

# 天线测试报告

Antenna test report

项目型号 WP2260

天线型号

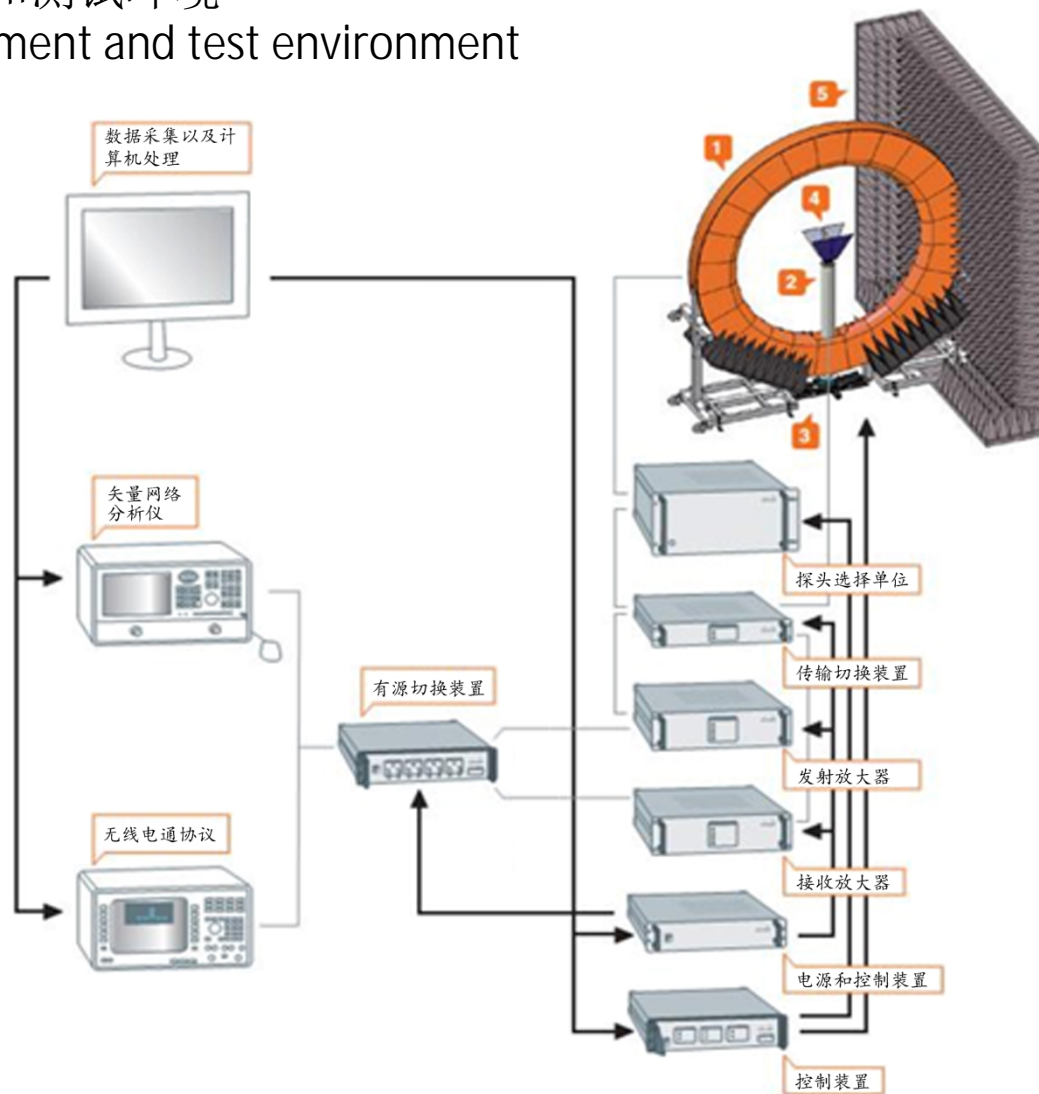
测 试 许高富

审 核 夏兴喜

日 期 2024-4-17

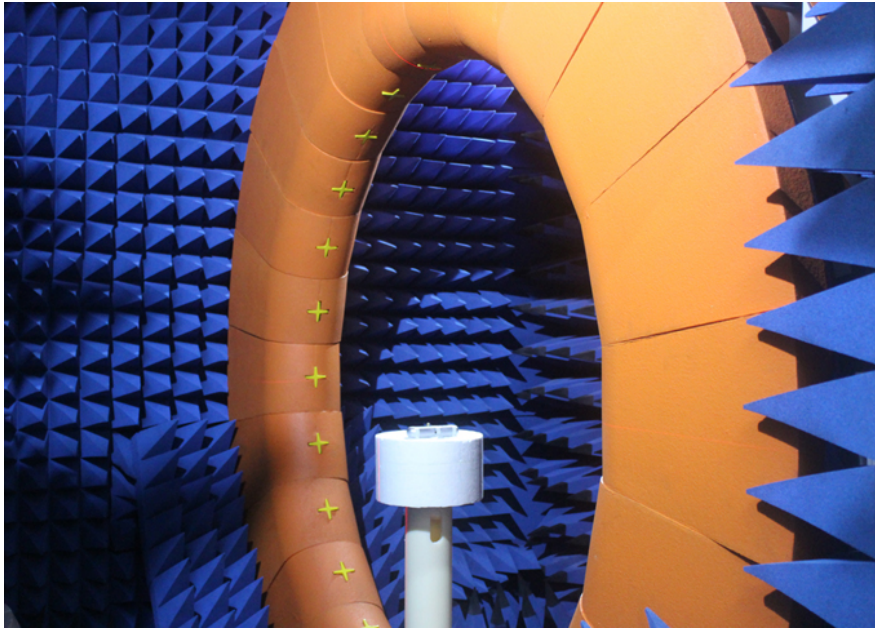
# 测试设备和测试环境

## Test equipment and test environment





## 测试设备 Test equipment



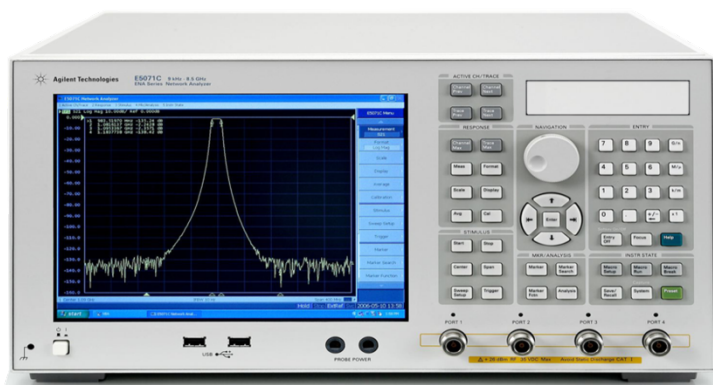
探头微波暗室

➤ 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





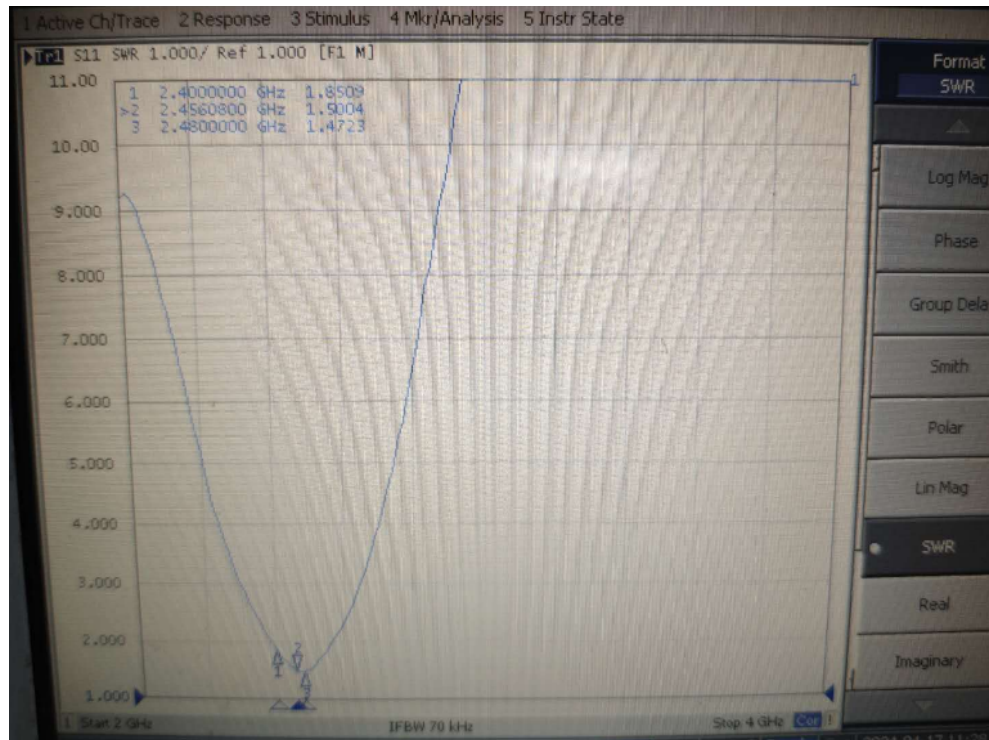
天线安装位置

Passive antenna data

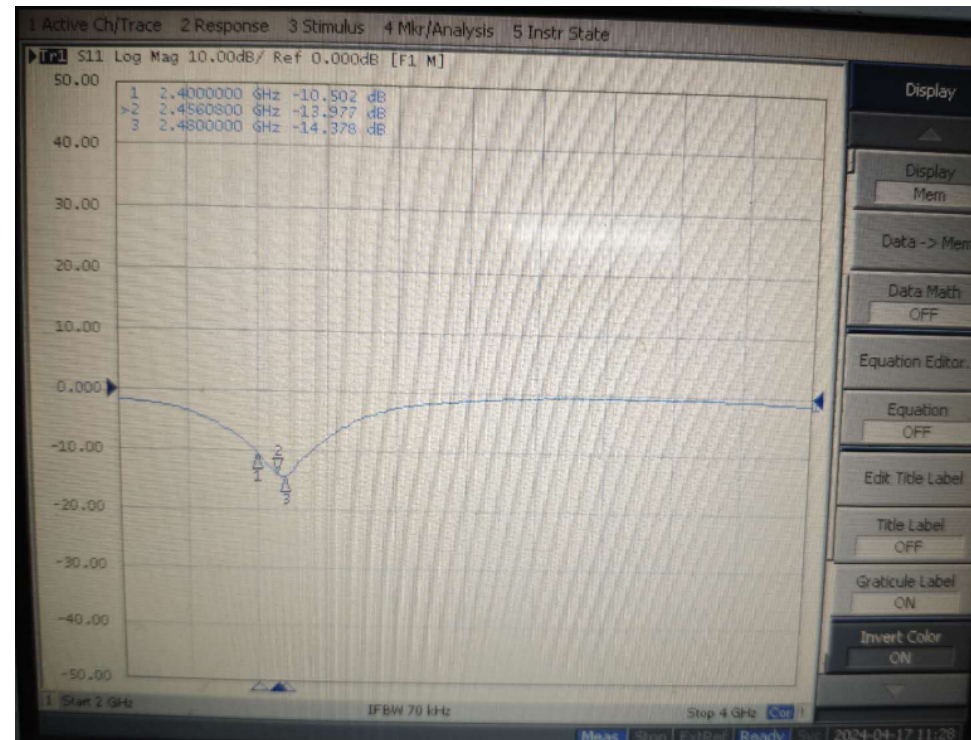


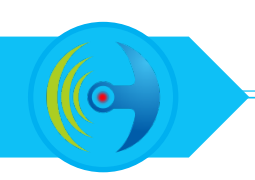


## 天线驻波比 Antenna SWR



## 天线回波损耗 Antenna Return loss

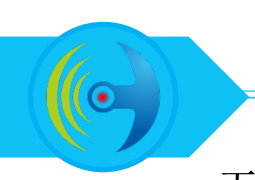




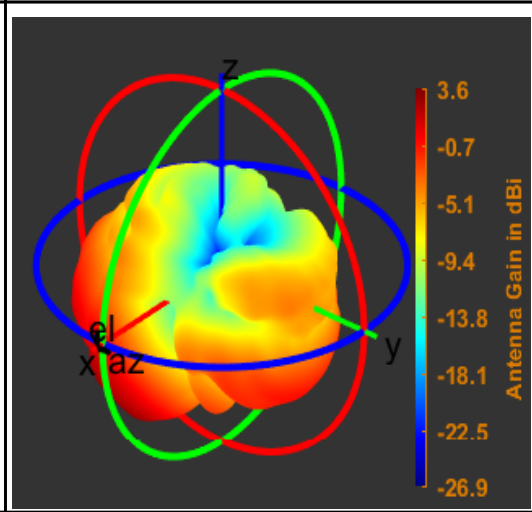
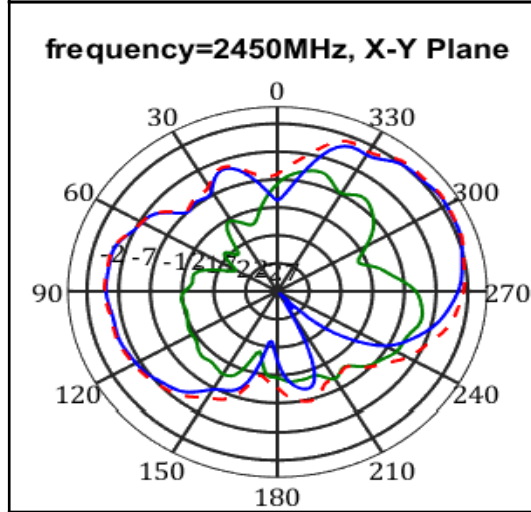
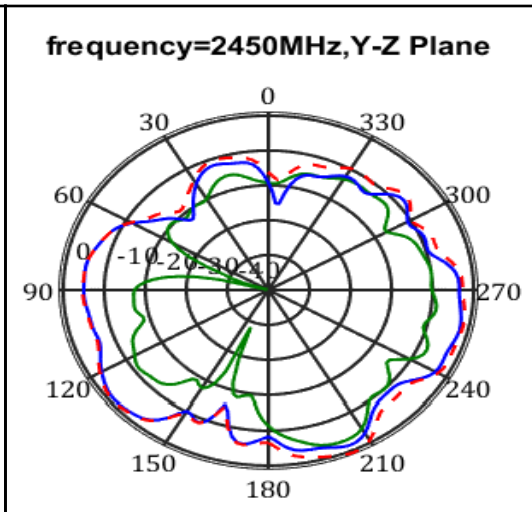
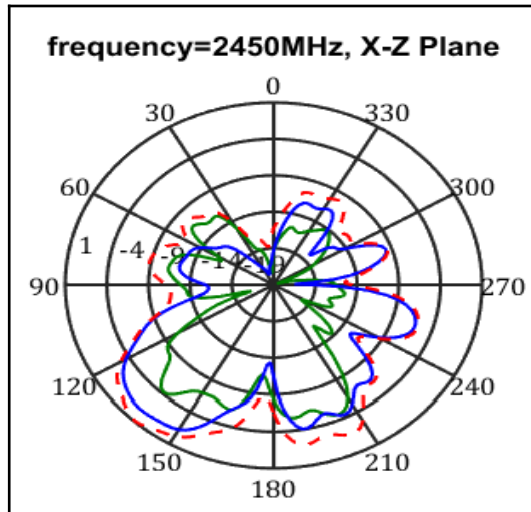
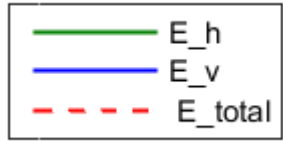
# 天线增益与效率

## Antenna gain and efficiency

天线		
Freq(MHz)	Efficiency (%)	Gain(dBi)
2400 MHz	30.87	2.46
2410 MHz	32.10	2.49
2420 MHz	33.37	2.54
2430 MHz	35.36	2.62
2440 MHz	36.34	2.87
2450 MHz	34.54	2.61
2460 MHz	33.82	2.55
2470 MHz	31.01	2.36
2480 MHz	28.95	2.40
2490 MHz	26.79	2.76
2500 MHz	25.33	2.83



# 天线辐射方向图 Antenna Radiation Pattern



1. 项目信息 Project Information

1.1. 外观尺寸 Appearance and Dimensions

