

# 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

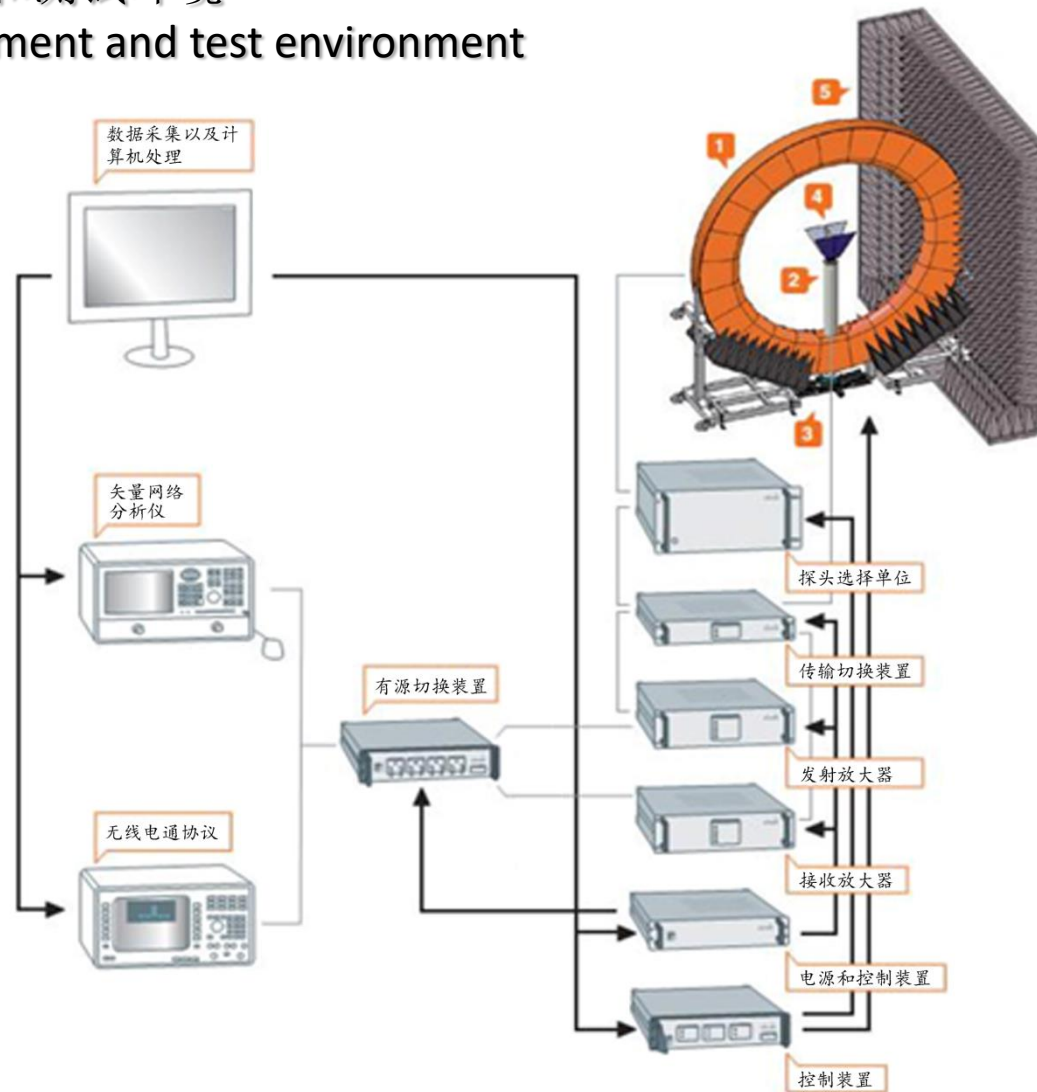
Antenna test report

|        |            |
|--------|------------|
| 项目型号   | P31        |
| 天线型号   |            |
| 测    试 | 魏月娥        |
| 审    核 | 夏兴喜        |
| 日    期 | 2022-08-29 |



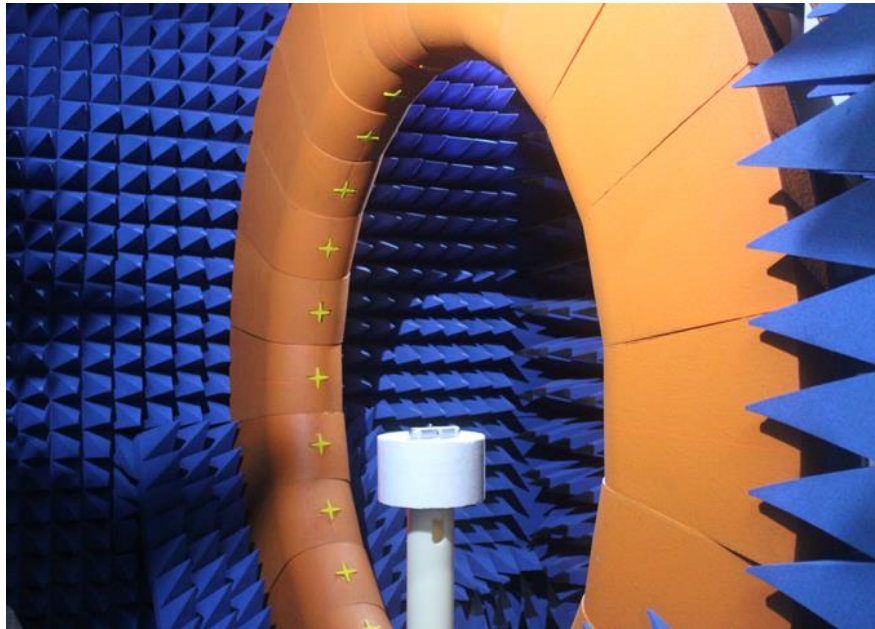
## 测试设备和测试环境

### Test equipment and test environment





## 测试设备 Test equipment



探头微波暗室

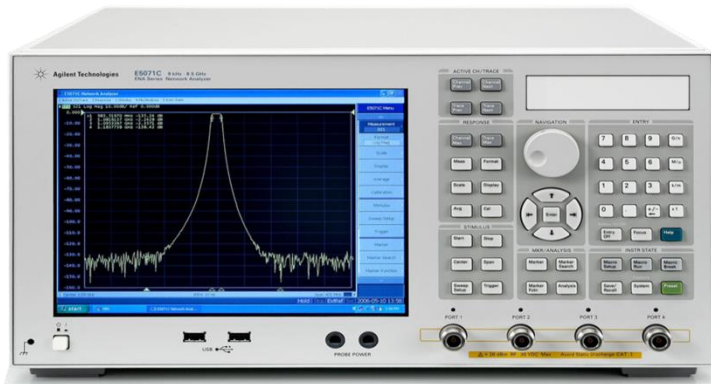
➤ 频率：0.4GHz至6GHz

## 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



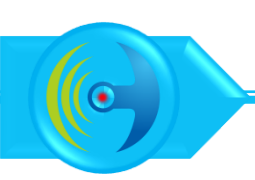
Agilent E5071C矢量网络分析仪

- 频率：300 kHz至8.5GHz

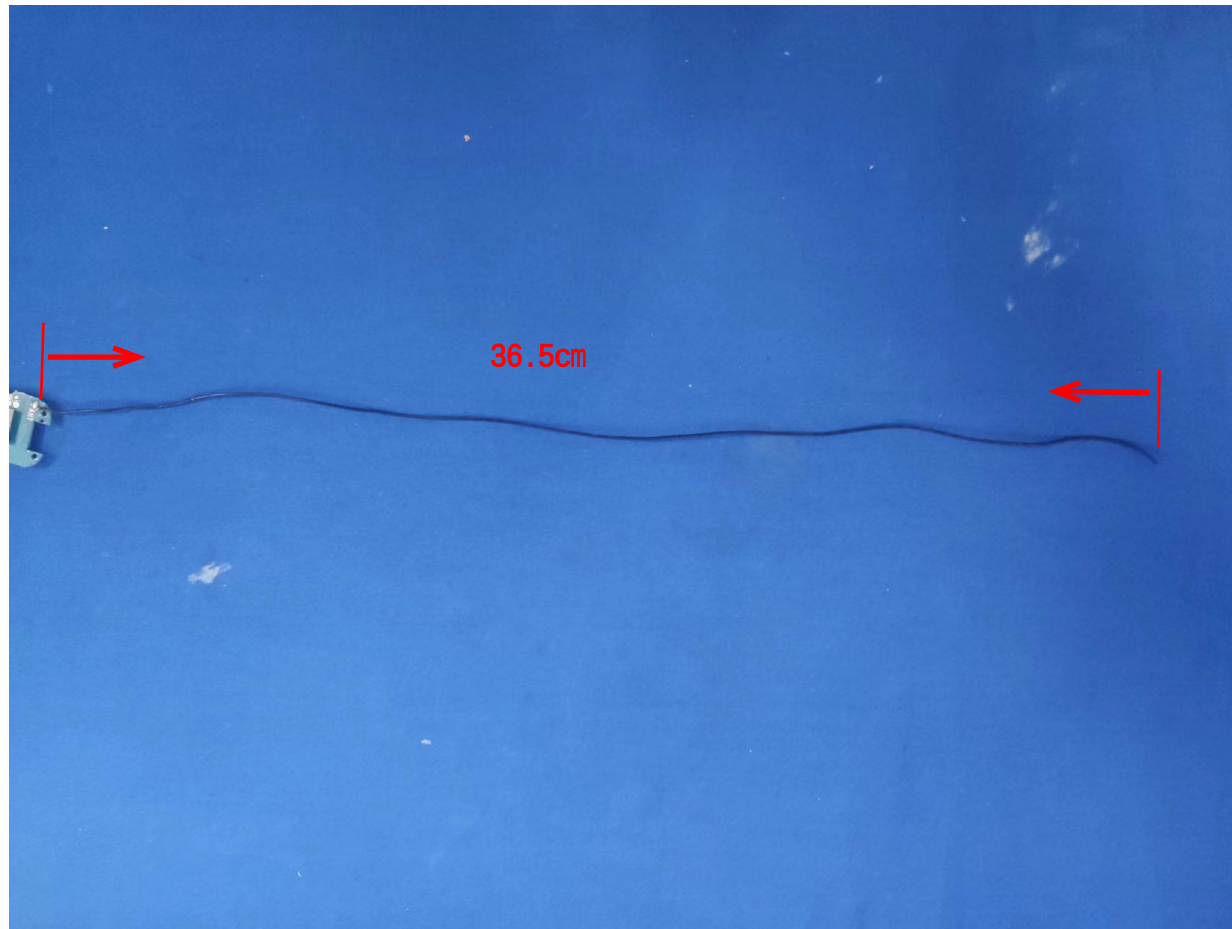


R&S CMW500 宽带无线通信测试仪

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



天线尺寸图  
Antenna Dimensions

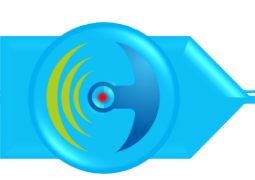




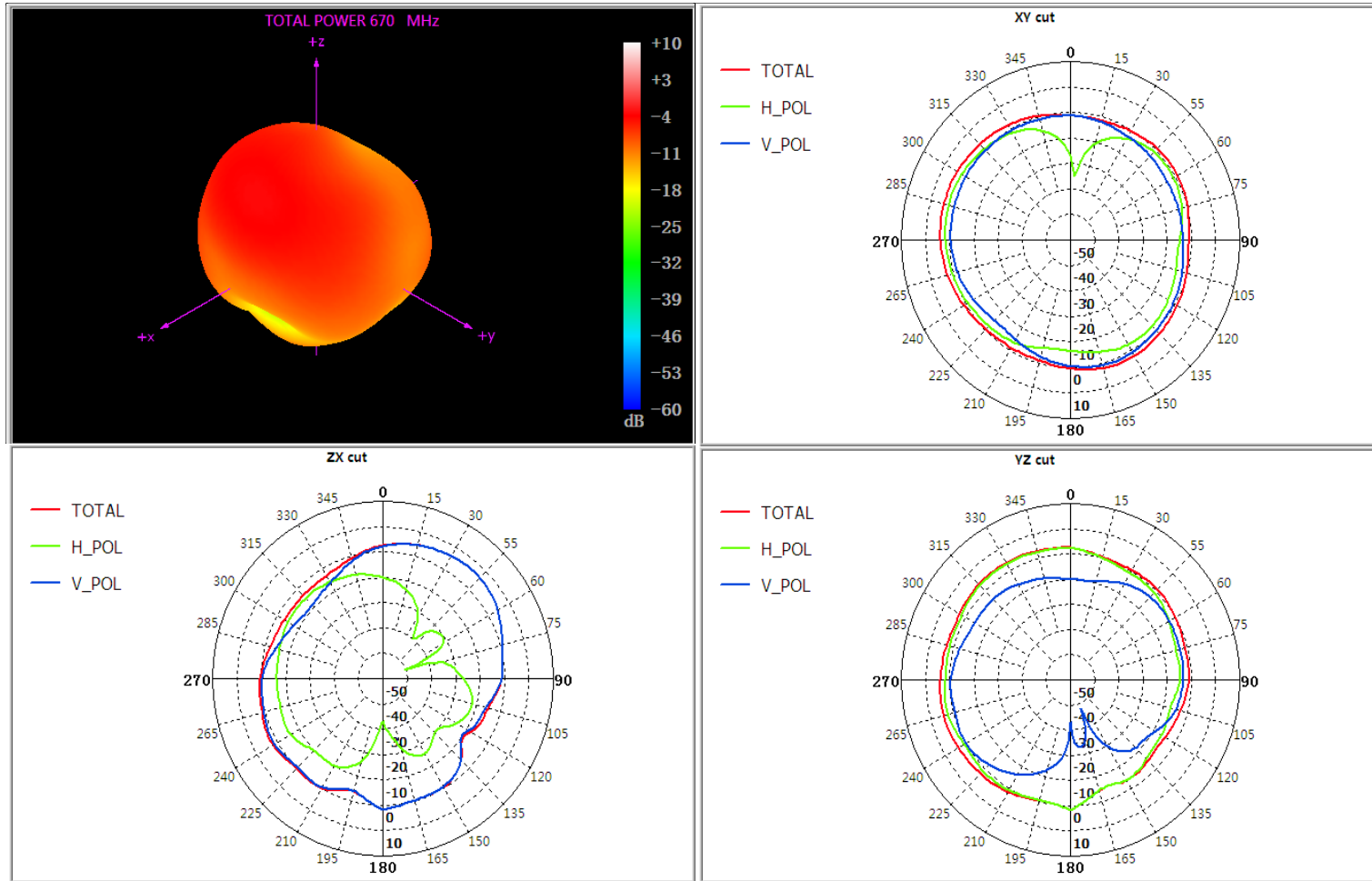
## 天线增益与效率

## Antenna gain and efficiency

| 天线        |                |           |
|-----------|----------------|-----------|
| Freq(MHz) | Efficiency (%) | Gian(dBi) |
| 657.0 MHz | 15.67          | -3.19     |
| 657.5 MHz | 14.83          | -3.17     |
| 658.0 MHz | 14.14          | -3.24     |
| 658.5 MHz | 16.41          | -2.53     |
| 659.0 MHz | 18.13          | -2.09     |
| 659.5 MHz | 15.75          | -2.71     |
| 660.0 MHz | 13.69          | -3.4      |
| 660.5 MHz | 11.57          | -4.23     |
| 661.0 MHz | 10.37          | -4.89     |
| 661.5 MHz | 9.25           | -5.34     |
| 662.0 MHz | 8.74           | -5.63     |
| 662.5 MHz | 8.39           | -5.01     |
| 663.0 MHz | 8.21           | -5.24     |



# 天线辐射方向图 Antenna Radiation Pattern



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

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