

专业天线服务商

深圳市飞敏科技有限公司

SHENZHEN FEIMIN TECHNOLOGY CO.,LTD.



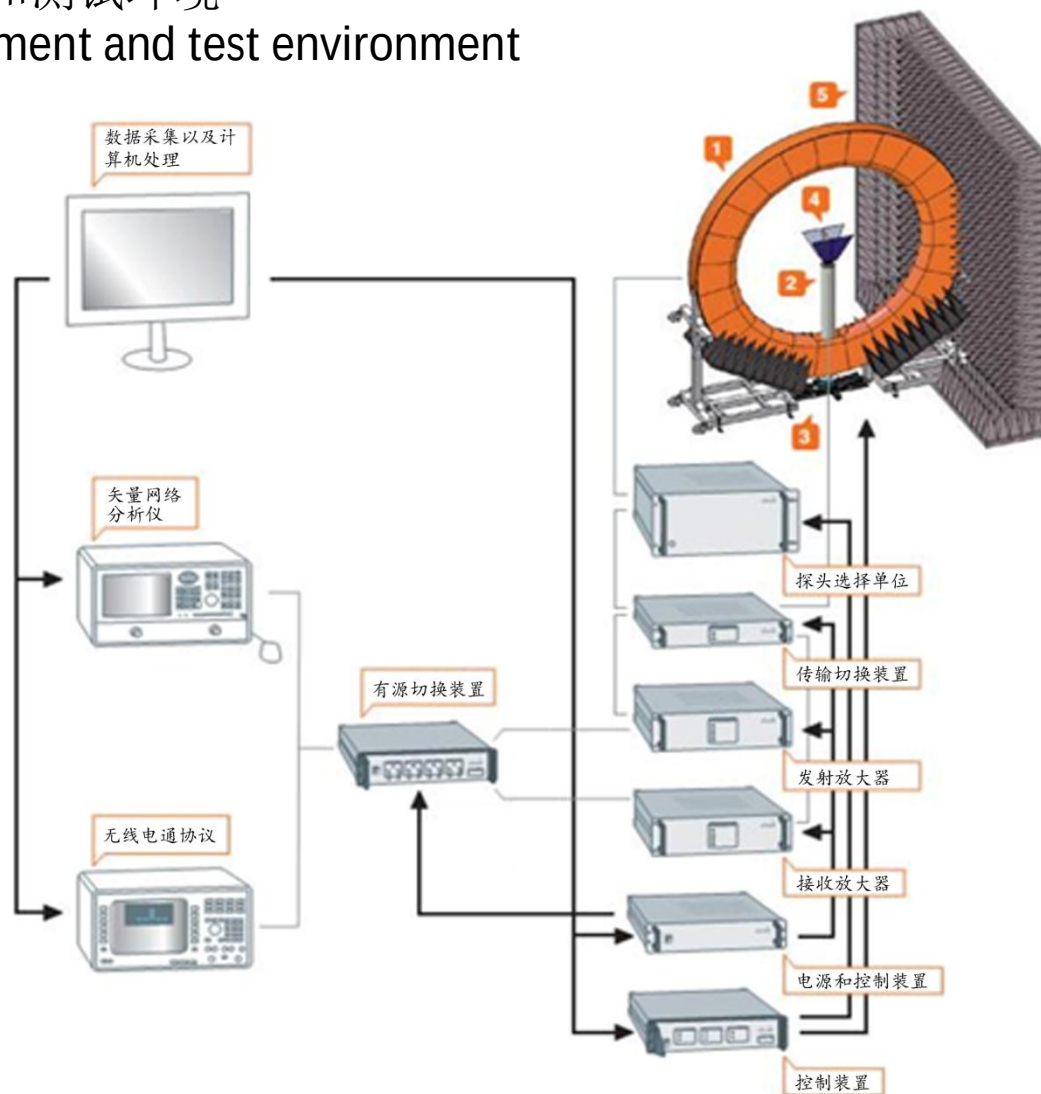
天线测试报告

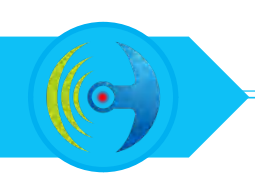
Antenna test report

项目型号	TimesFrame
天线型号	
测 试	许高富
审 核	夏兴喜
日 期	2025-3-22

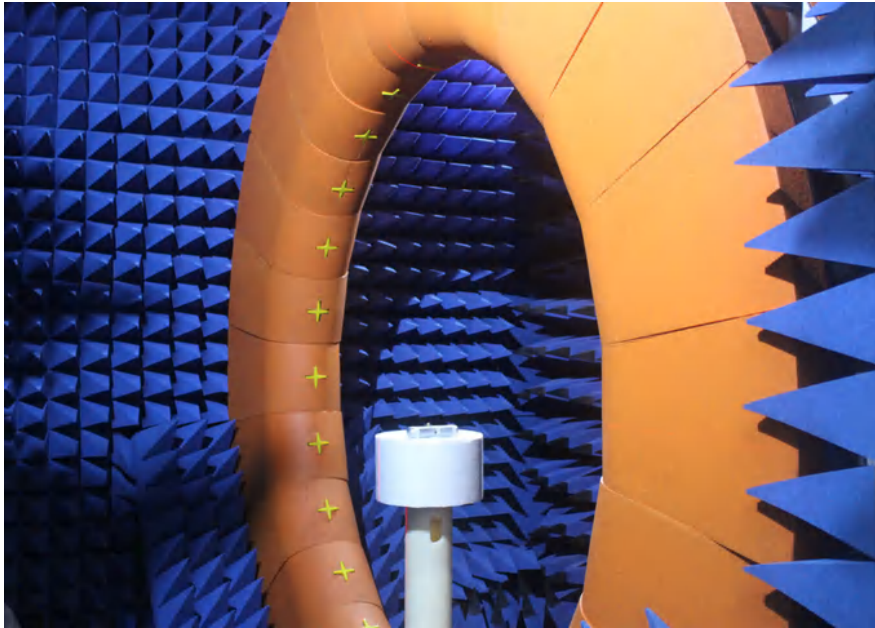


测试设备和测试环境 Test equipment and test environment





测试设备 Test equipment



探头微波暗室

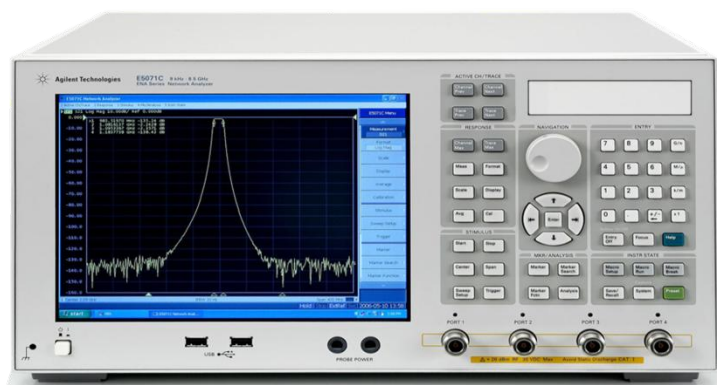
➤ 频率：0.4GHz至6GHz

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



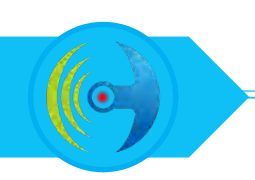
R&S CMW500 宽带无线通信测试仪

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

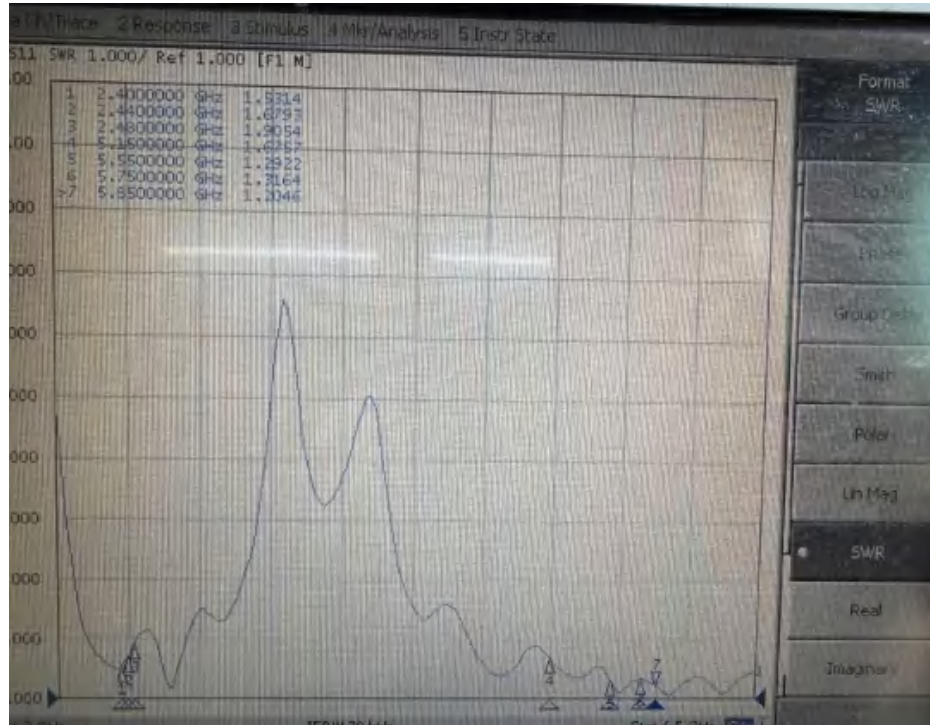


测试拍照
Test Photo

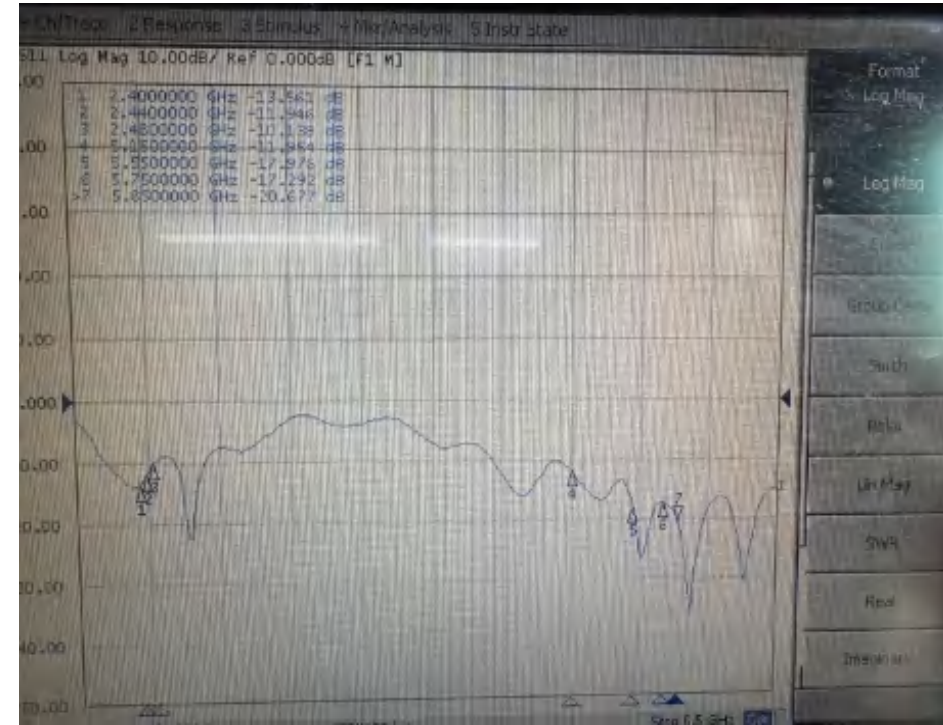


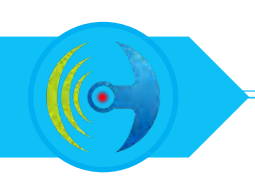


天线驻波比
Antenna SWR



天线回波损耗
Antenna Return loss

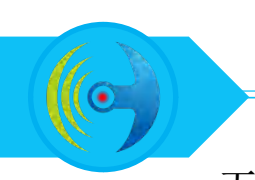




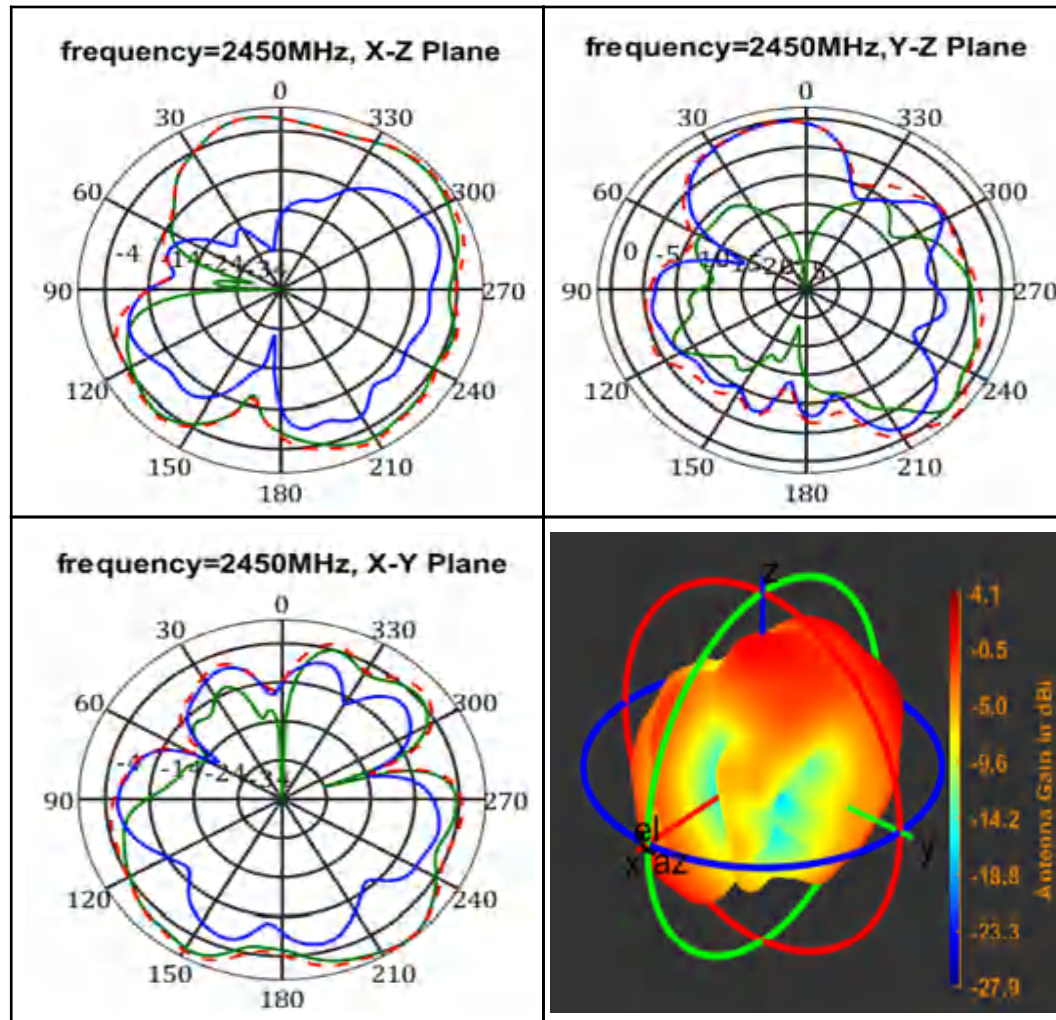
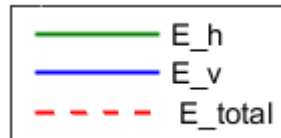
天线增益与效率
Antenna gain and efficiency

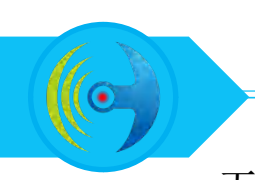
Freq(MHz)	Efficiency (%)	Gian(dBi)
2400	38.42	2.63
2410	39.44	2.75
2420	40.55	2.81
2430	41.32	2.88
2440	42.29	2.98
2450	42.26	3.36
2460	41.89	3.02
2470	41.40	2.92
2480	40.56	2.81
2490	39.84	2.78
2500	39.65	2.72

Freq(MHz)	Efficiency (%)	Gian(dBi)
5150	43.82	3.56
5200	44.09	3.44
5250	44.75	3.36
5300	45.52	3.35
5350	46.76	3.92
5400	48.47	4.06
5450	49.13	3.99
5500	51.20	3.90
5550	52.02	3.81
5600	51.11	3.86
5650	49.75	3.75
5700	48.63	3.66
5750	47.89	3.79
5800	46.99	3.64
5850	45.78	3.75

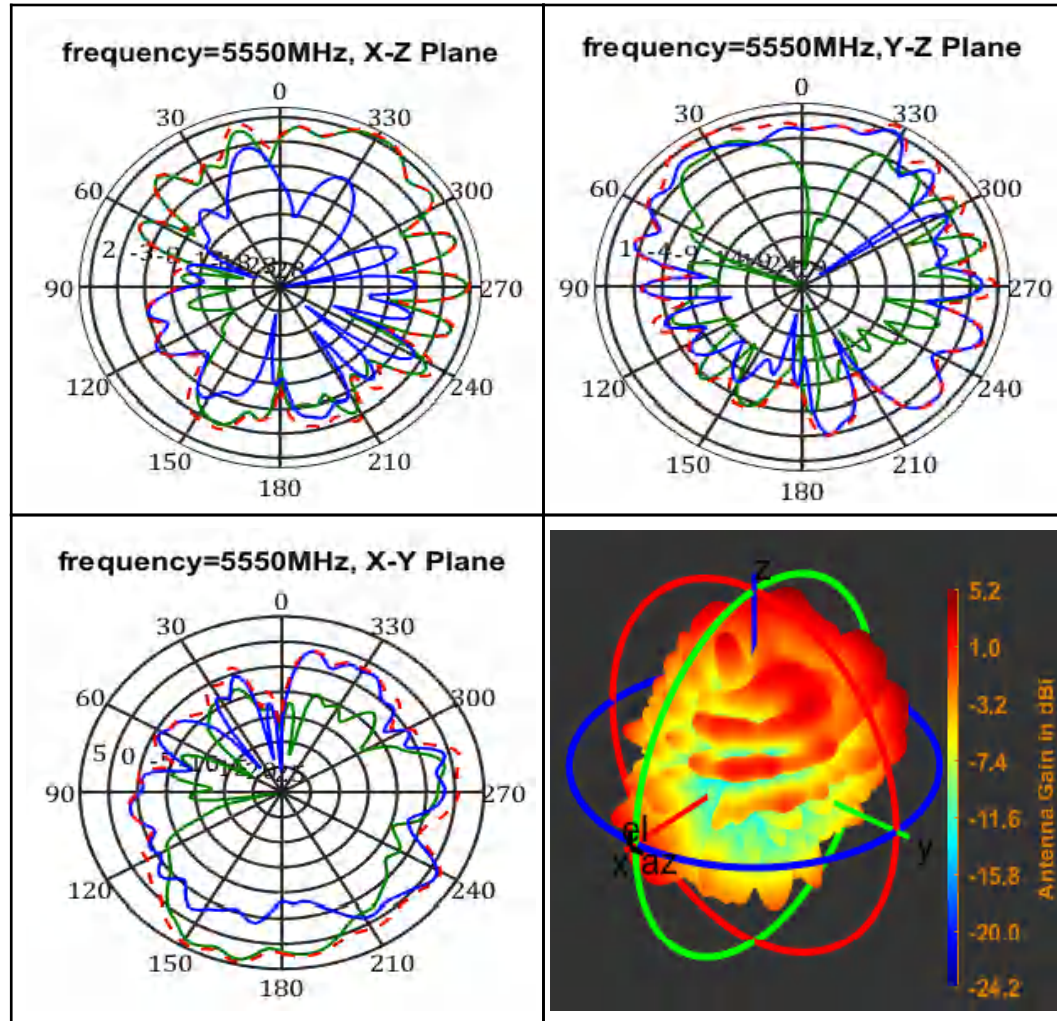
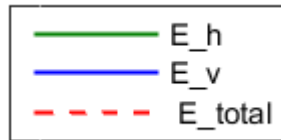


天线辐射方向图 Antenna Radiation Pattern





天线辐射方向图 Antenna Radiation Pattern





OTA 有源数据 (TIS, TRP)

OTA Active data

OTA测试数据			
模式(mod e)	信道 (channel)	TRP	TIS
802.11b 11Mbps	CH 1	14. 69	-83. 51
	CH 6	15. 62	-83. 74
	CH 11	16. 15	-84. 19
802.11a 54Mbps	CH 36	12. 74	-69. 28
	CH 149	13. 11	-70. 06
	CH 165	13. 66	-69. 83

Thanks for your support!
感谢您的支持！

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