

Appendix A.1 Test Result of Antenna Power

Test Conditions	Modulation	Frequency (MHz)	Antenna Power (dBm)	Antenna Power (mW)	Limit (mW)	Result
V _{nom}	GFSK (1Mbps)	2402	2.54	1.7947	10.0000	Pass
		2440	2.25	1.6788	10.0000	Pass
		2480	1.29	1.3459	10.0000	Pass
	GFSK (2Mbps)	2402	2.56	1.8030	10.0000	Pass
		2440	2.33	1.7100	10.0000	Pass
		2480	1.57	1.4355	10.0000	Pass

Antenna Power With Duty Factor

Appendix A.2 Test Result of 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	1.7947	1.7947	0.00	+20	Pass
		2440	1.7947	1.6788	-6.46	+20	Pass
		2480	1.7947	1.3459	-25.01	+20	Pass
	GFSK (2Mbps)	2402	1.803	1.8030	0.00	+20	Pass
		2440	1.803	1.7100	-5.16	+20	Pass
		2480	1.803	1.4355	-20.38	+20	Pass

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

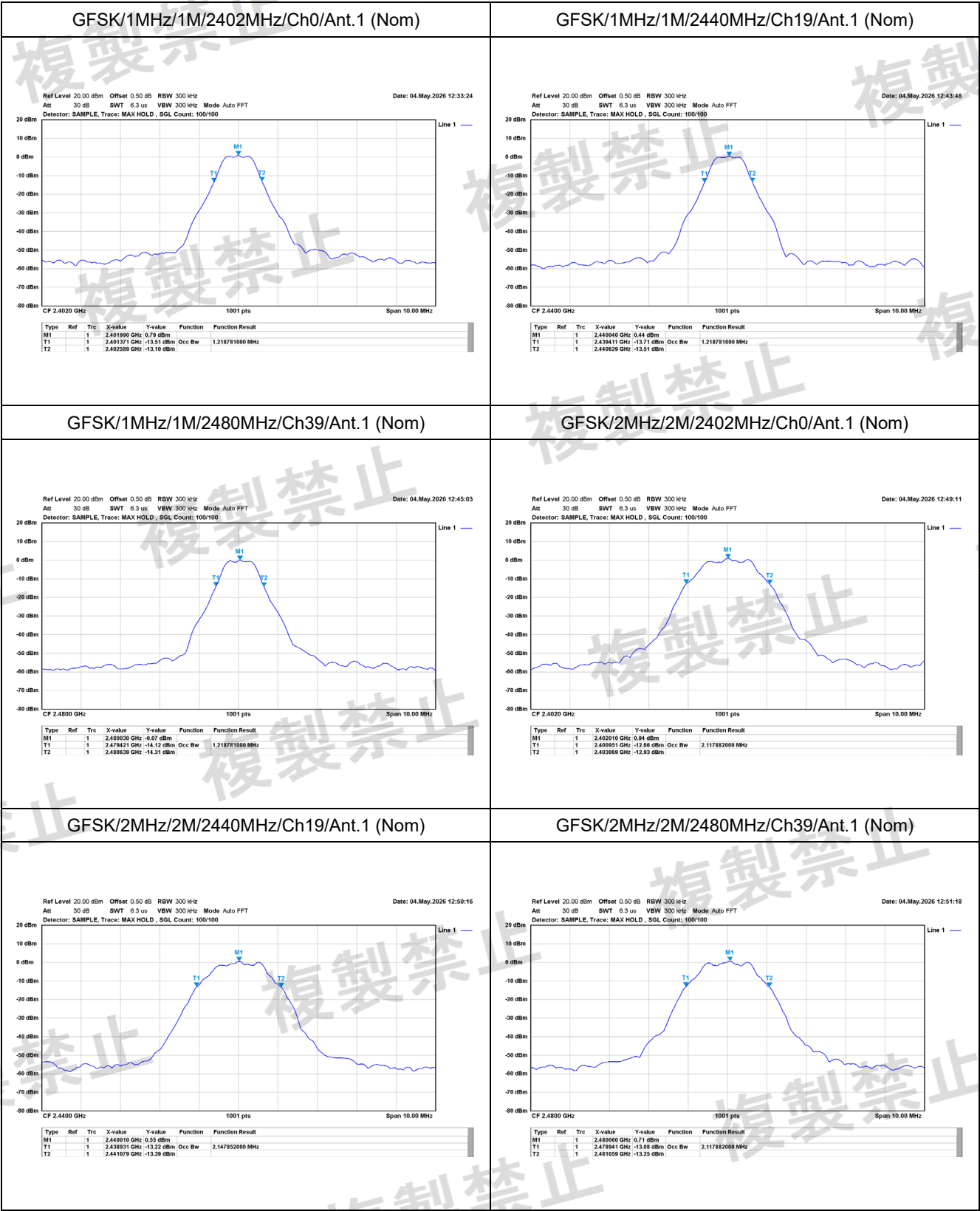
Appendix A.3 Test Result of E.I.R.P

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	2.54	1.60	4.14	12.14	Pass
		2440	2.25	1.60	3.85	12.14	Pass
		2480	1.29	1.60	2.89	12.14	Pass
	GFSK (2Mbps)	2402	2.56	1.60	4.16	12.14	Pass
		2440	2.33	1.60	3.93	12.14	Pass
		2480	1.57	1.60	3.17	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	1.22	≤ 26.00	Pass
		2480	1.22	≤ 26.00	Pass
	GFSK (2Mbps)	2402	2.12	≤ 26.00	Pass
		2440	2.15	≤ 26.00	Pass
		2480	2.12	≤ 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	2402.0231	9.62	± 50	Pass
		2440	2440.0228	9.34	± 50	Pass
		2480	2480.0270	10.89	± 50	Pass
	GFSK (2Mbps)	2402	2402.0015	0.62	± 50	Pass
		2440	2440.0063	2.58	± 50	Pass
		2480	2480.0126	5.08	± 50	Pass

Appendix D. Test Result of Transmitter Spurious Emissions

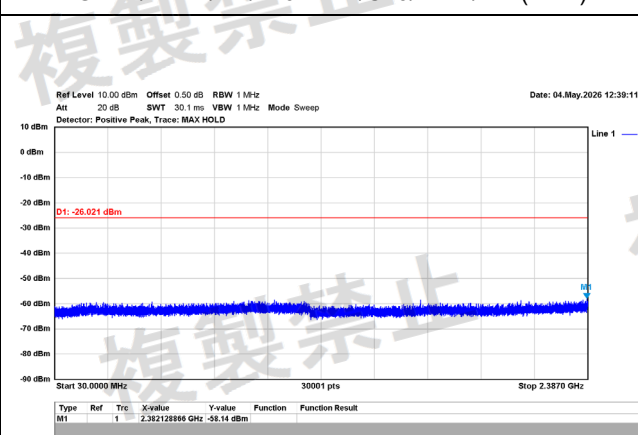
Test Conditions	Modulation	Frequency (MHz)	Frequency Range (MHz)	Measurement Value (μW/MHz)	Limit (μW/MHz)	Result
V _{nom}	GFSK (1Mbps)	2402	30 ~ 2387	0.00153	2.50000	Pass
			2387 ~ 2400	0.52723	25.00000	Pass
			2483.5 ~ 2496.5	0.00185	25.00000	Pass
			2496.5 ~ 12500	0.17701	2.50000	Pass
		2440	30 ~ 2387	0.00182	2.50000	Pass
			2387 ~ 2400	0.00208	25.00000	Pass
			2483.5 ~ 2496.5	0.00195	25.00000	Pass
			2496.5 ~ 12500	0.13397	2.50000	Pass
		2480	30 ~ 2387	0.00166	2.50000	Pass
			2387 ~ 2400	0.00220	25.00000	Pass
			2483.5 ~ 2496.5	0.02328	25.00000	Pass
			2496.5 ~ 12500	0.16482	2.50000	Pass

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

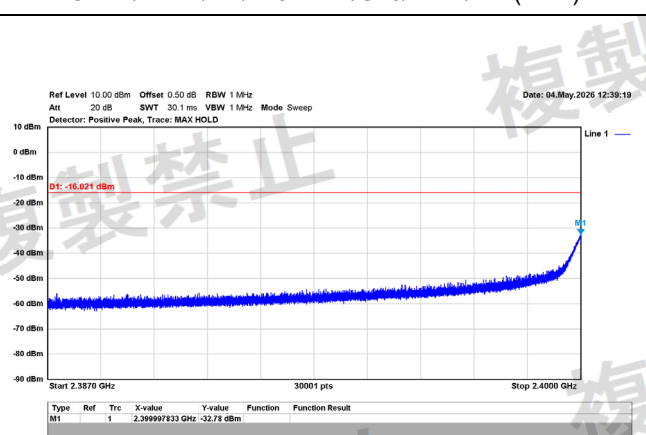
Test Conditions	Modulation	Frequency (MHz)	Frequency Range (MHz)	Measurement Value (μW/MHz)	Limit (μW/MHz)	Result
V _{nom}	GFSK (2Mbps)	2402	30 ~ 2387	0.00157	2.50000	Pass
			2387 ~ 2400	5.92925	25.00000	Pass
			2483.5 ~ 2496.5	0.00213	25.00000	Pass
			2496.5 ~ 12500	0.18113	2.50000	Pass
		2440	30 ~ 2387	0.00156	2.50000	Pass
			2387 ~ 2400	0.00210	25.00000	Pass
			2483.5 ~ 2496.5	0.00200	25.00000	Pass
			2496.5 ~ 12500	0.15031	2.50000	Pass
		2480	30 ~ 2387	0.00142	2.50000	Pass
			2387 ~ 2400	0.00220	25.00000	Pass
			2483.5 ~ 2496.5	0.01259	25.00000	Pass
			2496.5 ~ 12500	0.22594	2.50000	Pass

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

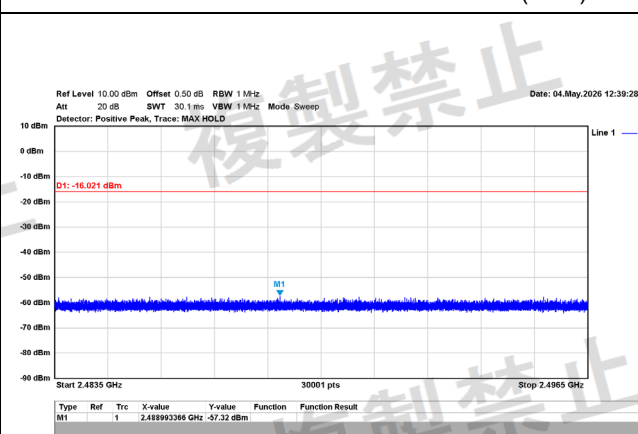
GFSK/1MHz/1M/2402MHz/Ch0/Ant.1/1-4 (Nom)



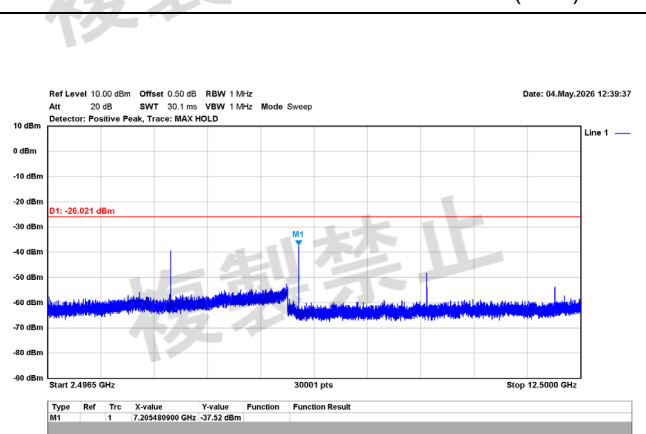
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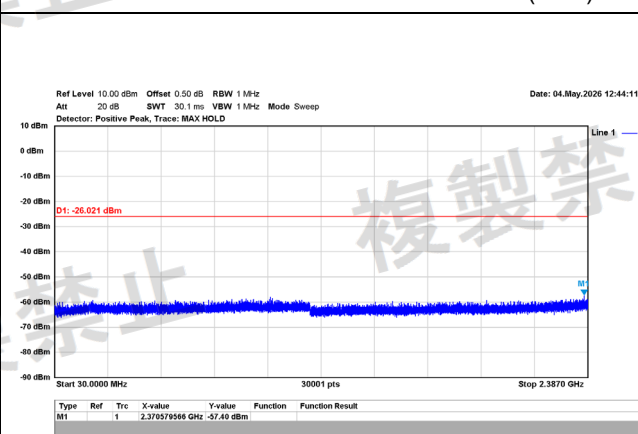
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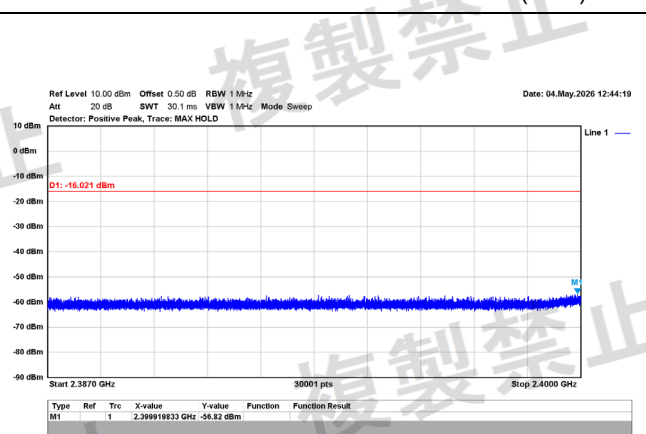
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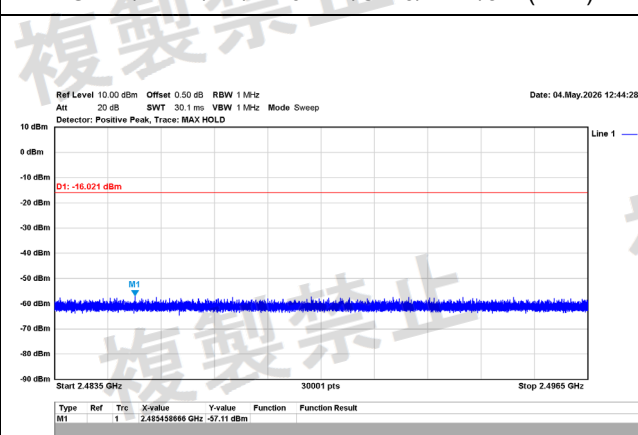
GFSK/1MHz/1M/2440MHz/Ch19/Ant.1/1-4 (Nom)



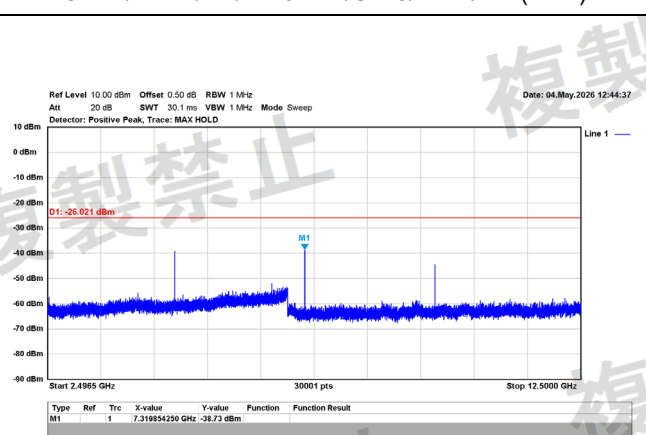
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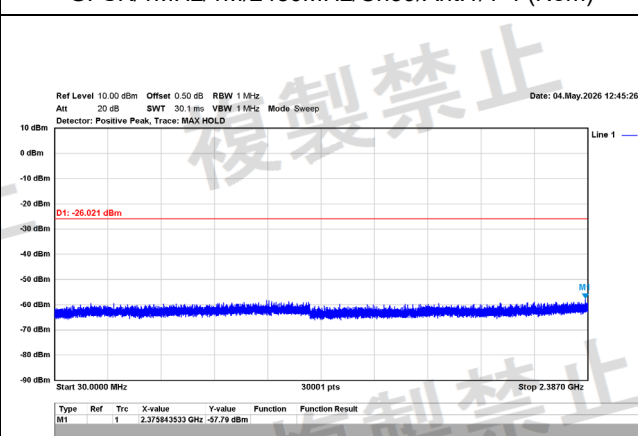
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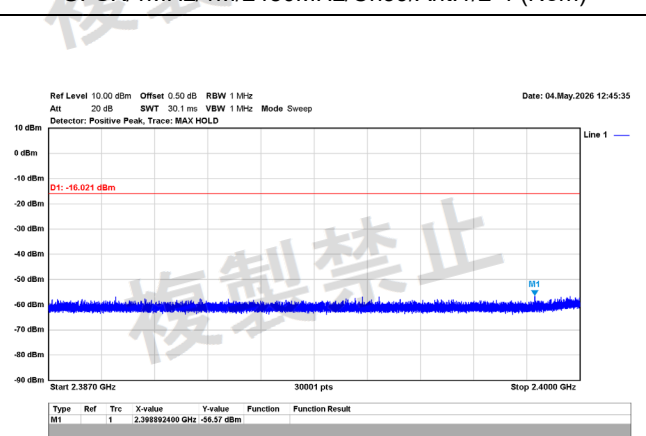
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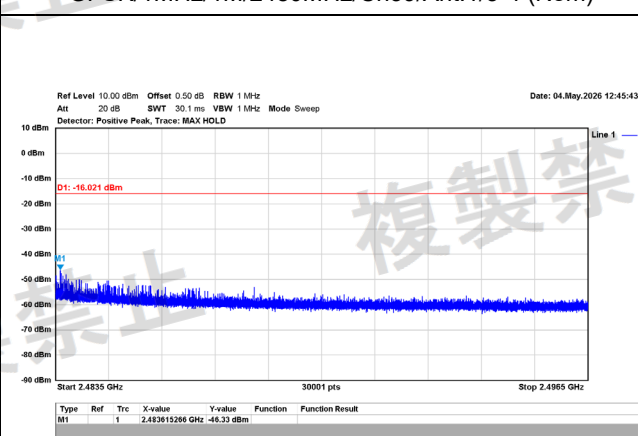
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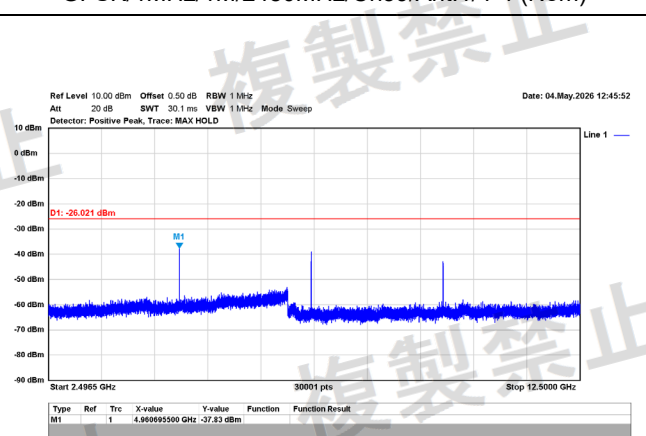
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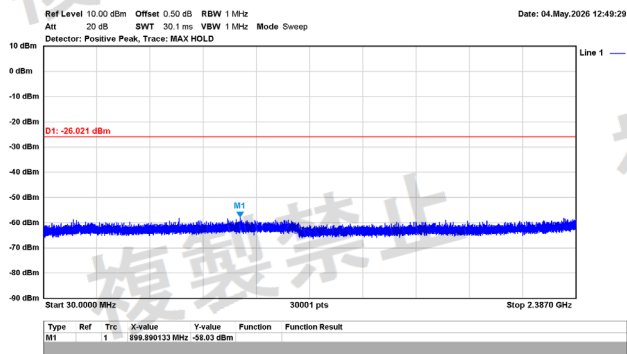
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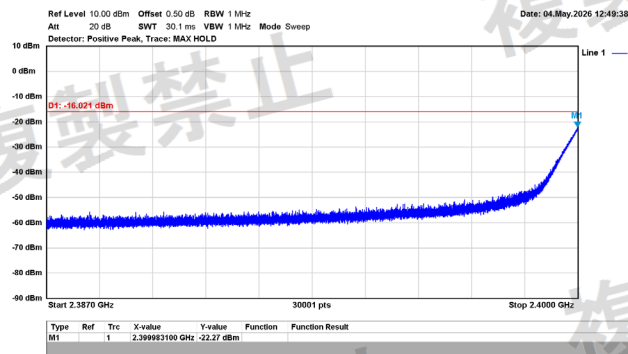
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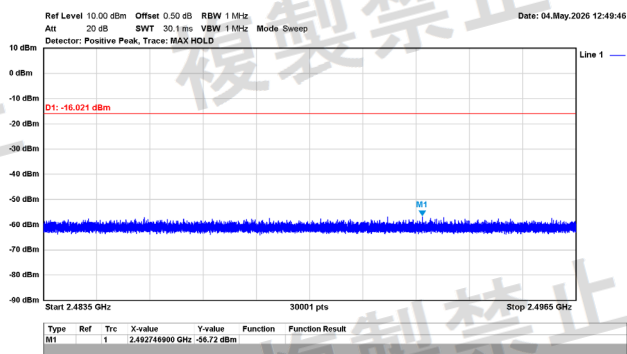
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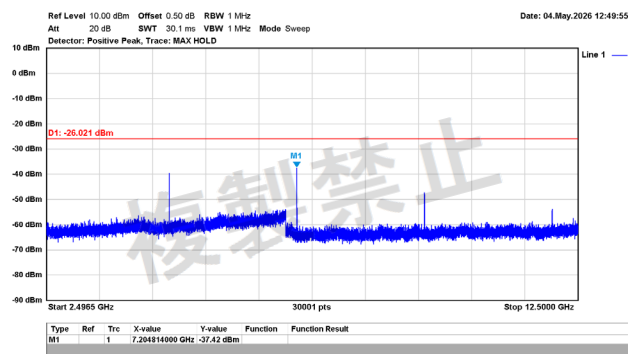
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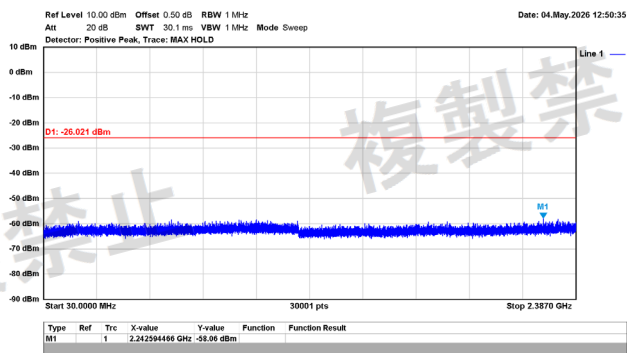
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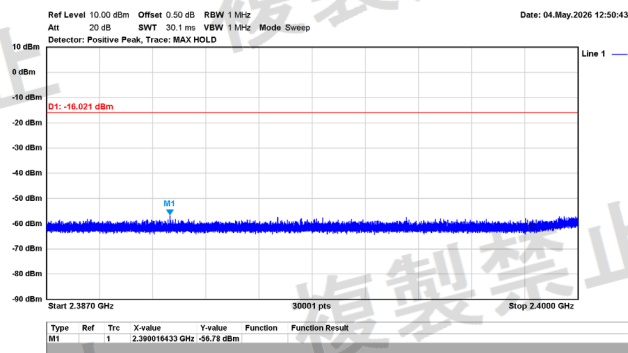
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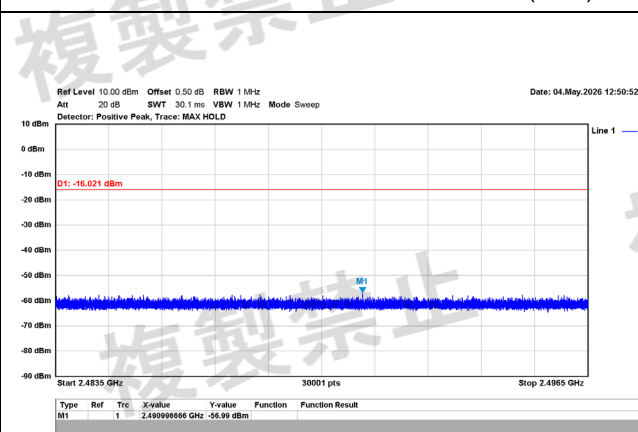
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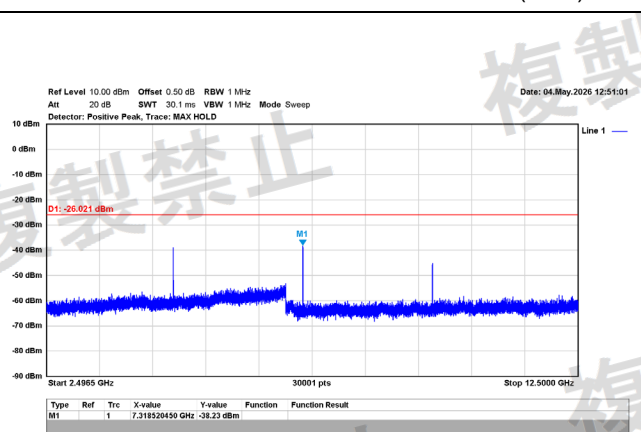
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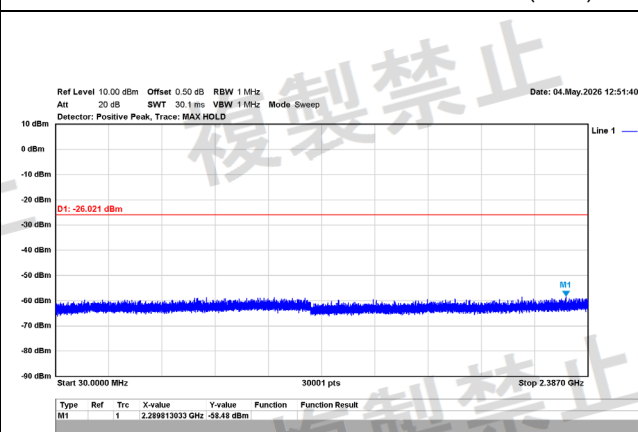
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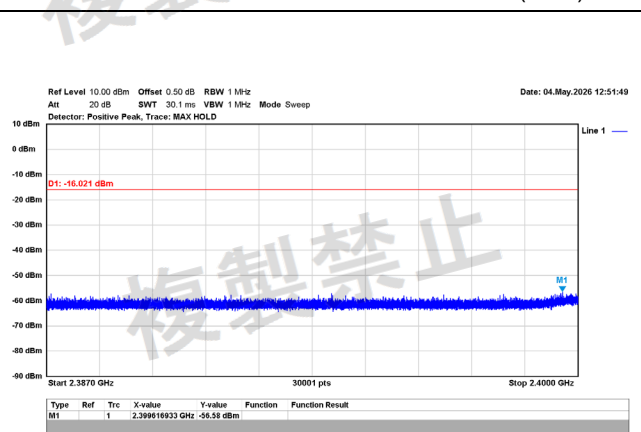
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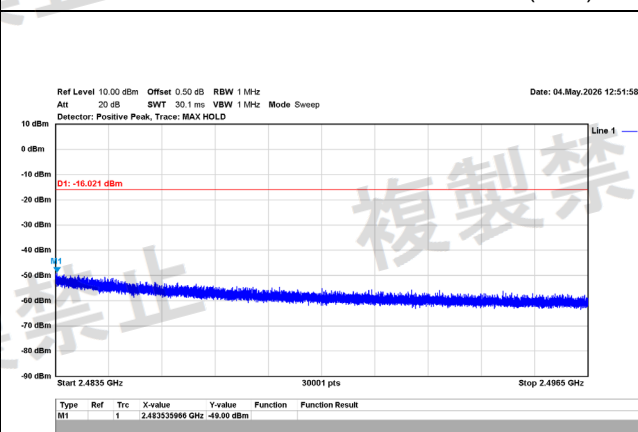
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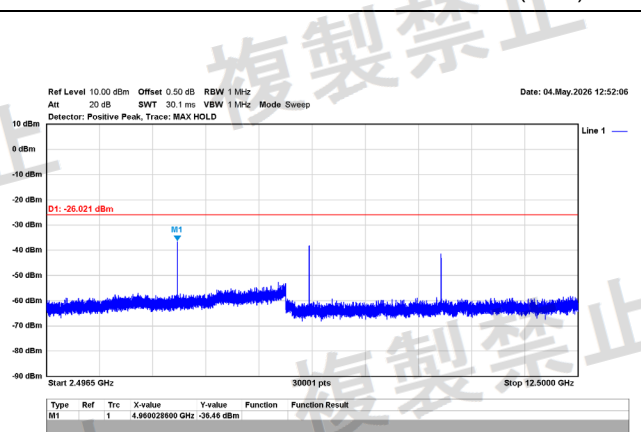
GFSK/2MHz/2M/2480MHz/Ch39/Ant. 1/2-4 (Nom)



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



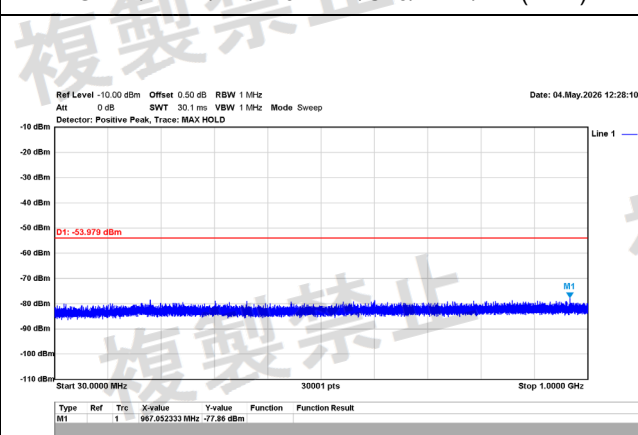
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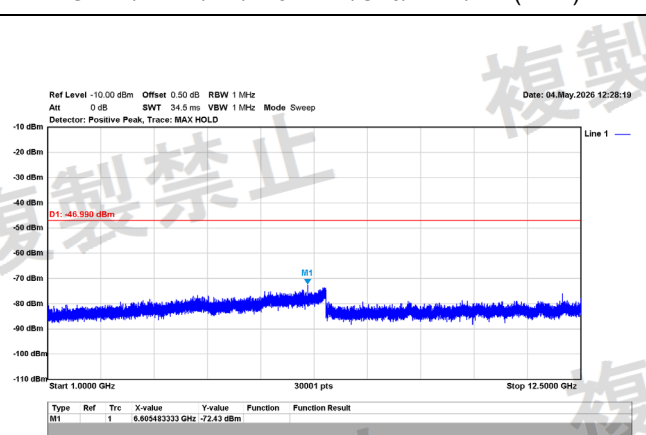
Appendix E. Test Result of Receiver Spurious Emissions

Test Conditions	Modulation	Frequency (MHz)	Frequency Range (MHz)	Measurement Value (nW/MHz)	Limit (nW/MHz)	Result
V _{nom}	GFSK (1Mbps)	2402	30 ~ 1000	0.01637	4.00000	Pass
			1000 ~ 12500	0.05715	20.00000	Pass
		2440	30 ~ 1000	0.01622	4.00000	Pass
			1000 ~ 12500	0.05248	20.00000	Pass
		2480	30 ~ 1000	0.01503	4.00000	Pass
			1000 ~ 12500	0.04943	20.00000	Pass
	GFSK (2Mbps)	2402	30 ~ 1000	0.01652	4.00000	Pass
			1000 ~ 12500	0.05408	20.00000	Pass
		2440	30 ~ 1000	0.01637	4.00000	Pass
			1000 ~ 12500	0.05321	20.00000	Pass
		2480	30 ~ 1000	0.01556	4.00000	Pass
			1000 ~ 12500	0.05248	20.00000	Pass

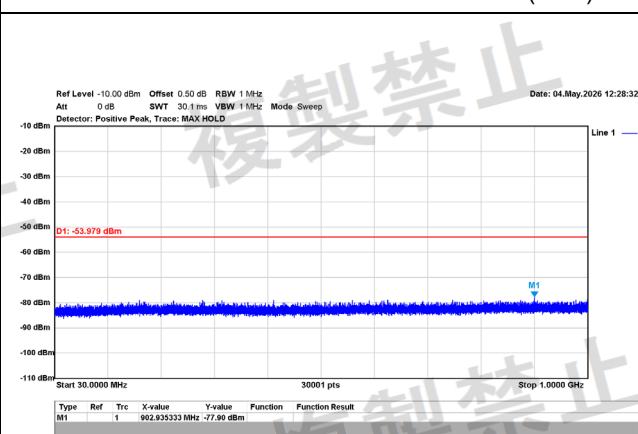
GFSK/1MHz/1M/2402MHz/Ch0/Ant. 1/1-2 (Nom)



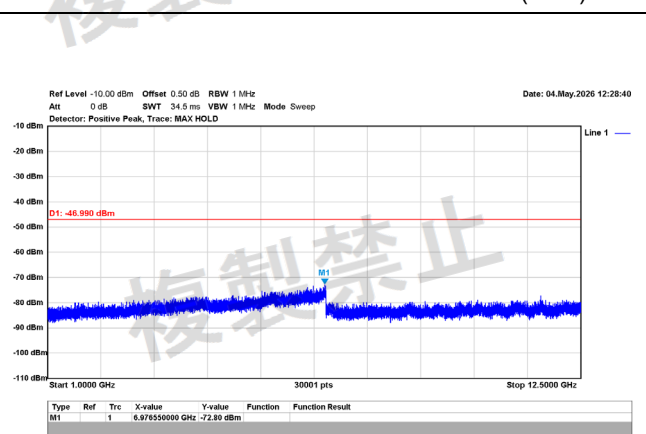
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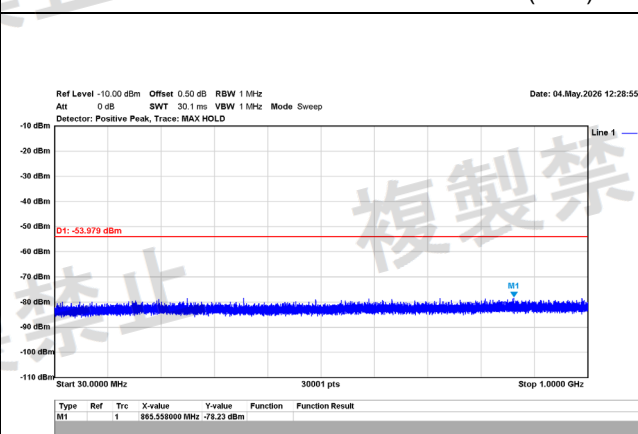
GFSK/1MHz/1M/2440MHz/Ch19/Ant. 1/1-2 (Nom)



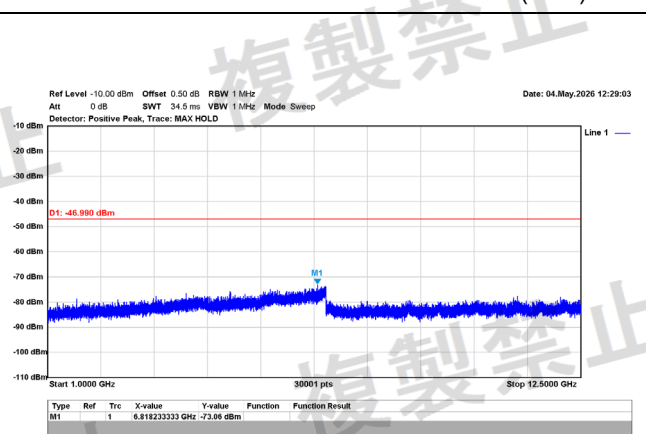
GFSK/1MHz/1M/2440MHz/Ch19/Ant. 1/2-2 (Nom)



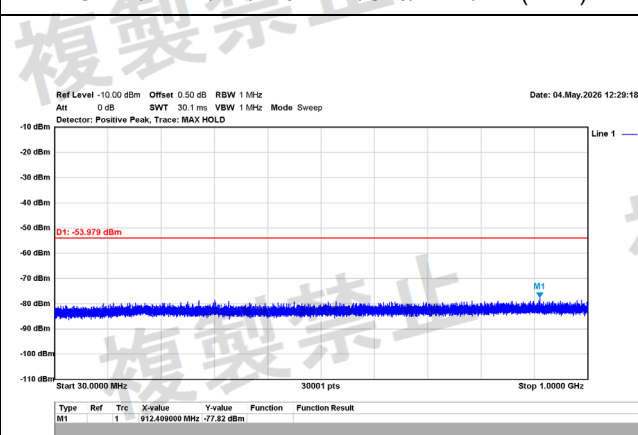
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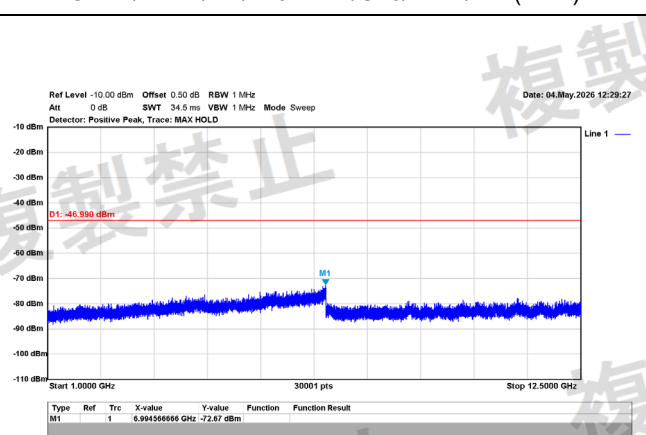
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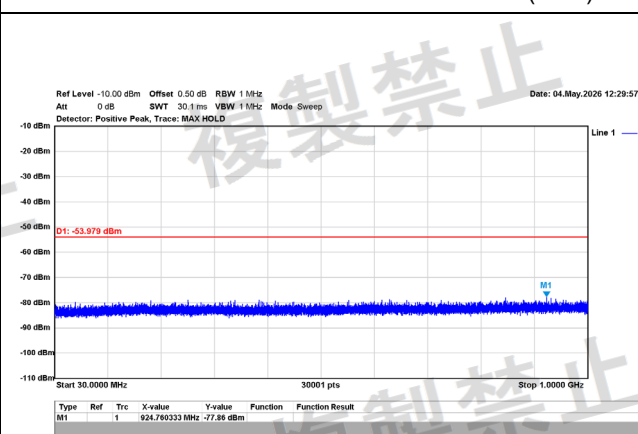
GFSK/2MHz/2M/2402MHz/Ch0/Ant. 1/1-2 (Nom)



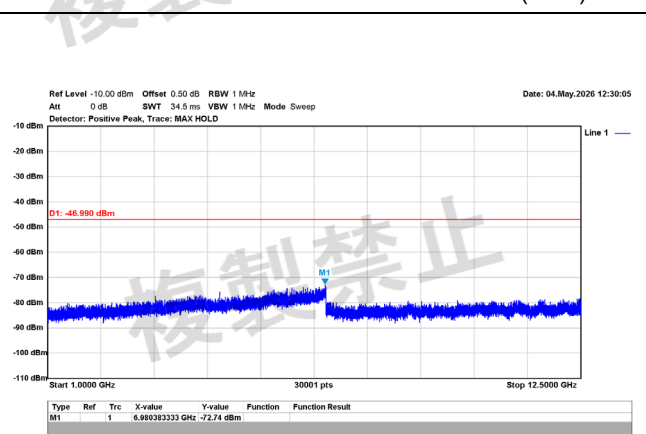
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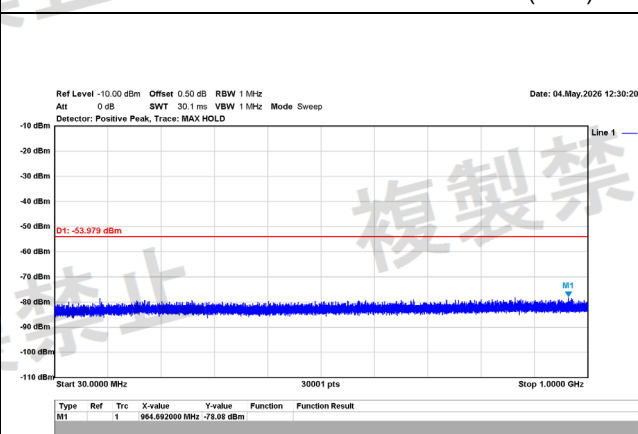
GFSK/2MHz/2M/2440MHz/Ch19/Ant. 1/1-2 (Nom)



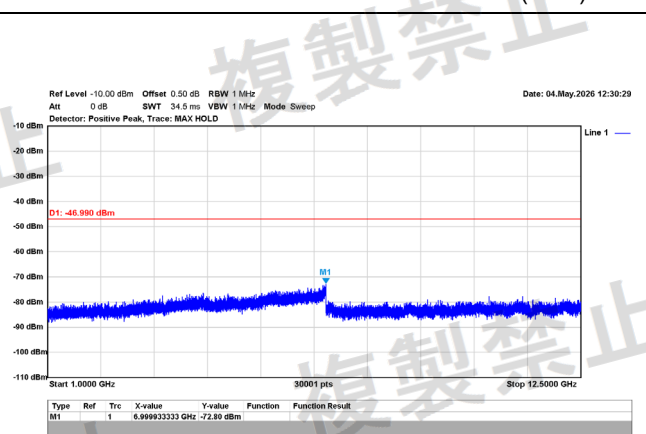
GFSK/2MHz/2M/2440MHz/Ch19/Ant. 1/2-2 (Nom)



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



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

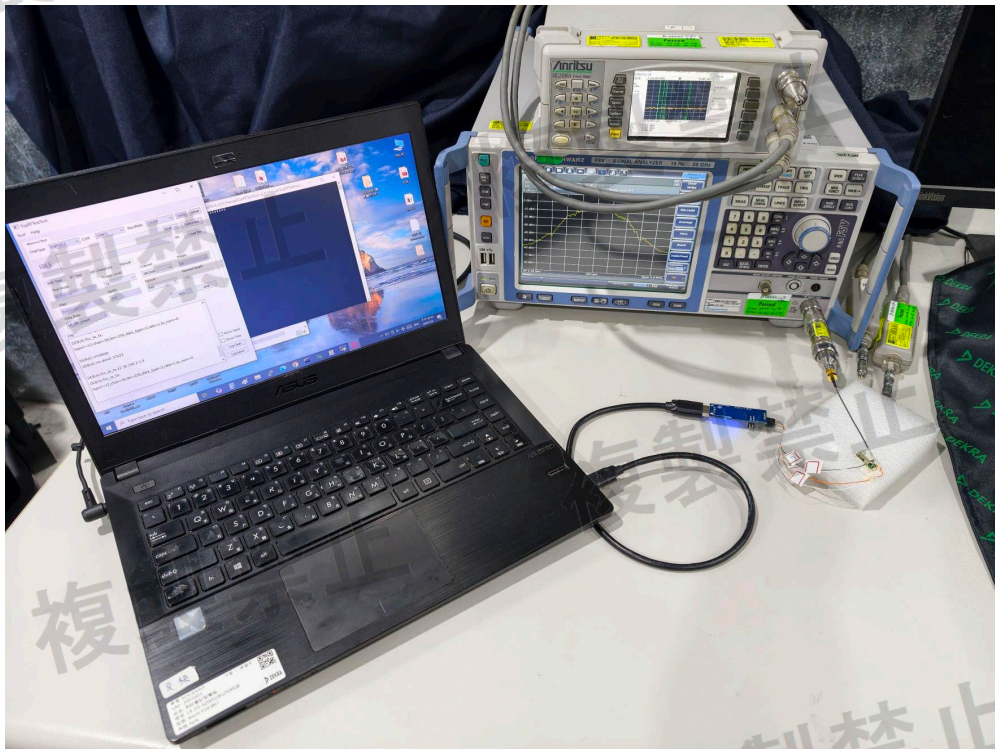


Appendix F. Test Result of Interference Prevention Function

Test Mode	Test Result
Normal Link	Pass

Appendix G. Test Photograph

Description : Test Setup (Spectrum Analyzer)



Description : Test Setup (Power Meter Measurement)

