FEIMIN
飞敏科技

专业天线服务商
Professional Antenna Service Provider

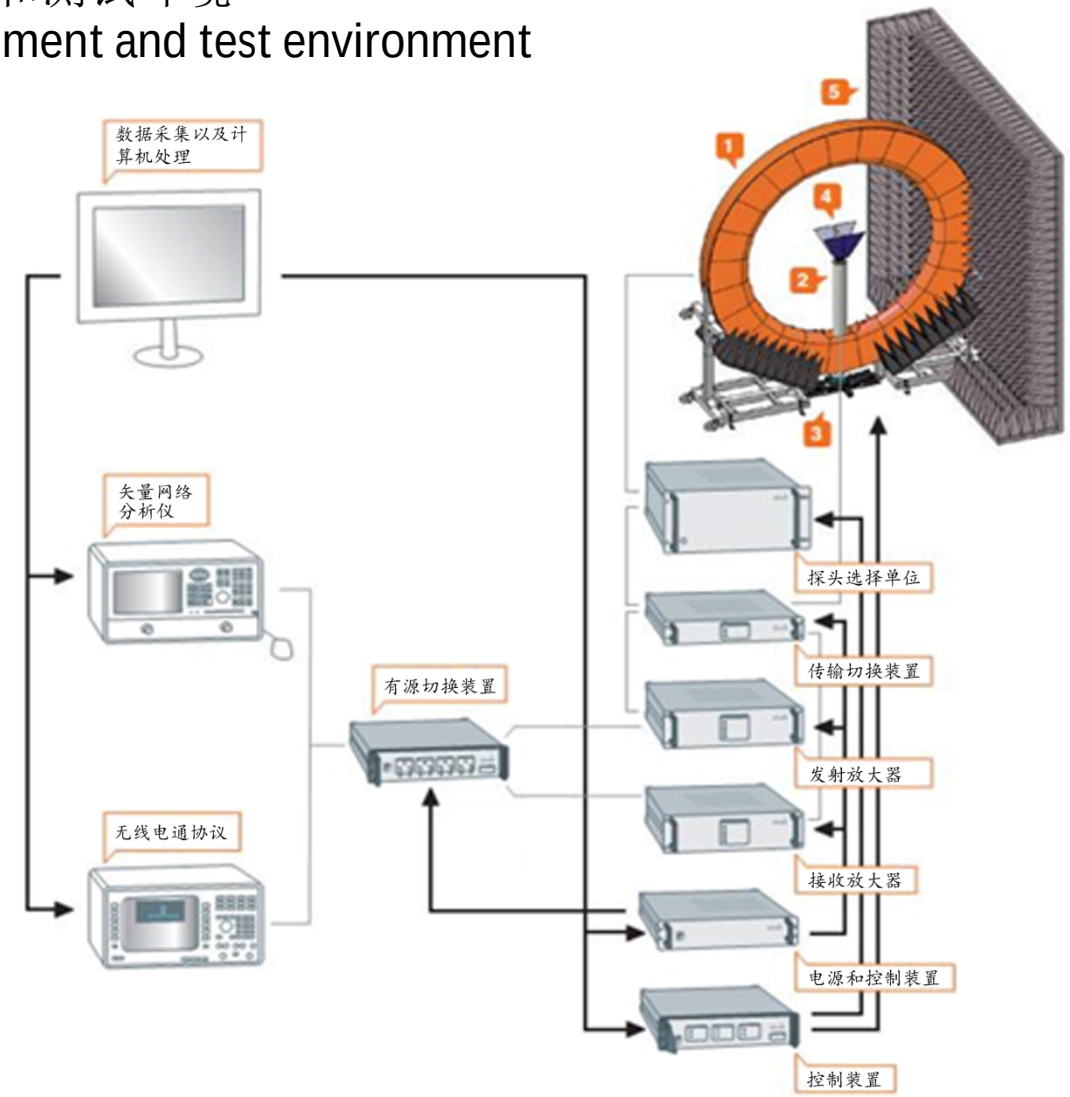
深圳市飞敏科技有限公司
SHENZHEN FEIMIN TECHNOLOGY CO.,LTD.

天线测试报告

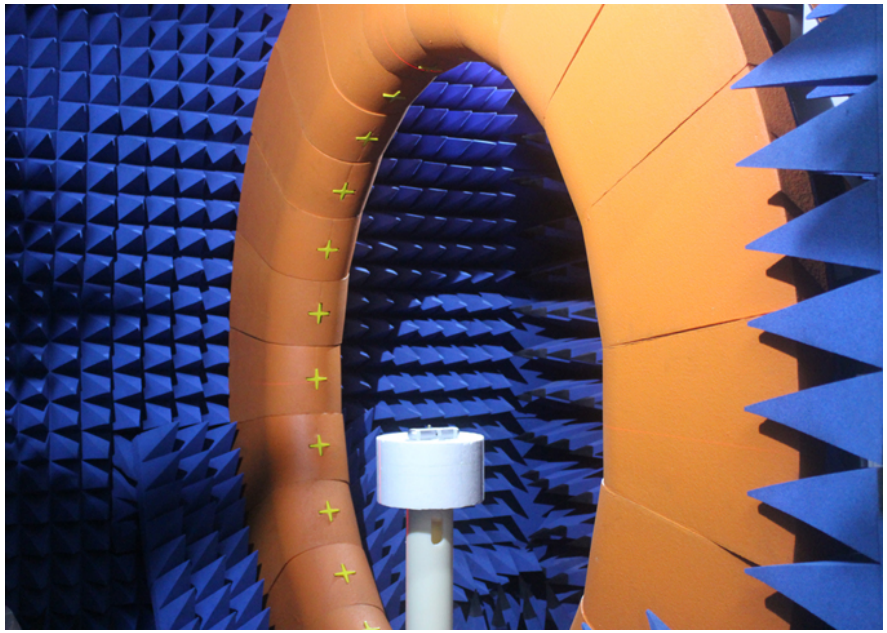
Antenna test report

项目型号 Project model	遥控器Remote control TX
天线型号 Antenna model	
测　　试 Test	许高富Xu Gaofu
审　　核 Audit	陈泽雄Chen Zexiong
日　　期 Date	2025-7-16

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 anechoic chamber

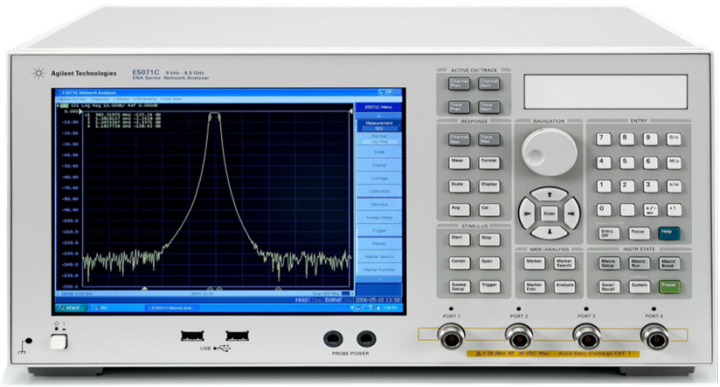
- 频率：0.4GHz至6GHz
- Frequency：0.4GHz to 6GHz

主要测试指标
Main test indicators

◆无源指标Passive Parameters
◆增益Gain
◆效率Radiation Efficiency
◆3D方向图3D Radiation Pattern

- 有源指标Active Parameters
- TRP总辐射功率Total Radiated Power
- TIS总接收灵敏度 Total Isotropic Sensitivity

测试设备
Test equipment



Agilent E5071C矢量网络分析仪
Agilent E5071C Vector Network Analyzer

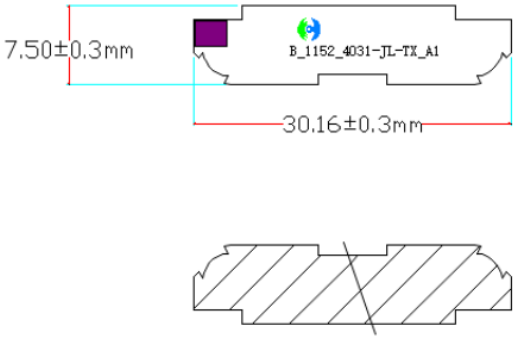
- 频率：300 kHz至8.5GHz
- Frequency：300 kHz to 8.5GHz

R&S CMW500 宽带无线通信测试仪
R&S CMW500 Broadband Wireless Communication Tester

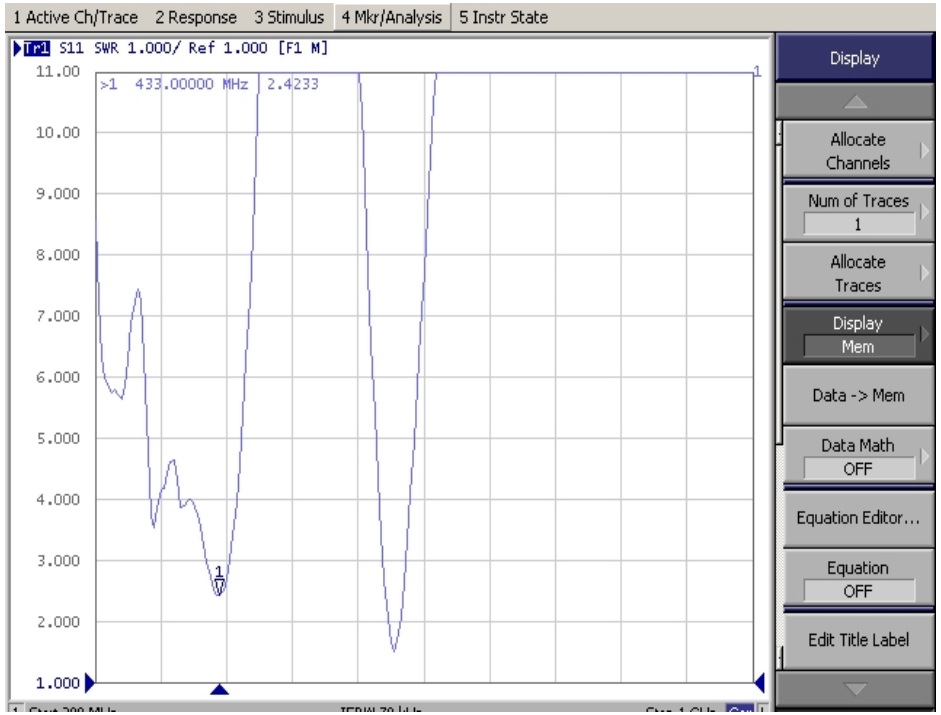
- GSM/3G/4G
- WIFI/ Bluetooth
- NB-IoT

天线安装位置以及天线尺寸
Antenna installation position and antenna size

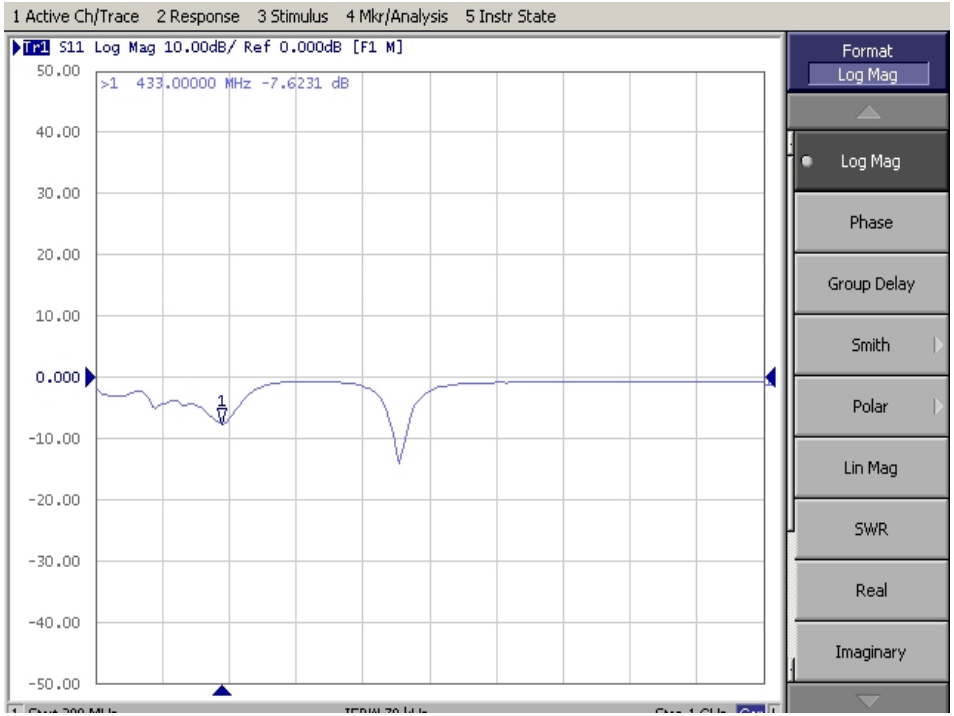
天线装配位置及方式
Antenna installation position and method



天线驻波比
Antenna SWR



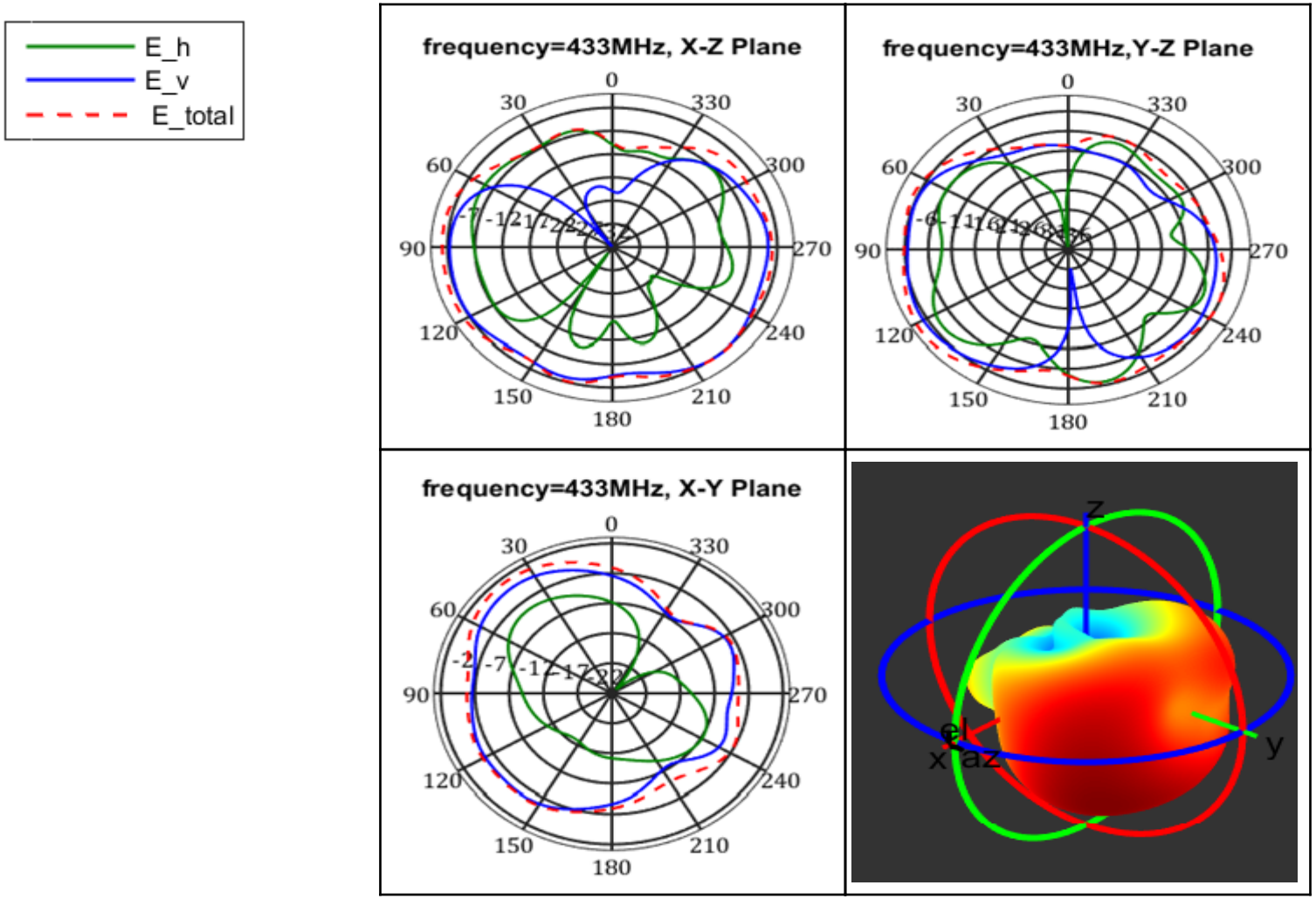
天线回波损耗
Antenna Return loss



天线增益与效率
Antenna gain and efficiency

Freq(MHz)	Efficiency (%)	Gian(dBi)
415	14.56	-3.85
418	12.10	-5.47
421	14.14	-4.15
424	13.32	-4.88
427	15.66	-3.54
430	14.43	-4.74
433	20.56	-2.22
436	11.94	-5.82
439	13.82	-4.82
442	12.00	-6.01
445	14.10	-4.64

天线辐射方向图
Antenna Radiation Pattern



Thanks for your support!
感谢您的支持！

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