

2.4G Antenna Specification

Manufacturer: Sichuan Changhong Neonet Technologies Co.,Ltd.

Address: #35,East Mianxing Road,High-Tech Park, Mianyang, Sichuan, China

2 instructions

This report includes several equipment, test environment and test results for the electrical performance of the antenna, as well as structural drawings and inspection reports of the antenna.Below is a picture of the antenna。

3 Product specifications

Electrical Specifications	
Frequency Range (MHz)	2400-2500
Gain (dBi)	-0.54
电压驻波比 VSWR	≤2
输入阻抗 Input Impedance (Ω)	50
极化方式 Polarization	Vertical
接头型号 Input connector type	

4 耐久性测试

1	盐雾试验 SAIT SPRAY TEST	盐水喷雾试验：依 GB1266-86 标准蒸馏水： 一次蒸馏PH6.5~7 喷雾量：1.4me80cm ² /h 压缩空气压力： 1Kgf/ cm ² 试验相对度：98° 温度：45° ~47° 压力温度：35° 测试时间：24hr Brine spray test: distilled water according to GB1266-86 standard: single distillationPH6.5~7 Spray volume: 1.4me80cm ² / H compressed air pressure: 1kgf / cm ² Test Relativity: 98 ° Temperature: 45 ° ~ 47 ° Pressure temperature: 35 ° Test time: 24hr	所有规格变华 范围初始值 30% All characteristic range is 30% of the initial value
2	高温试验 HEAT TEST	在 85+2℃环境中放 96 小时，再放在正常环境中 30 分钟后进行测试 85+2℃ for 96 hours, after keep in normal condition for 30mim the to test.	
3	中温试验 HUMIDITY TEST	在 40+2℃ 90-95%RH 环境中放 96 小时，再放在 正常环境中 30 分钟后进行测试40+2℃ 90-95%RH for 96hours, after keep in normal condition for 30mim the to test.	
4	底温试验 COLD TEST	在-40+2℃ 环境中放 96 小时，再置放正常环境中 30 分钟后进行测试 -40+2℃ for 96hours, after keep in normal condition for 30mim the to test.	

5 电气性能测试 Electrical performance test

5.1 测试设备 Test equipment and environment

测试设备



SATIMO-24



ETS



模拟人头手



安捷伦8960



安利MT8820C



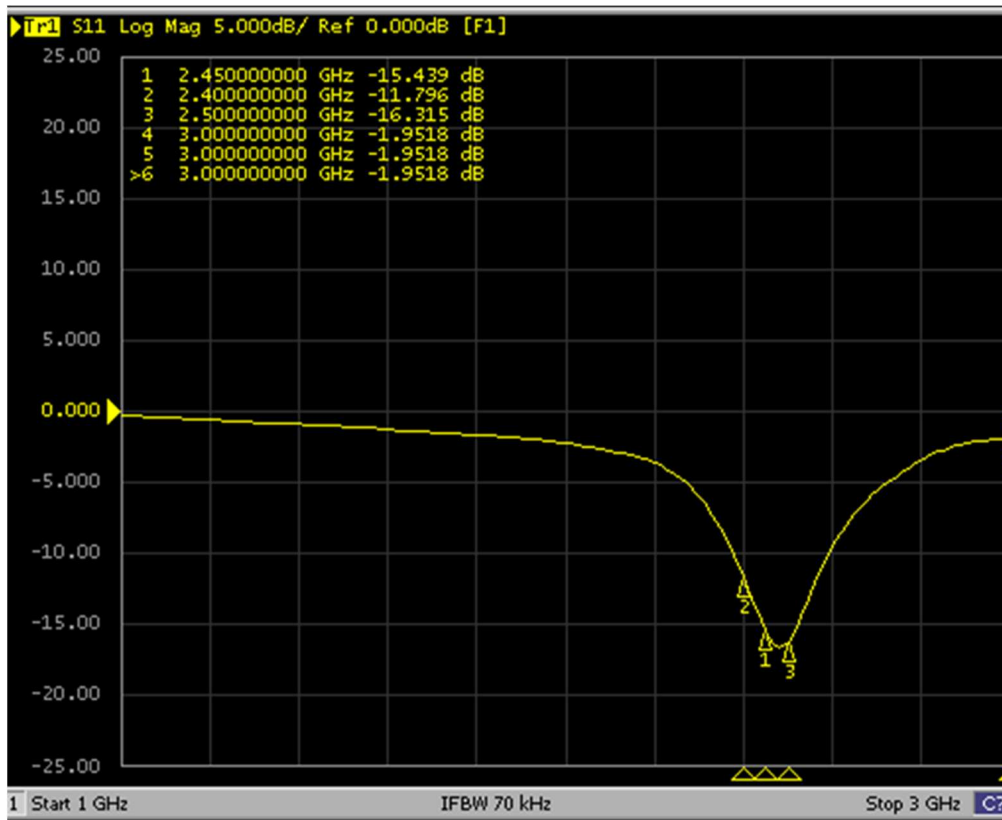
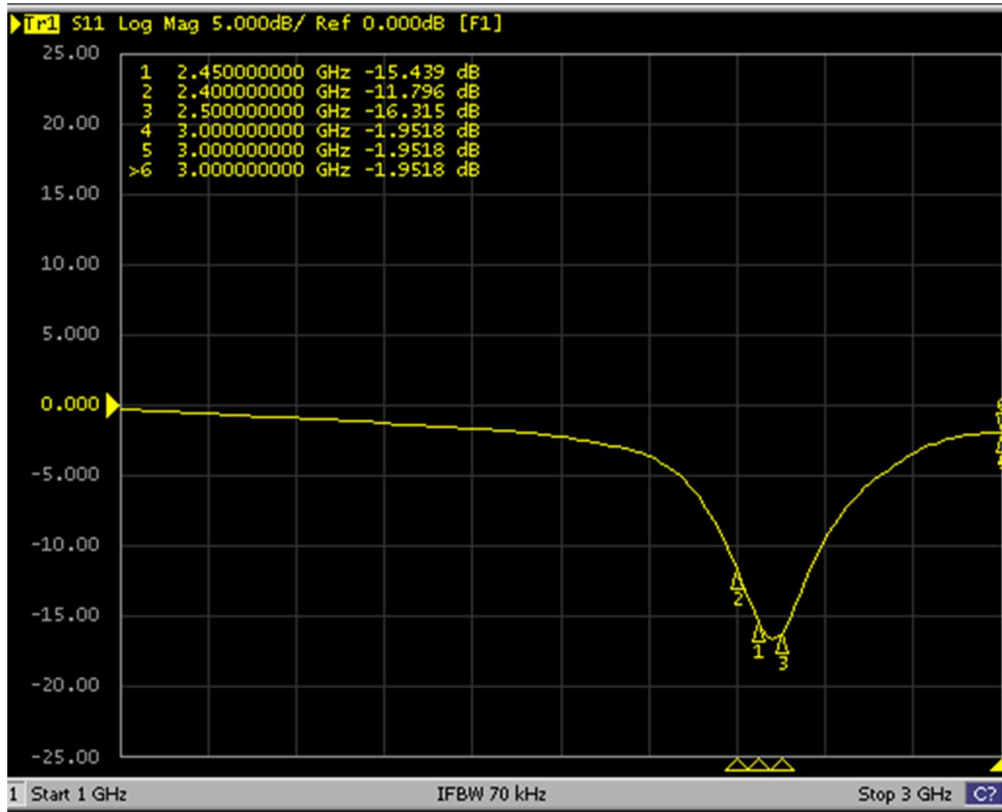
CMW500



安捷伦E5071C

测试系统	测试环境	有源测试	无源测试
SATIMO—24	温度：22℃ ± 3℃	支持2G/3G/4G	400MHZ——6G
ETS	湿度：50% ± 15%	BT/WIFI/GPS	

5.2 天线回损与驻波Antenna Return Loss(RL) and SWR

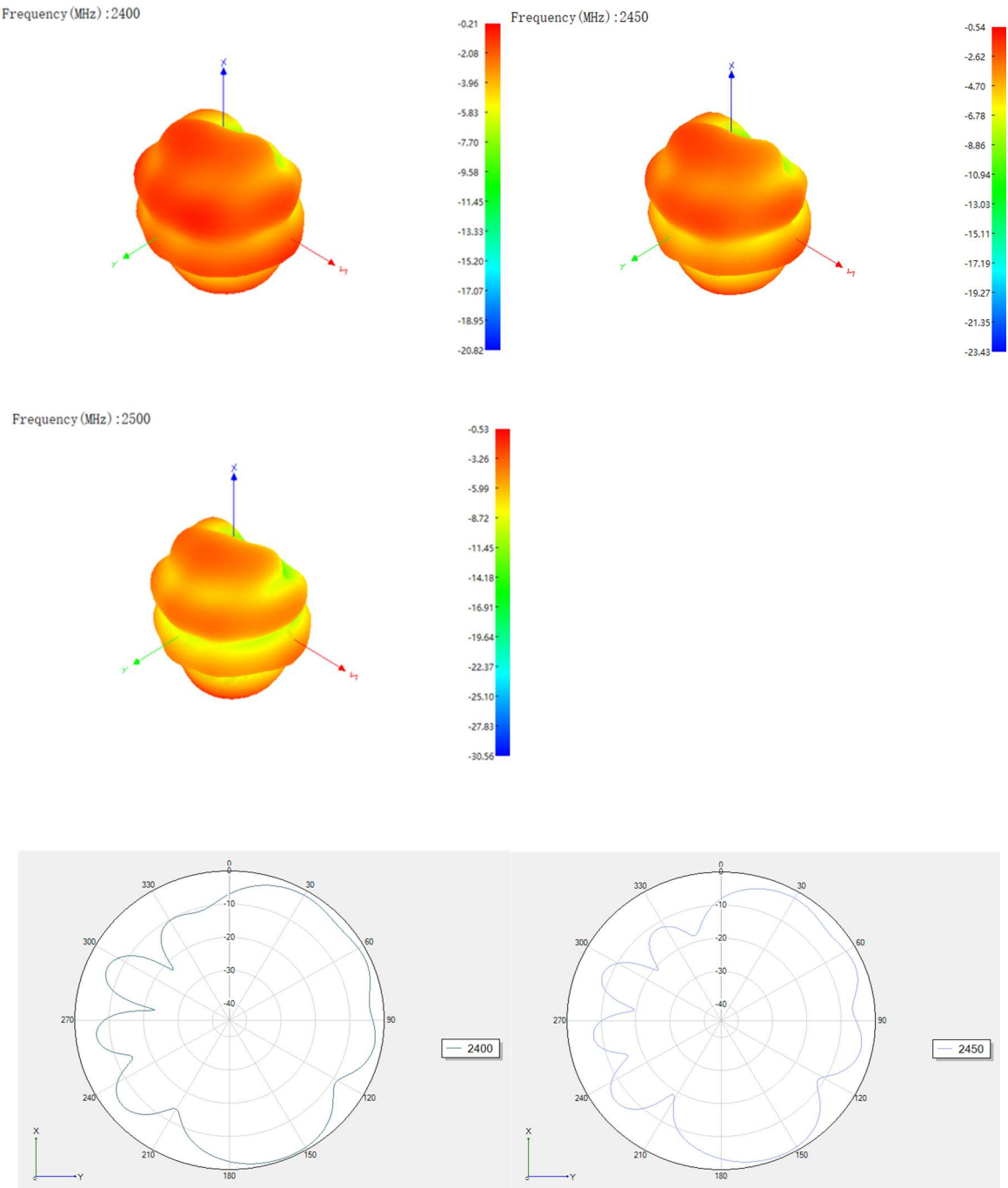


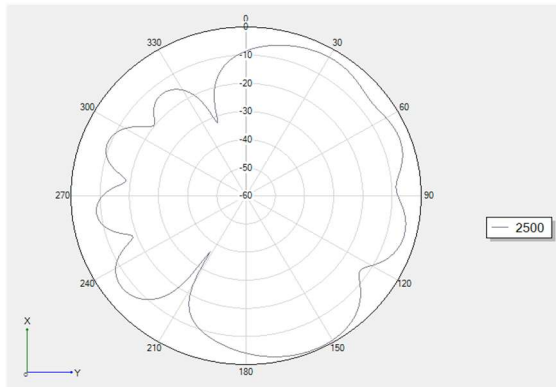
5.3 天线无源数据 Antenna passive test data

Test Point ID	Freq. (MHz)	Gain (dBi)	Efficiency (%)
1	2400.0	-0.21	41.4%

2	2450.0	-0.54	46.5%
3	2500.0	-0.53	42.6%

天线方向图





6 Engineering drawings

