

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

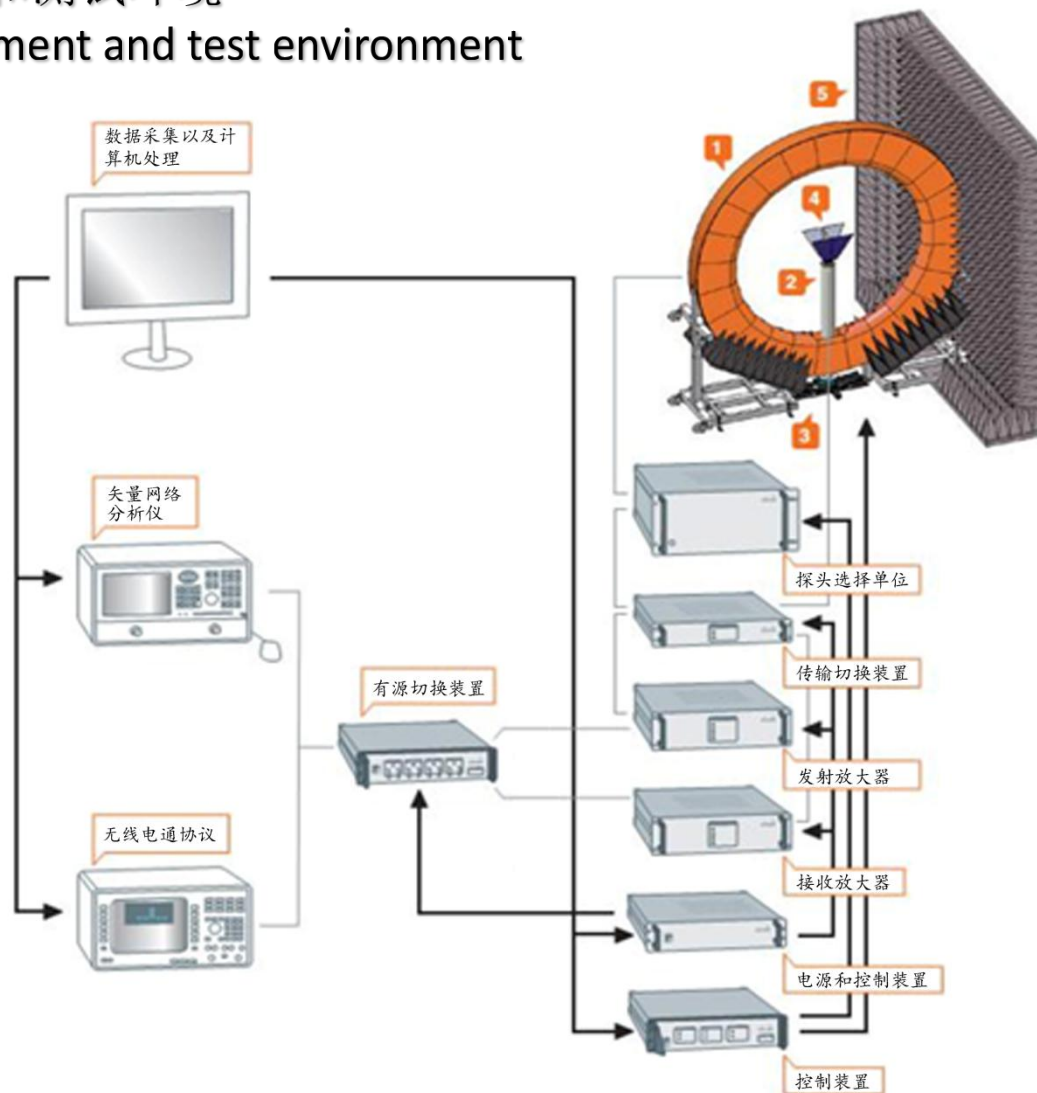
Antenna test report

项目型号	ESP1
天线型号	FM-S2362-ST
测 试	许高富
审 核	杨权生
日 期	2025-12-8



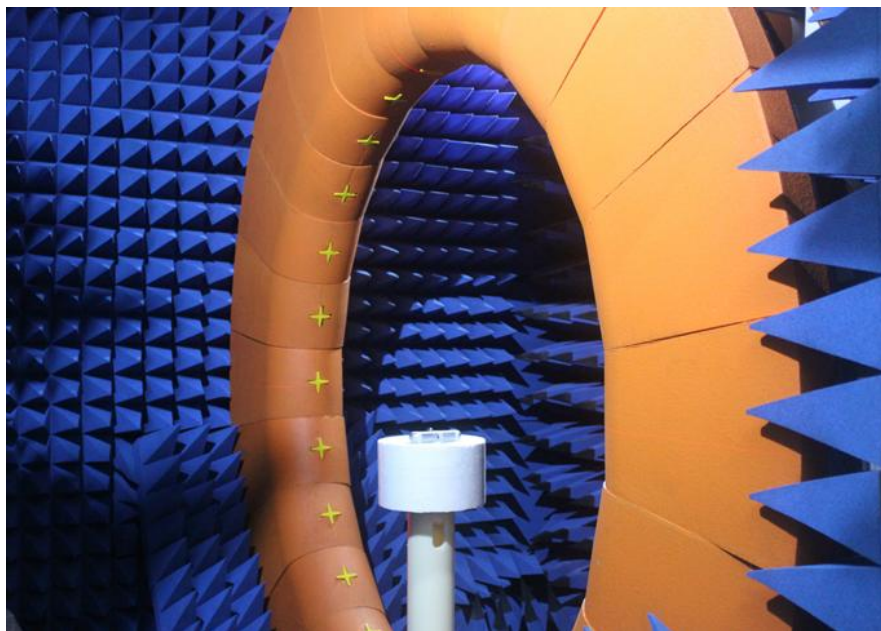
测试设备和测试环境

Test equipment and test environment





测试设备 Test equipment



探头微波暗室

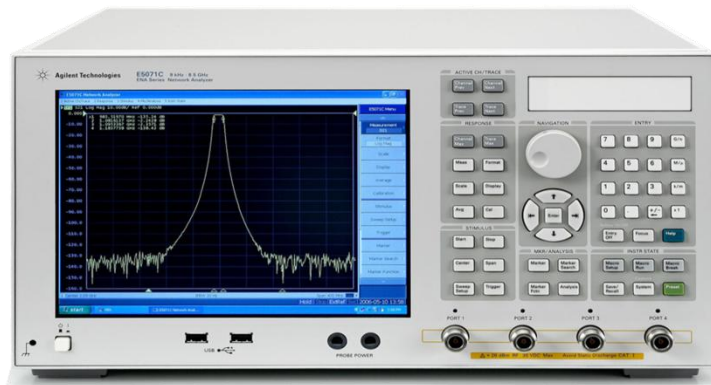
➤ 频率：0.4GHz至6GHz

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

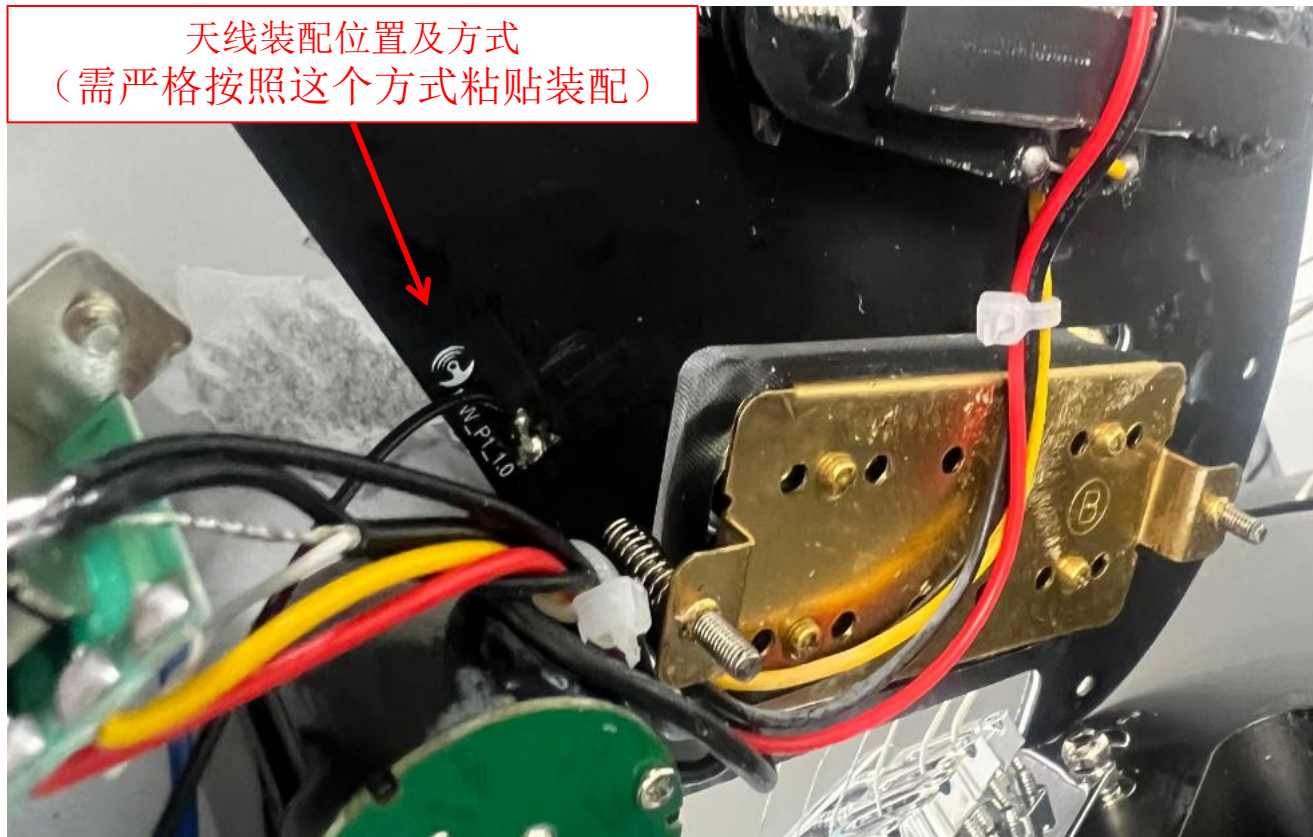
- GSM/3G/4G
- WIFI/ Bluetooth
- NB-IoT



天线安装位置

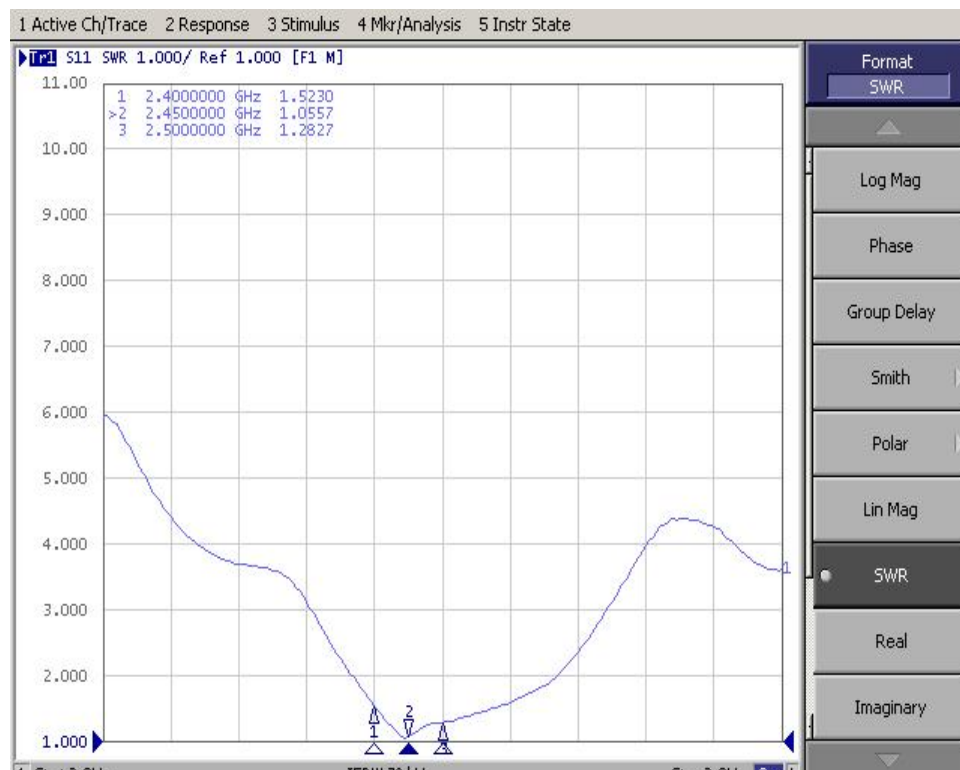
Passive antenna data

天线装配位置及方式
(需严格按照这个方式粘贴装配)

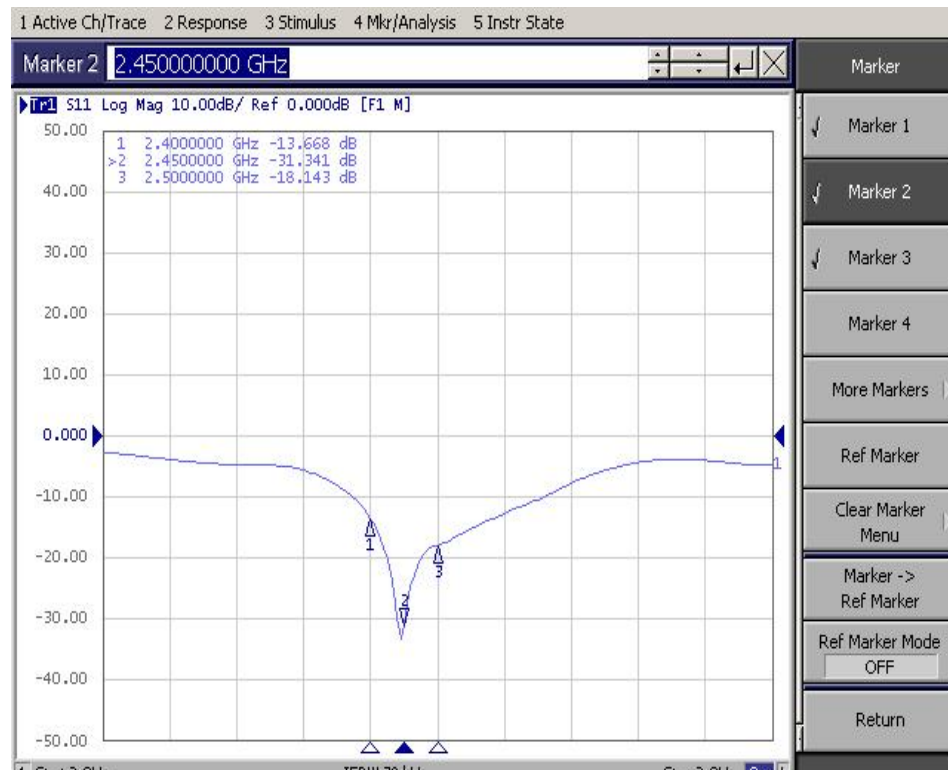


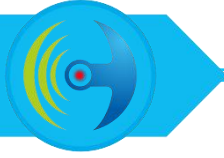


天线驻波比 Antenna SWR



天线回波损耗 Antenna Return loss





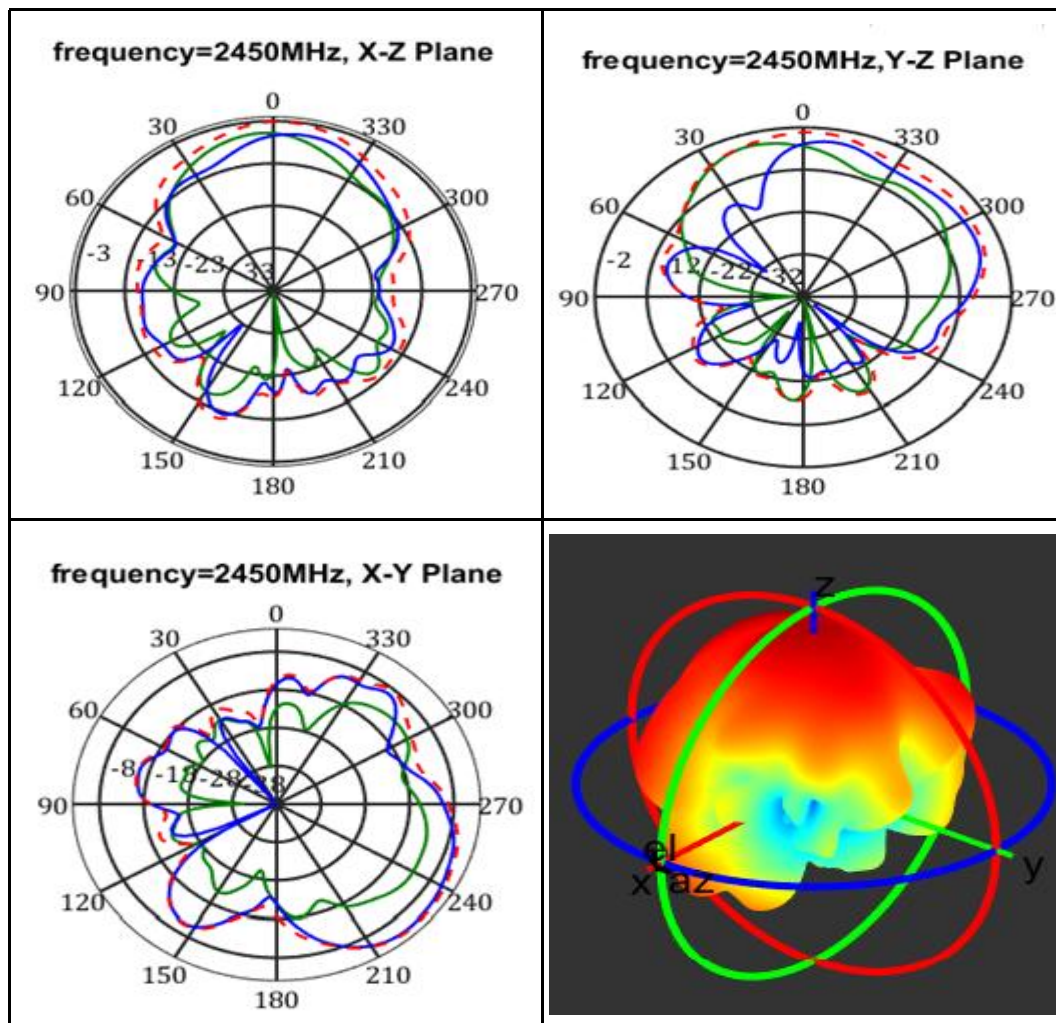
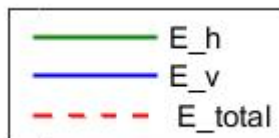
天线增益与效率
Antenna gain and efficiency

Freq(MHz)	Efficiency (%)	Gain(dBi)
2400	20.53	-2.17
2410	20.60	-2.19
2420	20.74	-2.13
2430	21.14	-1.96
2440	21.59	-1.69
2450	21.99	-1.49
2460	22.47	-1.26
2470	22.61	-1.14
2480	22.83	-1.06
2490	23.08	-0.94
2500	22.88	-0.96



天线辐射方向图

Antenna Radiation Pattern



Thanks for your support!
感谢您的支持!

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