

专业天线服务商

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



天线规格书

Antenna Specification

项目型号 _____

天线型号 _____

测 试 魏月娥
Test by _____

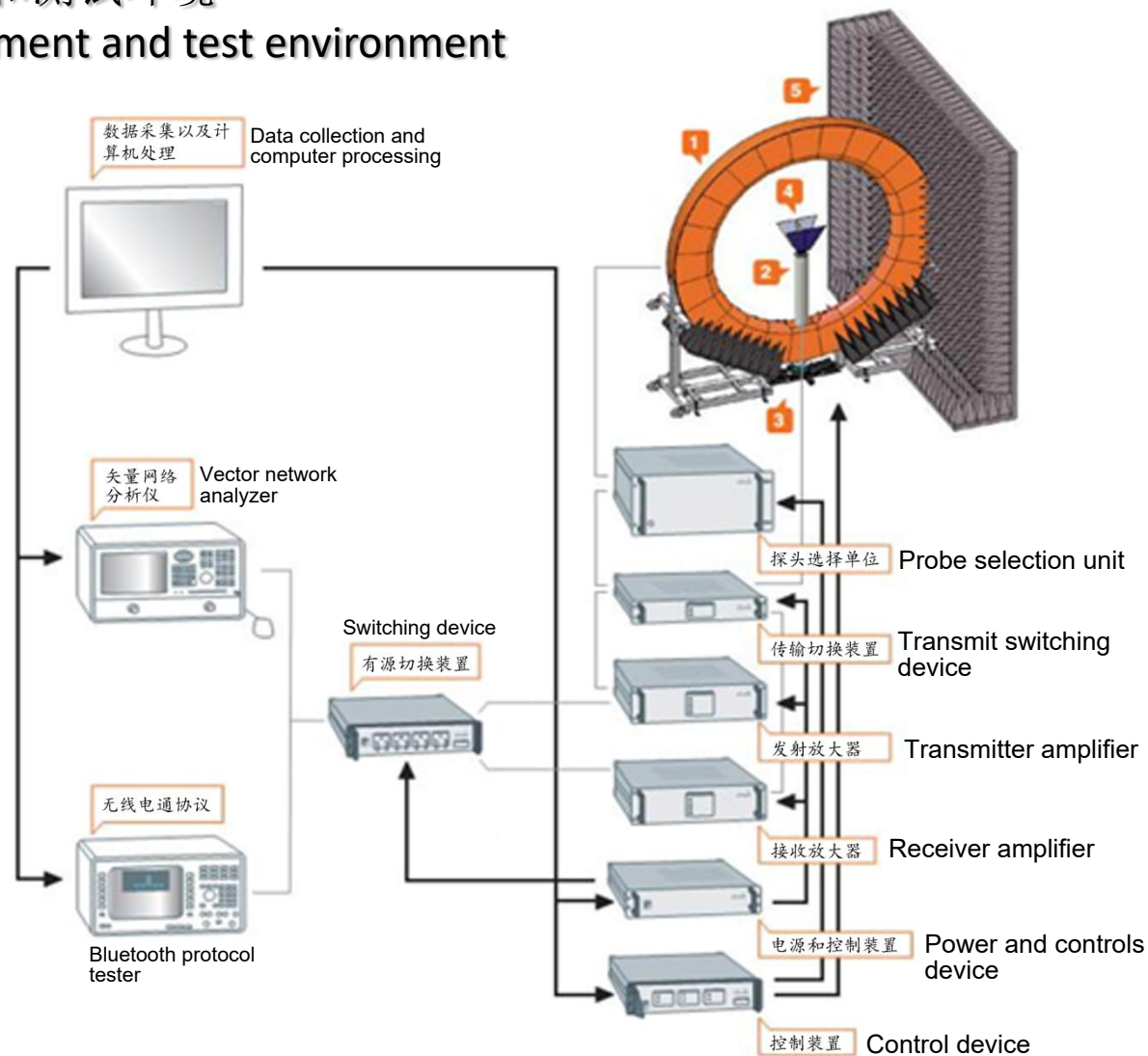
审 核 夏兴喜
Verify by _____

日 期 2022-06-21
Date _____



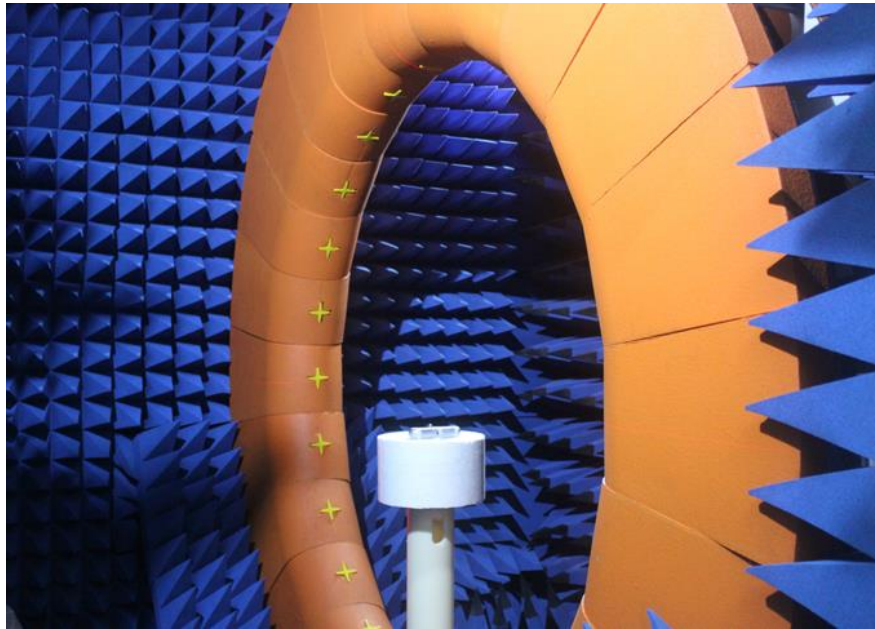
测试设备和测试环境

Test equipment and test environment





测试设备 Test equipment

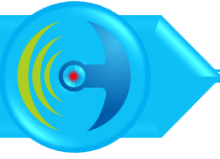


探头微波暗室 Probe anechoic chamber

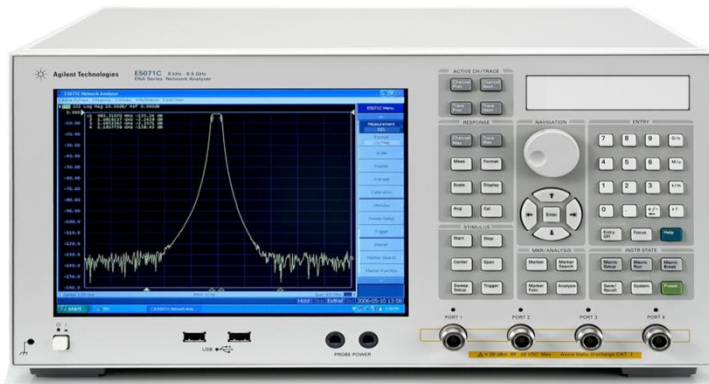
➤ 频率: 0.4GHz至6GHz
Frequency

主要测试指标

- ◆ 无源指标 Passive indicators
- ◆ 增益 Gain
- ◆ 效率 Efficiency
- ◆ 3D方向图 Radiation pattern
- 有源指标
- TRP总辐射功率 Total radiated power
- TIS总接收灵敏度 Total Receive Sensitivity



测试设备 Test equipment



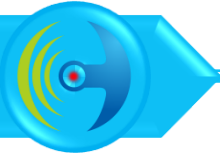
Agilent E5071C 矢量网络分析仪
Vector network analyzer

- 频率: 300 kHz至8.5GHz
Frequency



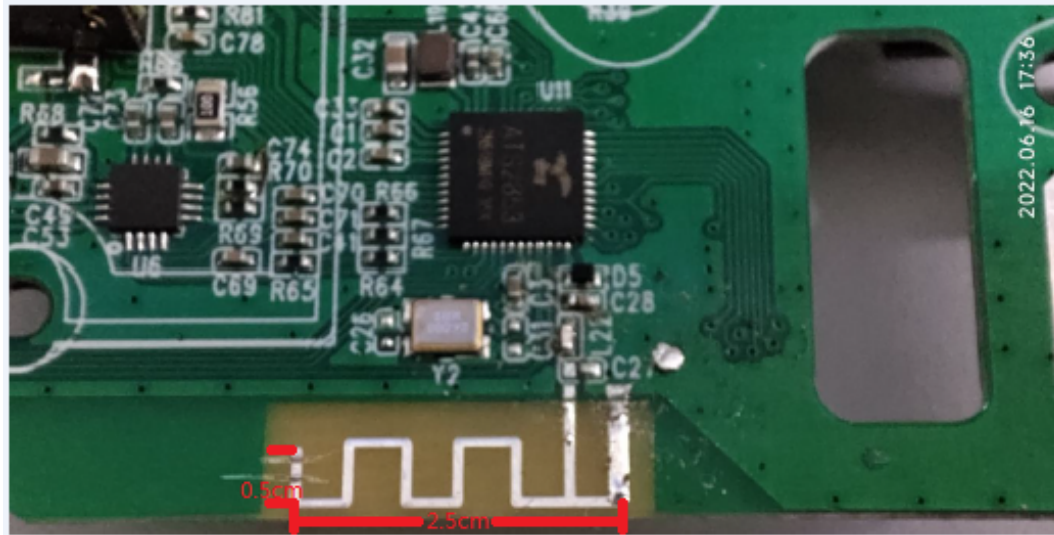
R&S CMW500 宽带无线通信测试仪
Wideband radio communication tester

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



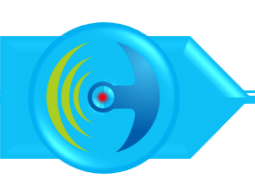
天线安装位置

Passive antenna data

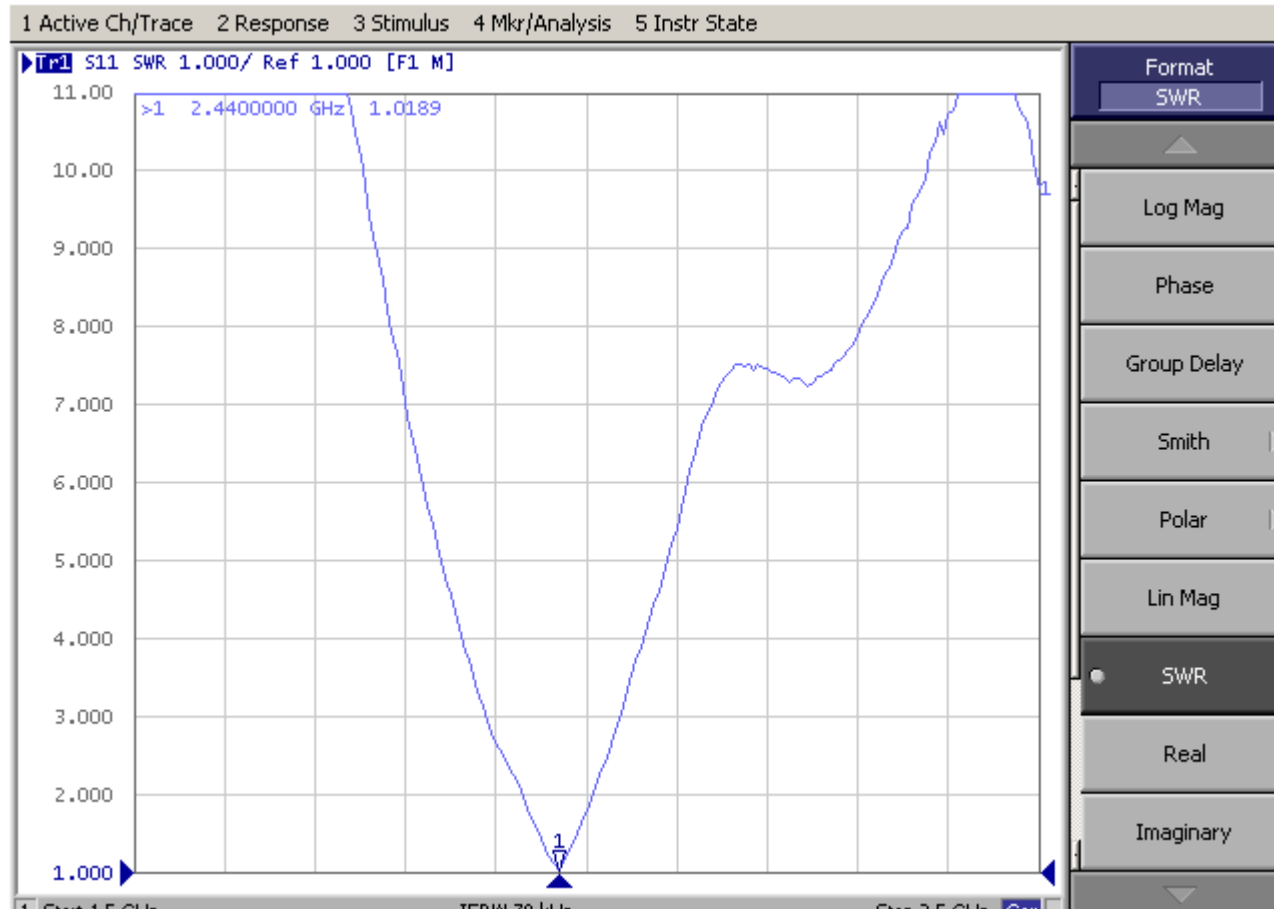


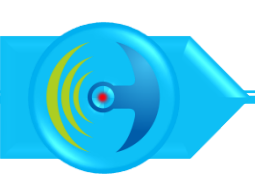
板载天线割断1.3mm

Onboard antenna cut 1.3mm

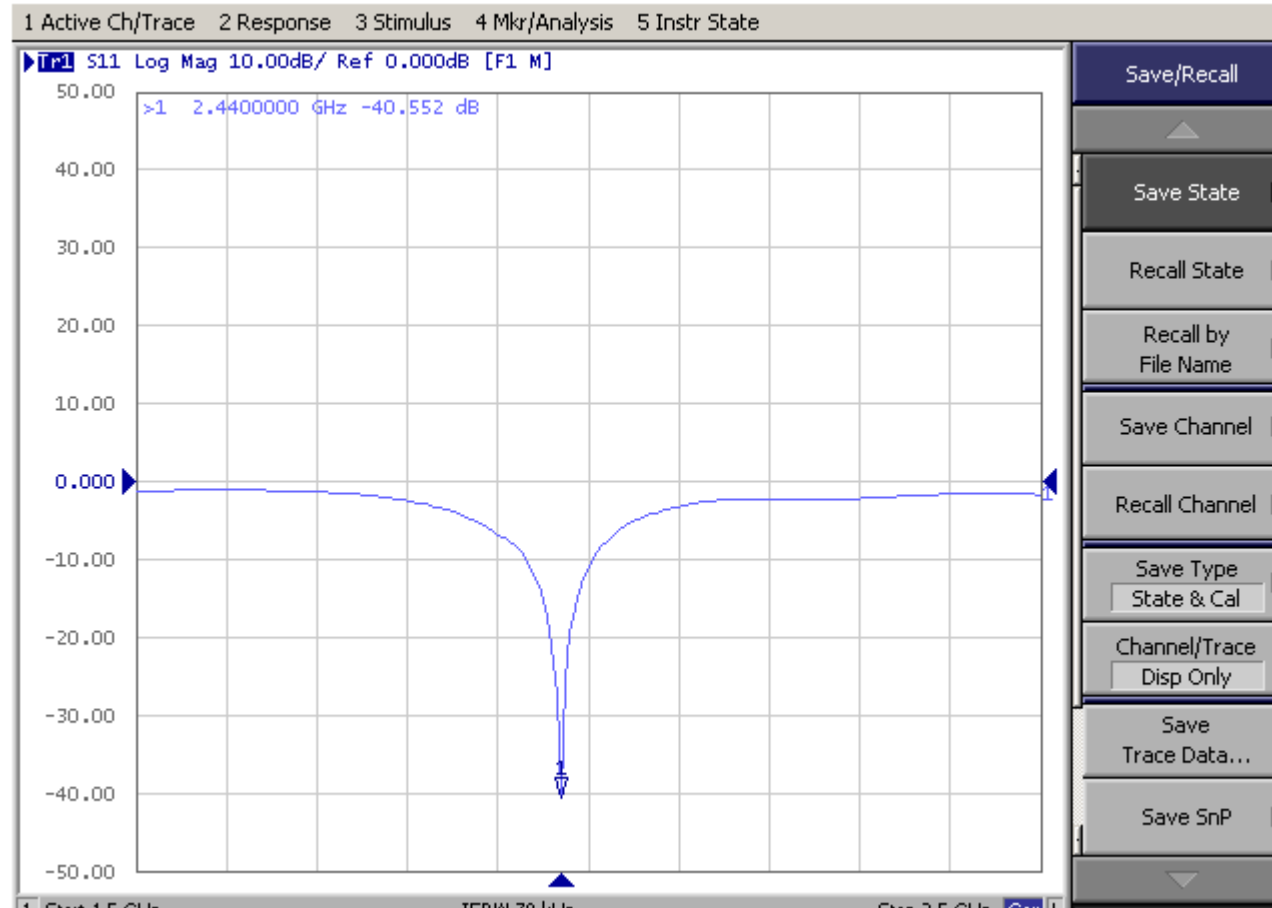


天线驻波比 Antenna SWR





天线回波损耗 Antenna Return loss

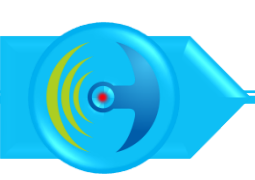




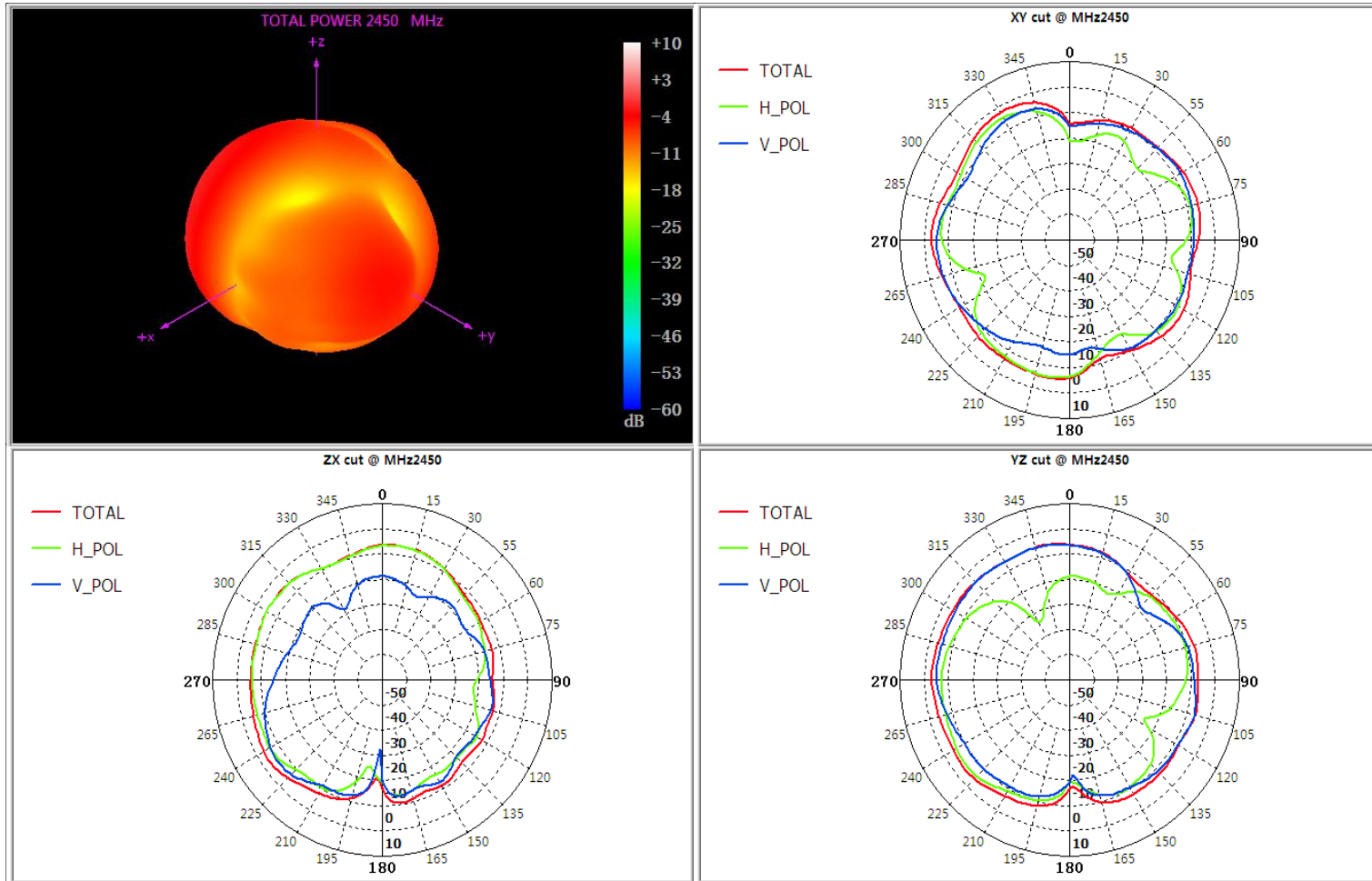
天线增益与效率

Antenna gain and efficiency

天线		
Freq(MHz)	Efficiency (%)	Gian(dBi)
2400	25.49	-1.39
2410	26.36	-1.73
2420	27.14	-0.61
2430	27.95	-0.64
2440	28.32	-0.51
2450	29.06	-0.31
2460	28.02	-0.41
2470	27.55	-0.59
2480	26.17	-1.32
2490	25.79	-1.01
2500	24.58	-1.06



天线辐射方向图 Antenna Radiation Pattern



Thanks for your support!
感谢您的支持!

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