

深圳市博远无线通讯技术有限公司

Shenzhen Boyuan wireless communication technology Co., LTD

Antenna specification

Customer list : 振凯

Project Name : J2066

Designer : 周工

Date : 2025-09-02

Electrical Specification/电气特性	
Freq. Range/频段范围 (MHz)	824-960MHz;1710-2690MHz
impedance/阻抗 (Ω)	50 Ω
Directional/辐射方向	All-directional
Polarization/极化方式	Linear polarization
Mechanical Specification/机械指标	
Material/材质	FPC
RF Cable/射频线规格	RF: 1.13
Connector Type/连接器类型	4G;一代端子
Environmental Specification/环境指标	
Operation temp/工作温度	-20℃~+85℃

Test Equipment Description



4*4*3M ETS chamber



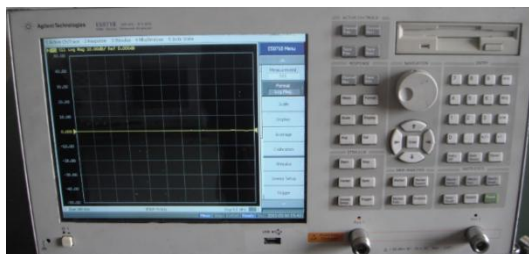
CMW500



Agilent 8960



MT8820C

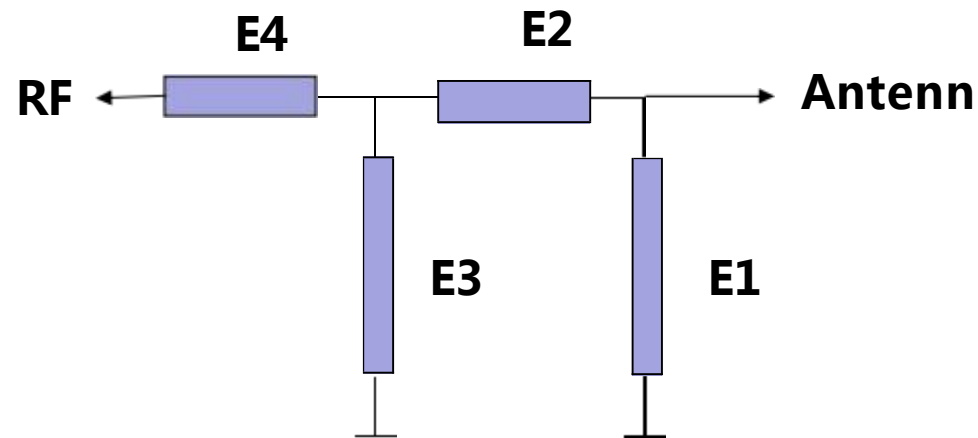


Agilent E5071B

测试系统	测试环境	有源测试	无源测试
OTA 暗室	温度: 20℃ ± 5℃ 湿度: 45% ± 15%	支持2G/3G/4G 支持WIFI/NB/BT等	700MHz——6G

Matching circuit diagram

Element	E1(0402)	E2(0402)	E3(0402)	E4(0402)
Value				

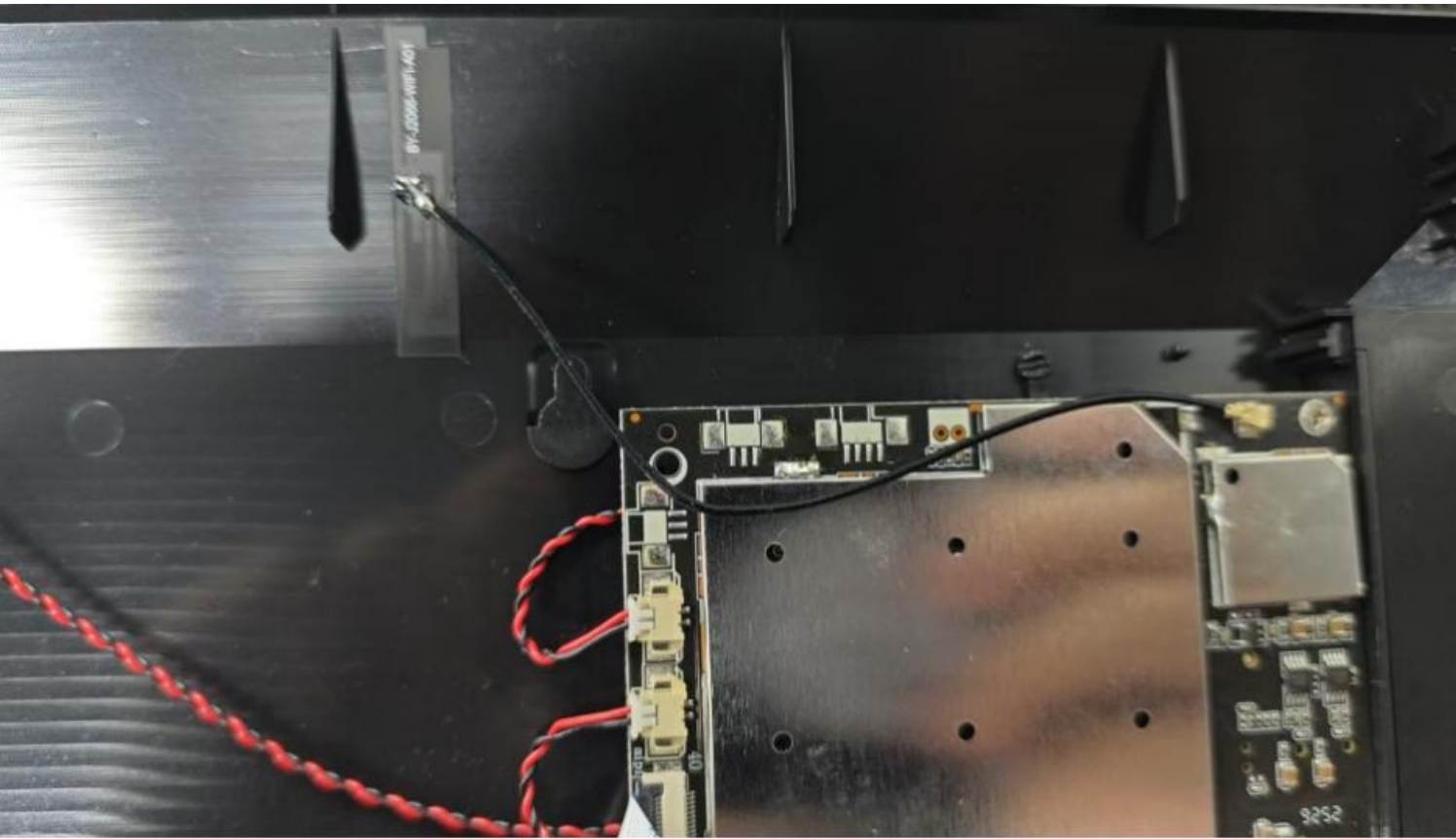


Unmodified matching circuit

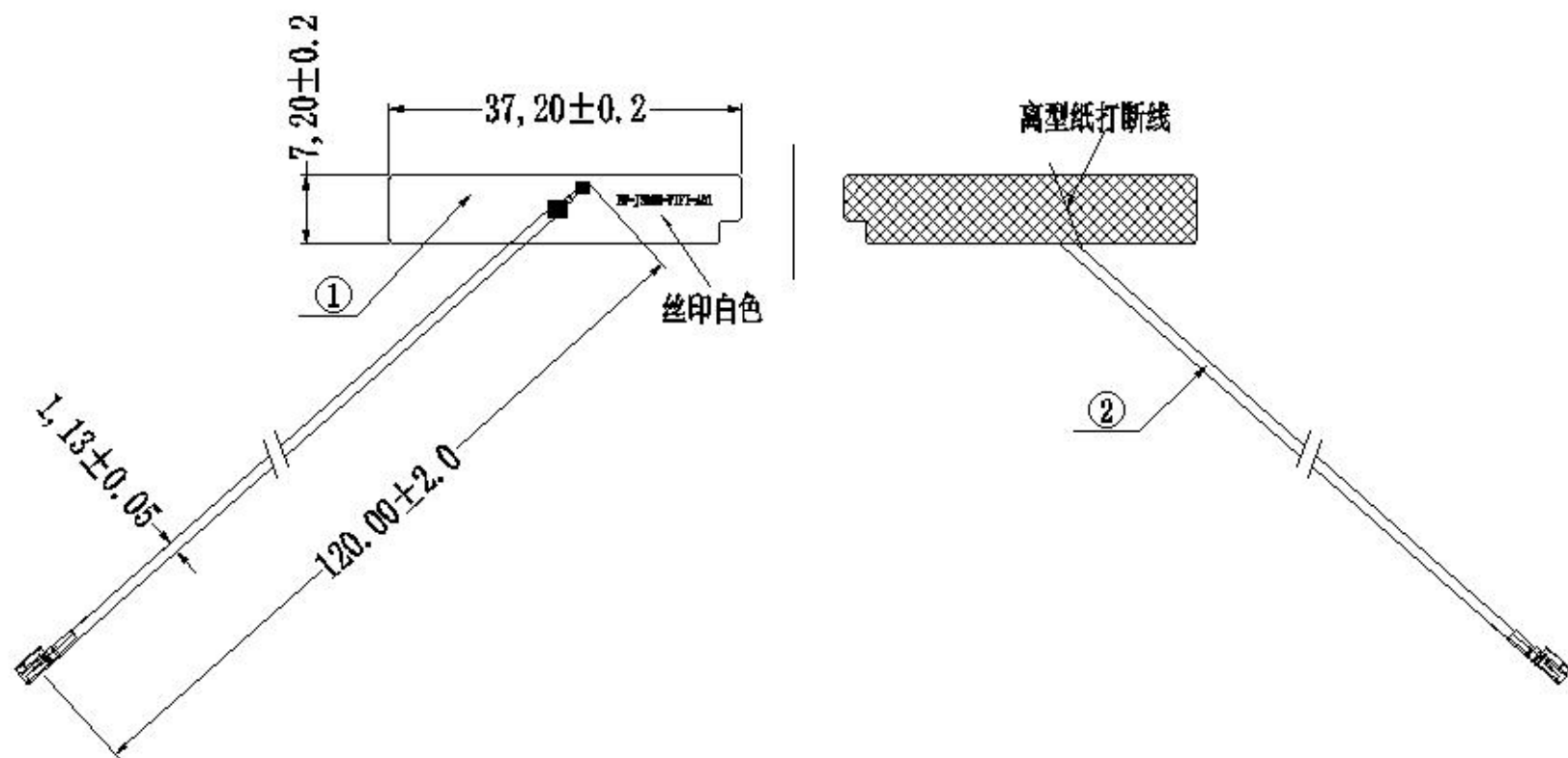
WIFI DATA

Frequency(MHZ)	Gain(dbi)	Efficiency(%)
2400	1.58	44.79
2405	1.27	41.95
2410	1.52	44.74
2415	1.03	41.47
2420	1.19	44.82
2425	0.77	43.28
2430	1.53	49.88
2435	1.10	44.84
2440	1.41	48.75
2445	0.85	43.00
2450	1.43	49.48
2455	1.11	45.65
2460	1.63	50.30
2465	1.04	44.24
2470	1.79	49.37
2475	1.49	45.15
2480	2.11	49.84
2485	1.94	46.38
2490	2.42	49.30
2495	2.17	44.85
2500	2.75	50.48

Antenna assembly:



Antenna size:





Thanks for your valuable comment!