

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 Y20

天线型号

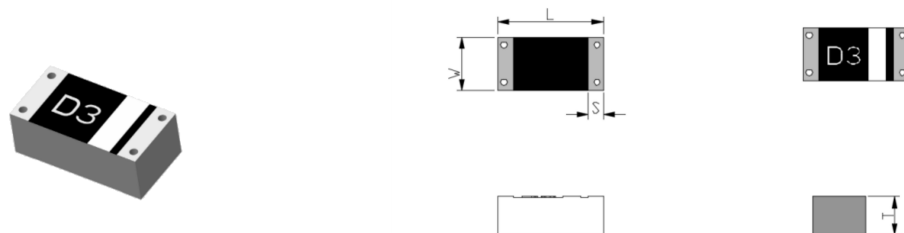
测 试 魏月娥

审 核 杨权生

日 期 2023-05-31

1. 项目信息 Project Information

1.1. 外观尺寸 Appearance and Dimensions

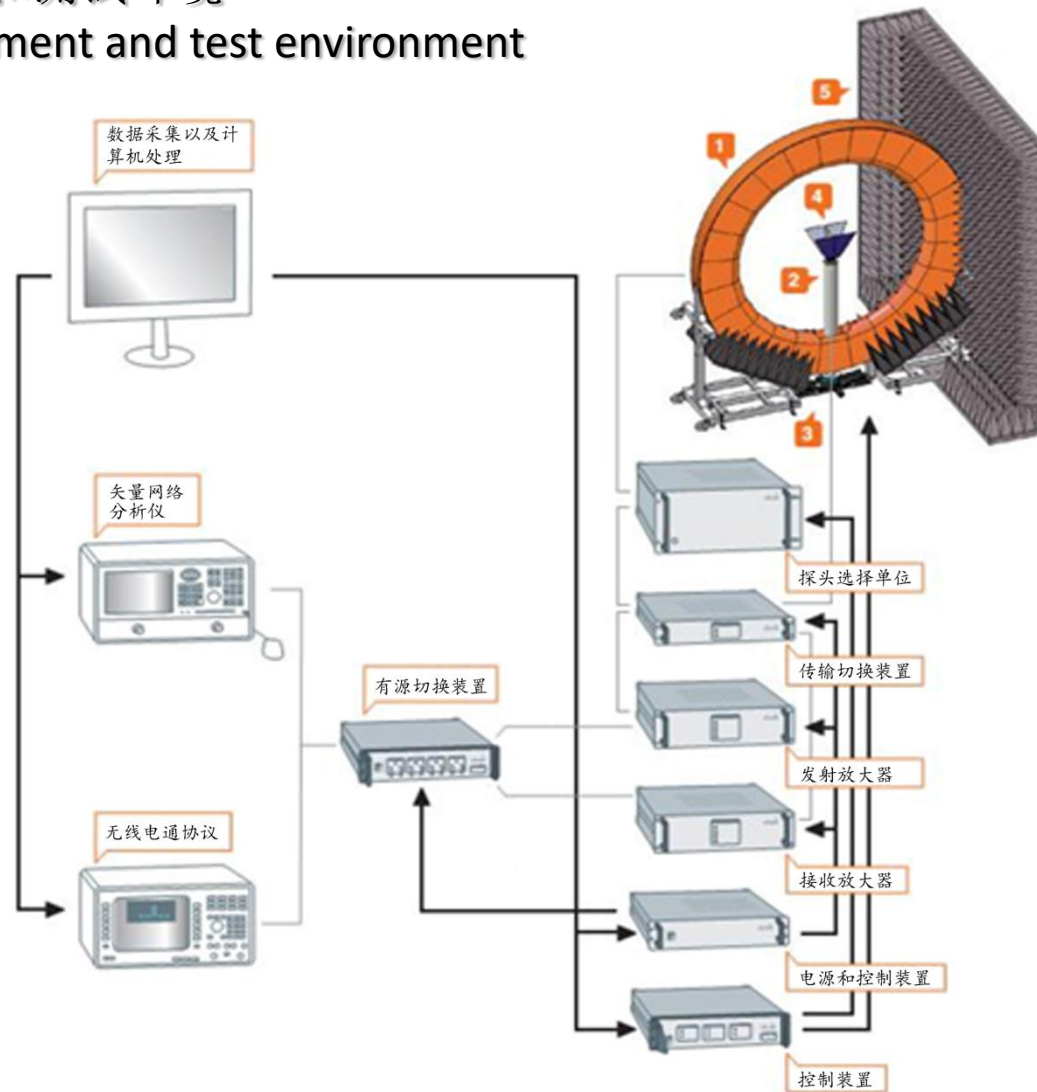


Symbol	Dimension (mm)
L (长度)	3.4 ± 0.20
W (宽度)	1.7 ± 0.20
T (厚度)	1.2 ± 0.20
S (电极宽度)	0.4 ± 0.20



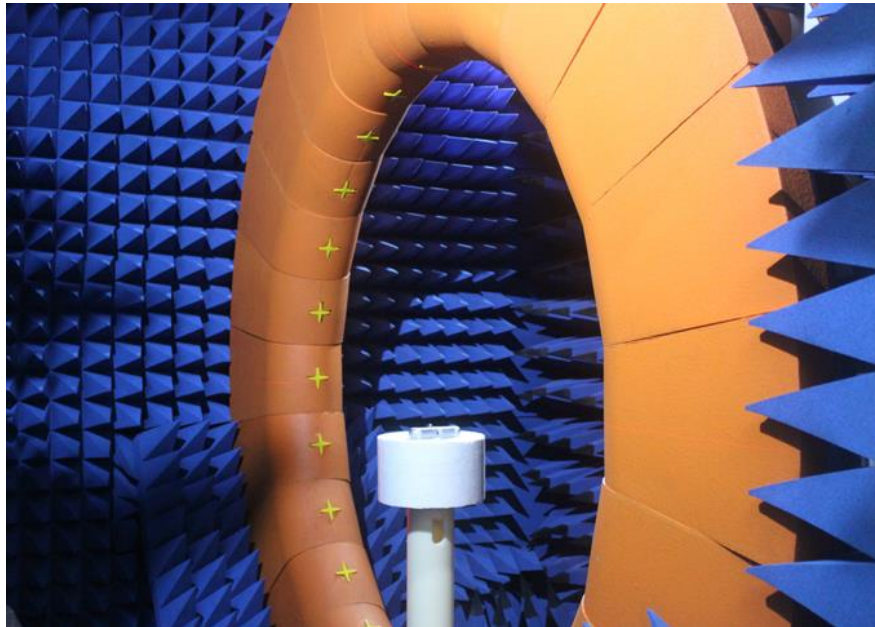
测试设备和测试环境

Test equipment and test environment





测试设备 Test equipment



探头微波暗室

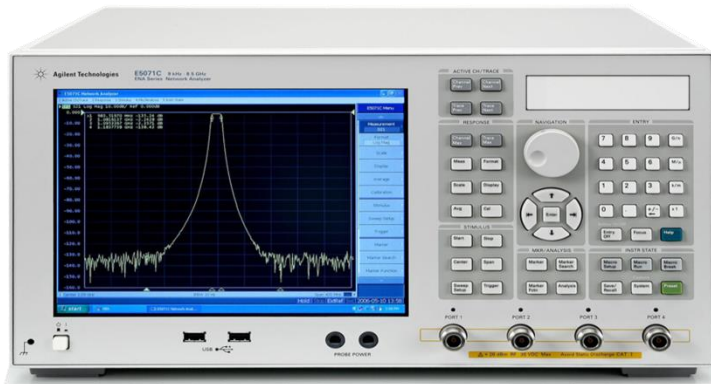
➤ 频率：0.4GHz至6GHz

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

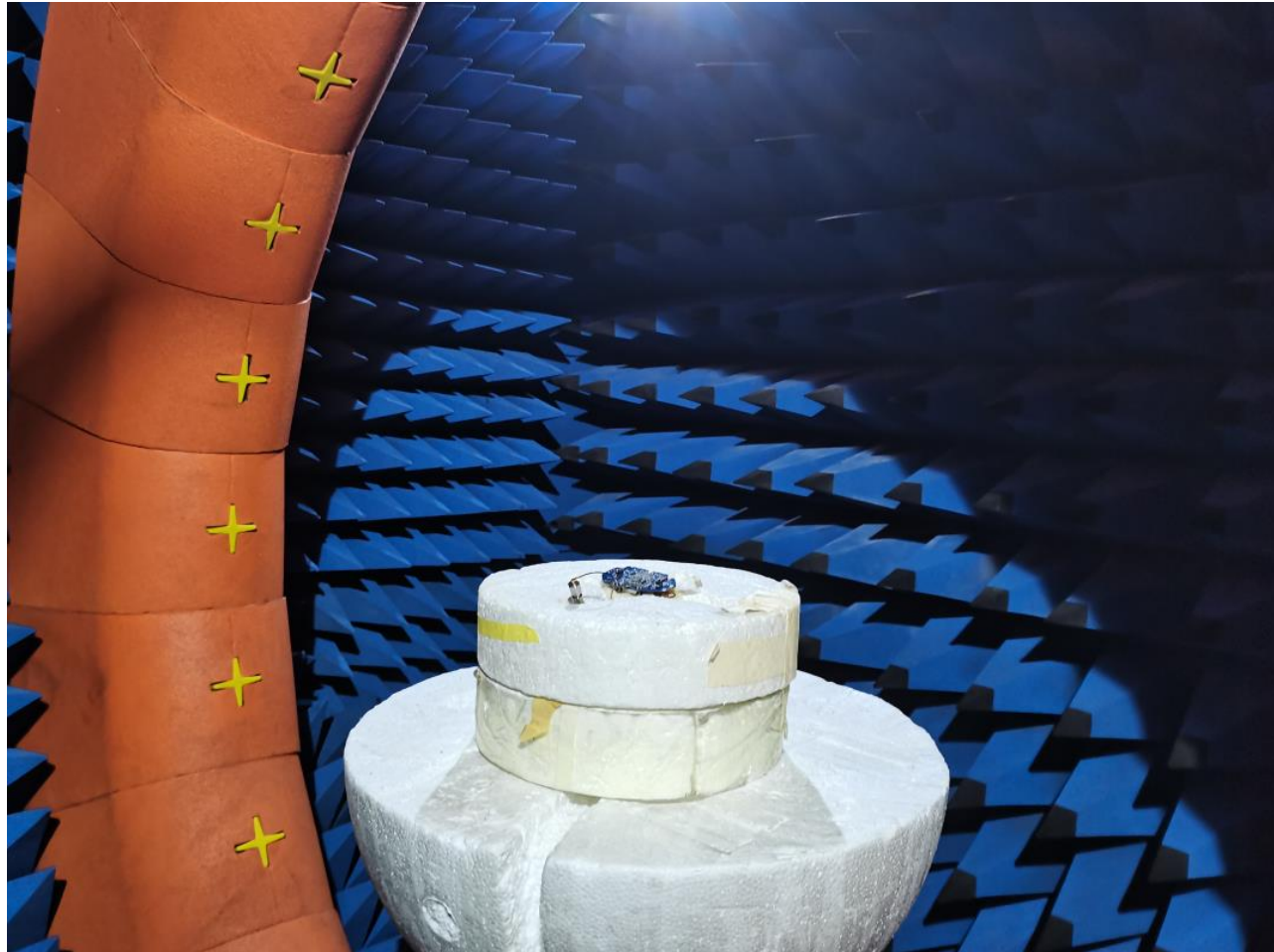


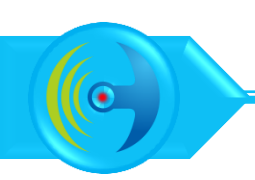
R&S CMW500 宽带无线通信测试仪

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

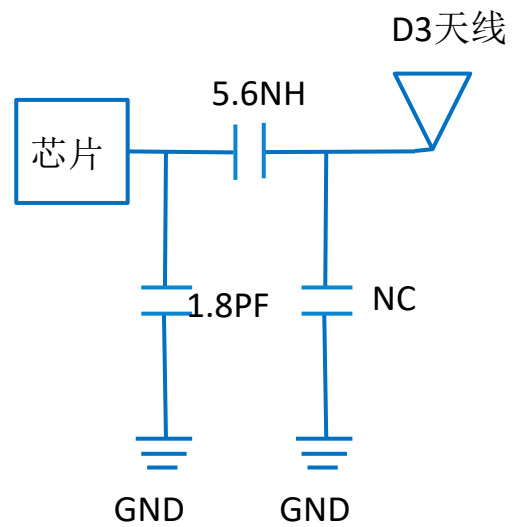


测试拍照
Test photos



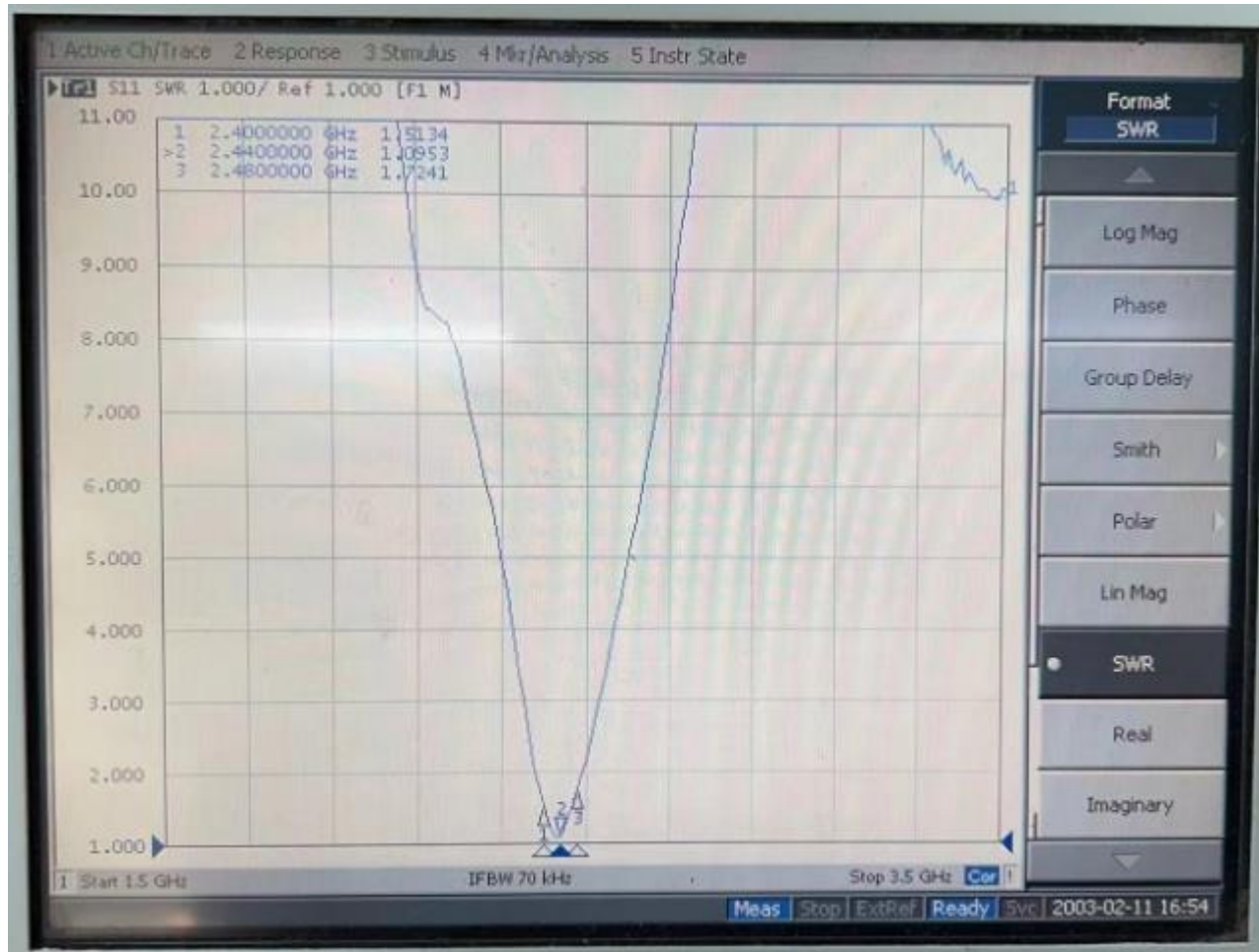


天线匹配





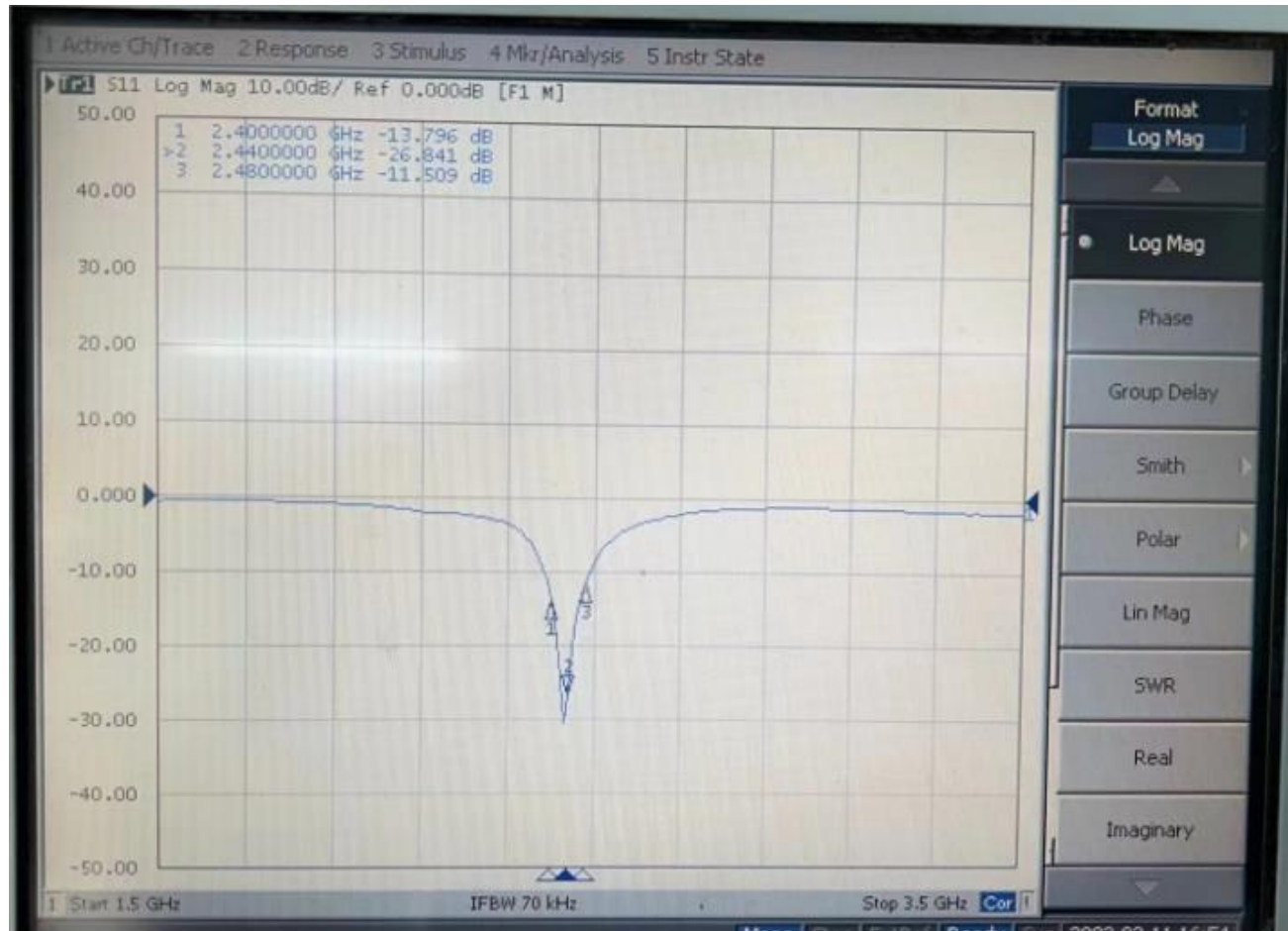
天线驻波比 Antenna SWR

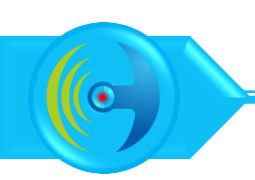




天线回波损耗

Antenna Return loss





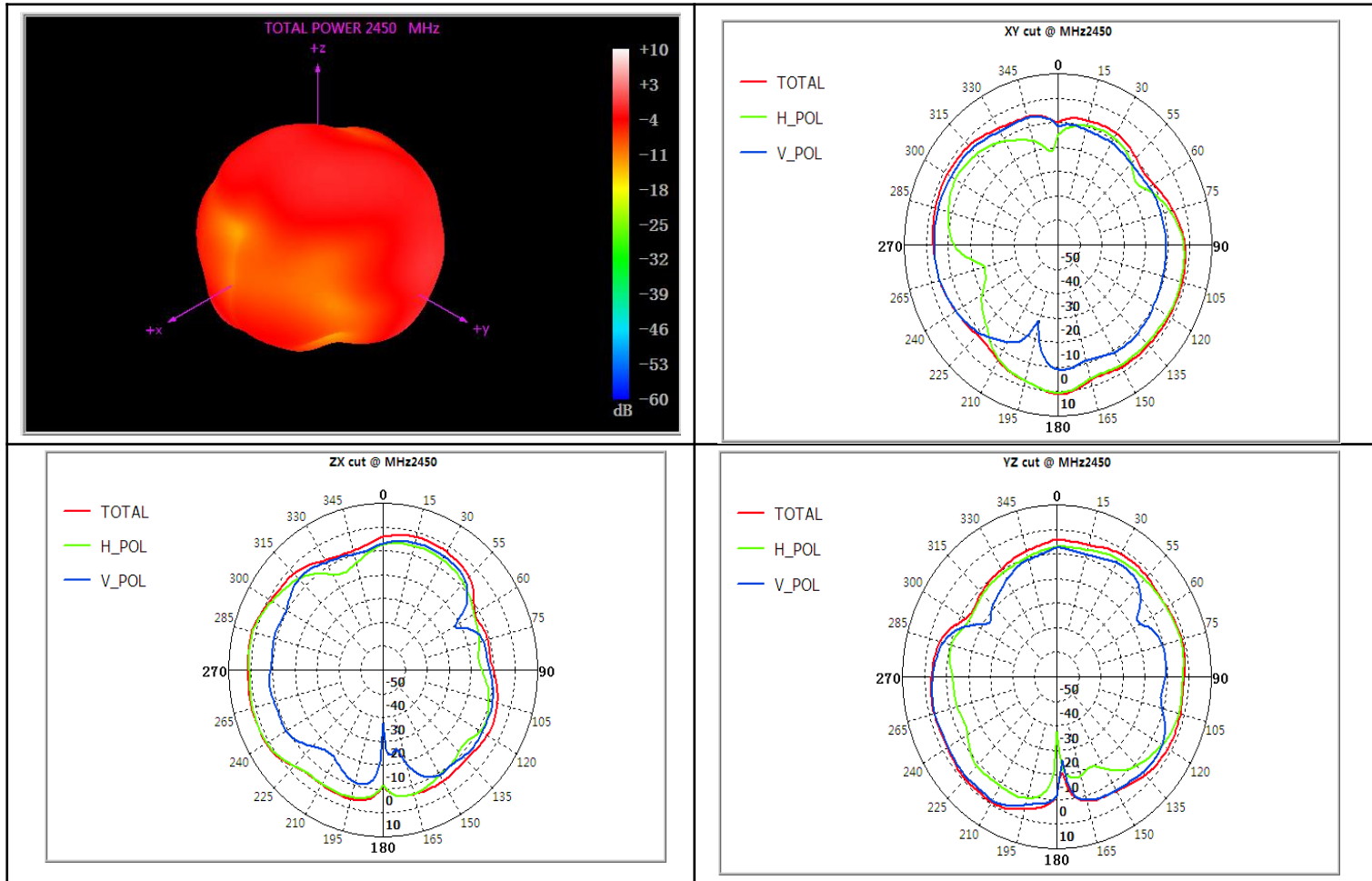
天线增益与效率

Antenna gain and efficiency

天线		
Freq(MHz)	Efficiency (%)	Gain(dBi)
2400	40.15	1.73
2410	39.75	2.37
2420	42.29	2.01
2430	43.46	1.86
2440	44.73	2.29
2450	44.73	2.11
2460	43.14	2.12
2470	41.57	1.94
2480	40.46	1.6
2490	39.62	1.75
2500	37.05	1.44



天线辐射方向图 Antenna Radiation Pattern



Thanks for your support!
感谢您的支持!

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