

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

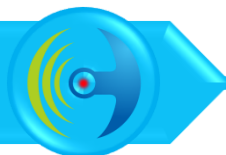
项目型号 640-690M 弹簧天线

天线型号

测 试 许高富

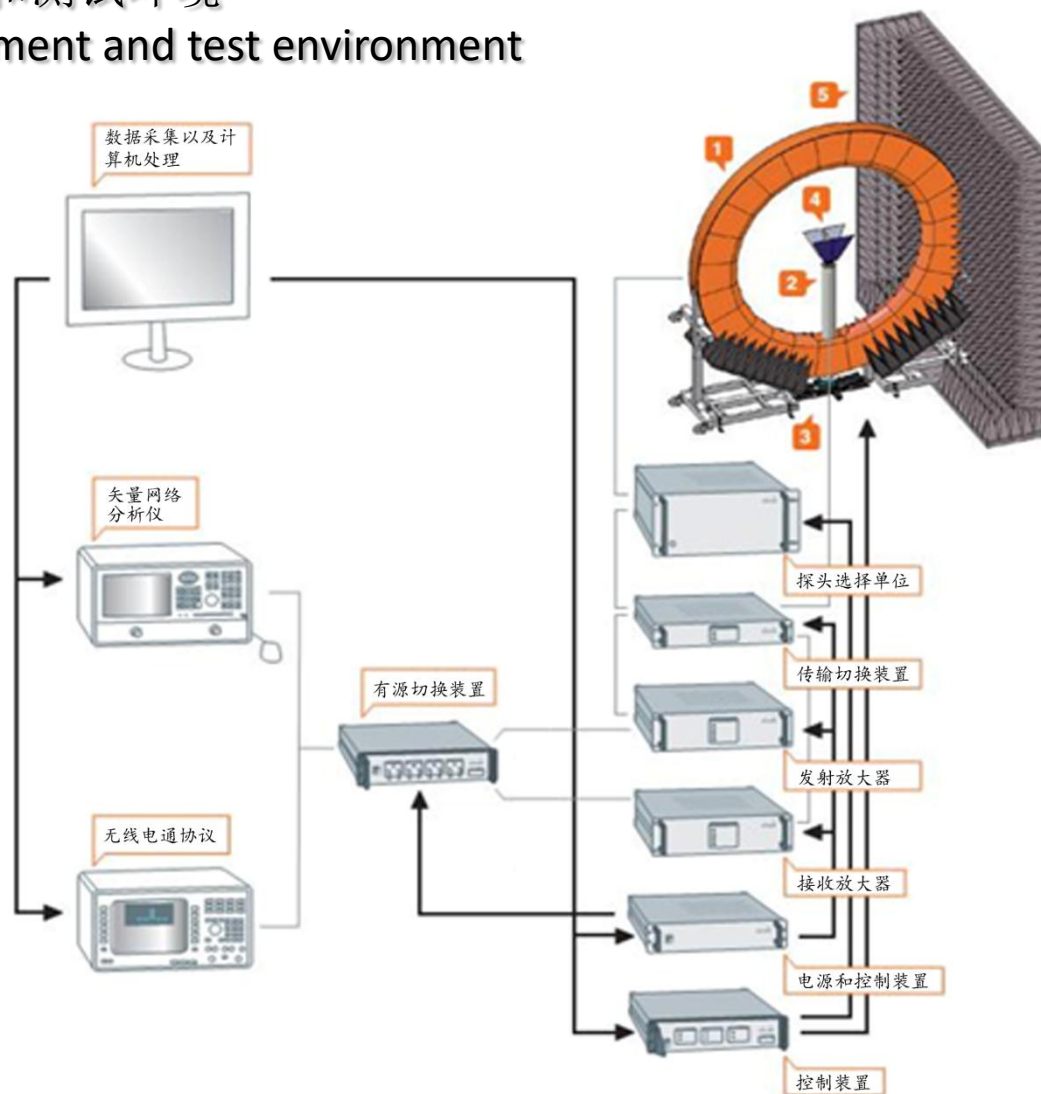
审 核 陈泽雄

日 期 2025-12-26



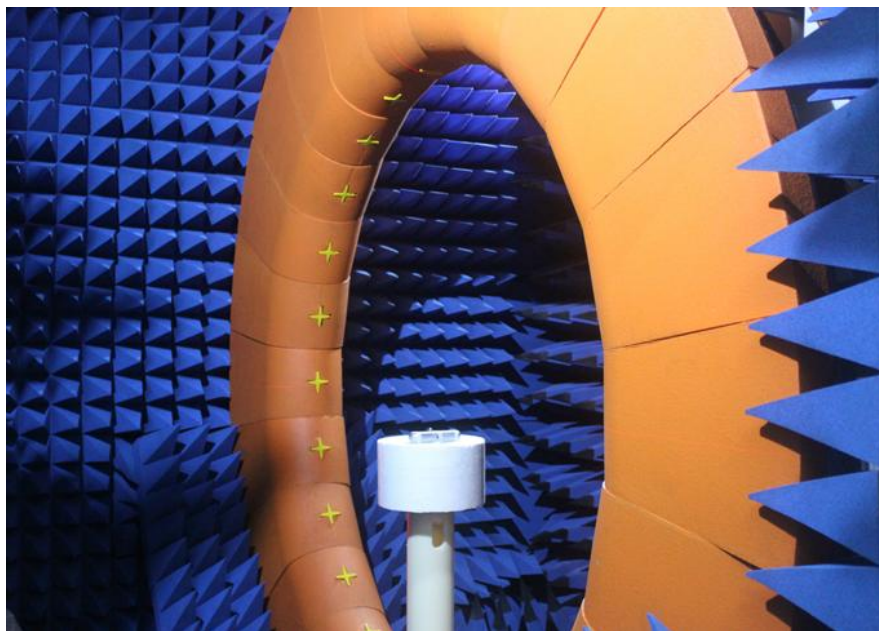
测试设备和测试环境

Test equipment and test environment





测试设备 Test equipment



探头微波暗室

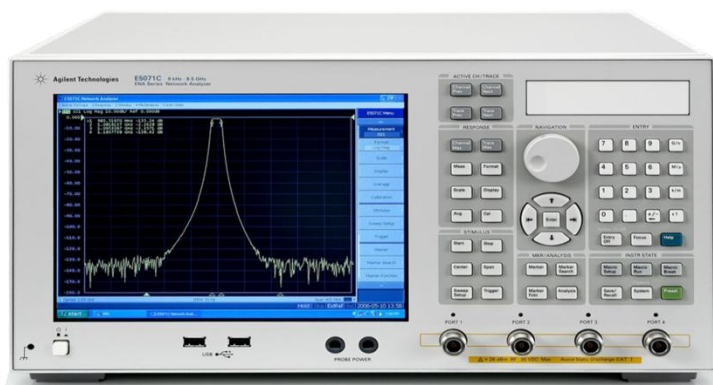
➤ 频率：0.4GHz至6GHz

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



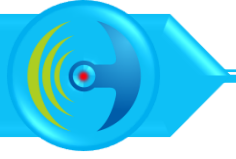
Agilent E5071C矢量网络分析仪

- 频率：300 kHz至8.5GHz

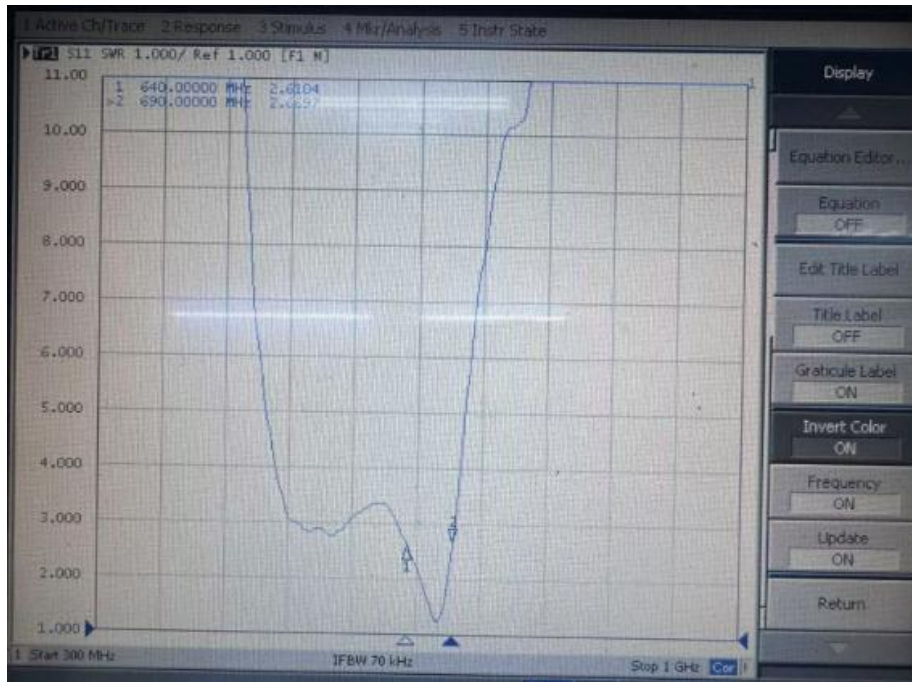


R&S CMW500 宽带无线通信测试仪

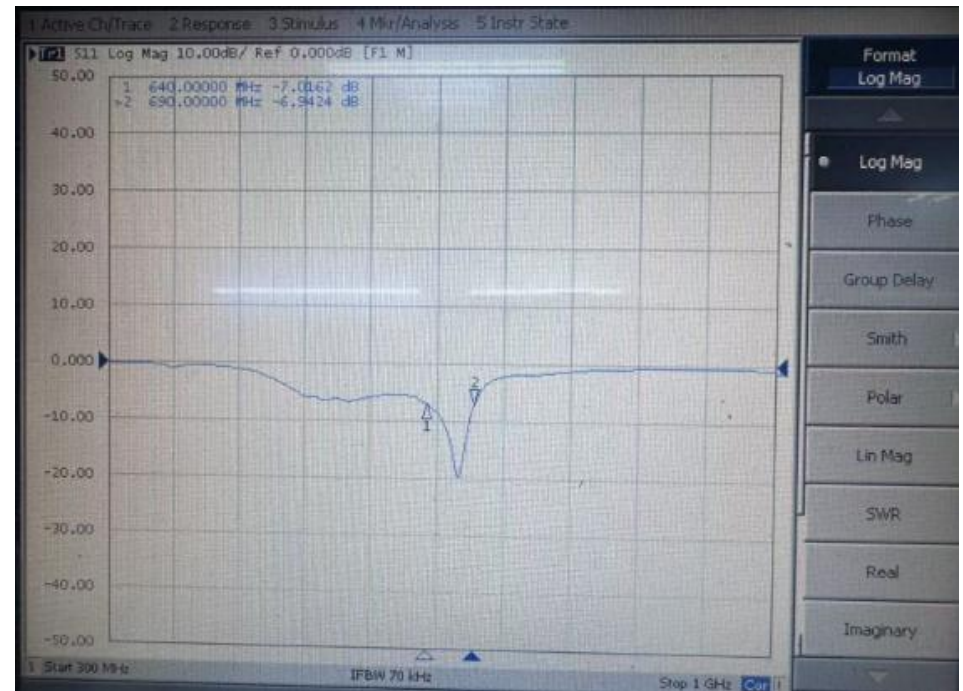
- GSM/3G/4G
- WIFI/ Bluetooth
- NB-IoT



天线驻波比
Antenna SWR



天线回波损耗
Antenna Return loss

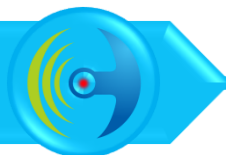




天线增益与效率

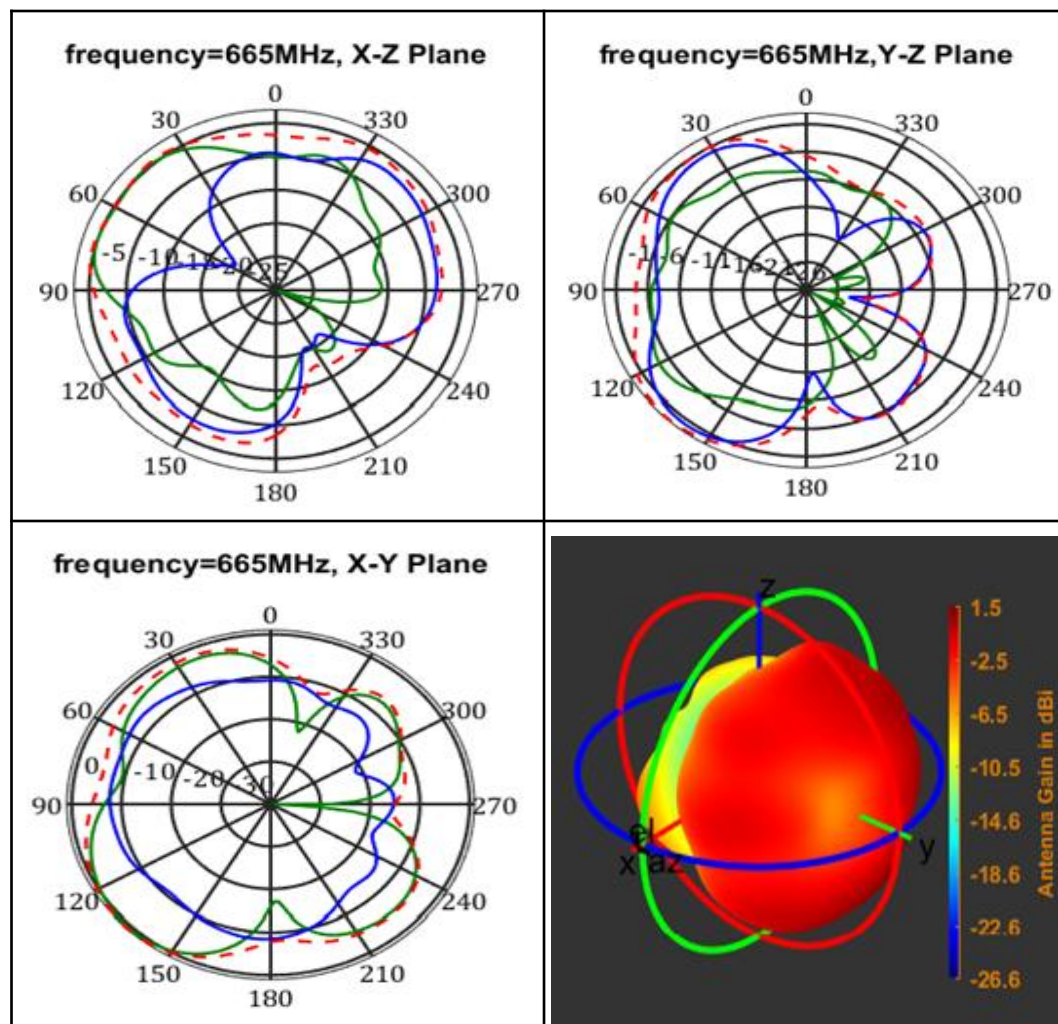
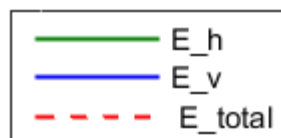
Antenna gain and efficiency

Freq(MHz)	Efficiency (%)	Gian(dBi)
640	35.49	1.32
645	35.13	1.51
650	34.43	1.45
655	34.21	1.70
660	33.65	1.38
665	36.08	1.40
670	36.48	1.42
675	35.54	1.41
680	33.40	1.29
685	32.20	1.43
690	30.62	1.68



天线辐射方向图

Antenna Radiation Pattern



Thanks for your support!
感谢您的支持!

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