

专业天线服务商

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



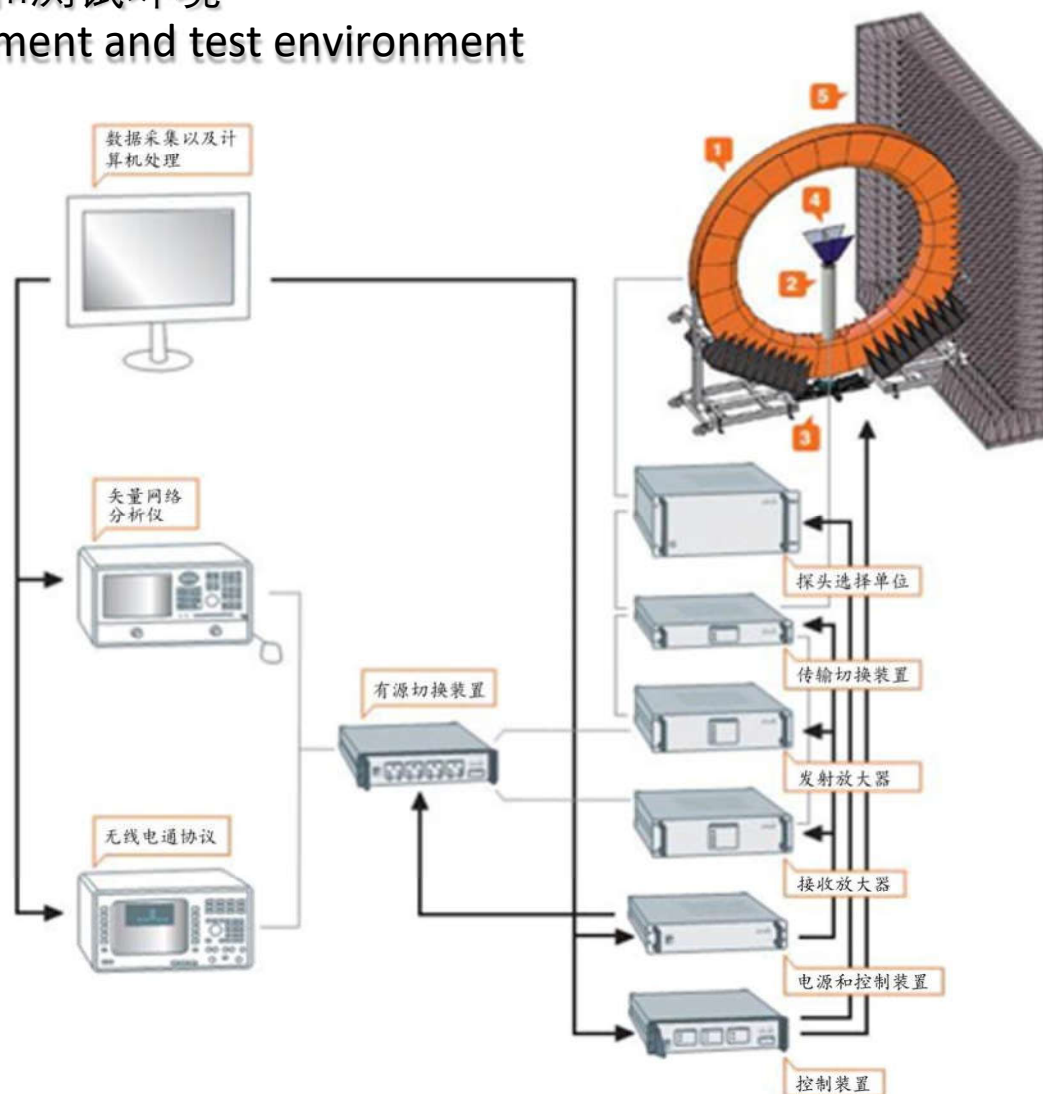
天线测试报告

Antenna test report

项目型号	BT3
天线型号	CSX-2.4G
测 试	魏月娥
审 核	杨权生
日 期	2024-6-31

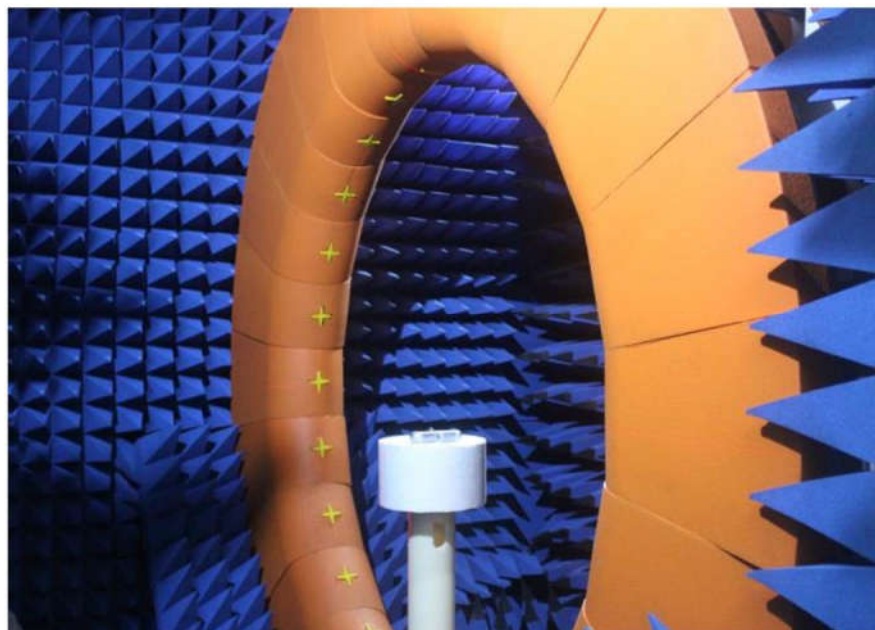


测试设备和测试环境 Test equipment and test environment





测试设备 Test equipment



探头微波暗室

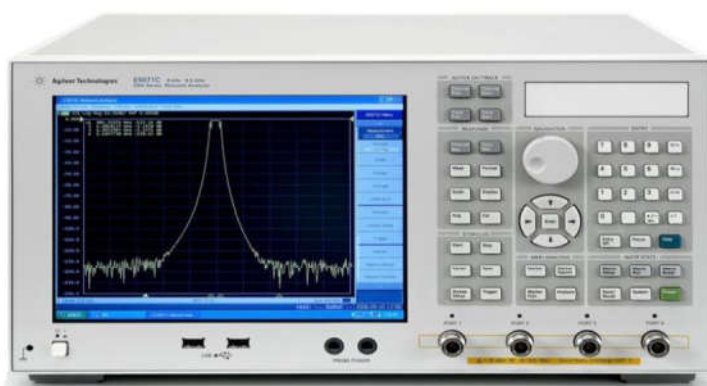
➤ 频率：0.4GHz至6GHz

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

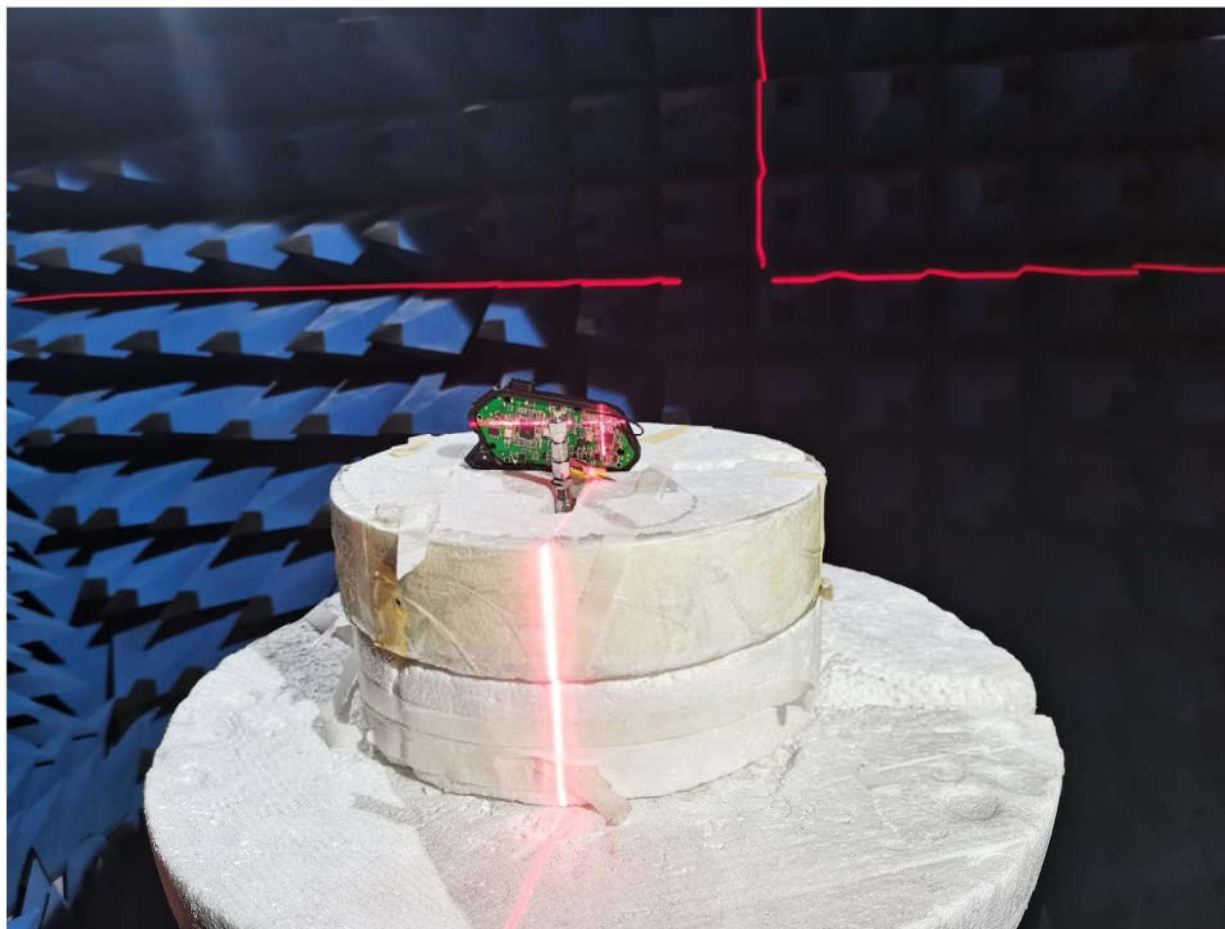


R&S CMW500 宽带无线通信测试仪

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



测试拍照
Test photos





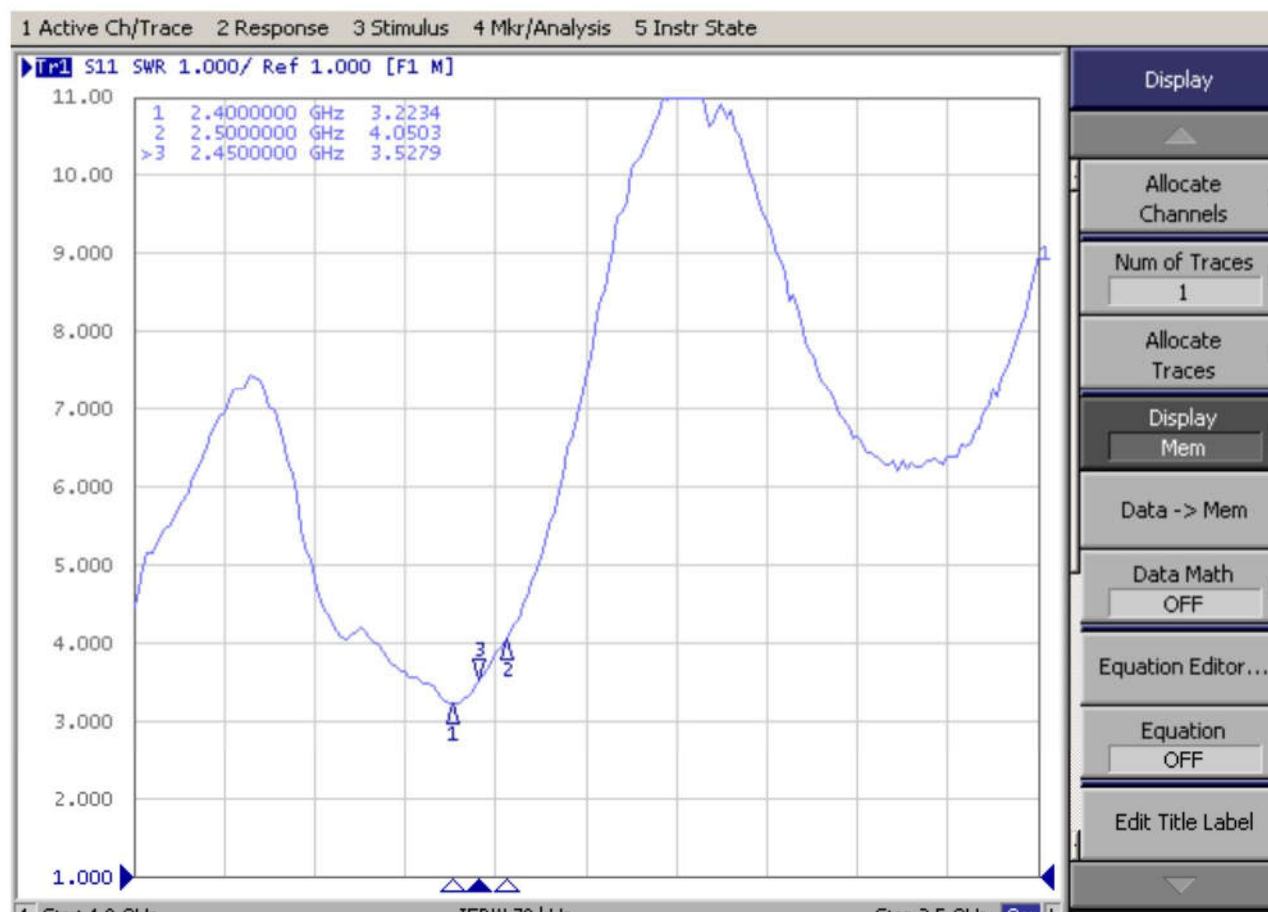
天线安装位置
Passive antenna data

注意天线安装
位置及方式



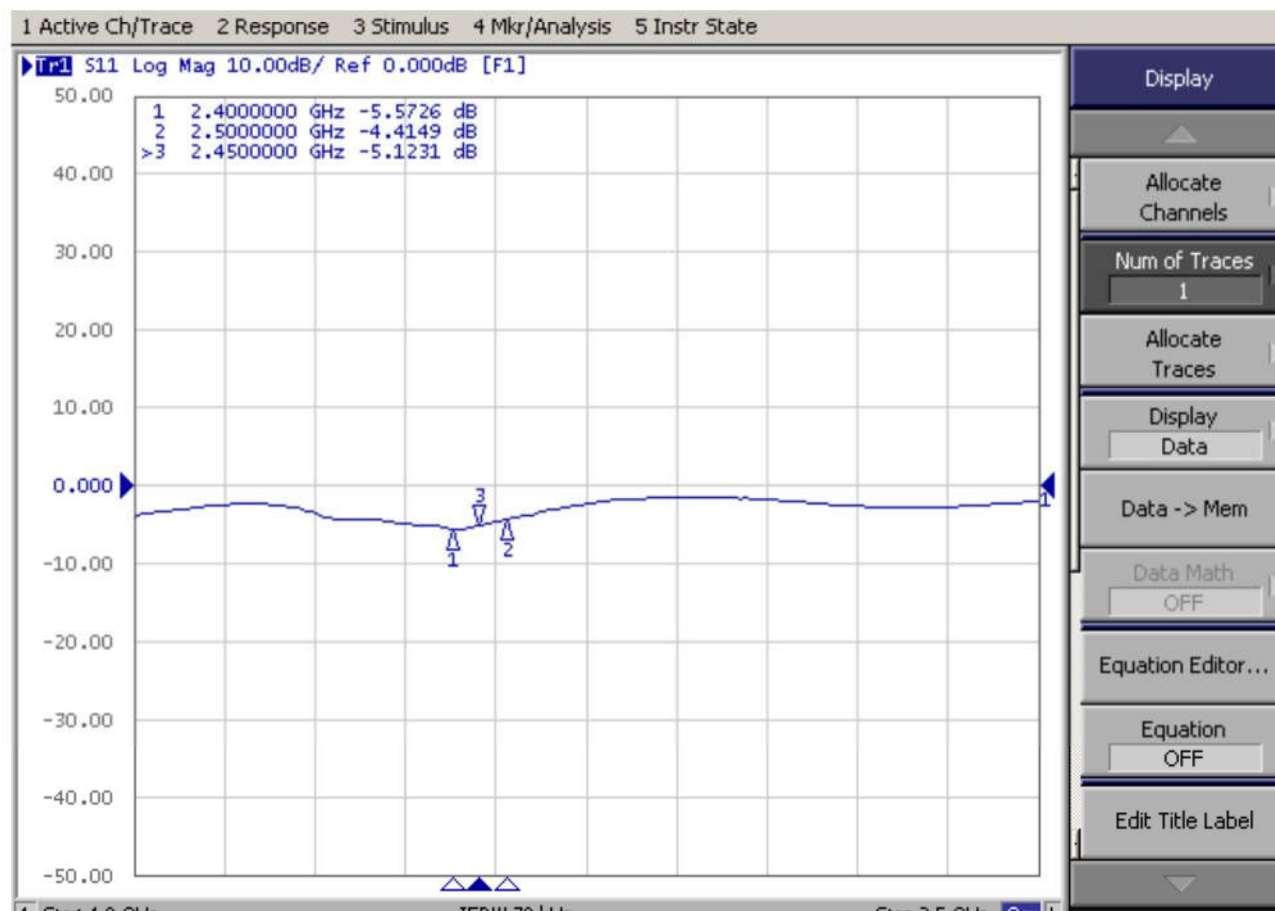


天线驻波比 Antenna SWR





天线回波损耗 Antenna Return loss



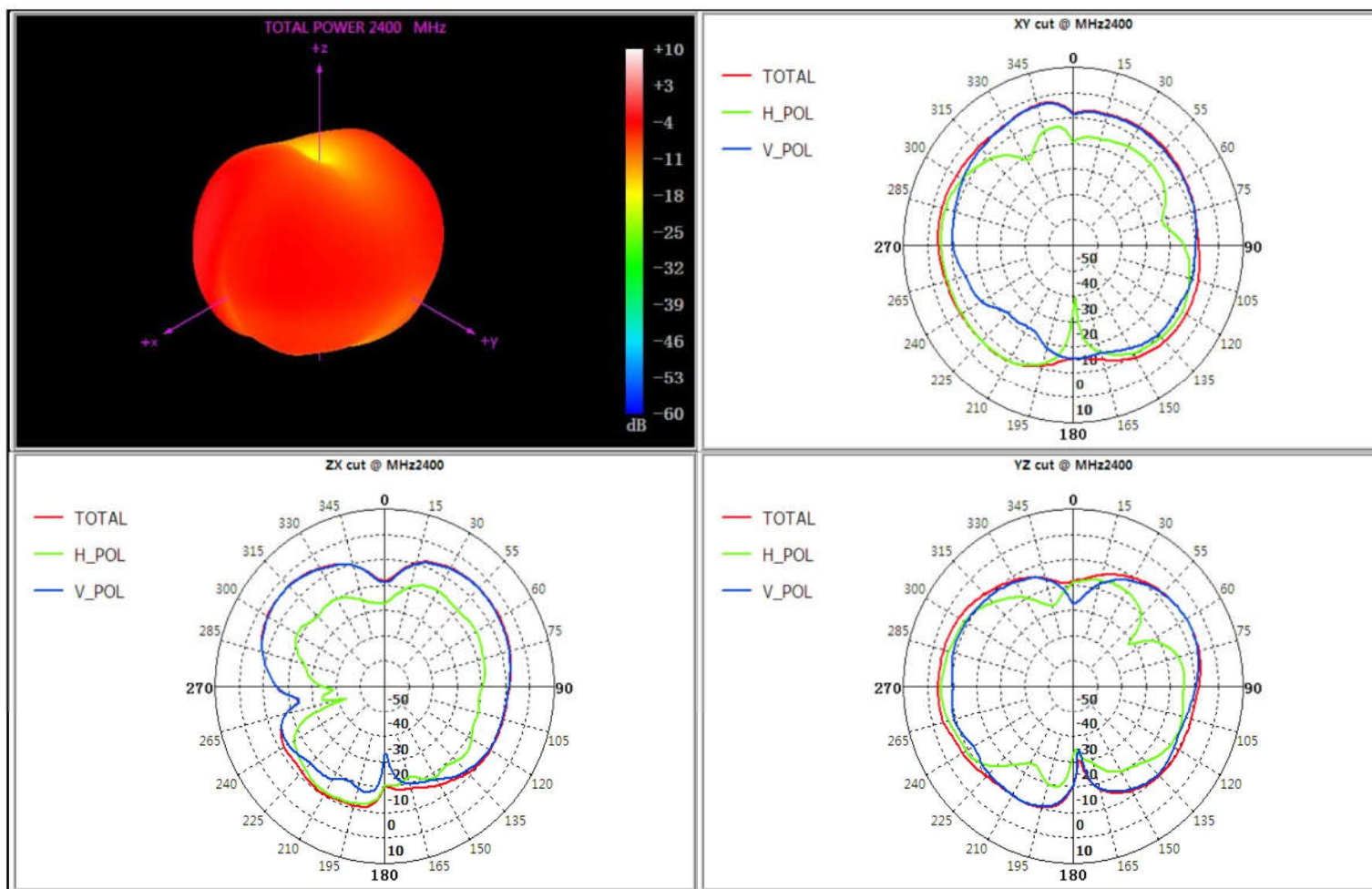


天线增益与效率
Antenna gain and efficiency

天线		
Freq(MHz)	Efficiency (%)	Gian(dBi)
2400	25.23	-2.23
2410	24.15	-2.48
2420	23.67	-2.66
2430	23.33	-2.77
2440	22.84	-2.88
2450	23.05	-2.84
2460	23.9	-2.79
2470	23.83	-2.69
2480	23.8	-2.66
2490	22.86	-2.79
2500	21.68	-3.08

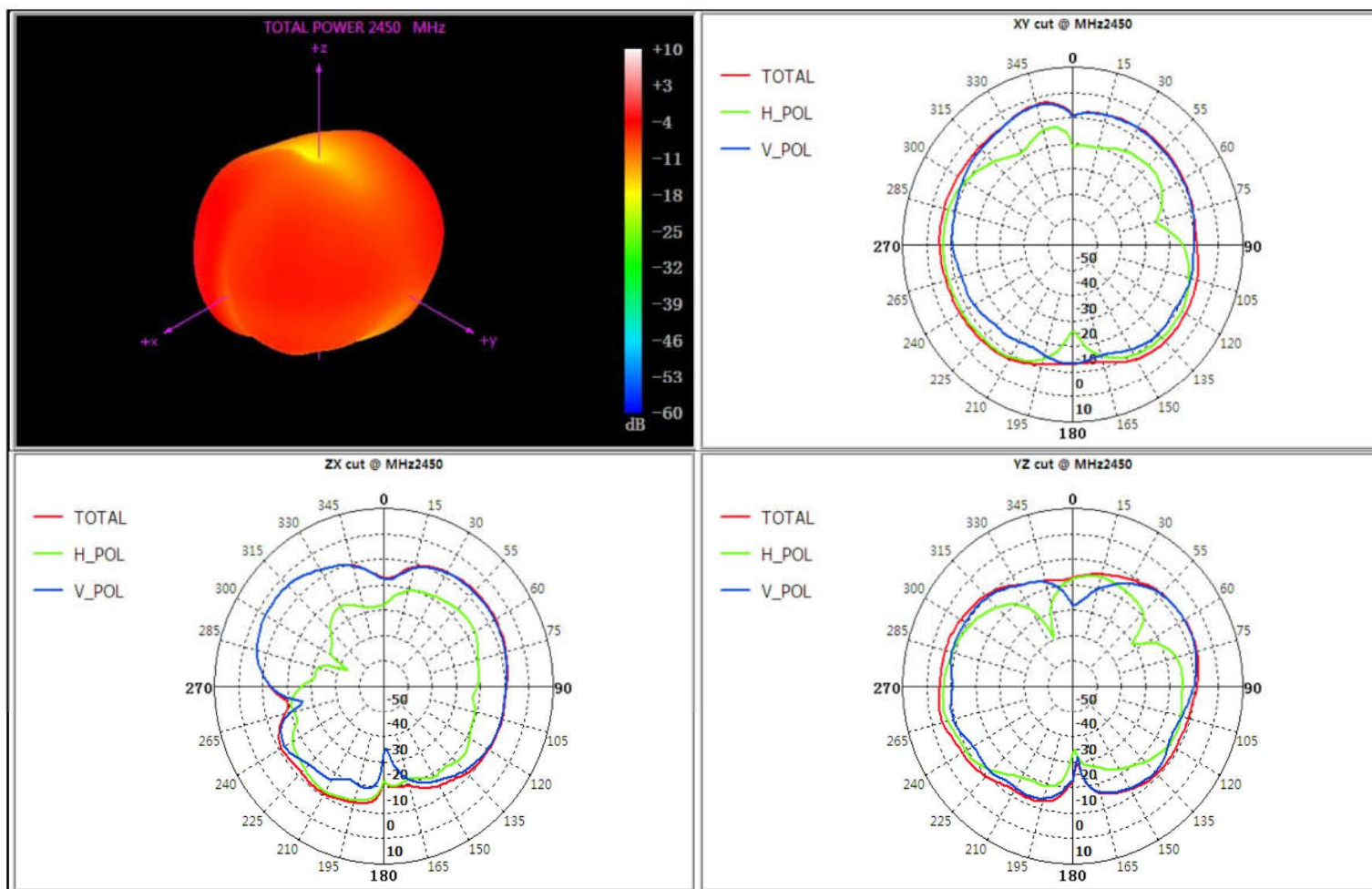


天线辐射方向图 Antenna Radiation Pattern



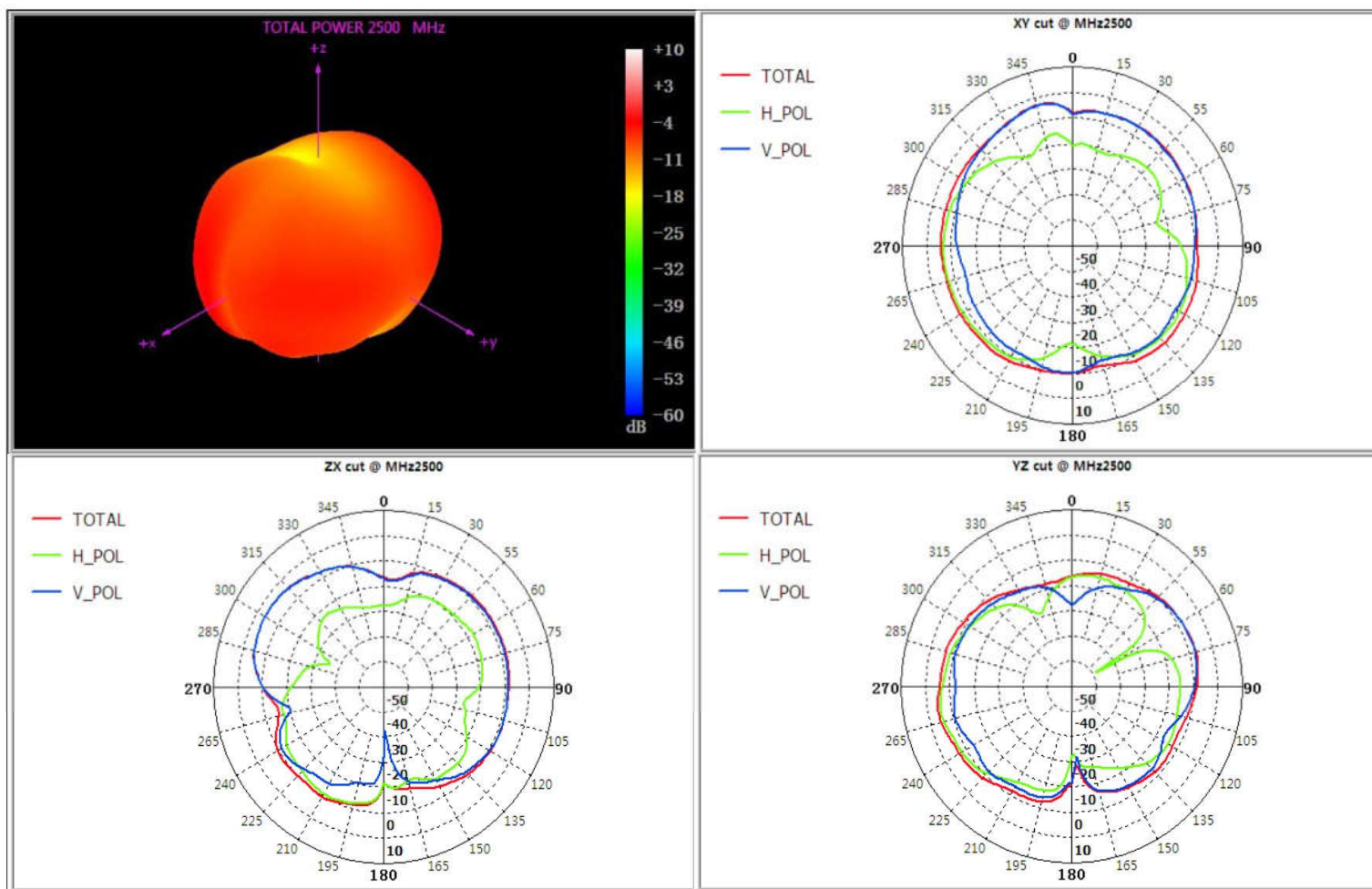


天线辐射方向图 Antenna Radiation Pattern





天线辐射方向图 Antenna Radiation Pattern





Horizontal	Frequency MHz	Gain(dB)		
		Max	Min	Avg
	2400	-5.426	-43.712	-17.13
	2450	-6.354	-43.84	-17.433
	2500	-5.55	-48.702	-16.978

Vertical	Frequency MHz	Gain(dB)		
		Max	Min	Avg
	2400	-3.279	-34.335	-12.456
	2450	-3.282	-35.367	-12.776
	2500	-3.354	-42.7	-12.592

Thanks for your support!
感谢您的支持!

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