

专业天线服务商

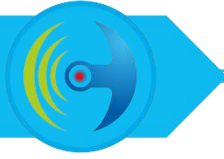
深圳市飞敏科技有限公司
SHENZHEN FEIMIN TECHNOLOGY CO.,LTD.



天线测试报告

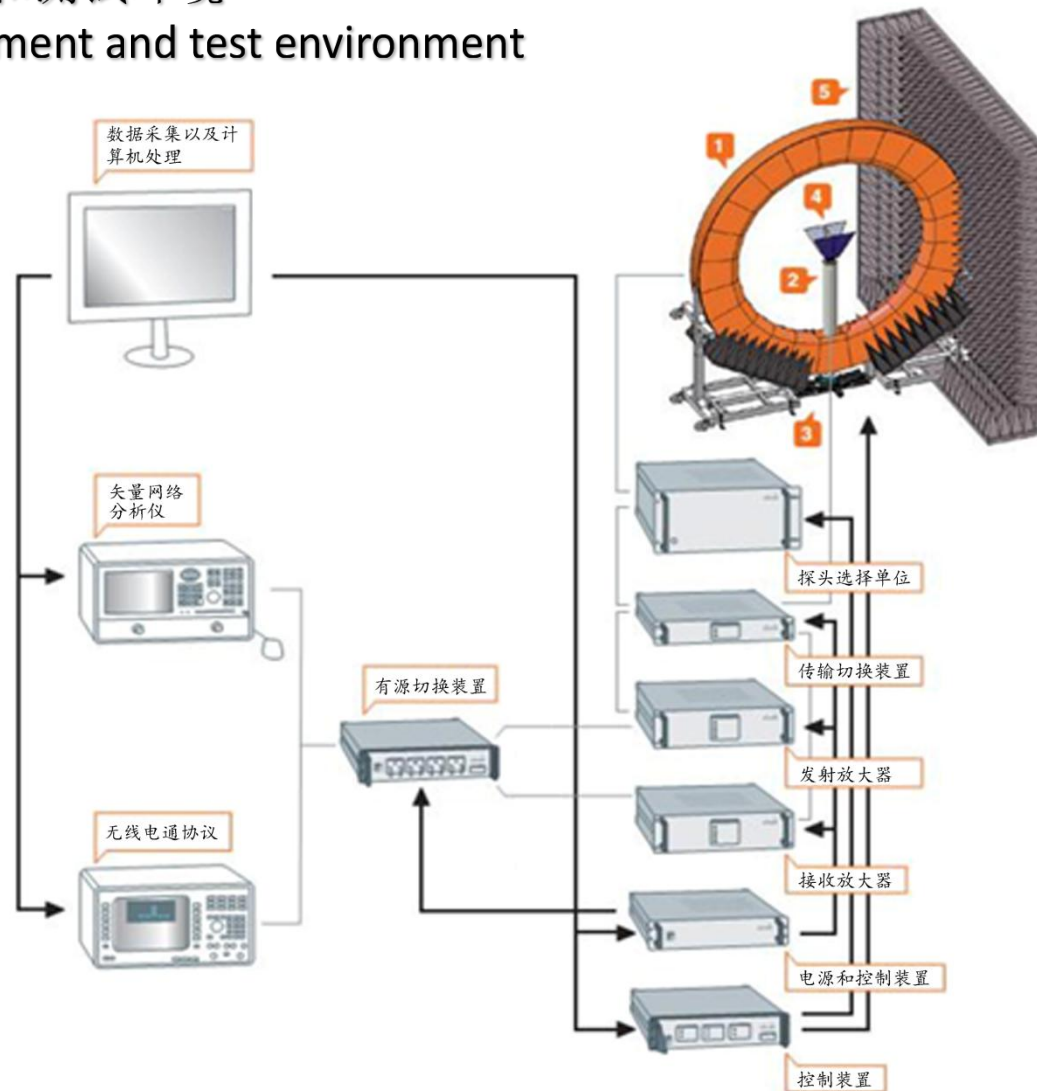
Antenna test report

项目型号	板载天线
天线型号	
测 试	许高富
审 核	夏兴喜
日 期	2025-9-28



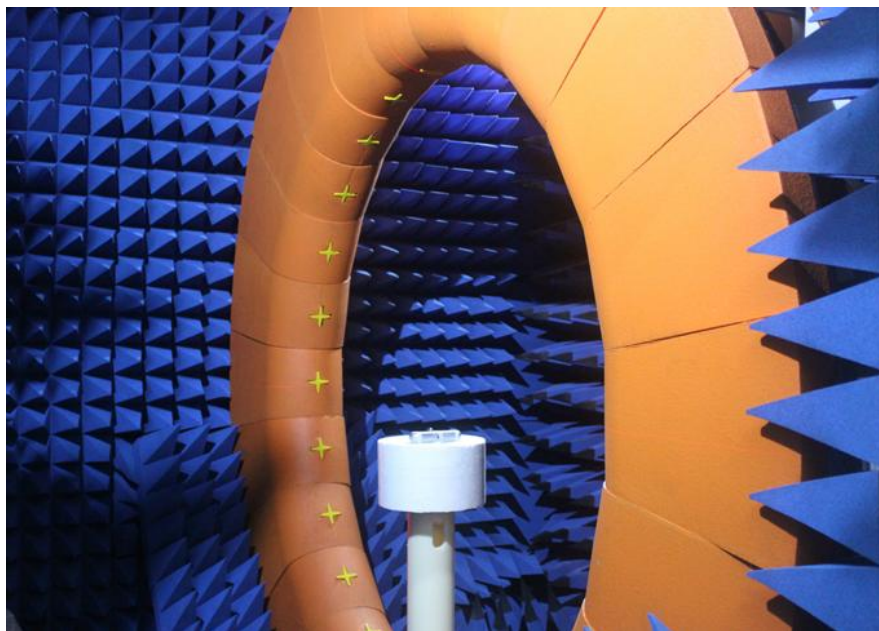
测试设备和测试环境

Test equipment and test environment





测试设备 Test equipment



探头微波暗室

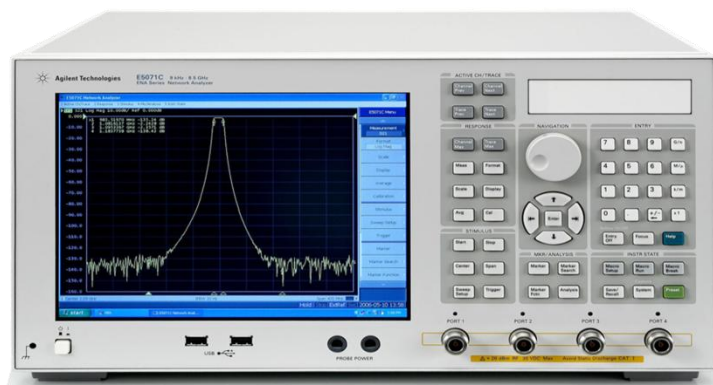
➤ 频率：0.4GHz至6GHz

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

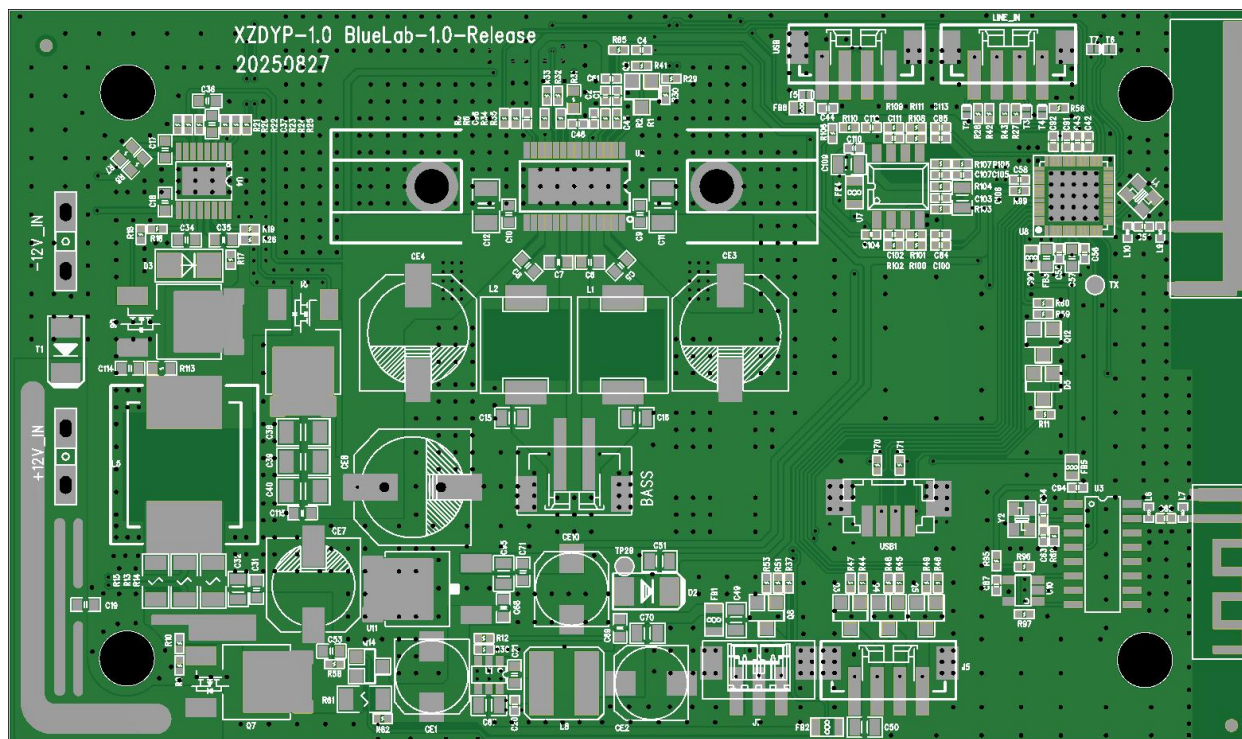
- GSM/3G/4G
- WIFI/ Bluetooth
- NB-IoT



天线安装位置

Passive antenna data

天线一装配位置及方式

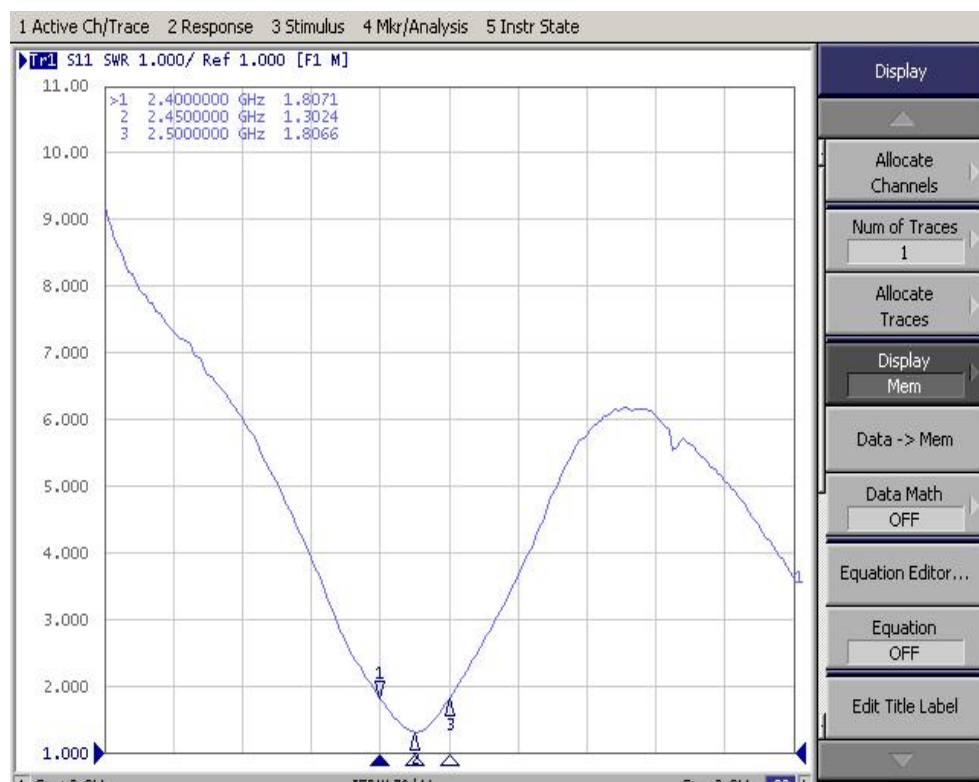


天线二装配位置及方式

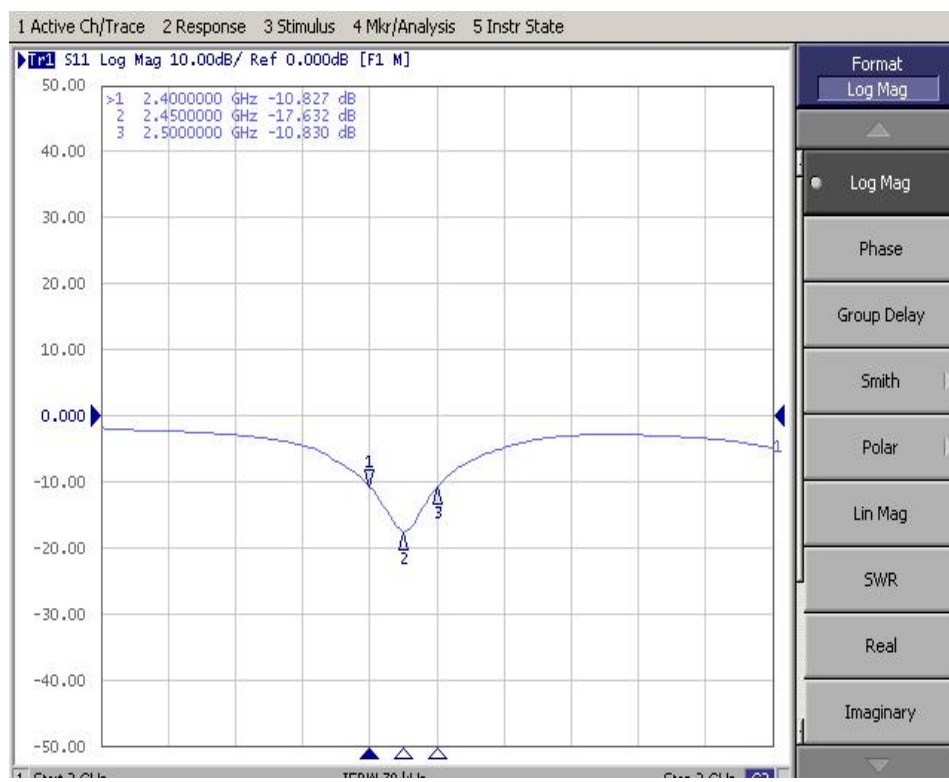


天线一

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

天线一

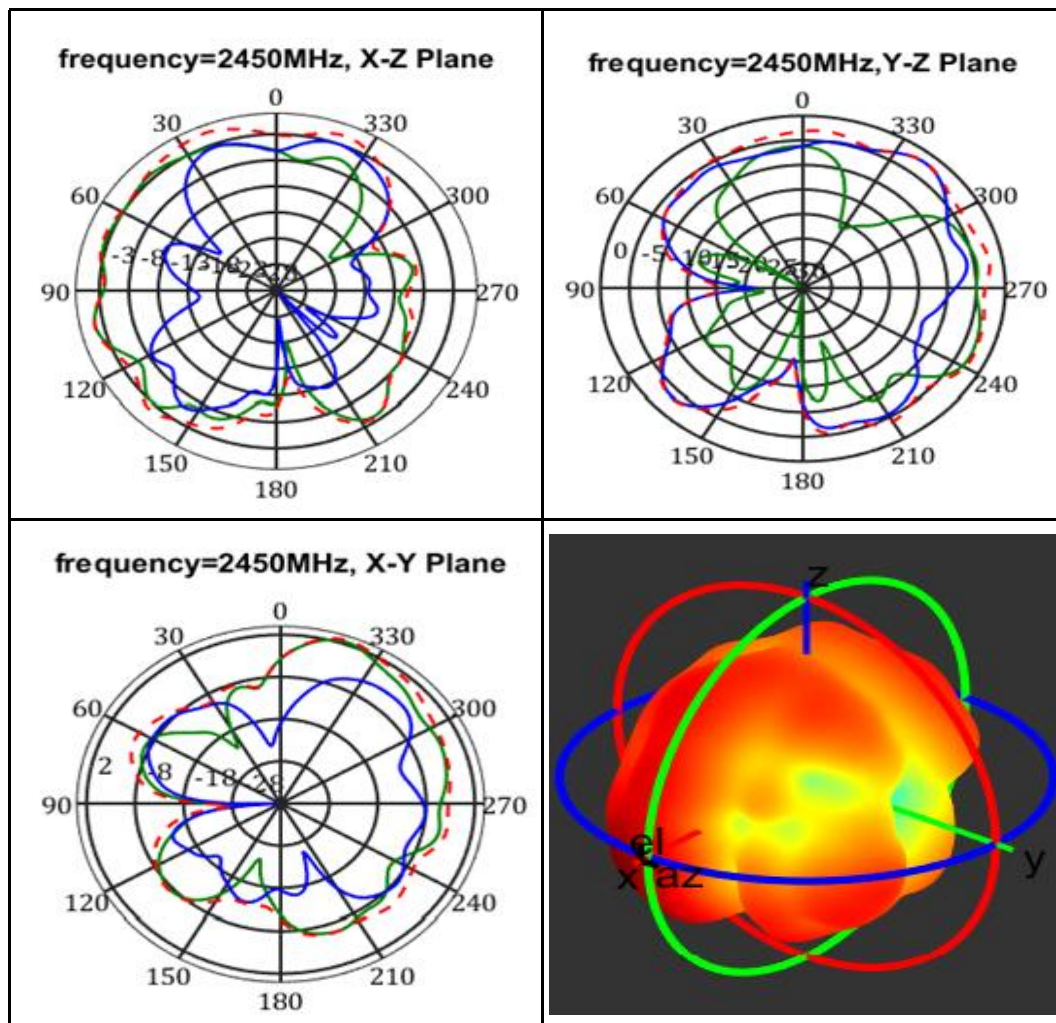
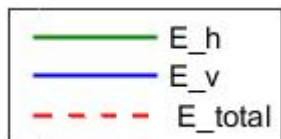
Freq(MHz)	Efficiency (%)	Gian(dBi)
2400	32.17	1.31
2410	33.90	1.47
2420	34.08	1.55
2430	35.35	1.70
2440	35.86	1.77
2450	36.47	1.68
2460	34.31	1.45
2470	33.18	1.34
2480	33.87	1.56
2490	32.24	1.33
2500	31.93	1.25



天线辐射方向图

Antenna Radiation Pattern

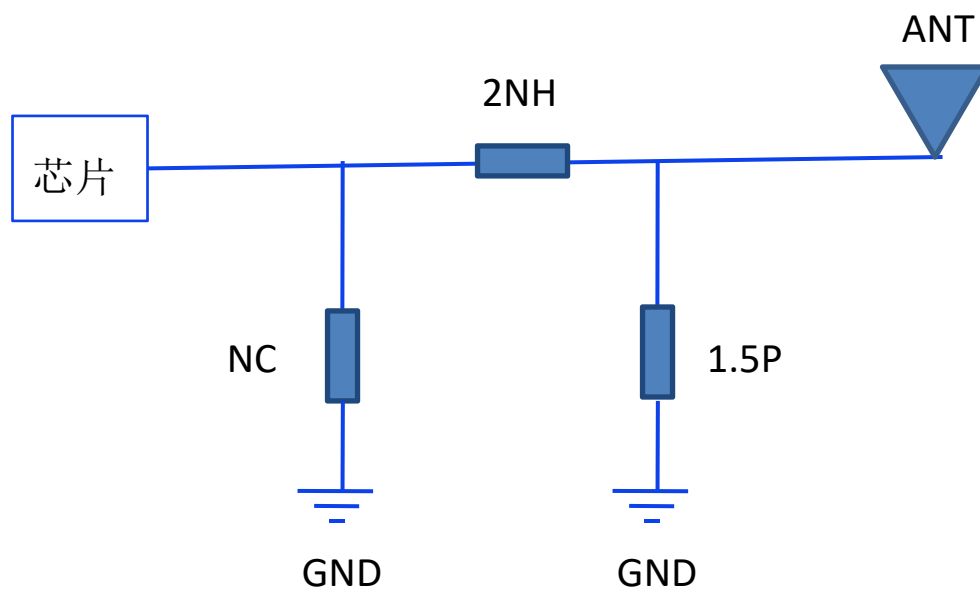
天线一





天线匹配参数

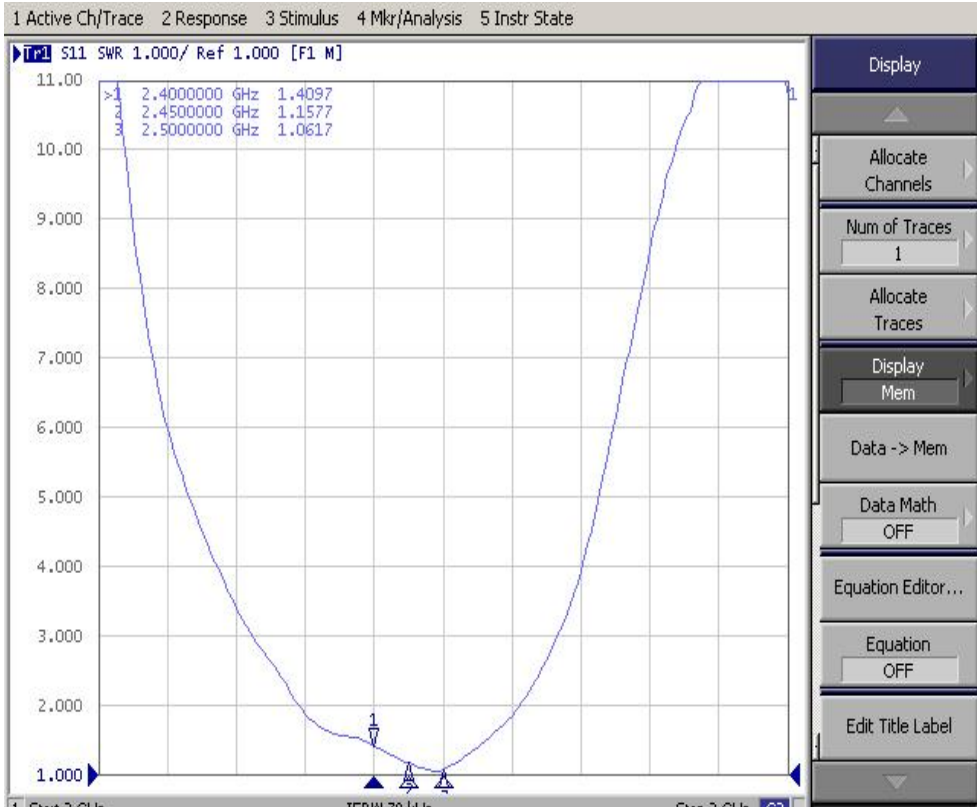
天线一



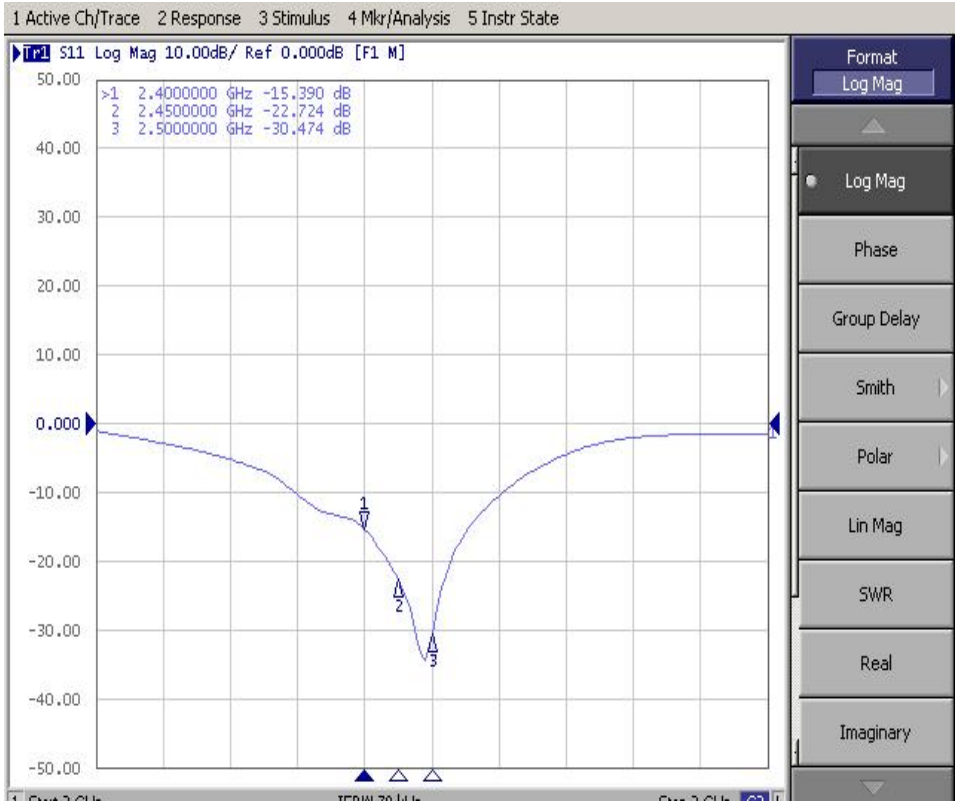


天线二

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

天线二

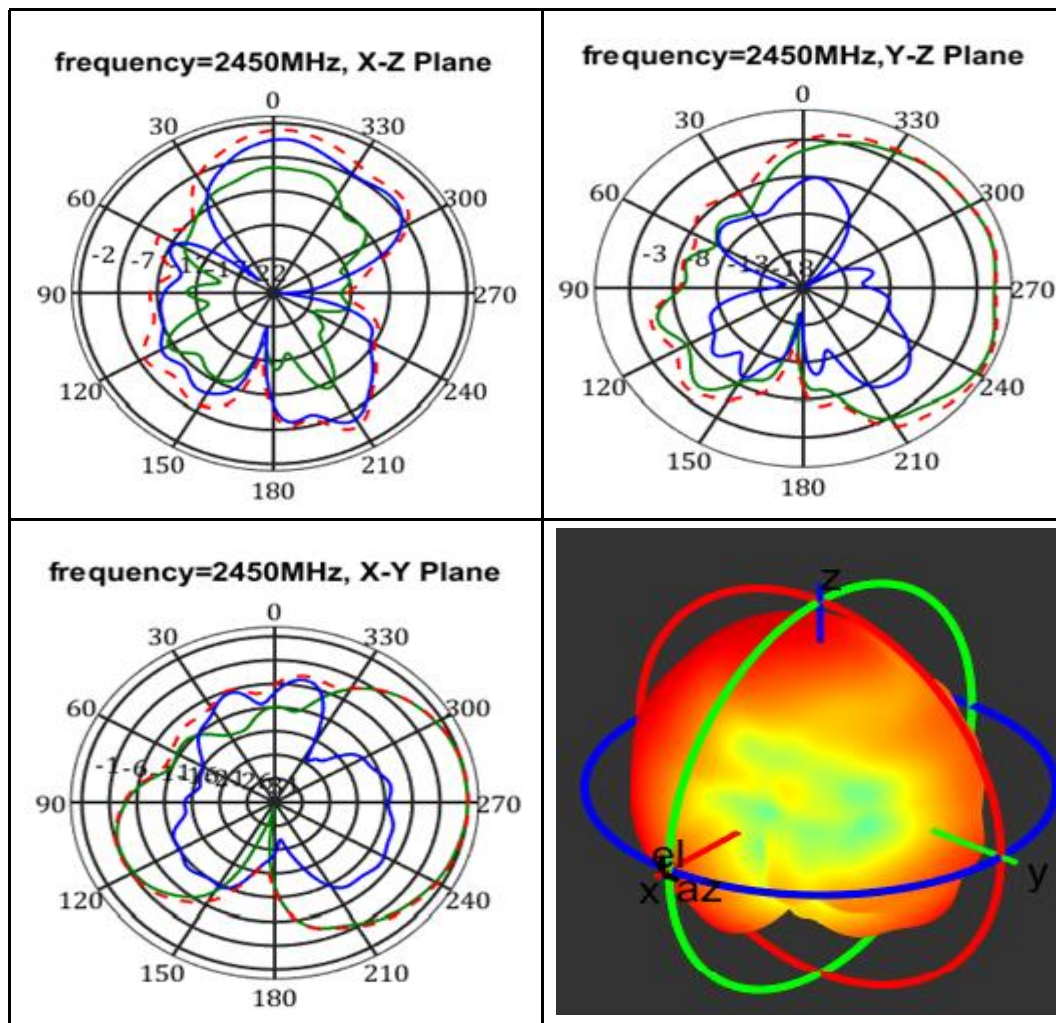
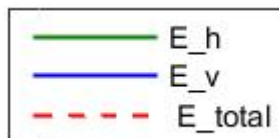
Freq(MHz)	Efficiency (%)	Gian(dBi)
2400	29.97	1.09
2410	31.56	1.14
2420	32.11	1.28
2430	33.09	1.36
2440	33.43	1.42
2450	34.73	1.51
2460	34.94	1.42
2470	33.55	1.35
2480	33.08	1.19
2490	32.07	1.07
2500	31.48	0.96



天线辐射方向图

Antenna Radiation Pattern

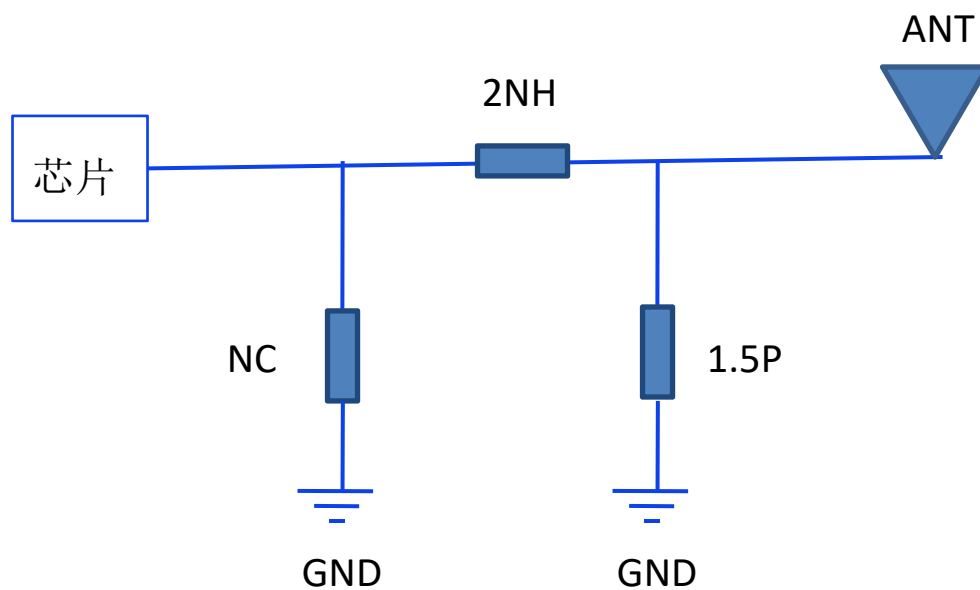
天线二





天线匹配参数

天线二



Thanks for your support!
感谢您的支持!

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