

专业天线服务商

Professional antenna serviceprovider

深圳市飞敏科技有限公司

SHENZHEN FEIMIN TECHNOLOGY CO.,LTD.

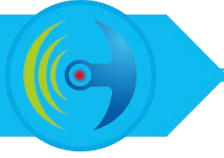
add: Room 103,NO.42,Yanhedong Street, Ailingkan,Dalingshan Town,Dongguan, Guangdong,China



天线测试报告

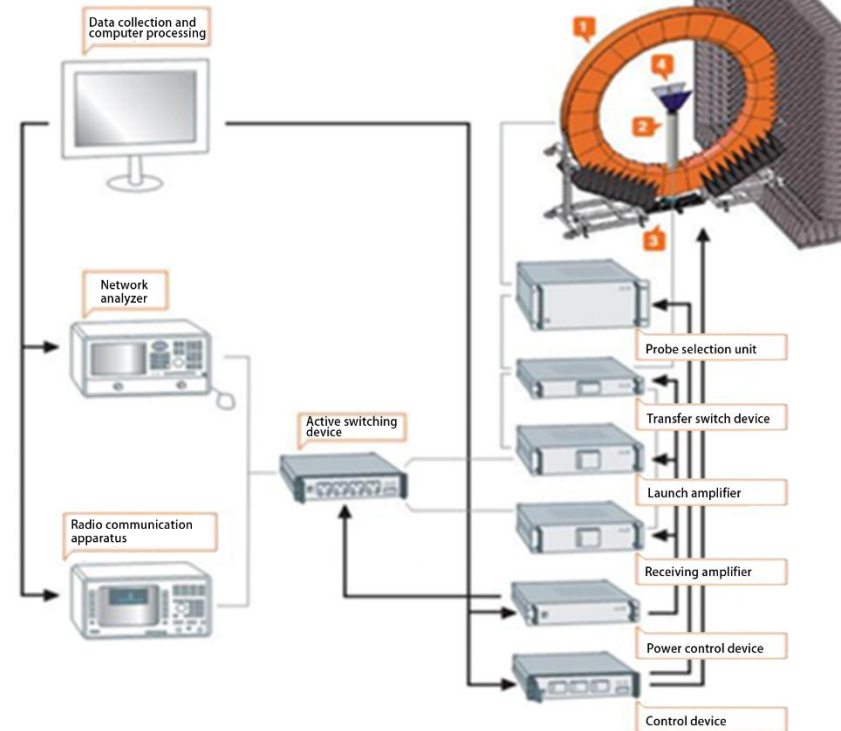
Antenna test report

项目型号 Item model	M3
天线型号 Antenna model	M3
测试 Testers	Xu Gaofu
审核 Auditors	Xia Xingxi
日期 Date	2026-1-12



测试设备和测试环境

Test equipment and test environment



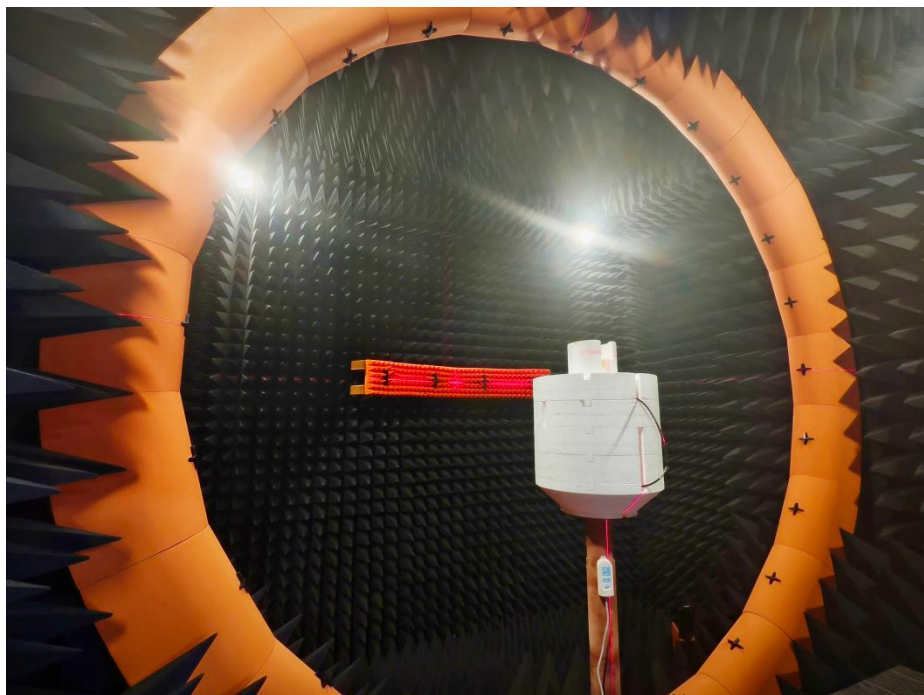
测试环境

Test Environment Conditions:

相对湿度 RelativeHumidity	15 ... 75 %
温度 Temperature	+10 ° C ~ +30 ° C



测试设备 Test equipment



探头微波暗室
Probe microwave anechoic chamber

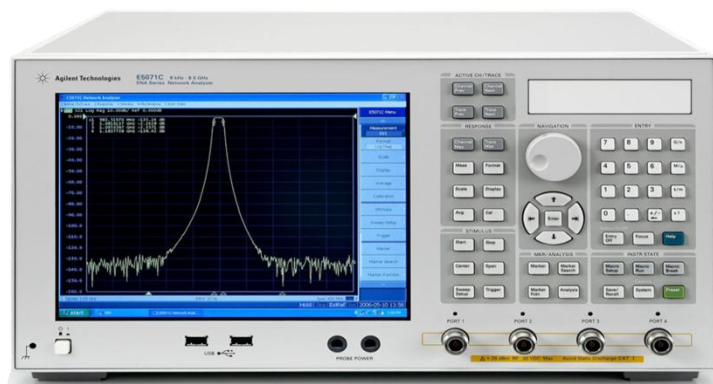
➤ 频率：0.4GHz至12GHz
Frequency Range : 0.4GHz-12GHz

主要测试指标 Main test indicators

- ◆ 无源指标
Passive indicators
- ◆ 增益
Gain
- ◆ 效率
Effectiveness
- ◆ 3D方向图
3D pattern
- 有源指标
Active indicator
- 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 Vector network analyzer
矢量网络分析仪

- Frequency Range : 300 kHz - 8.5GHz
频 率: 300 kHz至8.5GHz

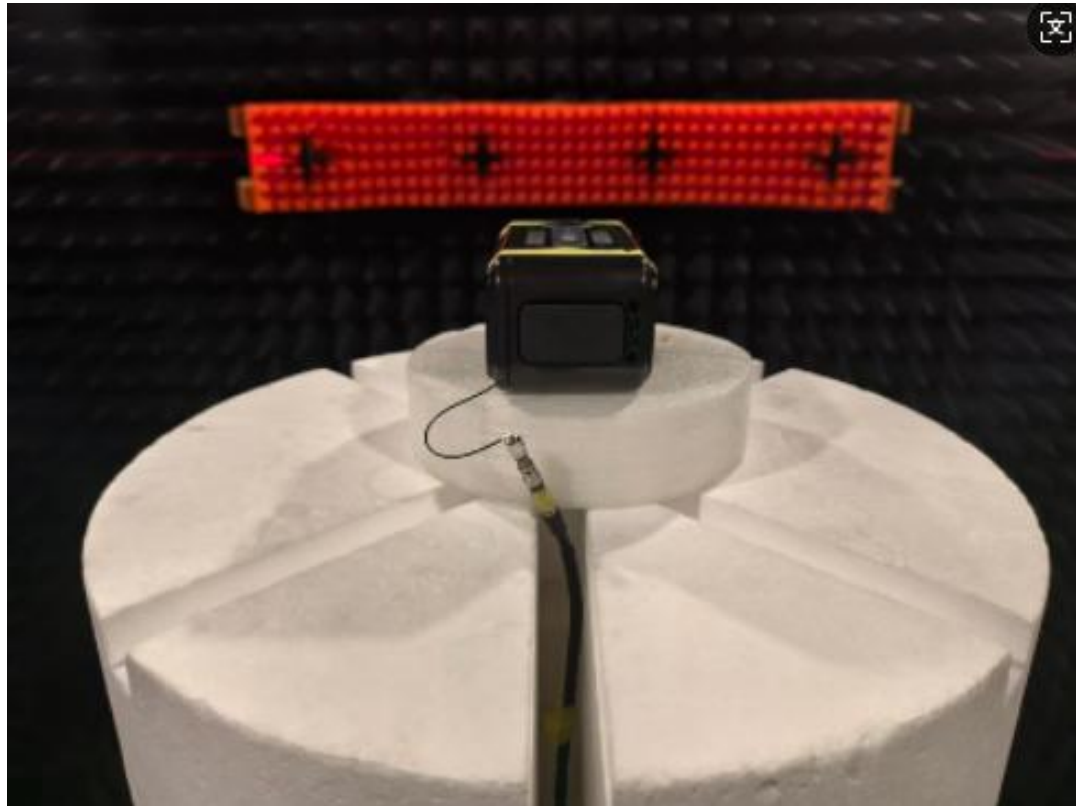


R&S CMW500 Broadband wireless communication tester
宽带无线通信测试仪

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

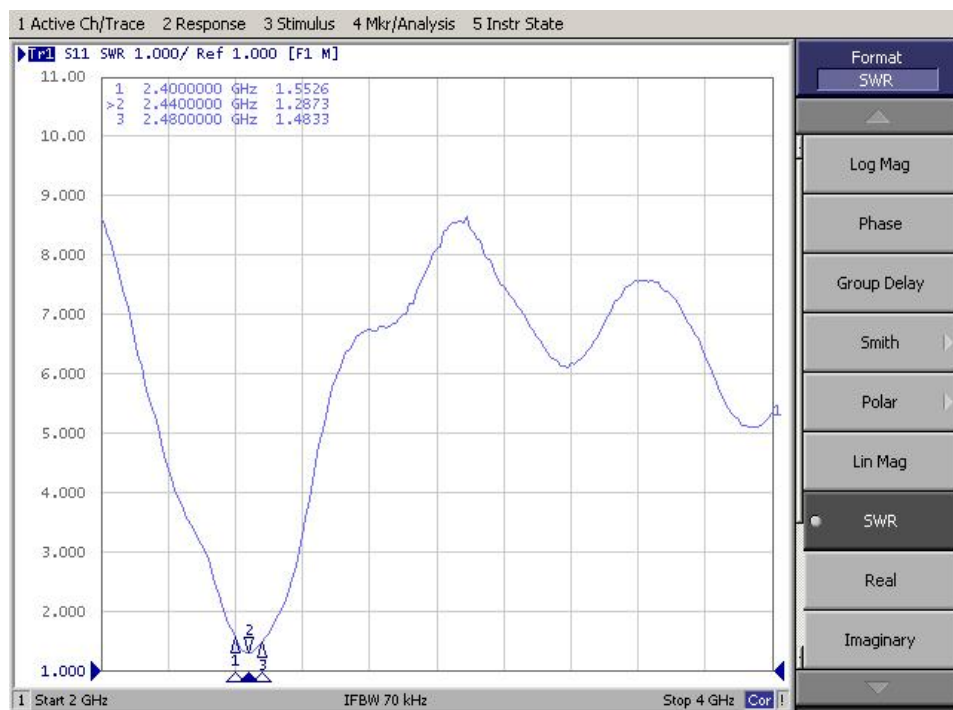


测试拍照
Test Photo

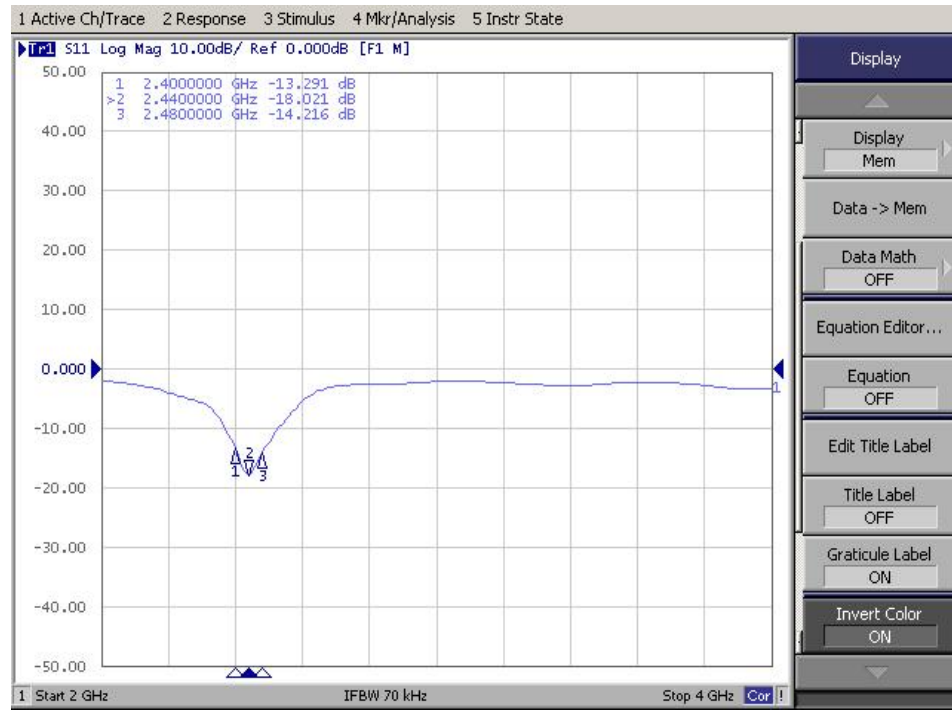




天线驻波比 Antenna SWR



天线回波损耗 Antenna Return loss





天线增益与效率
Antenna gain and efficiency

Freq(MHz)	Efficiency (%)	Max Gain(dBi)
2400	44.87	2.38
2410	42.46	2.17
2420	41.98	1.68
2430	45.92	1.91
2440	50.23	1.20
2450	45.19	2.21
2460	48.42	2.58
2470	48.08	3.02
2480	43.95	2.77
2490	43.85	2.85
2500	46.34	2.85

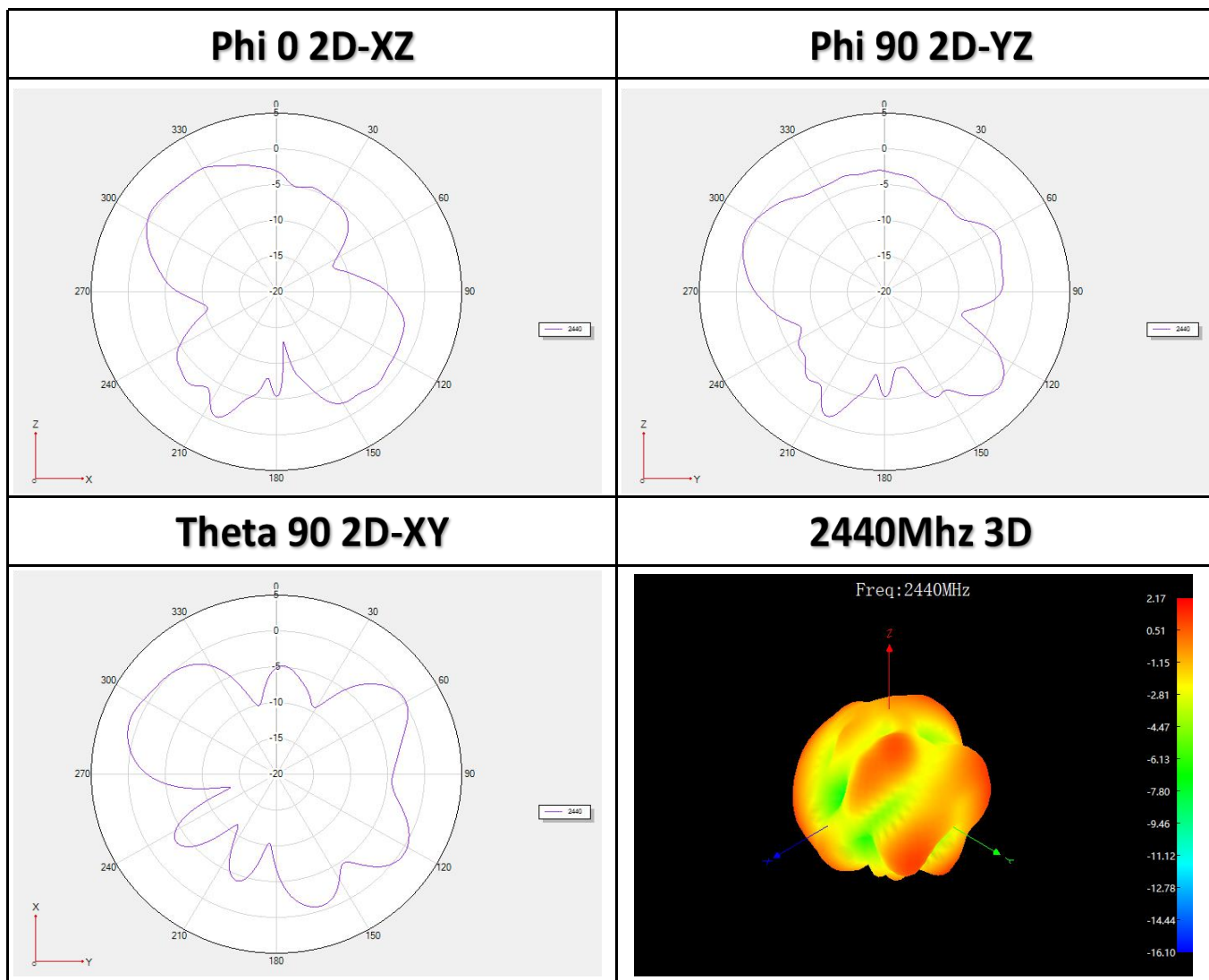
Gain Table

Unit in dBi @2.44GHz	XY-plane		XZ-plane		YZ-plane		Efficiency
	Peak	Avg.	Peak	Avg.	Peak	Avg.	
Module Board	1.2	-0.5	0.34	-3.78	0.42	-3.58	50.23%



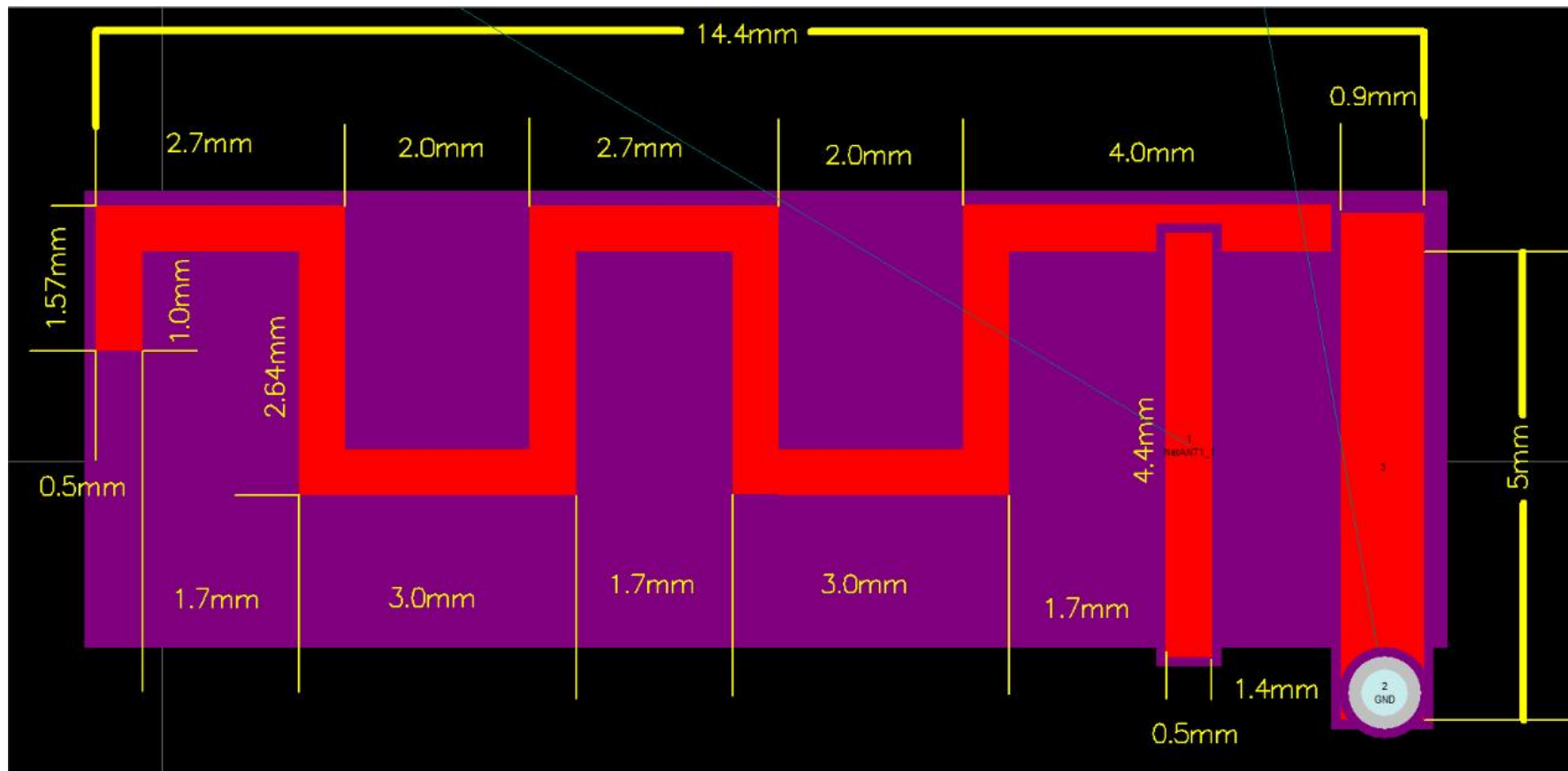
天线辐射方向图

Antenna Radiation Pattern





天线尺寸 Antenna Size



Thanks for your support!
感谢您的支持!

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