

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 D121_Main_V1.1

天线型号 _____

测 试 魏月娥

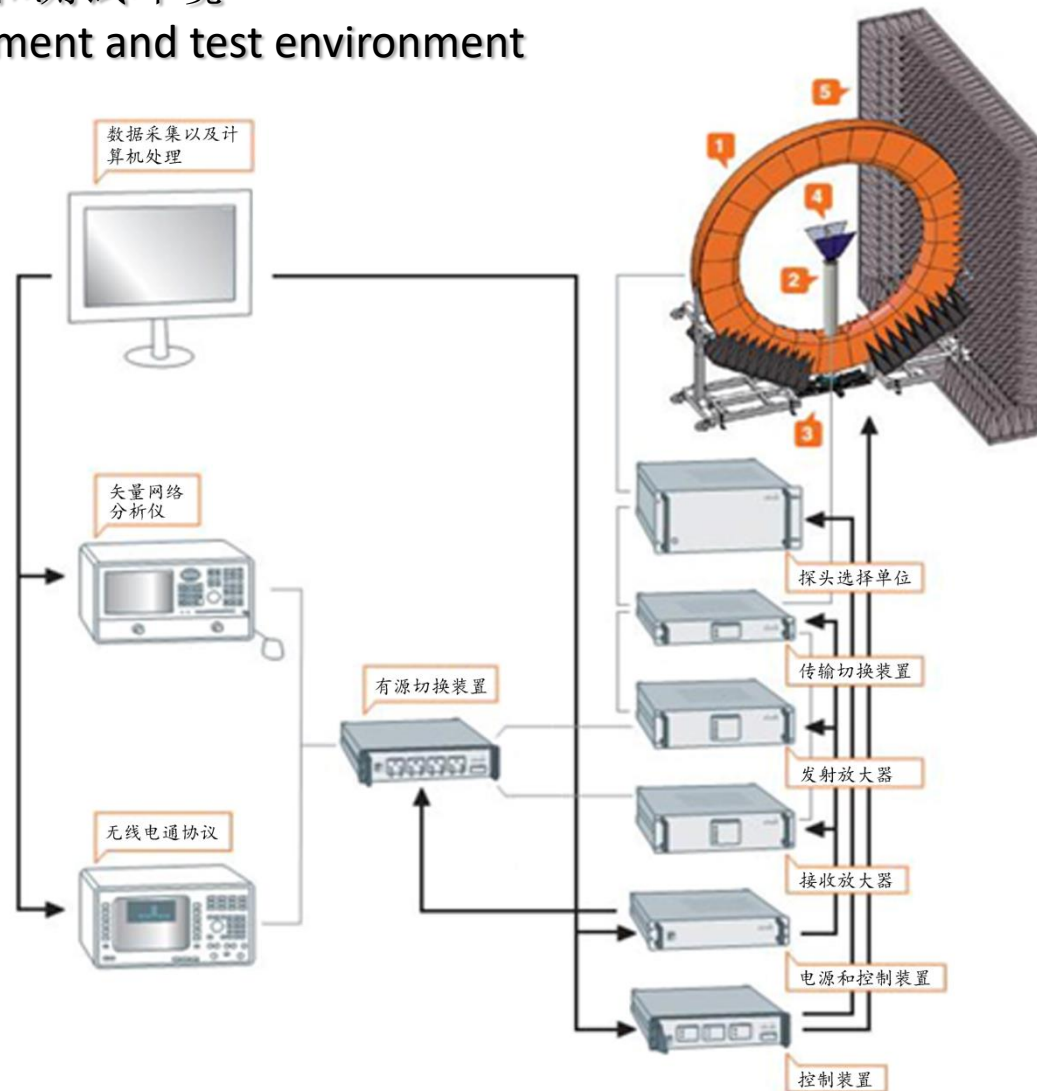
审 核 杨权生

日 期 2022-09-19



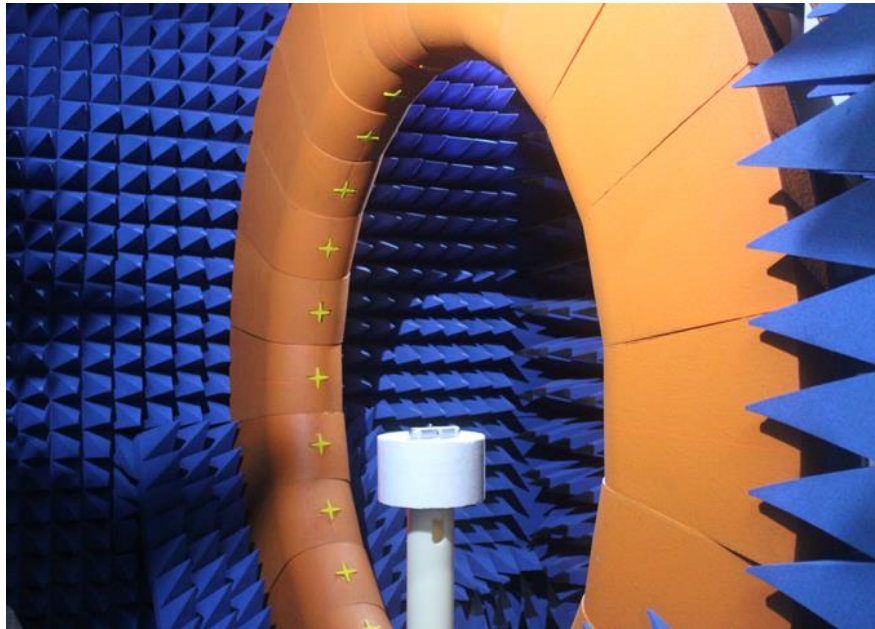
测试设备和测试环境

Test equipment and test environment





测试设备 Test equipment



探头微波暗室

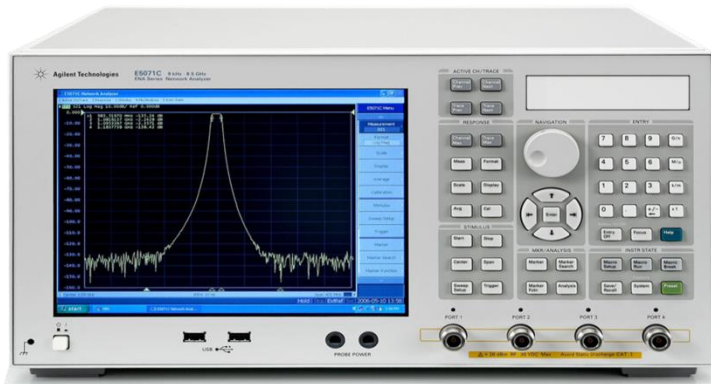
➤ 频率：0.4GHz至6GHz

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

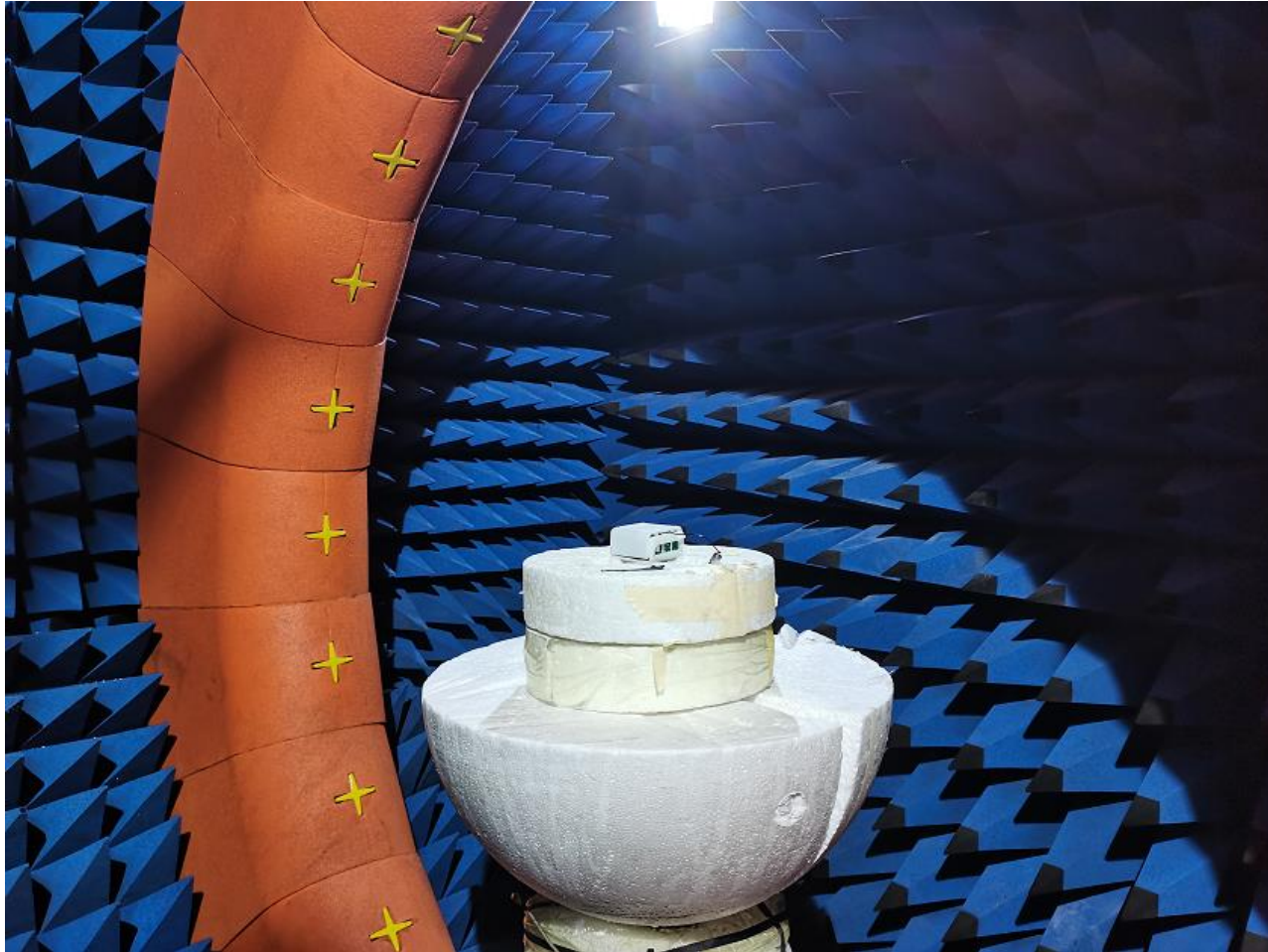


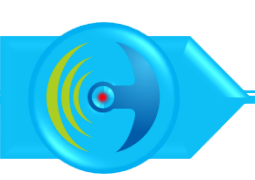
R&S CMW500 宽带无线通信测试仪

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



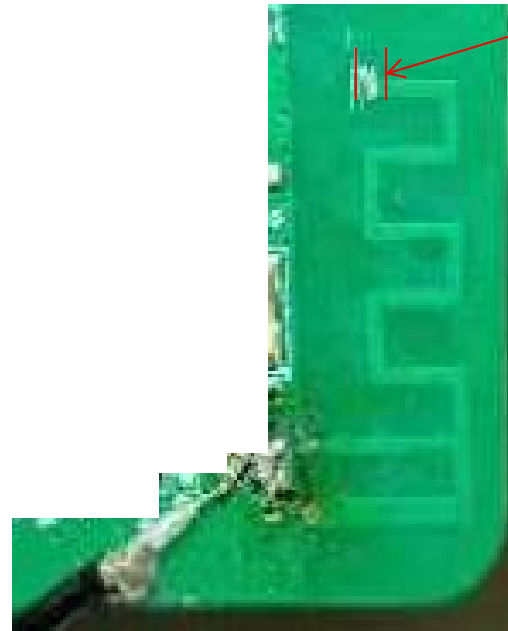
测试拍照
Test photos





天线安装位置

Passive antenna data

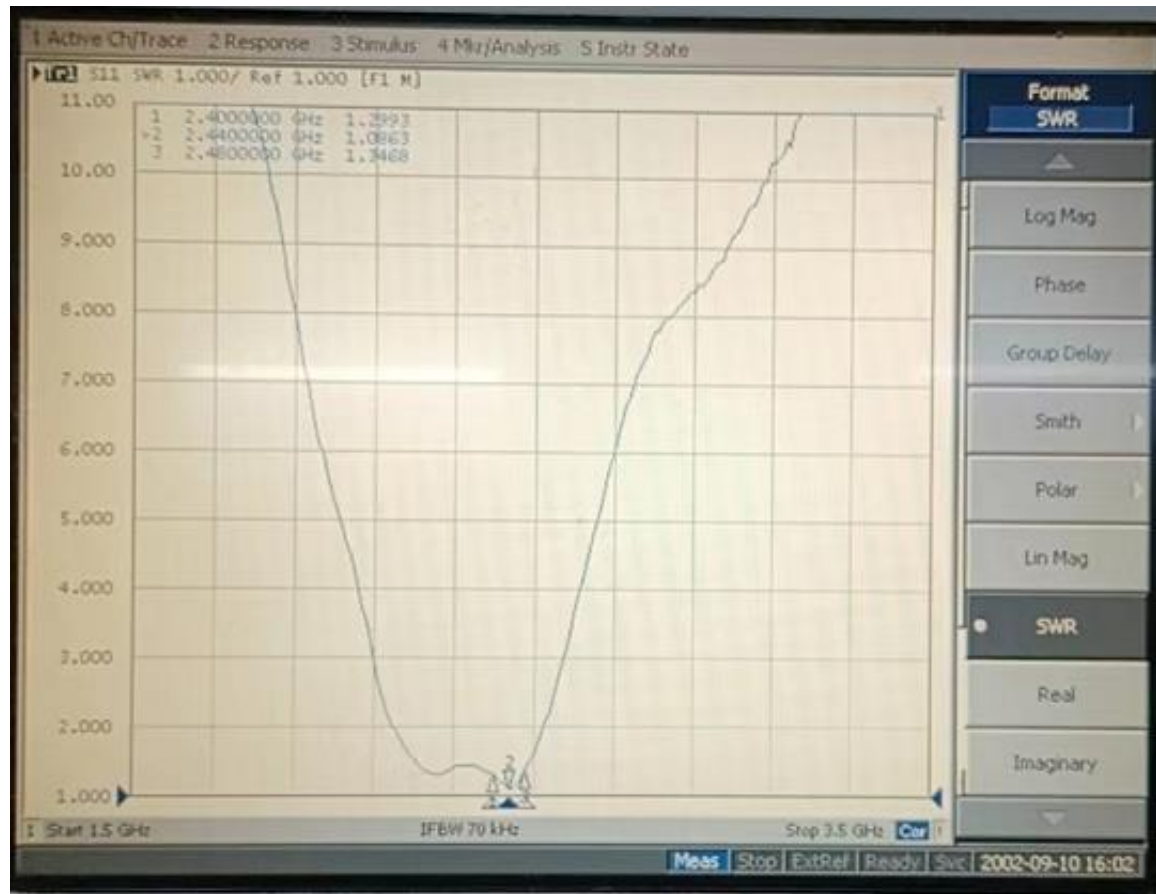


板载天线剪短0.5mm，
重新调试匹配



天线驻波比 Antenna SWR

调试后板载天线

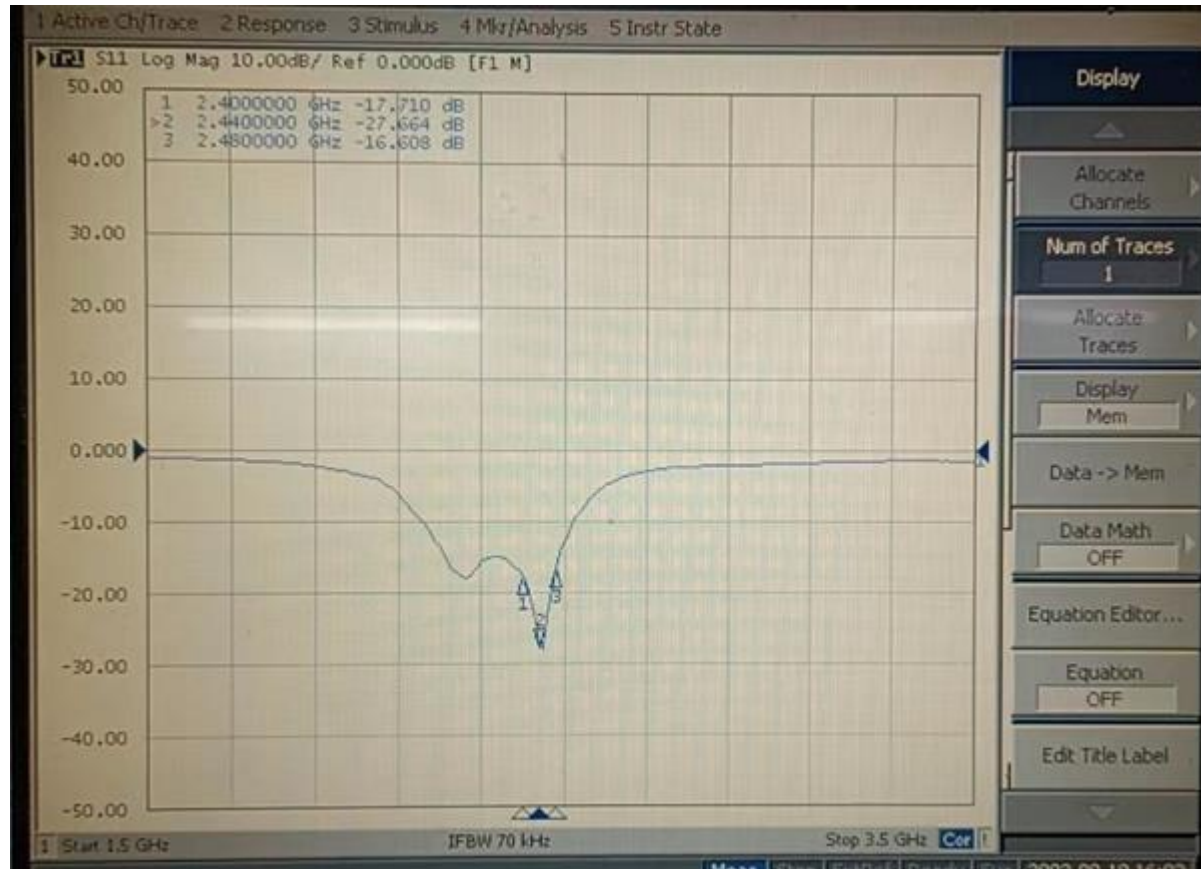




天线回波损耗

Antenna Return loss

调试后板载天线

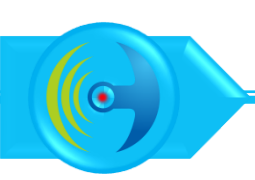




天线增益与效率
Antenna gain and efficiency

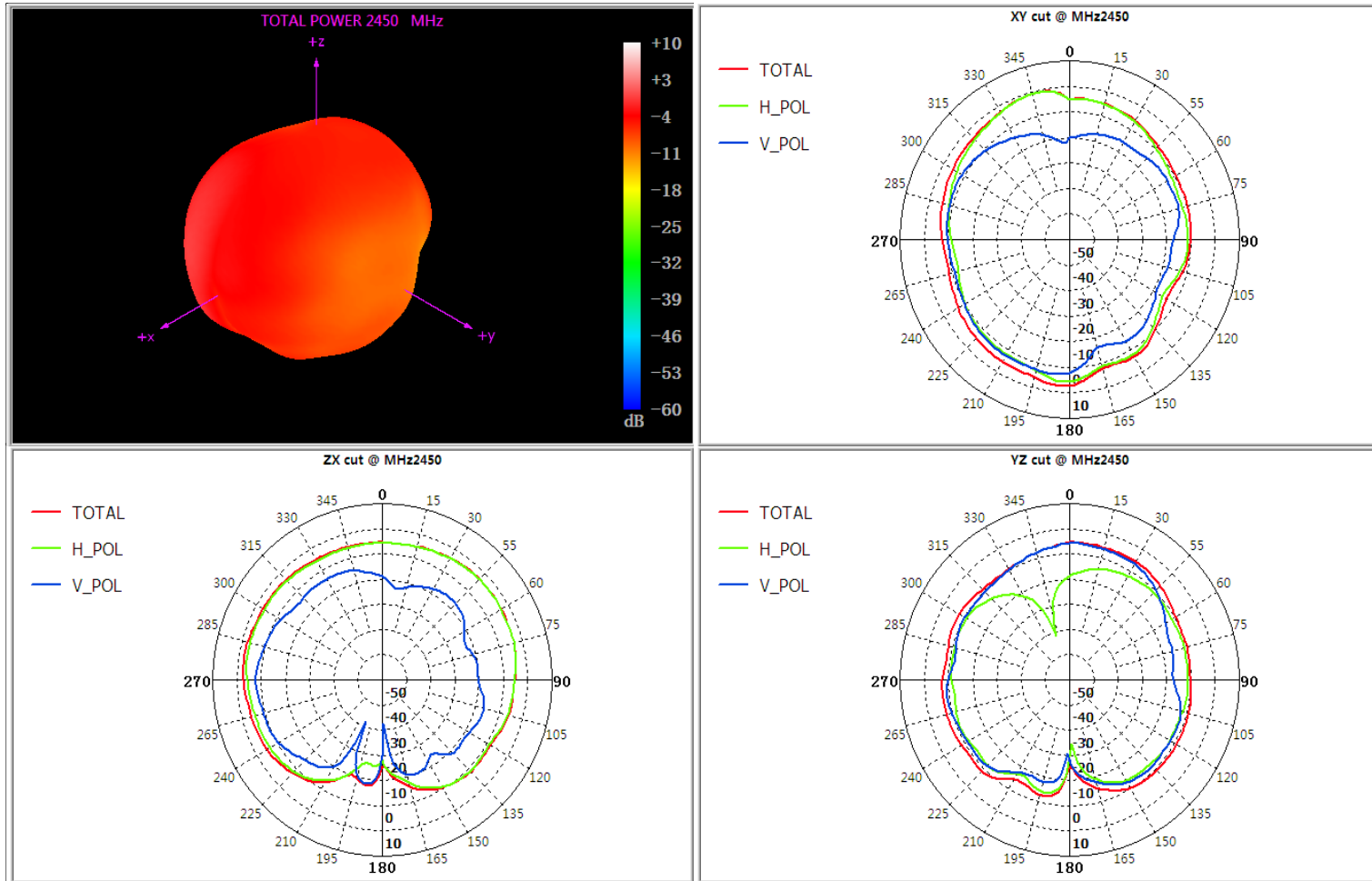
调试后板载天线

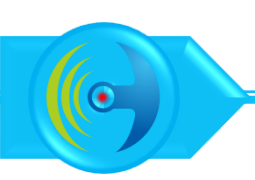
天线		
Freq(MHz)	Efficiency (%)	Gian(dBi)
2400	28.92	0.13
2410	28.22	0.15
2420	29.05	0.18
2430	29.57	0.21
2440	30.3	0.27
2450	31.27	0.38
2460	30.11	0.36
2470	29.52	0.24
2480	30.76	0.26
2490	28.65	0.17
2500	27.15	0.08



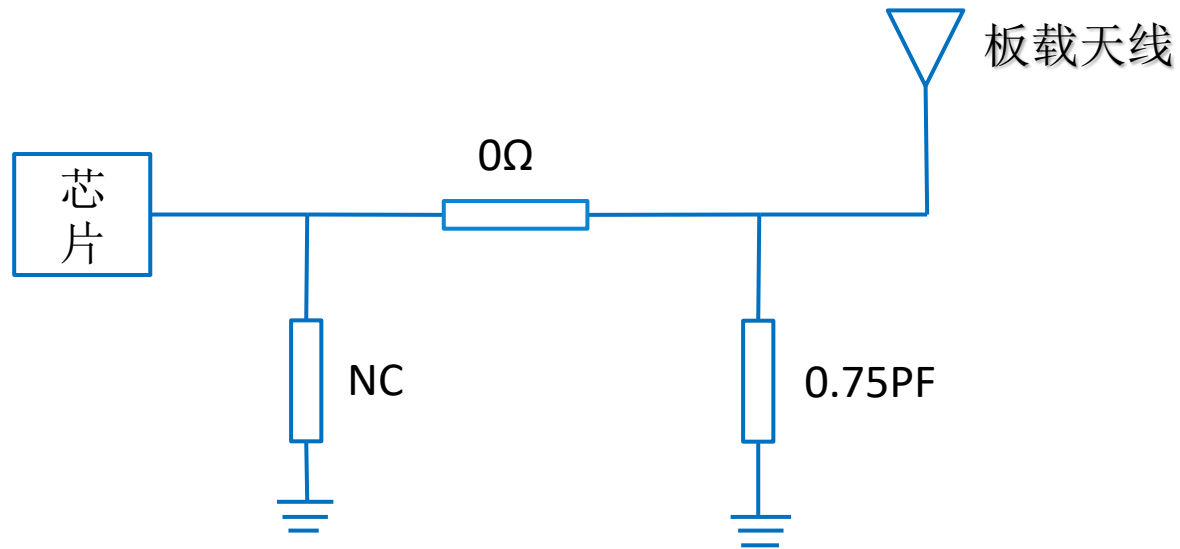
天线辐射方向图 Antenna Radiation Pattern

调试后板载天线





调试后板载天线匹配



Thanks for your support!
感谢您的支持!

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