

专业天线服务商

深圳市飞敏科技有限公司
SHENZHEN FEIMIN TECHNOLOGY CO.,LTD.



天线测试报告

Antenna test report

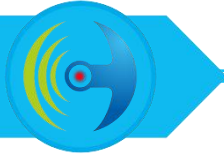
项目型号 501

天线型号

测 试 潘雄威

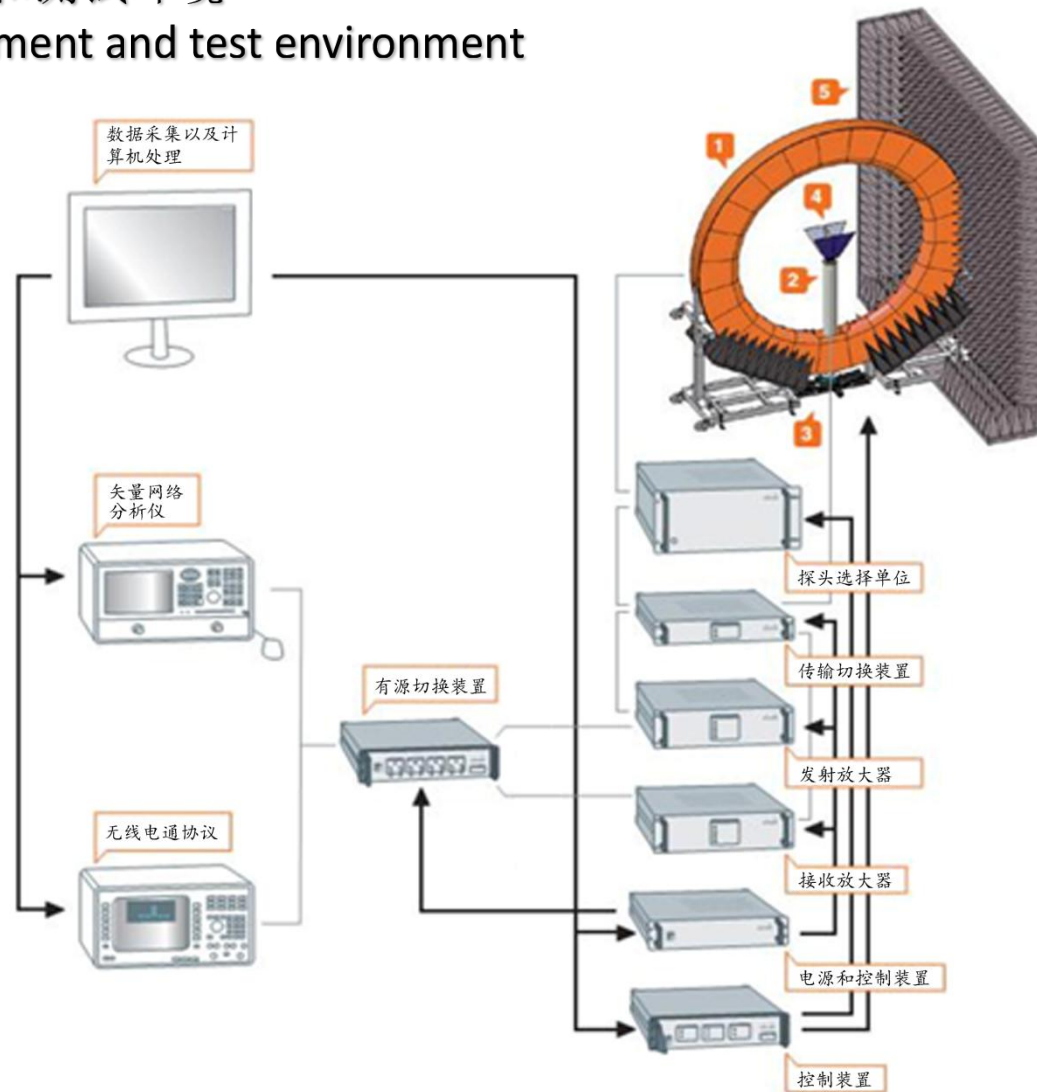
审 核

日 期 2026-8-17



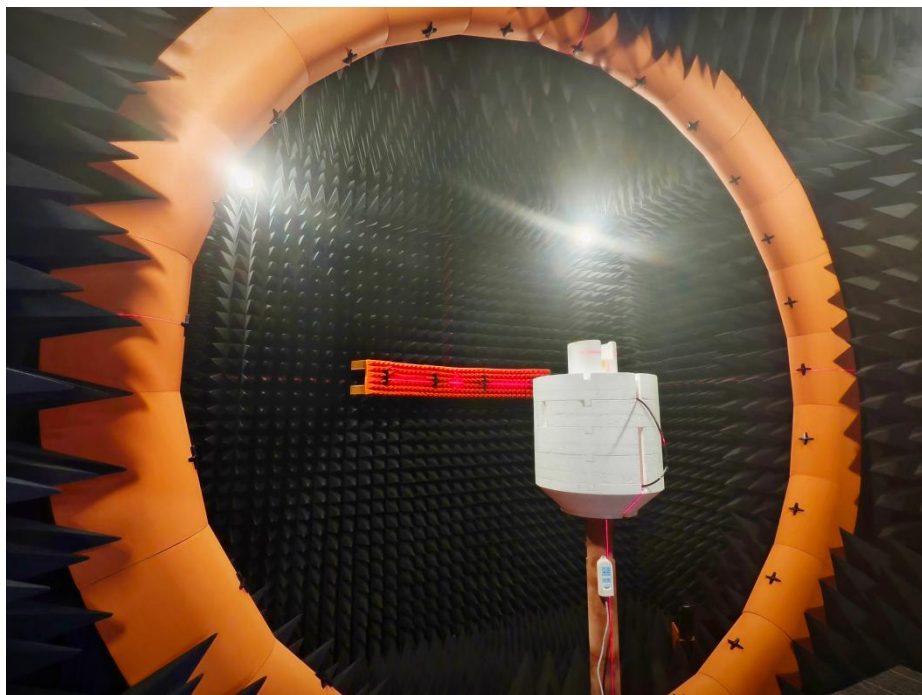
测试设备和测试环境

Test equipment and test environment





测试设备 Test equipment



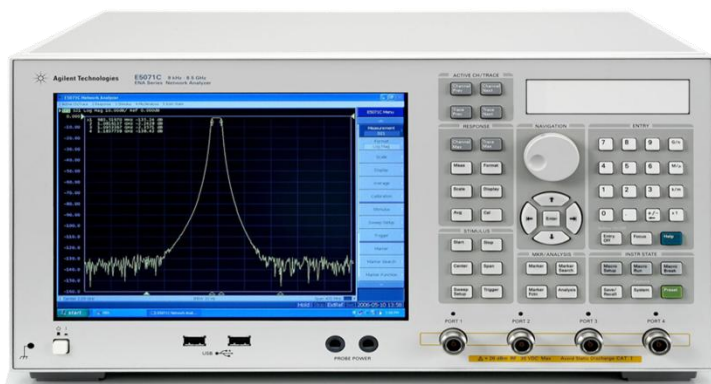
探头微波暗室
Probe microwave anechoic chamber
➤ 频率：0.4GHz至12GHz
Frequency Range : 0.4GHz-12GHz

主要测试指标 Main test indicators

- ◆ 无源指标
Passive indicators
- ◆ 增益
Gain
- ◆ 效率
Effectiveness
- ◆ 3D方向图
3D pattern
- 有源指标
Active indicator
- TRP总辐射功率
TRP total radiated power
- TIS总接收灵敏度
TIS total receiving sensitivity



测试设备 Test equipment



Agilent E5071C矢量网络分析仪

- 频率：300 kHz至8.5GHz



R&S CMW500 宽带无线通信测试仪

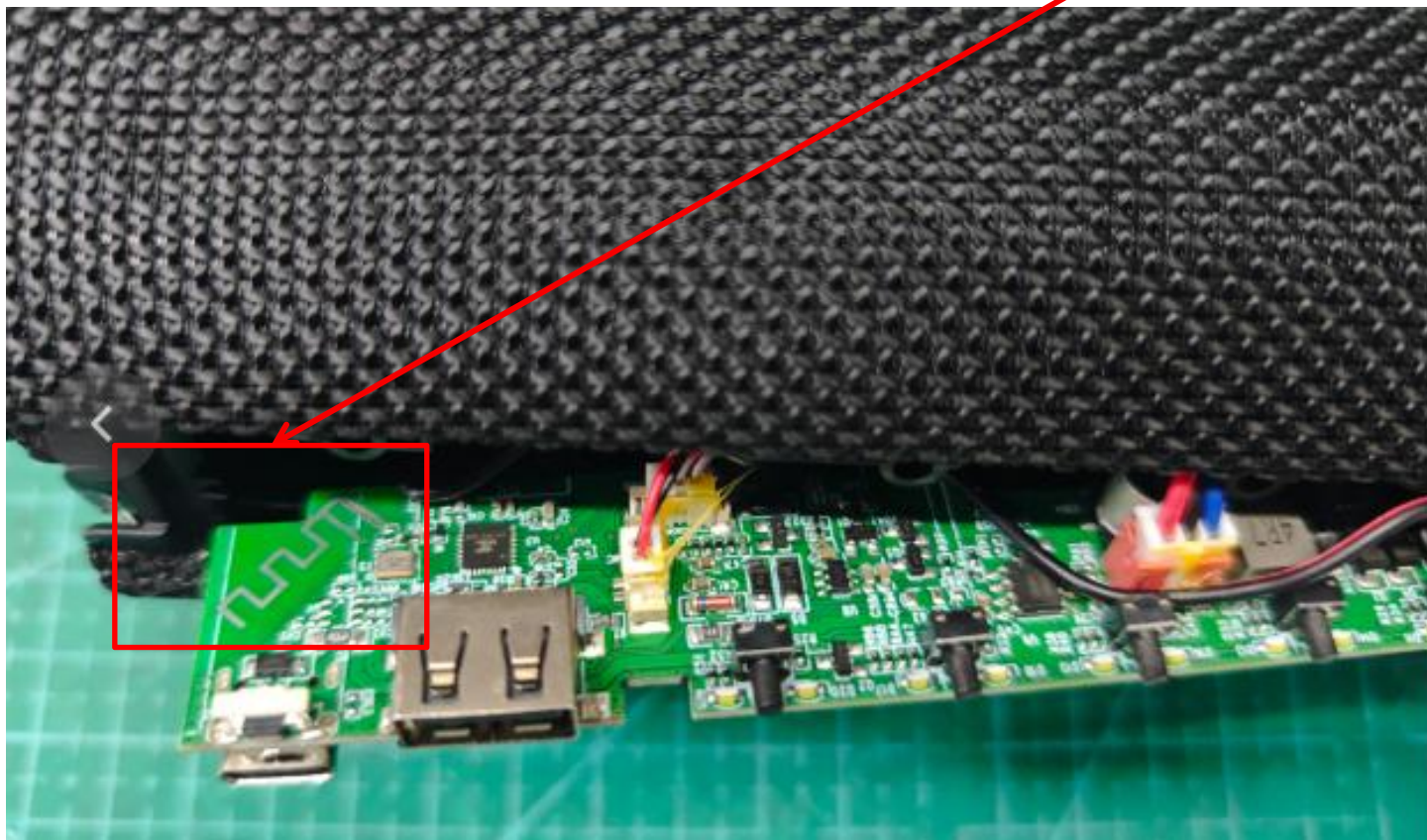
- GSM/3G/4G
- WIFI/ Bluetooth
- NB-IoT



天线安装位置

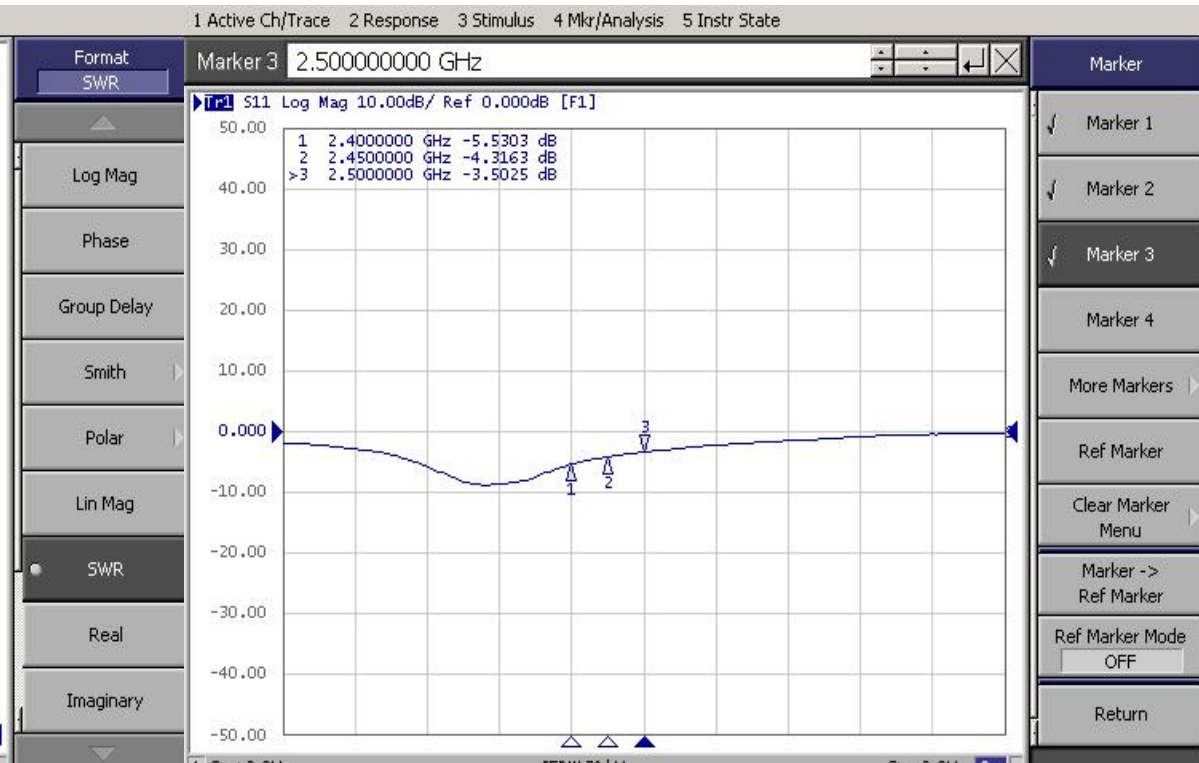
Passive antenna data

天线装配位置及方式





天线回波损耗
Antenna Return loss





天线增益与效率
Antenna gain and efficiency

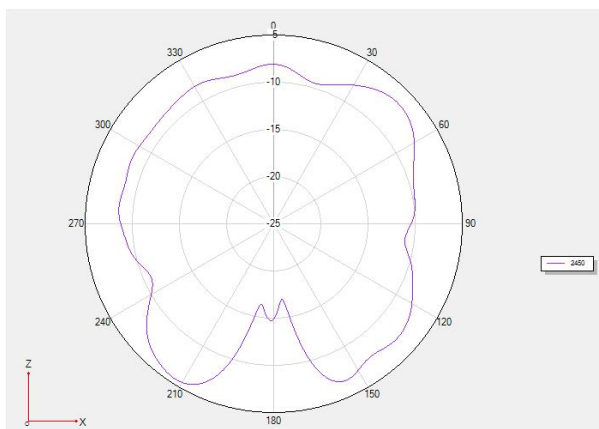
Freq(MHz)	Efficiency (%)	Gain(dBi)
2400	24.55	-3.93
2410	23.88	-4.09
2420	22.86	-4.09
2430	22.28	-3.58
2440	22.44	-3.26
2450	20.04	-3.76
2460	18.88	-4.28
2470	17.82	-4.66
2480	16.18	-4.99
2490	14.93	-5.2
2500	13.74	-5.19



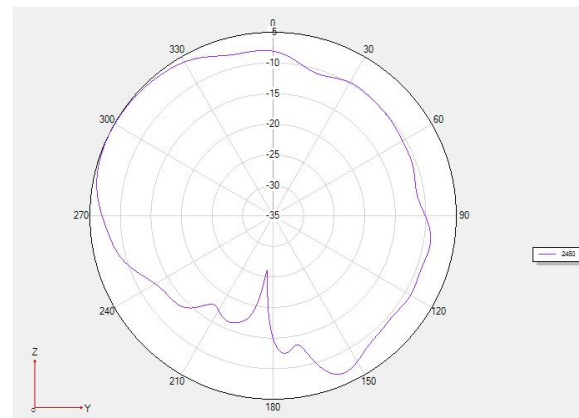
天线辐射方向图

Antenna Radiation Pattern

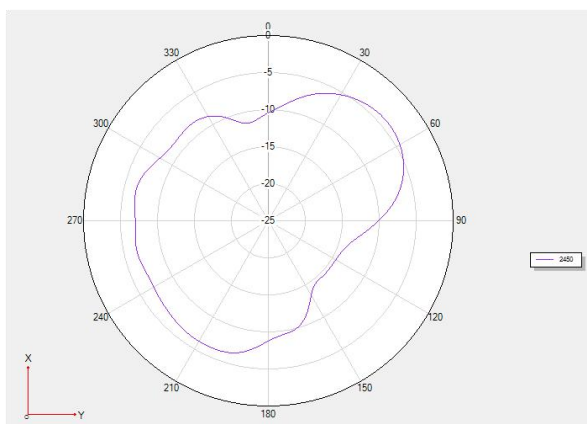
Phi 0 2D



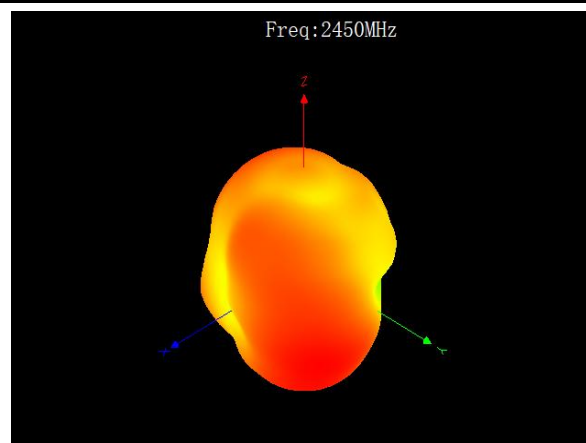
Phi 90 2D



Theta 90 2D



2450Mhz 3D



Thanks for your support!
感谢您的支持!

深圳市宝安区西乡街道固兴社区盛辉路4号科运达电商基地8楼801室

TEL:(86)755-23035723. FAX:0755-23036702

E-mail:ant001@fmant.cn

Room 801, 8th Floor,Keyunnda E-commerce Base,No. 4 Shenghui Road, Guxing Community,Xixiang Street,Bao'an,District,Shenzhen