

专业天线服务商

深圳市飞敏科技有限公司

SHENZHEN FEIMIN TECHNOLOGY CO.,LTD.



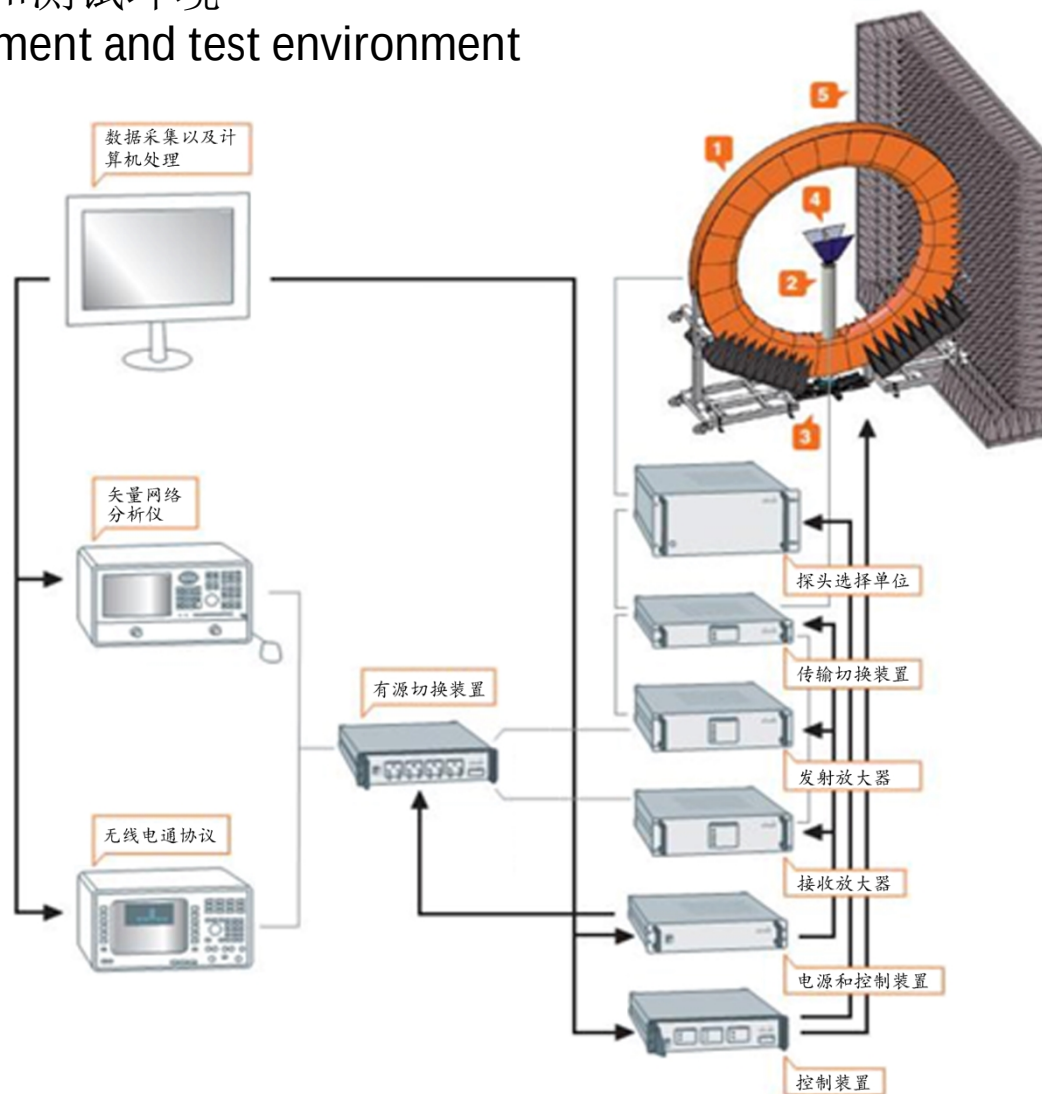
天线测试报告

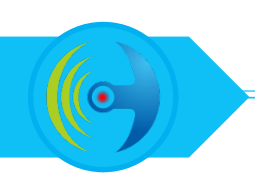
Antenna test report

项目型号	SM06无源测试
天线型号	
测 试	许高富
审 核	朱记飞
日 期	2025-4-2

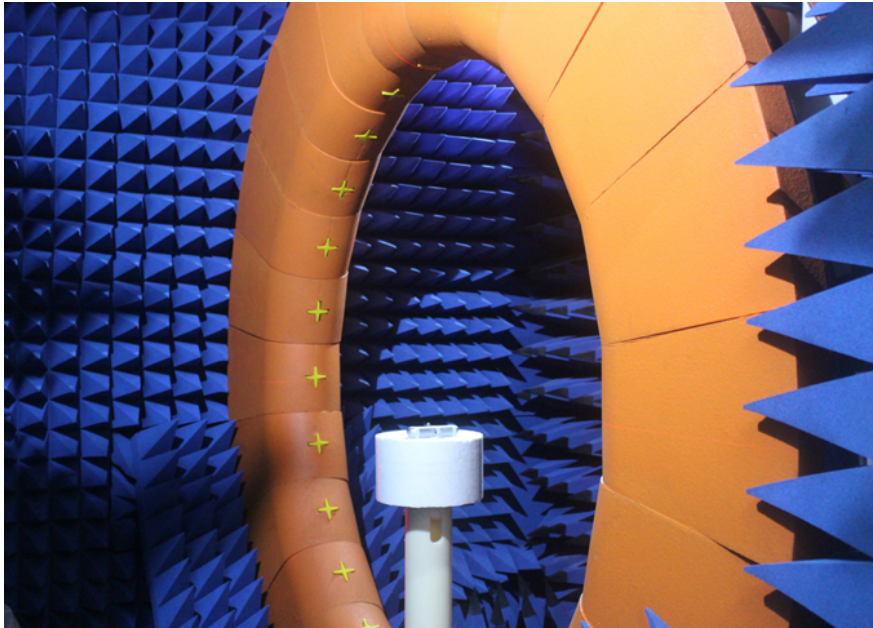


测试设备和测试环境 Test equipment and test environment





测试设备 Test equipment



探头微波暗室

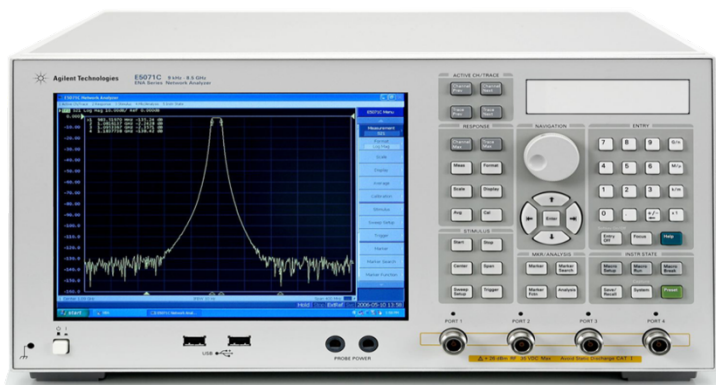
➤ 频率：0.4GHz至6GHz

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



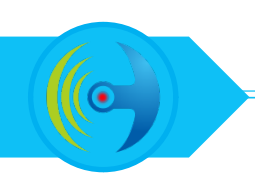
Agilent E5071C矢量网络分析仪

- 频率：300 kHz至8.5GHz



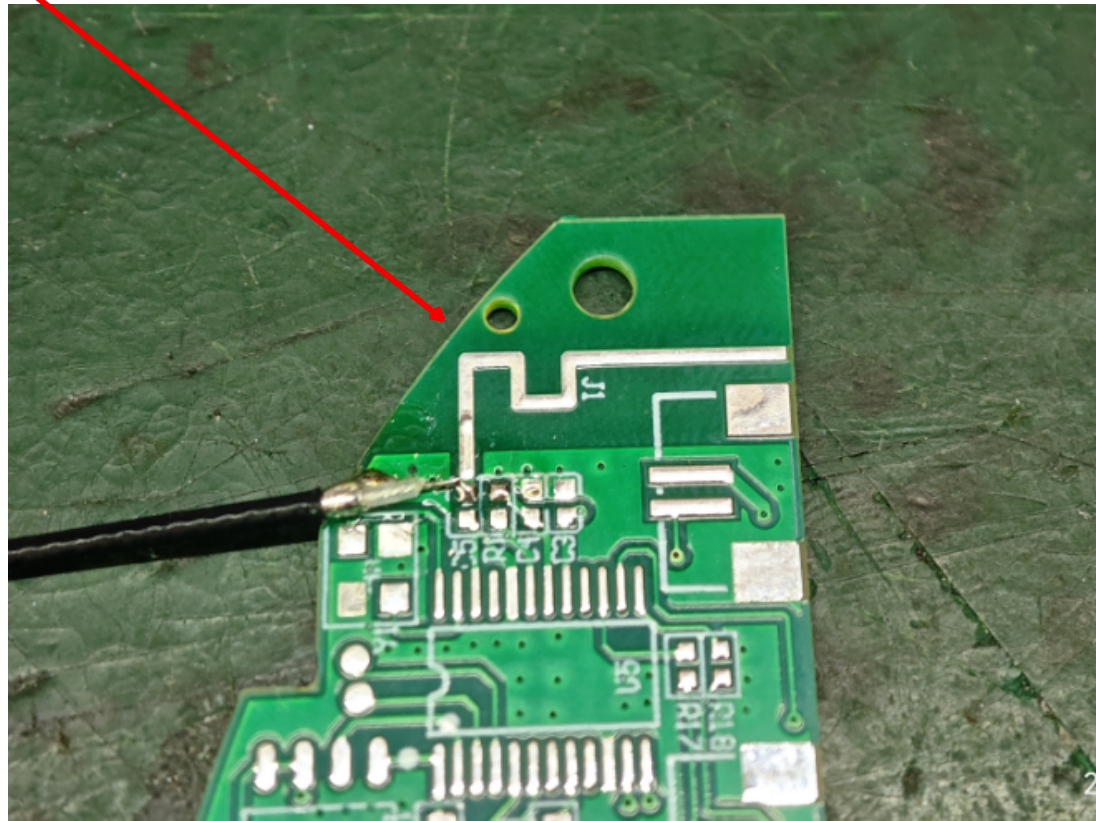
R&S CMW500 宽带无线通信测试仪

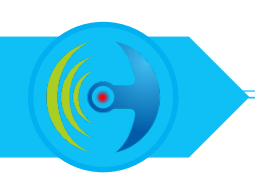
- GSM/3G/4G
- WIFI/ Bluetooth
- NB-IoT



天线安装位置
Passive antenna data

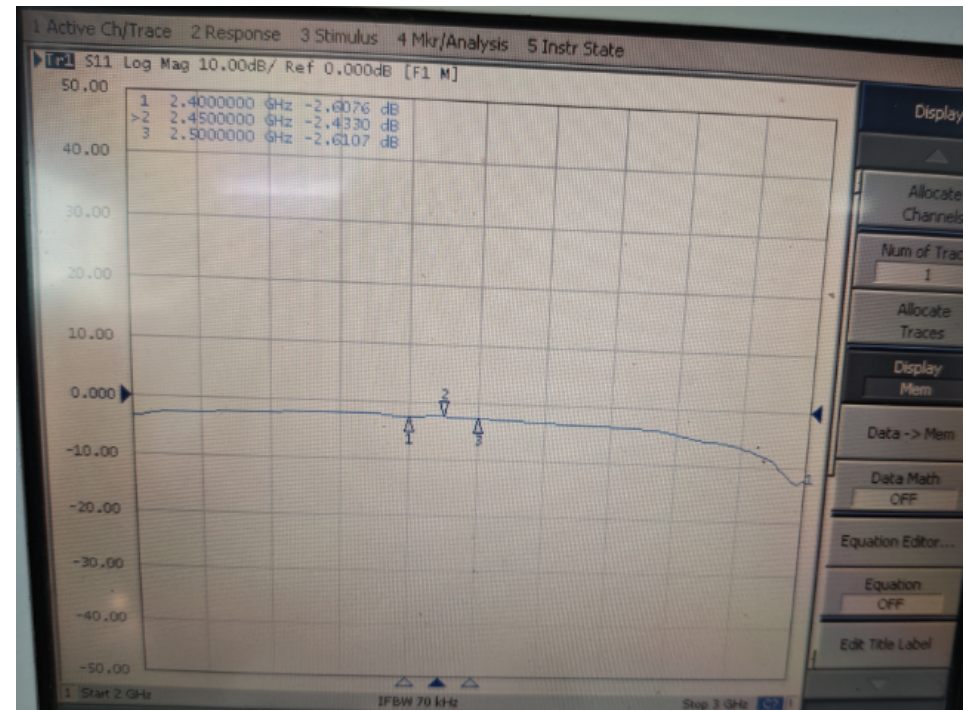
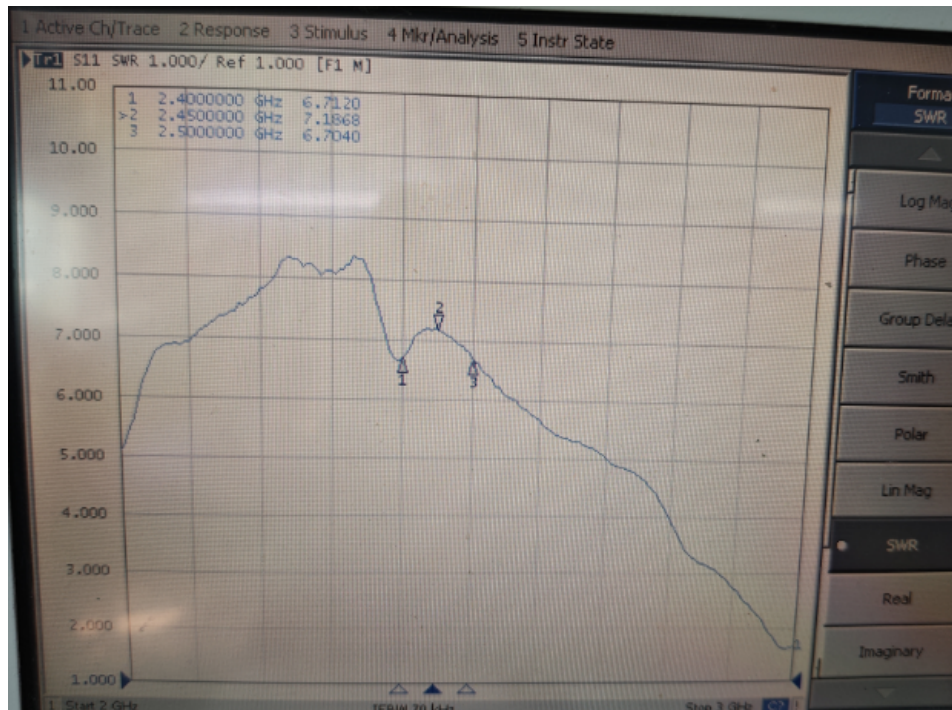
天线安装位置及方式





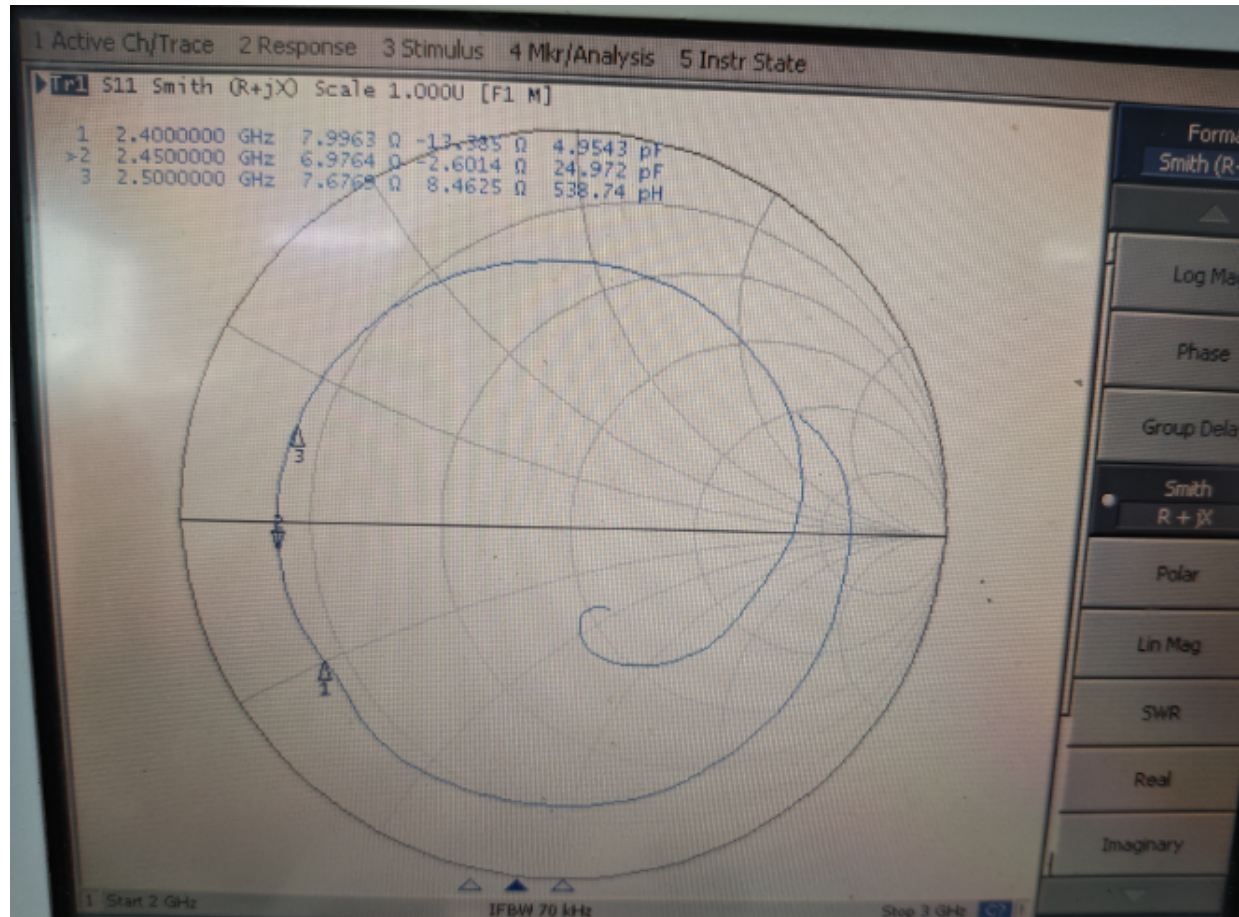
天线驻波比
Antenna SWR

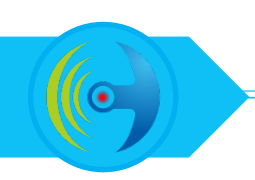
天线回波损耗
Antenna Return loss





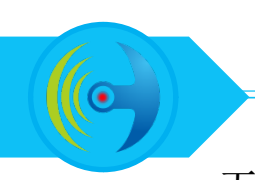
史密斯圆图
Smith



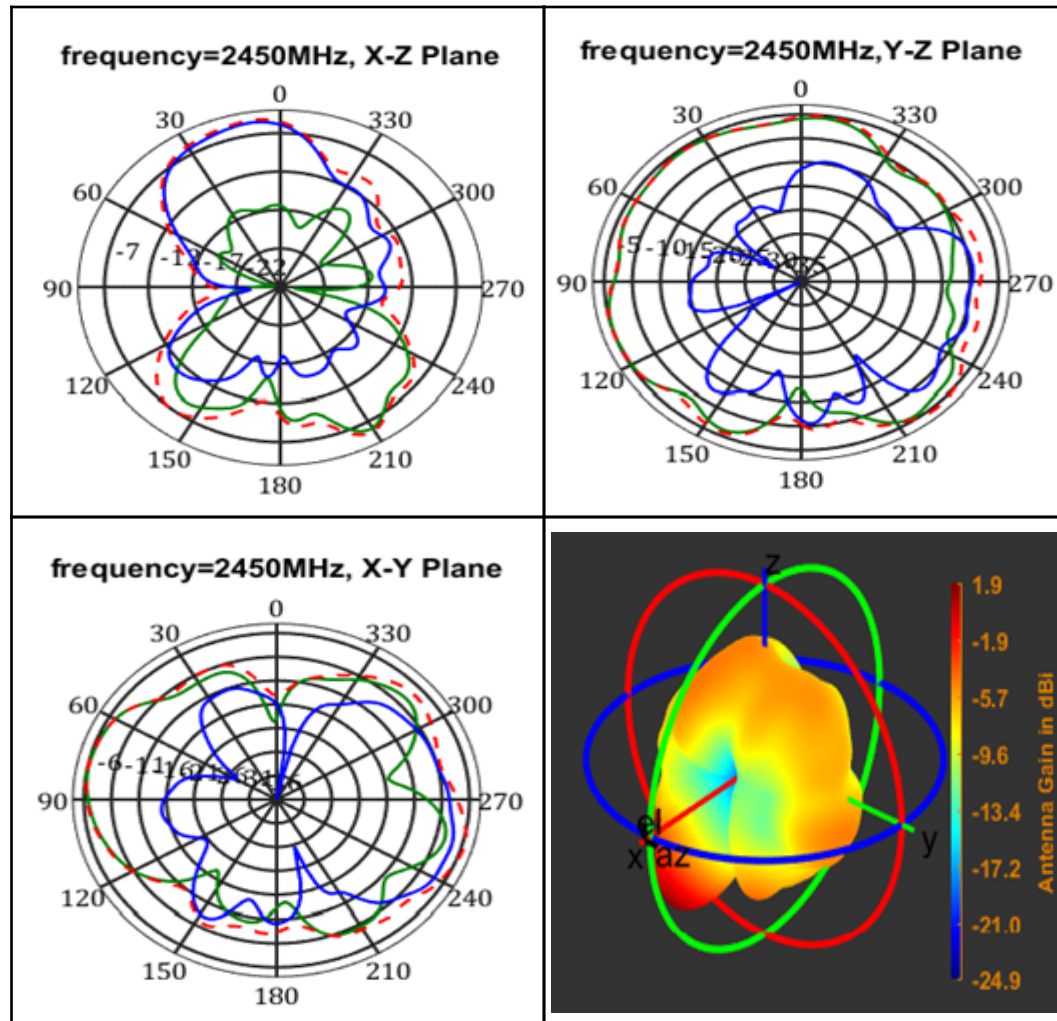
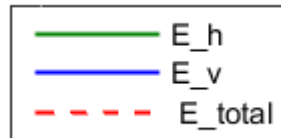


天线增益与效率
Antenna gain and efficiency

无源		
Freq(MHz)	Efficiency (%)	Gian(dBi)
2400	12. 16	0. 33
2410	12. 63	0. 46
2420	13. 54	0. 95
2430	15. 23	1. 42
2440	17. 04	1. 80
2450	17. 71	1. 91
2460	18. 62	2. 23
2470	18. 38	2. 18
2480	18. 54	2. 23
2490	19. 26	2. 56
2500	20. 29	2. 97



天线辐射方向图 Antenna Radiation Pattern



Thanks for your support!
感谢您的支持！

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