

专业天线服务商

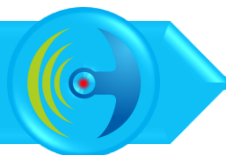
深圳市飞敏科技有限公司
SHENZHEN FEIMIN TECHNOLOGY CO., LTD.



天线测试报告

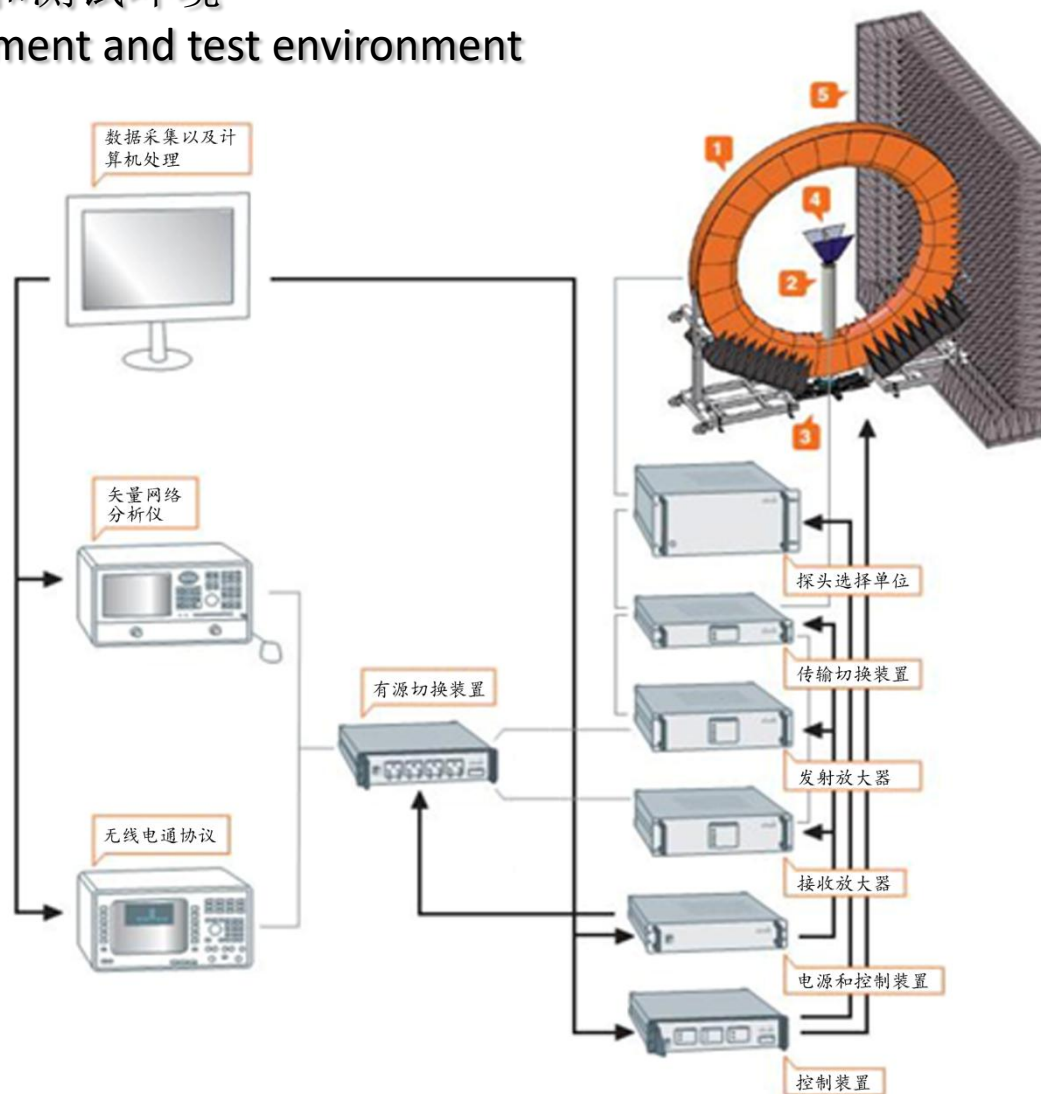
Antenna test report

项目型号	BM5RW
天线型号	
测 试	许高富
审 核	陈泽雄
日 期	2025-12-13



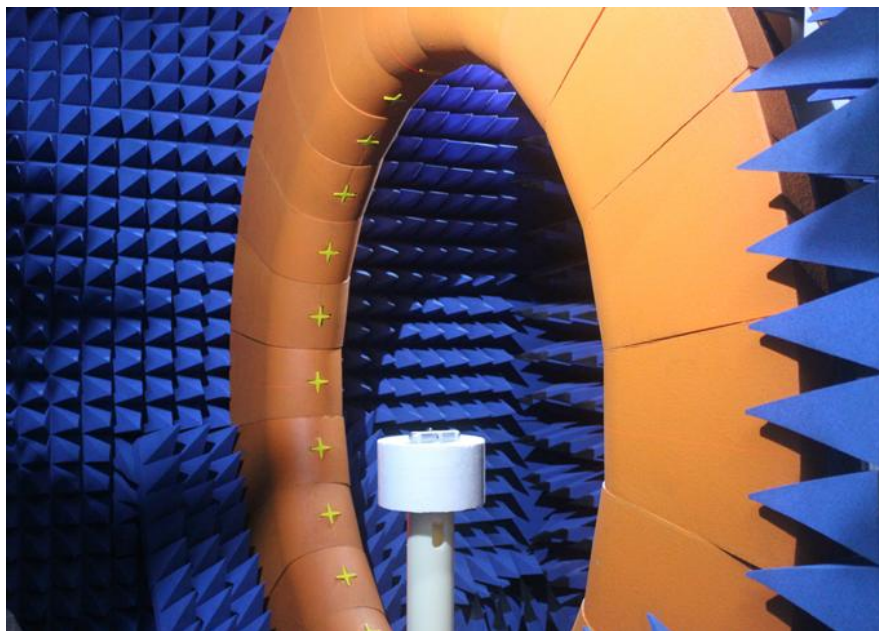
测试设备和测试环境

Test equipment and test environment





测试设备 Test equipment



探头微波暗室

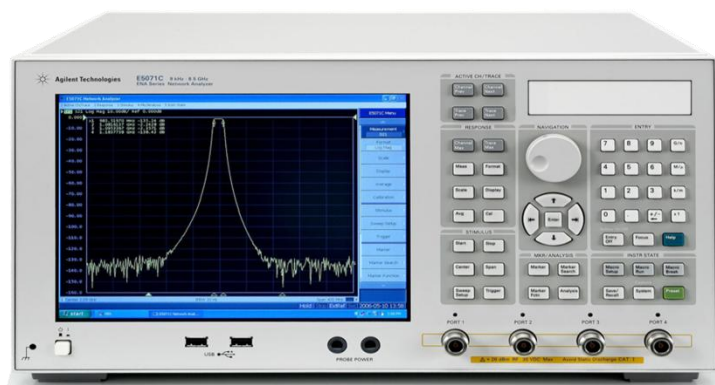
➤ 频率：0.4GHz至6GHz

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



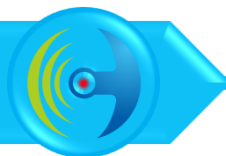
Agilent E5071C矢量网络分析仪

- 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

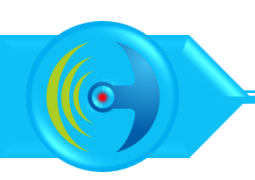


天线安装位置
Passive antenna data

Camera

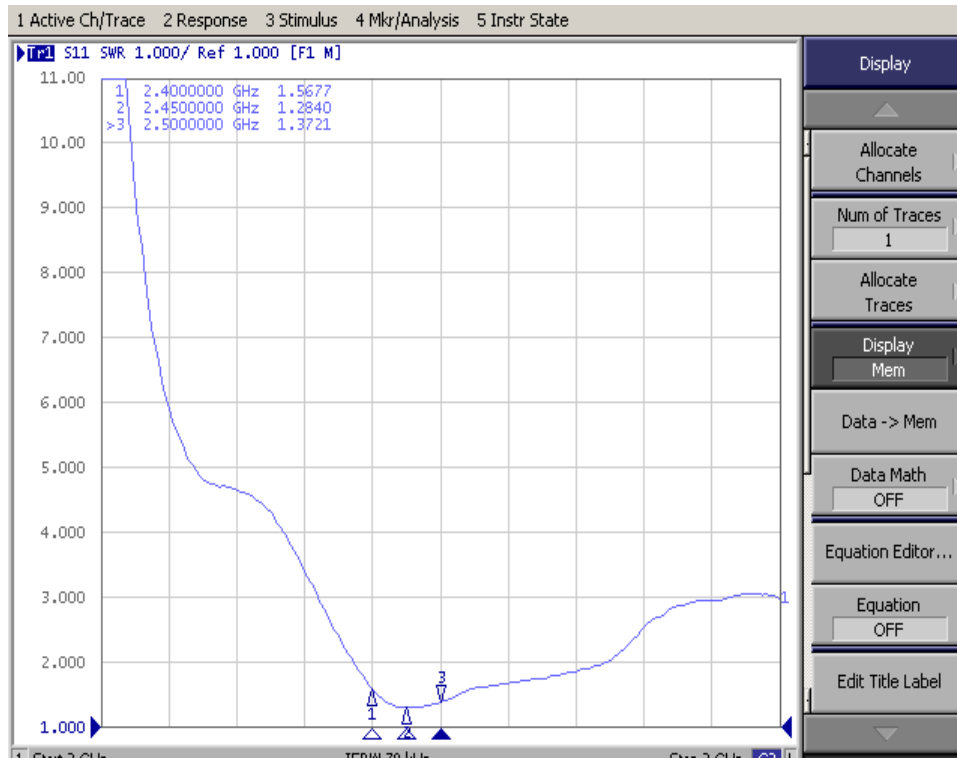
Antenna assembly position and method



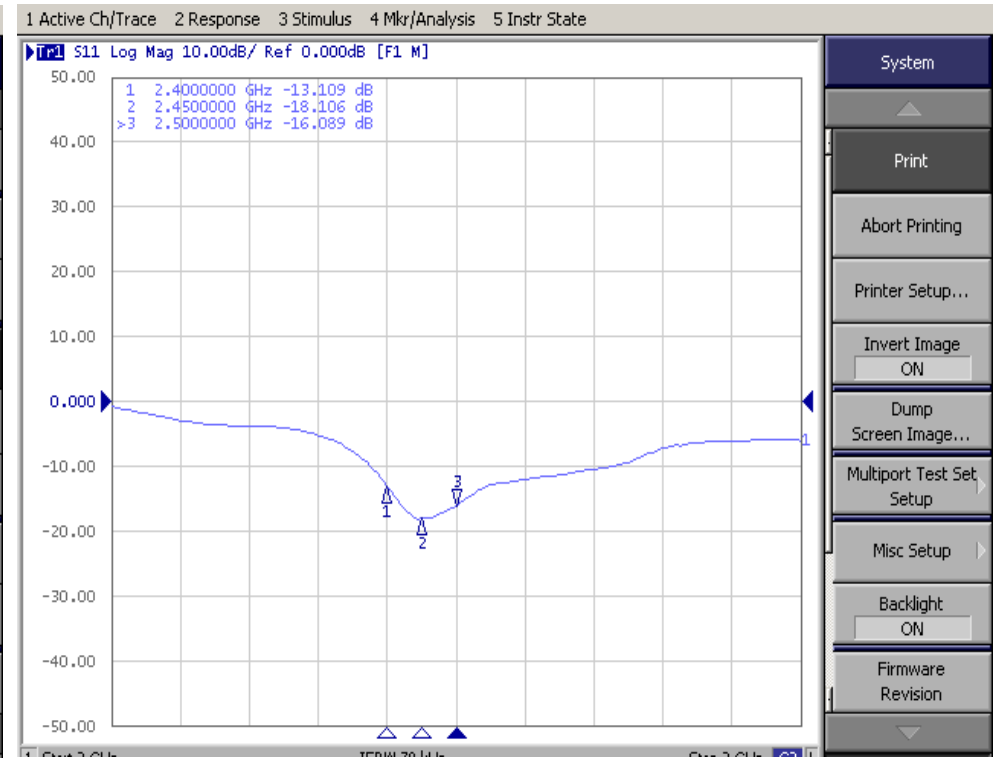


Camera

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

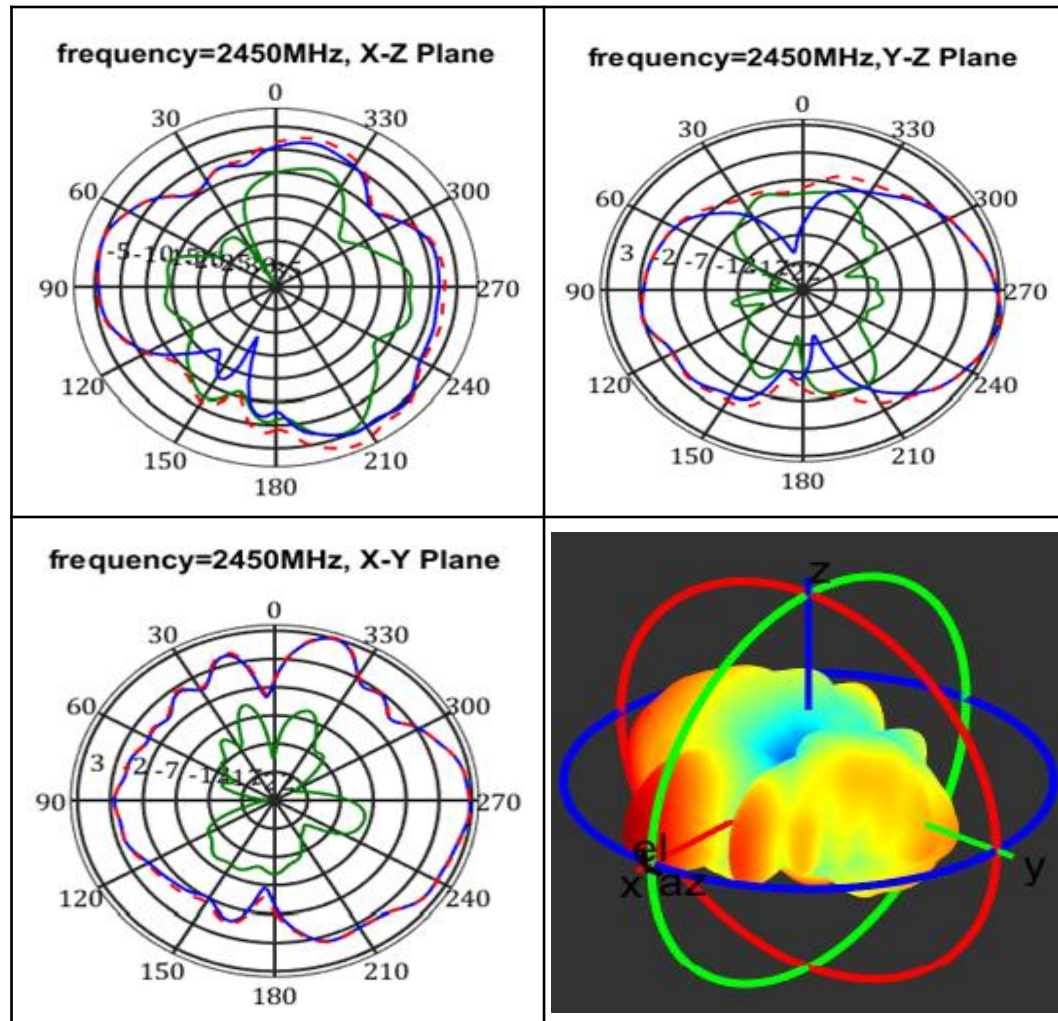
Camera

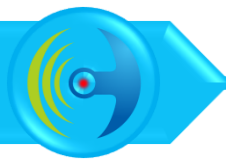
Freq(MHz)	Efficiency (%)	Gian(dBi)
2400	48.28	1.72
2410	49.40	1.96
2420	49.97	2.06
2430	51.61	2.23
2440	52.65	2.31
2450	52.65	2.34
2460	52.23	2.23
2470	49.50	2.18
2480	48.30	2.03
2490	48.43	1.83
2500	48.83	1.93



Antenna Radiation Pattern

Camera





OTA 有源数据 (TIS, TRP)
OTA Active data

Camera



OTA测试数据			
模式(mode)	信道(channel)	TRP	TIS
802.11b 2.4G 11Mbps	CH 1	14.99	-83.21
	CH 6	15.46	-83.47
	CH 11	15.33	-82.92

Thanks for your support!
感谢您的支持!

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