

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	4.98	3.1477	10.0000	Pass
		2440	4.49	2.8119	10.0000	Pass
		2480	3.28	2.1281	10.0000	Pass
	GFSK (2Mbps)	2402	5.08	3.2211	10.0000	Pass
		2440	4.49	2.8119	10.0000	Pass
		2480	3.29	2.1330	10.0000	Pass

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	3.1477	3.1477	0.00	+20	Pass
		2440	3.1477	2.8119	-10.67	+20	Pass
		2480	3.1477	2.1281	-32.39	+20	Pass
	GFSK (2Mbps)	2402	3.2211	3.2211	0.00	+20	Pass
		2440	3.2211	2.8119	-12.70	+20	Pass
		2480	3.2211	2.1330	-33.78	+20	Pass

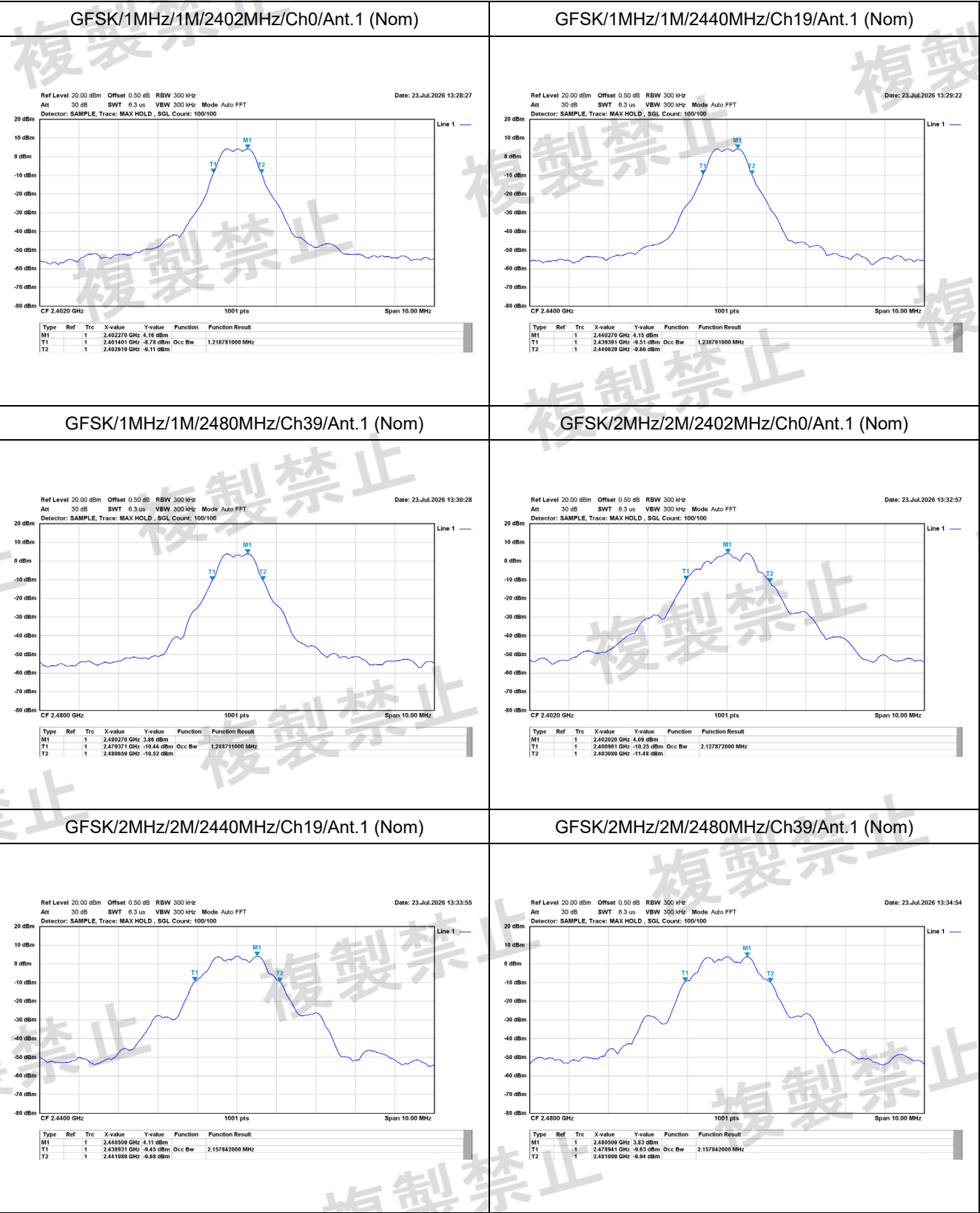
E.I.R.P.

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	4.98	2.48	7.46	12.14	Pass
		2440	4.49	2.48	6.97	12.14	Pass
		2480	3.28	2.48	5.76	12.14	Pass
	GFSK (2Mbps)	2402	5.08	2.48	7.56	12.14	Pass
		2440	4.49	2.48	6.97	12.14	Pass
		2480	3.29	2.48	5.77	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	1.22	≤ 26.00	Pass
		2440	1.24	≤ 26.00	Pass
		2480	1.29	≤ 26.00	Pass
	GFSK (2Mbps)	2402	2.13	≤ 26.00	Pass
		2440	2.16	≤ 26.00	Pass
		2480	2.16	≤ 26.00	Pass



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	2402.0096	4.00	± 50	Pass
		2440	2440.0096	3.93	± 50	Pass
		2480	2480.0099	3.99	± 50	Pass
	GFSK (2Mbps)	2402	2402.0096	4.00	± 50	Pass
		2440	2440.0096	3.93	± 50	Pass
		2480	2480.0099	3.99	± 50	Pass

Appendix D. Test Result of Unwanted Emission Strength

Test Conditions	Modulation	Frequency (MHz)	Frequency Range (MHz)	Measurement Frequency (MHz)
V _{nom}	GFSK	2402	30 ~ 2387	2338.367233
			2387 ~ 2400	2399.994800
			2483.5 ~ 2496.5	2487.750133
			2496.5 ~ 12500	6983.403200
	GFSK	2440	30 ~ 2387	2376.157800
			2387 ~ 2400	2392.316133
			2483.5 ~ 2496.5	2486.260767
			2496.5 ~ 12500	6564.923450
	GFSK	2480	30 ~ 2387	2248.565533
			2387 ~ 2400	2397.700300
			2483.5 ~ 2496.5	2483.604867
			2496.5 ~ 12500	6982.402850

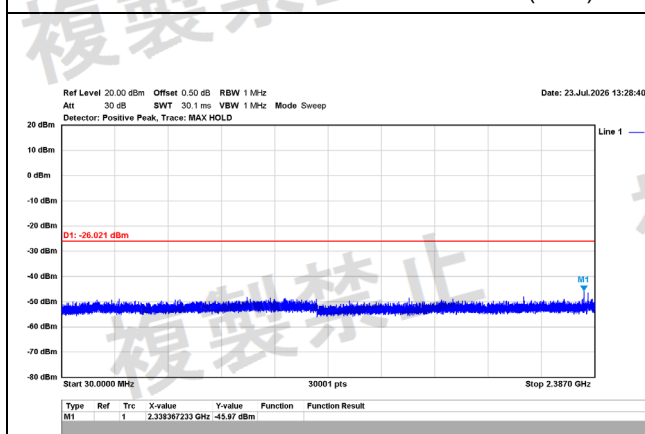
Test Conditions	Modulation	Frequency (MHz)	Frequency Range (MHz)	Measurement Frequency (MHz)
V _{nom}	GFSK (2Mbps)	2402	30 ~ 2387	2337.974400
			2387 ~ 2400	2399.997833
			2483.5 ~ 2496.5	2484.956867
			2496.5 ~ 12500	6681.297500
		2440	30 ~ 2387	2376.393500
			2387 ~ 2400	2393.886967
			2483.5 ~ 2496.5	2486.347433
			2496.5 ~ 12500	6972.065900
		2480	30 ~ 2387	880.484200
			2387 ~ 2400	2392.949667
			2483.5 ~ 2496.5	2483.516900
			2496.5 ~ 12500	6976.734200

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	0.02529	2.50000	Pass
			2387 ~ 2400	1.65959	25.00000	Pass
			2483.5 ~ 2496.5	0.01687	25.00000	Pass
			2496.5 ~ 12500	0.03890	2.50000	Pass
		2440	30 ~ 2387	0.02148	2.50000	Pass
			2387 ~ 2400	0.02143	25.00000	Pass
			2483.5 ~ 2496.5	0.02223	25.00000	Pass
			2496.5 ~ 12500	0.03656	2.50000	Pass
		2480	30 ~ 2387	0.01603	2.50000	Pass
			2387 ~ 2400	0.01614	25.00000	Pass
			2483.5 ~ 2496.5	0.07261	25.00000	Pass
			2496.5 ~ 12500	0.04920	2.50000	Pass

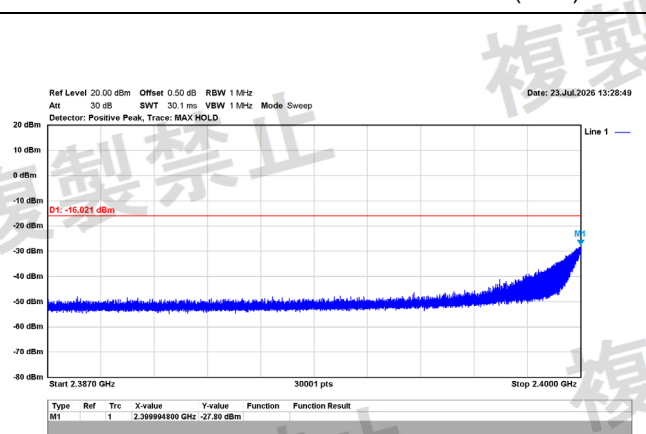
Test Conditions	Modulation	Frequency (MHz)	Frequency Range (MHz)	Measurement Value (μW/MHz)	Limit (μW/MHz)	Result
	GFSK (2Mbps)	2402	30 ~ 2387	0.01698	2.50000	Pass
			2387 ~ 2400	19.36422	25.00000	Pass
			2483.5 ~ 2496.5	0.01742	25.00000	Pass
			2496.5 ~ 12500	0.04742	2.50000	Pass
		2440	30 ~ 2387	0.02042	2.50000	Pass
			2387 ~ 2400	0.01914	25.00000	Pass
			2483.5 ~ 2496.5	0.02280	25.00000	Pass
			2496.5 ~ 12500	0.04178	2.50000	Pass
		2480	30 ~ 2387	0.01387	2.50000	Pass
			2387 ~ 2400	0.01600	25.00000	Pass
			2483.5 ~ 2496.5	0.12503	25.00000	Pass
			2496.5 ~ 12500	0.04064	2.50000	Pass

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

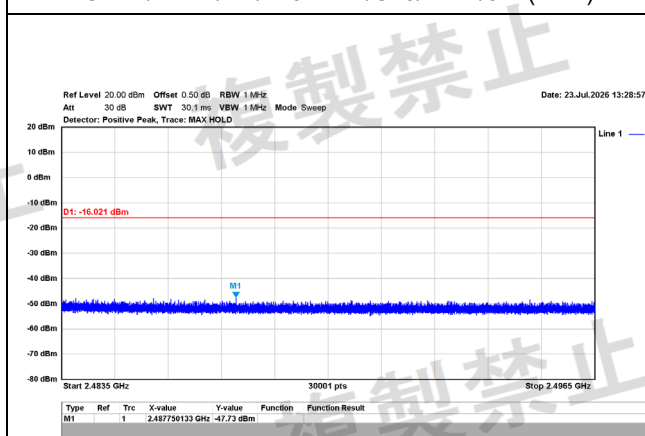
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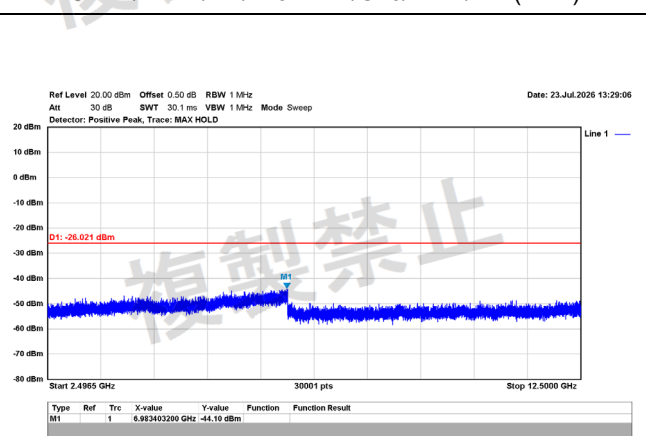
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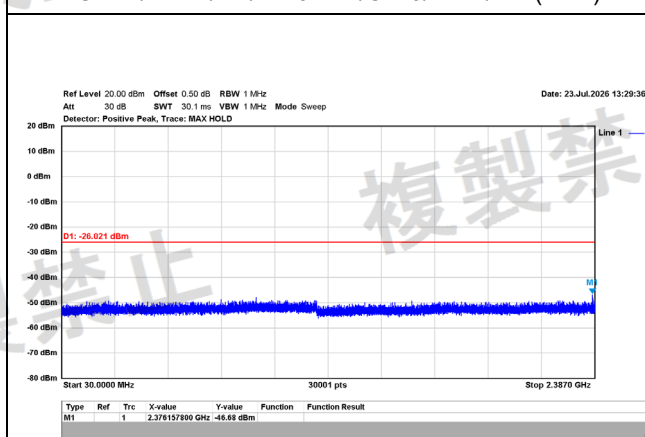
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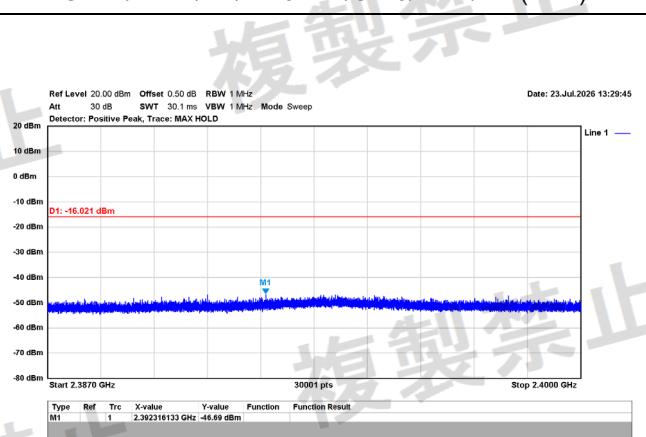
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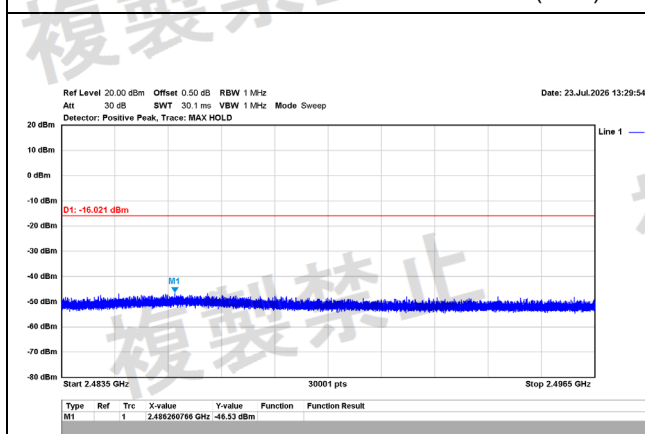
GFSK/1MHz/1M/2440MHz/Ch19/Ant.1/1-4 (Nom)



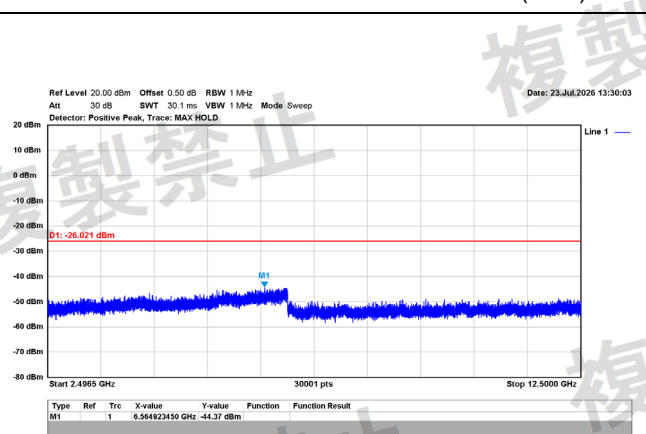
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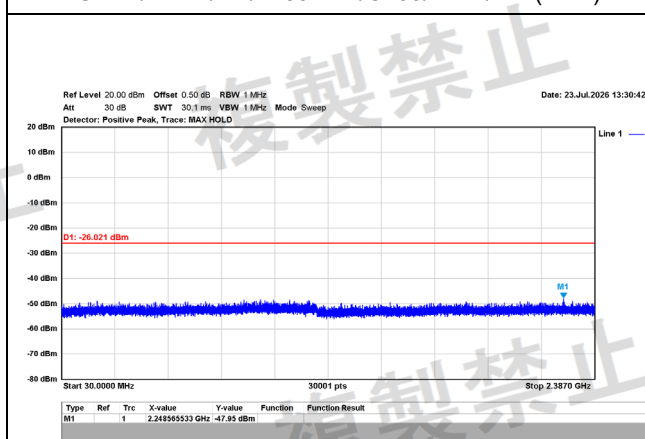
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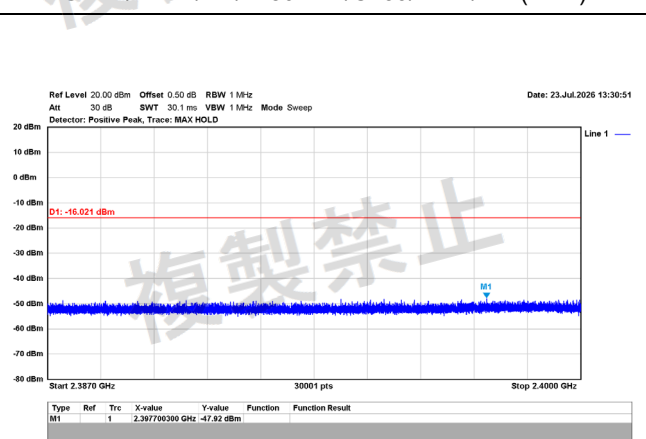
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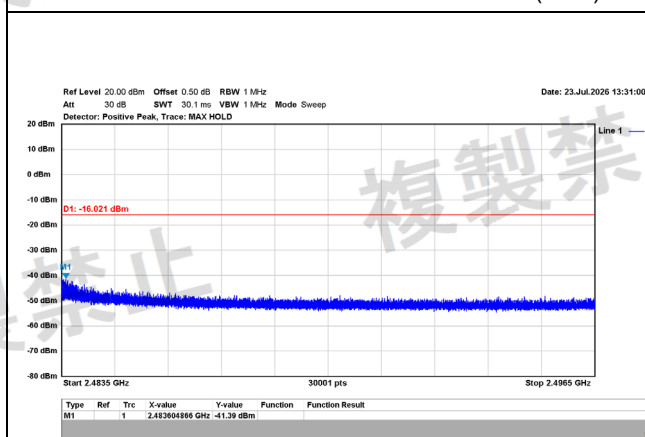
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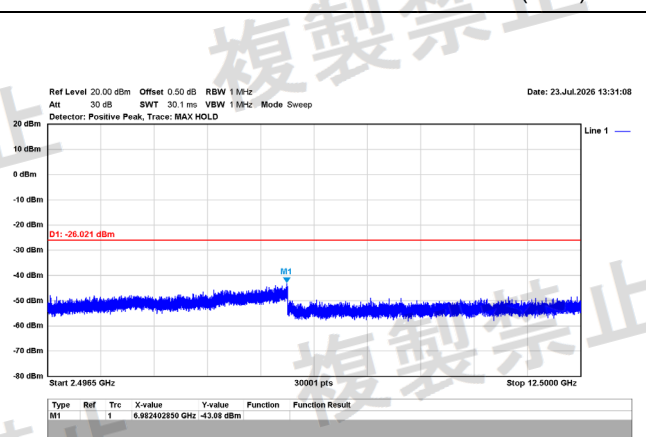
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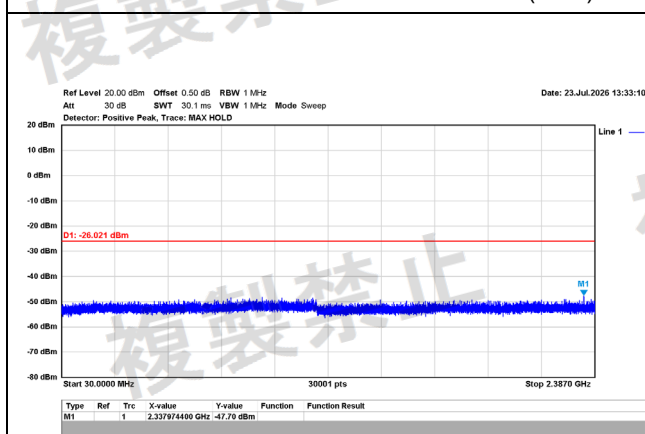
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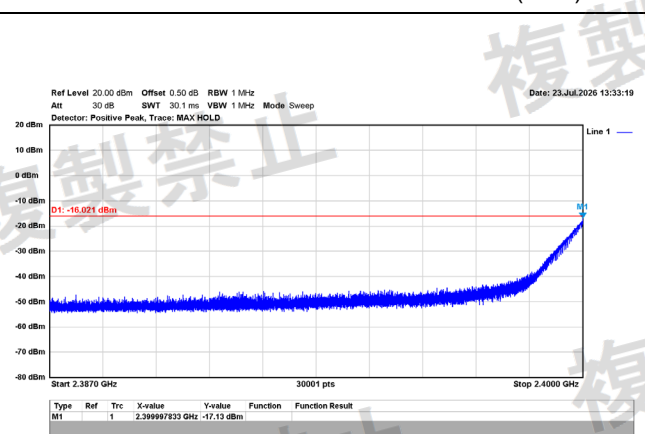
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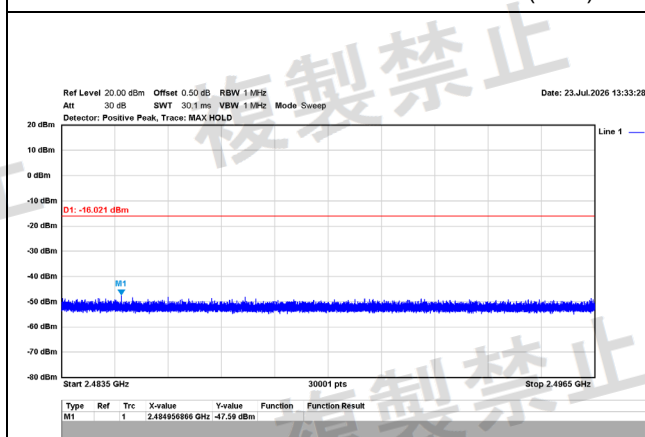
GFSK/2MHz/2M/2402MHz/Ch0/Ant.1/1-4 (Nom)



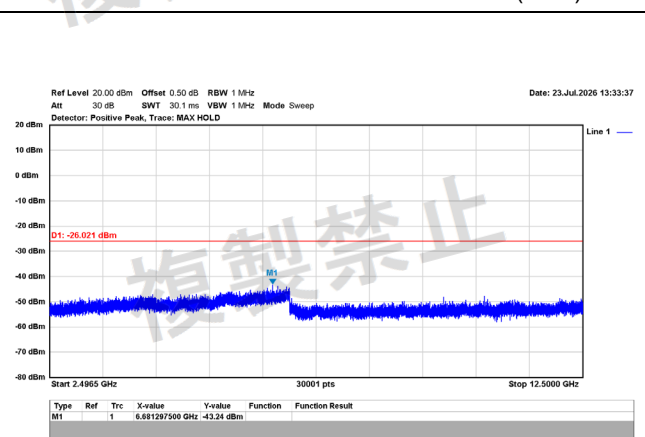
GFSK/2MHz/2M/2402MHz/Ch0/Ant.1/2-4 (Nom)



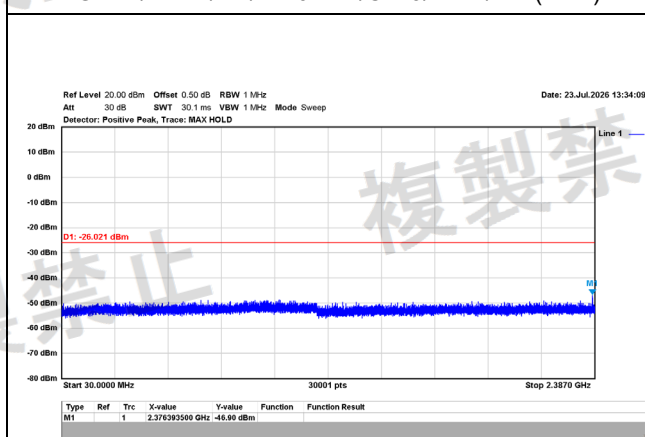
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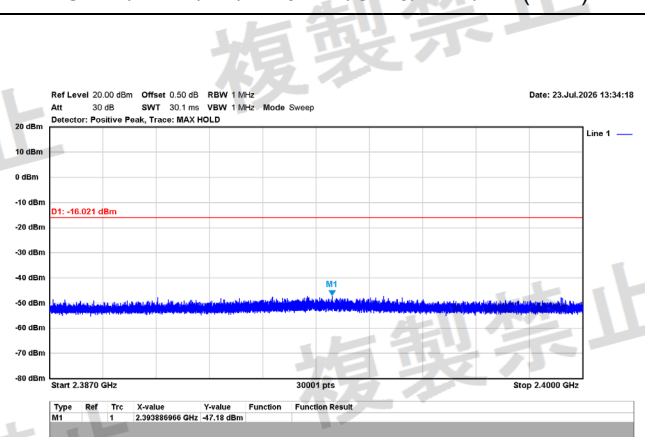
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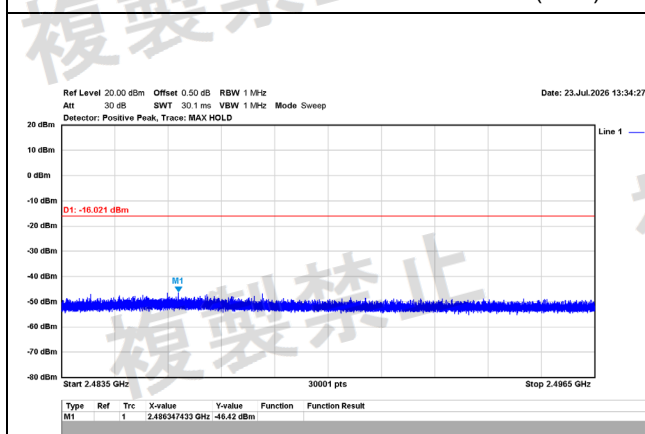
GFSK/2MHz/2M/2440MHz/Ch19/Ant.1/1-4 (Nom)



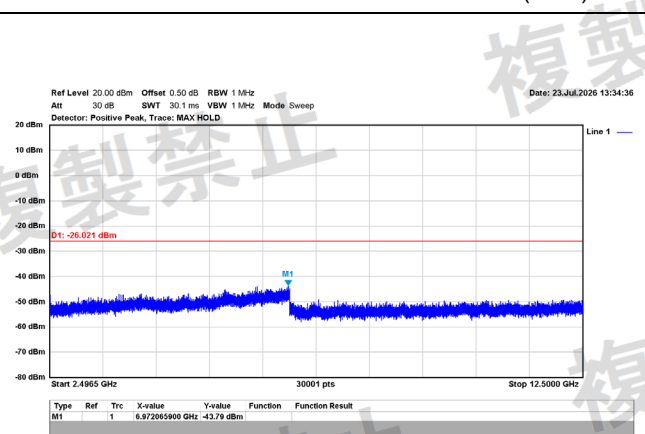
GFSK/2MHz/2M/2440MHz/Ch19/Ant.1/2-4 (Nom)



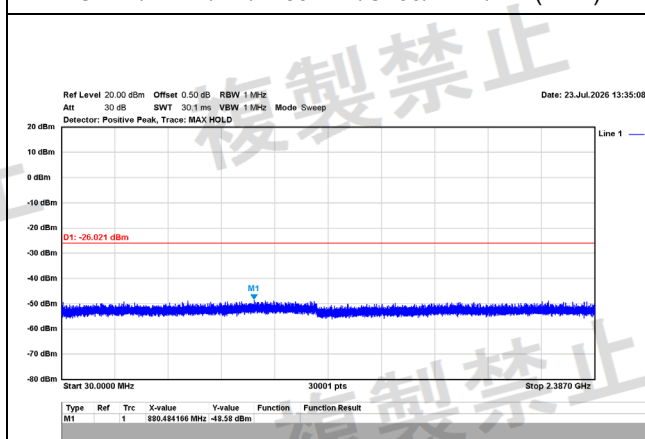
GFSK/2MHz/2M/2440MHz/Ch19/Ant.1/3-4 (Nom)



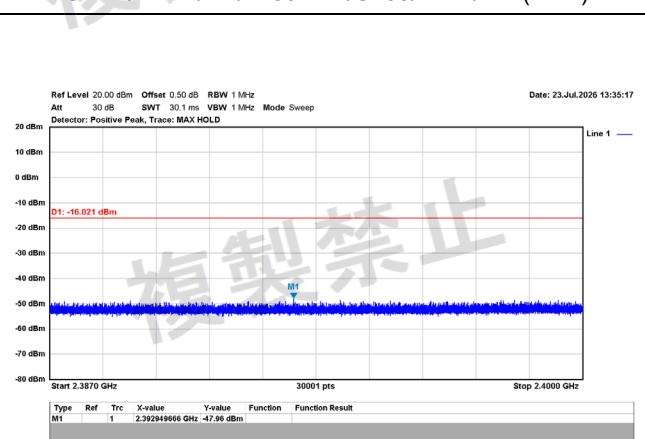
GFSK/2MHz/2M/2440MHz/Ch19/Ant.1/4-4 (Nom)



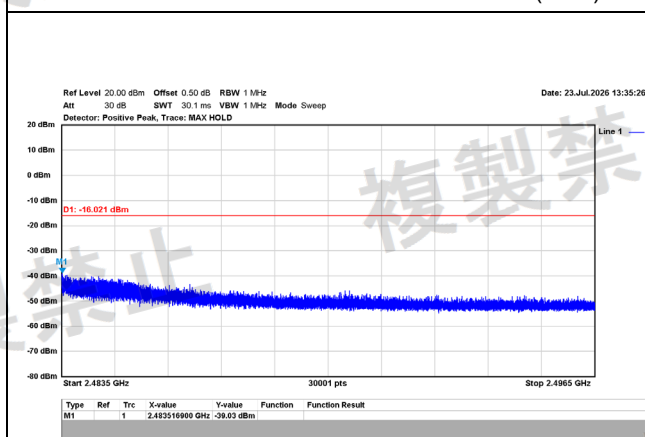
GFSK/2MHz/2M/2480MHz/Ch39/Ant.1/1-4 (Nom)



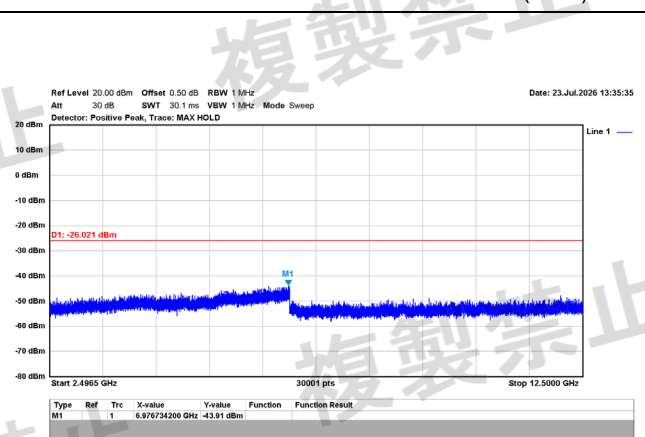
GFSK/2MHz/2M/2480MHz/Ch39/Ant.1/2-4 (Nom)



GFSK/2MHz/2M/2480MHz/Ch39/Ant.1/3-4 (Nom)



GFSK/2MHz/2M/2480MHz/Ch39/Ant.1/4-4 (Nom)

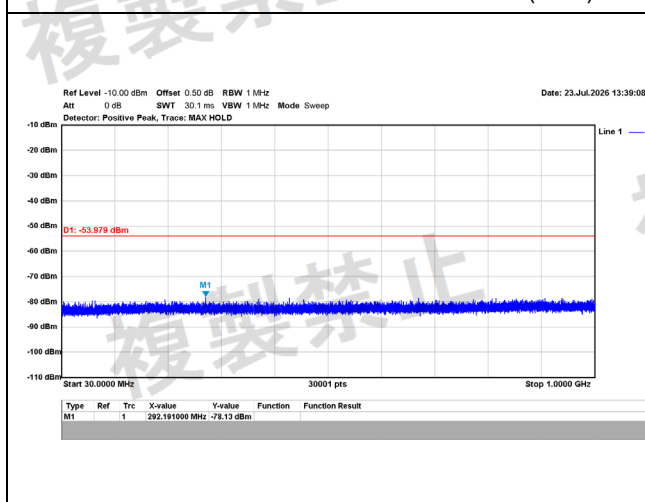


Appendix E. Test Result of Secondary Radiated Emission Strength

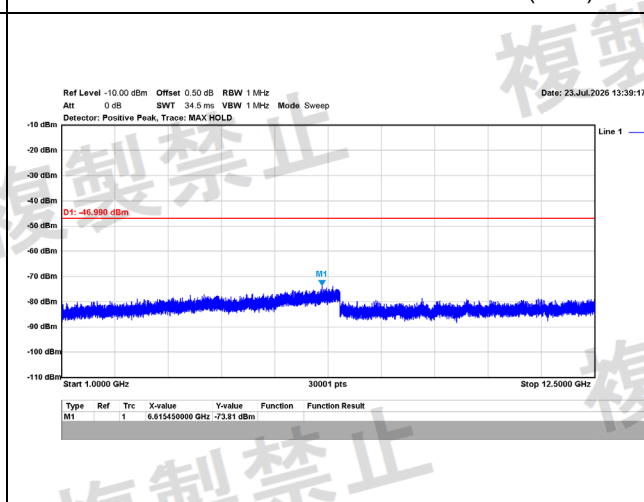
Test Conditions	Modulation	Frequency (MHz)	Frequency Range (MHz)	Measurement Frequency (MHz)
V _{nom}	GFSK (1Mbps)	2402	30 ~ 1000	292.191000
			1000 ~ 12500	6615.450000
		2440	30 ~ 1000	969.865300
			1000 ~ 12500	6669.883333
		2480	30 ~ 1000	921.365300
			1000 ~ 12500	5825.016667
	GFSK (2Mbps)	2402	30 ~ 1000	936.303300
			1000 ~ 12500	6958.533333
		2440	30 ~ 1000	957.837300
			1000 ~ 12500	6881.483333
		2480	30 ~ 1000	929.836700
			1000 ~ 12500	6921.350000

Test Conditions	Modulation	Frequency (MHz)	Frequency Range (MHz)	Measurement Value (nW)	Limit (nW)	Result
V _{nom}	GFSK (1Mbps)	2402	30 ~ 1000	0.01538	4.00000	Pass
			1000 ~ 12500	0.04159	20.00000	Pass
		2440	30 ~ 1000	0.01531	4.00000	Pass
			1000 ~ 12500	0.04508	20.00000	Pass
		2480	30 ~ 1000	0.02138	4.00000	Pass
			1000 ~ 12500	0.03483	20.00000	Pass
	GFSK (2Mbps)	2402	30 ~ 1000	0.01600	4.00000	Pass
			1000 ~ 12500	0.04018	20.00000	Pass
		2440	30 ~ 1000	0.01510	4.00000	Pass
			1000 ~ 12500	0.03899	20.00000	Pass
		2480	30 ~ 1000	0.01426	4.00000	Pass
			1000 ~ 12500	0.03846	20.00000	Pass

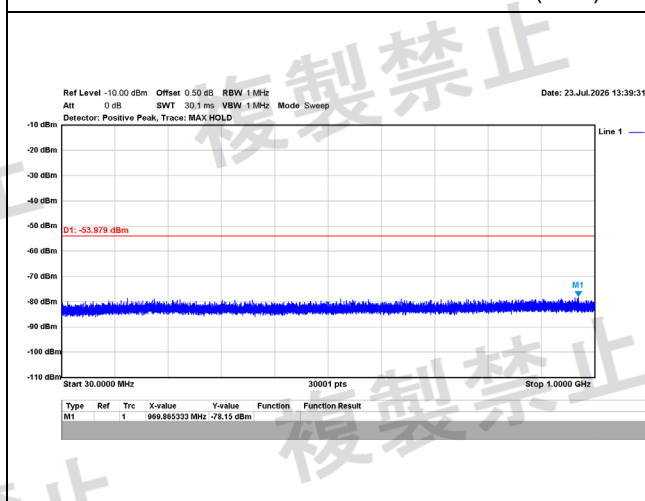
GFSK/1MHz/1M/2402MHz/Ch0/Ant. 1/1-2 (Nom)



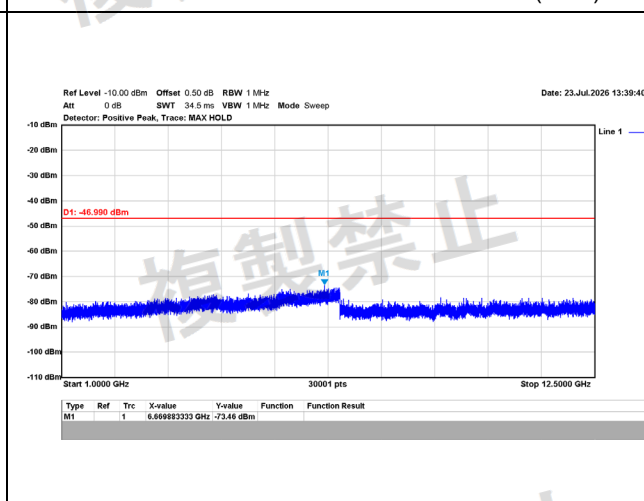
GFSK/1MHz/1M/2402MHz/Ch0/Ant. 1/2-2 (Nom)



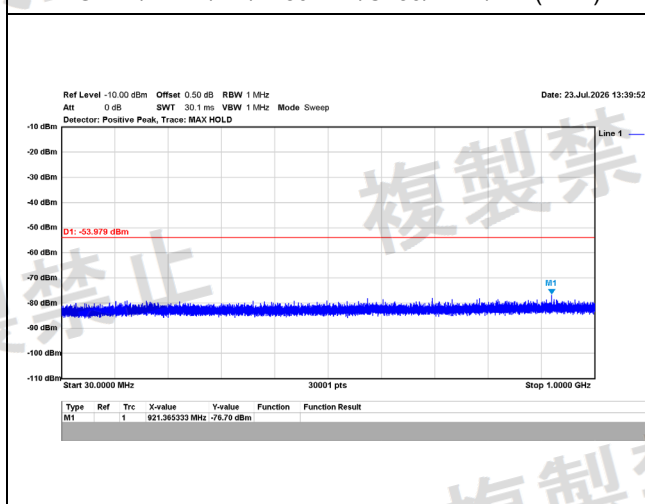
GFSK/1MHz/1M/2440MHz/Ch19/Ant. 1/1-2 (Nom)



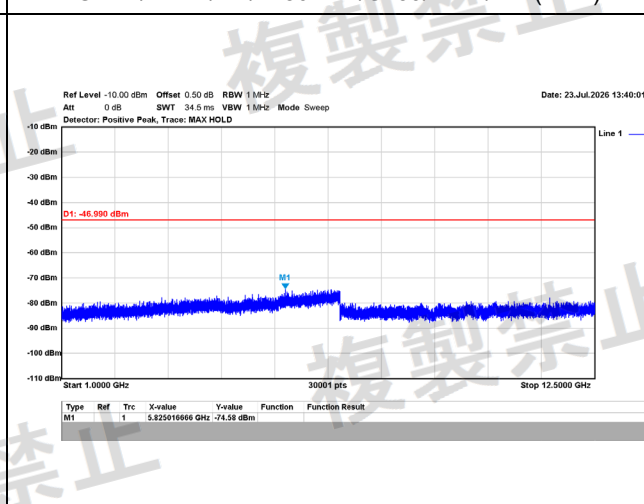
GFSK/1MHz/1M/2440MHz/Ch19/Ant. 1/2-2 (Nom)

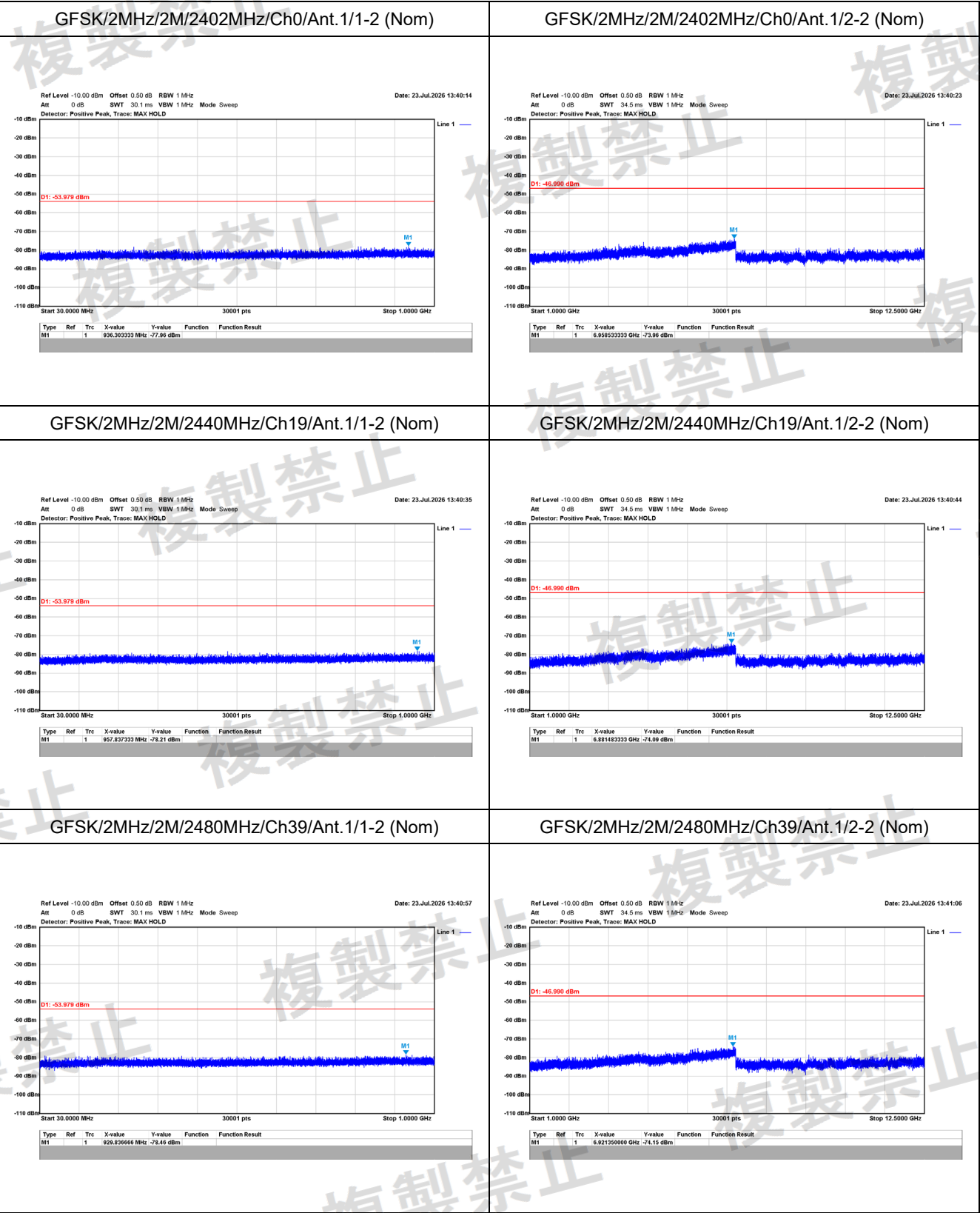


GFSK/1MHz/1M/2480MHz/Ch39/Ant. 1/1-2 (Nom)



GFSK/1MHz/1M/2480MHz/Ch39/Ant. 1/2-2 (Nom)



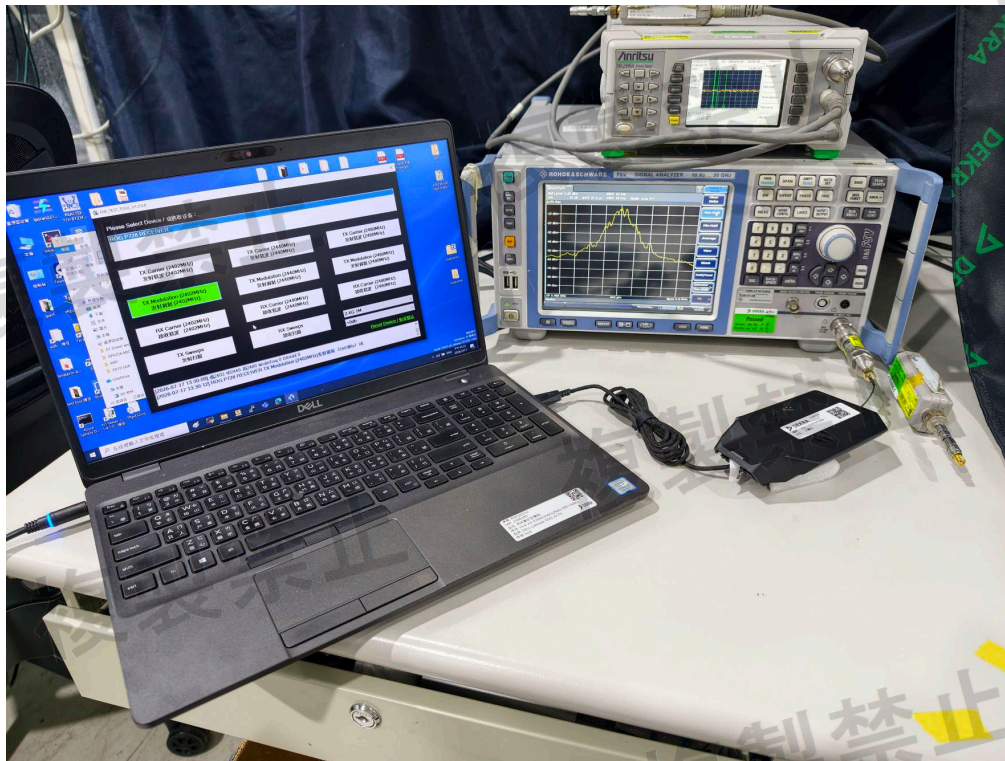


Appendix F. Test Result of Interference Prevention Function

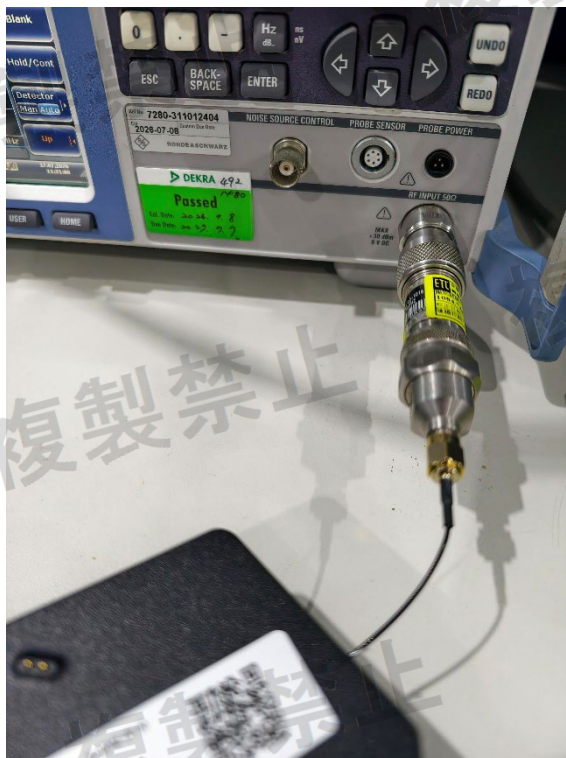
Test Mode	Test Result
Normal Link	Pass

Appendix G. Test Result of Test Setup Photograph

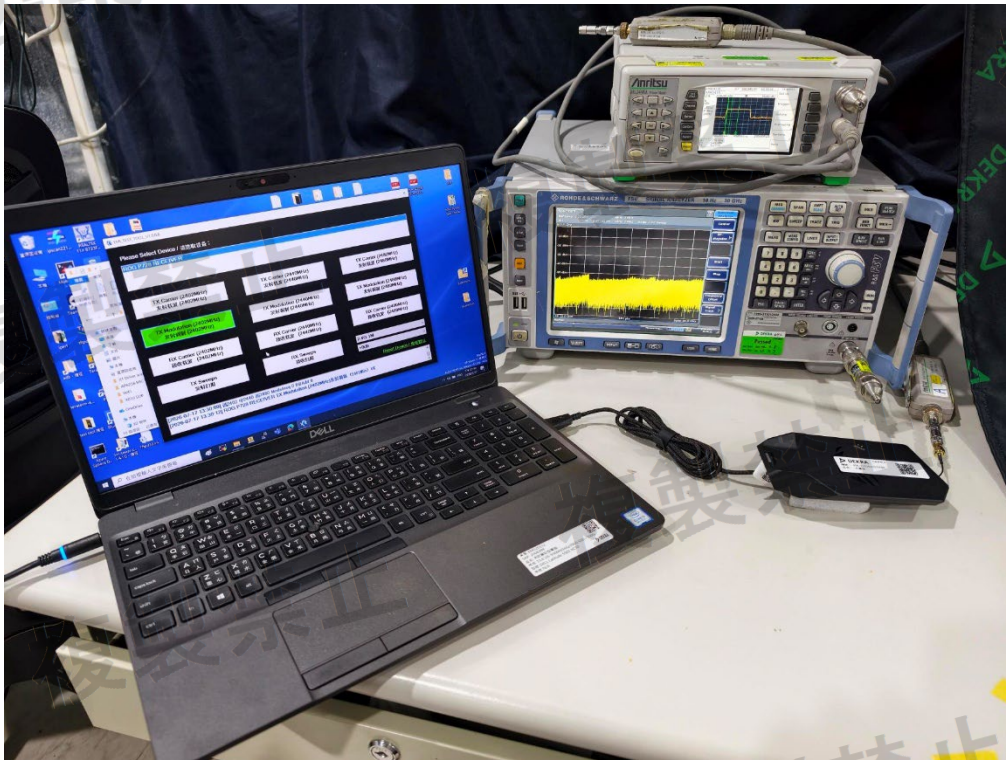
Description: Test Setup (Spectrum Analyzer)



Description: Test Setup (Spectrum Analyzer)



Description: Test Setup (Power Meter)



Description: Test Setup (Power Meter)

