Antenna specification

深 圳 市 飞 敏 科 技 有 限 公 司

SHENZHEN FEIMIN TECHNOLOGY CO.,LTD.

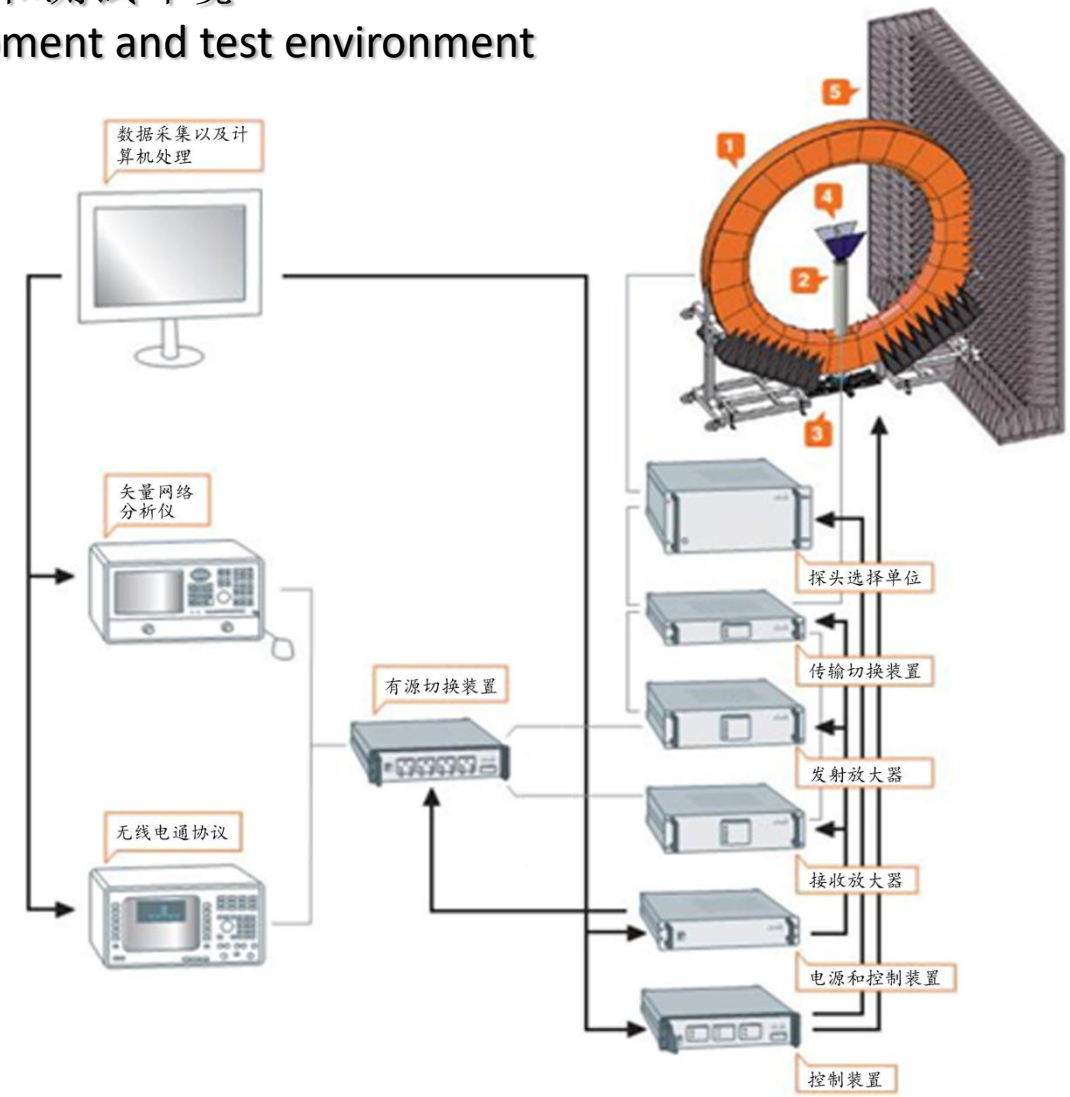
天线测试报告

Antenna test report

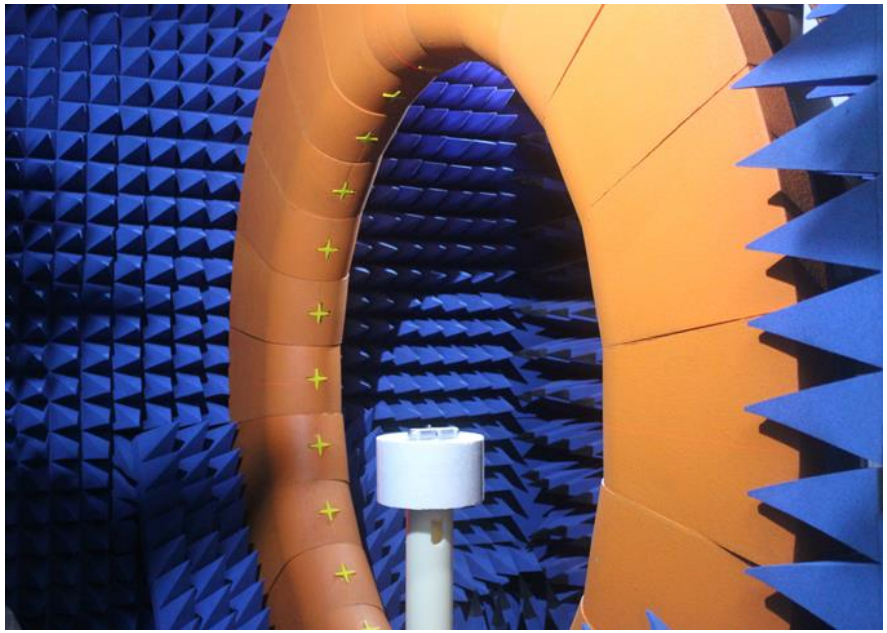
项目型号/Item type	2.4G ANT
天线型号/Antenna Model	
测试/Test	Yueer Wei
检查/check	Xingxi Xia
日期/Date	2022-05-24

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 anechoic chamber

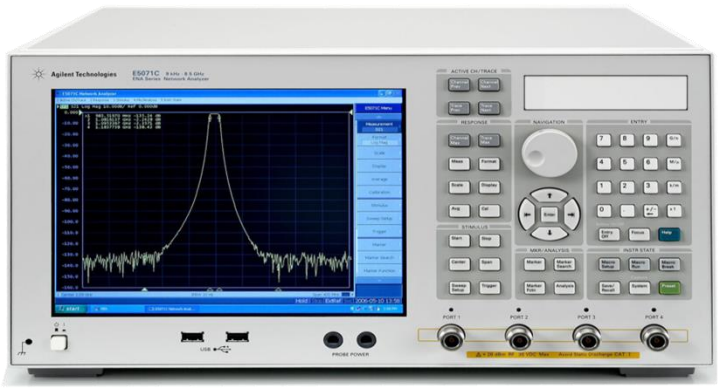
➢ 频率：0.4GHz至6GHz/Frequency: 0.4GHz to 6GHz

主要测试指标

- ◆ 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/TIS total receiving sensitivity

测试设备
Test equipment



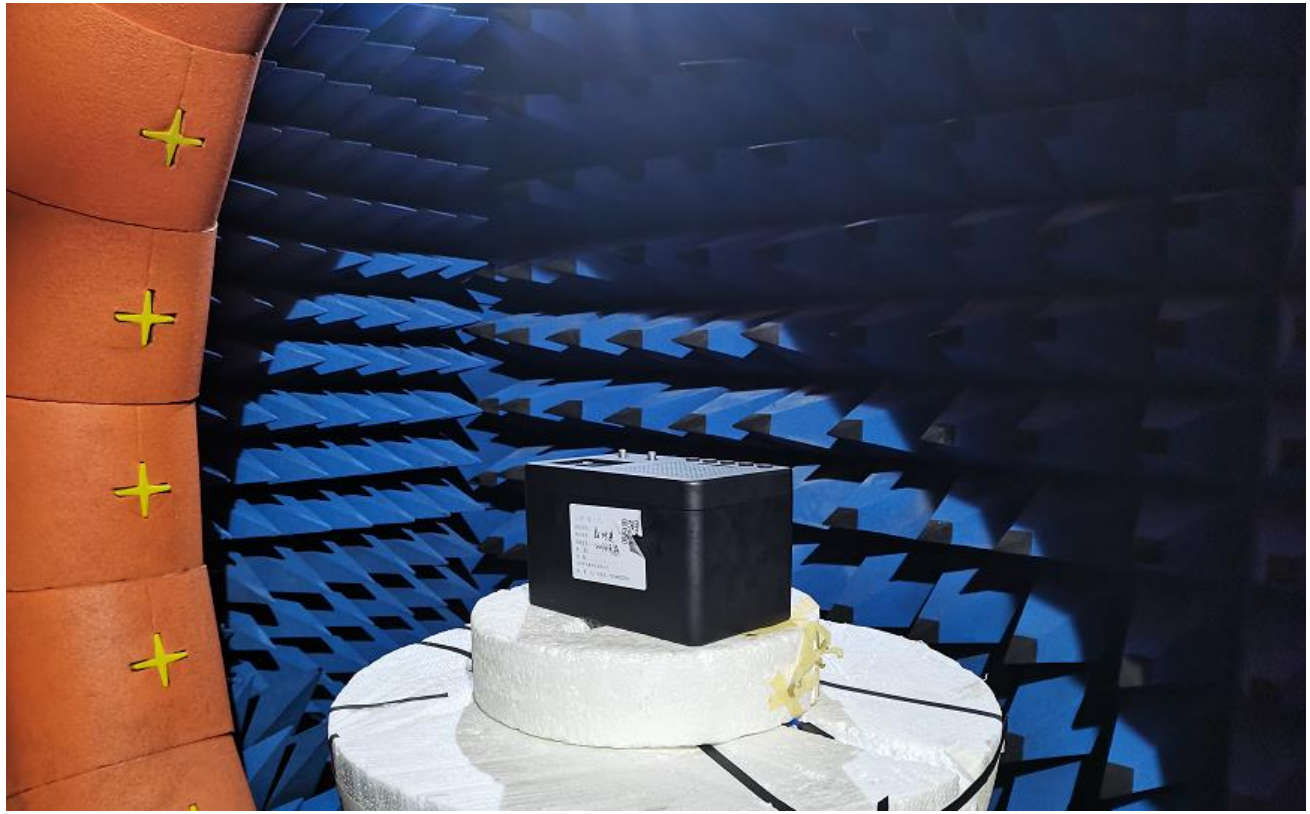
Agilent E5071C

- Frequency: 300 kHz to 8.5GHz

R&S CMW500

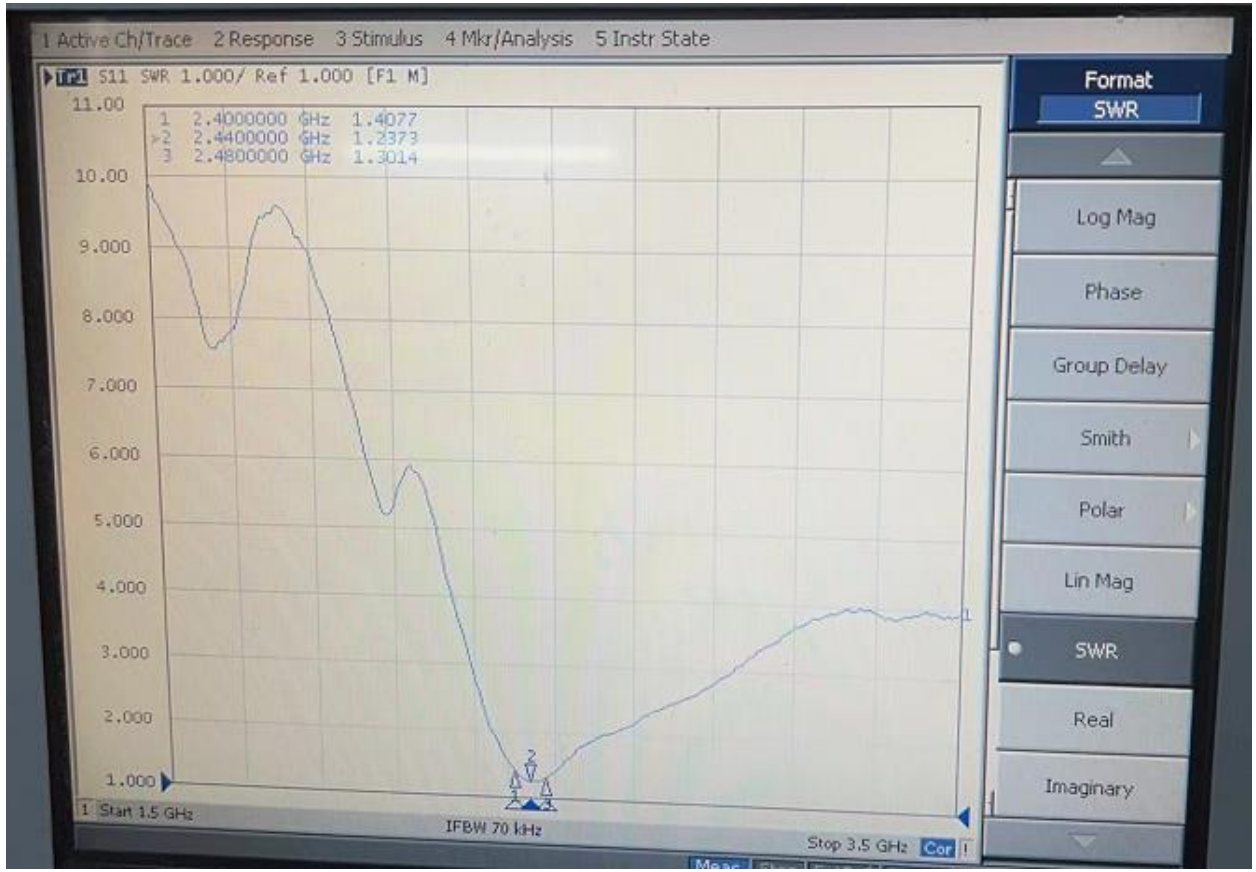
- GSM/3G/4G
- WIFI/ Bluetooth
- NB-IoT

测试拍照
Test photos

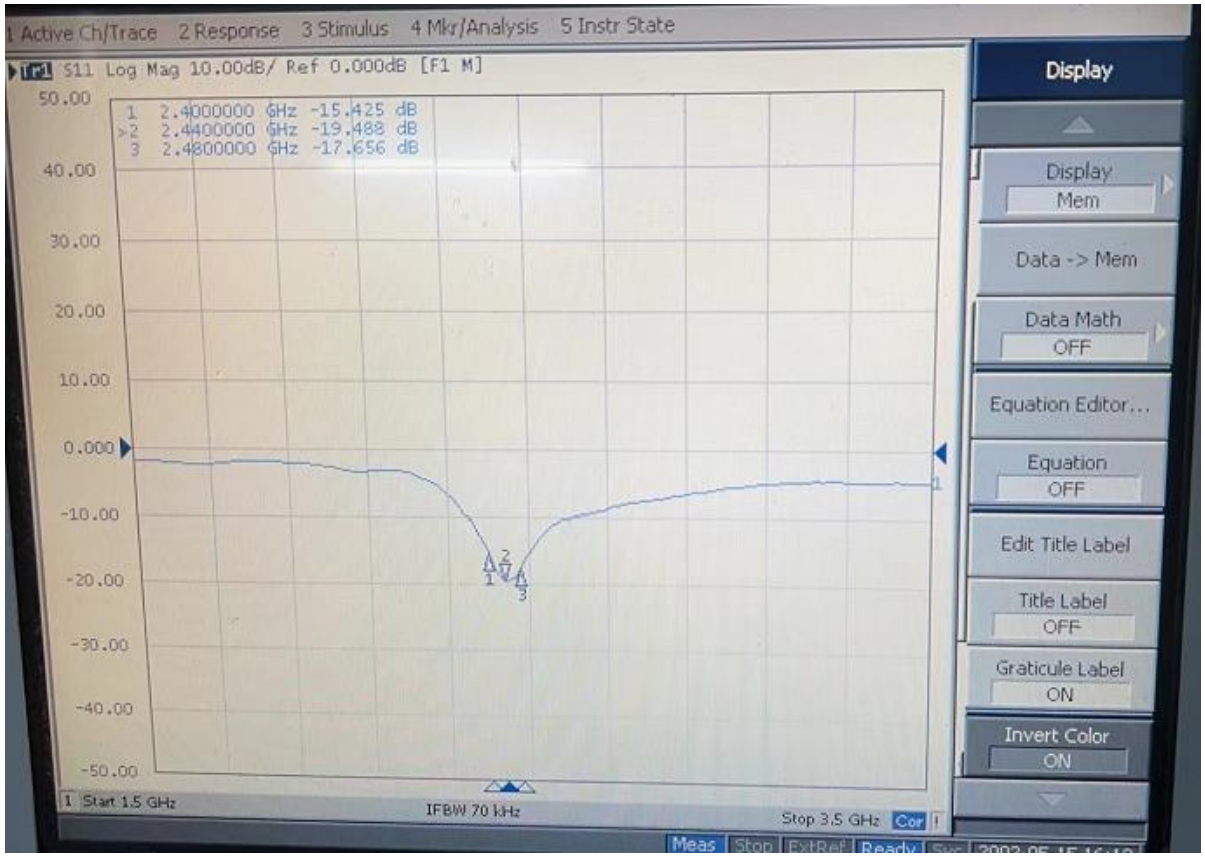


天线安装位置
Passive antenna data

天线驻波比
Antenna SWR



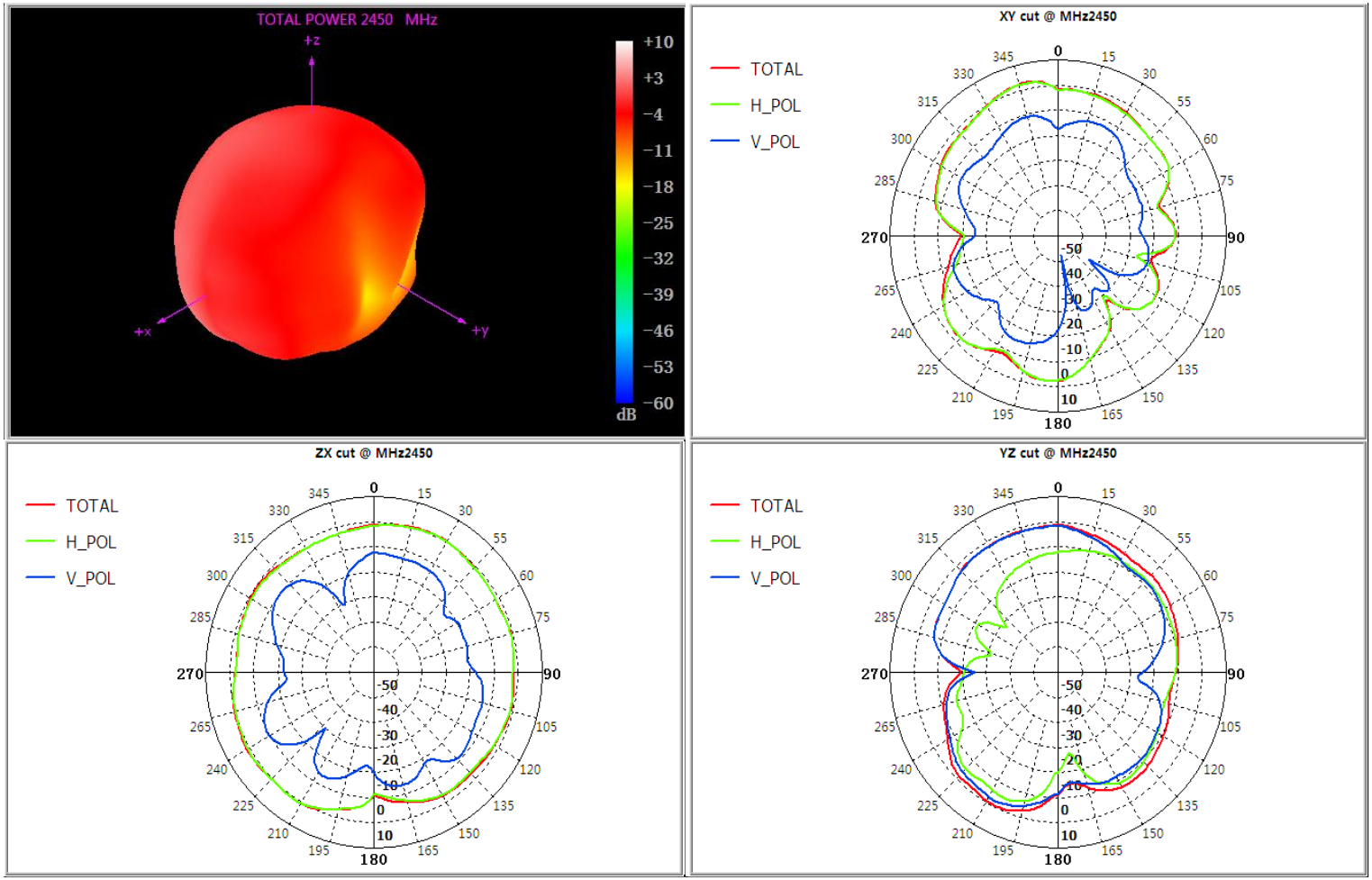
天线回波损耗
Antenna Return loss



天线增益与效率
Antenna gain and efficiency

天线		
Freq(MHz)	Efficiency (%)	Gian(dBi)
2400	50.26	3.02
2410	51.33	3.08
2420	52.02	312
2430	53.06	3.23
2440	53.74	3.29
2450	52.72	3.01
2460	53.55	3.33
2470	55.17	3.44
2480	54.39	3.46
2490	55.89	3.24
2500	55.15	3.25

天线辐射方向图
Antenna Radiation Pattern



OTA 有源数据（TIS，TRP)
OTA Active data

WIFI			
模式(mode)	信道 (channel)	TRP	TIS
802.11b 11MBps	CH 1	15.34	-85.18
	CH 6	15.16	-85.27
	CH 11	15.08	-85.11

Thanks for your support!
感谢您的支持！

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