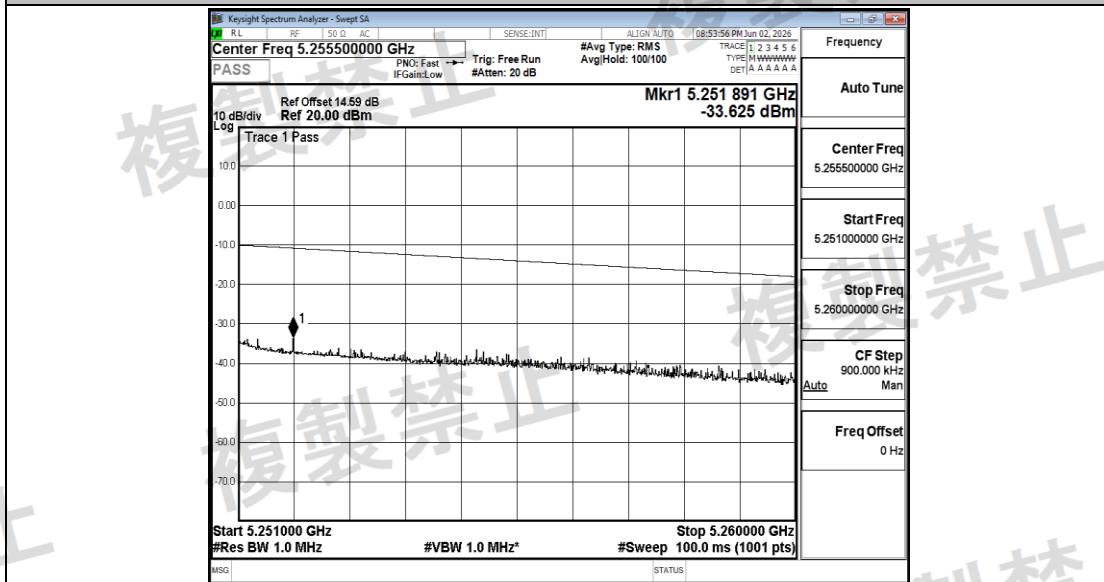
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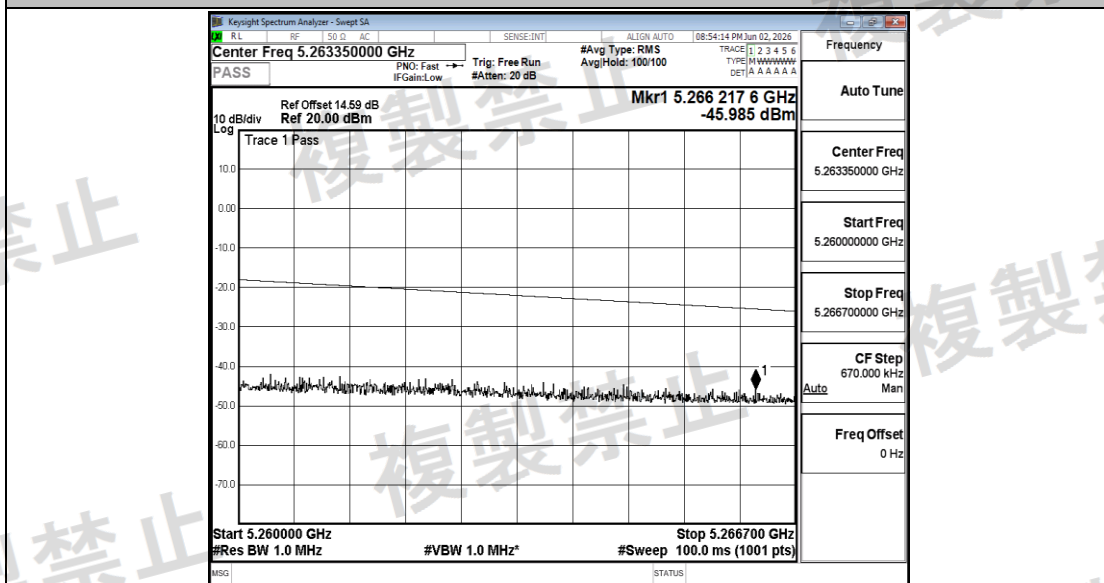
NTNV_11AX20SISO_Ant1_5240_5250.2~5251



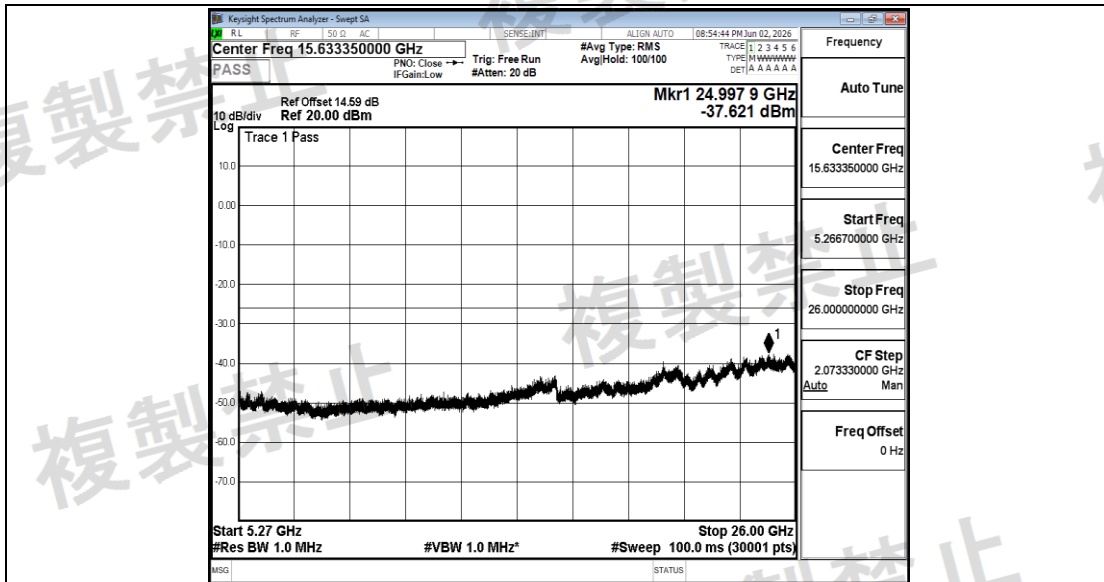
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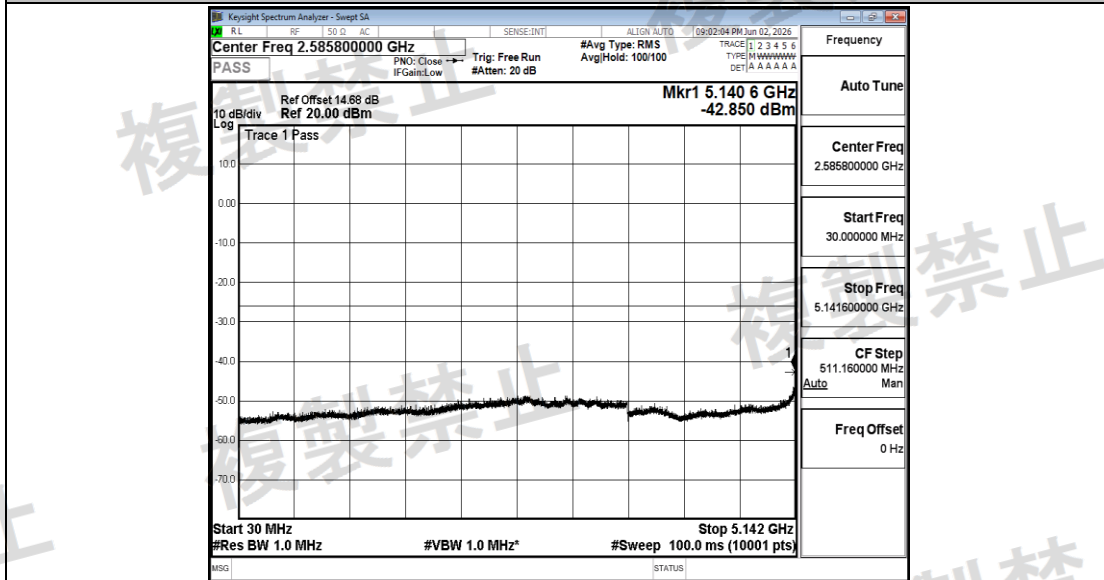
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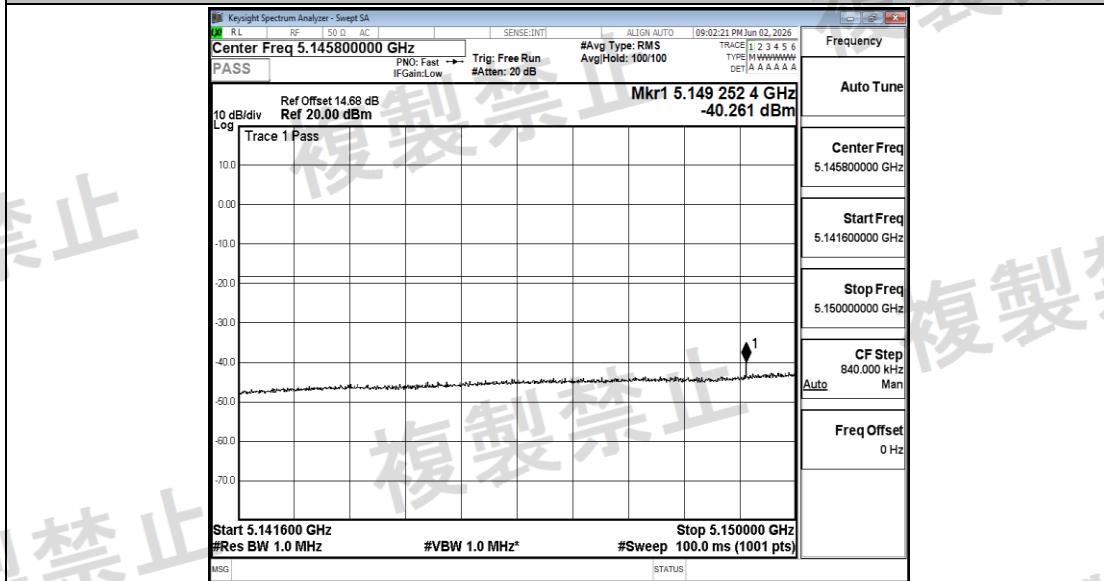
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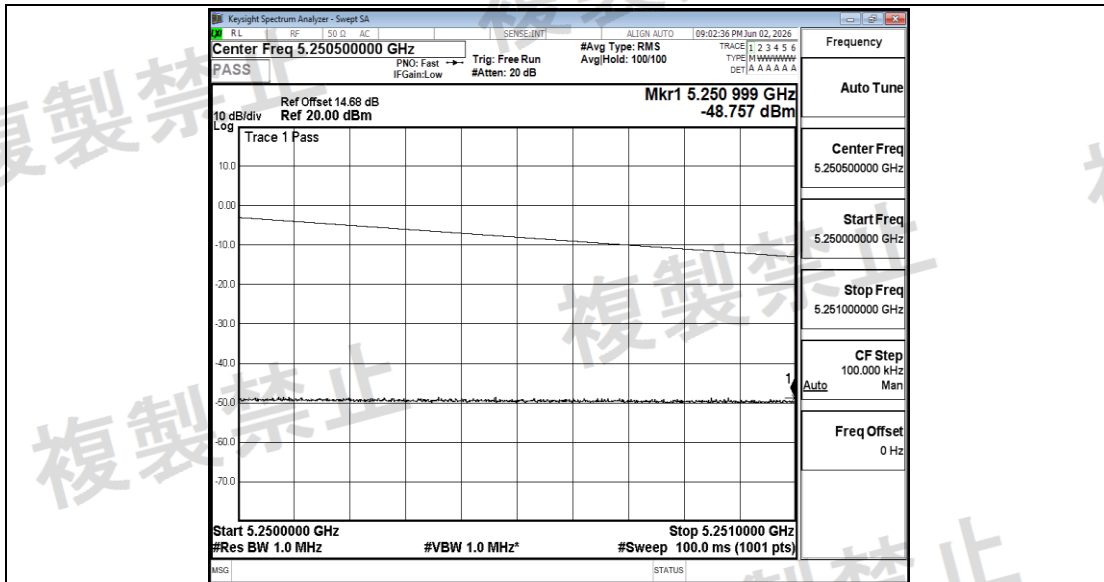
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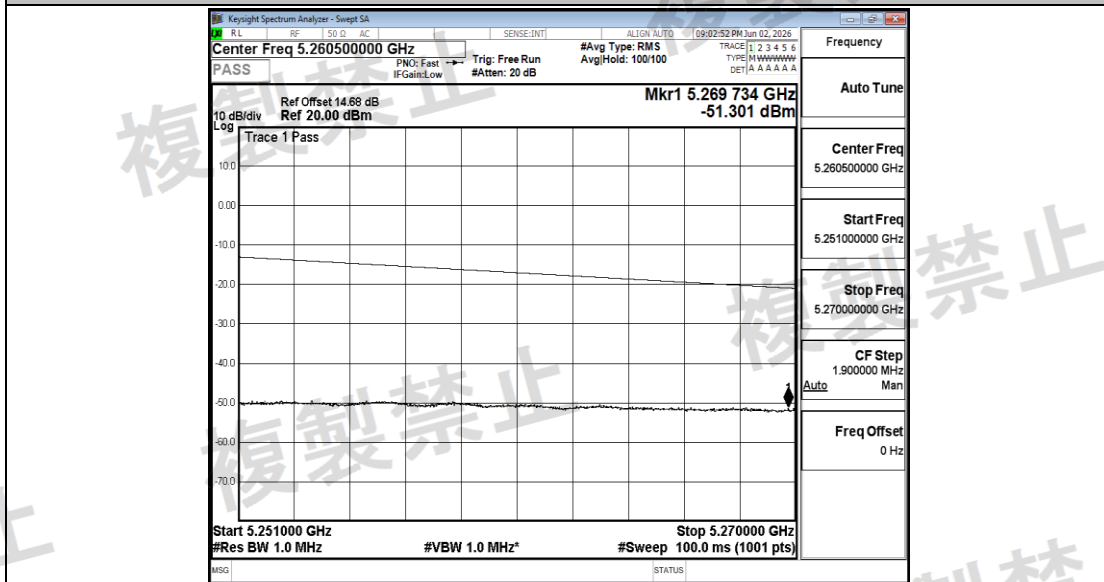
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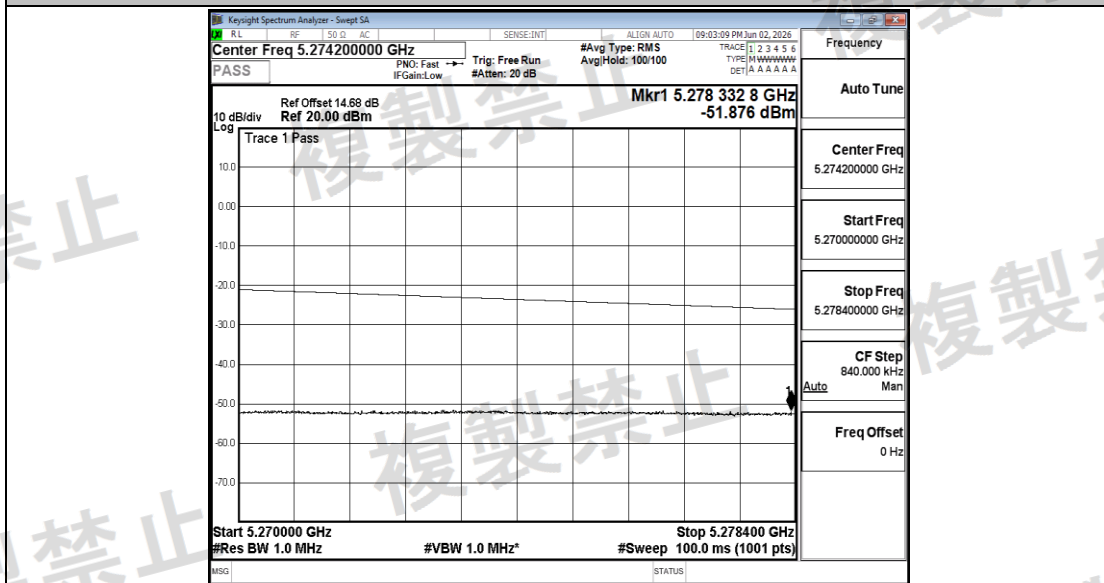
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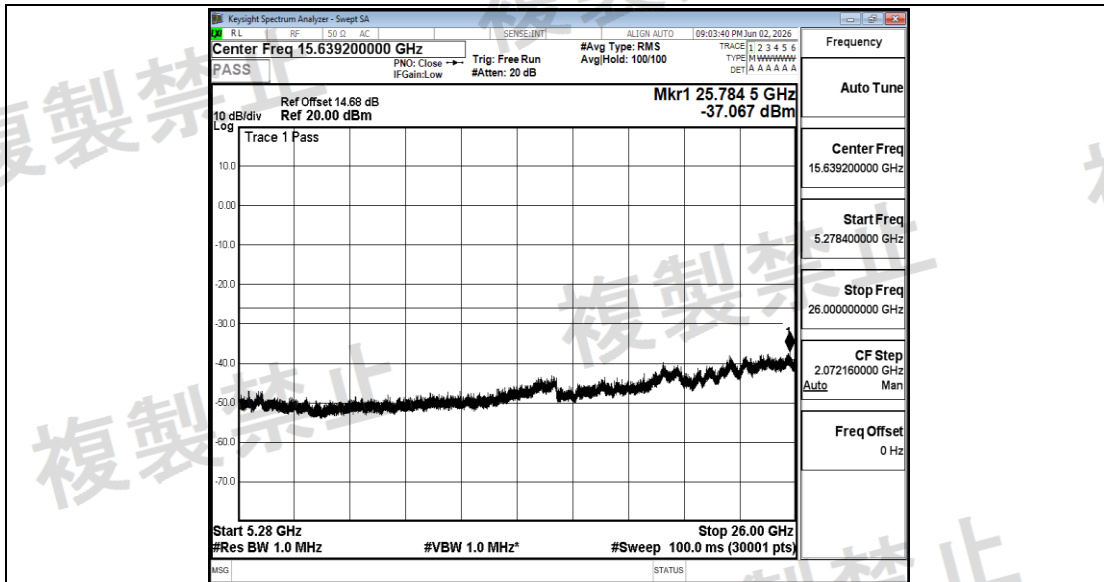
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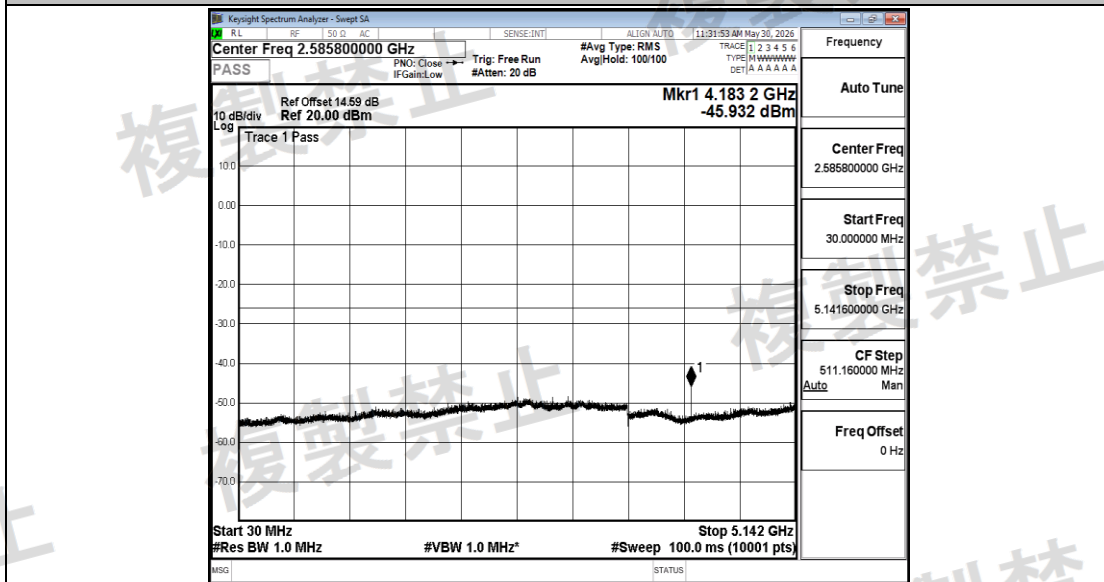
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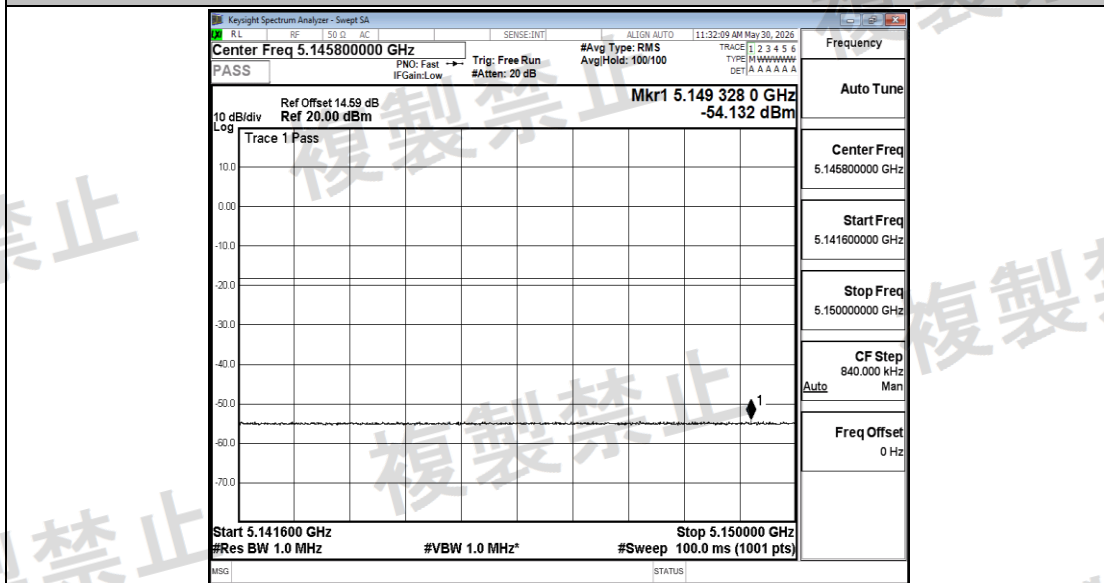
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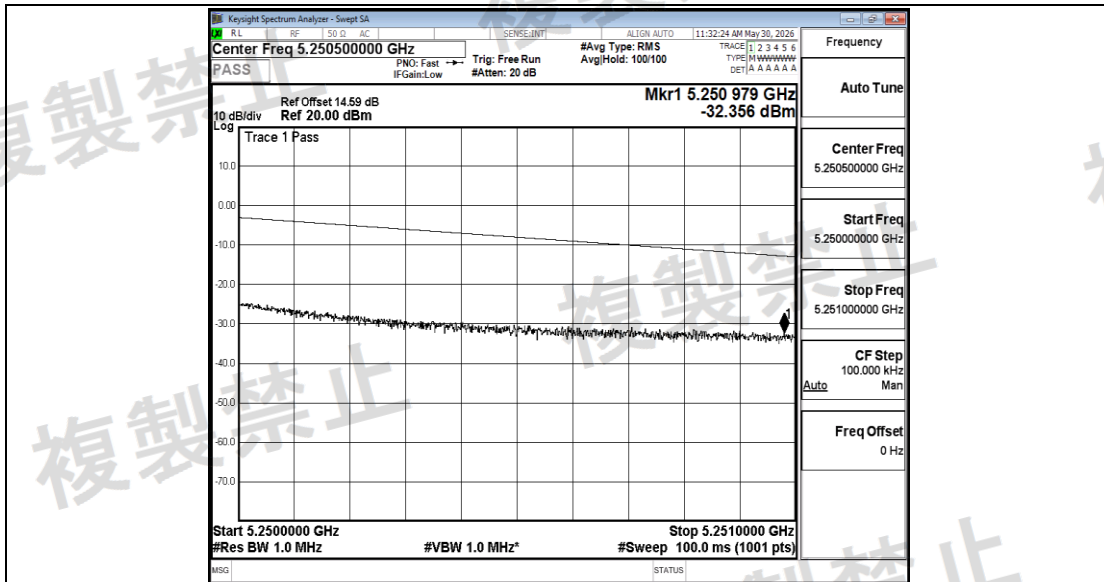
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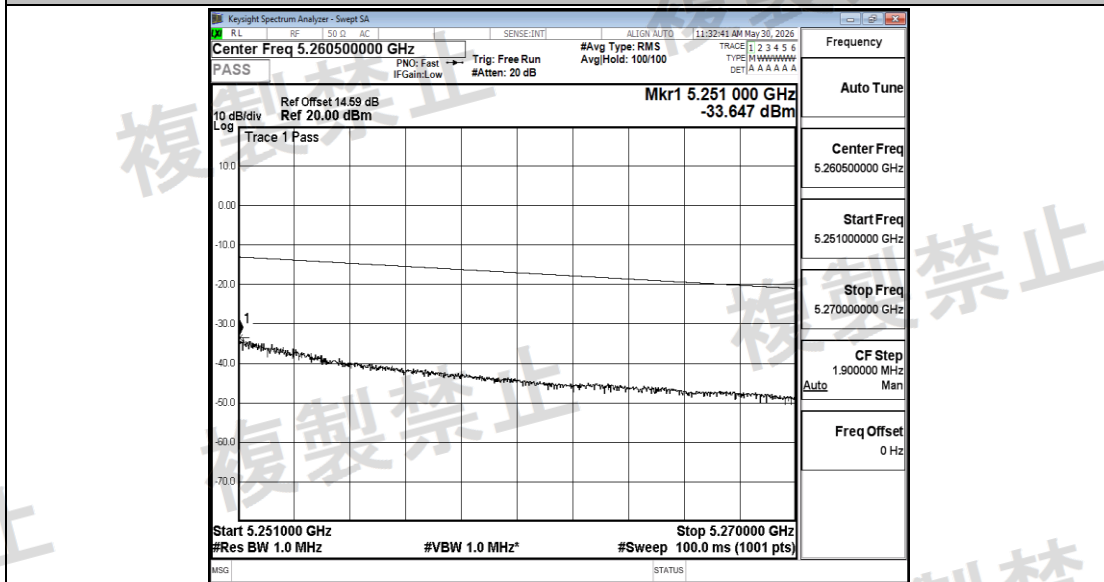
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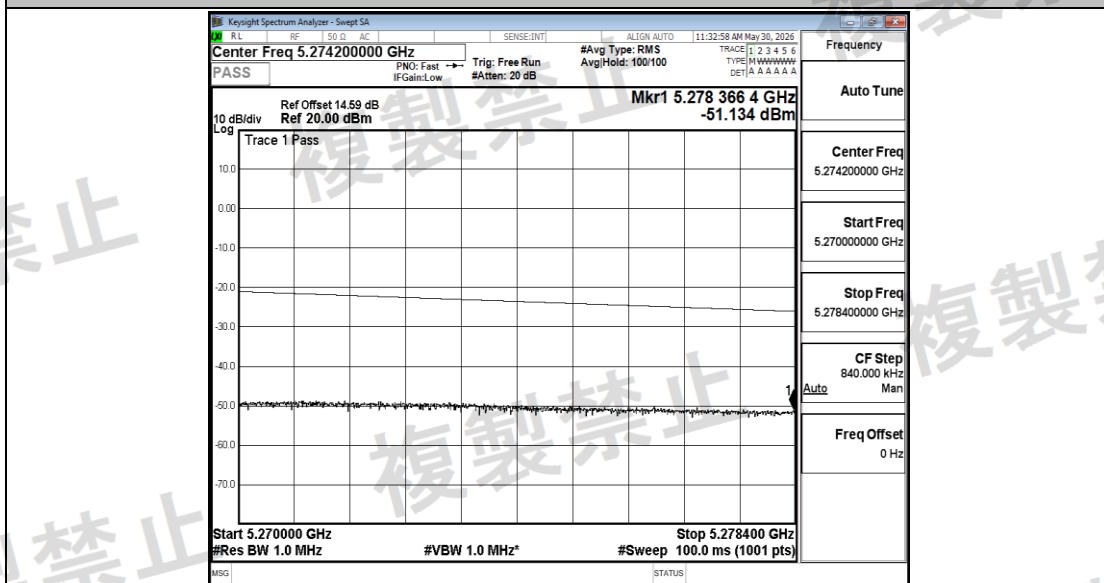
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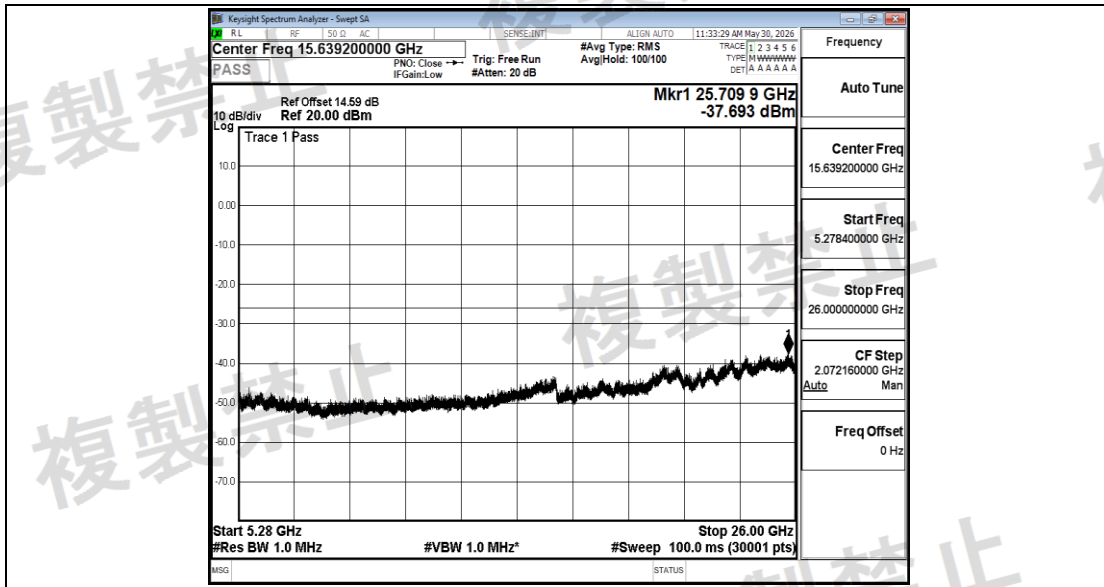
NTNV_11AX40SISO_Ant1_5230_5251~5270



NTNV_11AX40SISO_Ant1_5230_5270~5278.4



NTNV_11AX40SISO_Ant1_5230_5278.4~26000

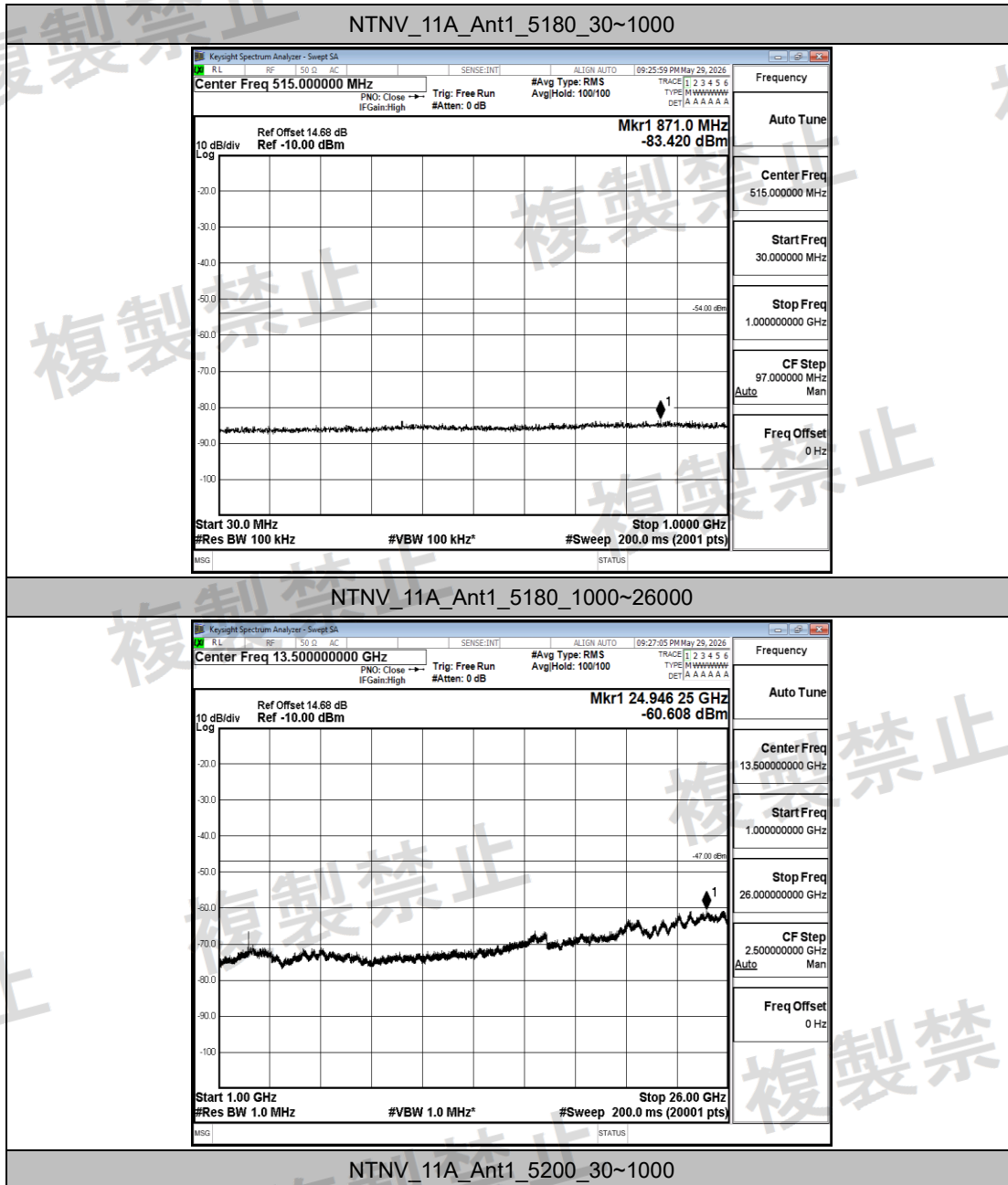


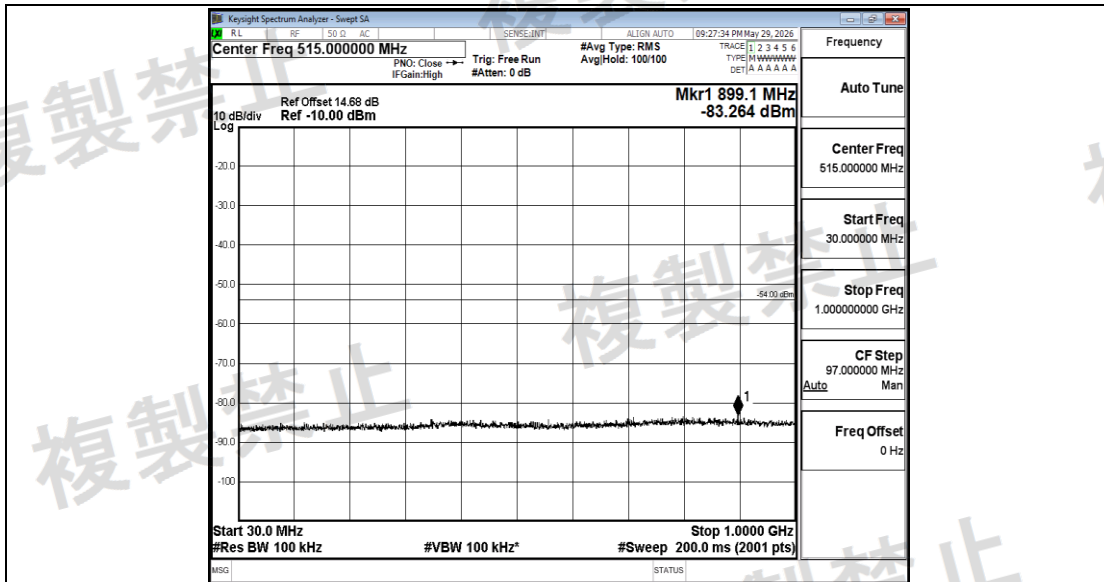
A.5 Spurious Emission of RX

Test Result

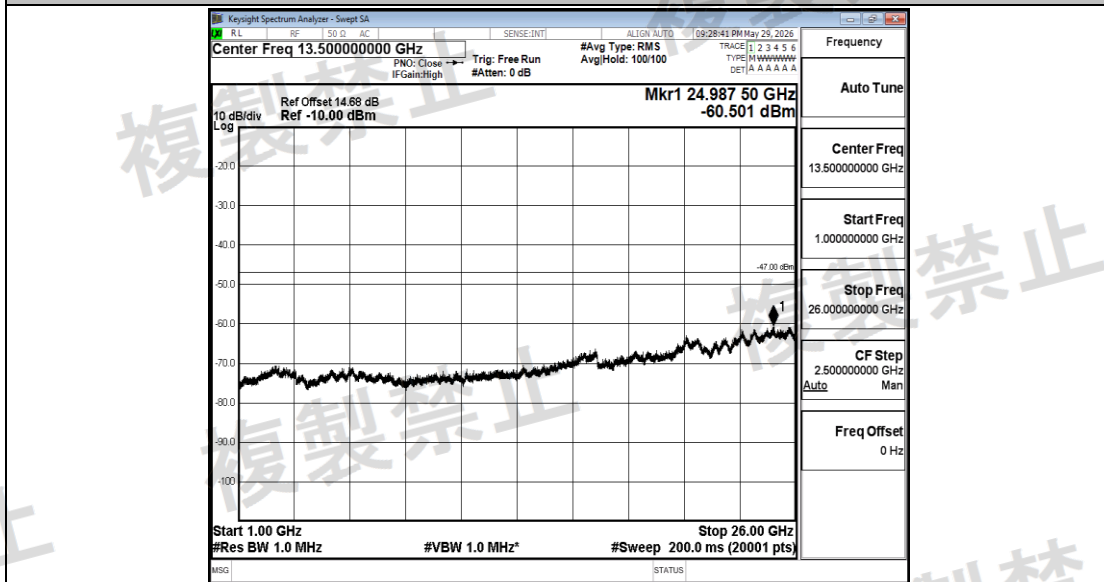
TestCondition	Test Mode	Antenna	Freq (MHz)	Freq.Range [MHz]	Freq. [MHz]	Result [dBm]	Limit [dBm]	Result [nW]	Limit [nW]	Verdict
NTNV	11A	Ant1	5180	30~1000	870.99	-83.42	≤-54	0.00455	≤4	PASS
				1000~26000	24946.25	-60.61	≤-47	0.86896	≤20	PASS
			5200	30~1000	899.12	-83.26	≤-54	0.00472	≤4	PASS
				1000~26000	24987.50	-60.50	≤-47	0.89125	≤20	PASS
			5240	30~1000	938.89	-83.44	≤-54	0.00453	≤4	PASS
				1000~26000	25710.00	-60.37	≤-47	0.91833	≤20	PASS
	11N20SISO	Ant1	5180	30~1000	729.37	-83.59	≤-54	0.00438	≤4	PASS
				1000~26000	25712.50	-59.74	≤-47	1.06170	≤20	PASS
			5200	30~1000	907.37	-83.35	≤-54	0.00462	≤4	PASS
				1000~26000	25695.00	-60.45	≤-47	0.90157	≤20	PASS
			5240	30~1000	851.59	-83.38	≤-54	0.00459	≤4	PASS
				1000~26000	25798.75	-60.59	≤-47	0.87297	≤20	PASS
	11N40SISO	Ant1	5190	30~1000	742.47	-83.42	≤-54	0.00455	≤4	PASS
				1000~26000	25658.75	-60.39	≤-47	0.91411	≤20	PASS
			5230	30~1000	838.01	-83.57	≤-54	0.00440	≤4	PASS
				1000~26000	25796.25	-60.74	≤-47	0.84333	≤20	PASS
	11AC20SISO	Ant1	5180	30~1000	819.10	-83.06	≤-54	0.00494	≤4	PASS
				1000~26000	25795.00	-60.79	≤-47	0.83368	≤20	PASS
			5200	30~1000	716.76	-83.56	≤-54	0.00441	≤4	PASS
				1000~26000	25691.25	-60.41	≤-47	0.90991	≤20	PASS
			5240	30~1000	716.76	-83.56	≤-54	0.00441	≤4	PASS
				1000~26000	24940.00	-60.36	≤-47	0.92045	≤20	PASS
	11AC40SISO	Ant1	5190	30~1000	876.33	-83.40	≤-54	0.00457	≤4	PASS
				1000~26000	25701.25	-60.23	≤-47	0.94842	≤20	PASS
			5230	30~1000	858.38	-83.32	≤-54	0.00466	≤4	PASS
				1000~26000	25697.50	-60.66	≤-47	0.85901	≤20	PASS
	11AX20SISO	Ant1	5180	30~1000	795.82	-83.63	≤-54	0.00434	≤4	PASS
				1000~26000	25733.75	-60.07	≤-47	0.98401	≤20	PASS
			5200	30~1000	861.29	-82.76	≤-54	0.00530	≤4	PASS
				1000~26000	25667.50	-60.64	≤-47	0.86298	≤20	PASS
			5240	30~1000	803.09	-83.44	≤-54	0.00453	≤4	PASS
				1000~26000	25737.50	-60.57	≤-47	0.87700	≤20	PASS
	11AX40SISO	Ant1	5190	30~1000	886.51	-83.03	≤-54	0.00498	≤4	PASS
				1000~26000	24950.00	-60.25	≤-47	0.94406	≤20	PASS
			5230	30~1000	870.99	-83.38	≤-54	0.00459	≤4	PASS
				1000~26000	25027.50	-60.57	≤-47	0.87700	≤20	PASS

Test Graphs

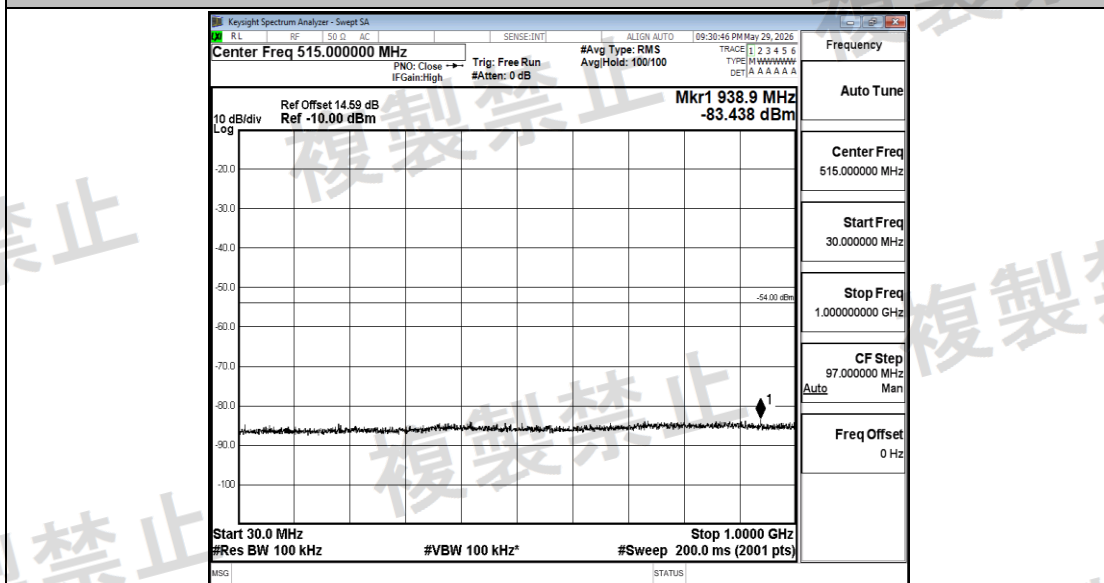




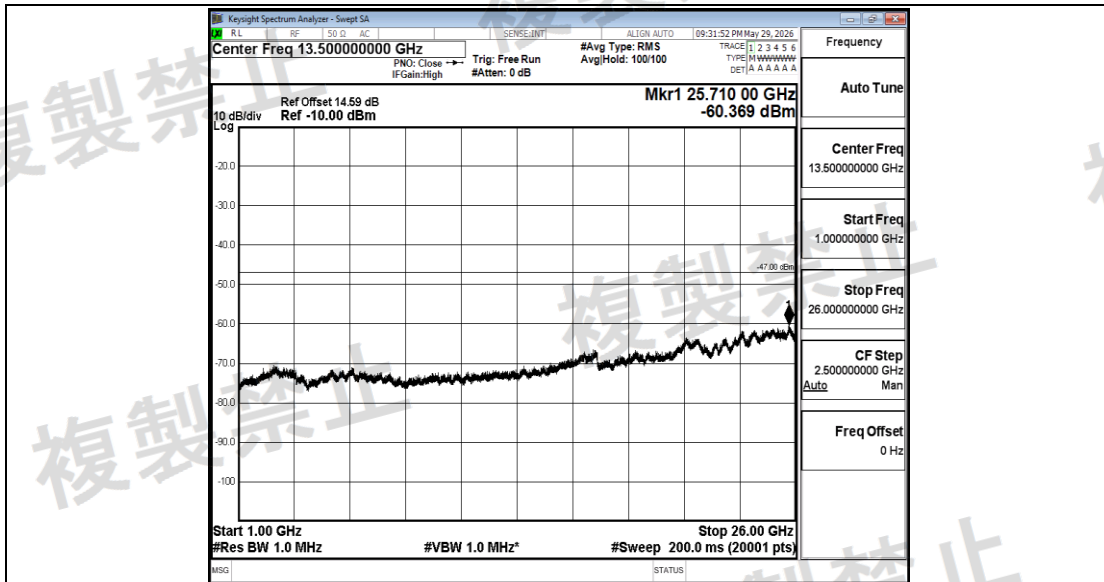
NTNV_11A_Ant1_5200_1000~26000



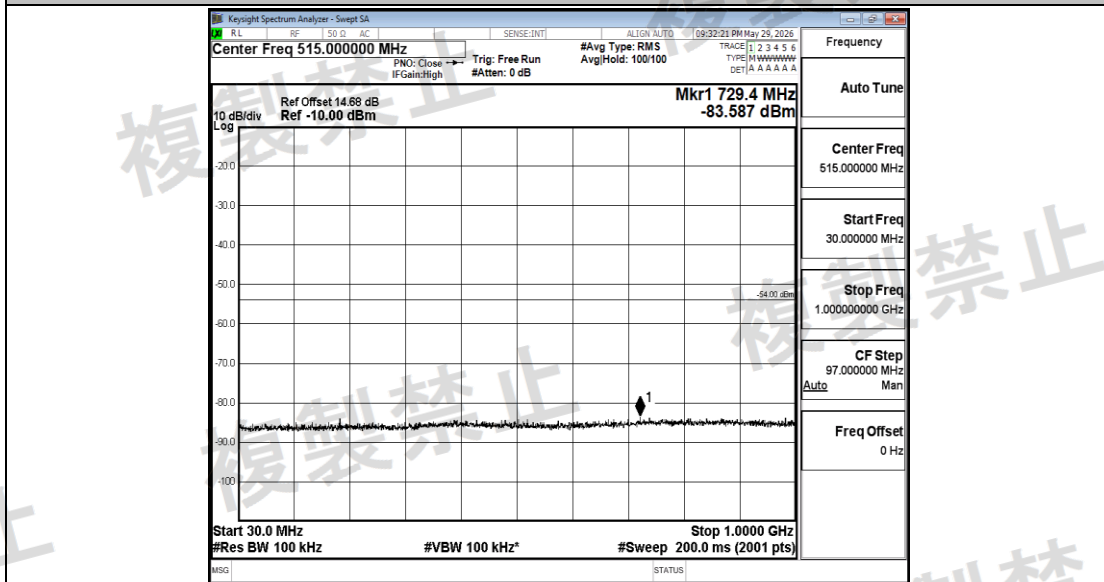
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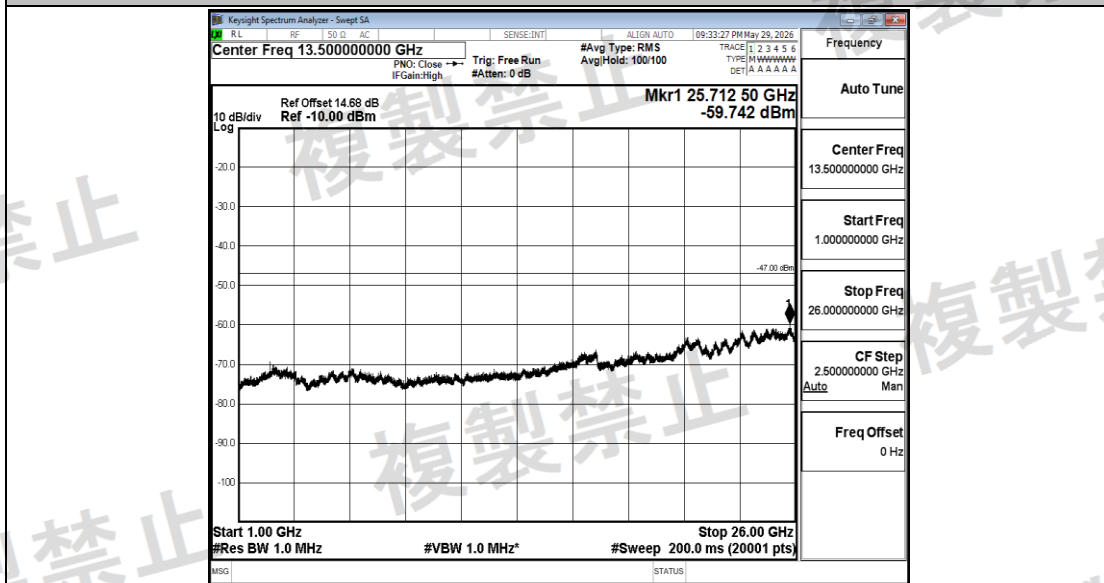
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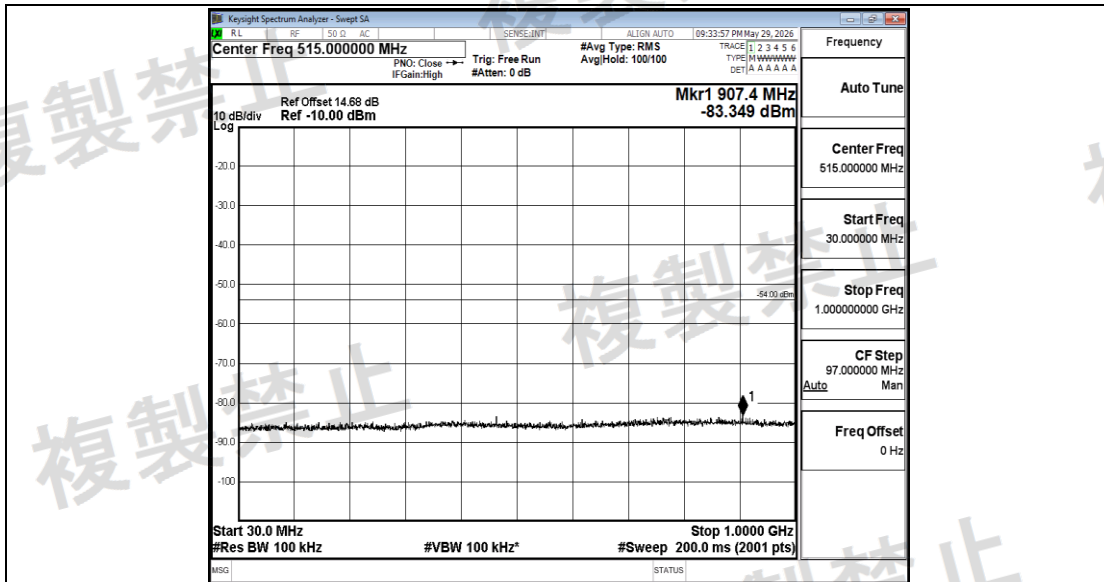
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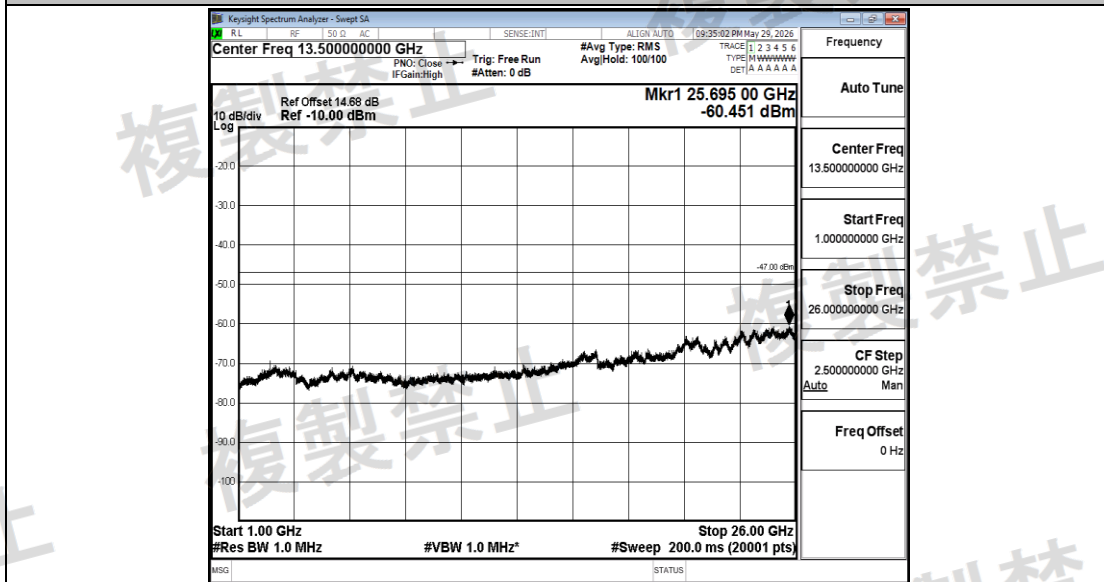
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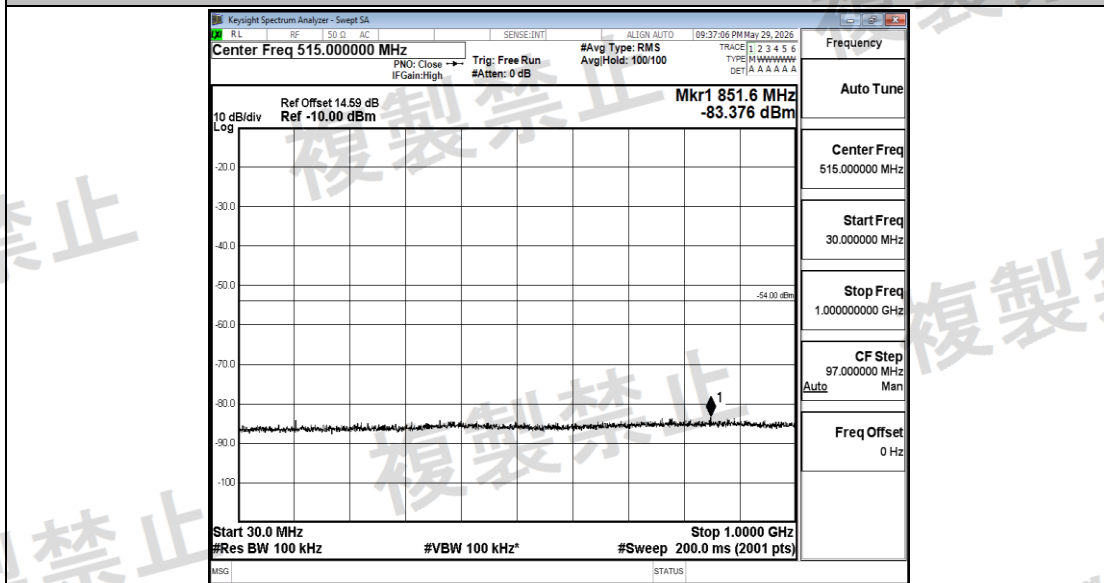
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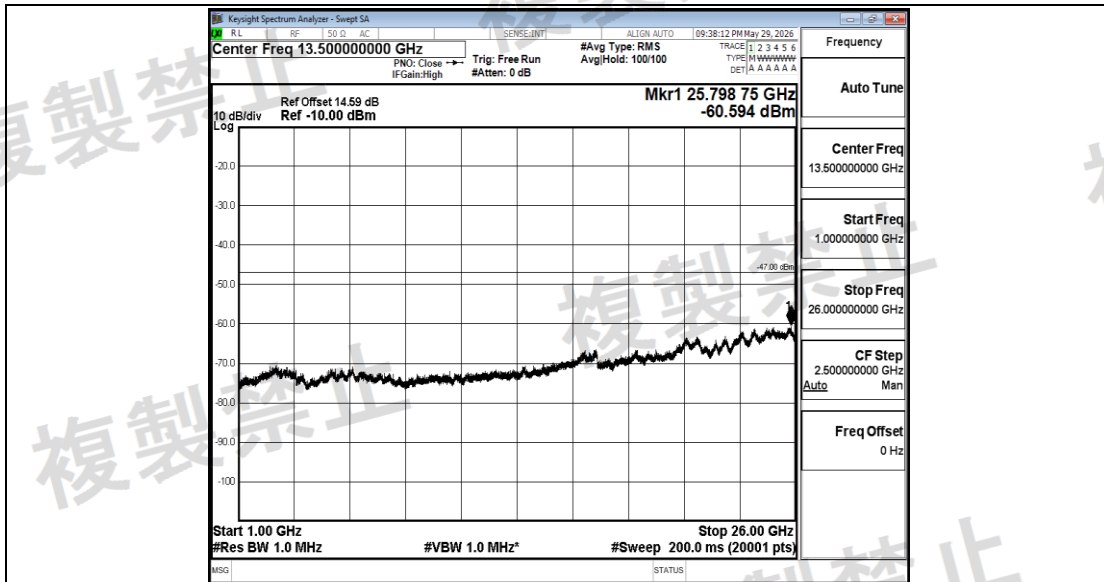
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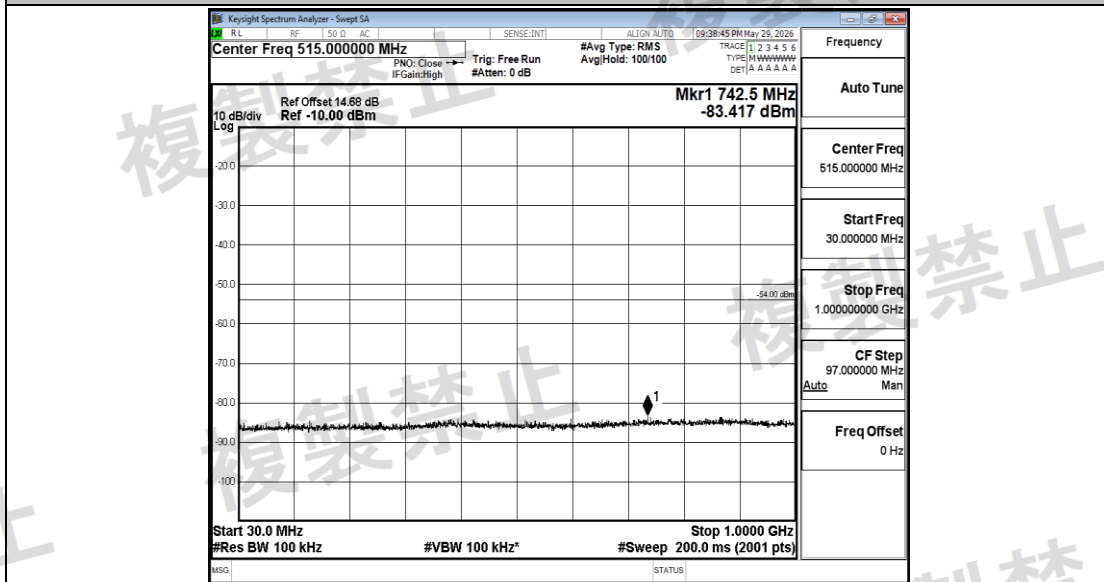
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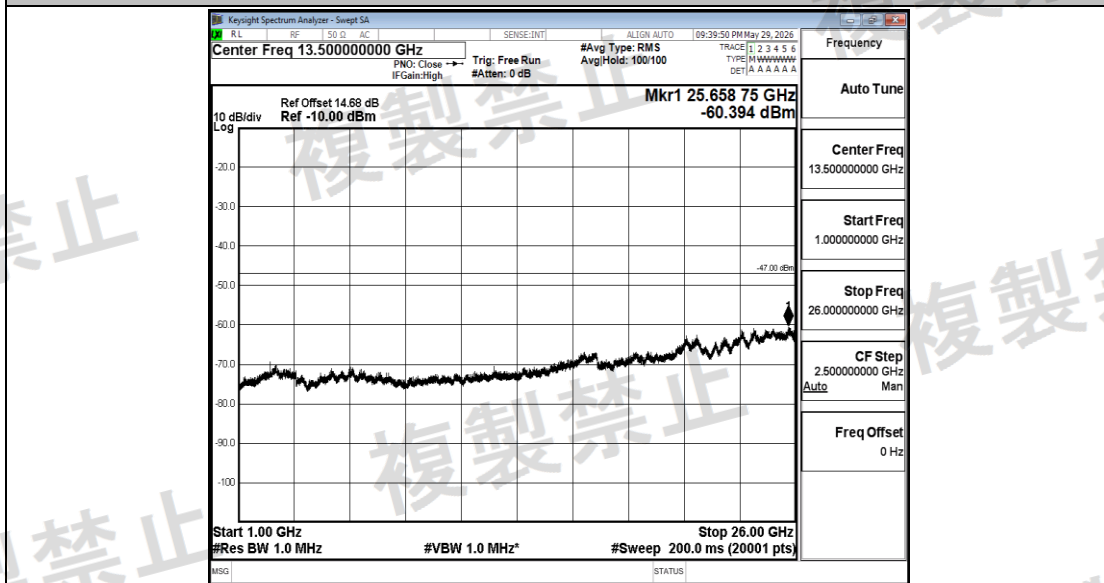
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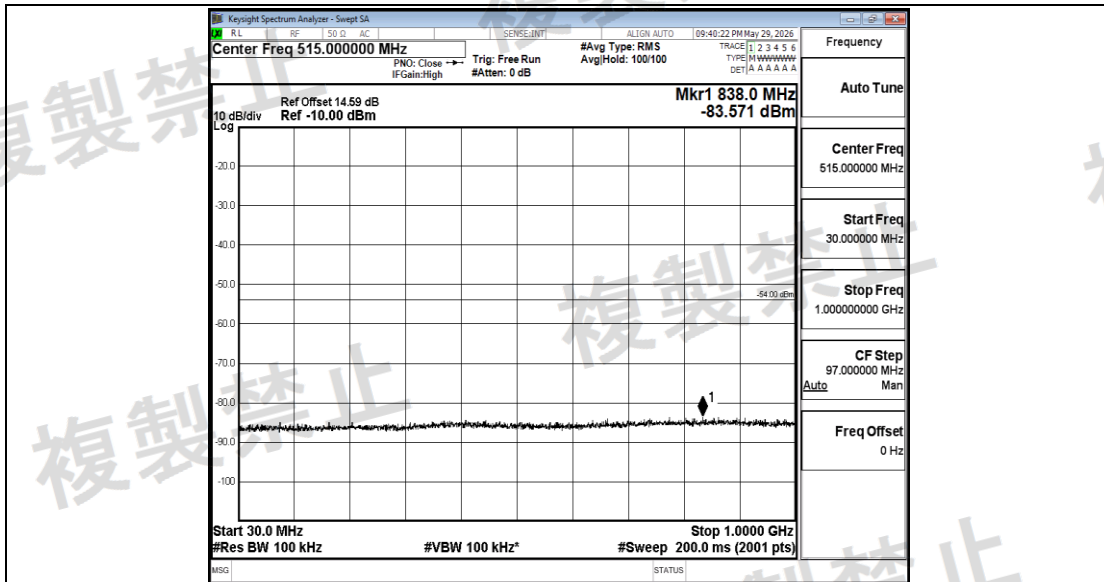
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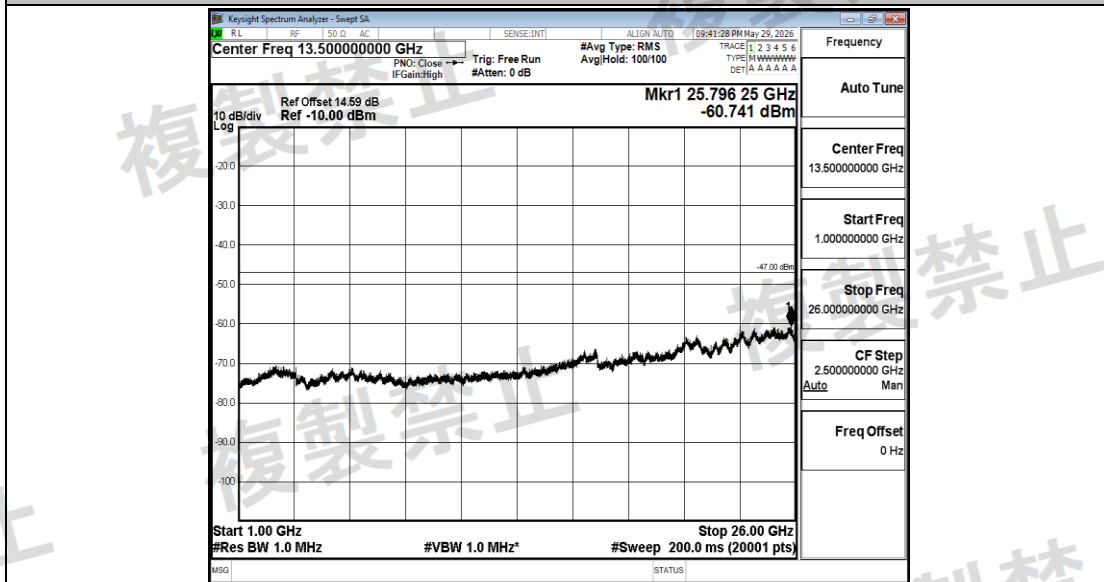
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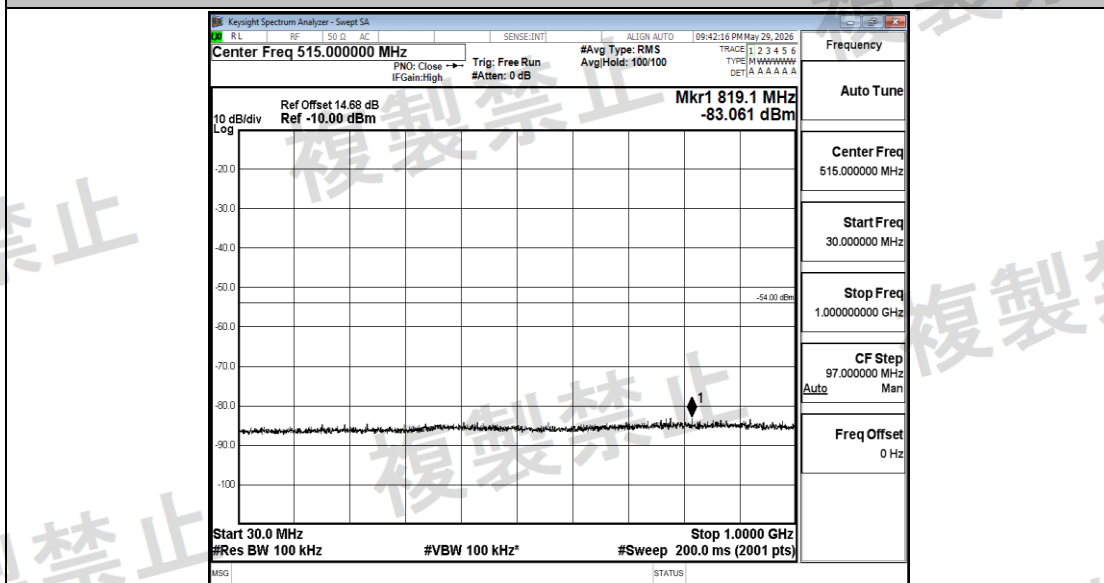
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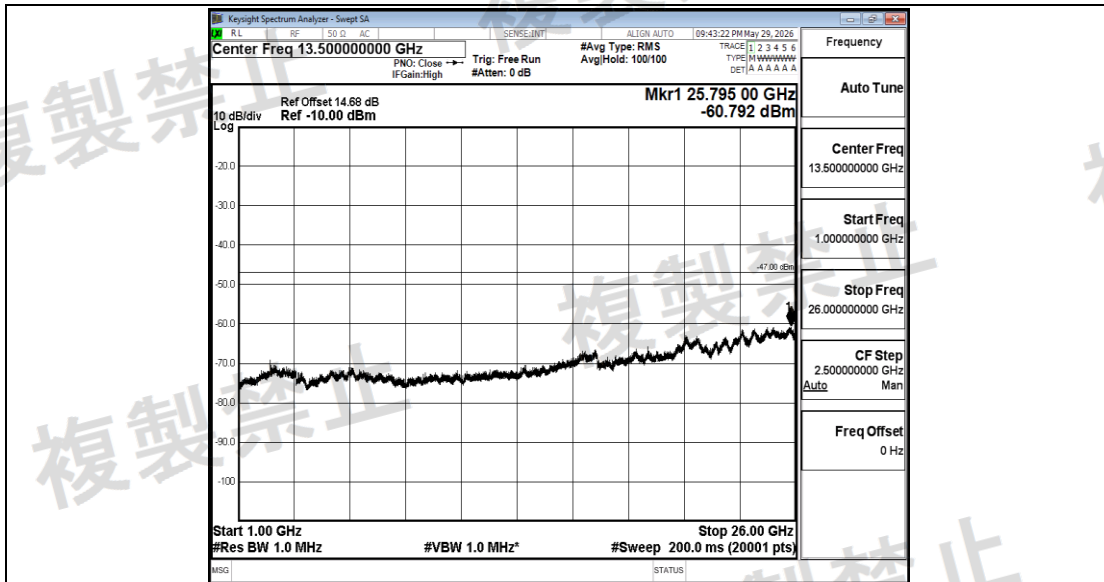
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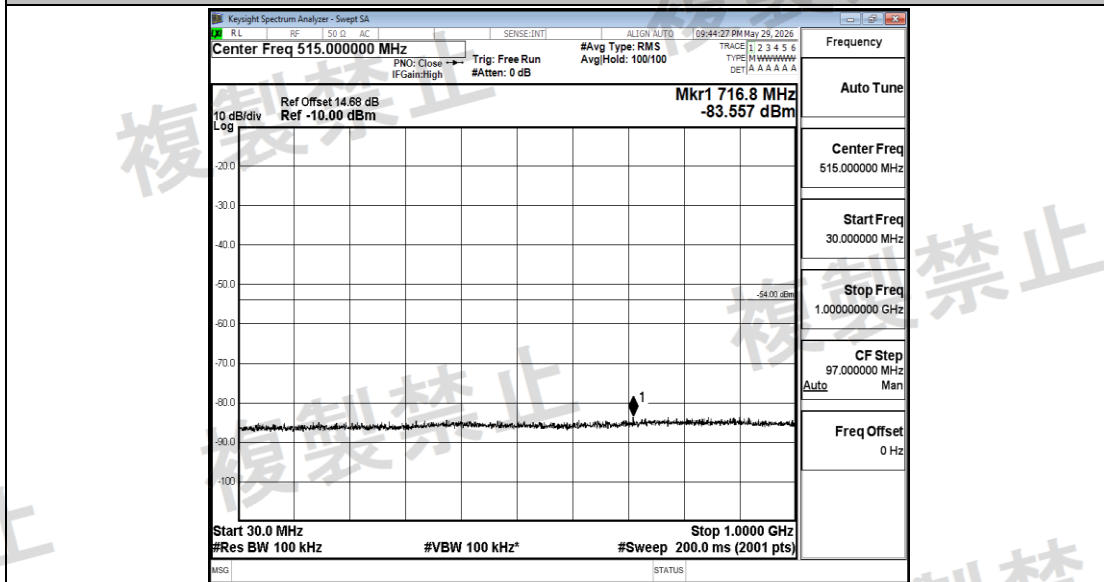
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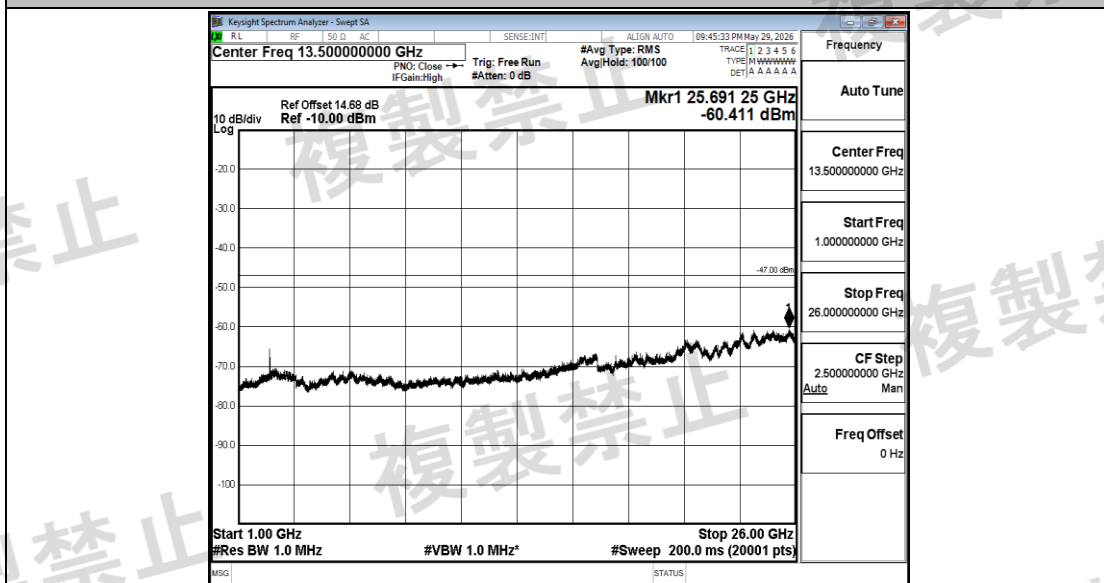
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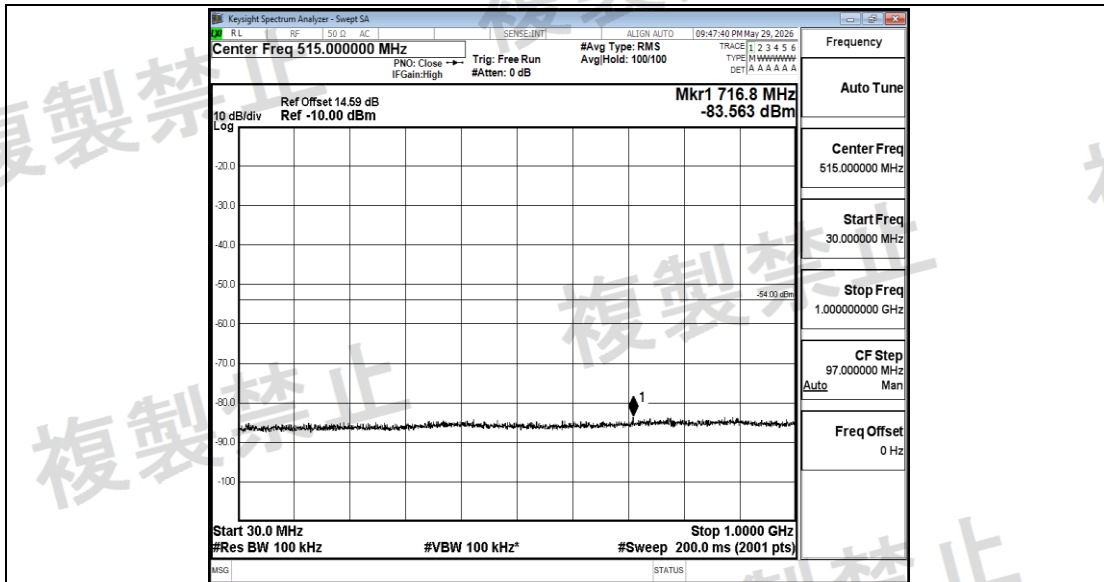
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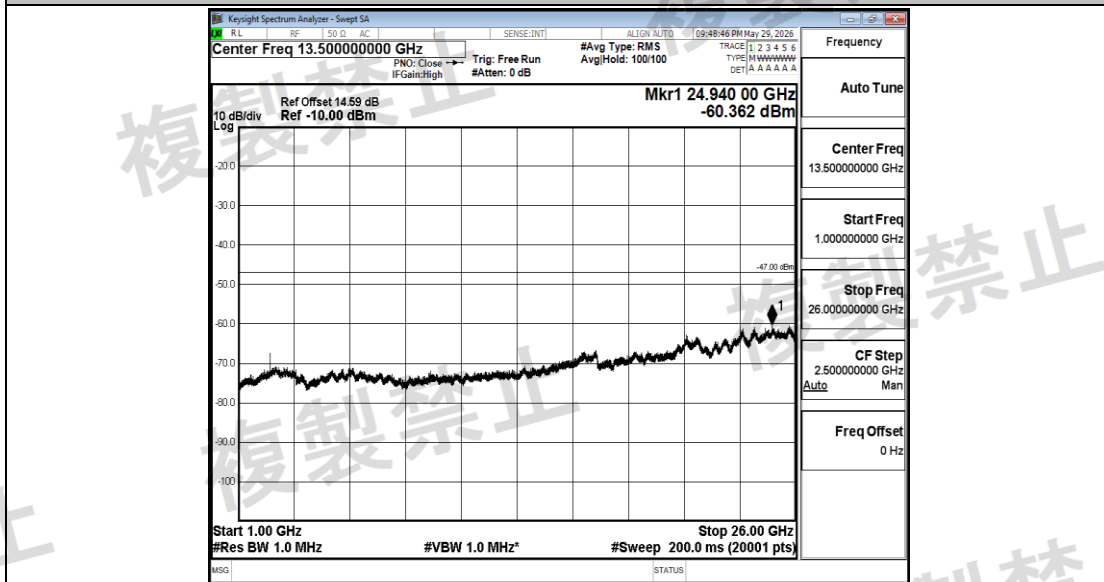
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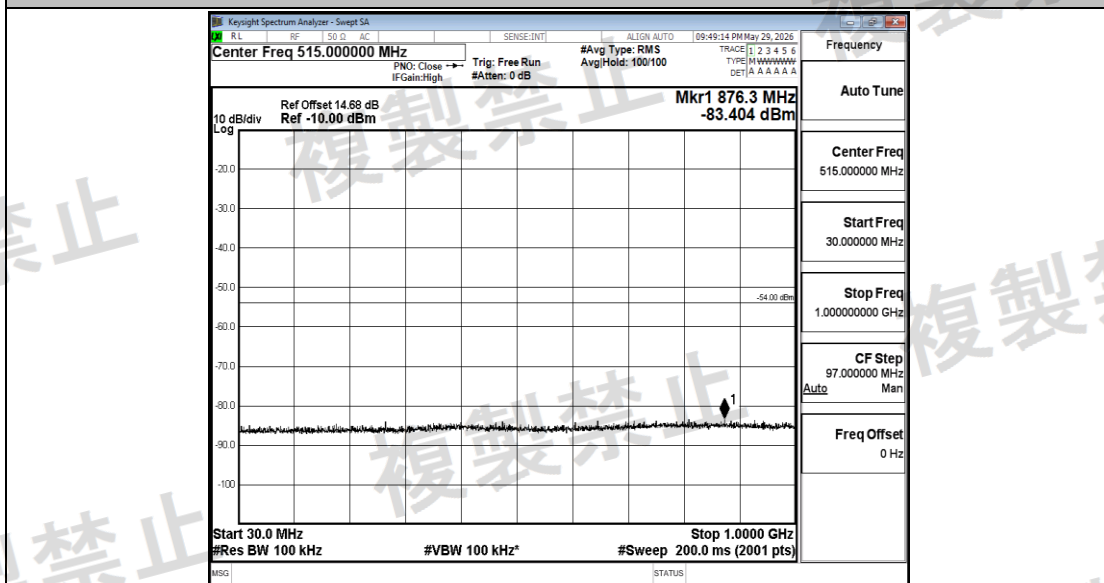
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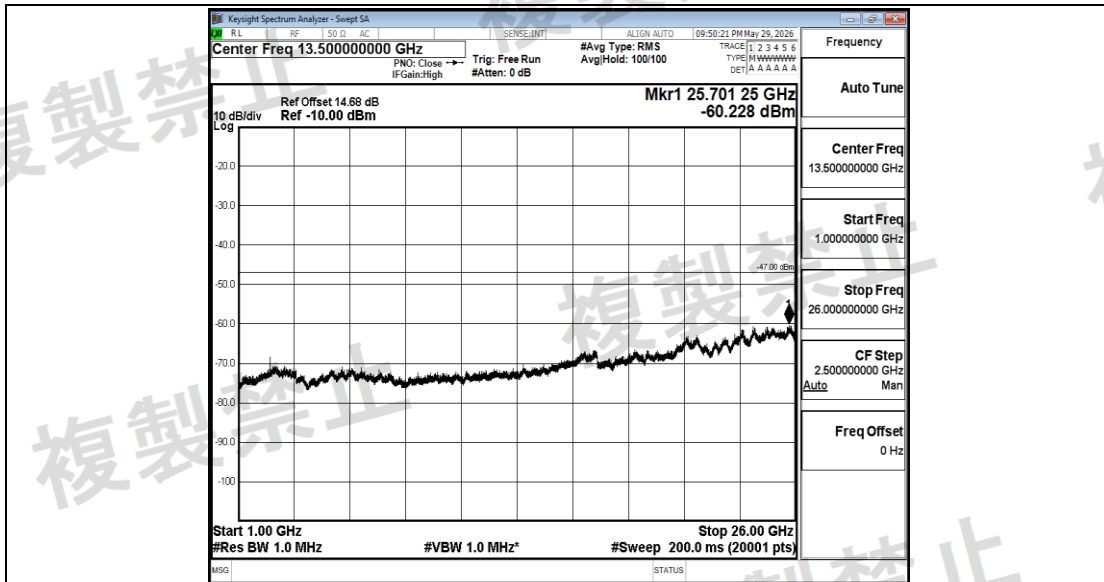
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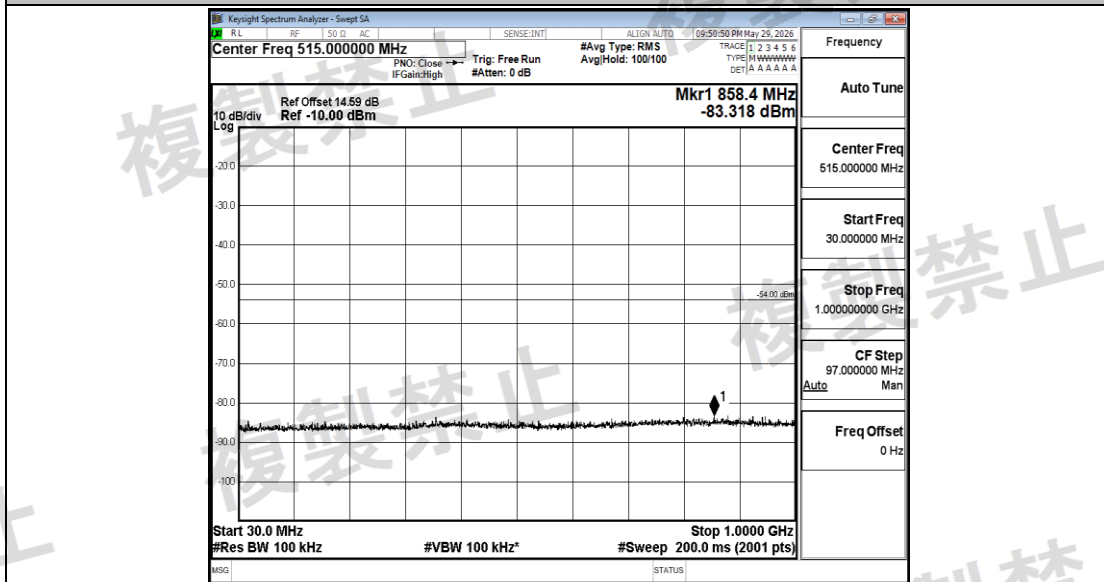
NTNV_11AC40SISO_Ant1_5190_30~1000



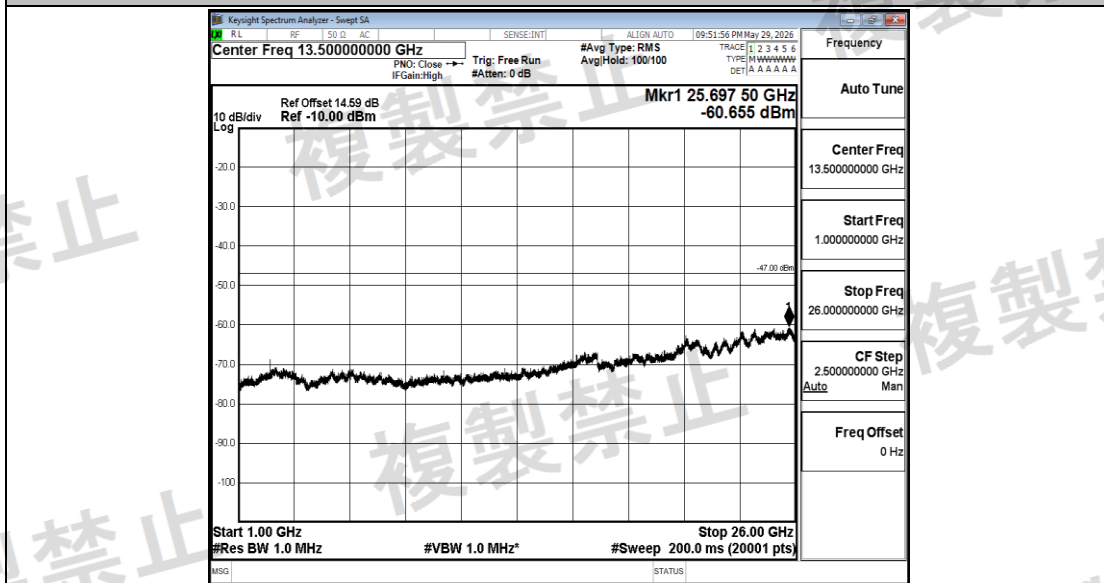
NTNV_11AC40SISO_Ant1_5190_1000~26000



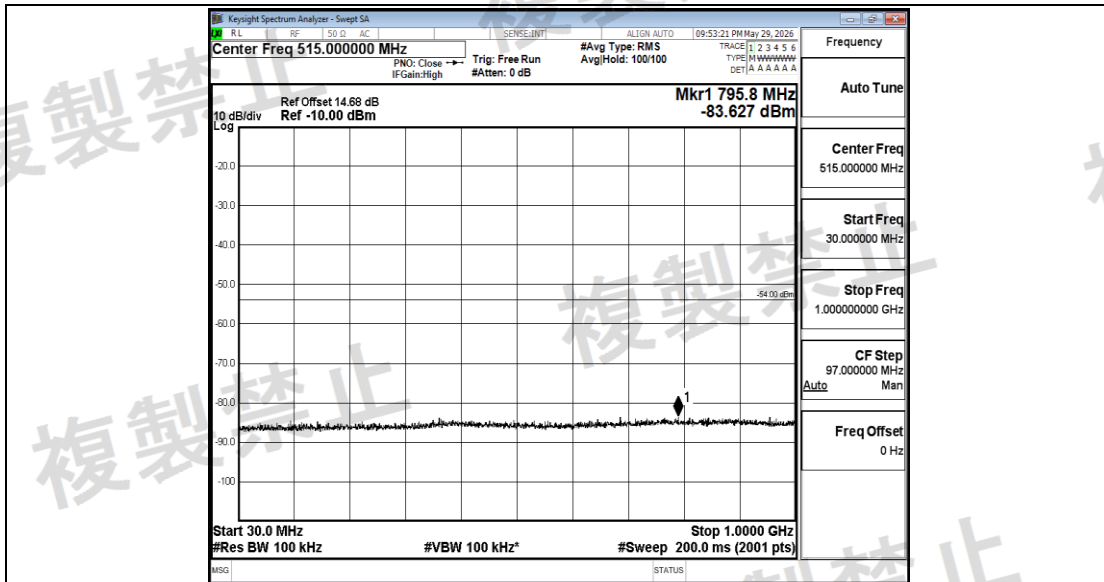
NTNV_11AC40SISO_Ant1_5230_30~1000



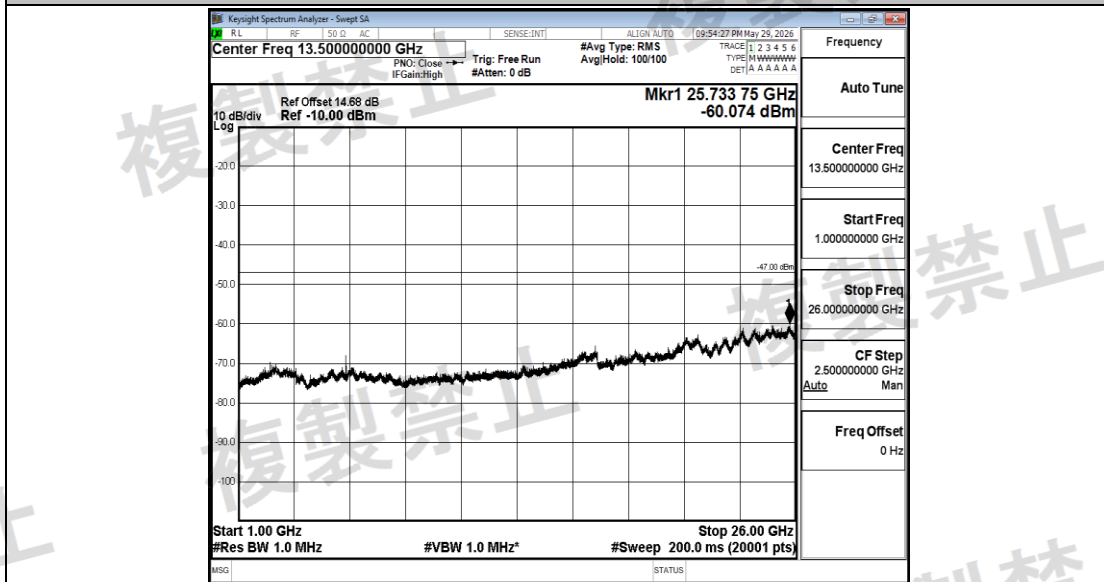
NTNV_11AC40SISO_Ant1_5230_1000~26000



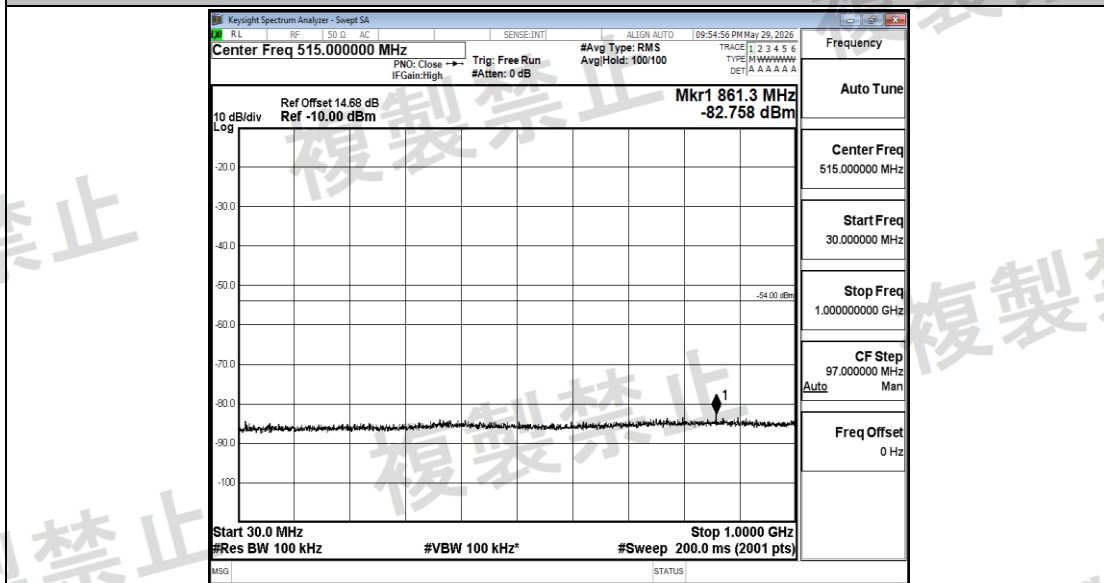
NTNV_11AX20SISO_Ant1_5180_30~1000



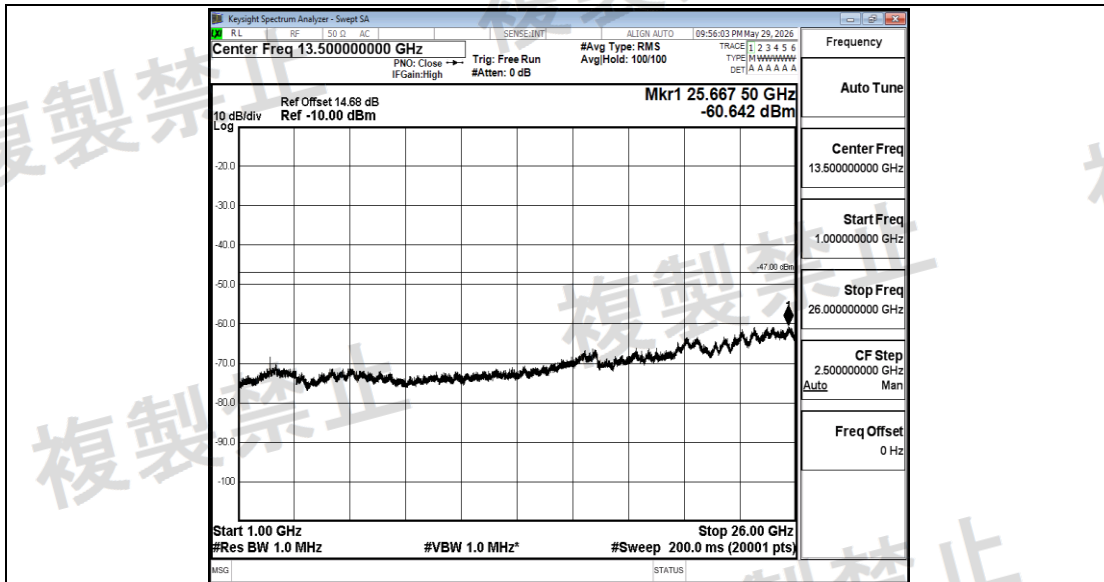
NTNV_11AX20SISO_Ant1_5180_1000~26000



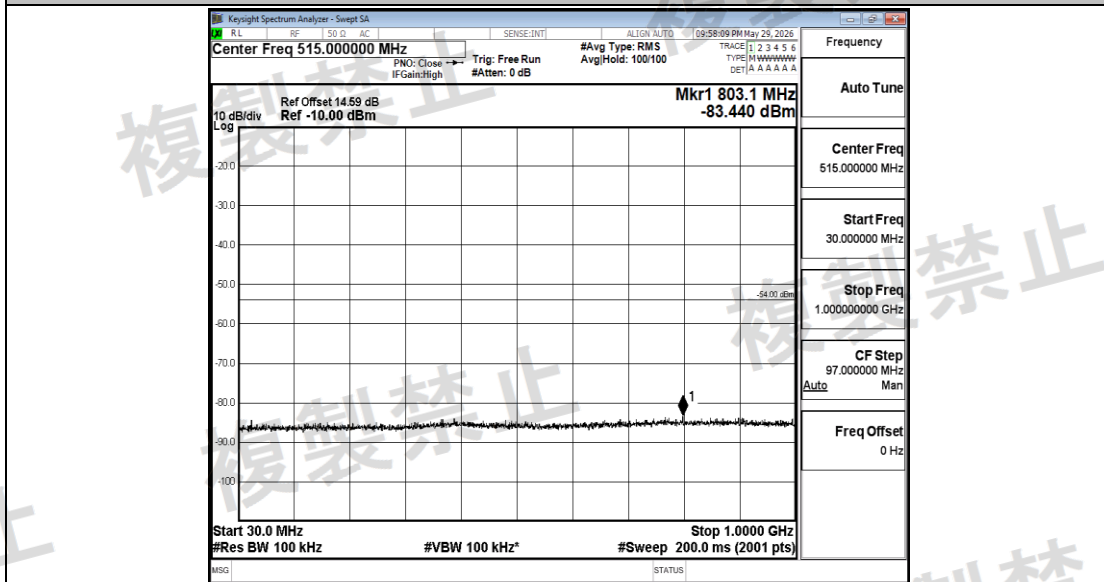
NTNV_11AX20SISO_Ant1_5200_30~1000



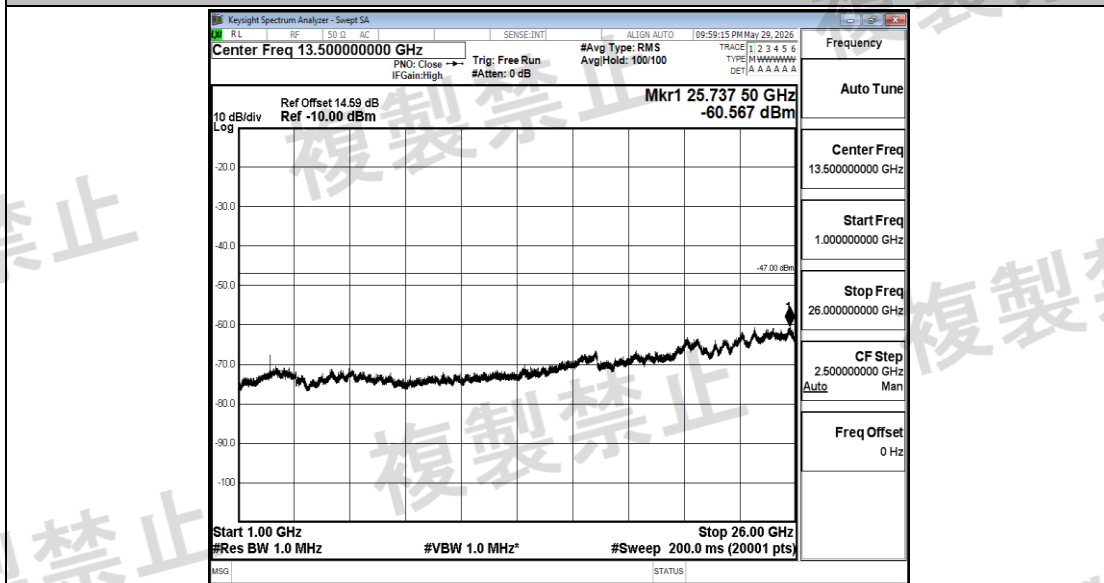
NTNV_11AX20SISO_Ant1_5200_1000~26000



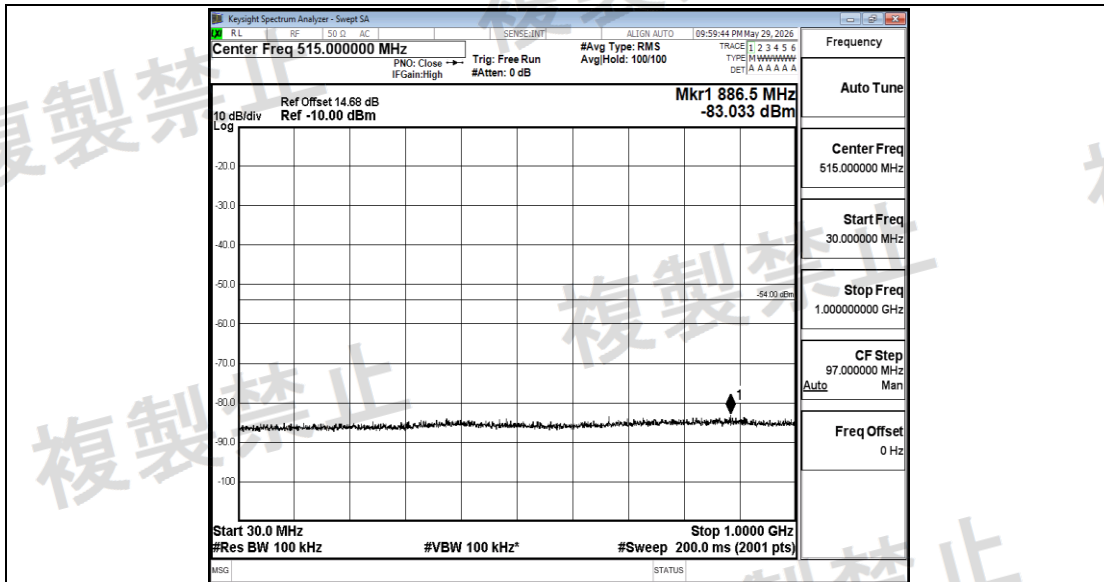
NTNV_11AX20SISO_Ant1_5240_30~1000



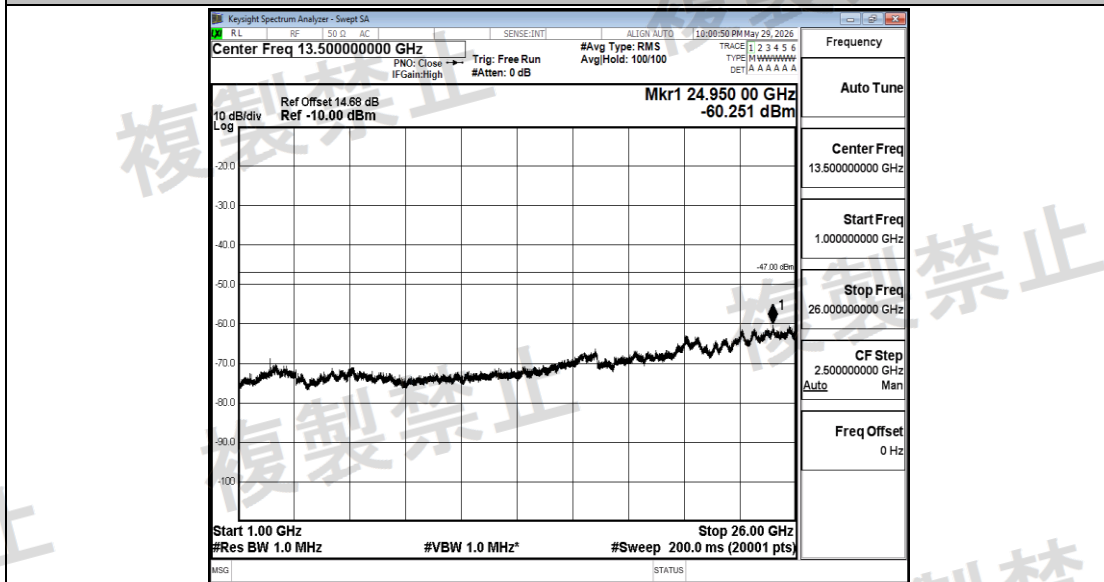
NTNV_11AX20SISO_Ant1_5240_1000~26000



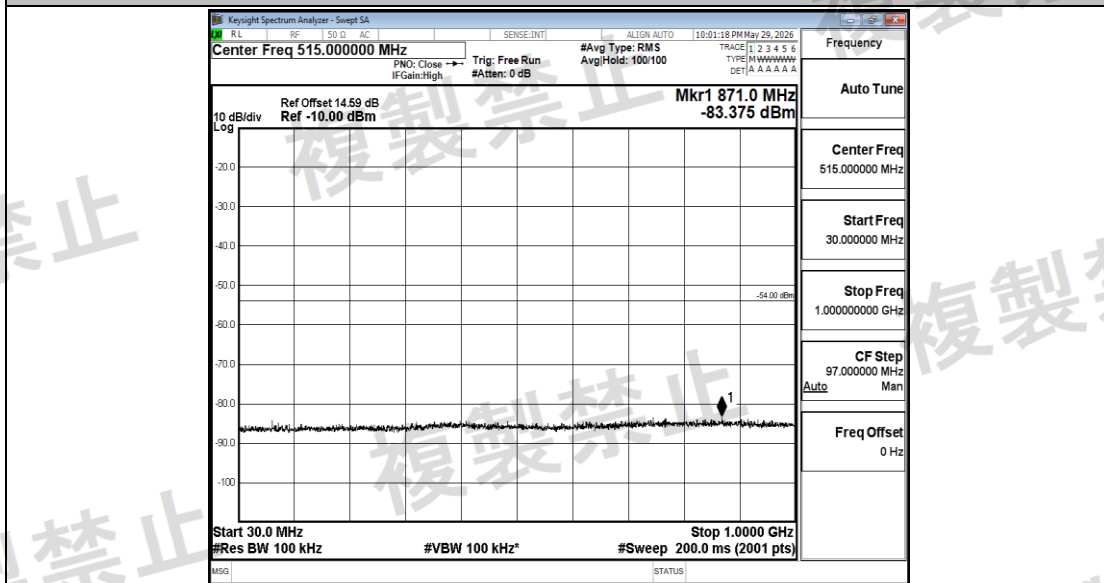
NTNV_11AX40SISO_Ant1_5190_30~1000



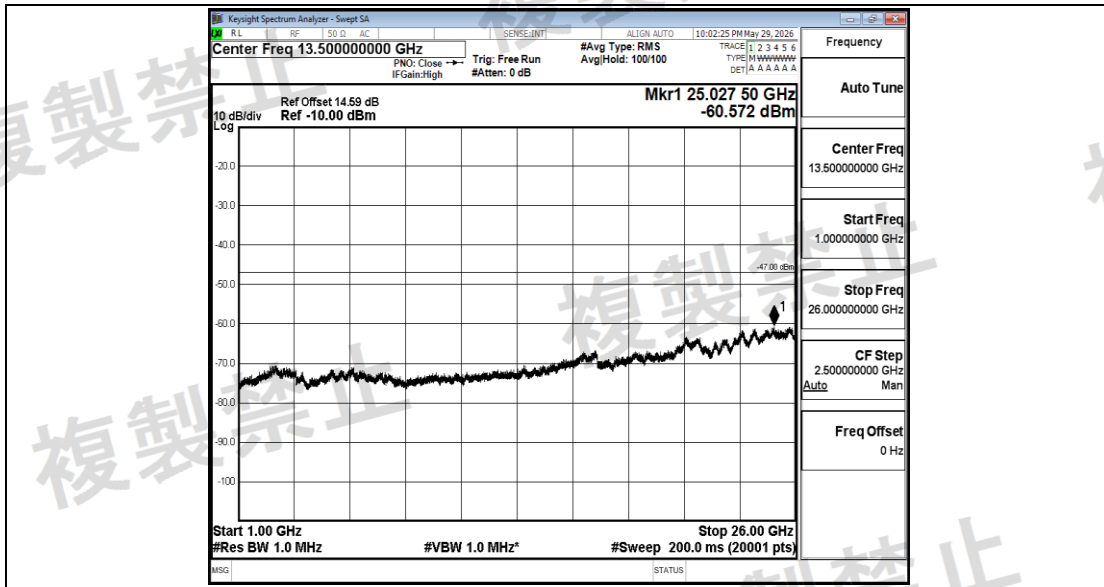
NTNV_11AX40SISO_Ant1_5190_1000~26000



NTNV_11AX40SISO_Ant1_5230_30~1000



NTNV_11AX40SISO_Ant1_5230_1000~26000

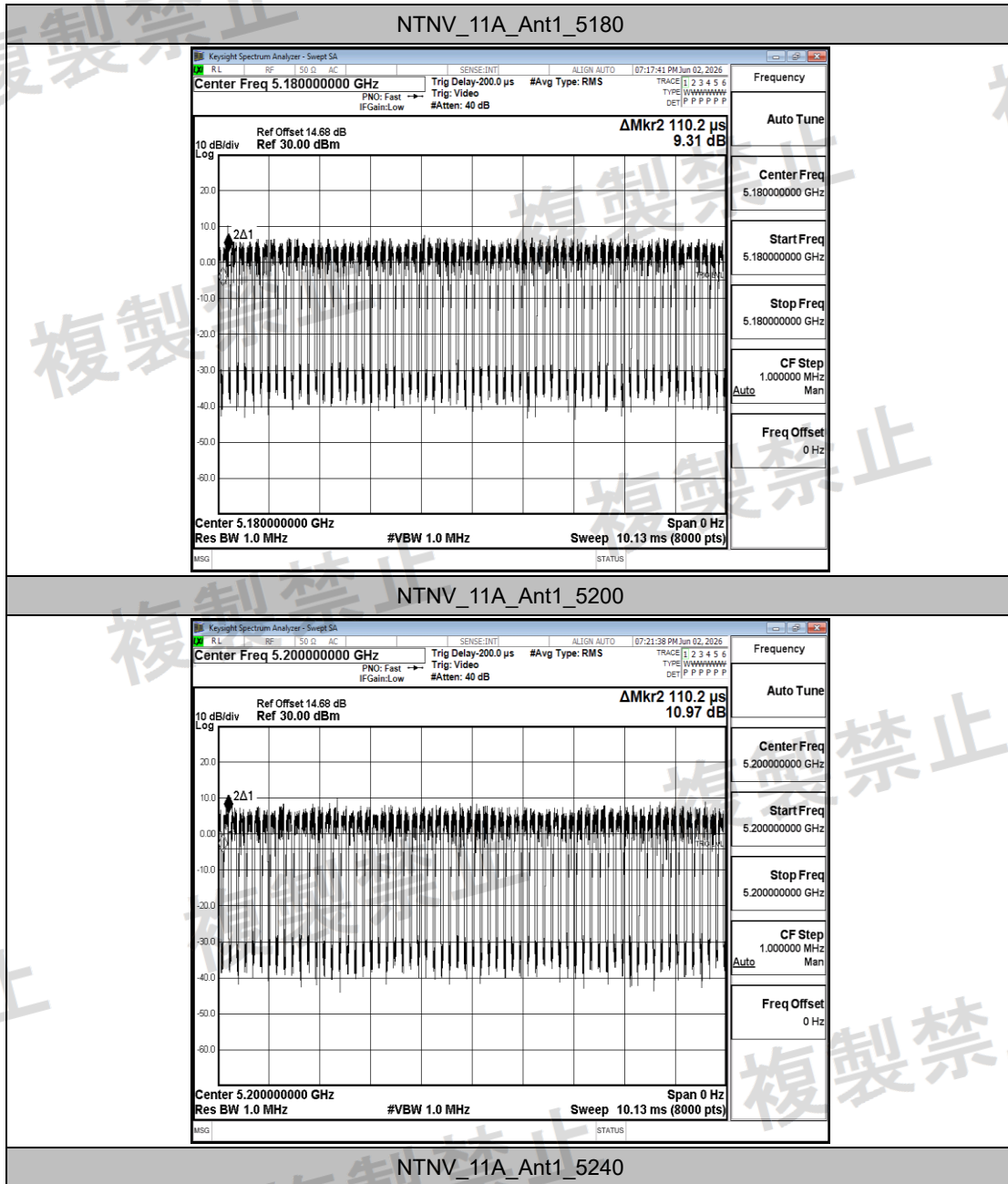


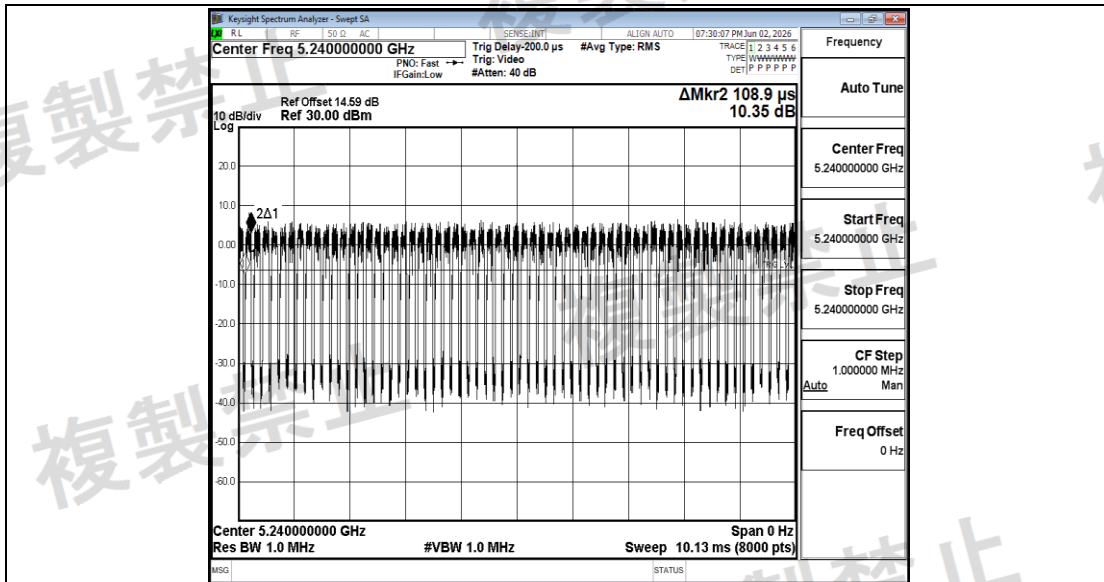
A.6 Transmission Burst Length

Test Result

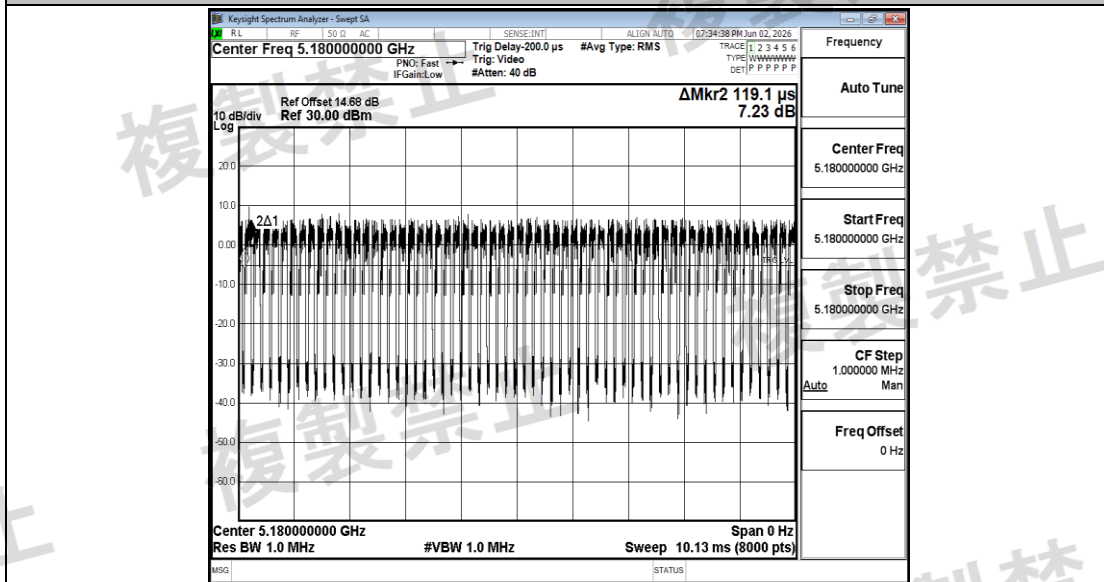
TestCondition	TestMode	Antenna	Freq (MHz)	Result [ms]	Limit [ms]	Verdict
NTNV	11A	Ant1	5180	0.11	≤8	PASS
			5200	0.11	≤8	PASS
			5240	0.11	≤8	PASS
	11N20SISO	Ant1	5180	0.12	≤8	PASS
			5200	0.12	≤8	PASS
			5240	0.12	≤8	PASS
	11N40SISO	Ant1	5190	0.00	≤8	PASS
			5230	0.00	≤8	PASS
	11AC20SISO	Ant1	5180	0.13	≤8	PASS
			5200	0.13	≤8	PASS
			5240	0.13	≤8	PASS
	11AC40SISO	Ant1	5190	0.00	≤8	PASS
			5230	0.00	≤8	PASS
	11AX20SISO	Ant1	5180	0.13	≤8	PASS
			5200	0.13	≤8	PASS
			5240	0.13	≤8	PASS
	11AX40SISO	Ant1	5190	0.00	≤8	PASS
			5230	0.00	≤8	PASS

Test Graphs

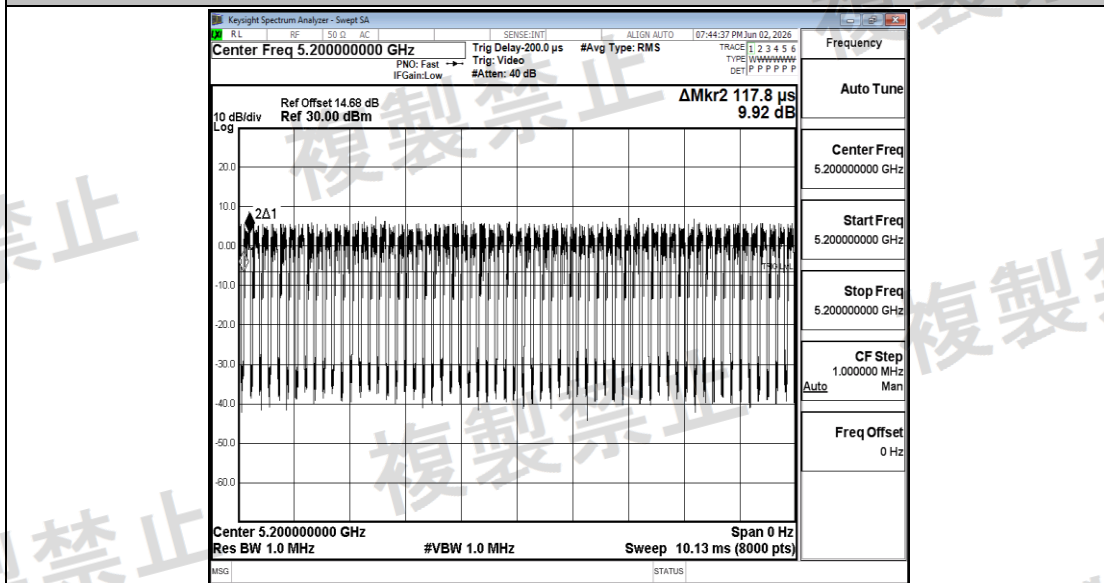




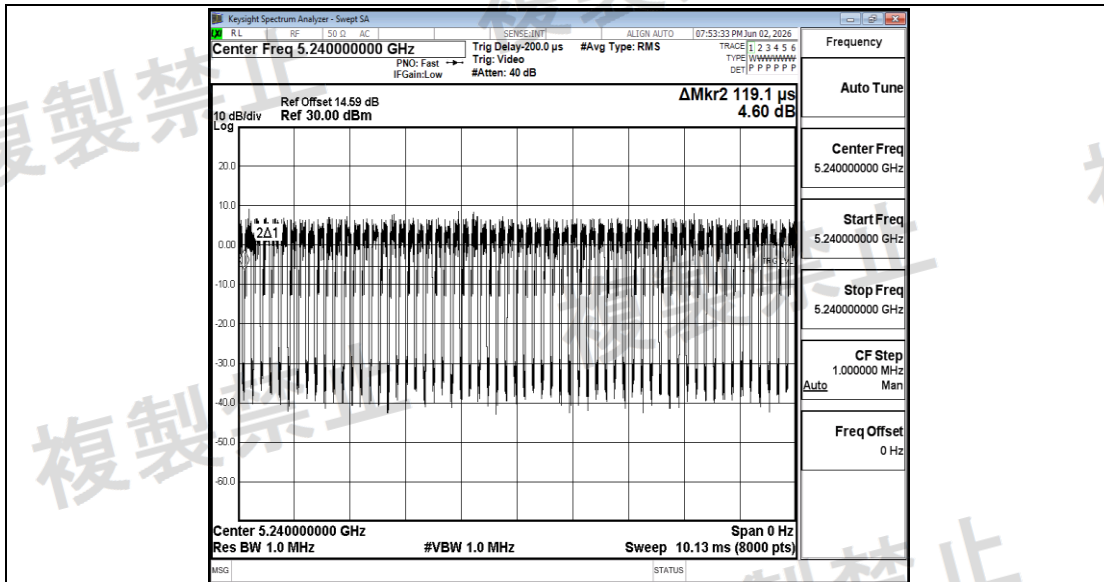
NTNV_11N20SISO_Ant1_5180



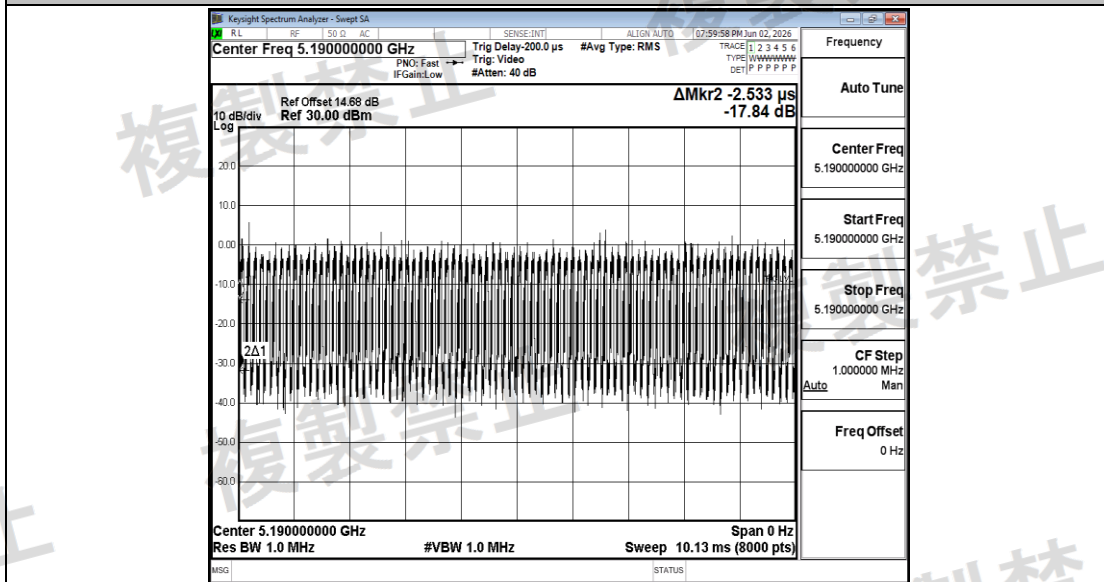
NTNV_11N20SISO_Ant1_5200



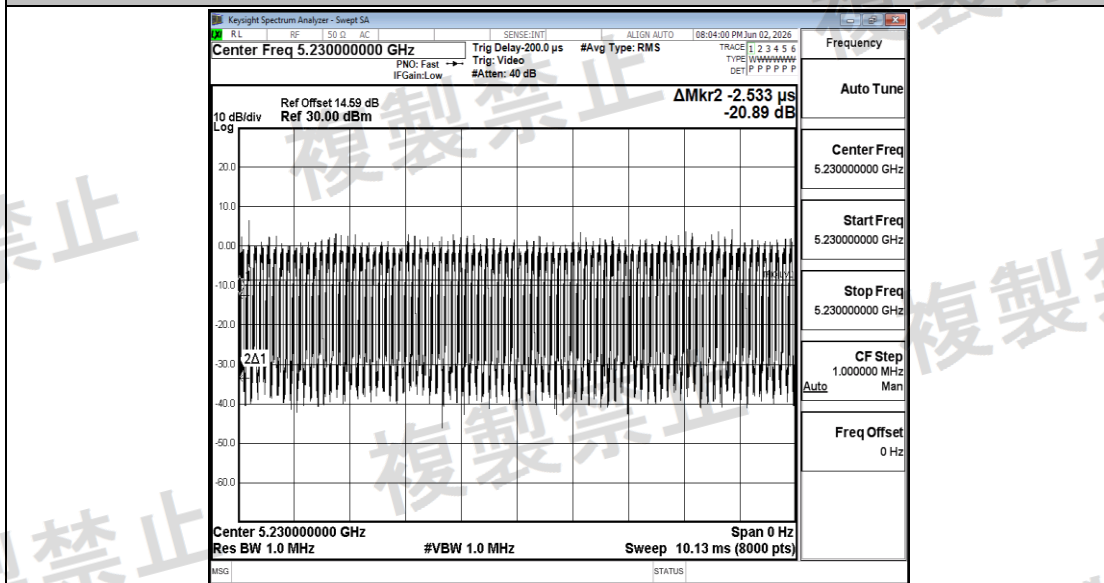
NTNV_11N20SISO_Ant1_5240



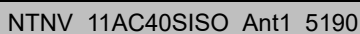
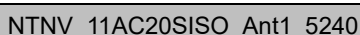
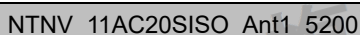
NTNV_11N40SISO_Ant1_5190

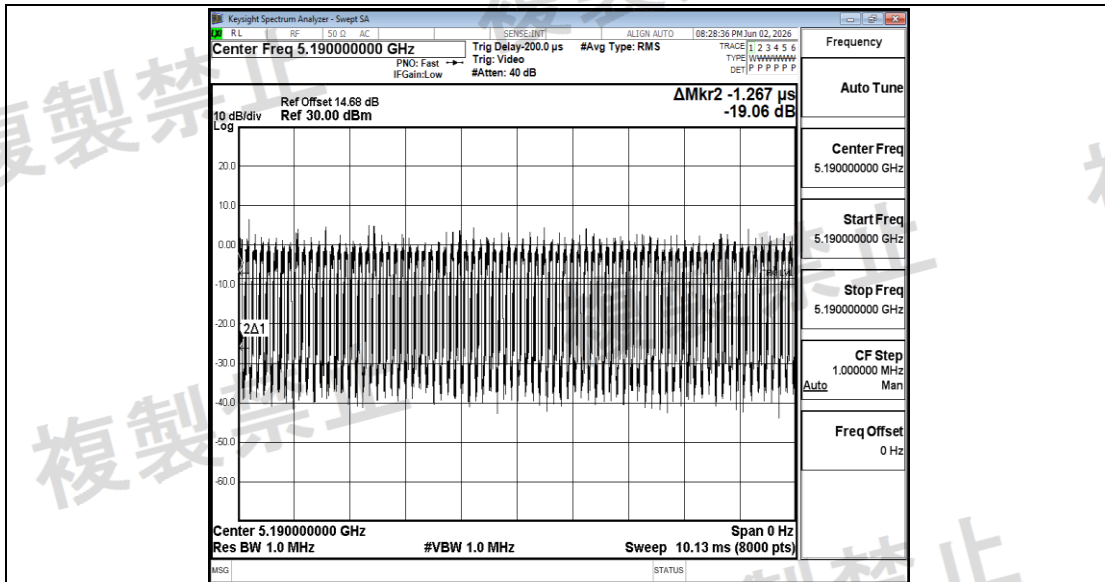


NTNV_11N40SISO_Ant1_5230

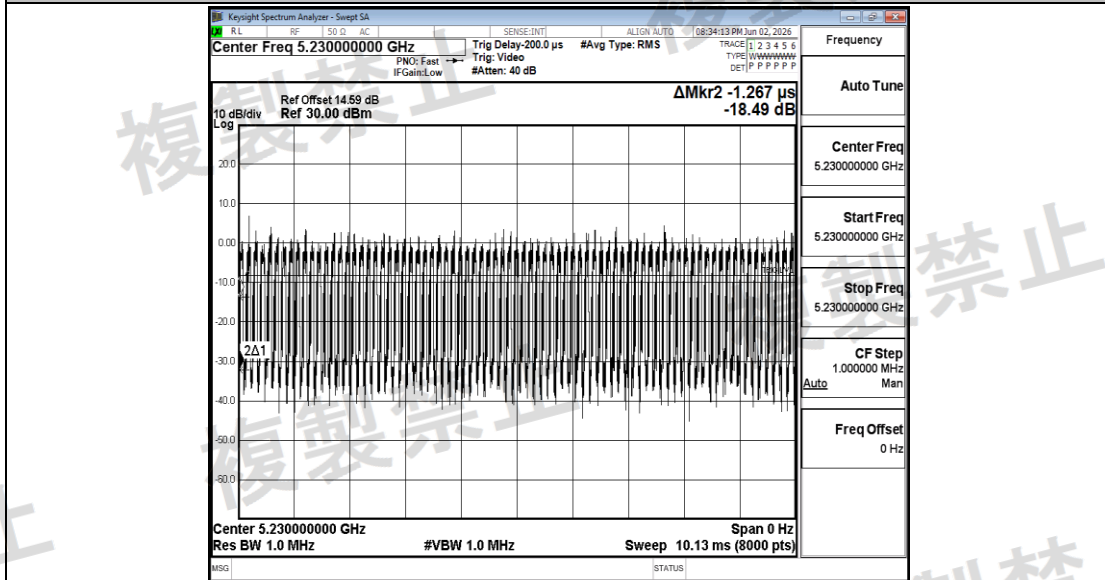


NTNV_11AC20SISO_Ant1_5180

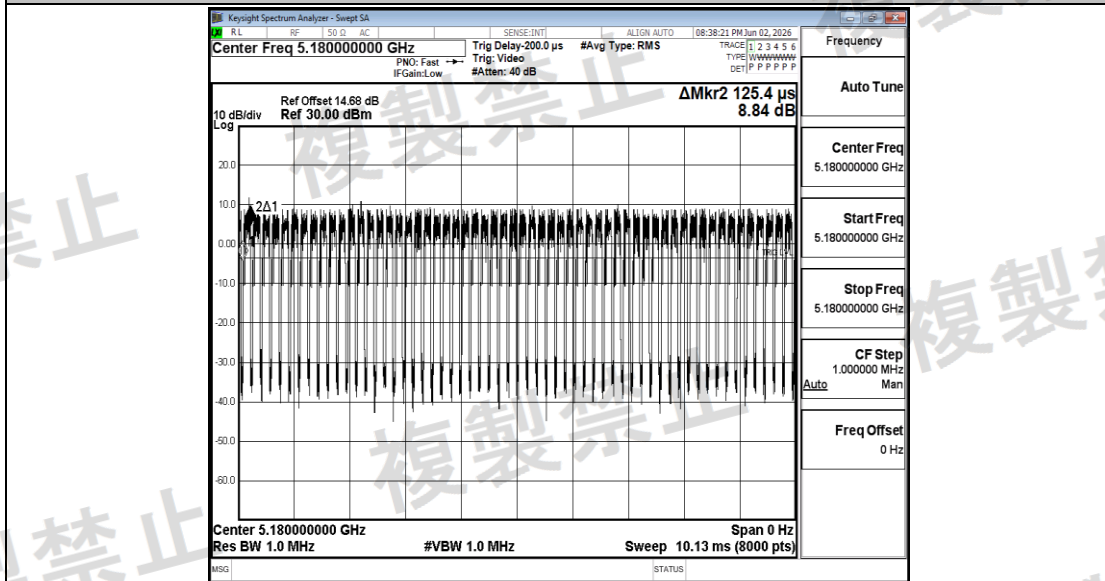




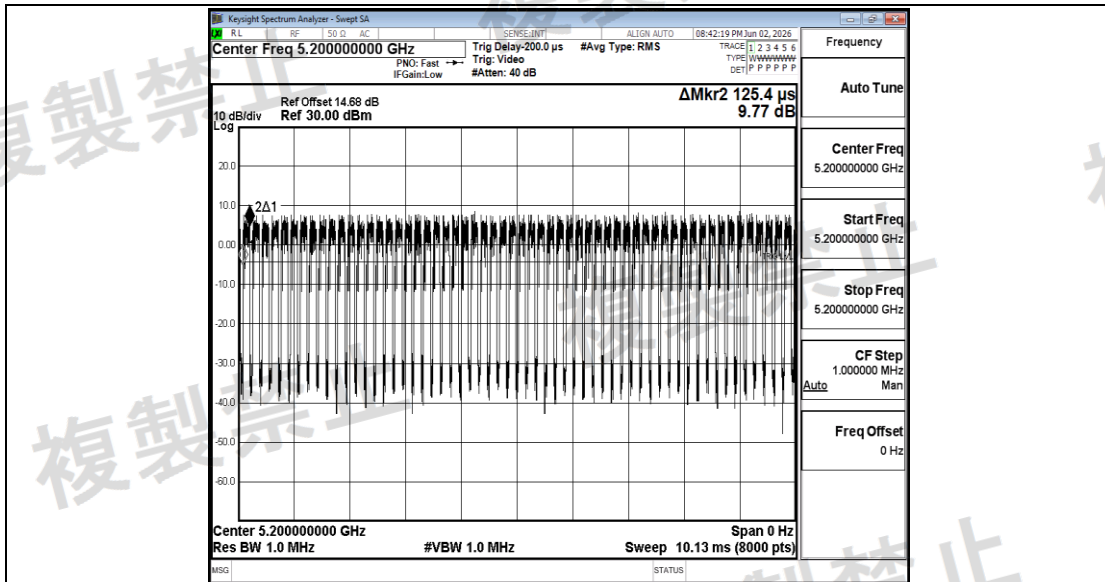
NTNV_11AC40SISO_Ant1_5230



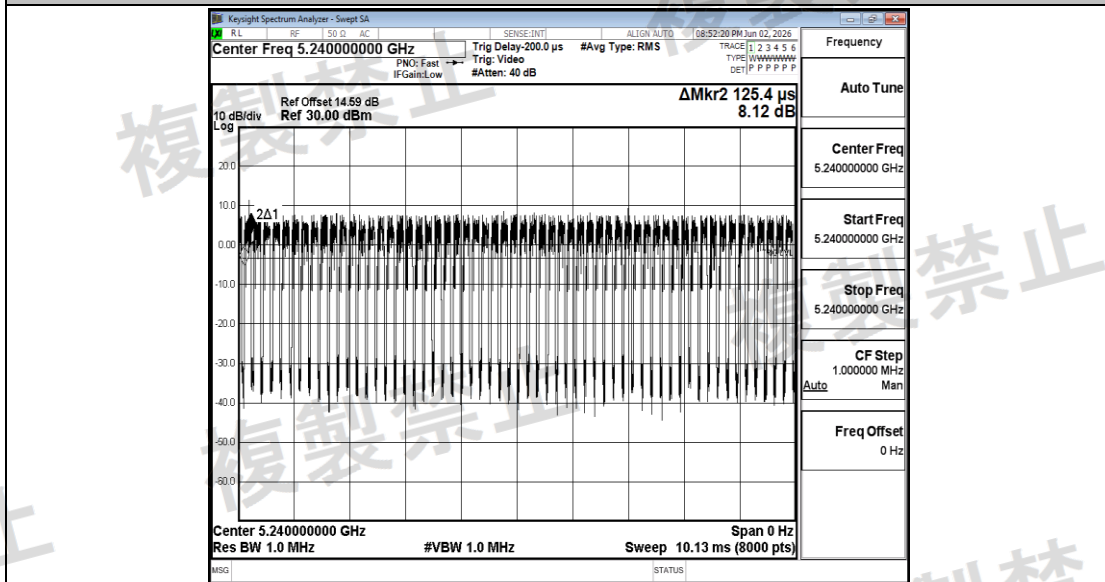
NTNV_11AX20SISO_Ant1_5180



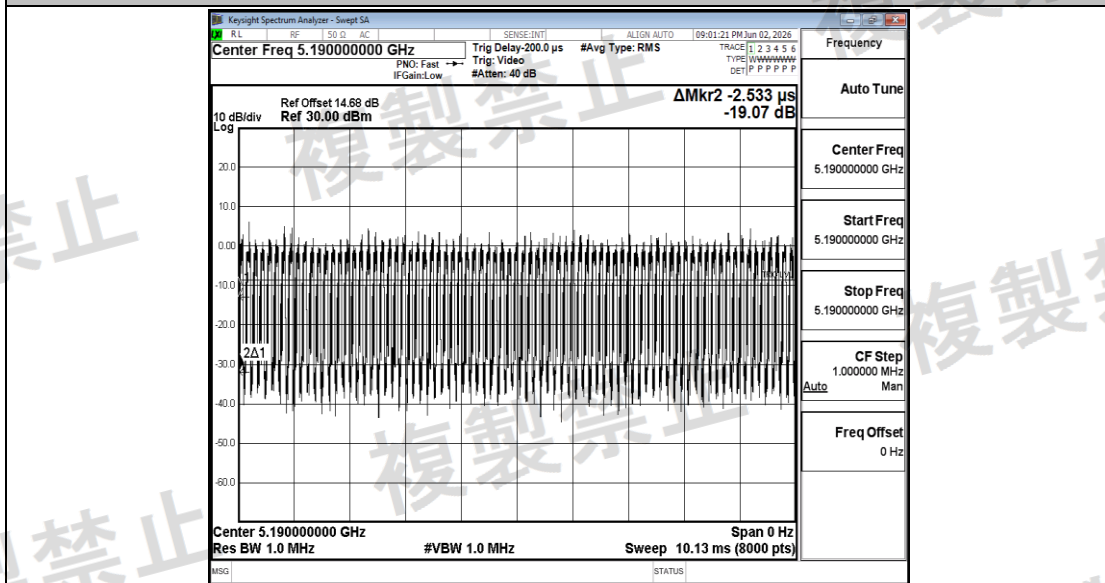
NTNV_11AX20SISO_Ant1_5200



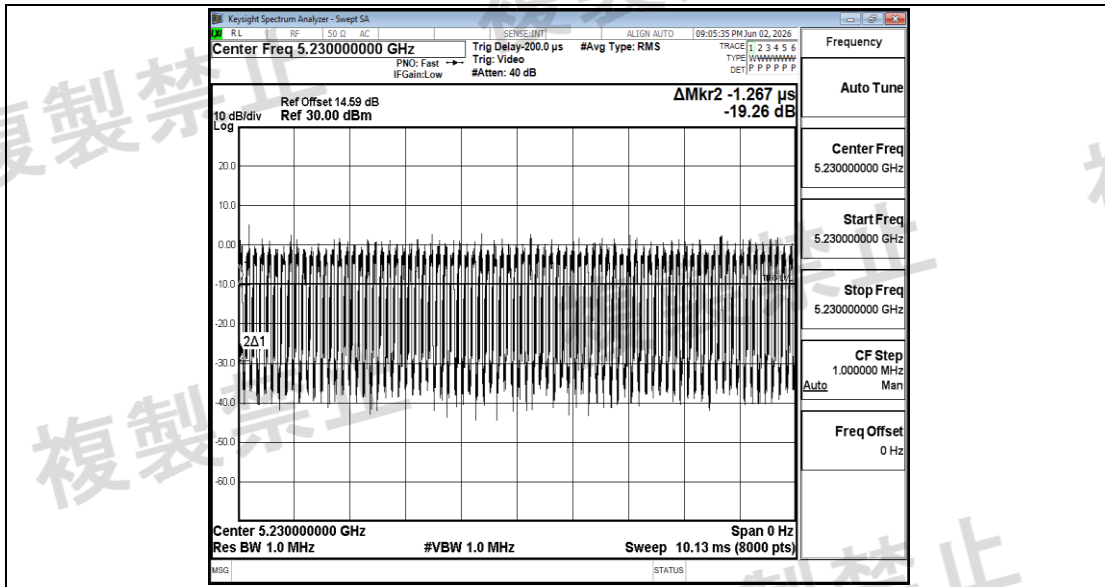
NTVN_11AX20SISO_Ant1_5240



NTVN_11AX40SISO_Ant1_5190



NTVN_11AX40SISO_Ant1_5230



A.7 Adjacent Channel Power Tolerance

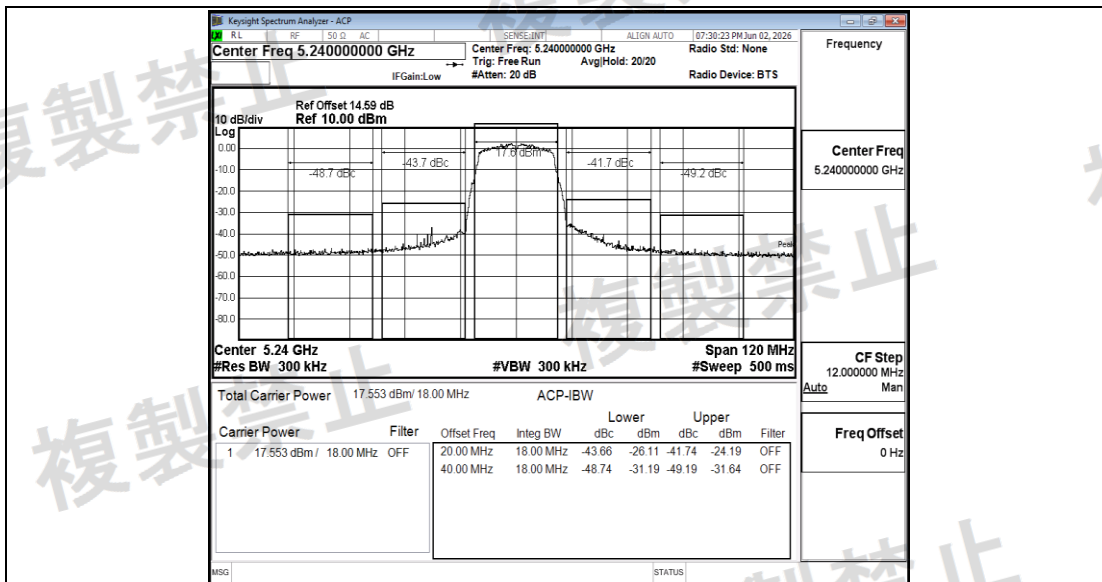
Test Result

Test Condition	Test Mode	Antenna	Freq (MHz)	Offset [MHz]	Result [dBc]	Limit [dBc]	Verdict
NTNV	11A	Ant1	5180	-40	-49.14	≤ -40	PASS
				-20	-39.26	≤ -25	PASS
				+20	-38.40	≤ -25	PASS
				+40	-48.83	≤ -40	PASS
			5200	-40	-49.55	≤ -40	PASS
				-20	-36.78	≤ -25	PASS
				+20	-37.03	≤ -25	PASS
				+40	-49.56	≤ -40	PASS
			5240	-40	-48.74	≤ -40	PASS
				-20	-43.66	≤ -25	PASS
				+20	-41.74	≤ -25	PASS
				+40	-49.19	≤ -40	PASS
	11N20SI SO	Ant1	5180	-40	-49.18	≤ -40	PASS
				-20	-38.33	≤ -25	PASS
				+20	-38.05	≤ -25	PASS
				+40	-49.04	≤ -40	PASS
			5200	-40	-48.99	≤ -40	PASS
				-20	-40.68	≤ -25	PASS
				+20	-39.70	≤ -25	PASS
				+40	-49.14	≤ -40	PASS
			5240	-40	-49.31	≤ -40	PASS
				-20	-37.69	≤ -25	PASS
				+20	-37.16	≤ -25	PASS
				+40	-49.47	≤ -40	PASS
	11N40SI SO	Ant1	5190	-80	-46.70	≤ -40	PASS
				-40	-37.55	≤ -25	PASS
				+40	-36.21	≤ -25	PASS
			5230	+80	-46.70	≤ -40	PASS
				-80	-47.42	≤ -40	PASS
				-40	-34.70	≤ -25	PASS
	11AC20S ISO	Ant1	5180	+40	-33.82	≤ -25	PASS
				+80	-46.80	≤ -40	PASS
				-40	-49.43	≤ -40	PASS
			5200	-20	-37.59	≤ -25	PASS
				+20	-37.70	≤ -25	PASS
				+40	-49.36	≤ -40	PASS
			5200	-40	-47.96	≤ -40	PASS
				-20	-40.58	≤ -25	PASS

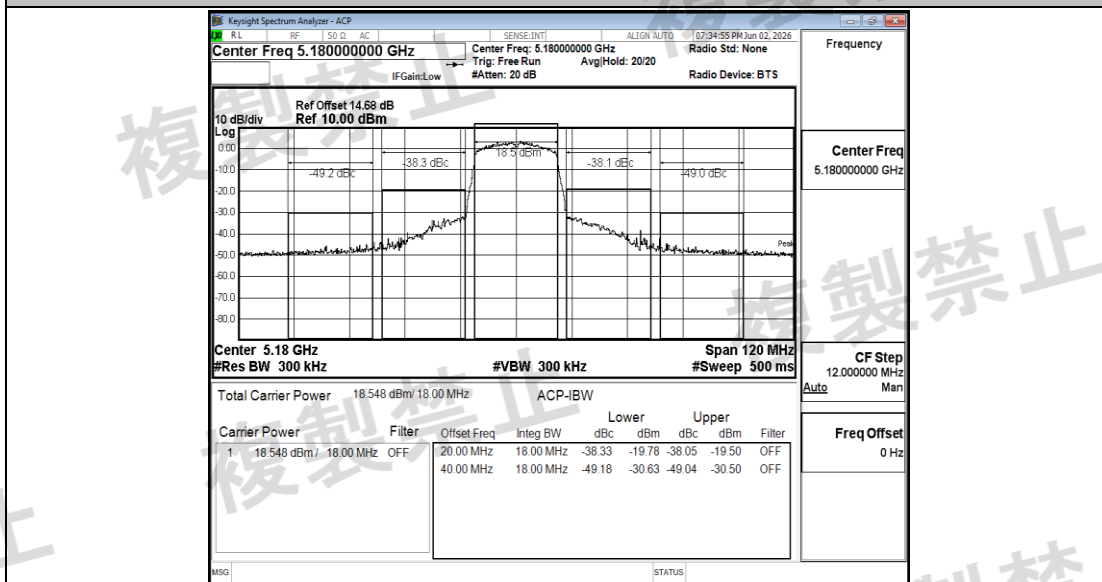
			5240	+20	-39.57	≤-25	PASS
				+40	-47.51	≤-40	PASS
				-40	-49.70	≤-40	PASS
				-20	-41.73	≤-25	PASS
				+20	-39.79	≤-25	PASS
				+40	-50.00	≤-40	PASS
	11AC40S ISO	Ant1	5190	-80	-46.47	≤-40	PASS
				-40	-33.09	≤-25	PASS
				+40	-33.28	≤-25	PASS
				+80	-45.90	≤-40	PASS
			5230	-80	-47.01	≤-40	PASS
				-40	-34.04	≤-25	PASS
				+40	-33.70	≤-25	PASS
				+80	-46.44	≤-40	PASS
	11AX20S ISO	Ant1	5180	-40	-48.18	≤-40	PASS
				-20	-33.22	≤-25	PASS
				+20	-34.13	≤-25	PASS
				+40	-47.96	≤-40	PASS
			5200	-40	-47.31	≤-40	PASS
				-20	-37.70	≤-25	PASS
				+20	-37.19	≤-25	PASS
				+40	-46.88	≤-40	PASS
			5240	-40	-49.54	≤-40	PASS
				-20	-37.62	≤-25	PASS
				+20	-37.36	≤-25	PASS
				+40	-49.64	≤-40	PASS
	11AX40S ISO	Ant1	5190	-80	-46.81	≤-40	PASS
				-40	-33.31	≤-25	PASS
				+40	-33.62	≤-25	PASS
				+80	-46.28	≤-40	PASS
			5230	-80	-47.42	≤-40	PASS
				-40	-34.67	≤-25	PASS
				+40	-34.55	≤-25	PASS
				+80	-47.42	≤-40	PASS

Test Graphs

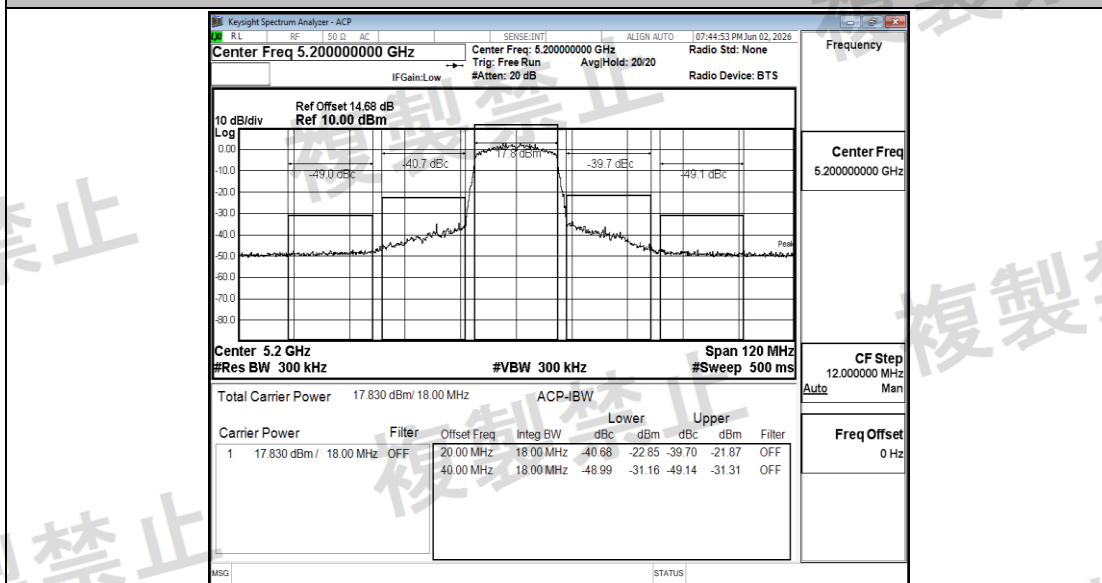




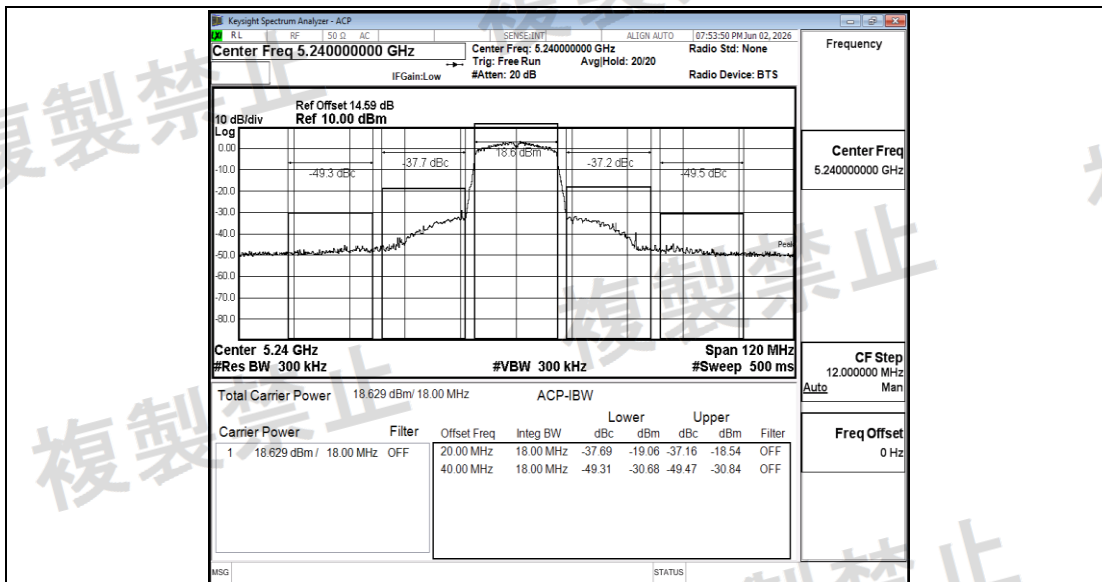
NTNV_11N20SISO_Ant1_5180



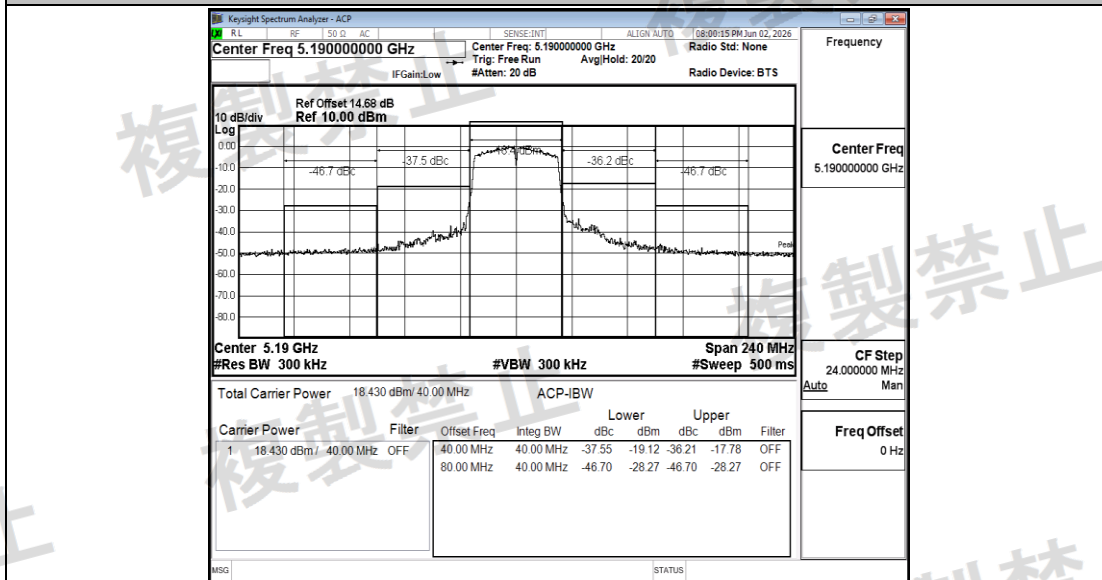
NTNV_11N20SISO_Ant1_5200



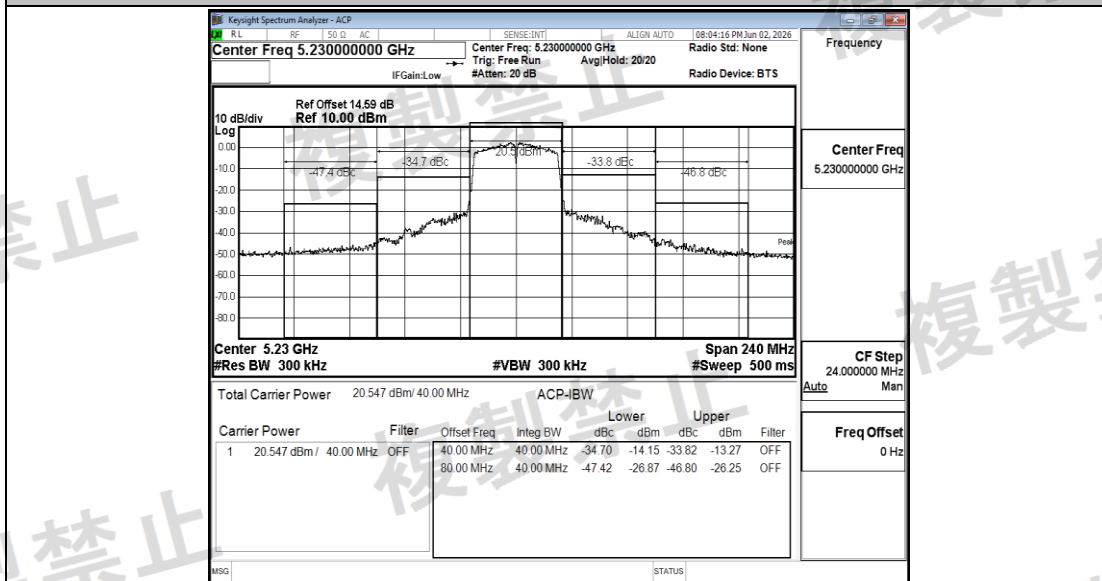
NTNV_11N20SISO_Ant1_5240



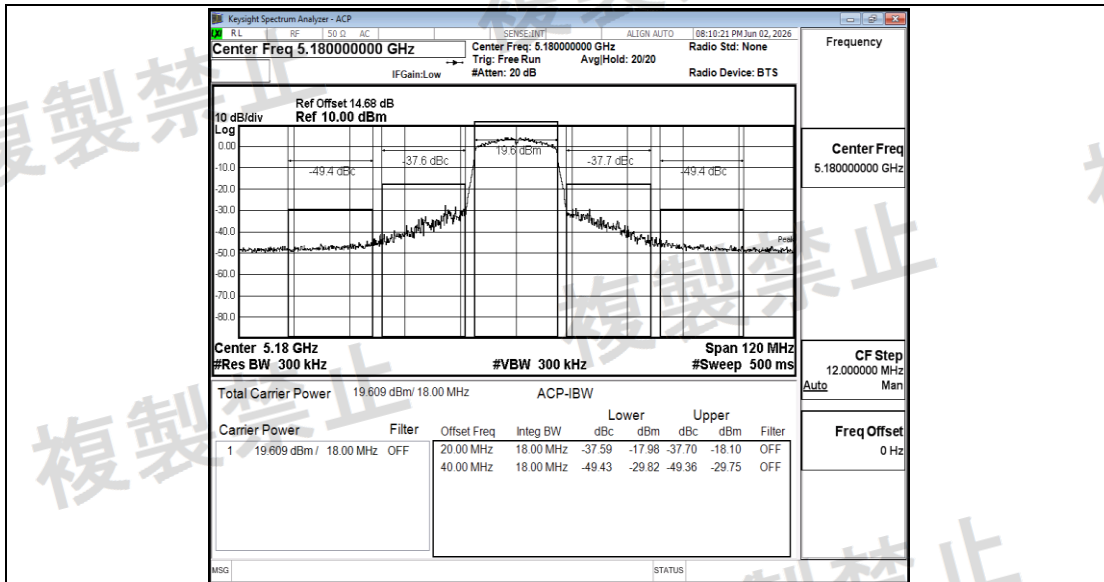
NTNV_11N40SISO_Ant1_5190



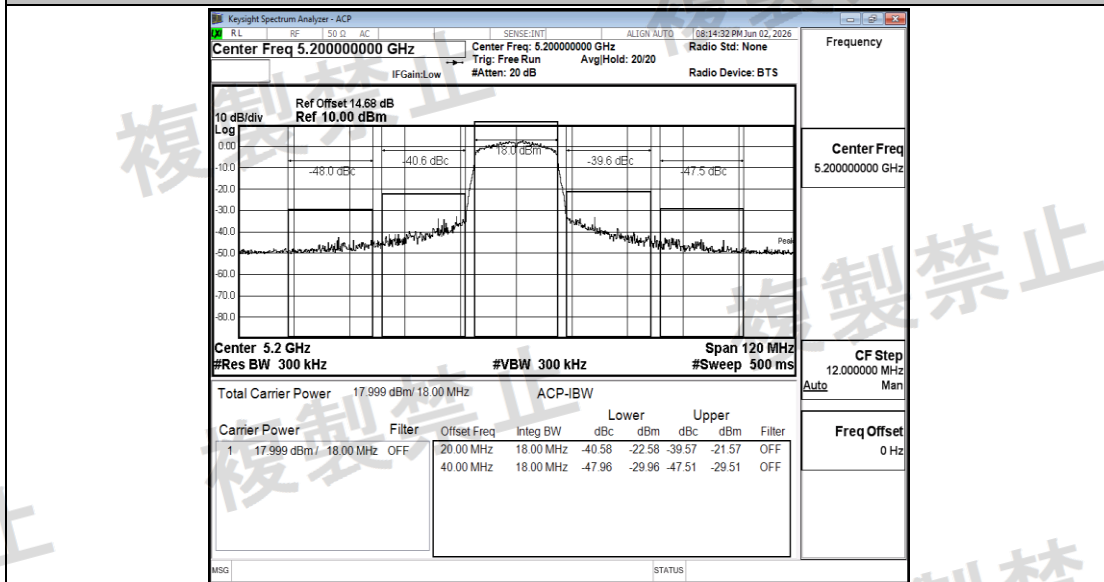
NTNV_11N40SISO_Ant1_5230



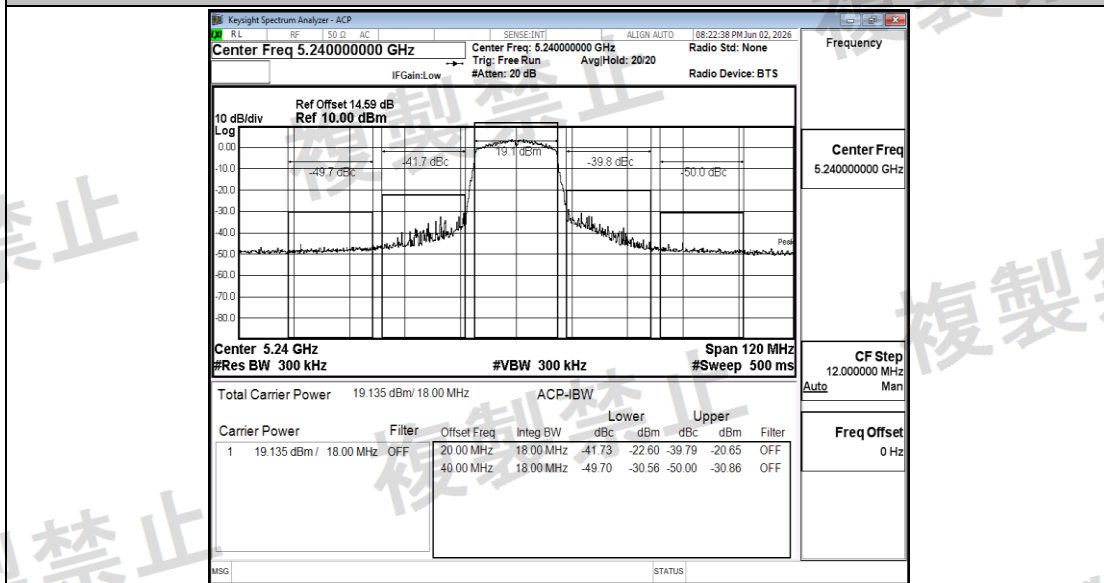
NTNV_11AC20SISO_Ant1_5180



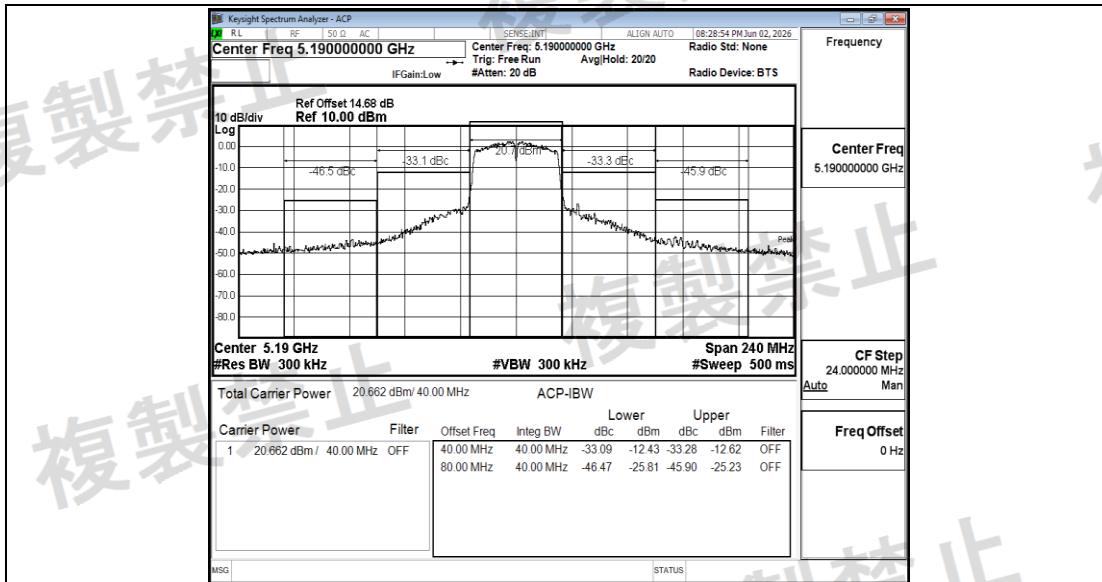
NTNV_11AC20SISO_Ant1_5200



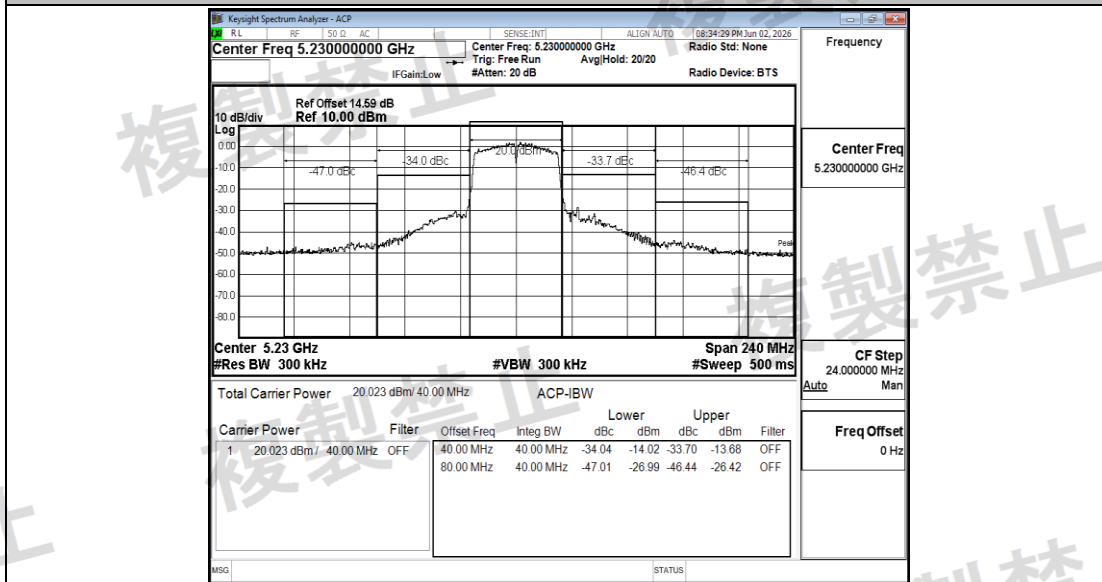
NTNV_11AC20SISO_Ant1_5240



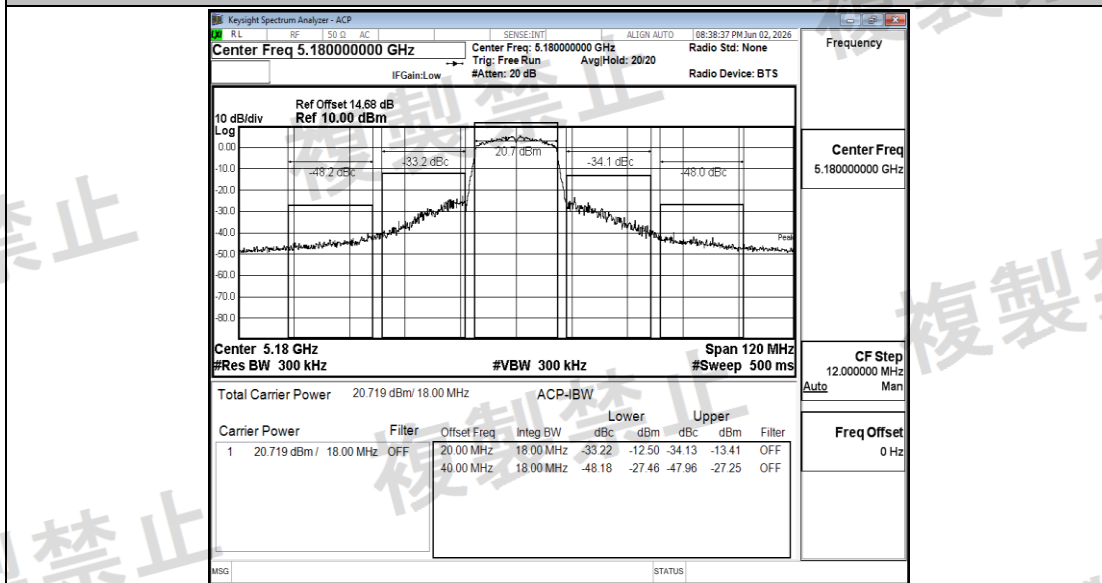
NTNV_11AC40SISO_Ant1_5190



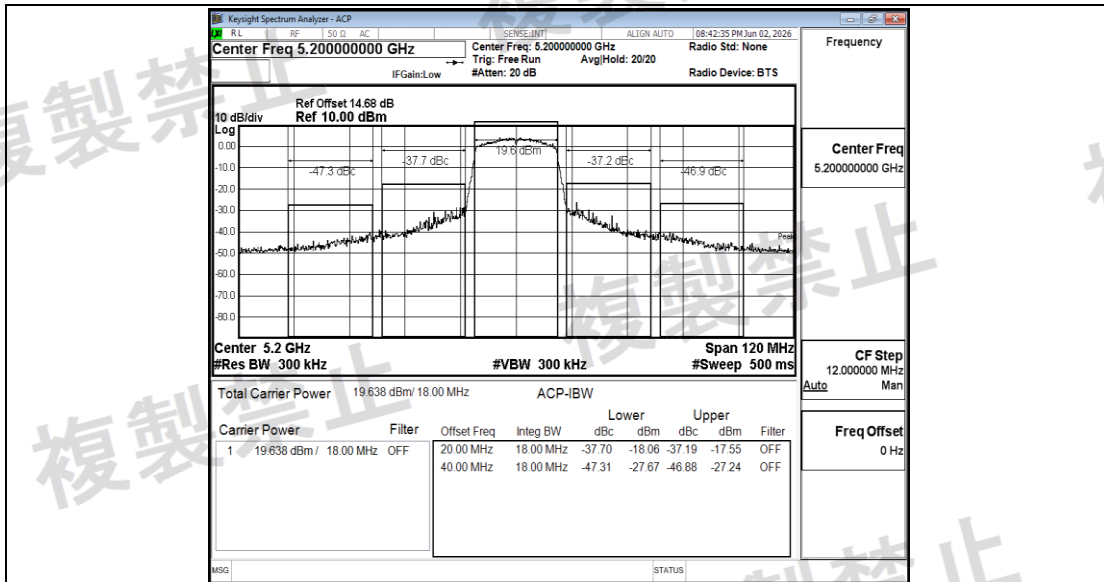
NTNV_11AC40SISO_Ant1_5230



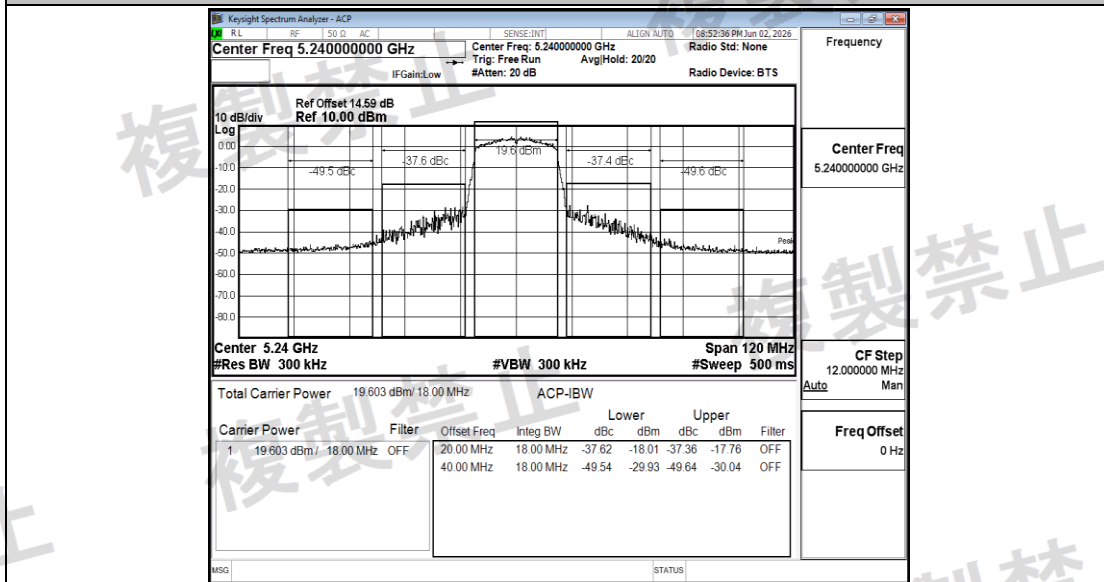
NTNV_11AX20SISO_Ant1_5180



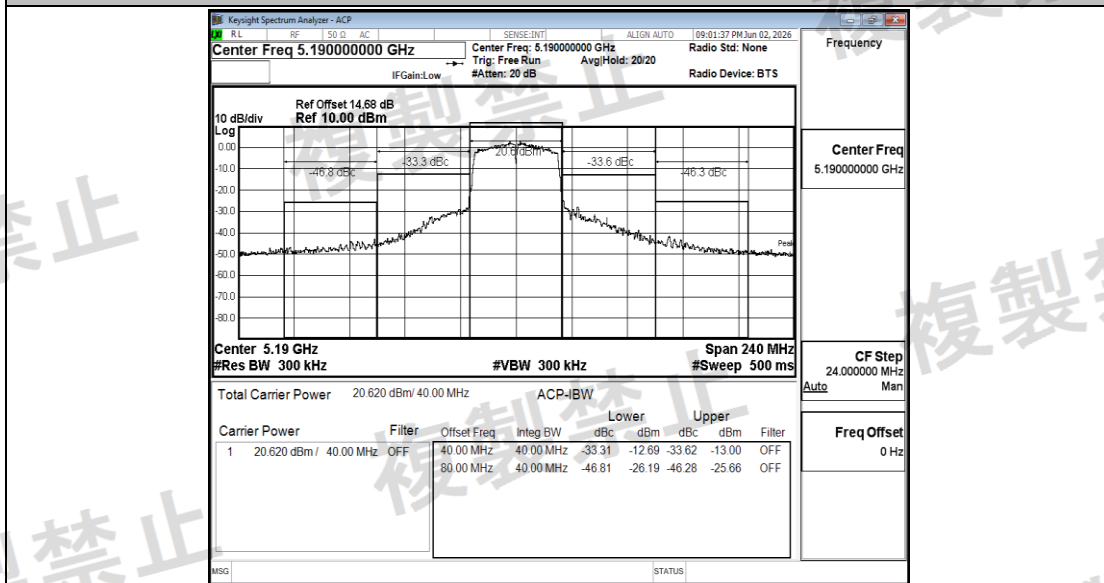
NTNV_11AX20SISO_Ant1_5200



NTNV_11AX20SISO_Ant1_5240



NTNV_11AX40SISO_Ant1_5190



NTNV_11AX40SISO_Ant1_5230

