

# 专业天线服务商

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

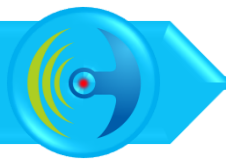
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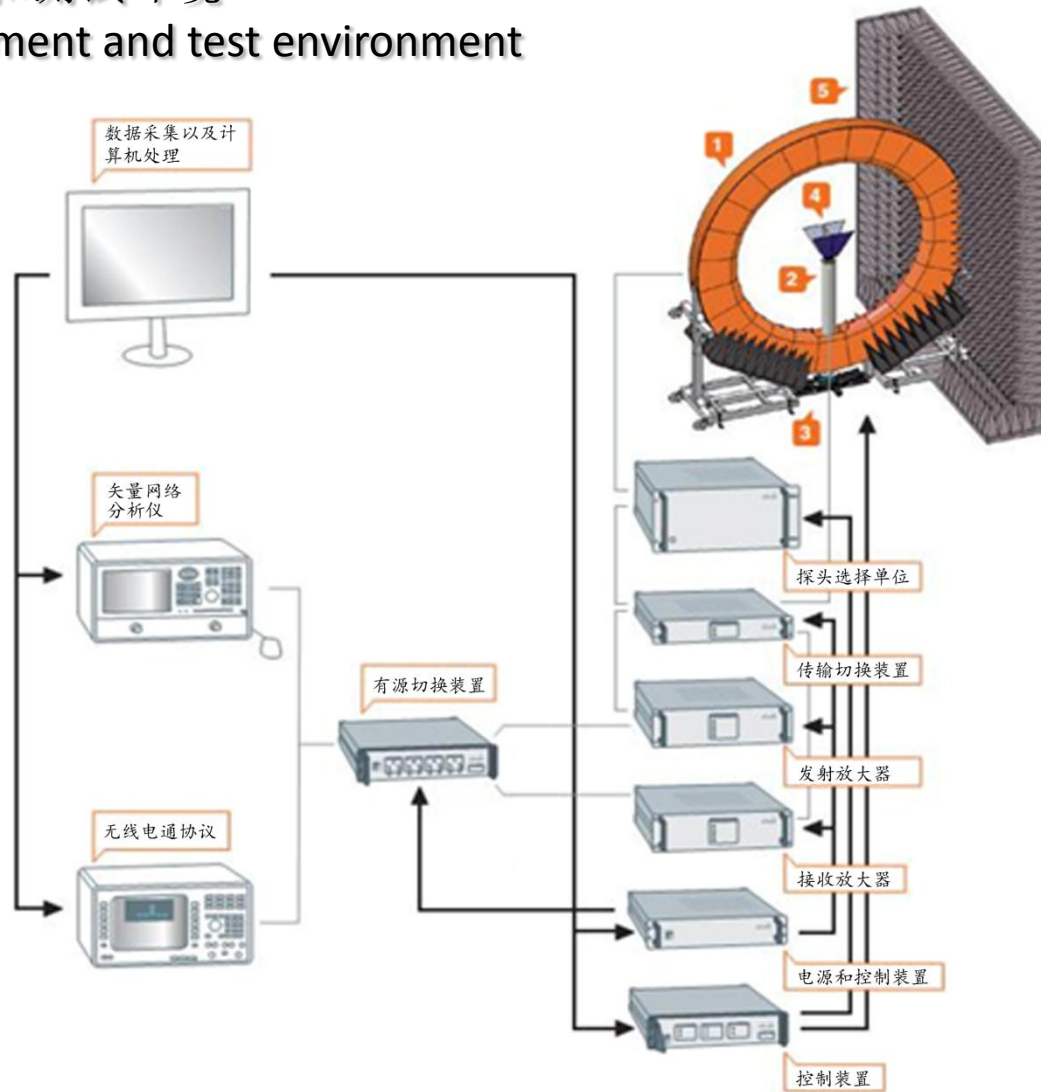
# 天线测试报告

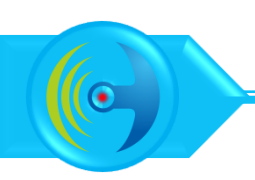
Antenna test report

项目型号	M185
天线型号	
测 试	许高富
审 核	夏兴喜
日 期	2023-9-18



# 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

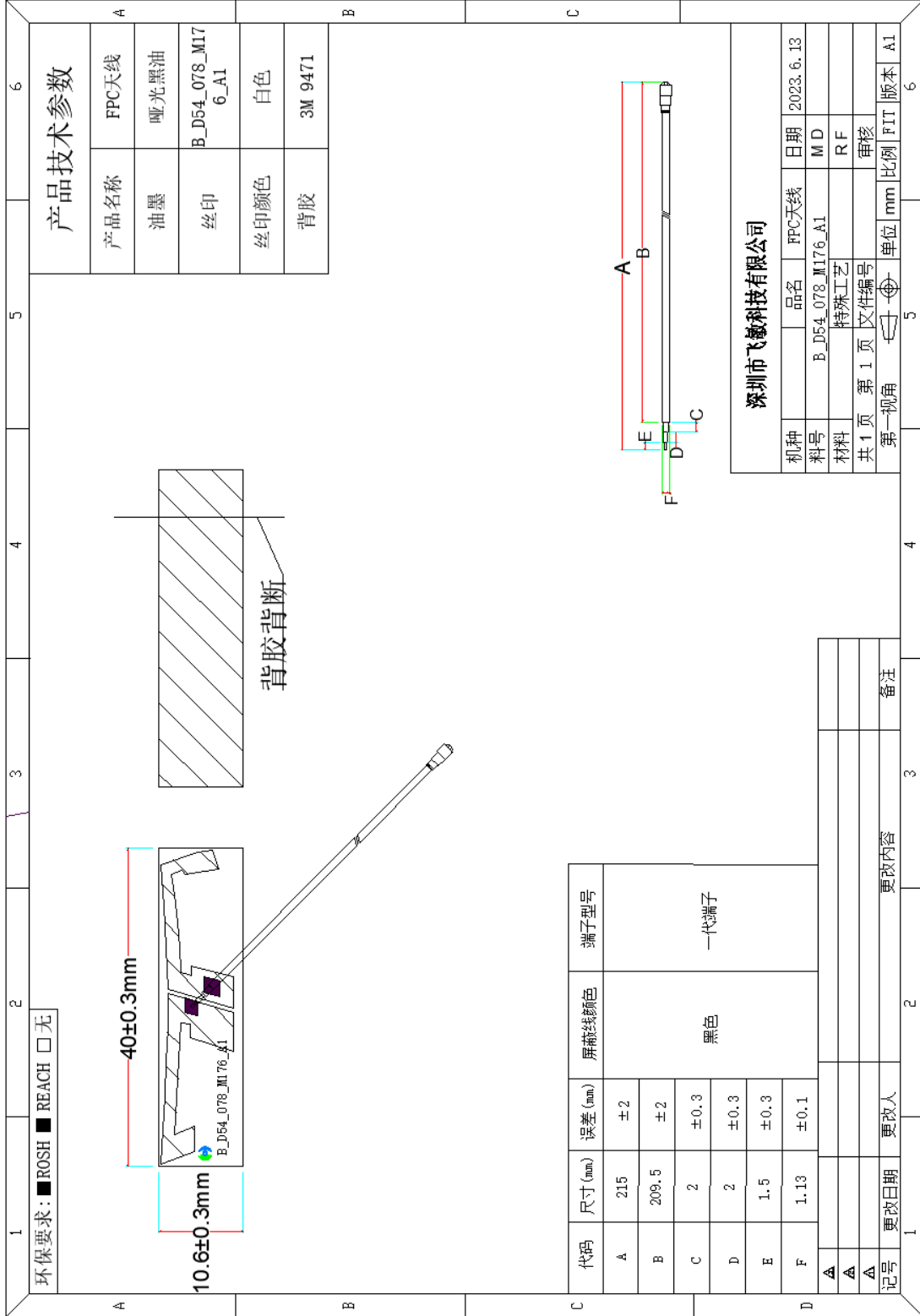
主要测试指标

- ◆ 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

# ANTENNA SPECIFICATION

## 项目信息 Project Information

### 外观尺寸 Appearance and Dimensions



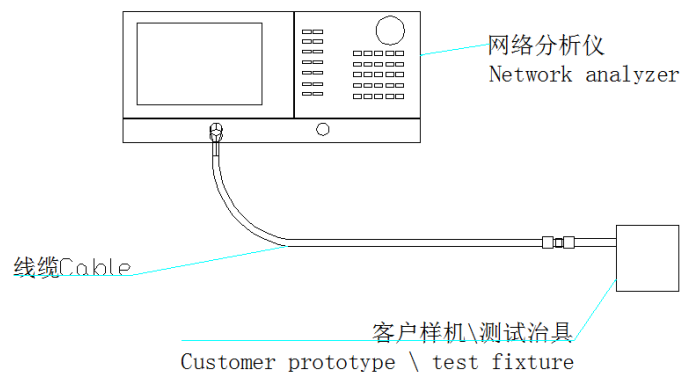
# ANTENNA SPECIFICATION

## 电气性能 Electrical Characteristics

### 测试环境条件 Test Environment Conditions

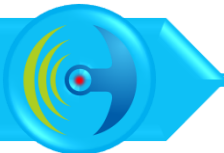
温度 Temperature	Ordinary Temperature (5 to 35°C)
湿度 Humidity	Ordinary Humidity (25 to 85% RH)

### 测试方法 Measurement method

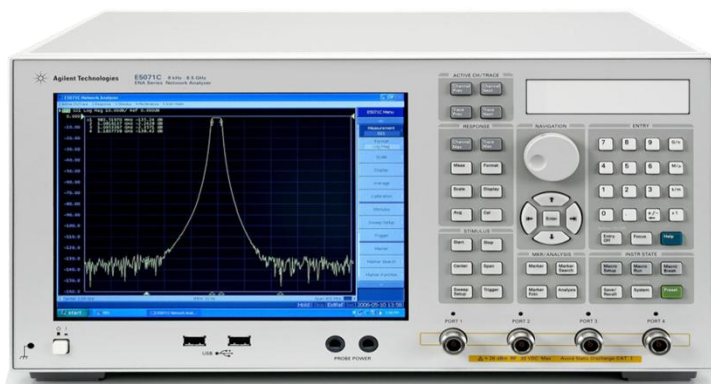


### 天线参数 Pictorial view

天线的主要参数 Main Technical Specifications			
频段 (MHz) Frequency Range	阻抗 ( $\Omega$ ) Impedence	极化方式 Polarization mode	匹配网络 Matching network
2400-2500	50	线极化 Line polarization	$\pi$ 型



## 测试设备 Test equipment



Agilent E5071C 矢量网络分析仪

- 频率：300 kHz至8.5GHz



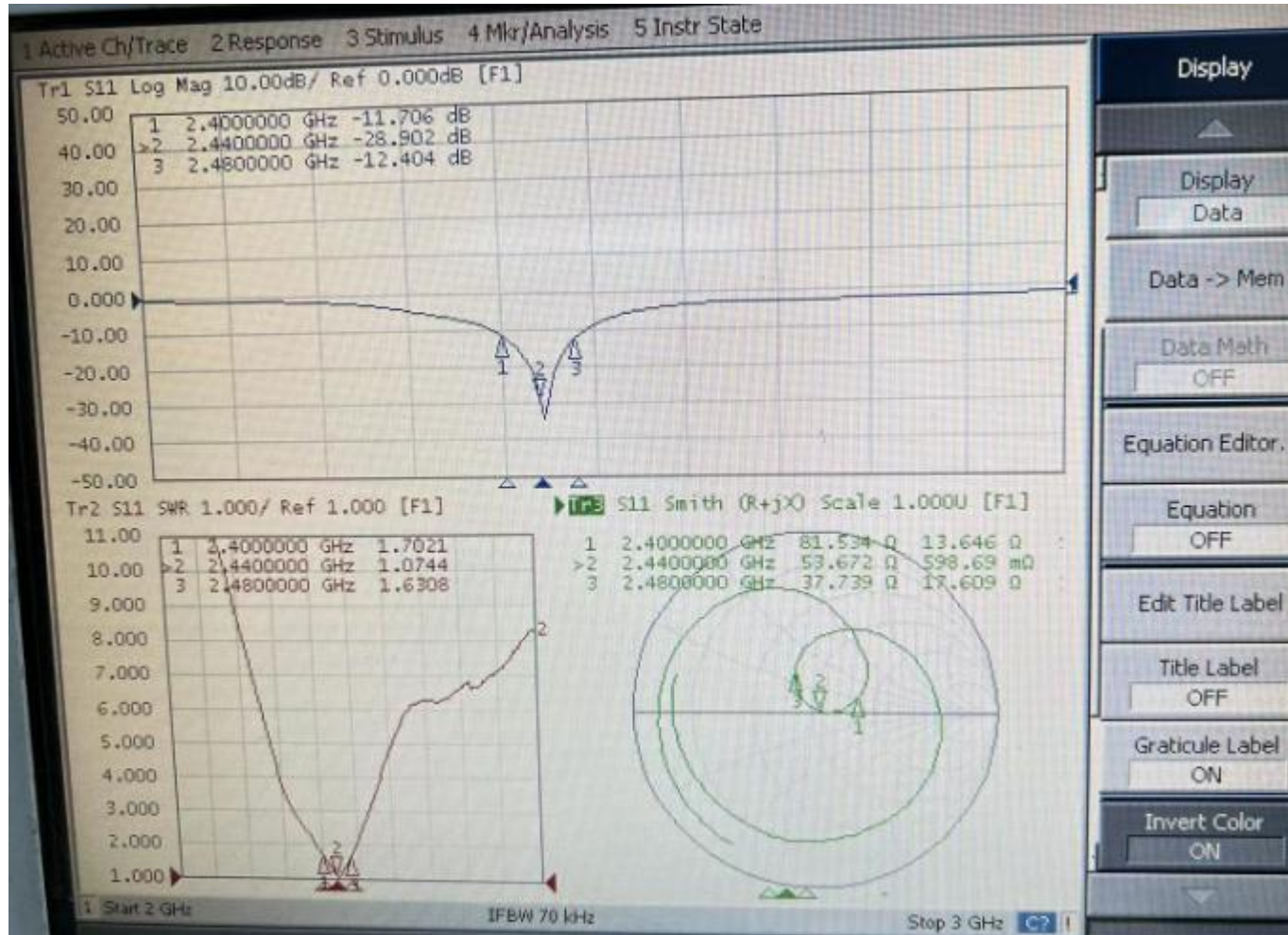
R&S CMW500 宽带无线通信测试仪

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

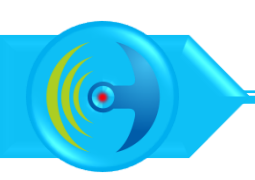


天线驻波比  
Antenna SWR

天线回波损耗  
Antenna Return loss





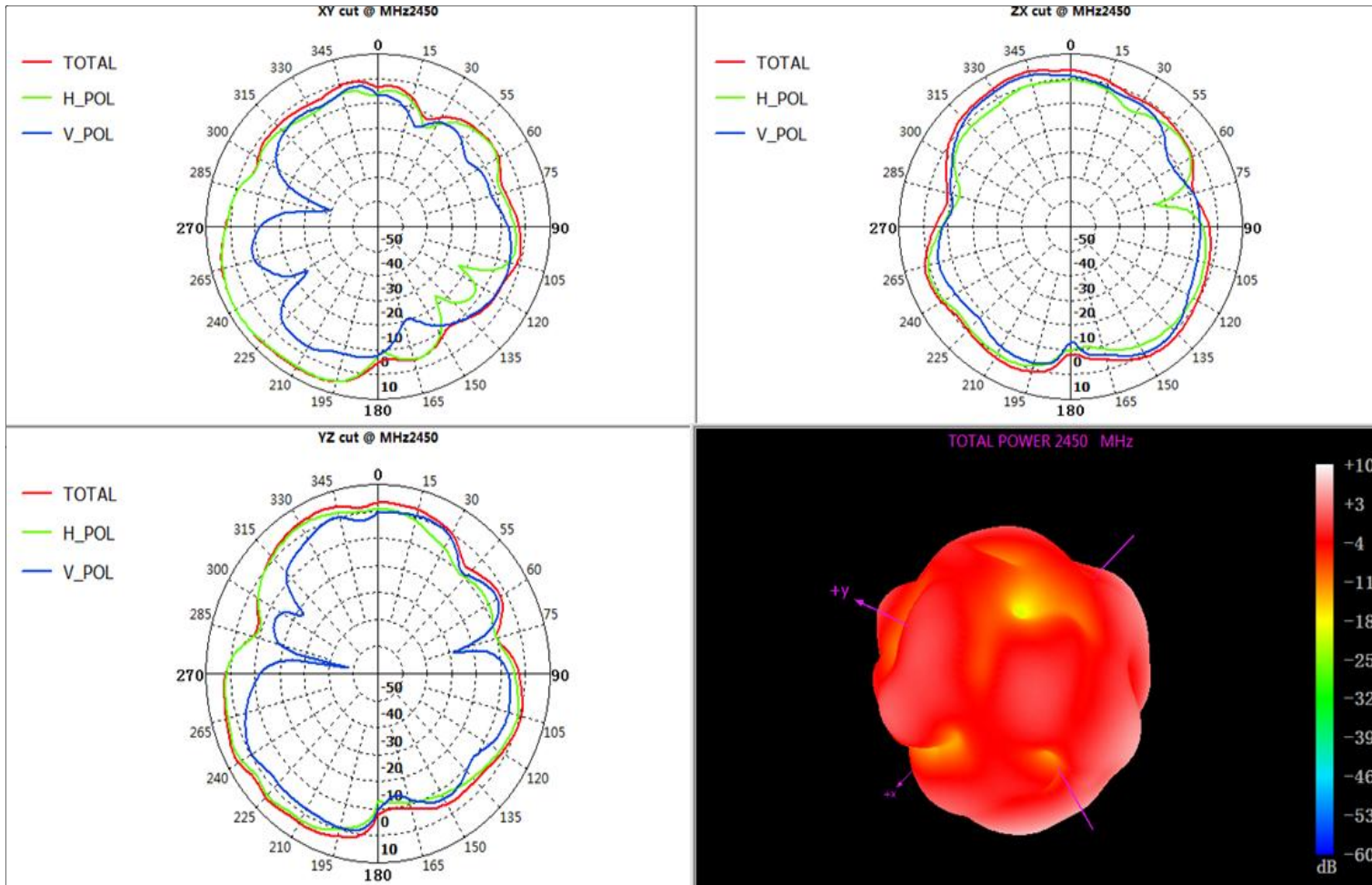


天线增益与效率  
Antenna gain and efficiency

天线		
Freq(MHz)	Efficiency (%)	Gain(dBi)
2400	48.05	3.30
2410	46.10	3.24
2420	48.10	3.31
2430	50.13	3.28
2440	52.21	3.20
2450	53.56	3.02
2460	54.83	3.04
2470	56.38	3.18
2480	57.74	3.22
2490	58.62	3.26
2500	60.28	3.27



# 天线辐射方向图 Antenna Radiation Pattern



**Thanks for your support !**  
**感谢您的支持！**

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