

专业天线服务商 Professional Antenna Service Provider

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



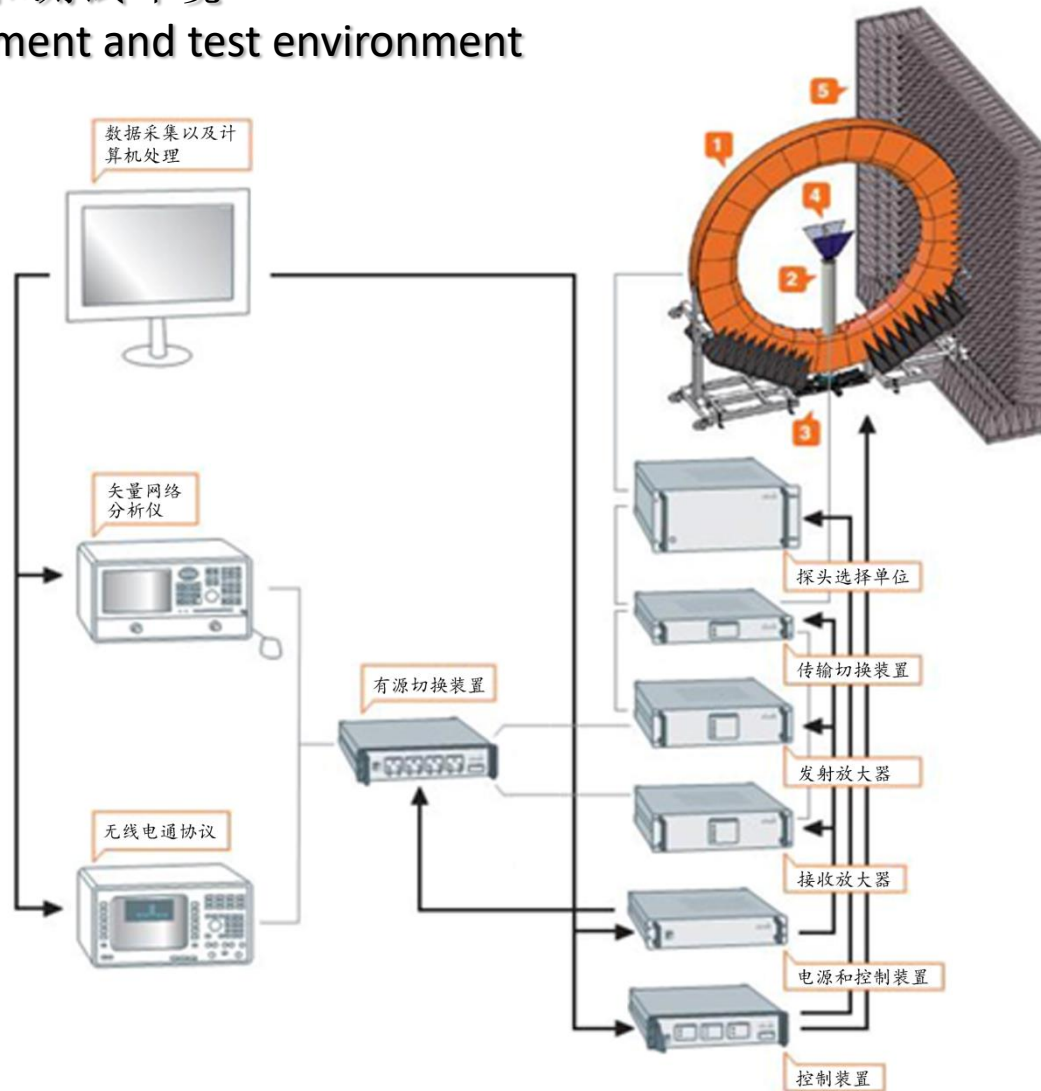
天线测试报告

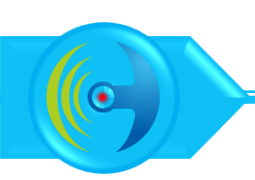
Antenna test report

项目型号/Project model	AQUA10
Test/测试	魏月娥/Wei Yue'e
审核/Audit	夏兴喜/Xia Xingxi
日期/Date	2022-07-27

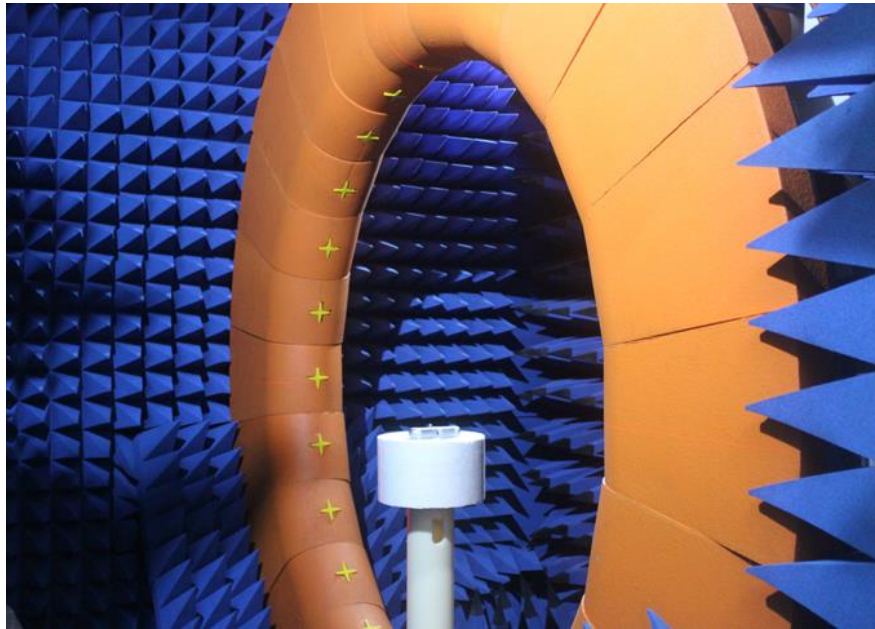


测试设备和测试环境 Test equipment and test environment





测试设备 Test equipment

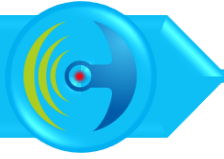


探头微波暗室/Probe anechoic chamber

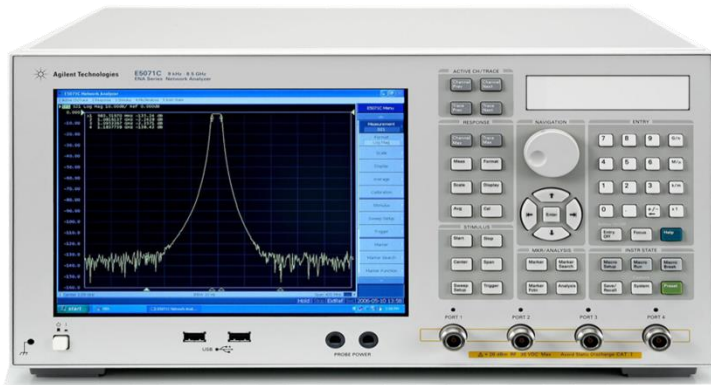
- 频率: 0.4GHz至6GHz
Frequency: 0.4GHz to 6GHz

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 orientation map
- 有源指标/Active indicators
 - TRP总辐射功率/TRP total radiated power
 - TIS总接收灵敏度/TIS total receive sensitivity



测试设备 Test equipment



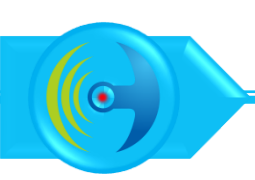
Agilent E5071C 矢量网络分析仪
Agilent E5071C Vector Network Analyzer

- 频率: 300 kHz至8.5GHz
Frequency: 300 kHz to 8.5GHz

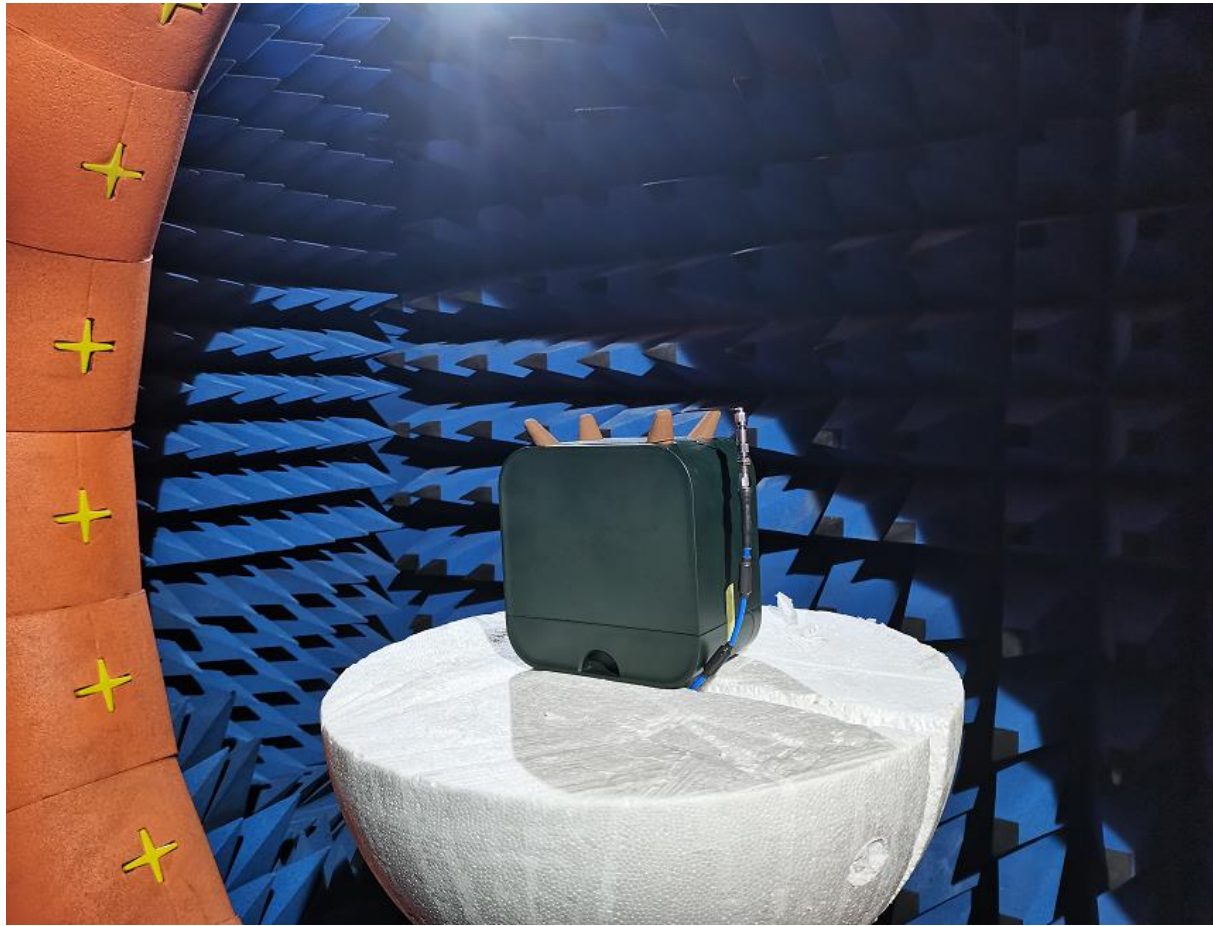


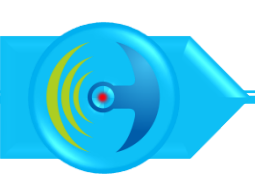
R&S CMW500 宽带无线通信测试仪
R&S CMW500 Broadband Wireless
Communication Tester

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



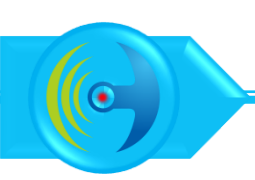
测试拍照
Test photos



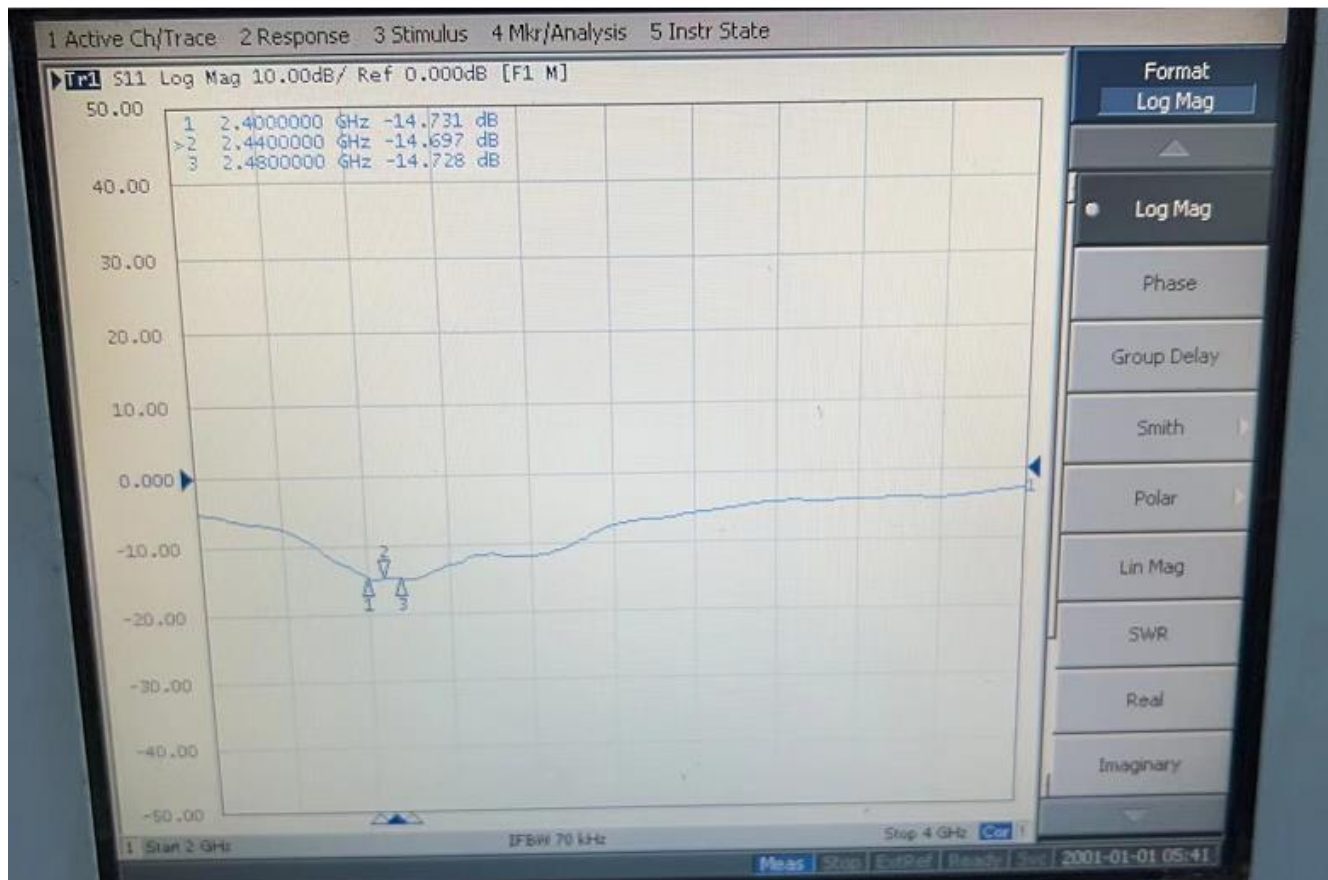


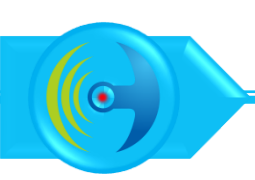
天线驻波比 Antenna SWR





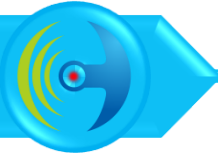
天线回波损耗 Antenna Return loss



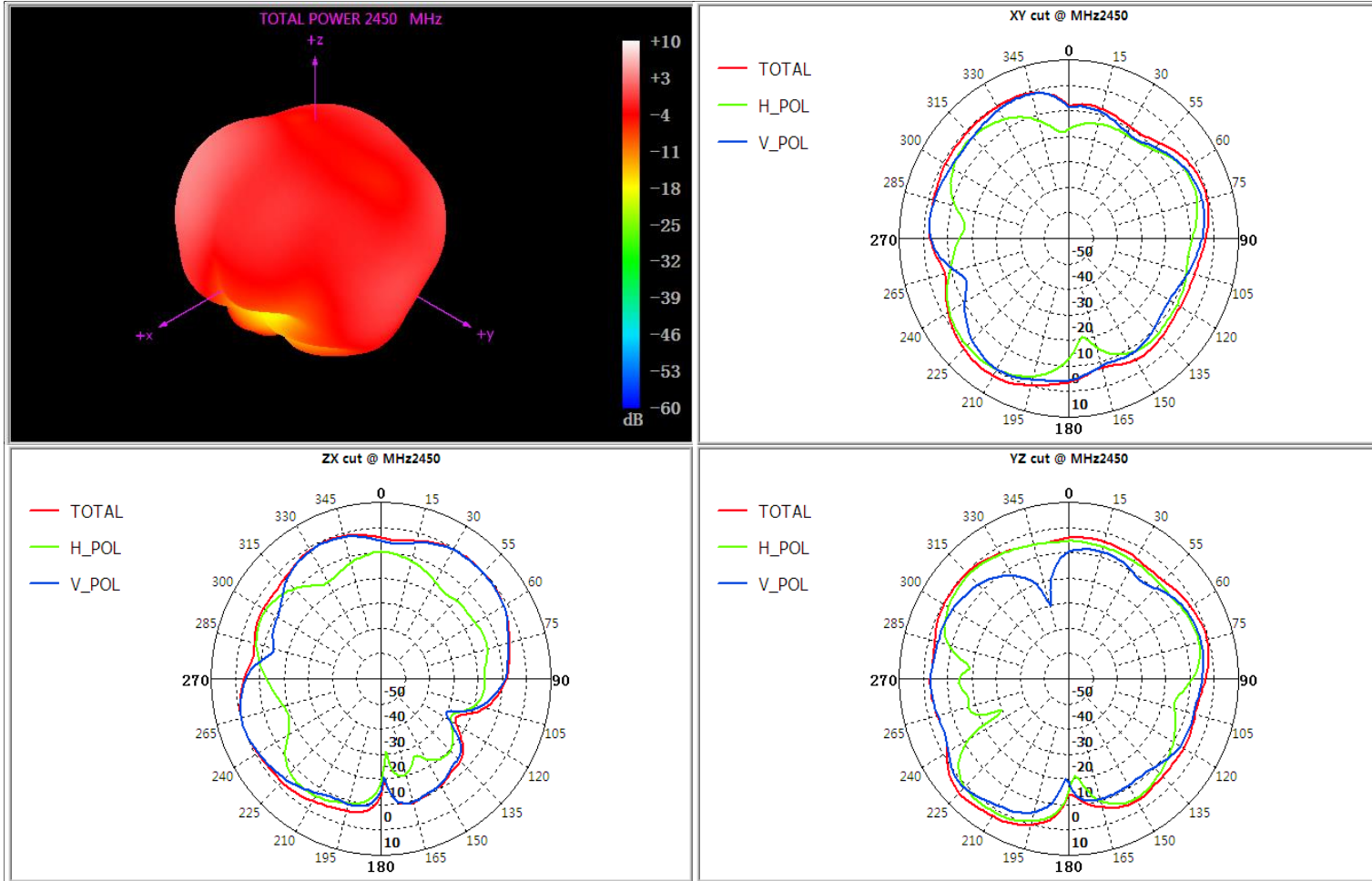


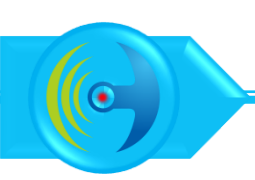
天线增益与效率
Antenna gain and efficiency

天线/ANT		
Freq(MHz)	Efficiency (%)	Gian(dBi)
2400	38.96	1.05
2410	39.51	1.16
2420	43.39	1.23
2430	44.08	1.46
2440	44.22	1.50
2450	44.13	1.46
2460	43.85	1.38
2470	44.39	1.39
2480	43.68	1.31
2490	43.59	1.31
2500	43.01	1.37



天线辐射方向图 Antenna Radiation Pattern





OTA 有源数据 (TIS, TRP)
OTA Active data

1#		
信道 (channel)	TRP	TIS
CH 0	0.41	-86.31
CH 39	-1.02	-87.08
CH 78	-1.08	-85.44

Thanks for your support!
感谢您的支持!

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