

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
Project model

VU01

客户名称
CustomerName

北京纽曼凤凰科技有限公司
Beijing Newman Phoenix Technology Co., Ltd.

测试工程师
Test Engineer

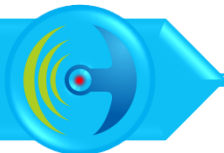
许高富 Gaofu Xu

审核工程师
Audit Engineer

杨权生Quan-sheng Yang

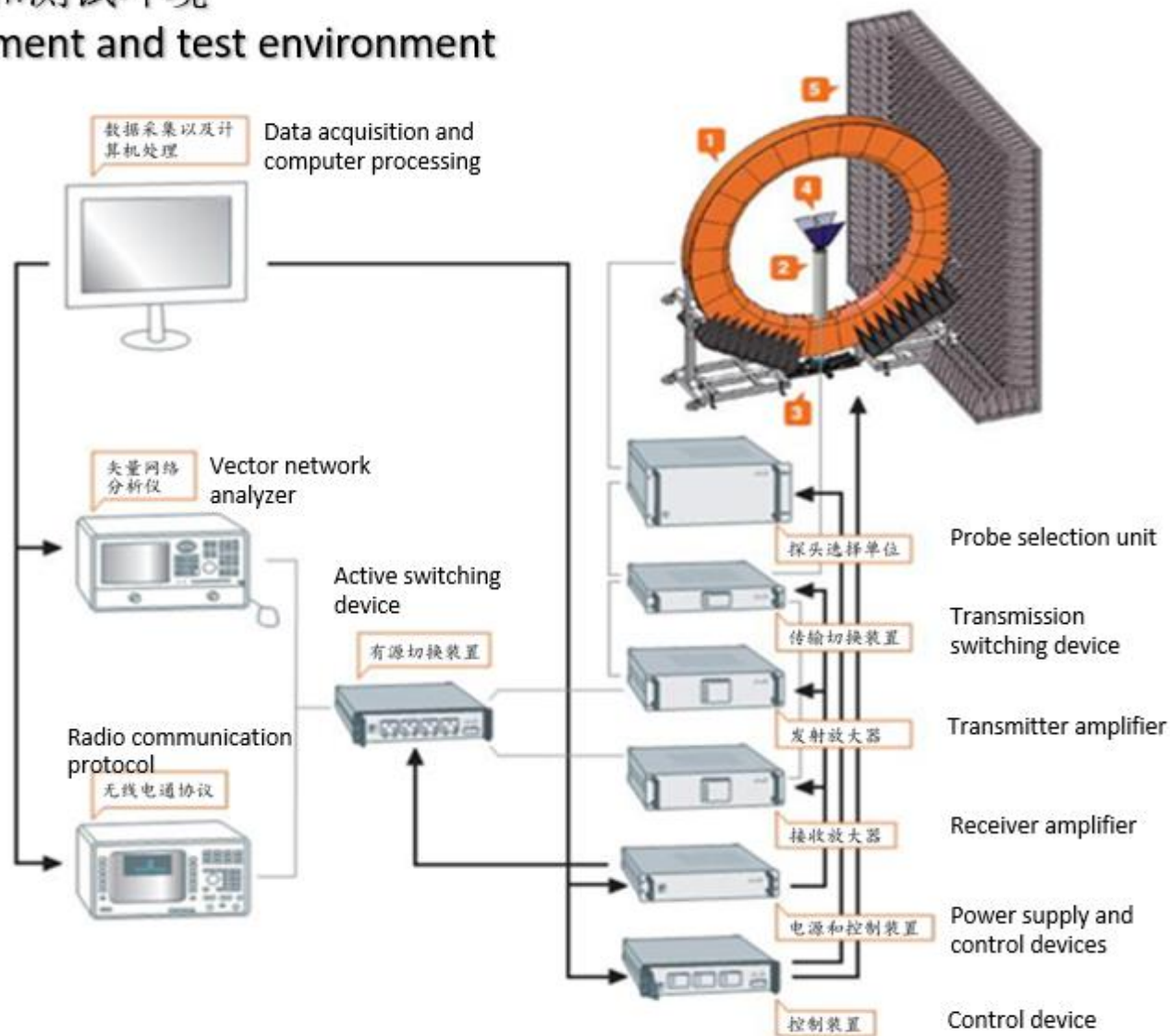
日期
date

2025-4-17



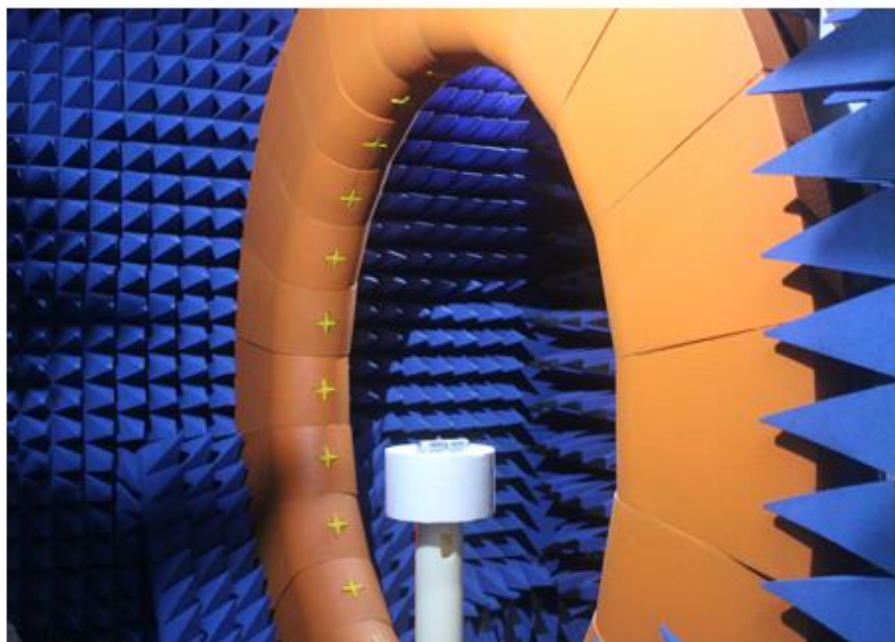
测试设备和测试环境

Test equipment and test environment





测试设备 Test equipment

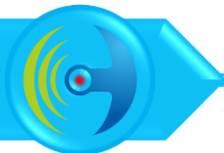


探头微波暗室 Probe microwave dark room

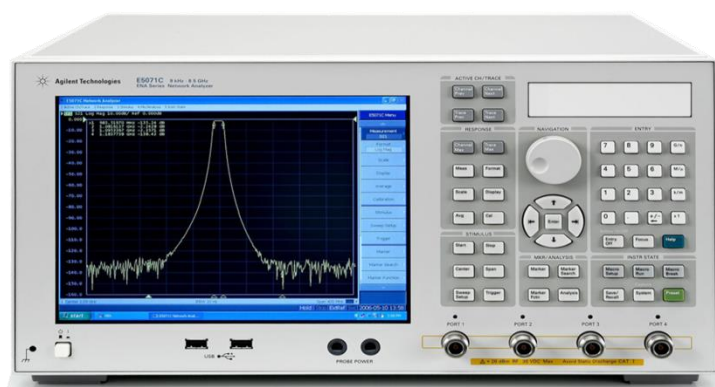
➤ 频率 Frequency : 0.4GHz~6GHz

主要测试指标 Main test indicators

- ◆ 无源指标 Passive indicators
 - ◆ 增益 gain
 - ◆ 效率 efficiency
 - ◆ 3D方向图 3D direction map
- 有源指标 Active indicators
 - TRP总辐射功率 TRP total radiated power
 - TIS总接收灵敏度 Total reception sensitivity of TIS



测试设备 Test equipment



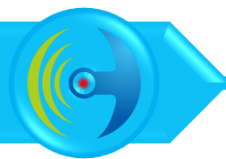
Agilent E5071C矢量网络分析仪
Vector network analyzer

- 频率Frequency : 300 kHz~8.5GHz



R&S CMW500 宽带无线通信测试仪
Broadband wireless communication
tester

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

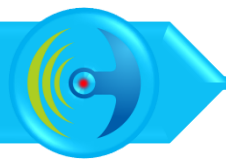


天线安装位置

Passive antenna data

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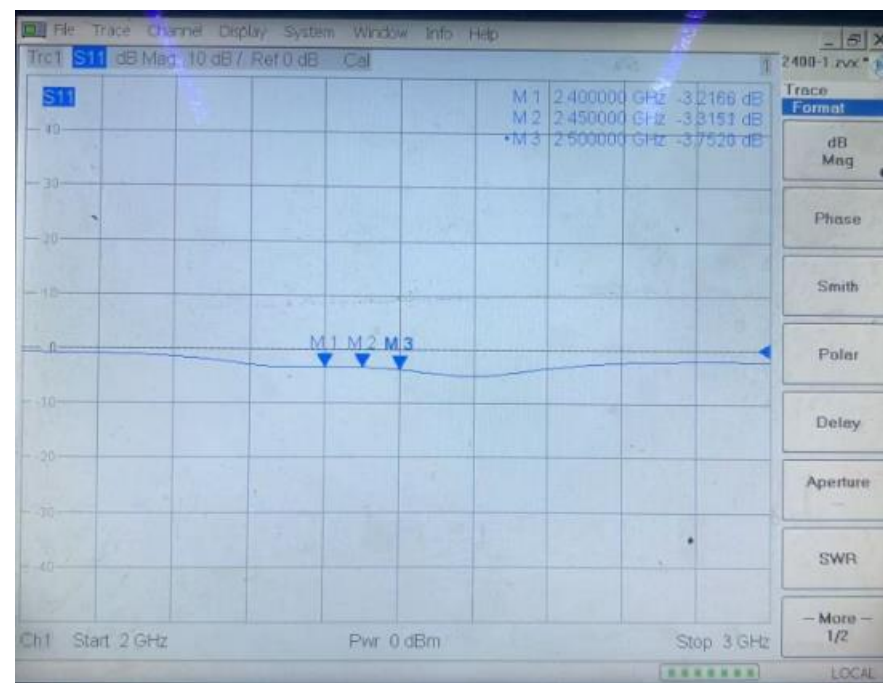
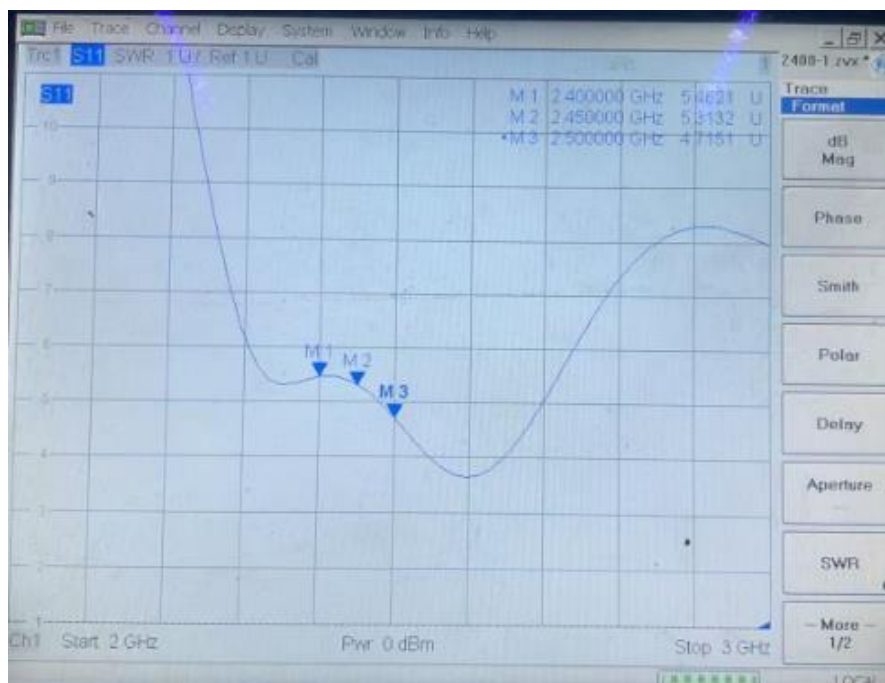




天线驻波比
Antenna SWR

天线回波损耗
Antenna Return loss

VU01





天线增益与效率

Antenna gain and efficiency

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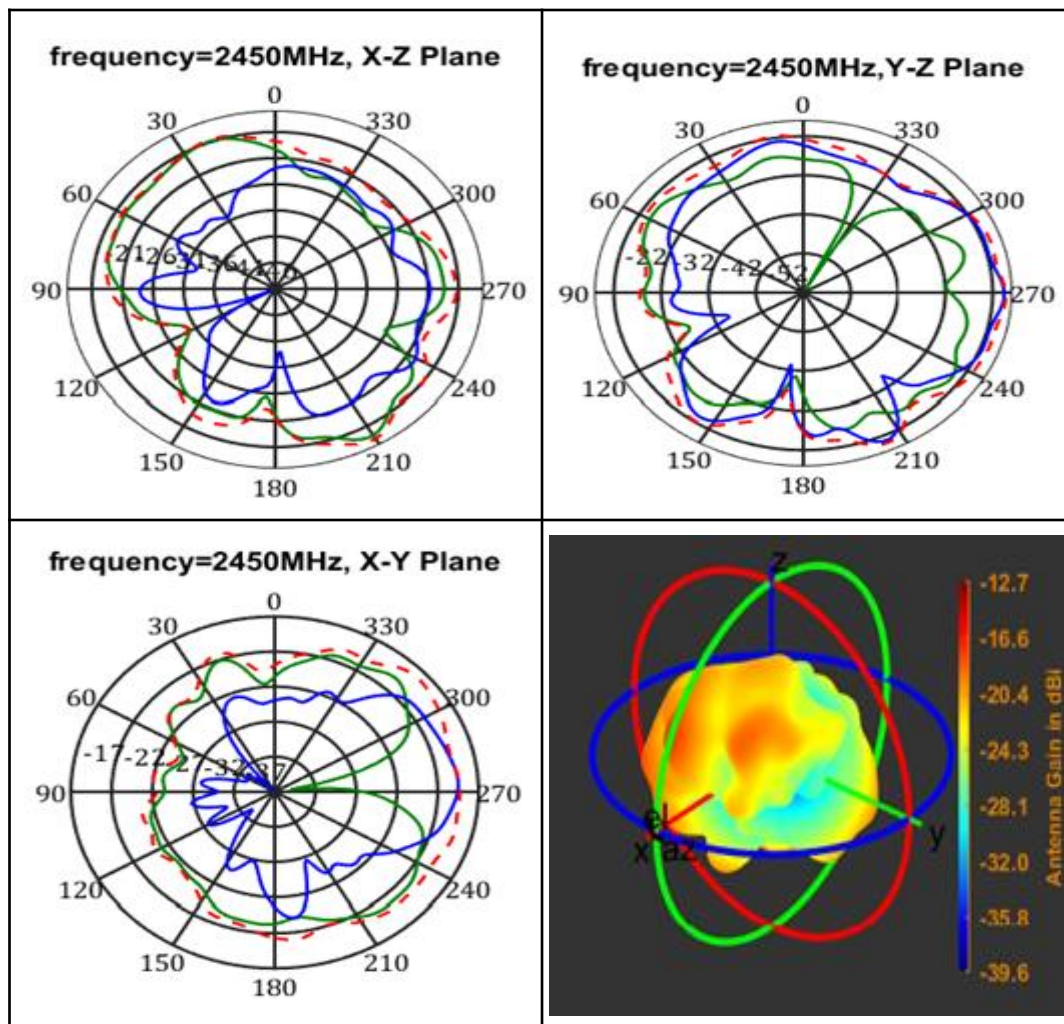
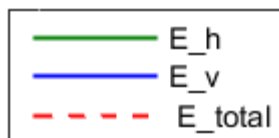
Freq(MHz)	Efficiency (%)	Gian(dBi)
2400	9.06	-14.07
2410	8.47	-14.23
2420	8.69	-13.29
2430	8.67	-13.00
2440	8.28	-12.94
2450	7.99	-12.73
2460	7.69	-12.38
2470	8.13	-11.70
2480	7.74	-11.72
2490	7.53	-11.23
2500	7.69	-10.31



天线辐射方向图

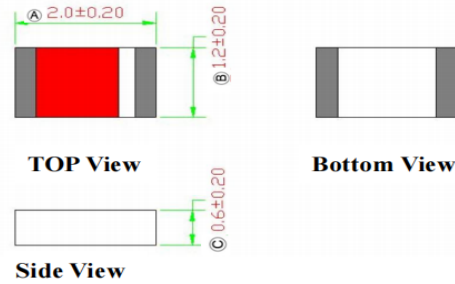
Antenna Radiation Pattern

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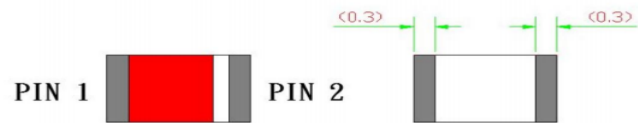
天线尺寸参数

a) Antenna Dimensions



Unit: mm

b) PIN Definition



Unit: mm

PIN	1	2
Soldering Pad	Signal Input	Tuning/Signal Output

Thanks for your support!
感谢您的支持!

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