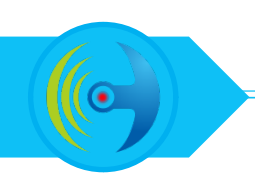


专业天线服务商

深圳市飞敏科技有限公司

SHENZHEN FEIMIN TECHNOLOGY CO.,LTD.



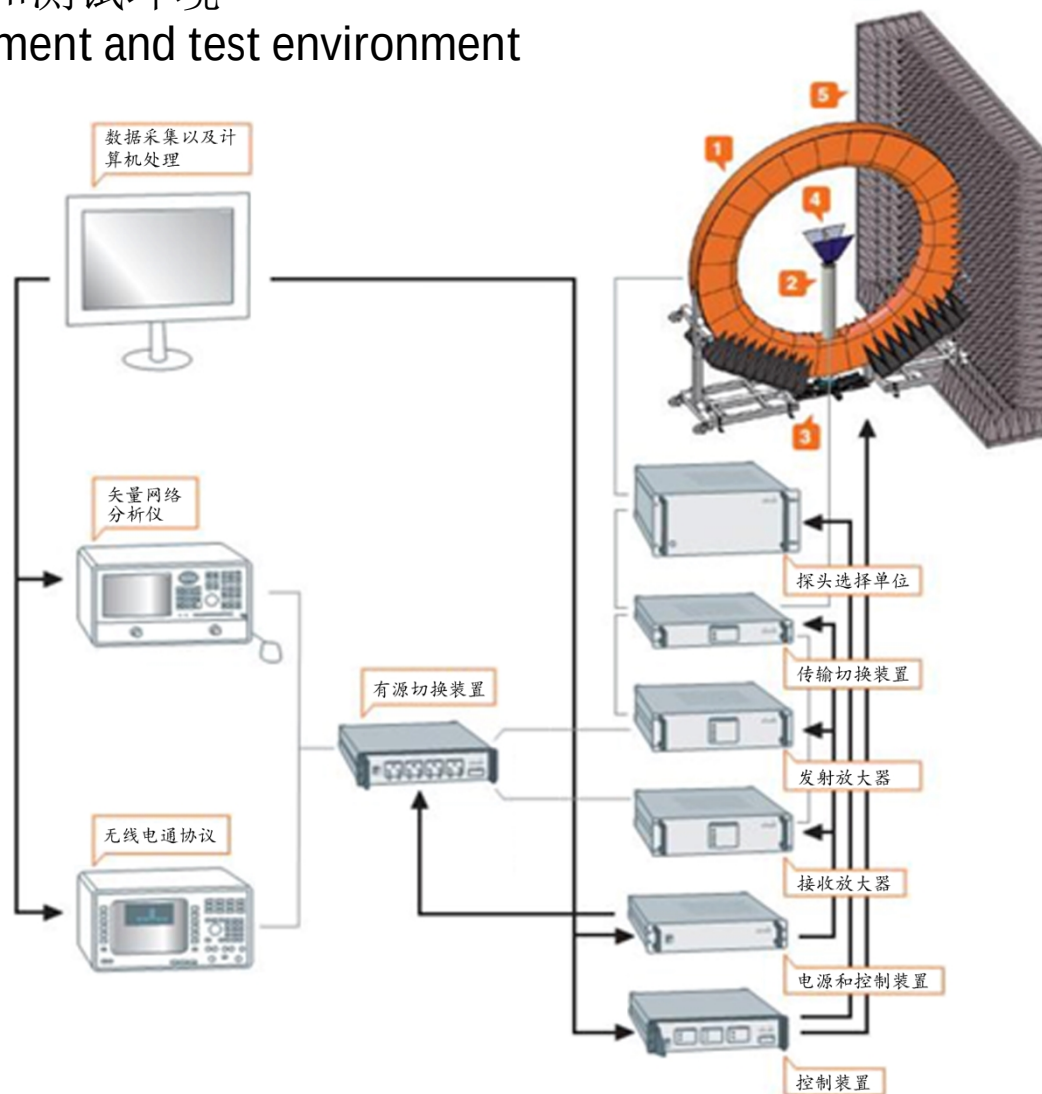
天线测试报告

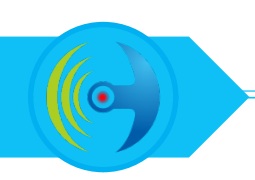
Antenna test report

项目型号	Magic10
天线型号	
测 试	许高富
审 核	夏兴喜
日 期	2025-1-3

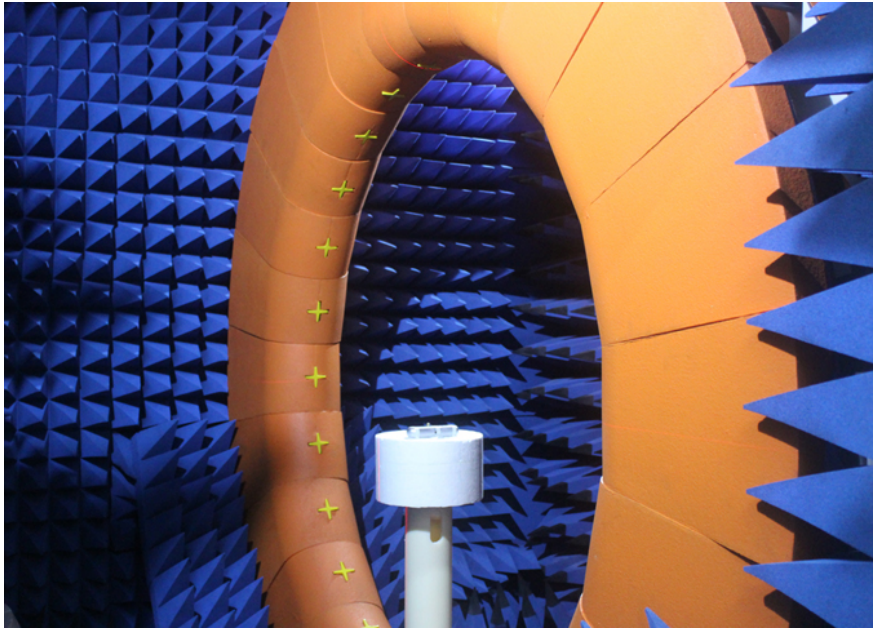


测试设备和测试环境 Test equipment and test environment





测试设备 Test equipment



探头微波暗室

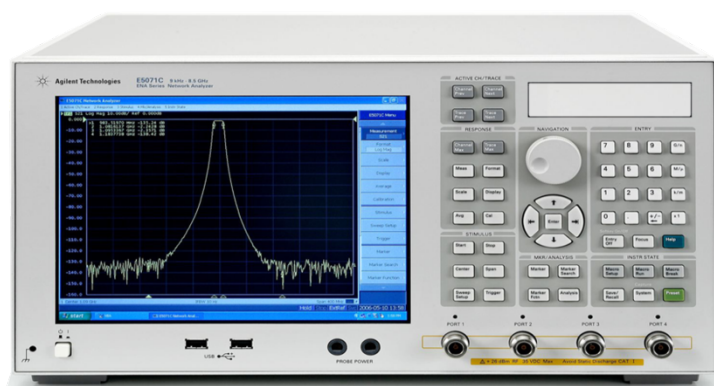
➤ 频率：0.4GHz至6GHz

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

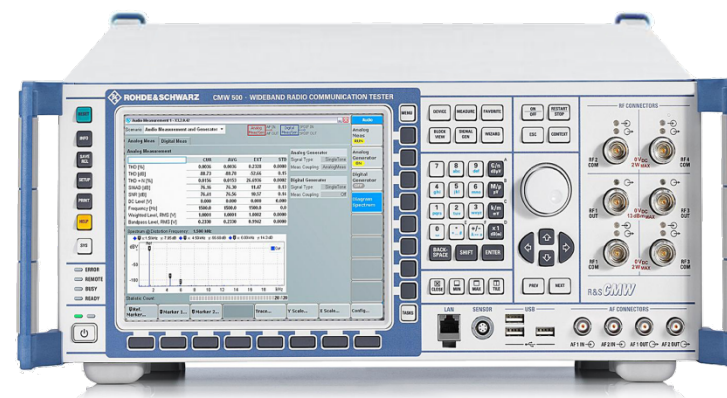


测试设备 Test equipment



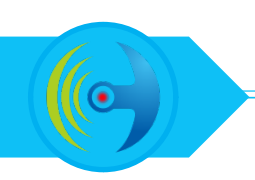
Agilent E5071C矢量网络分析仪

- 频率: 300 kHz至8.5GHz



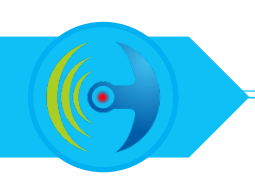
R&S CMW500 宽带无线通信测试仪

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



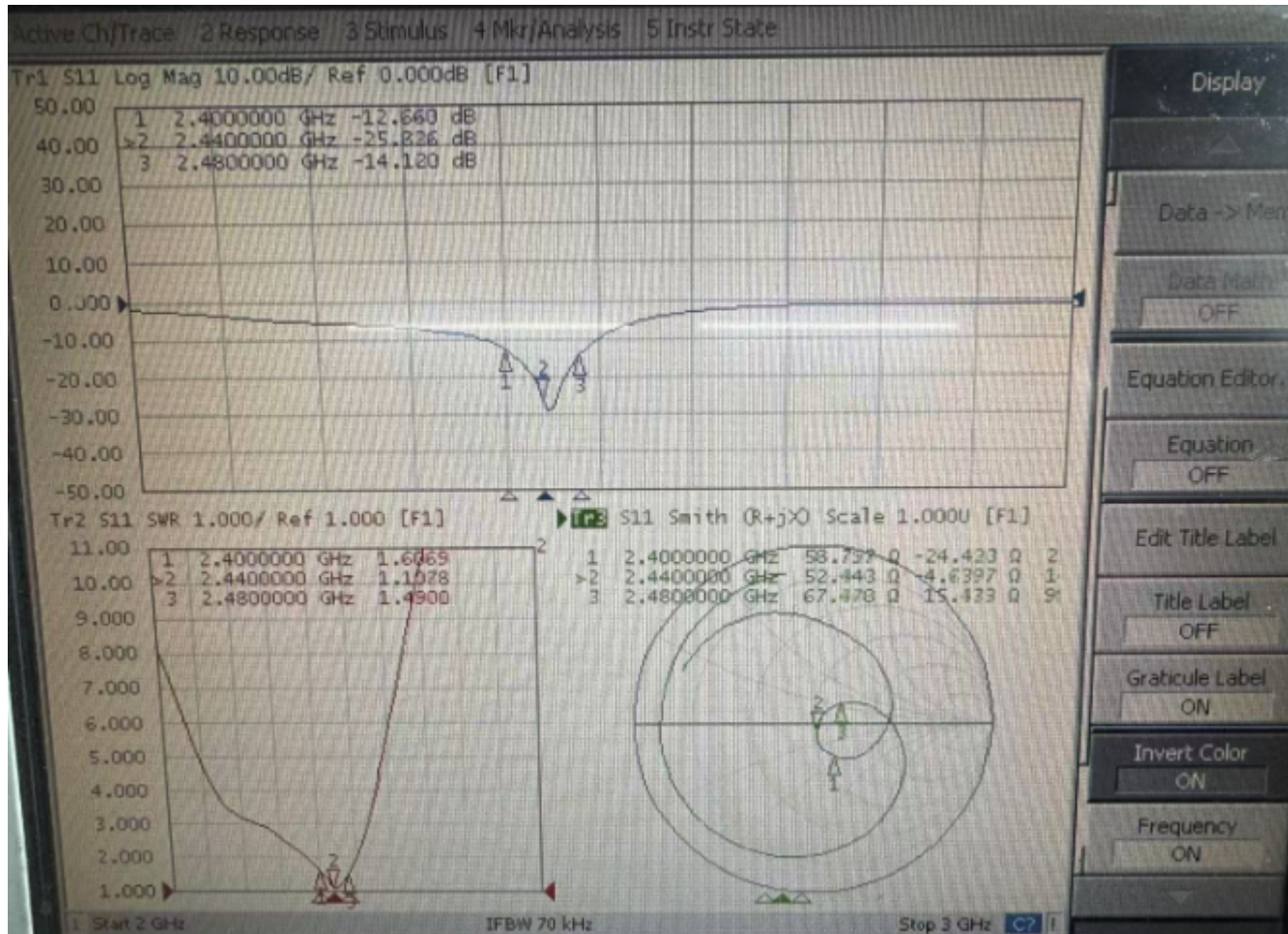
测试拍照
Test photos

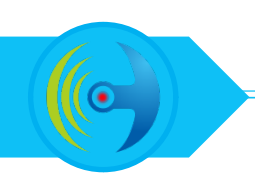




天线驻波比
Antenna SWR

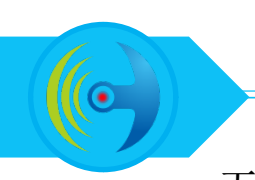
天线回波损耗
Antenna Return loss



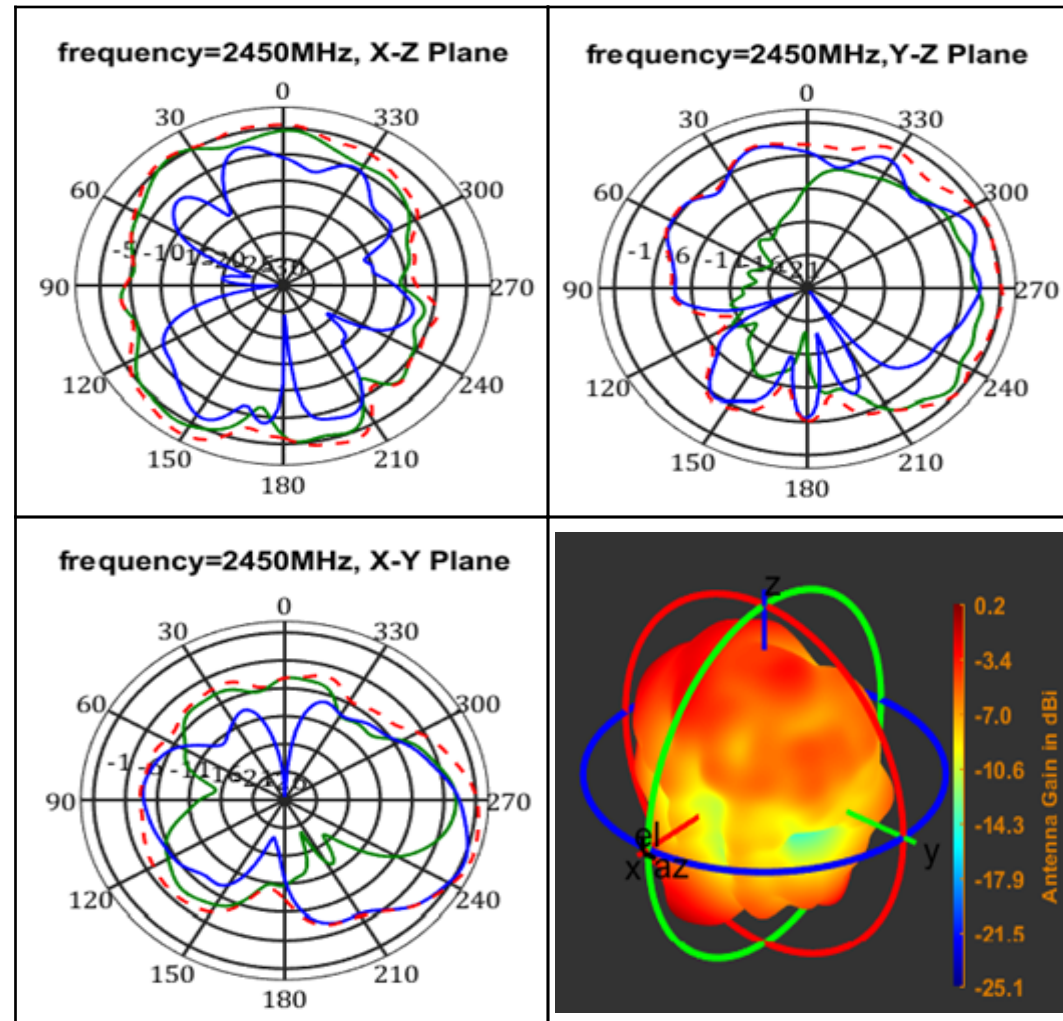
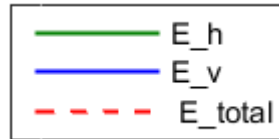


天线增益与效率
Antenna gain and efficiency

天线		
Freq(MHz)	Efficiency (%)	Gian(dBi)
2400	26.20	0.98
2410	26.90	0.59
2420	27.99	0.89
2430	29.66	0.57
2440	30.77	0.49
2450	30.05	0.25
2460	29.66	0.17
2470	28.69	0.19
2480	28.91	0.01
2490	28.47	0.05
2500	27.40	0.35



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—原匹配			
模式(mode))	信道 (channel)	TRP	TIS
BT	L(0)	3. 97	-91. 24
	M(39)	3. 36	-91. 58
	H (78)	2. 61	-92. 16

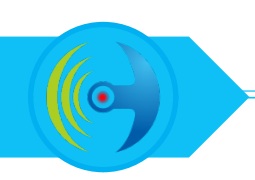


OTA 有源数据 (TIS, TRP)

OTA Active data

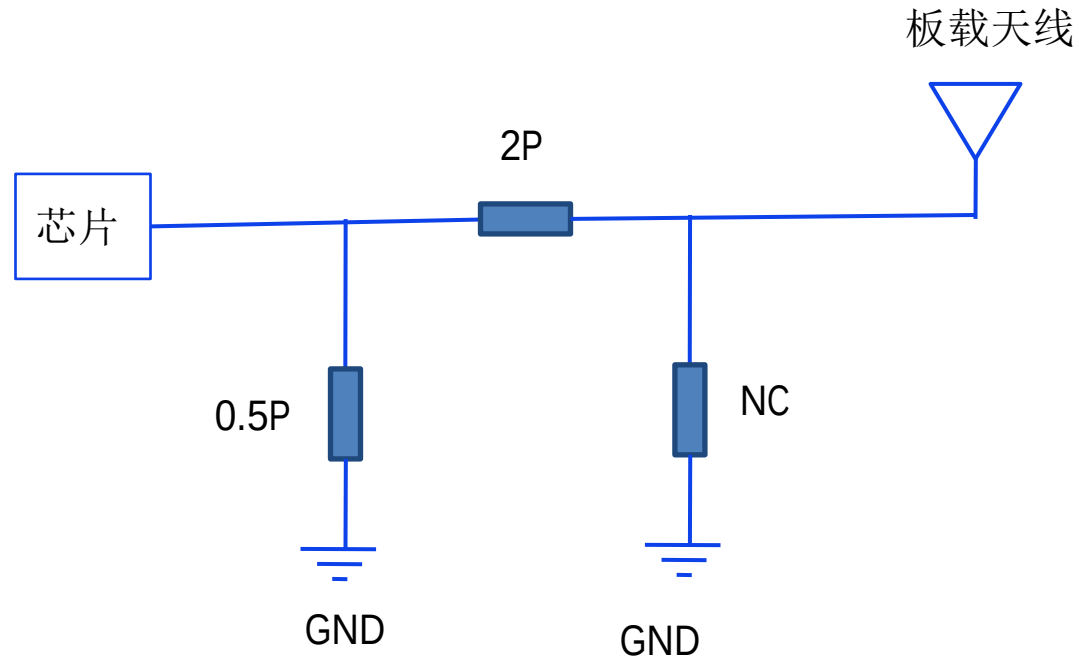
OTA测试数据—原匹配			
模式(mode))	信道 (channel)	TRP	TIS
BT	L(0)	3.38	-90.12
	M(39)	2.65	-90.45
	H (78)	1.56	-90.83

OTA测试数据—调试后 (改匹配)			
模式(mode))	信道 (channel)	TRP	TIS
BT	L(0)	3.61	-90.86
	M(39)	2.99	-90.79
	H (78)	2.14	-91.34



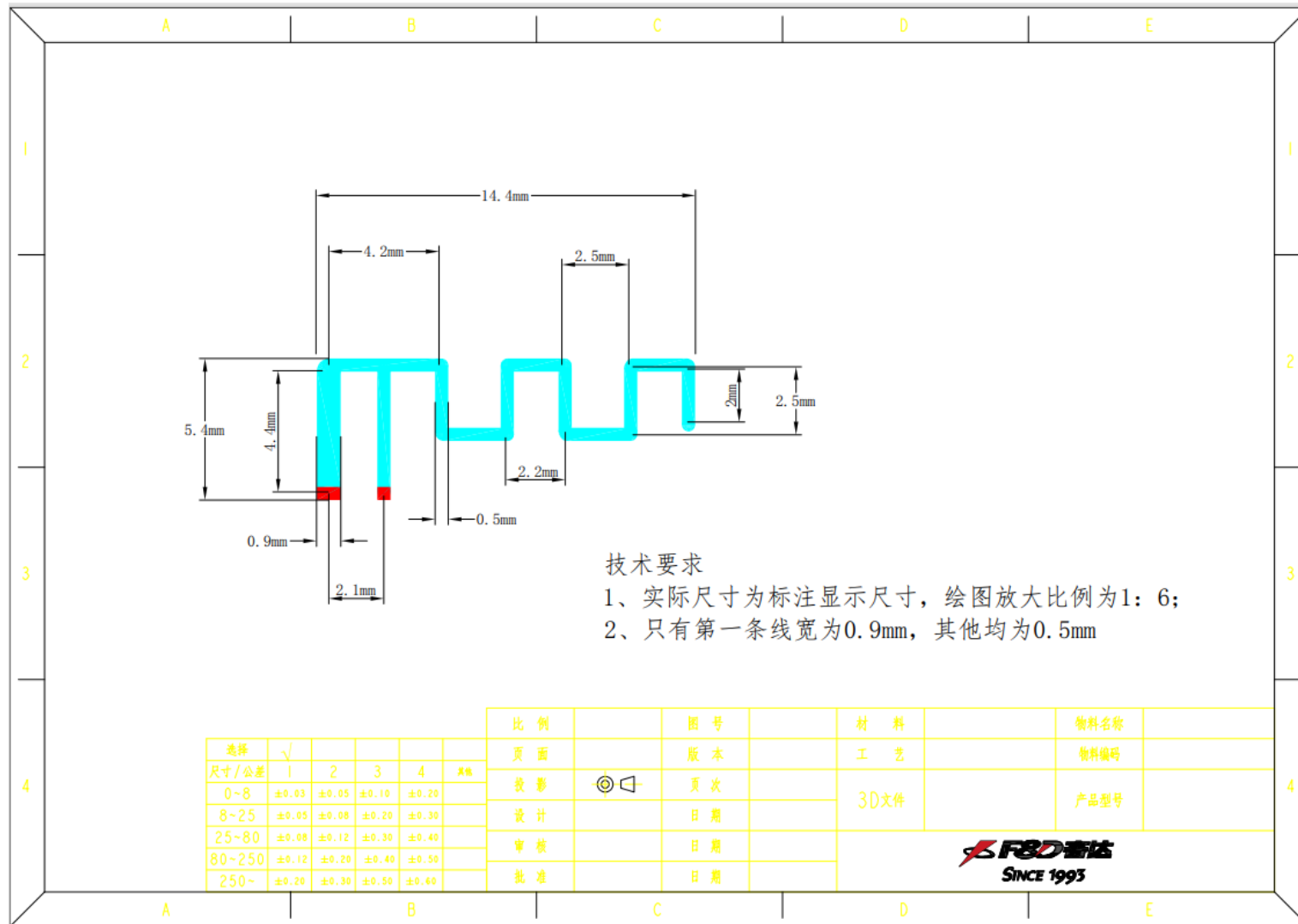
天线匹配参数

调试后匹配





天线尺寸 Antenna Size



Thanks for your support!
感谢您的支持！

深圳市宝安区西乡固戍恒南一路C栋303
TEL:(86)755-23035723. FAX:0755-23036702
E-mail:ant001@fmant.cn

ADD: 303, building C,GUSHU Hengnan Road,Xixiang,Baoan district Shenzhen