

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 (4Mbps)	2404	6.50	4.4668	10.0000	Pass
		2440	6.39	4.3551	10.0000	Pass
		2478	6.53	4.4978	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 (4Mbps)	2404	4.4978	4.4668	-0.69	+20	Pass
		2440	4.4978	4.3551	-3.17	+20	Pass
		2478	4.4978	4.4978	0.00	+20	Pass

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

E.I.R.P.

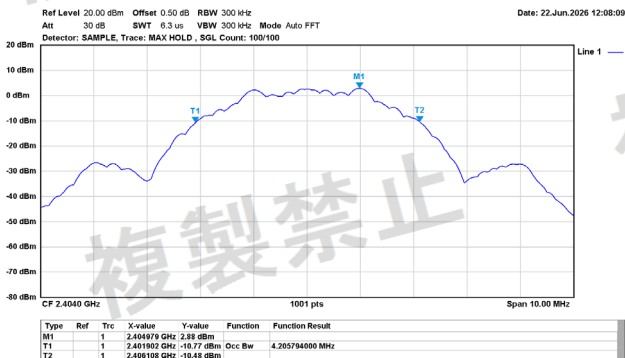
Test Conditions	Modulation	Frequency (MHz)	Antenna Power (dBm)	Maximum Antenna Gain (dBi)	E.I.R.P. (dBm)	Limit (dBm)	Result
V _{nom}	GFSK (4Mbps)	2404	6.50	3.20	9.70	12.14	Pass
		2440	6.39	3.20	9.59	12.14	Pass
		2478	6.53	3.20	9.73	12.14	Pass

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

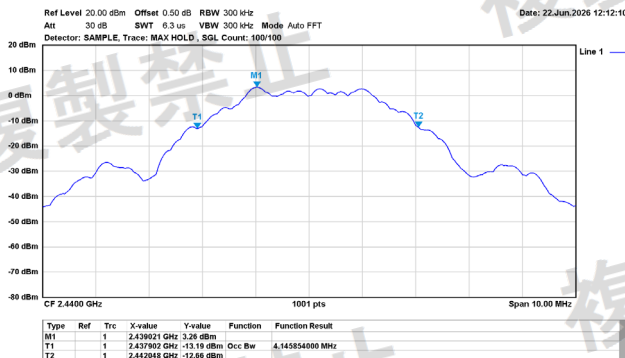
Appendix B. Test Result of Occupied Bandwidth

Test Conditions	Modulation	Frequency (MHz)	Occupied Bandwidth (MHz)	Limit (MHz)	Result
V _{nom}	GFSK (4Mbps)	2404	4.21	≤ 26.00	Pass
		2440	4.15	≤ 26.00	Pass
		2478	4.26	≤ 26.00	Pass

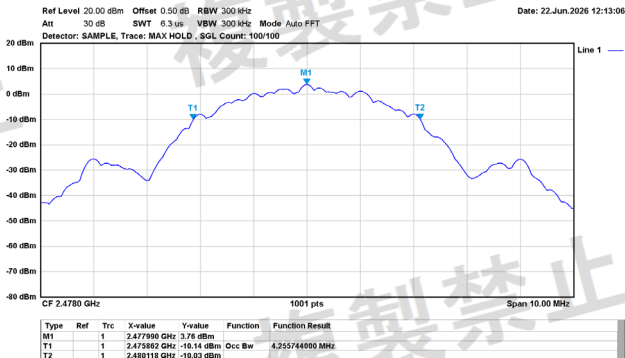
GFSK/4M/2404MHz/Ch1/Ant.1 (Nom)



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



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



Appendix C. Test Result of Frequency Tolerance

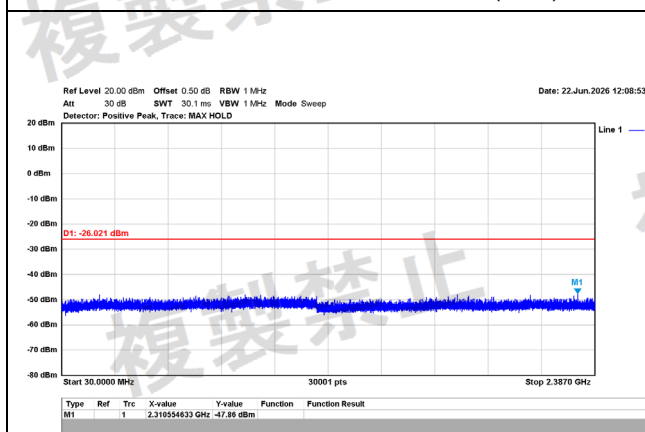
Test Conditions	Modulation	Frequency (MHz)	Reading Value (MHz)	Frequency Tolerance (ppm)	Limit (ppm)	Result
V _{nom}	GFSK (4Mbps)	2404	2403.9935	-2.70	± 50	Pass
		2440	2439.9935	-2.66	± 50	Pass
		2478	2477.9935	-2.62	± 50	Pass

Appendix D. Test Result of Unwanted Emission Strength

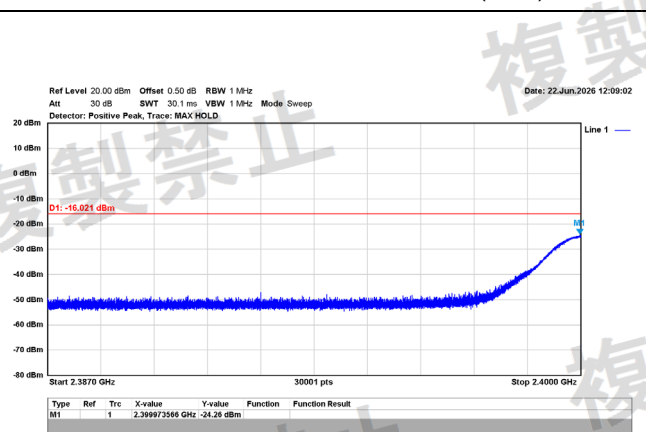
Test Conditions	Modulation	Frequency (MHz)	Frequency Range (MHz)	Measurement Value (μW/MHz)	Limit (μW/MHz)	Result
V _{nom}	GFSK (4Mbps)	2404	30 ~ 2387	0.01637	2.50000	Pass
			2387 ~ 2400	3.74973	25.00000	Pass
			2483.5 ~ 2496.5	0.01841	25.00000	Pass
			2496.5 ~ 12500	0.05140	2.50000	Pass
		2440	30 ~ 2387	0.01652	2.50000	Pass
			2387 ~ 2400	0.02070	25.00000	Pass
			2483.5 ~ 2496.5	0.01738	25.00000	Pass
			2496.5 ~ 12500	0.07278	2.50000	Pass
		2478	30 ~ 2387	0.01633	2.50000	Pass
			2387 ~ 2400	0.01730	25.00000	Pass
			2483.5 ~ 2496.5	0.08017	25.00000	Pass
			2496.5 ~ 12500	0.17701	2.50000	Pass

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

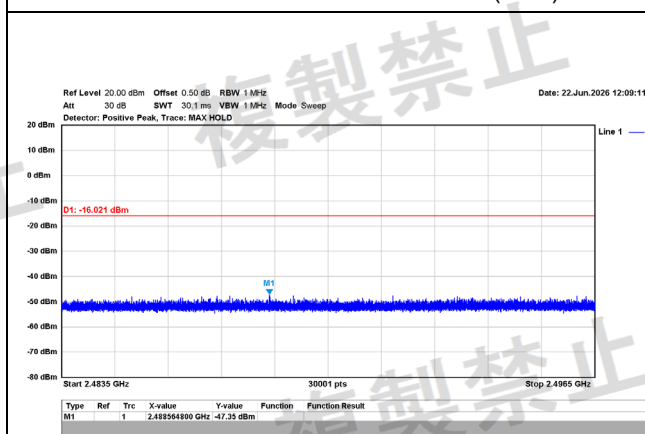
GFSK/4M/2404MHz/Ch1/Ant.1/1-4 (Nom)



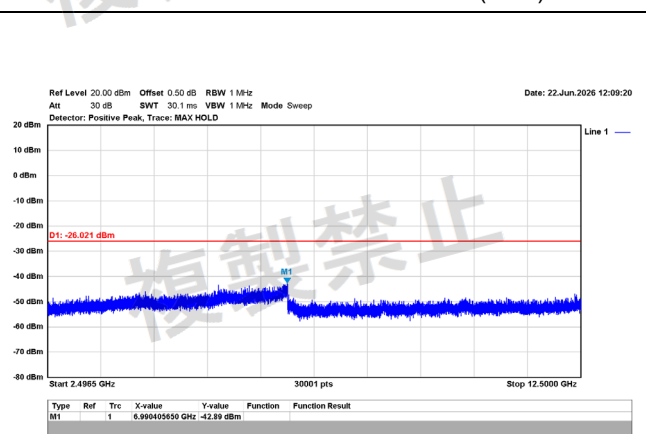
GFSK/4M/2404MHz/Ch1/Ant.1/2-4 (Nom)



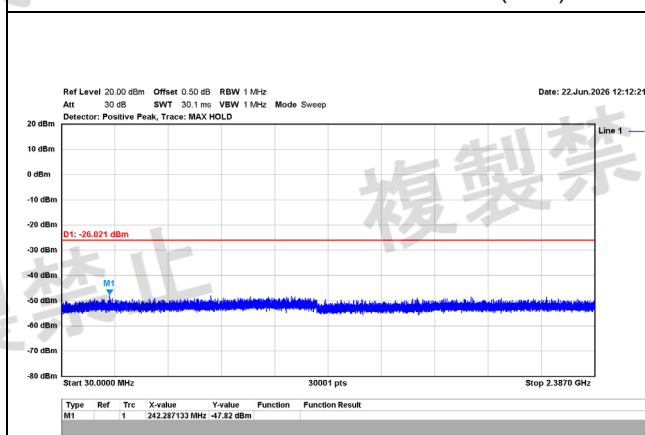
GFSK/4M/2404MHz/Ch1/Ant.1/3-4 (Nom)



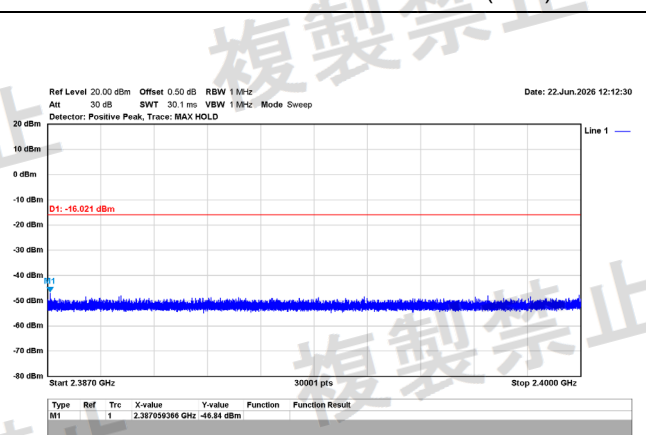
GFSK/4M/2404MHz/Ch1/Ant.1/4-4 (Nom)



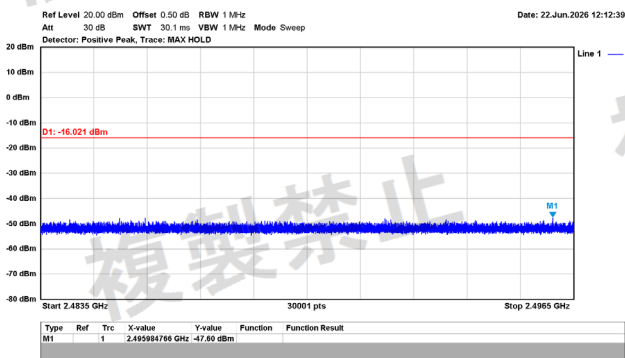
GFSK/4M/2440MHz/Ch19/Ant.1/1-4 (Nom)



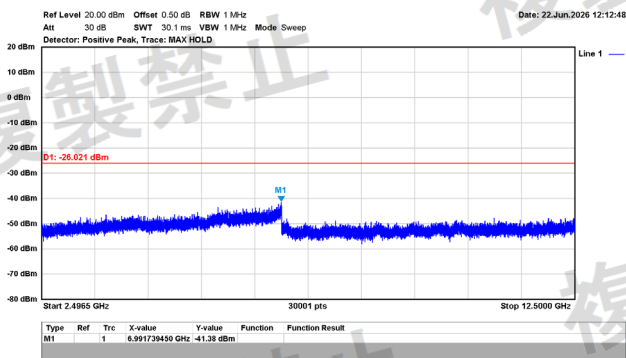
GFSK/4M/2440MHz/Ch19/Ant.1/2-4 (Nom)



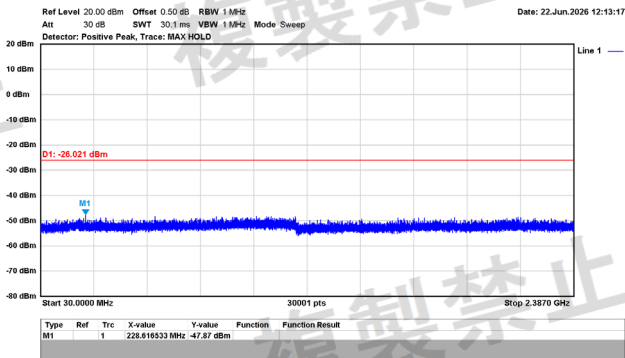
GFSK/4M/2440MHz/Ch19/Ant.1/3-4 (Nom)



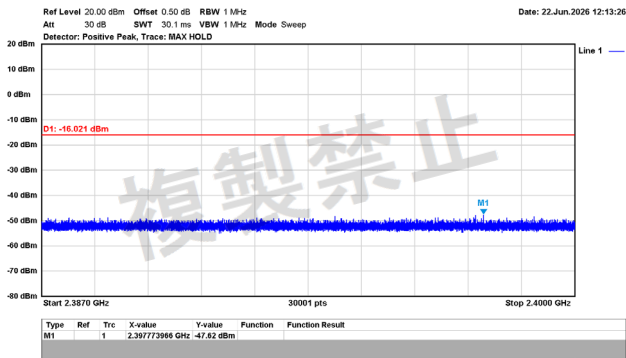
GFSK/4M/2440MHz/Ch19/Ant.1/4-4 (Nom)



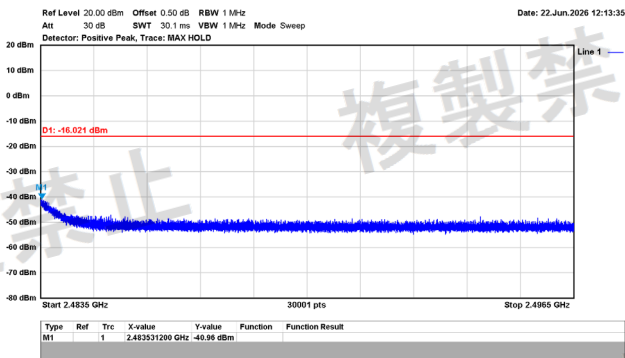
GFSK/4M/2478MHz/Ch38/Ant.1/1-4 (Nom)



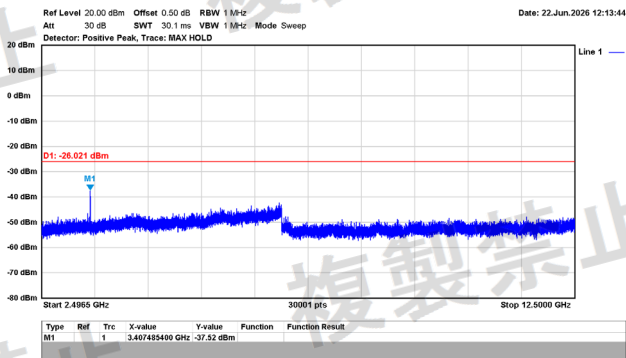
GFSK/4M/2478MHz/Ch38/Ant.1/2-4 (Nom)



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



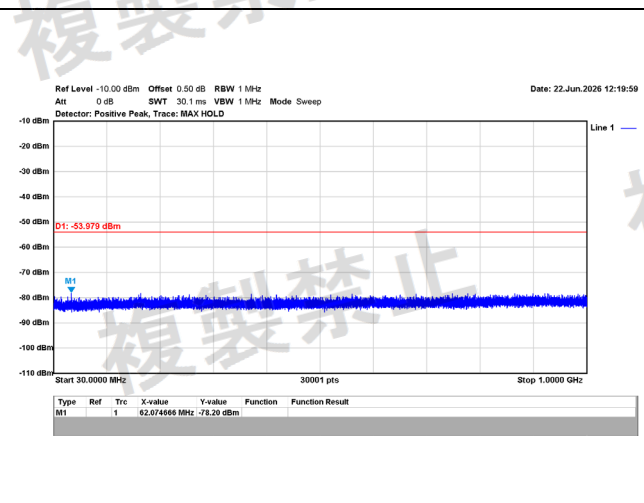
GFSK/4M/2478MHz/Ch38/Ant.1/4-4 (Nom)



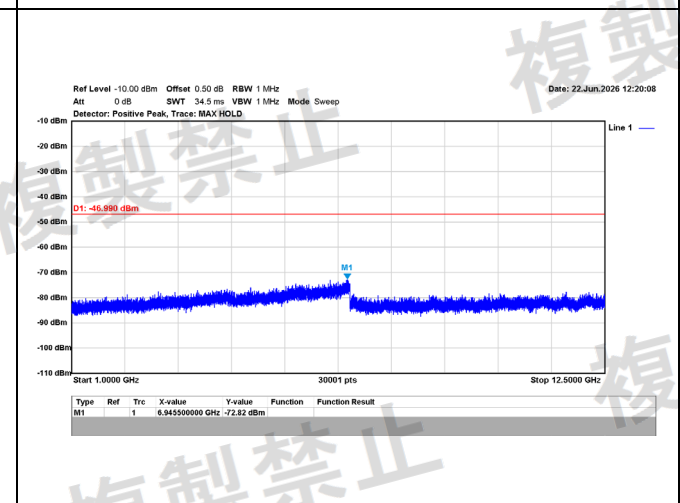
Appendix E. Test Result of Secondary Radiated Emission Strength

Test Conditions	Modulation	Frequency (MHz)	Frequency Range (MHz)	Measurement Value (nW)	Limit (nW)	Result
V _{nom}	GFSK (4Mbps)	2404	30 ~ 1000	0.01514	4.00000	Pass
			1000 ~ 12500	0.05224	20.00000	Pass
		2440	30 ~ 1000	0.01782	4.00000	Pass
			1000 ~ 12500	0.05082	20.00000	Pass
		2478	30 ~ 1000	0.01644	4.00000	Pass
			1000 ~ 12500	0.05212	20.00000	Pass

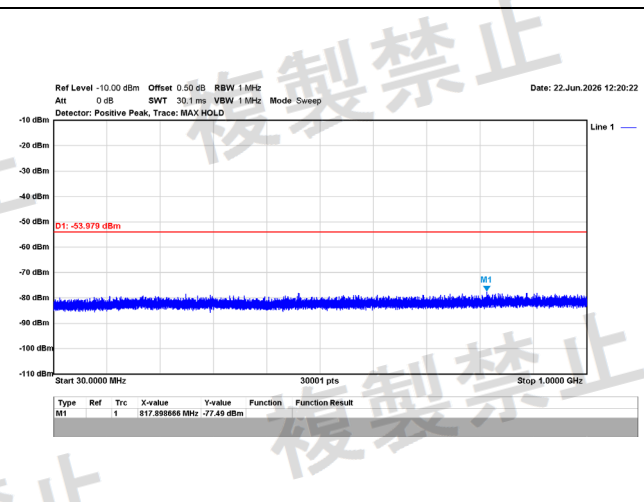
GFSK/4M/2404MHz/Ch1/Ant. 1/1-2 (Nom)



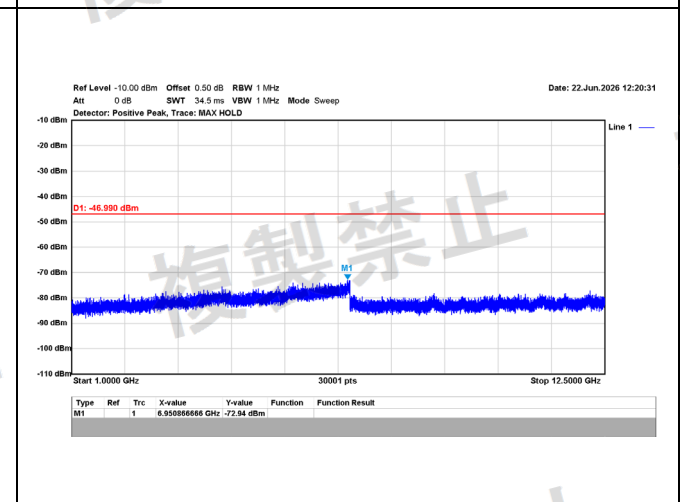
GFSK/4M/2404MHz/Ch1/Ant. 1/2-2 (Nom)



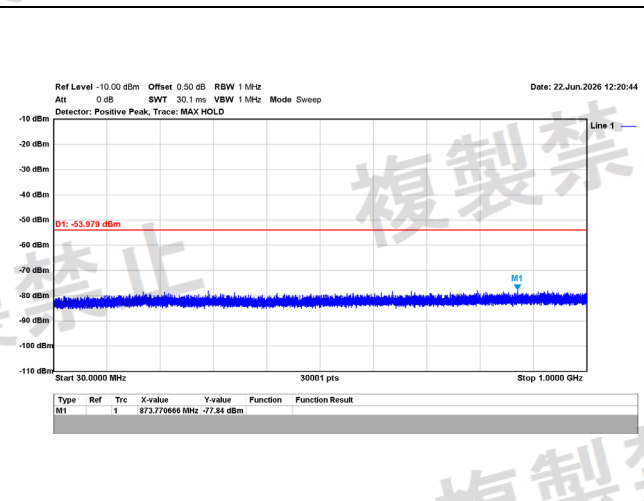
GFSK/4M/2440MHz/Ch19/Ant. 1/1-2 (Nom)



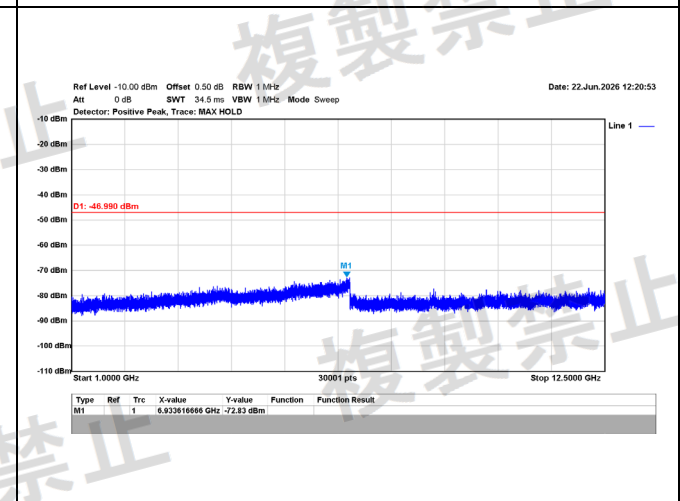
GFSK/4M/2440MHz/Ch19/Ant. 1/2-2 (Nom)



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



GFSK/4M/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

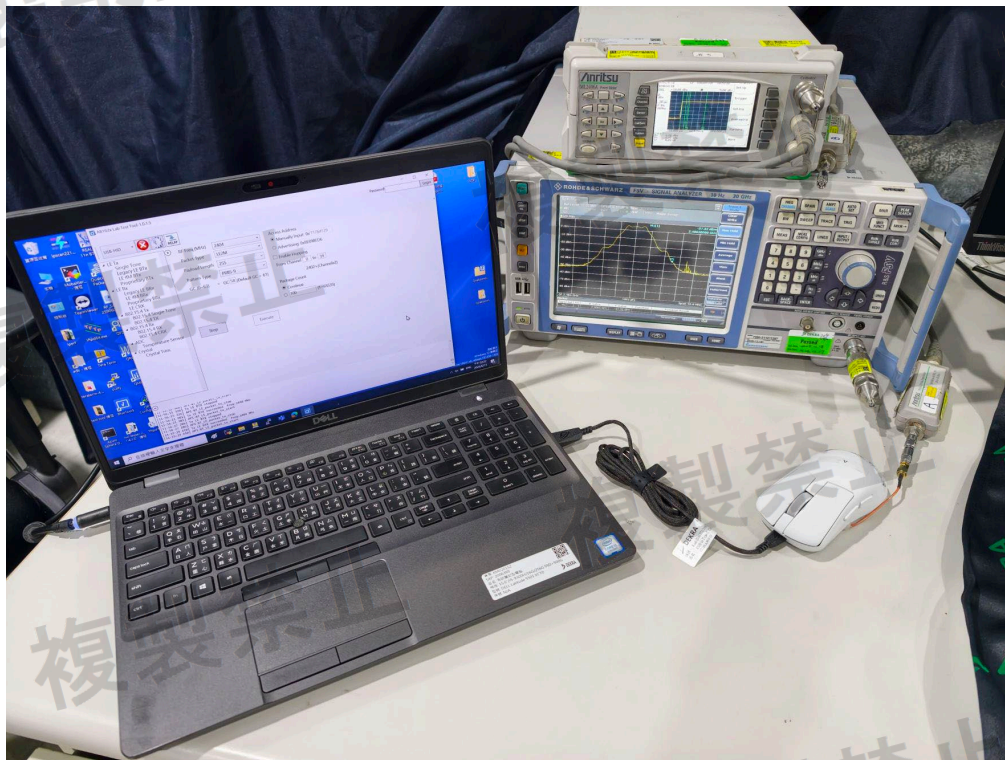
Description: Test Setup (Spectrum Analyzer)



Description: Test Setup (Spectrum Analyzer)



Description: Test Setup (Power Meter)



Description: Test Setup (Power Meter)

