FEIMIN
飞敏科技

专业天线服务商

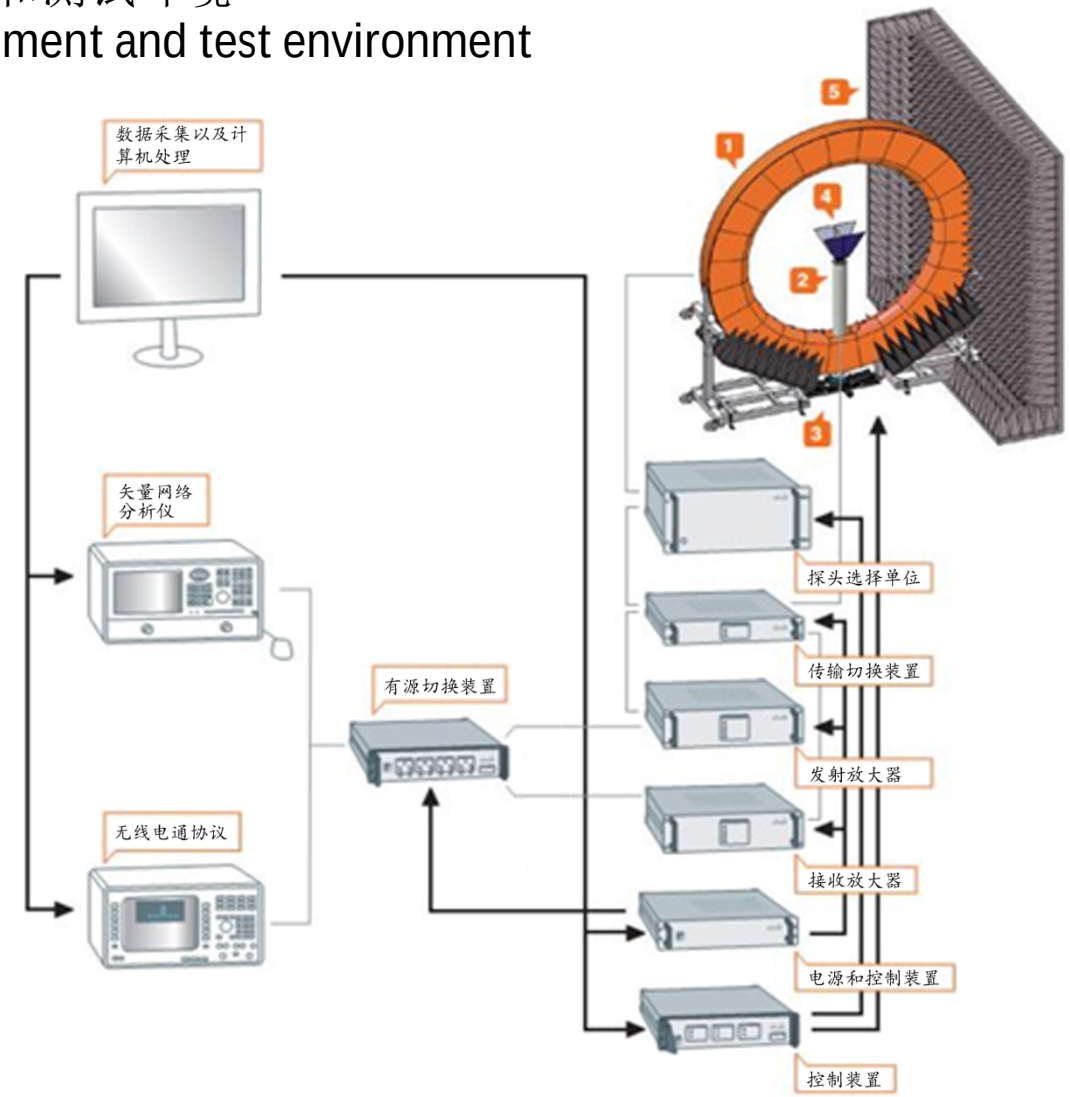
深圳市飞敏科技有限公司
SHENZHEN FEIMIN TECHNOLOGY CO.,LTD.

天线测试报告

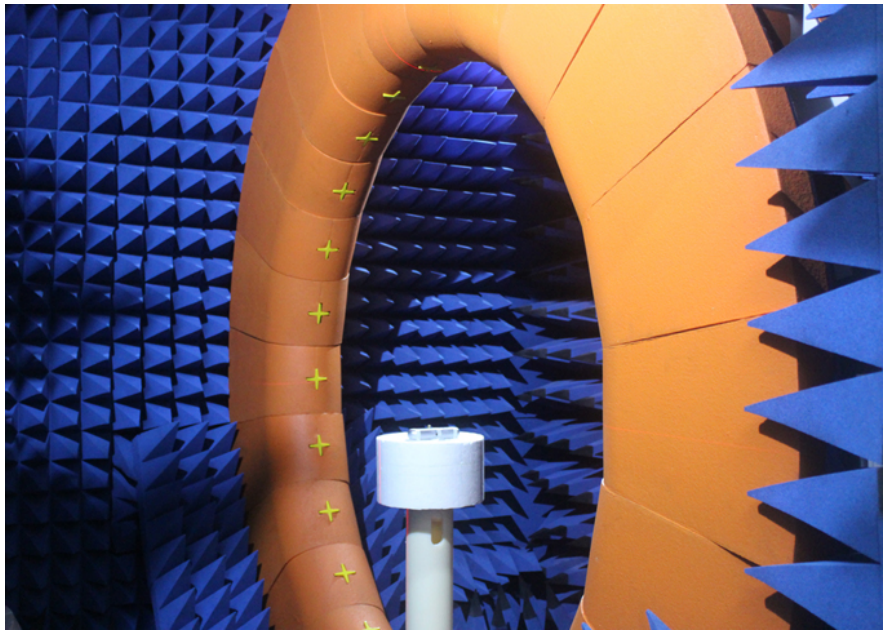
Antenna test report

项目型号	板载天线
天线型号	
测　　试	许高富
审　　核	杨权生
日　　期	2022-12-24

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

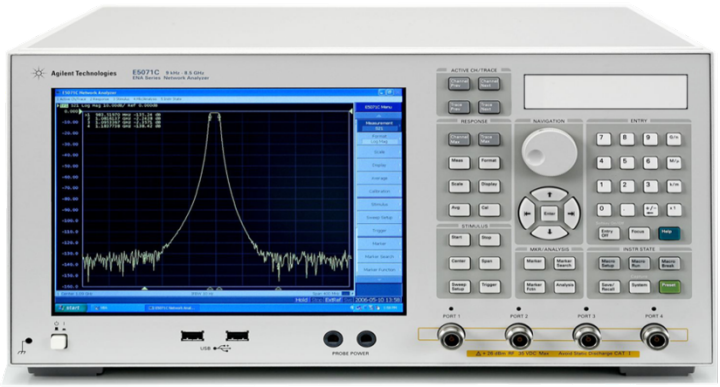
➢ 频率：0.4GHz至6GHz

主要测试指标

- ◆ 无源指标
- ◆ 增益
- ◆ 效率
- ◆ 3D方向图

- ● 有源指标
- ● TRP总辐射功率
- ● TIS总接收灵敏度

测试设备
Test equipment



Agilent E5071C矢量网络分析仪

- 频率：300 kHz至8.5GHz

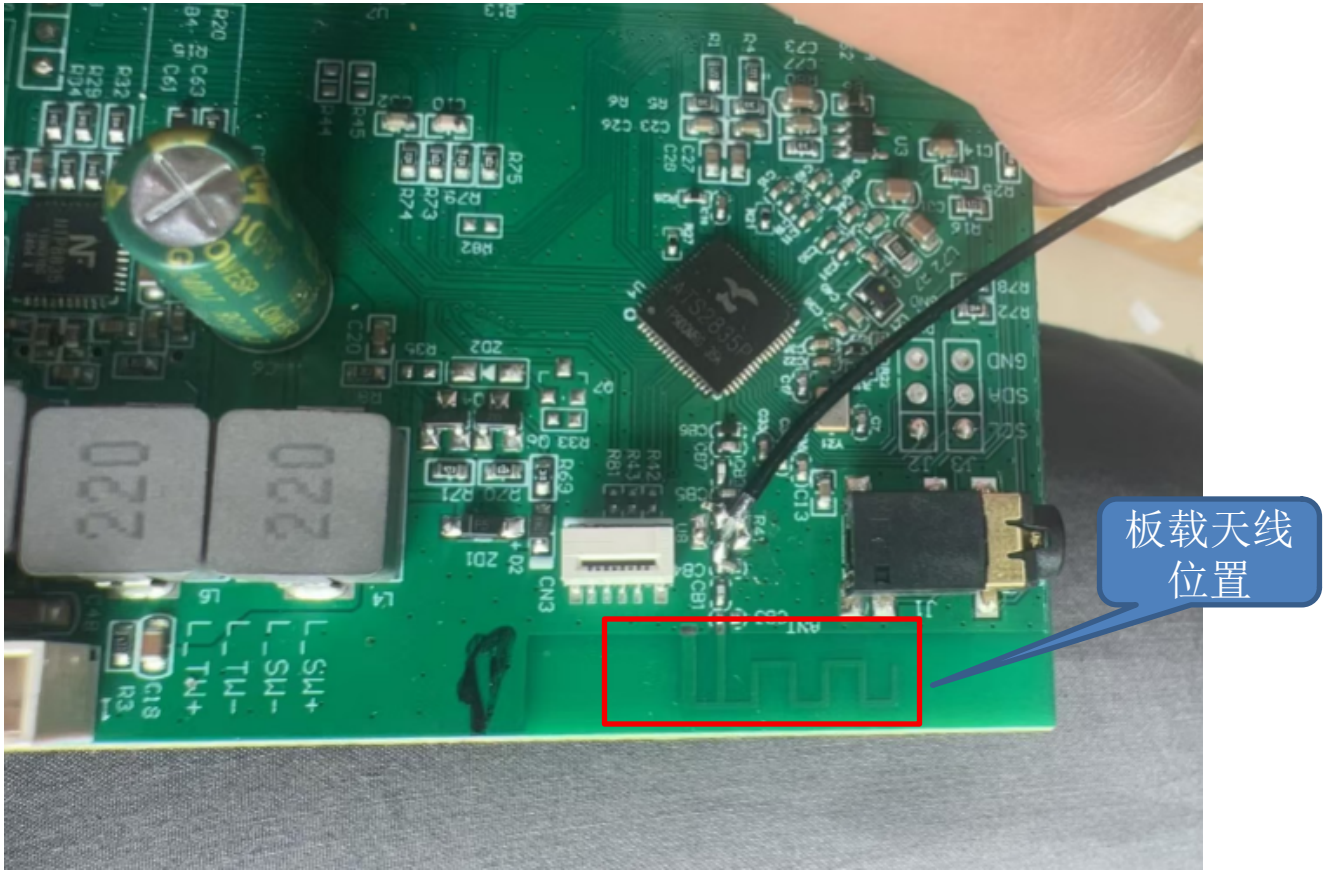
R&S CMW500 宽带无线通信测试仪

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

天线安装位置

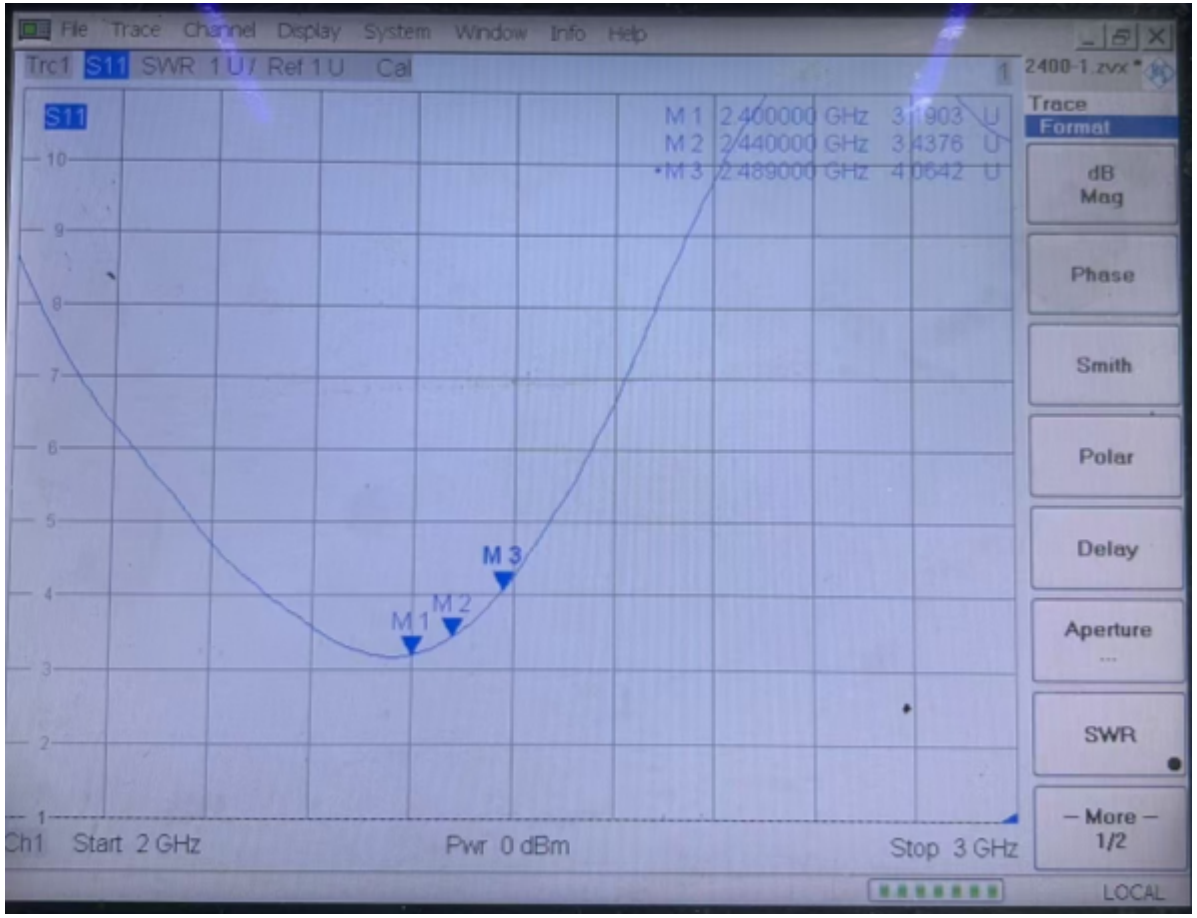
Passive antenna data

原匹配未改动



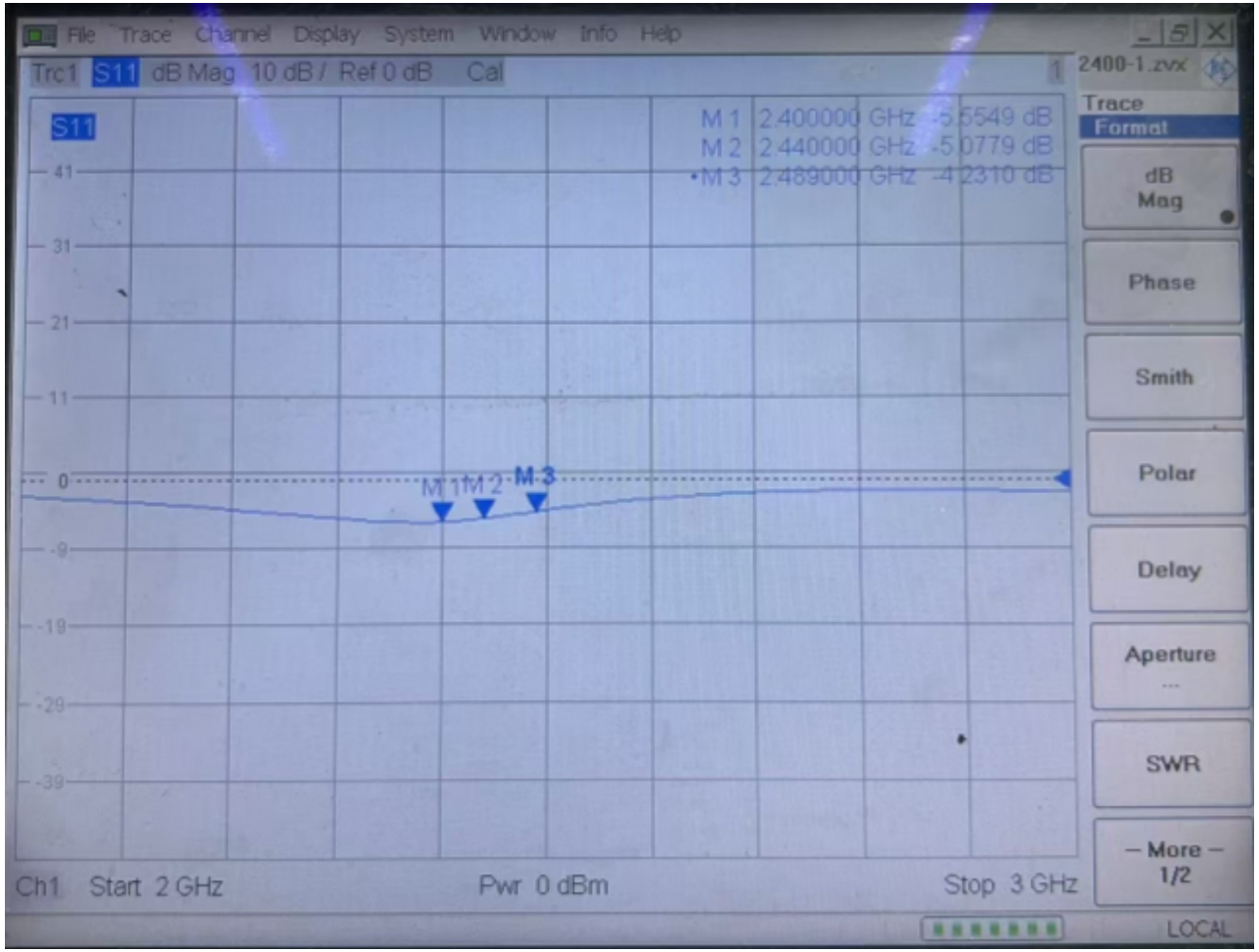
天线驻波比
Antenna SWR

原匹配未改动



天线回波损耗
Antenna Return loss

原匹配未改动



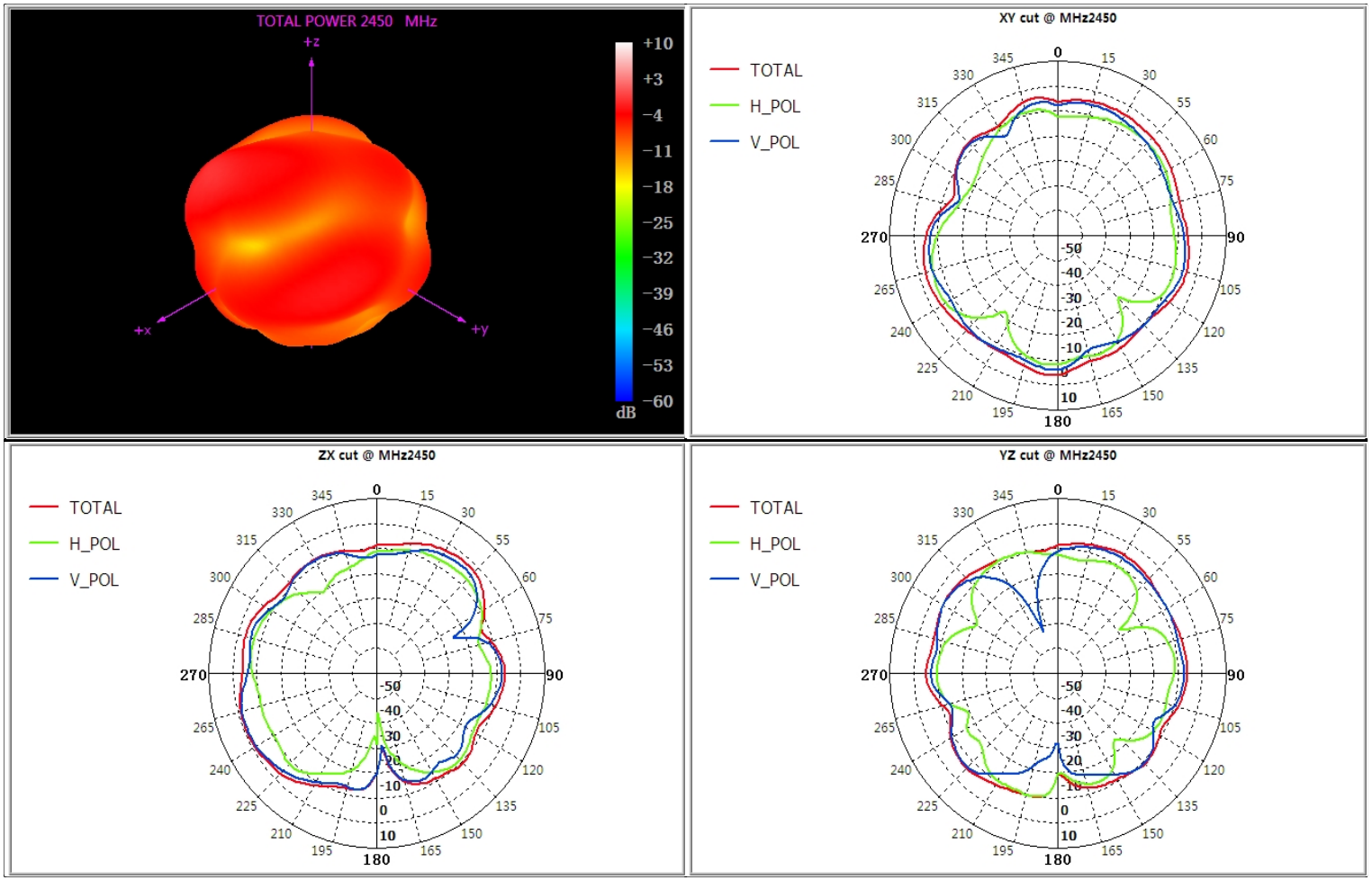
天线增益与效率
Antenna gain and efficiency

原匹配未改动

天线数据		
Freq(MHz)	Efficiency (%)	Gian(dBi)
2400	15.86	0.93
2410	15.57	0.83
2420	14.94	0.79
2430	14.68	0.72
2440	14.11	0.63
2450	13.92	0.59
2460	13.79	0.51
2470	13.18	0.48
2480	12.97	0.42
2490	12.76	0.34
2500	12.39	0.29

天线辐射方向图
Antenna Radiation Pattern

原匹配未改动



Thanks for your support!
感谢您的支持！

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