

专业天线服务商

Professional antenna service provider

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天线测试报告

Antenna test report

项目型号Item Model: 弹簧天线spring antenna

天线型号Antenna Model A1

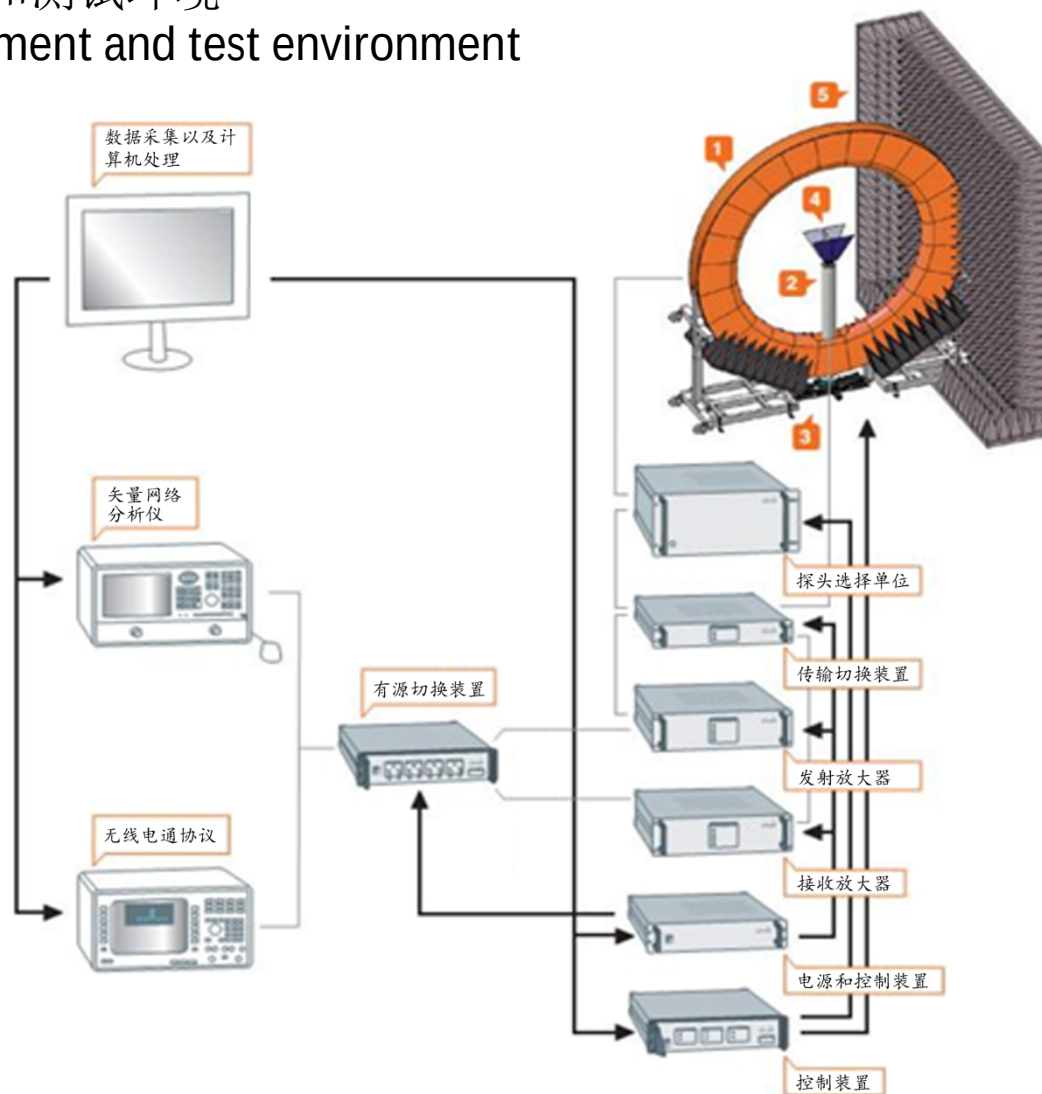
测试 Test 许高富 Xu gao fu

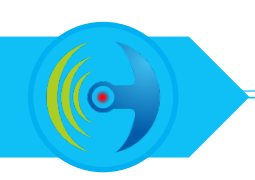
审核Review 范敏 Fanming

日期Date 2024-4-24

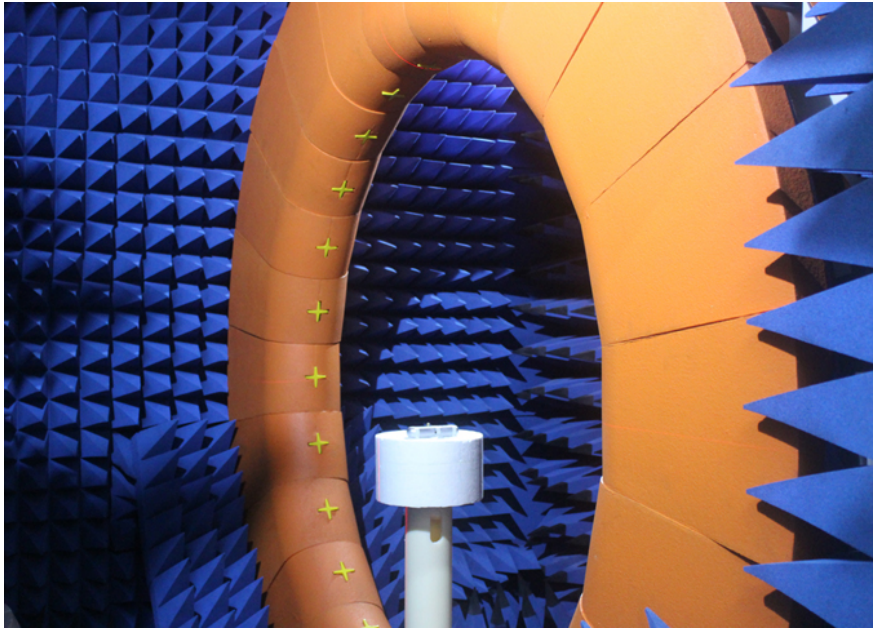


测试设备和测试环境 Test equipment and test environment





测试设备 Test equipment



探头微波暗室Probe microwave darkroom

➤ 频率frequency: 0.4GHz至6GHz

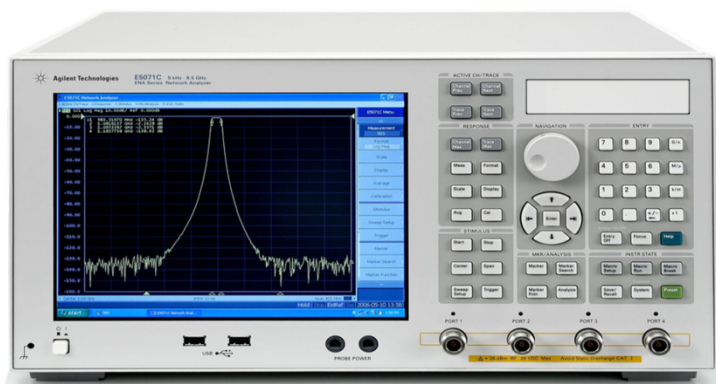
主要测试指标Main test index

- ◆无源指标 Passive pointer
- ◆增益 transmission gain
- ◆效率 efficiency
- ◆3D方向图 3D direction map

- 有源指标 active marker
- 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

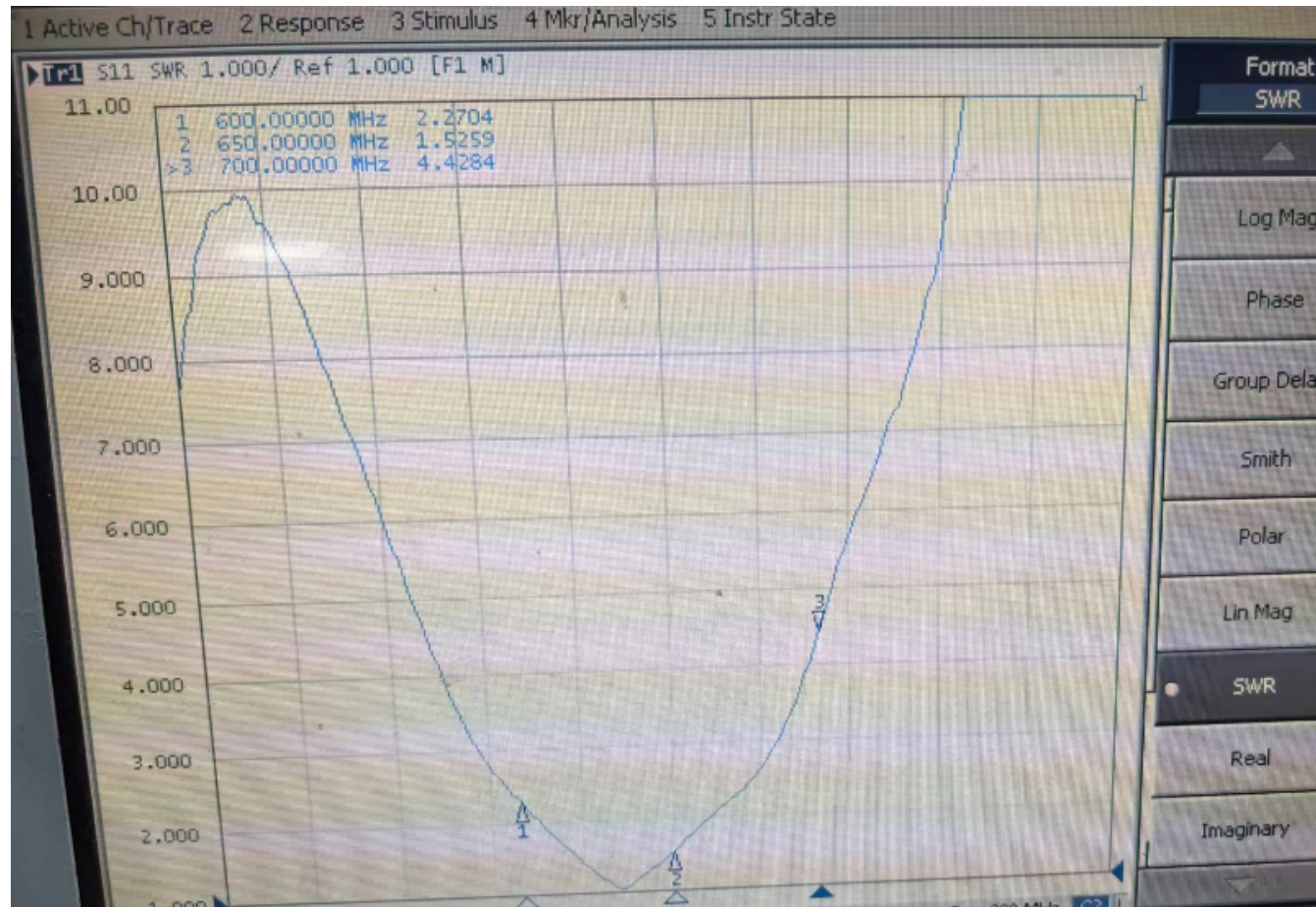


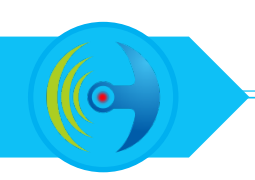
R&S CMW500 宽带无线通信测试仪

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



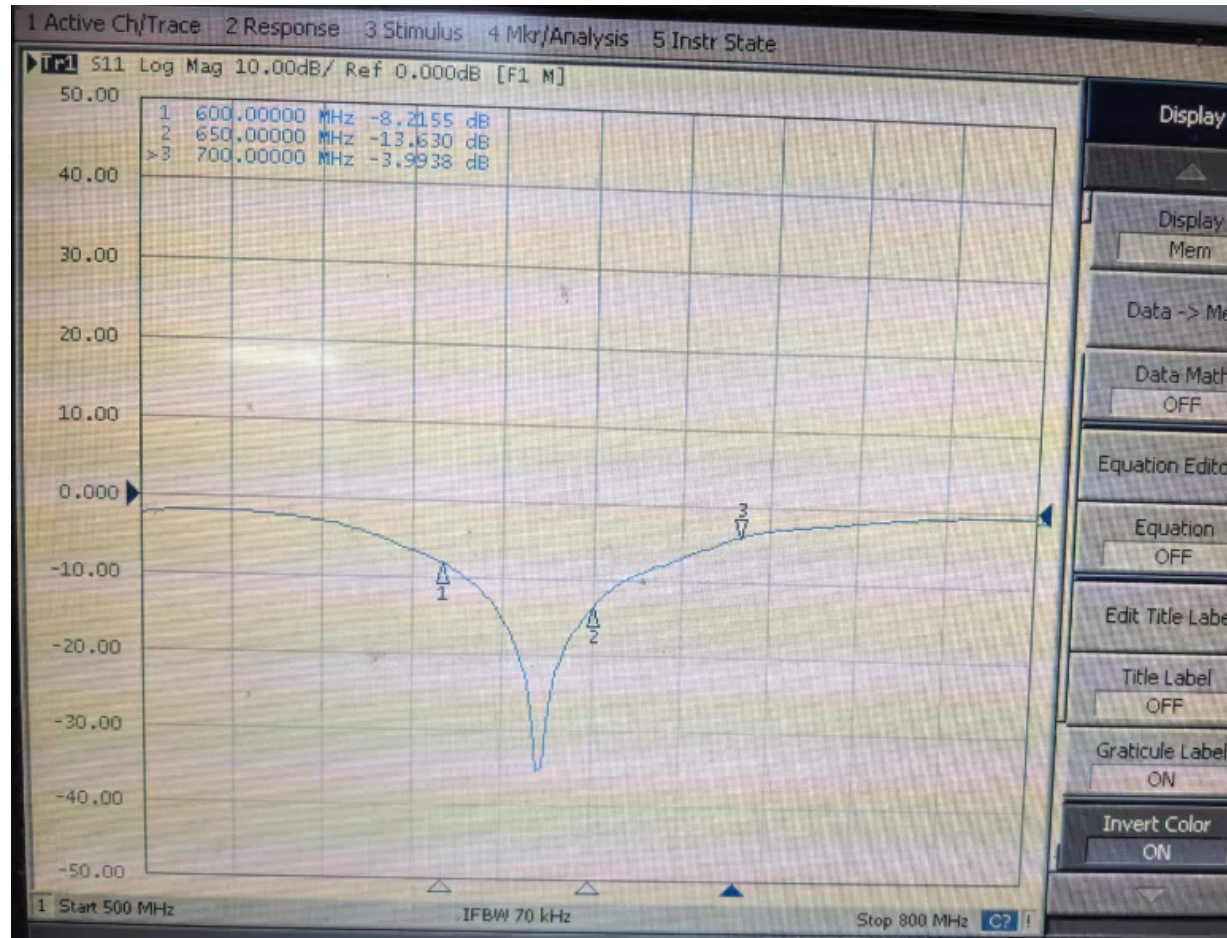
天线驻波比
Antenna SWR

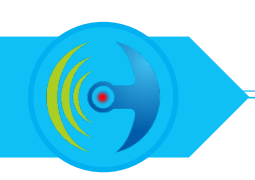




天线回波损耗

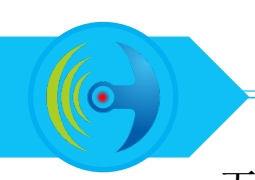
Antenna Return loss



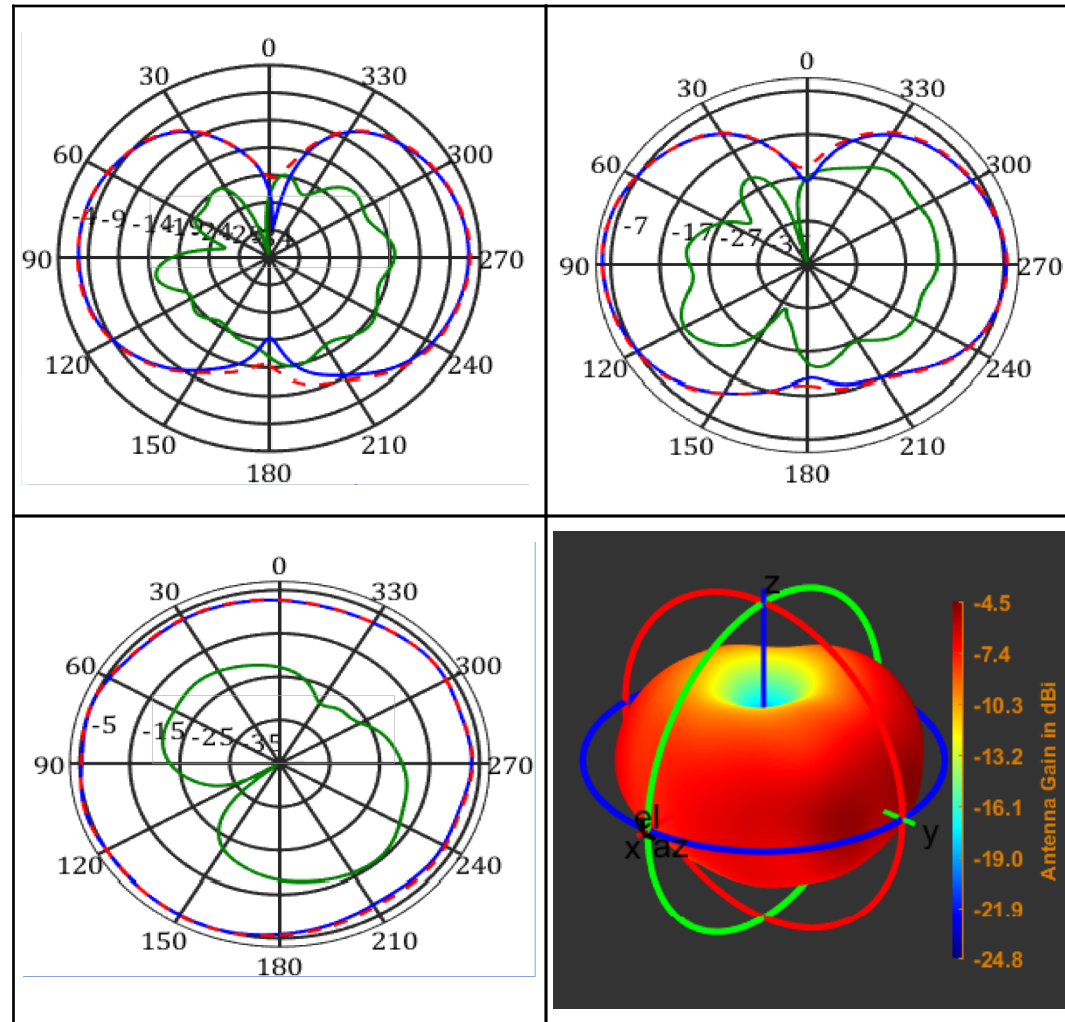
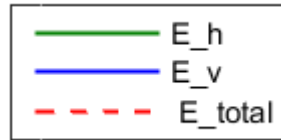


天线增益与效率
Antenna gain and efficiency

天线		
Freq(MHz)	Efficiency (%)	Gian(dBi)
500	32.50	-1.57
510	32.81	-1.26
520	31.06	-1.31
530	27.15	-1.57
540	22.62	-2.20
550	18.48	-3.24
560	15.43	-1.52
570	12.91	-1.21
580	10.60	-1.07
590	8.39	-1.21
500	6.17	-1.20



天线辐射方向图 Antenna Radiation Pattern



Thanks for your support!
感谢您的支持！

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