

天线测试报告

Antenna test report

项目型号_____

天线型号_____

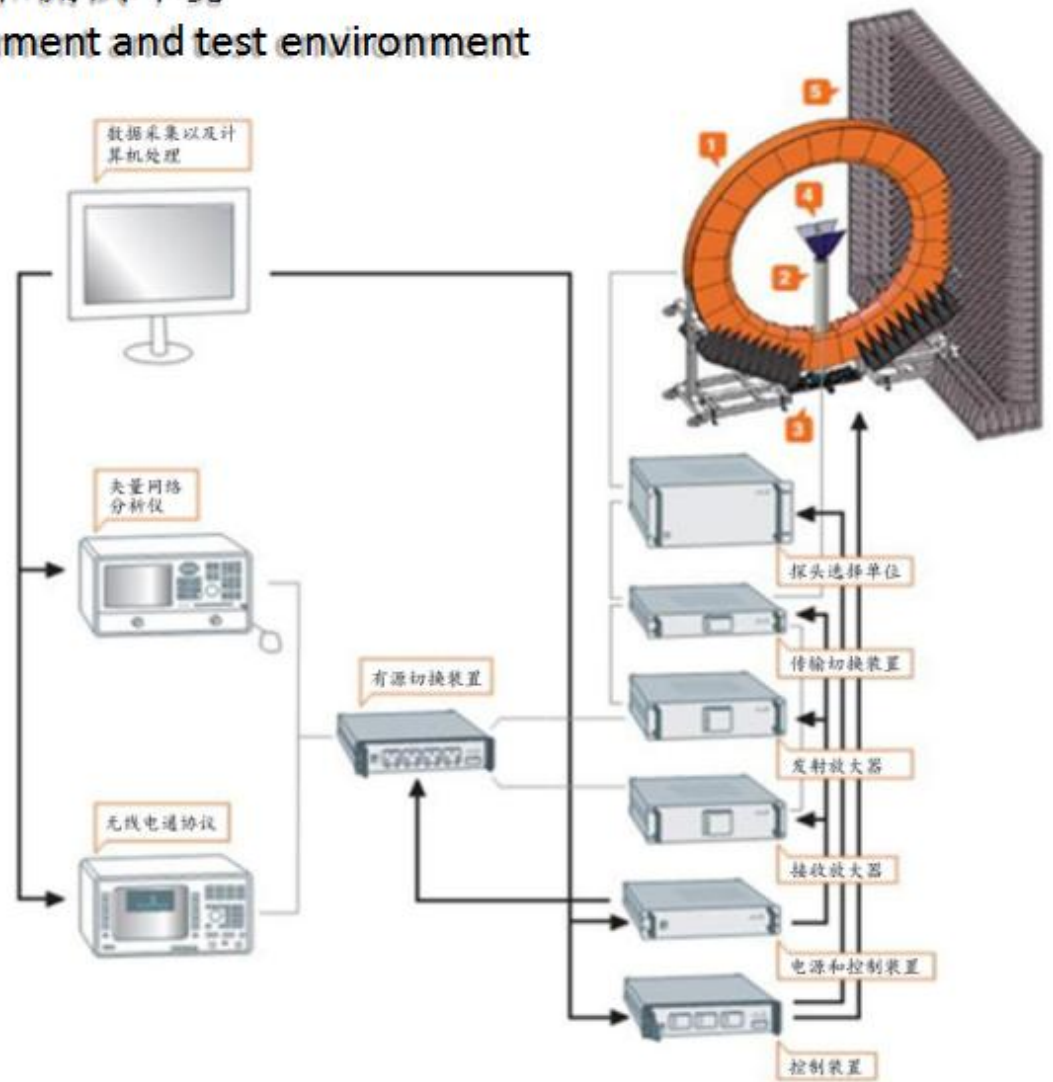
测 试_____许 涛

审 核_____康锦煌

日 期_____2022-03-26

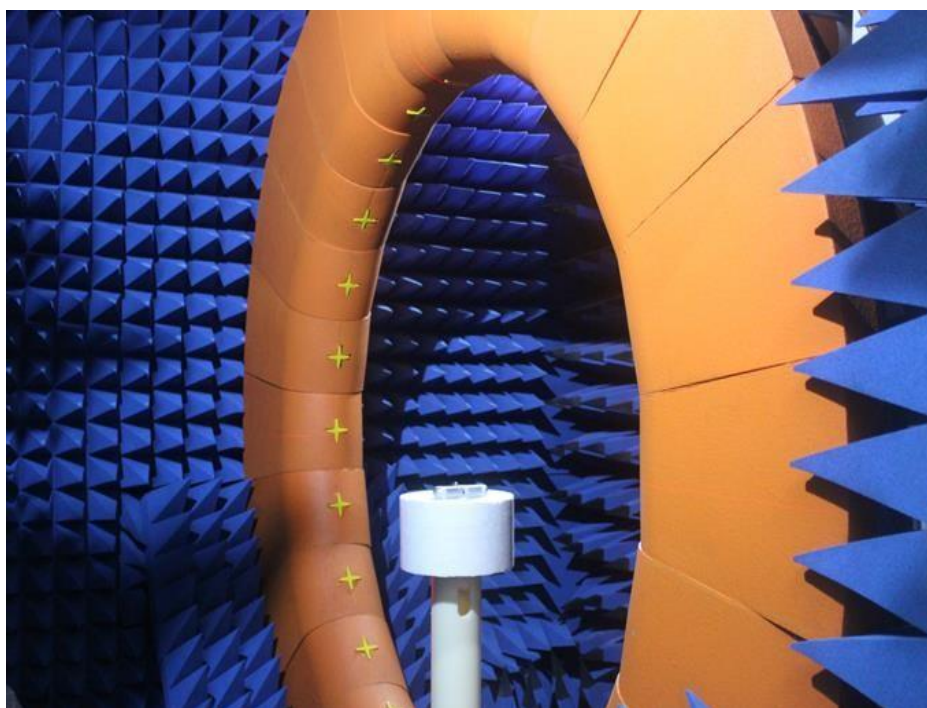
测试设备和测试环境

Test equipment and test environment



测试设备
Test equipment

主要测试指标



- ▲ 无源指标
- ▲ 增益
- ▲ 功率
- ▲ 3D 方向图
- 有源指标
- TRP总辐射功率
- TIS总接收灵敏度

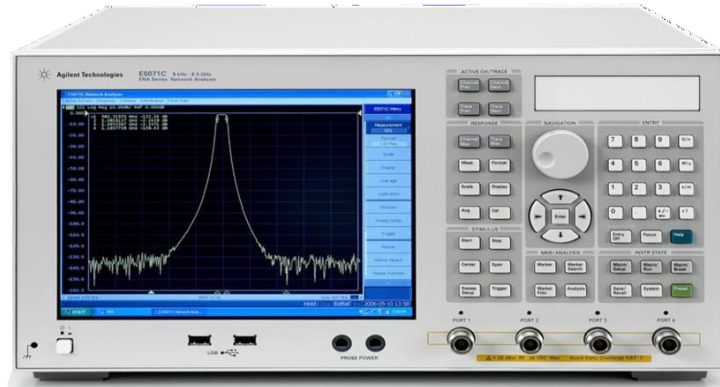
探头微波暗室

频率：0.4GHz 至 6GHz

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测试设备

Test equipment



Agilent E5071C 矢量网络分析仪

➤ 频率：300 kHz 至 8.5GHz



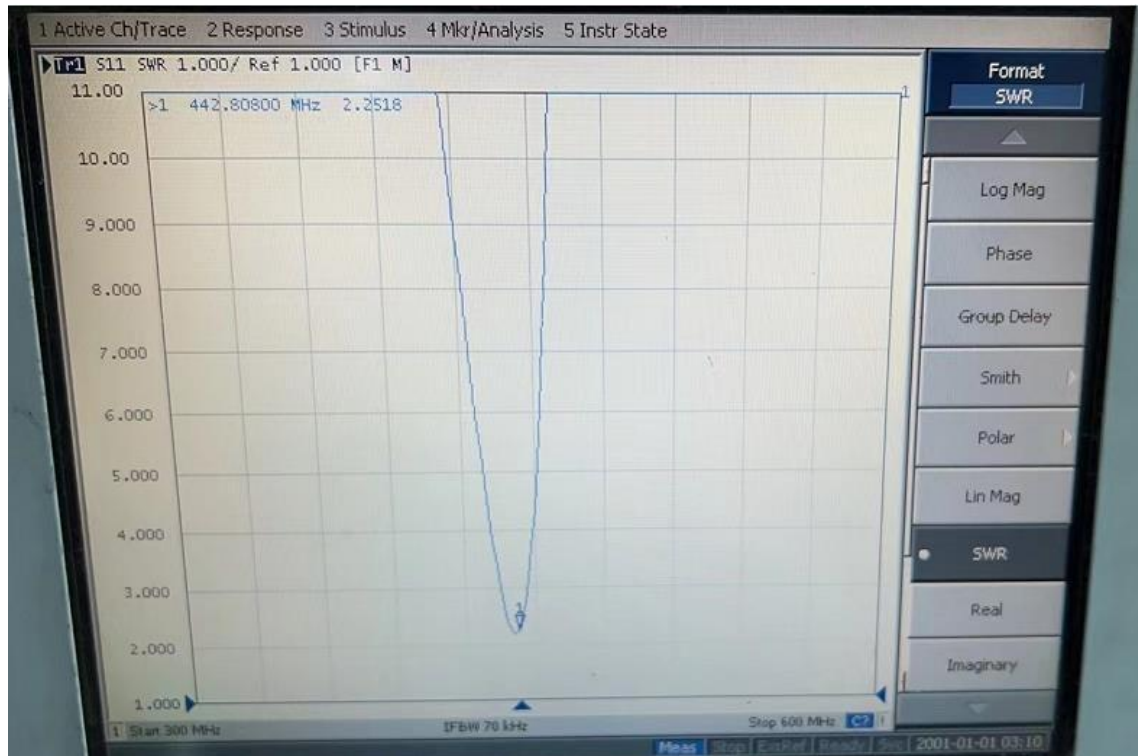
R&S CMW500 宽带无线通信测试仪

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

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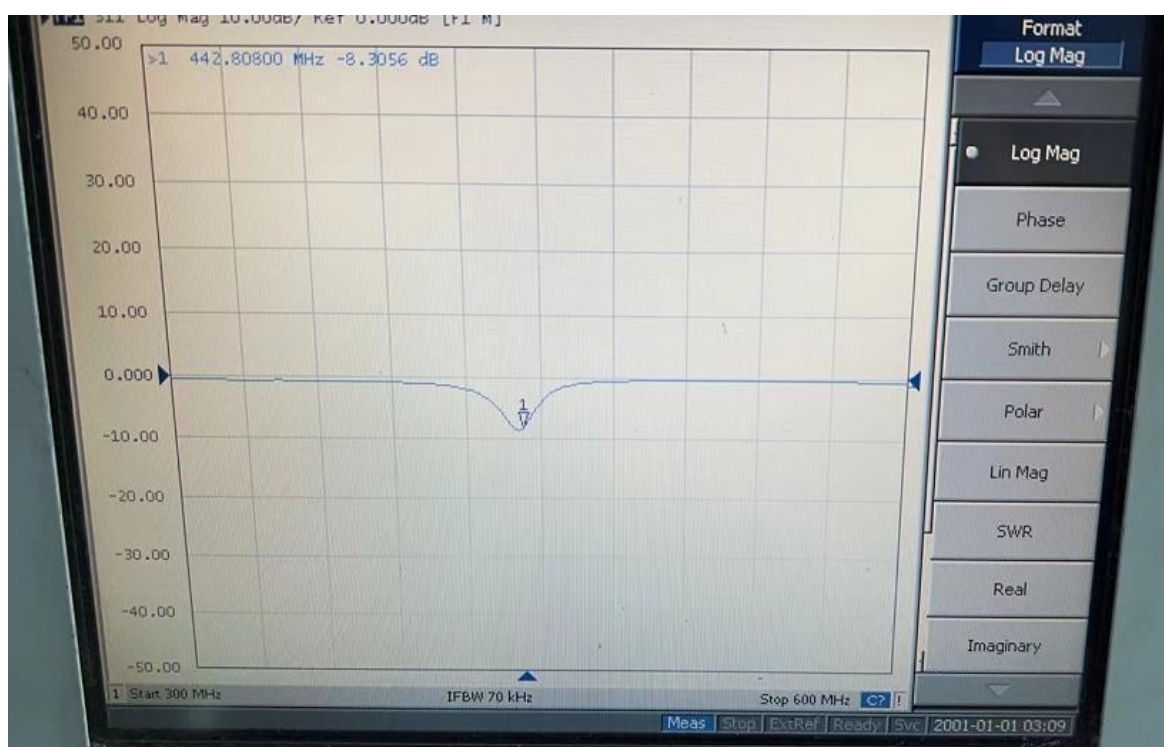
天线驻波比

Antenna SWR



天线回波损耗

Antenna Return loss



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天线增益与效率

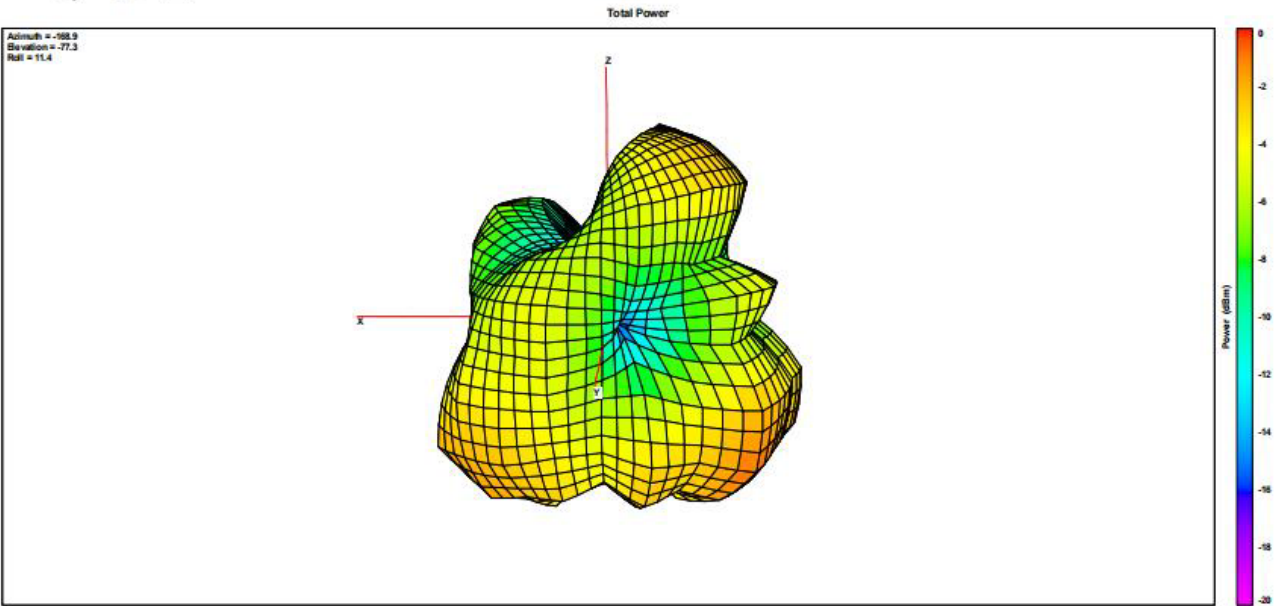
Antenna gain and efficiency

天线		
Freq(MHz)	Efficiency (%)	Gian(dBi)
2400 MHz	25.59	-0.36
2450 MHz	25.82	-0.08
2500 MHz	25.93	-0.84

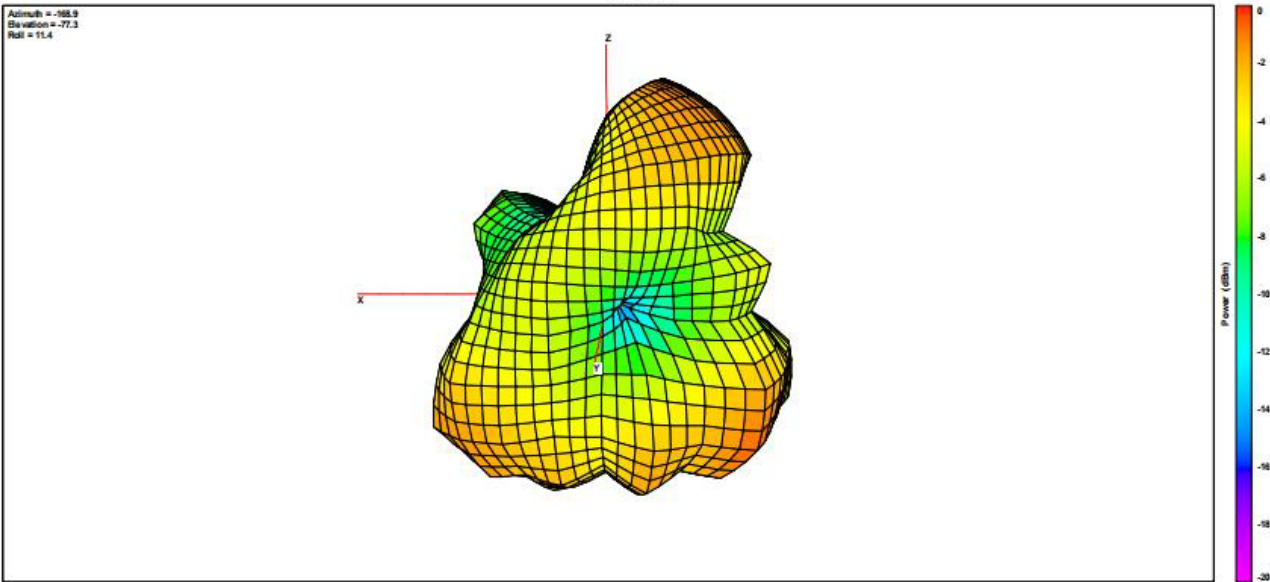
天线辐射方向图

Antenna Radiation Pattern

a) 3D 图



2400MHz



2450MHz

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