专业天线服务商

深圳市飞敏科技有限公司

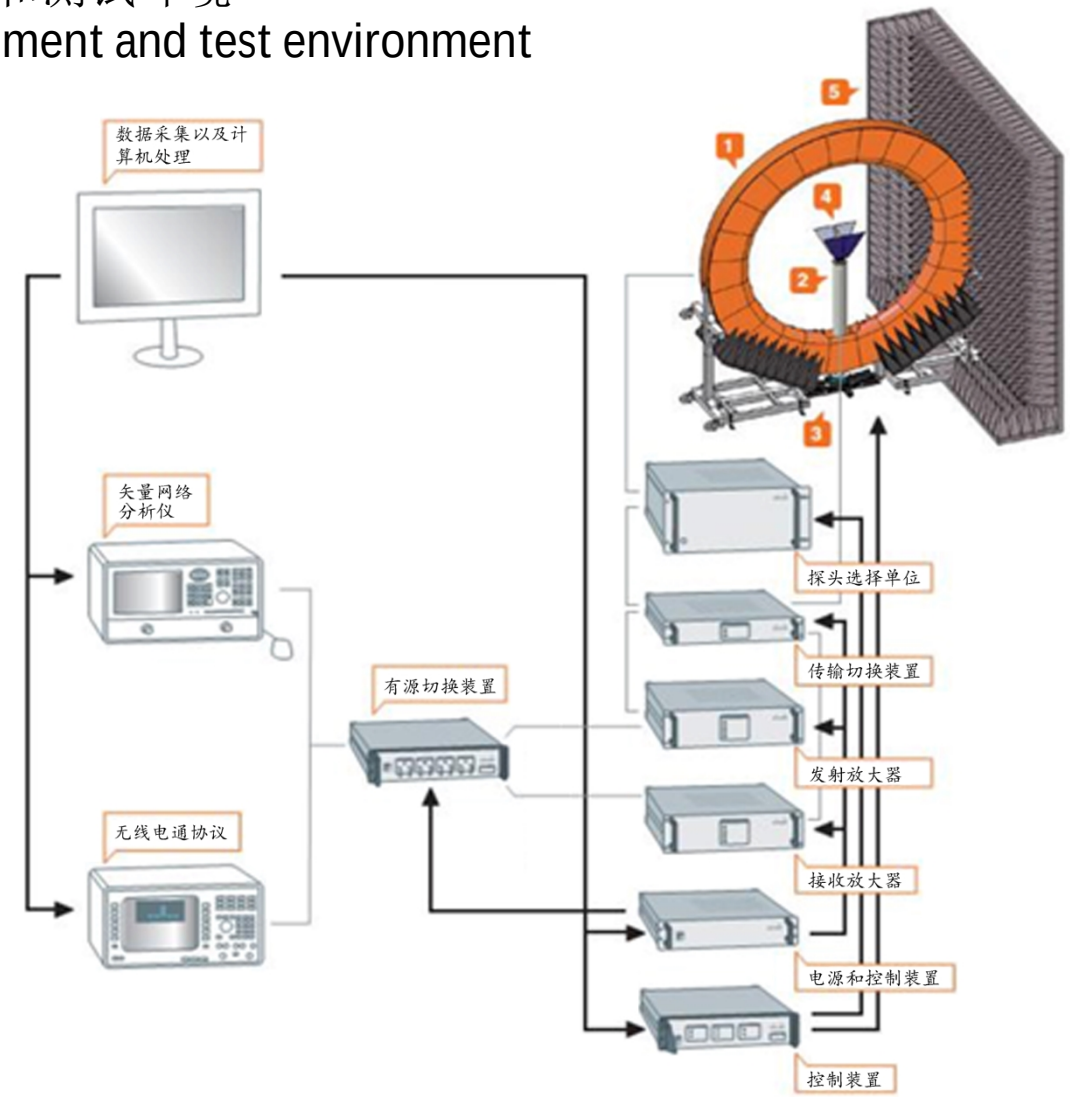
SHENZHEN FEIMIN TECHNOLOGY CO.,LTD.

天线测试报告

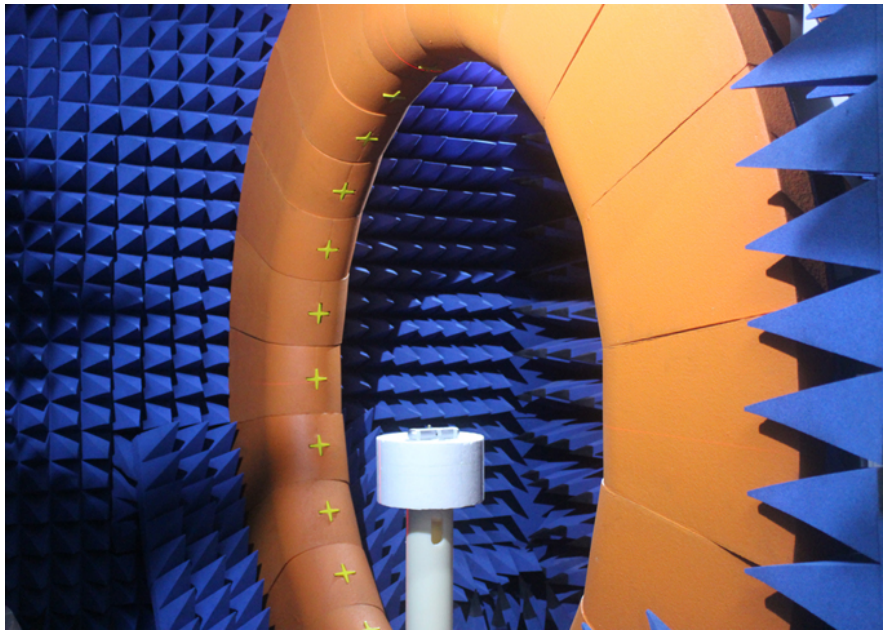
Antenna test report

项目型号	蓝牙天线
天线型号	
测　　试	许高富
审　　核	陈泽雄
日　　期	2024-12-9

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

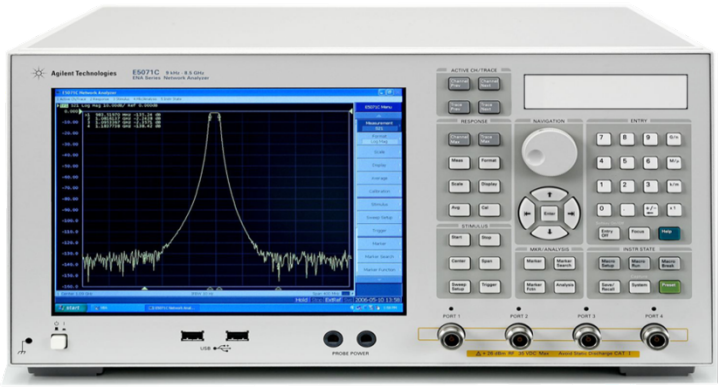
➢ 频率：0.4GHz至6GHz

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

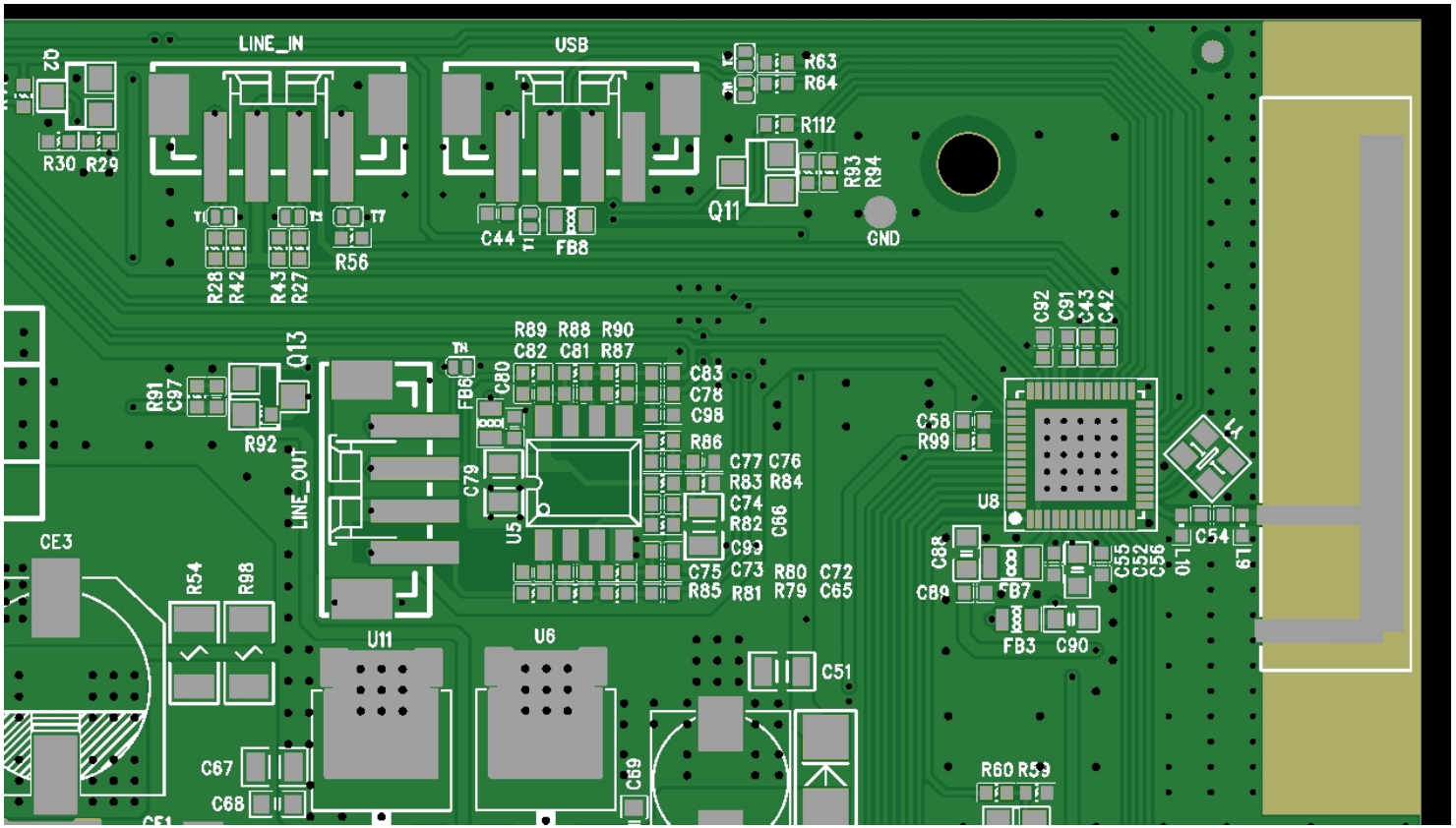
- 频率：300 kHz至8.5GHz

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

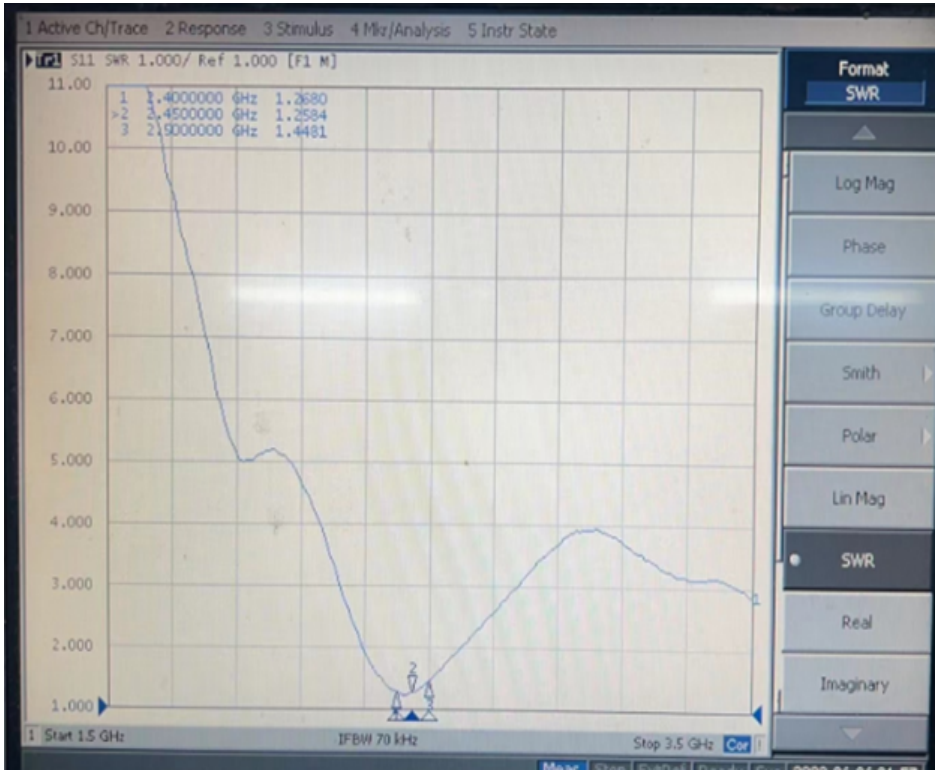
蓝牙天线

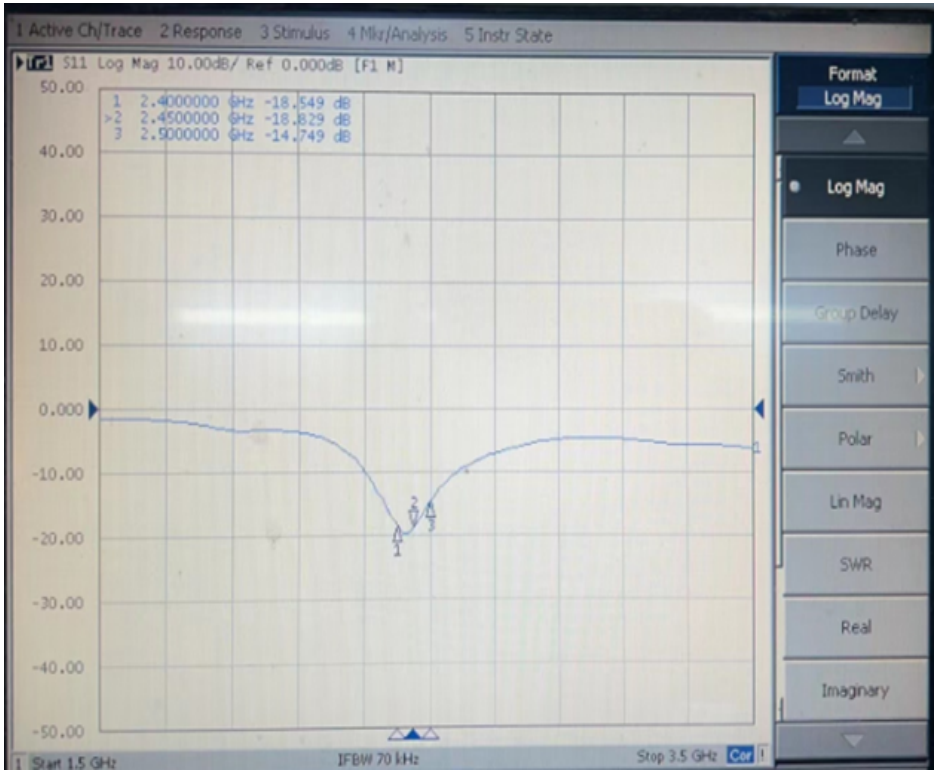


天线驻波比
Antenna SWR

蓝牙天线

天线回波损耗
Antenna Return loss





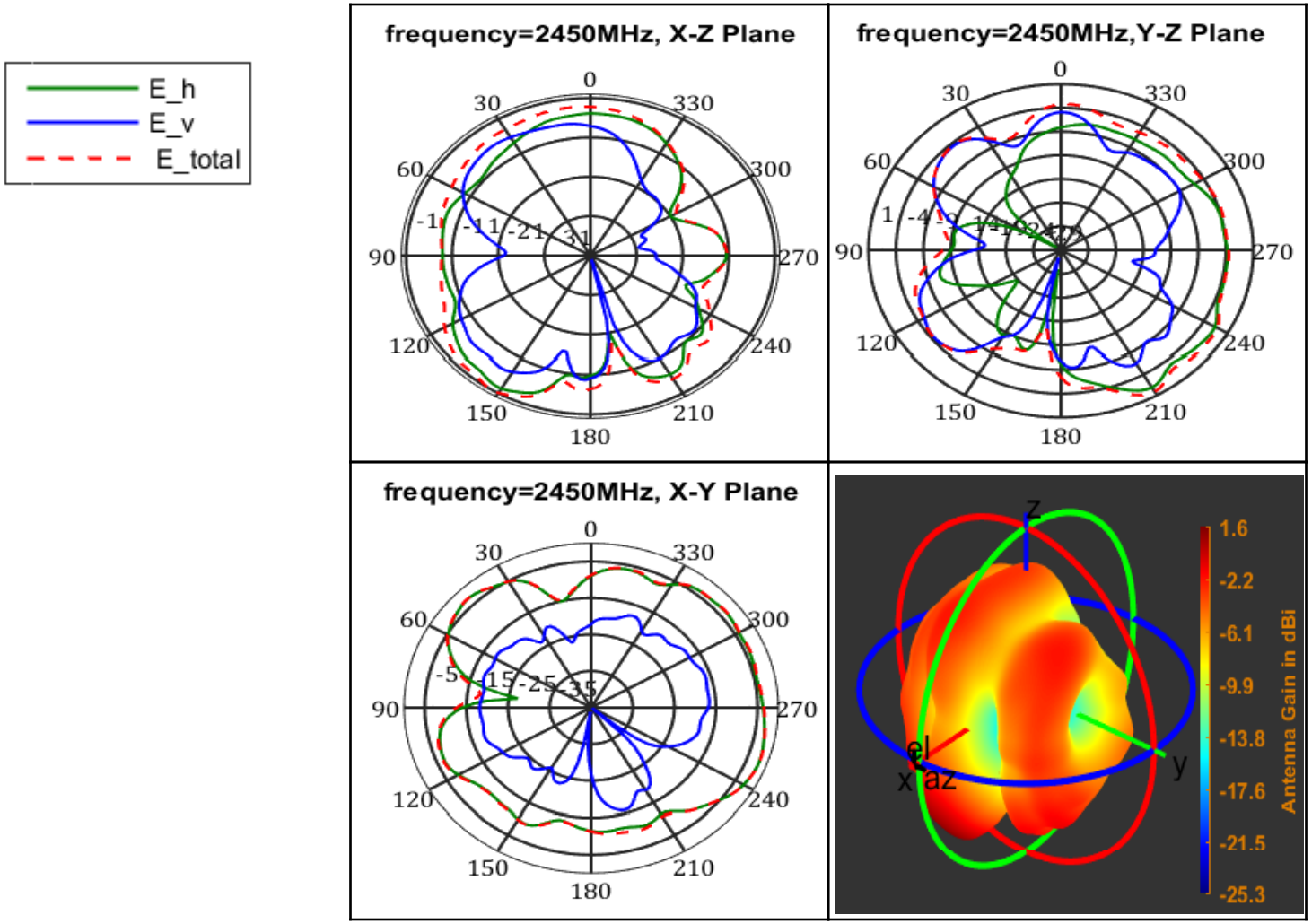
天线增益与效率
Antenna gain and efficiency

蓝牙天线

天线		
Freq(MHz)	Efficiency (%)	Gian(dBi)
2400	29.44	1.17
2410	30.01	1.21
2420	32.22	1.28
2430	33.07	1.39
2440	33.69	1.51
2450	34.85	1.62
2460	33.91	1.56
2470	33.25	1.49
2480	32.75	1.38
2490	31.72	1.24
2500	31.29	1.21

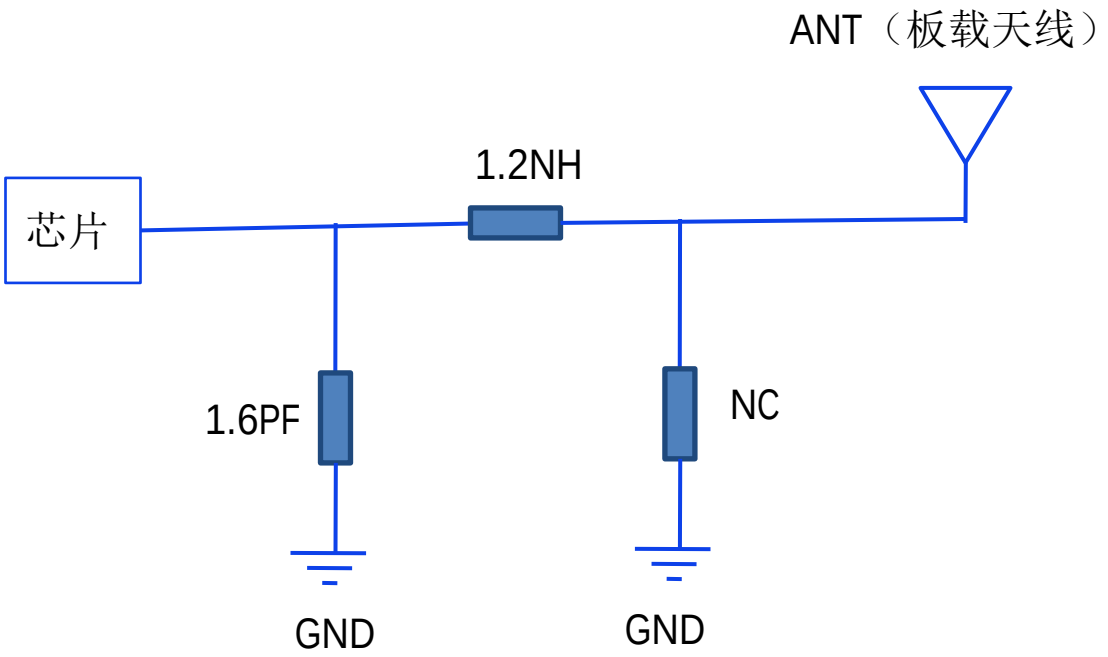
天线辐射方向图
Antenna Radiation Pattern

蓝牙天线



天线匹配参数

蓝牙天线



Thanks for your support!
感谢您的支持！

深圳市宝安区西乡固戍恒南一路C栋303
TEL:(86)755-23035723. FAX:0755-23036702
E-mail:ant001@fmant.cn
ADD: 303， building C,GUSHU Hengnan Road,Xixiang,Baoan district Shenzhen