

Appendix A. Test Result of Antenna Power, Antenna Power Tolerance and E.I.R.P

Antenna Power

Test Conditions	Modulation	Frequency (MHz)	Antenna Power (dBm)	Antenna Power (mW)	Limit (mW)	Result
V _{nom}	GFSK (1Mbps)	2402	6.52	4.4875	10.0000	Pass
		2440	6.35	4.3152	10.0000	Pass
		2480	6.51	4.4771	10.0000	Pass
	GFSK (2Mbps)	2404	6.51	4.4771	10.0000	Pass
		2440	6.35	4.3152	10.0000	Pass
		2478	6.52	4.4875	10.0000	Pass

Antenna Power With Duty Factor

Antenna Power Tolerance

Test Conditions	Modulation	Frequency (MHz)	Declared Antenna Power (mW)	Antenna Power (mW)	Antenna Power Tolerance (%)	Limit (%)	Result
V _{nom}	GFSK (1Mbps)	2402	4.4875	4.4875	0.00	+20	Pass
		2440	4.4875	4.3152	-3.84	+20	Pass
		2480	4.4875	4.4771	-0.23	+20	Pass
	GFSK (2Mbps)	2404	4.4875	4.4771	-0.23	+20	Pass
		2440	4.4875	4.3152	-3.84	+20	Pass
		2478	4.4875	4.4875	0.00	+20	Pass

Note: Antenna Power Tolerance (%) = (Antenna Power (mW) - Declared Antenna Power (mW)) / Declared Antenna Power (mW) * 100%.

E.I.R.P.

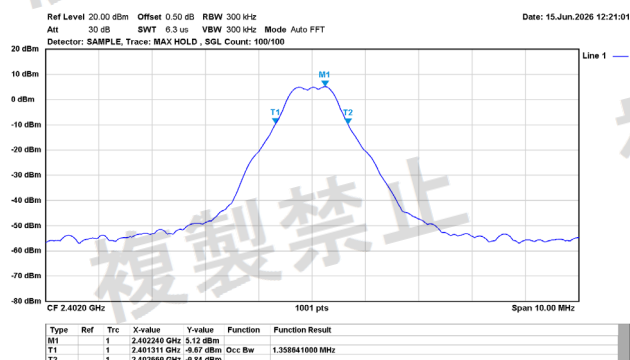
Test Conditions	Modulation	Frequency (MHz)	Antenna Power (dBm)	Maximum Antenna Gain (dBi)	E.I.R.P. (dBm)	Limit (dBm)	Result
V _{nom}	GFSK (1Mbps)	2402	6.52	3.20	9.72	12.14	Pass
		2440	6.35	3.20	9.55	12.14	Pass
		2480	6.51	3.20	9.71	12.14	Pass
	GFSK (2Mbps)	2404	6.51	3.20	9.71	12.14	Pass
		2440	6.35	3.20	9.55	12.14	Pass
		2478	6.52	3.20	9.72	12.14	Pass

Note: E.I.R.P. (dBm) = Antenna Power (dBm) + Maximum Antenna Gain (dBi).

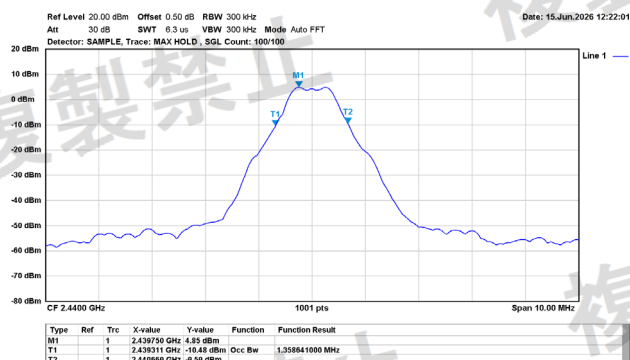
Appendix B. Test Result of Occupied Bandwidth

Test Conditions	Modulation	Frequency (MHz)	Occupied Bandwidth (MHz)	Limit (MHz)	Result
V _{nom}	GFSK (1Mbps)	2402	1.36	≤ 26.00	Pass
		2440	1.36	≤ 26.00	Pass
		2480	1.35	≤ 26.00	Pass
	GFSK (2Mbps)	2404	2.22	≤ 26.00	Pass
		2440	2.19	≤ 26.00	Pass
		2478	2.24	≤ 26.00	Pass

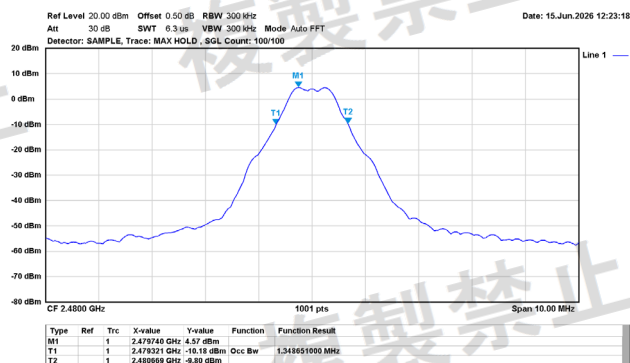
GFSK/1MHz/1M/2402MHz/Ch0/Ant.1 (Nom)



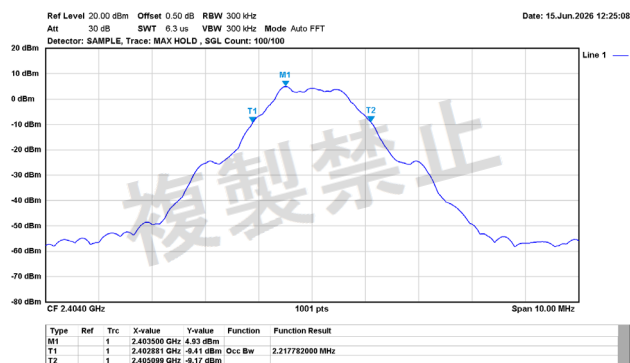
GFSK/1MHz/1M/2440MHz/Ch19/Ant.1 (Nom)



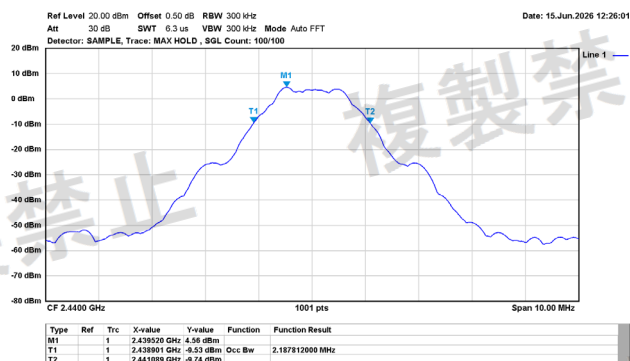
GFSK/1MHz/1M/2480MHz/Ch39/Ant.1 (Nom)



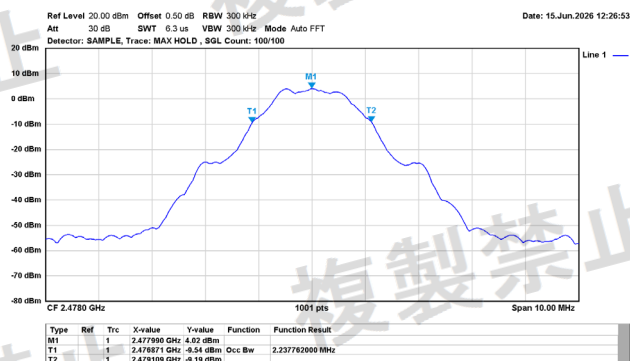
GFSK/2MHz/2M/2404MHz/Ch1/Ant.1 (Nom)



GFSK/2MHz/2M/2440MHz/Ch19/Ant.1 (Nom)



GFSK/2MHz/2M/2478MHz/Ch38/Ant.1 (Nom)



Appendix C. Test Result of Frequency Tolerance

Test Conditions	Modulation	Frequency (MHz)	Reading Value (MHz)	Frequency Tolerance (ppm)	Limit (ppm)	Result
V _{nom}	GFSK (1Mbps)	2402	2401.9952	-2.00	± 50	Pass
		2440	2439.9952	-1.97	± 50	Pass
		2480	2479.9952	-1.94	± 50	Pass
	GFSK (2Mbps)	2404	2403.9952	-2.00	± 50	Pass
		2440	2439.9952	-1.97	± 50	Pass
		2478	2477.9952	-1.94	± 50	Pass

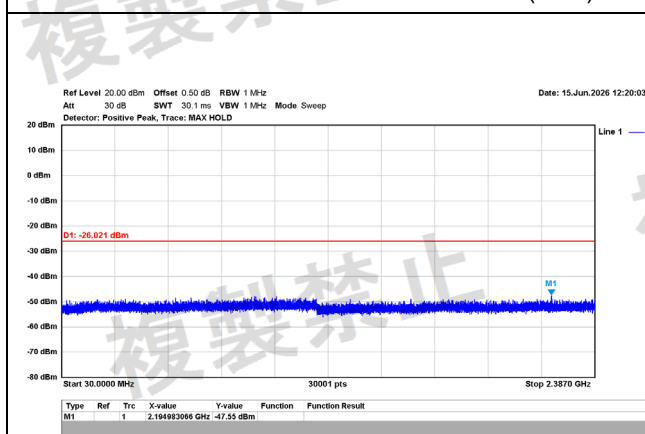
Appendix D. Test Result of Unwanted Emission Strength

Test Conditions	Modulation	Frequency (MHz)	Frequency Range (MHz)	Measurement Value ($\mu\text{W}/\text{MHz}$)	Limit ($\mu\text{W}/\text{MHz}$)	Result
V _{nom}	GFSK (1Mbps)	2402	30 ~ 2387	0.01758	2.50000	Pass
			2387 ~ 2400	3.34965	25.00000	Pass
			2483.5 ~ 2496.5	0.01738	25.00000	Pass
			2496.5 ~ 12500	0.05458	2.50000	Pass
		2440	30 ~ 2387	0.09290	2.50000	Pass
			2387 ~ 2400	0.01637	25.00000	Pass
			2483.5 ~ 2496.5	0.01770	25.00000	Pass
			2496.5 ~ 12500	0.06427	2.50000	Pass
		2480	30 ~ 2387	0.01820	2.50000	Pass
			2387 ~ 2400	0.01660	25.00000	Pass
			2483.5 ~ 2496.5	0.02831	25.00000	Pass
			2496.5 ~ 12500	0.06745	2.50000	Pass

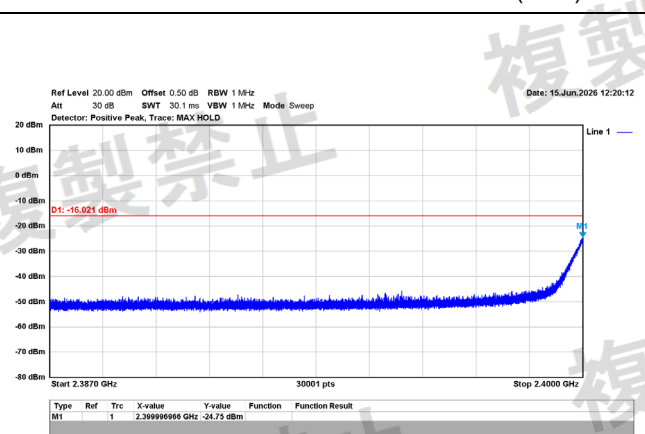
Test Conditions	Modulation	Frequency (MHz)	Frequency Range (MHz)	Measurement Value (μW/MHz)	Limit (μW/MHz)	Result
V _{nom}	GFSK (2Mbps)	2404	30 ~ 2387	0.01932	2.50000	Pass
			2387 ~ 2400	0.02624	25.00000	Pass
			2483.5 ~ 2496.5	0.01807	25.00000	Pass
			2496.5 ~ 12500	0.05129	2.50000	Pass
		2440	30 ~ 2387	0.01644	2.50000	Pass
			2387 ~ 2400	0.01807	25.00000	Pass
			2483.5 ~ 2496.5	0.01816	25.00000	Pass
			2496.5 ~ 12500	0.08072	2.50000	Pass
		2478	30 ~ 2387	0.01637	2.50000	Pass
			2387 ~ 2400	0.01637	25.00000	Pass
			2483.5 ~ 2496.5	0.03020	25.00000	Pass
			2496.5 ~ 12500	0.06281	2.50000	Pass

Measurement Value = (Worst value) x (Number of antenna ports).

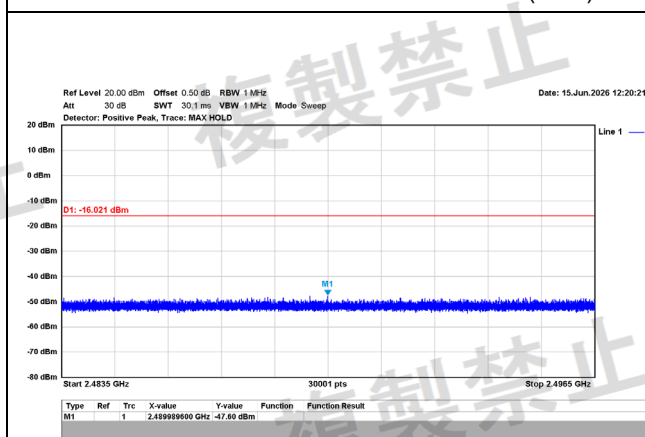
GFSK/1MHz/1M/2402MHz/Ch0/Ant.1/1-4 (Nom)



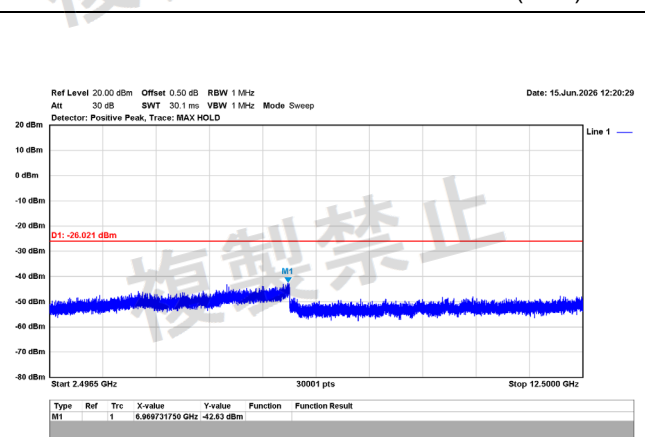
GFSK/1MHz/1M/2402MHz/Ch0/Ant.1/2-4 (Nom)



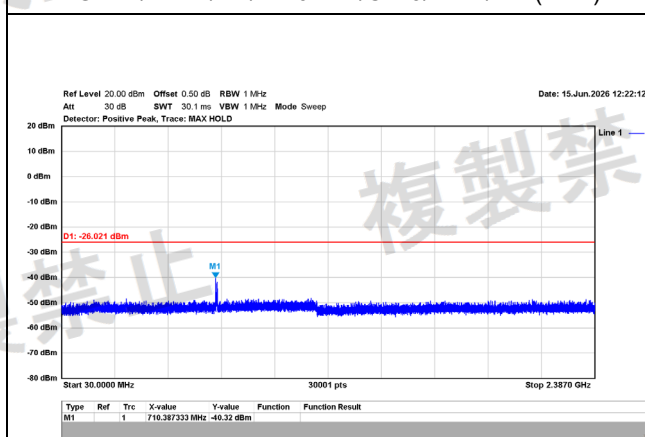
GFSK/1MHz/1M/2402MHz/Ch0/Ant.1/3-4 (Nom)



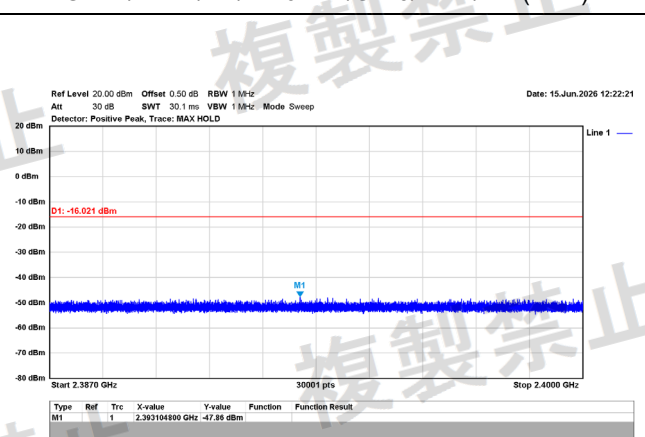
GFSK/1MHz/1M/2402MHz/Ch0/Ant.1/4-4 (Nom)

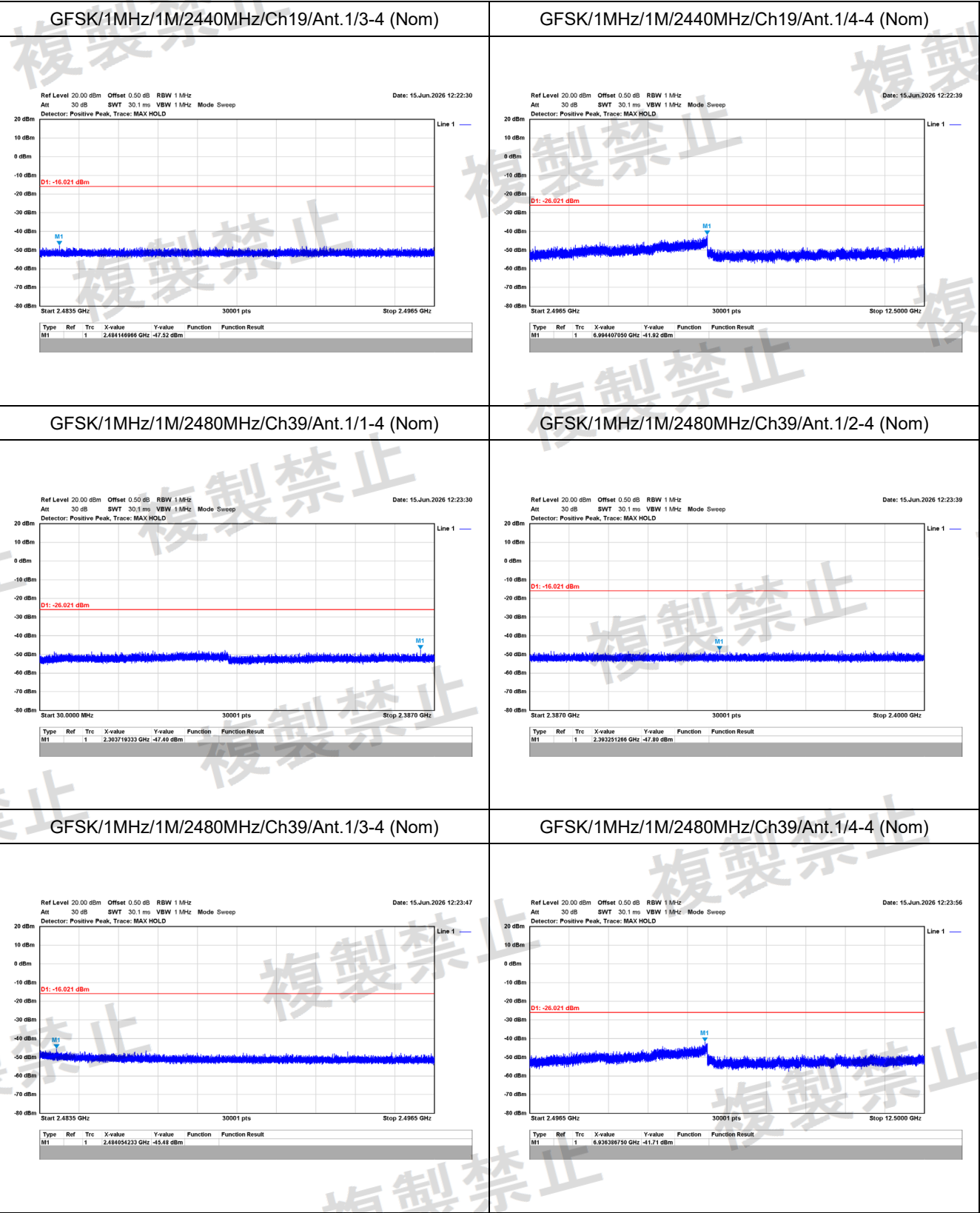


GFSK/1MHz/1M/2440MHz/Ch19/Ant.1/1-4 (Nom)

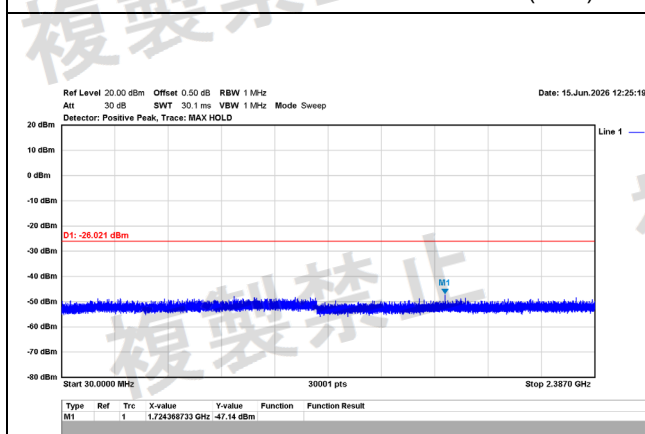


GFSK/1MHz/1M/2440MHz/Ch19/Ant.1/2-4 (Nom)

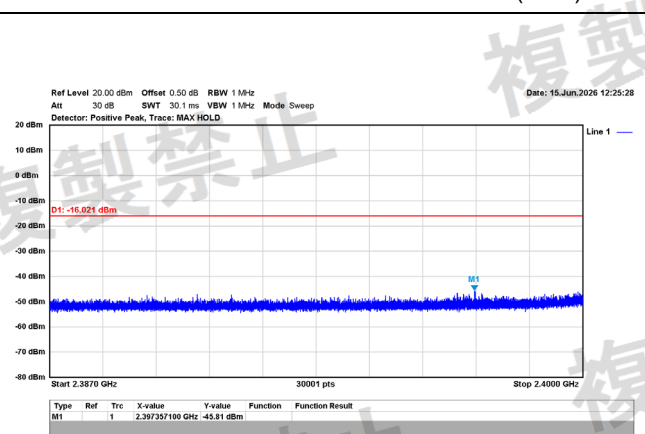




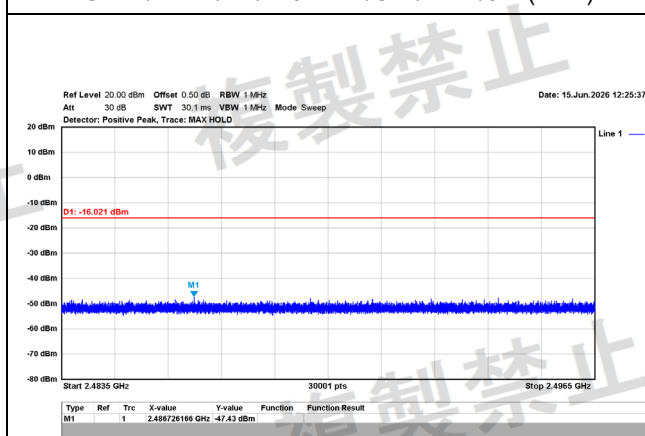
GFSK/2MHz/2M/2404MHz/Ch1/Ant. 1/1-4 (Nom)



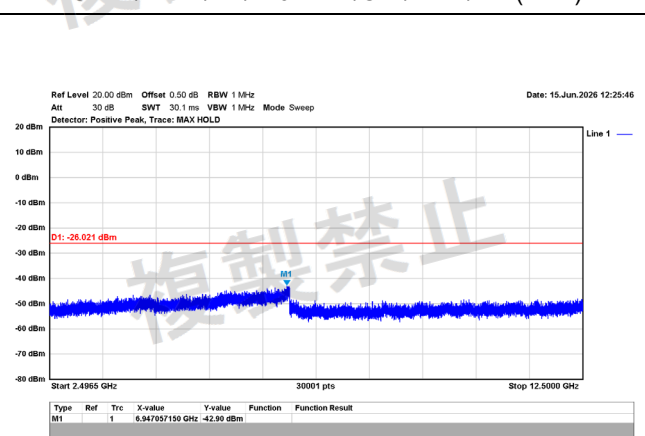
GFSK/2MHz/2M/2404MHz/Ch1/Ant. 1/2-4 (Nom)



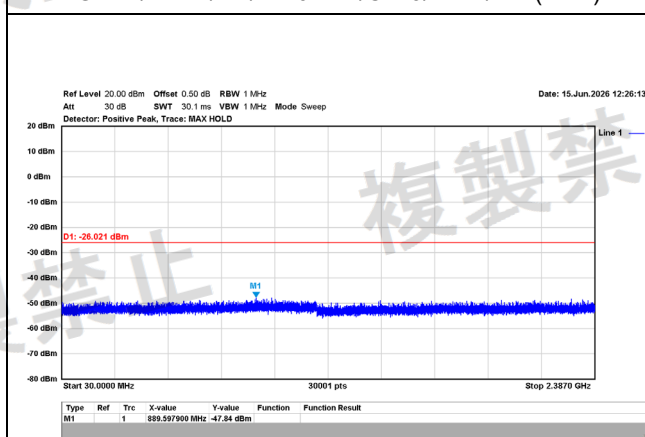
GFSK/2MHz/2M/2404MHz/Ch1/Ant. 1/3-4 (Nom)



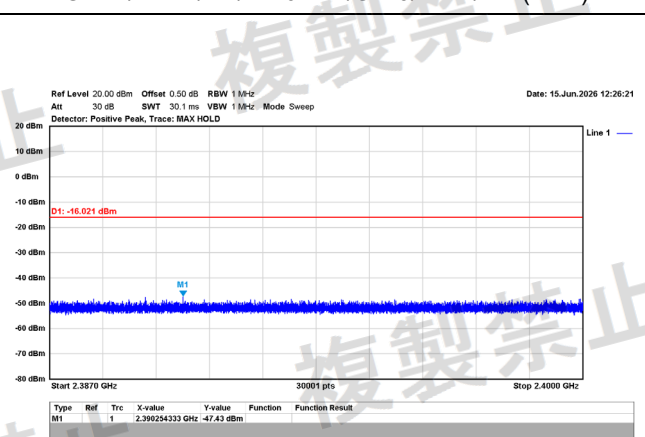
GFSK/2MHz/2M/2404MHz/Ch1/Ant. 1/4-4 (Nom)



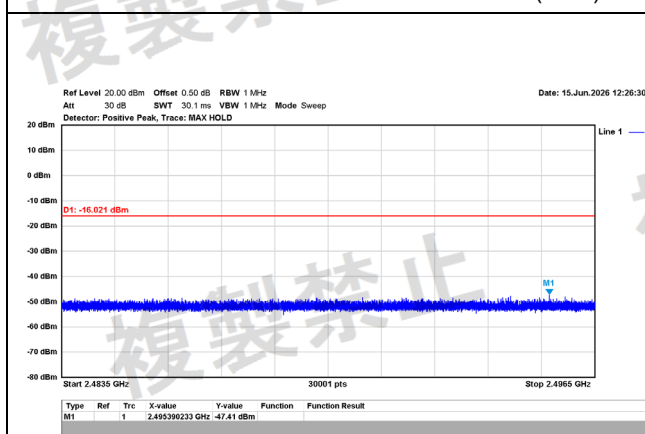
GFSK/2MHz/2M/2440MHz/Ch19/Ant. 1/1-4 (Nom)



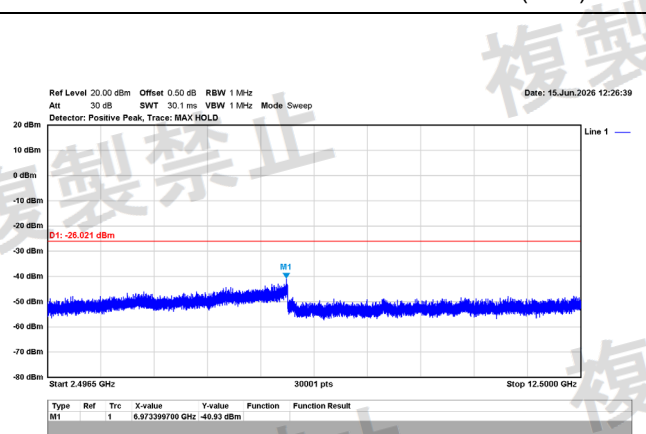
GFSK/2MHz/2M/2440MHz/Ch19/Ant. 1/2-4 (Nom)



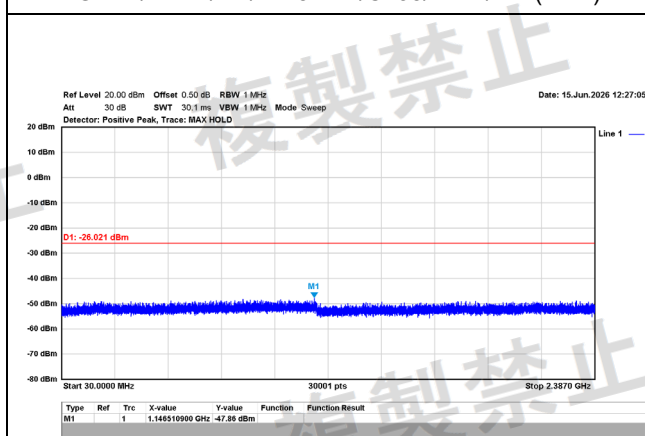
GFSK/2MHz/2M/2440MHz/Ch19/Ant.1/3-4 (Nom)



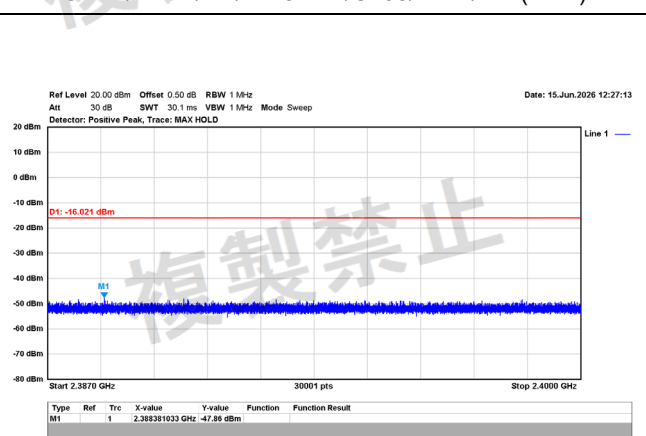
GFSK/2MHz/2M/2440MHz/Ch19/Ant.1/4-4 (Nom)



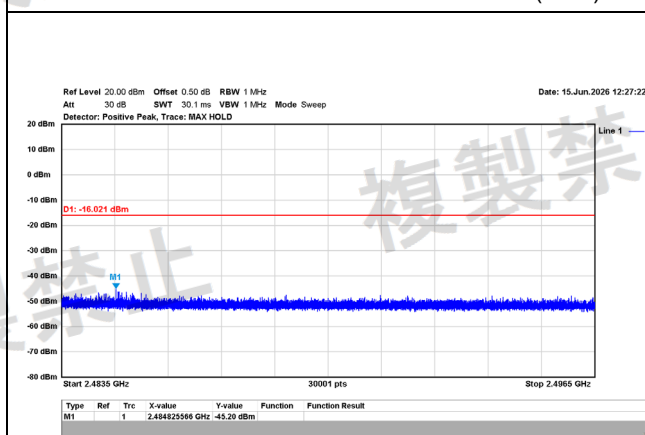
GFSK/2MHz/2M/2478MHz/Ch38/Ant.1/1-4 (Nom)



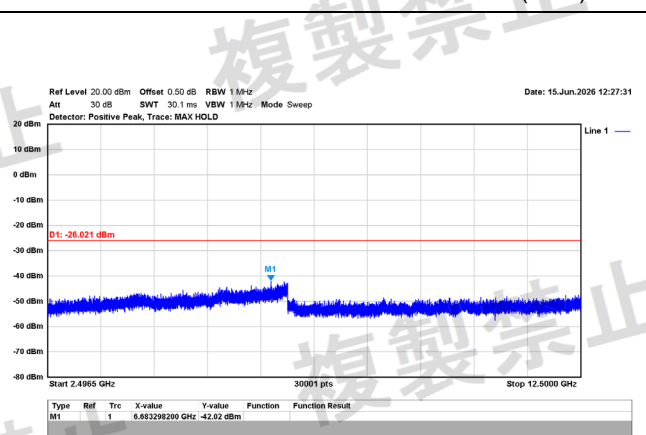
GFSK/2MHz/2M/2478MHz/Ch38/Ant.1/2-4 (Nom)



GFSK/2MHz/2M/2478MHz/Ch38/Ant.1/3-4 (Nom)

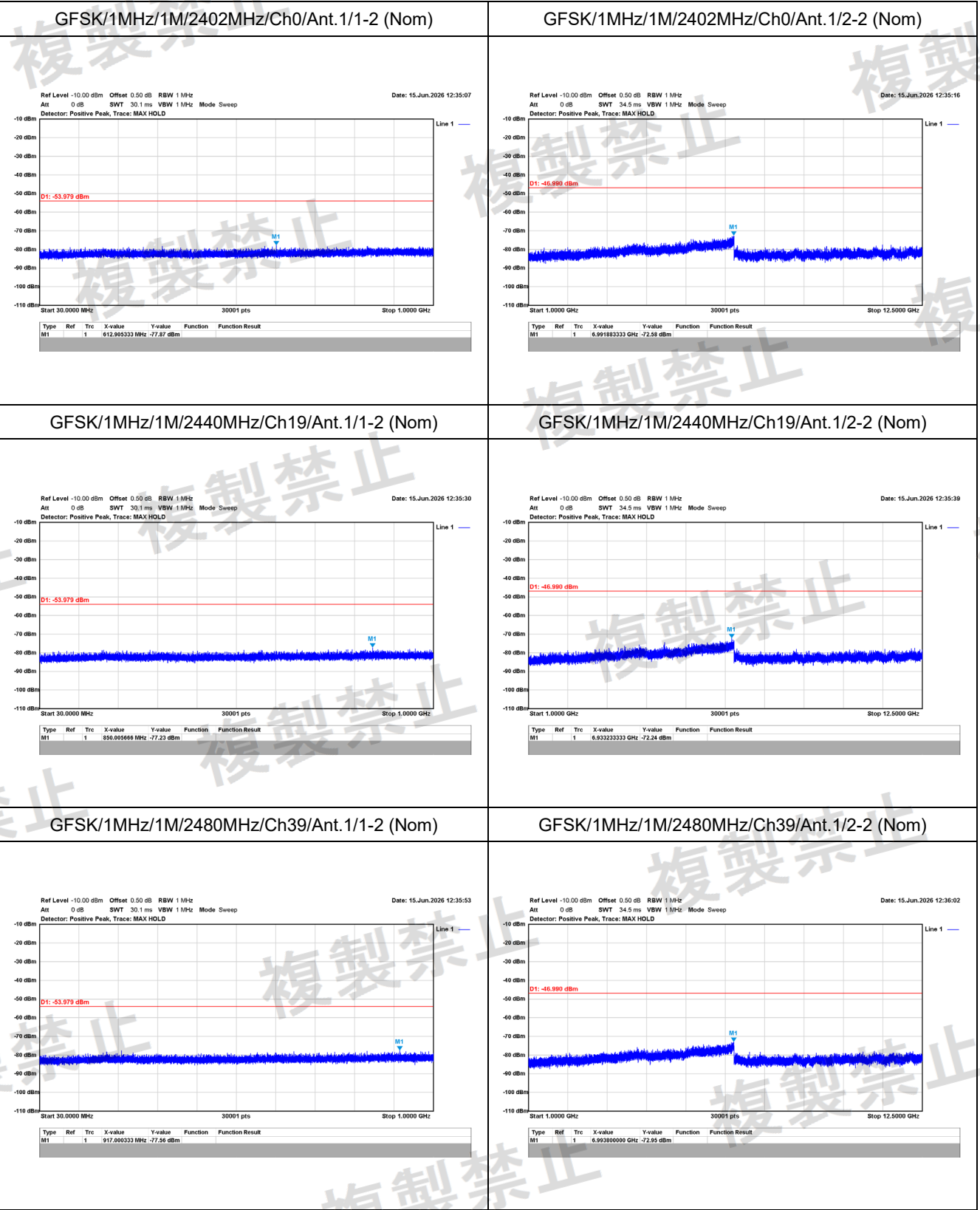


GFSK/2MHz/2M/2478MHz/Ch38/Ant.1/4-4 (Nom)

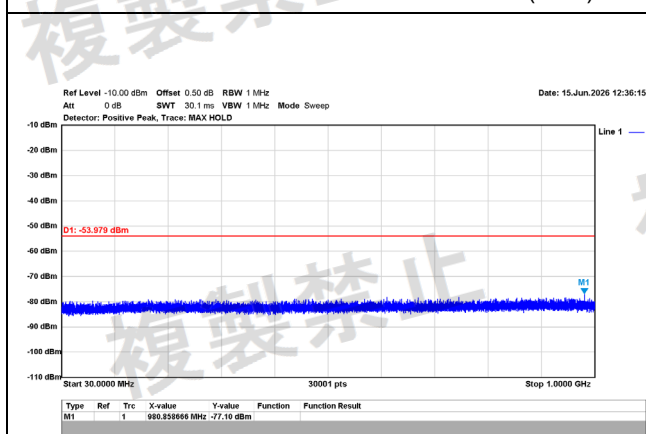


Appendix E. Test Result of Secondary Radiated Emission Strength

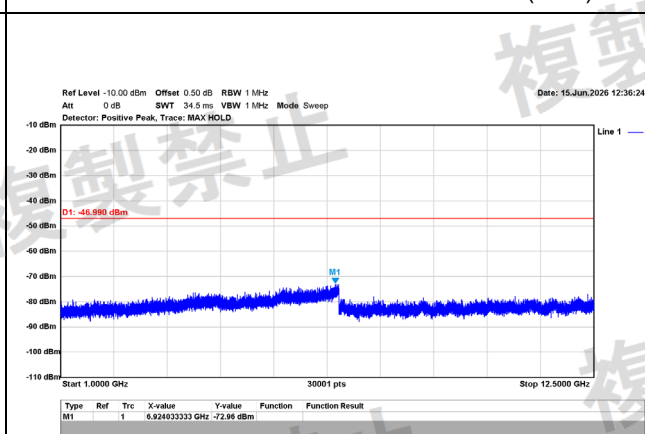
Test Conditions	Modulation	Frequency (MHz)	Frequency Range (MHz)	Measurement Value (nW)	Limit (nW)	Result
V _{nom}	GFSK (1Mbps)	2402	30 ~ 1000	0.01633	4.00000	Pass
			1000 ~ 12500	0.05521	20.00000	Pass
		2440	30 ~ 1000	0.01892	4.00000	Pass
			1000 ~ 12500	0.05970	20.00000	Pass
		2480	30 ~ 1000	0.01754	4.00000	Pass
			1000 ~ 12500	0.05070	20.00000	Pass
	GFSK (2Mbps)	2404	30 ~ 1000	0.01950	4.00000	Pass
			1000 ~ 12500	0.05058	20.00000	Pass
		2440	30 ~ 1000	0.02153	4.00000	Pass
			1000 ~ 12500	0.05433	20.00000	Pass
		2478	30 ~ 1000	0.01690	4.00000	Pass
			1000 ~ 12500	0.05984	20.00000	Pass



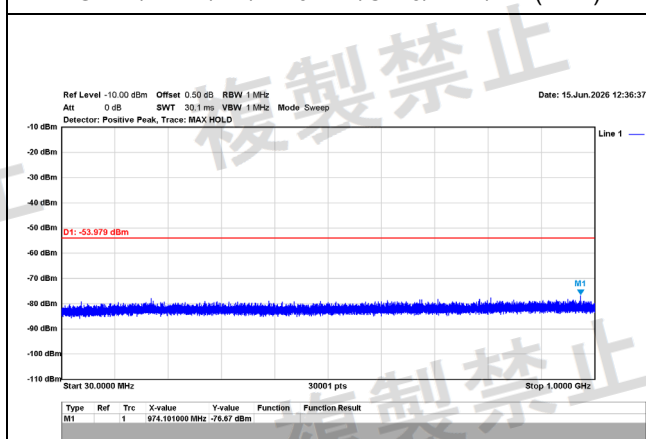
GFSK/2MHz/2M/2404MHz/Ch1/Ant. 1/1-2 (Nom)



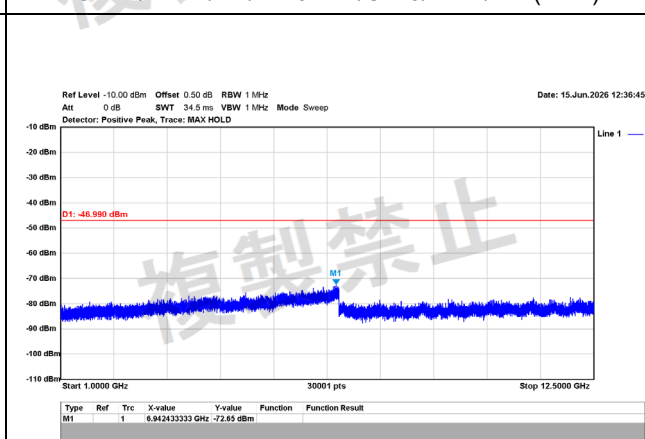
GFSK/2MHz/2M/2404MHz/Ch1/Ant. 1/2-2 (Nom)



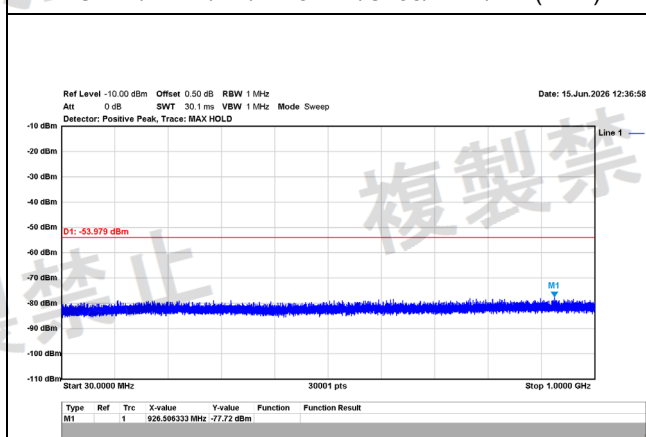
GFSK/2MHz/2M/2440MHz/Ch19/Ant. 1/1-2 (Nom)



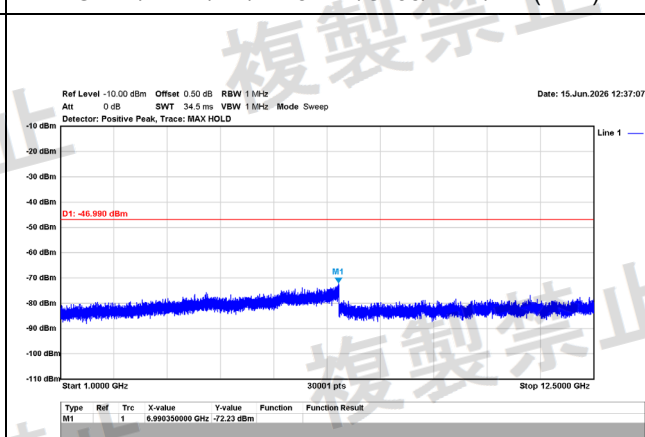
GFSK/2MHz/2M/2440MHz/Ch19/Ant. 1/2-2 (Nom)



GFSK/2MHz/2M/2478MHz/Ch38/Ant. 1/1-2 (Nom)



GFSK/2MHz/2M/2478MHz/Ch38/Ant. 1/2-2 (Nom)



Appendix F. Test Result of Interference Prevention Function

Test Mode	Test Result
Normal Link	Pass

Appendix G. Test Result of Test Setup Photograph

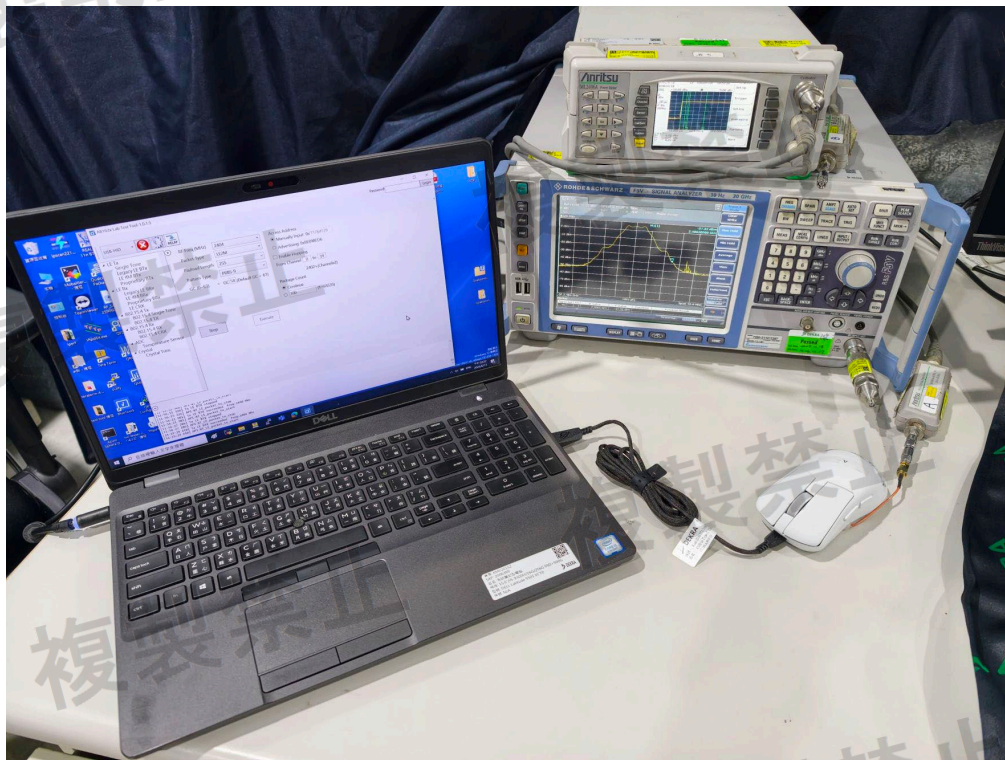
Description: Test Setup (Spectrum Analyzer)



Description: Test Setup (Spectrum Analyzer)



Description: Test Setup (Power Meter)



Description: Test Setup (Power Meter)

