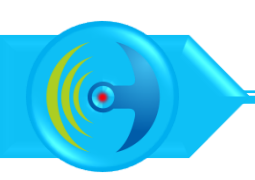


专业天线服务商

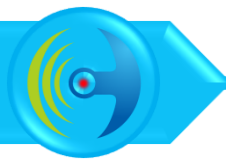
深圳市飞敏科技有限公司
SHENZHEN FEIMIN TECHNOLOGY CO.,LTD.



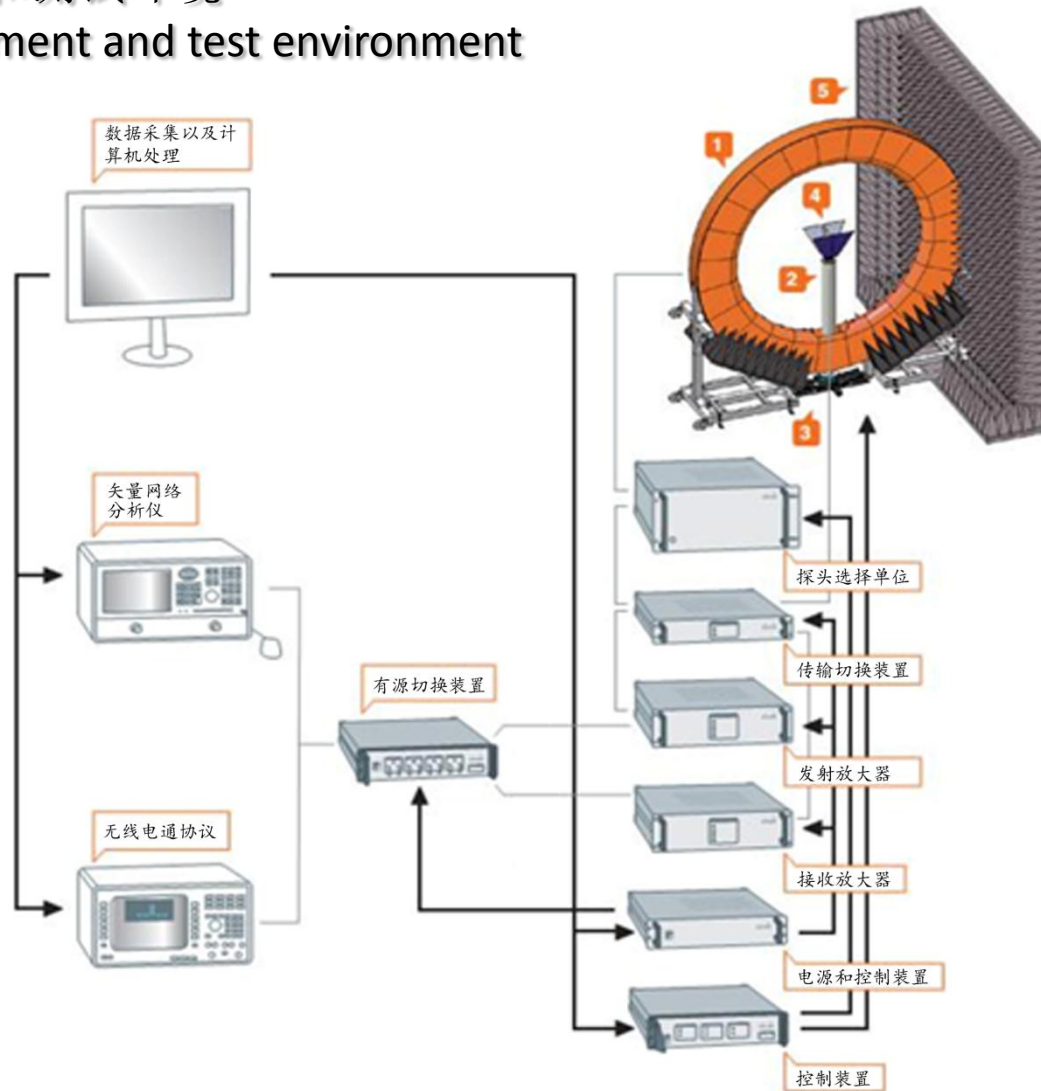
天线测试报告

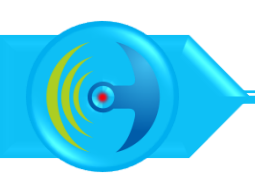
Antenna test report

项目型号	V5
天线型号	
测 试	许高富
审 核	范敏
日 期	2024-1-5



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

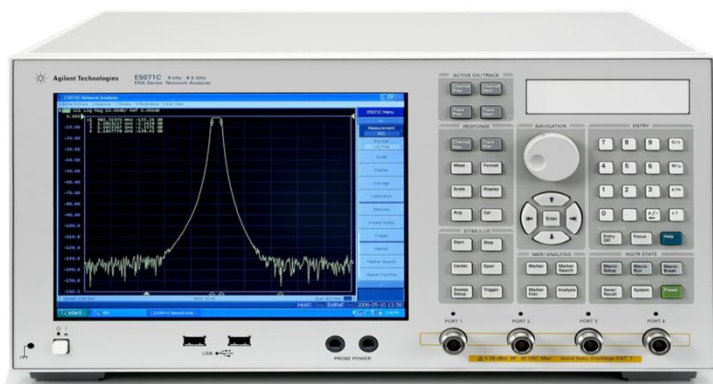
主要测试指标

- ◆ 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



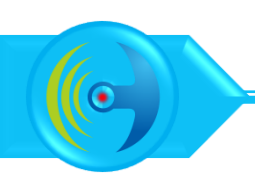
Agilent E5071C 矢量网络分析仪

- 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

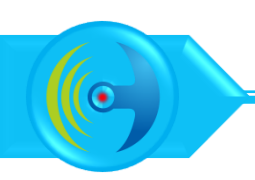


天线照片
Passive antenna photos

右天线

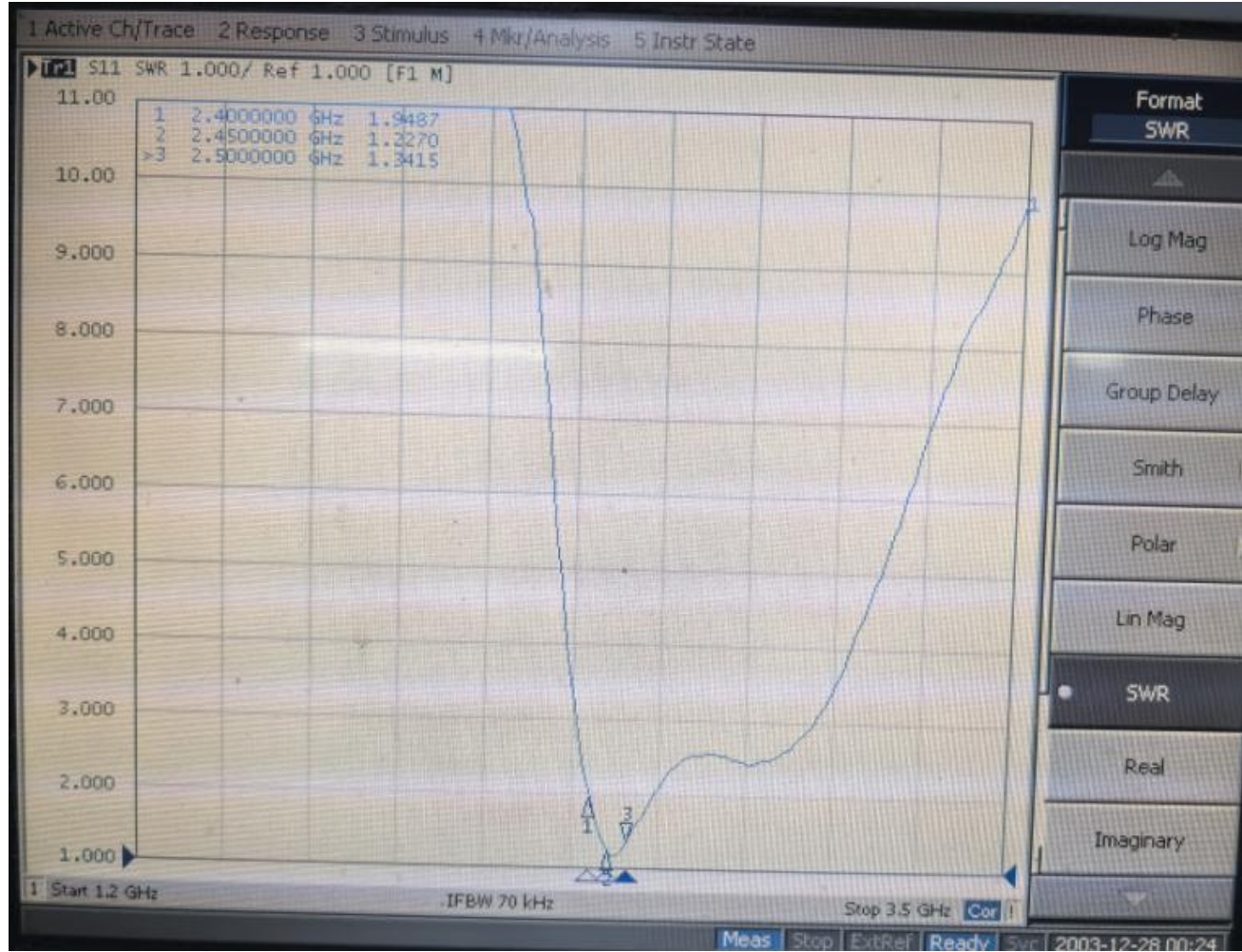
右天线安装位置及方式

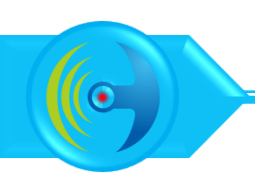




天线驻波比 Antenna SWR

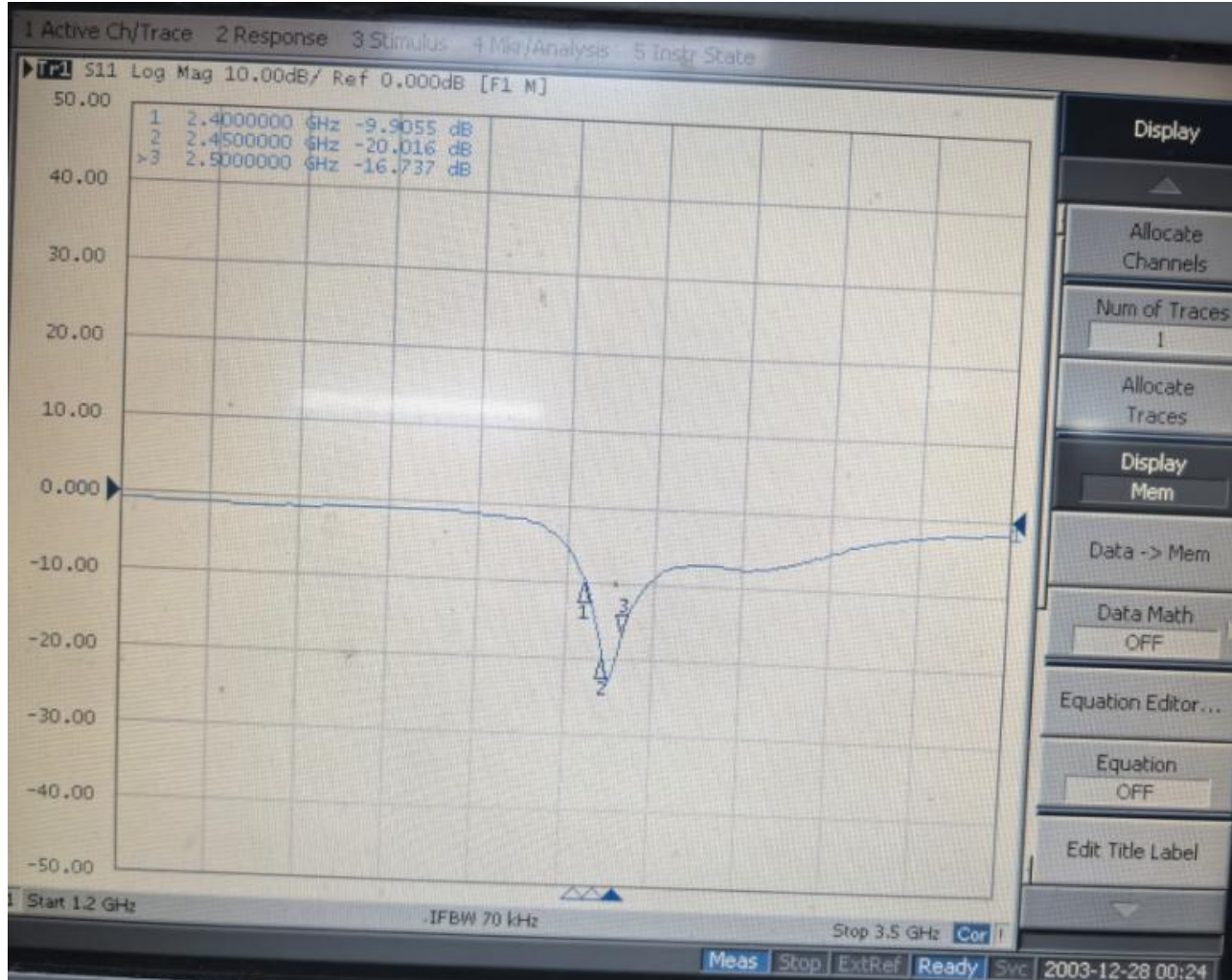
右天线





天线回波损耗 Antenna Return loss

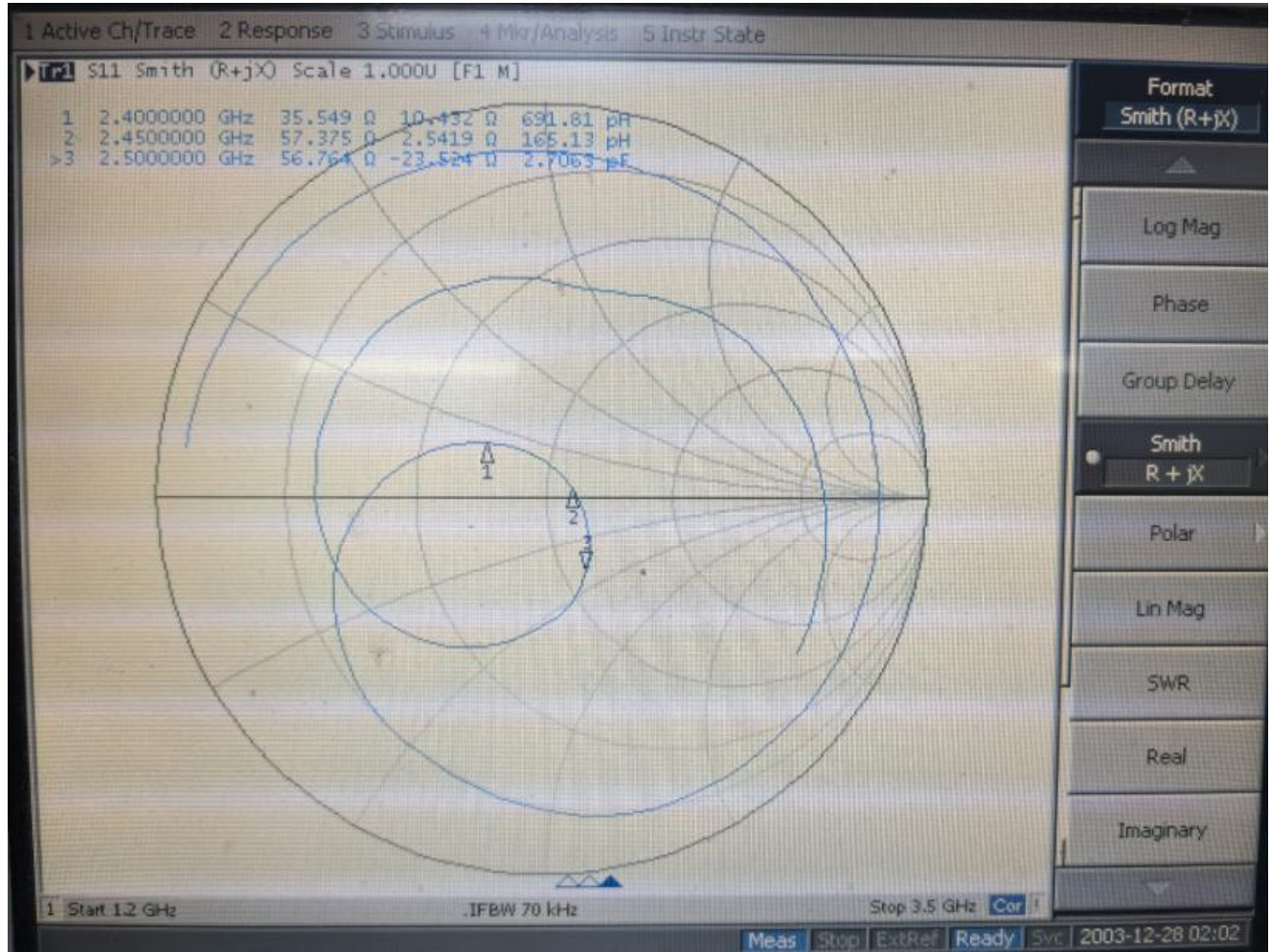
右天线

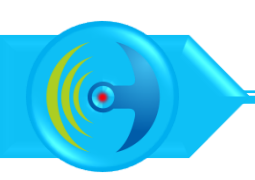




史密斯圆图

右天线





天线增益与效率
Antenna gain and efficiency

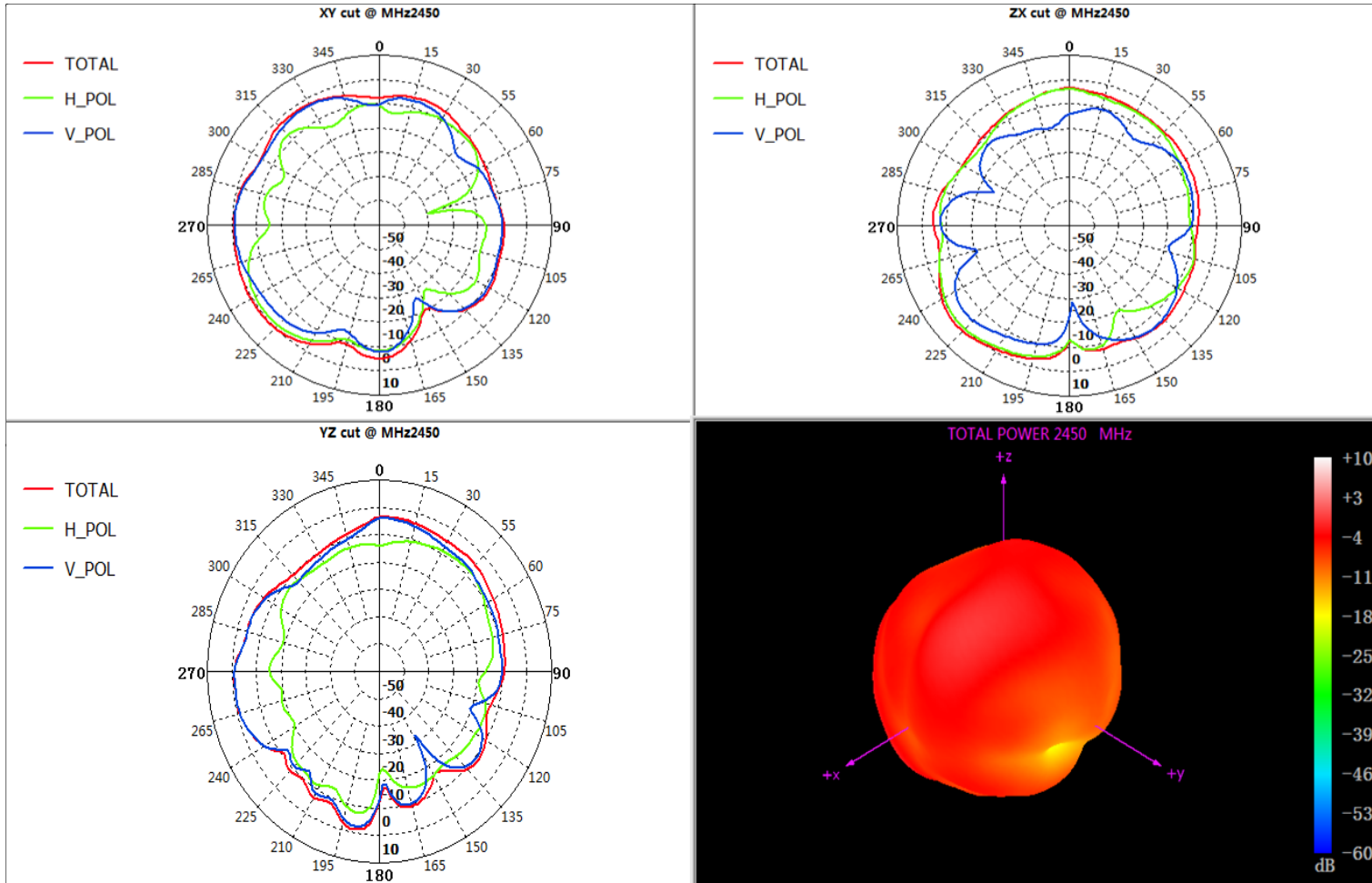
右天线

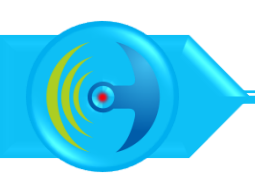
天线		
Freq(MHz)	Efficiency (%)	Gain(dBi)
2400 MHz	42.1	3.51
2410 MHz	43.38	3.23
2420 MHz	43.44	3.5
2430 MHz	45.95	3.62
2440 MHz	46.14	3.62
2450 MHz	45.82	3.79
2460 MHz	46.11	3.46
2470 MHz	45.72	3.57
2480 MHz	44.18	3.33
2490 MHz	44.06	3.17
2500 MHz	43.26	3.37



天线辐射方向图 Antenna Radiation Pattern

右天线

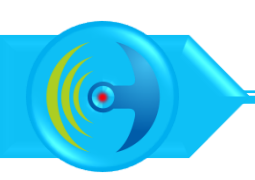




天线照片
Passive antenna photos

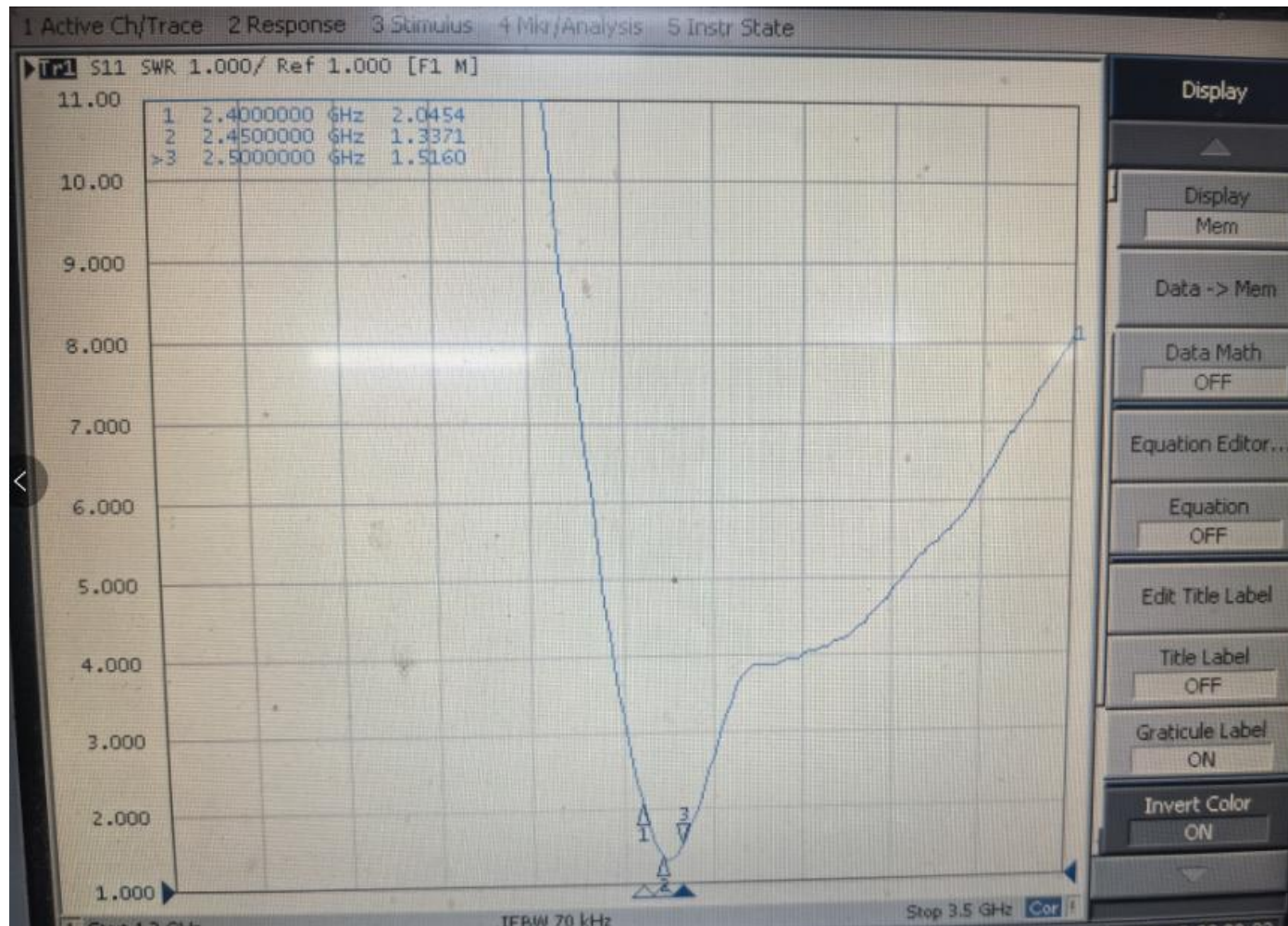
左天线

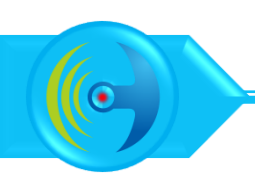




天线驻波比 Antenna SWR

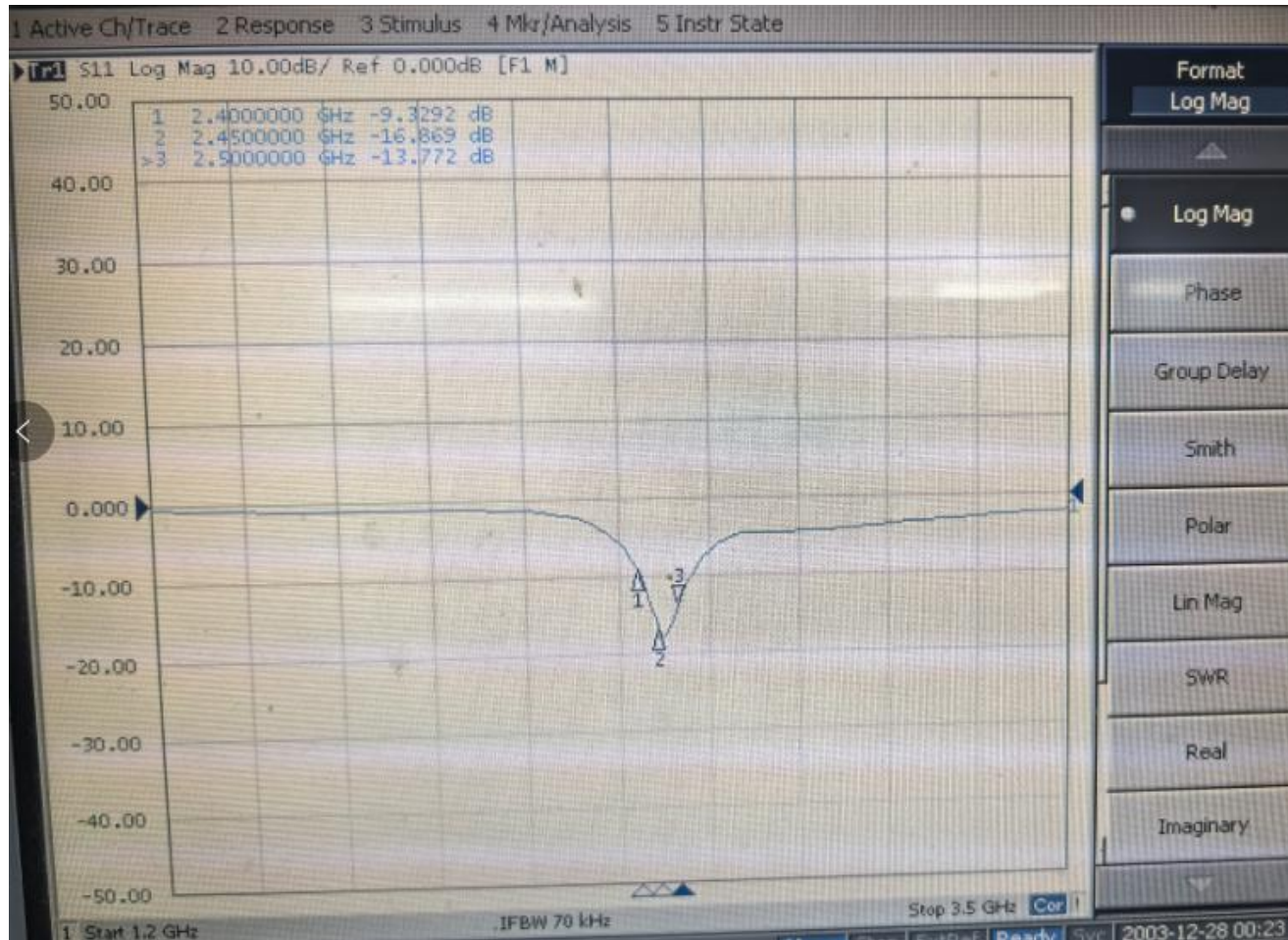
左天线

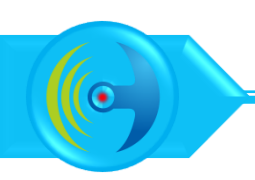




天线回波损耗 Antenna Return loss

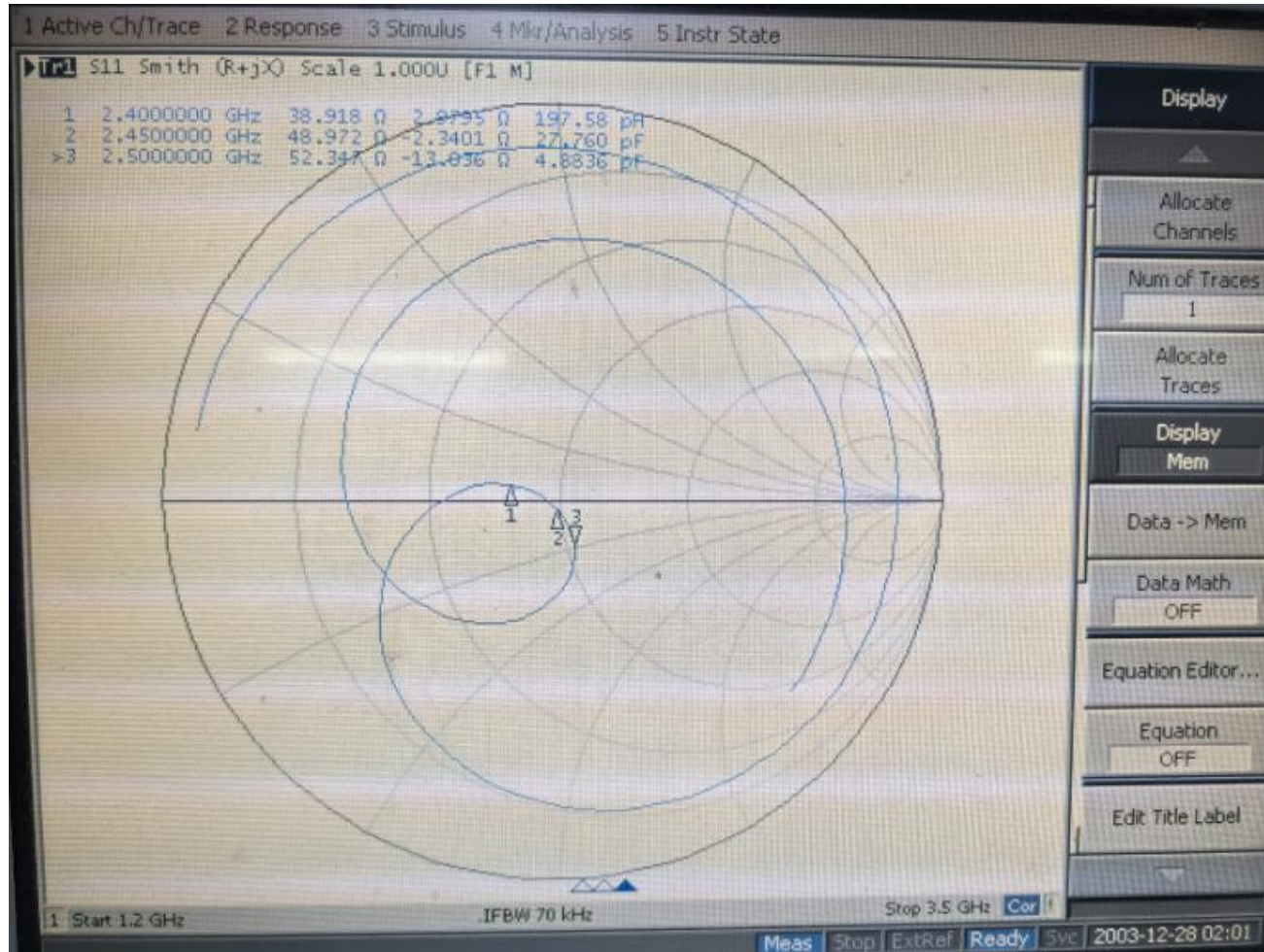
左天线

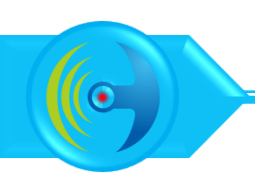




史密斯圆图

左天线

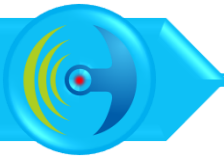




天线增益与效率
Antenna gain and efficiency

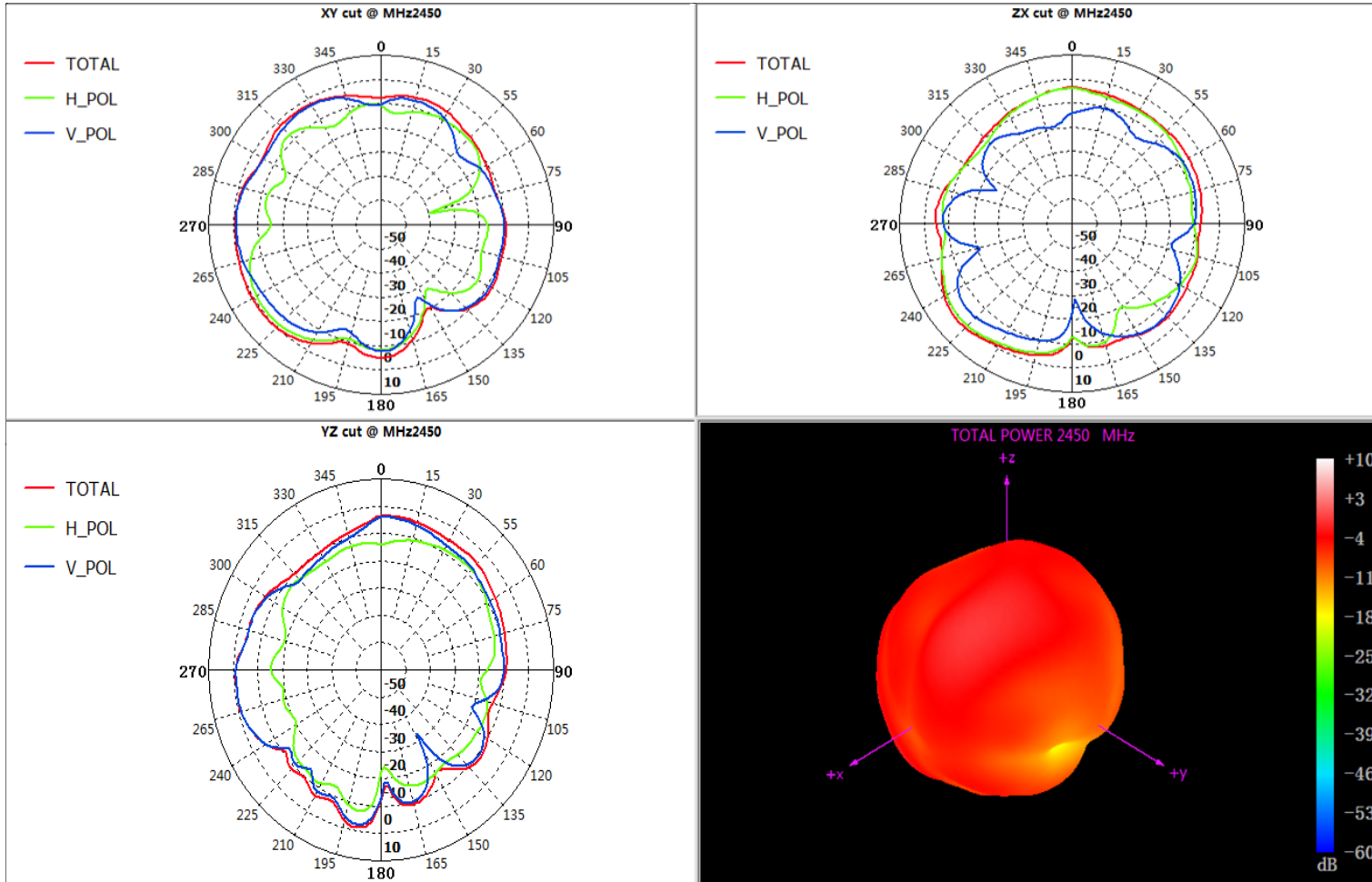
左天线

天线		
Freq(MHz)	Efficiency (%)	Gain(dBi)
2400 MHz	44.77	2.8
2410 MHz	45.28	2.46
2420 MHz	43.64	2.72
2430 MHz	45.13	2.27
2440 MHz	45.72	2.27
2450 MHz	45.67	2.22
2460 MHz	46.84	2.31
2470 MHz	44.47	2.44
2480 MHz	44.34	2.38
2490 MHz	43.34	2.34
2500 MHz	43.77	2.3



天线辐射方向图 Antenna Radiation Pattern

左天线



Thanks for your support !
感谢您的支持！

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