

PRODUCT SPECIFICATION

Product description: 433MHZ Antenna
 Part number: YNX-433Mhz-3dB-002
 Date: 2012-10-16
 Note: 433MHz, SMA male

| 客户签名 | | | 深圳市雅诺讯科技有限公司 | | |
|------|----|----|--------------|-------------|-------------|
| 核准 | 审核 | 检查 | 核准 | 审核 | 检查 |
| | | | 黄 杰 武 | 詹 秋 文 | 方 珊 梅 |



Shenzhen Yetnorson Technology Co., Ltd.

Website: <http://www.yetnorson.com/>
 E-mail: sales06@ynxantenna.com

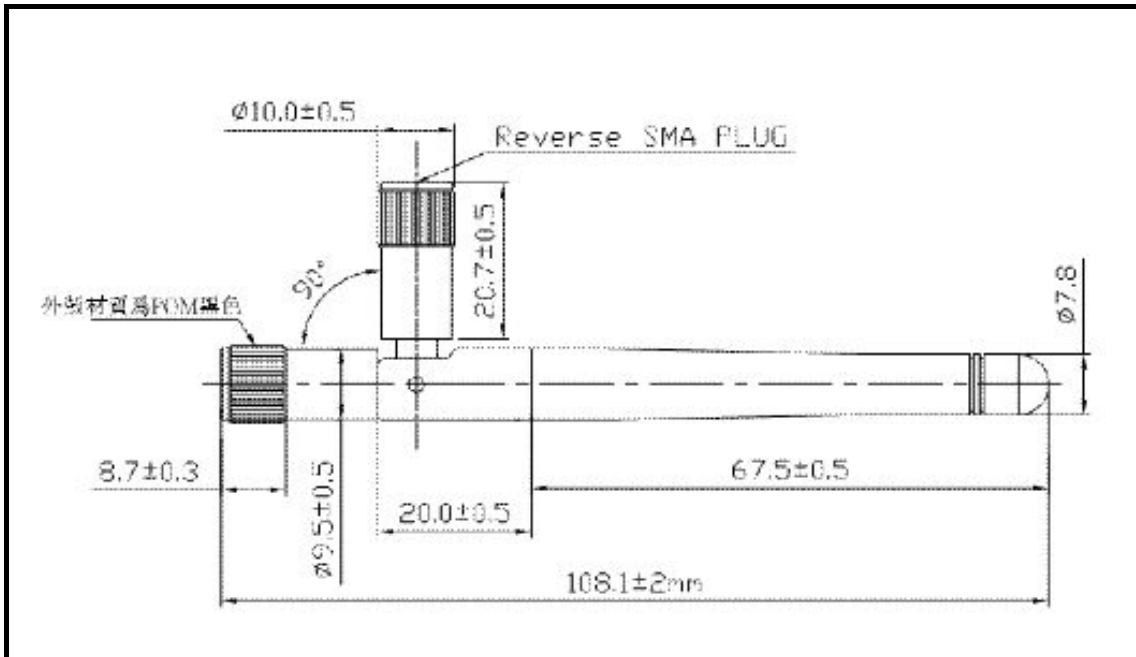
1. PRODUCT TECHNICAL SPECIFICATION

| Electrical Specifications | |
|---|---------------------------|
| Frequency Range (MHz) | 433mhz |
| Bandwidth (MHz) | 48 |
| Input Impedence (Ω) | 50 |
| V.S.W.R | ≤ 1.5 |
| Gain (dBi) | 2 |
| Polarization Type | Vertical |
| Max Input Power (w) | 50 |
| Mechanical Specifications | |
| Antenna Length (mm) | 108mm |
| Material | Plastic |
| Connect Type | SMA male |
| Radiator | Cuprum |
| Working Temp($^{\circ}\text{C}$) | -40~60 $^{\circ}\text{C}$ |
| Storage Temperature($^{\circ}\text{C}$) | -20~40 $^{\circ}\text{C}$ |
| Radome Color | Black |

2. PRODUCT PICTURE

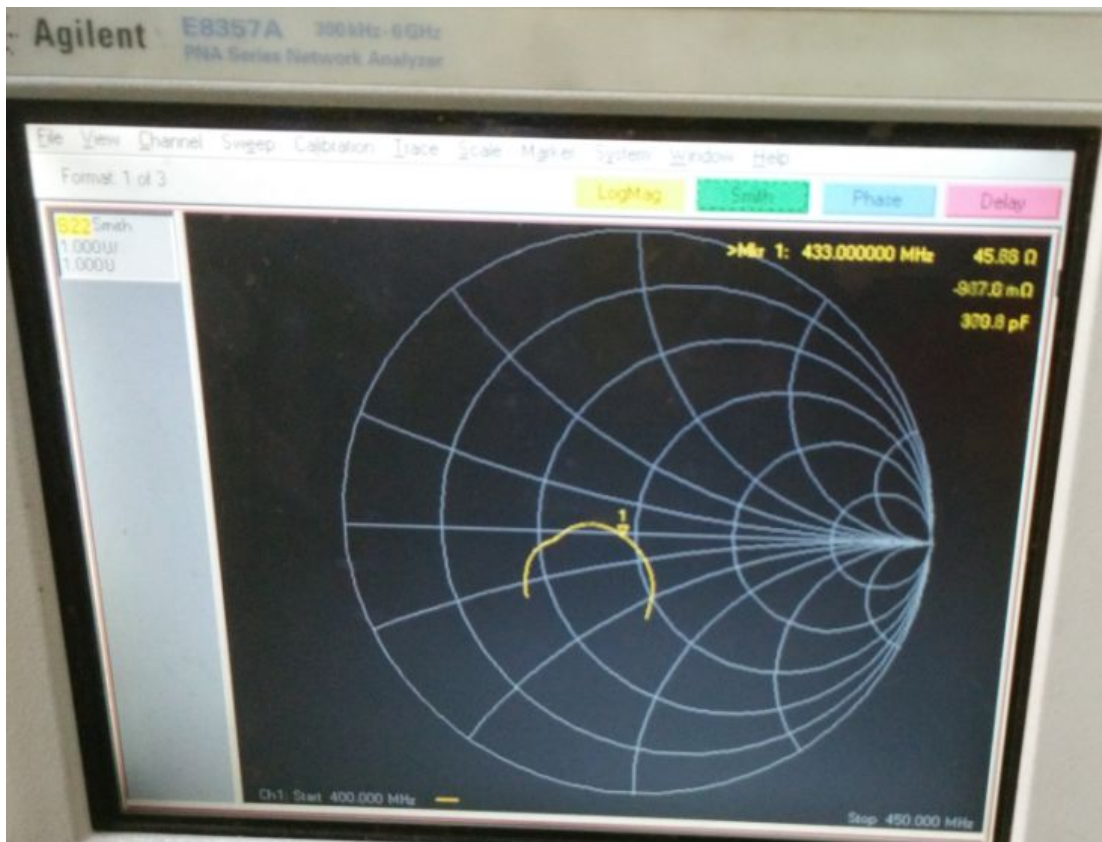
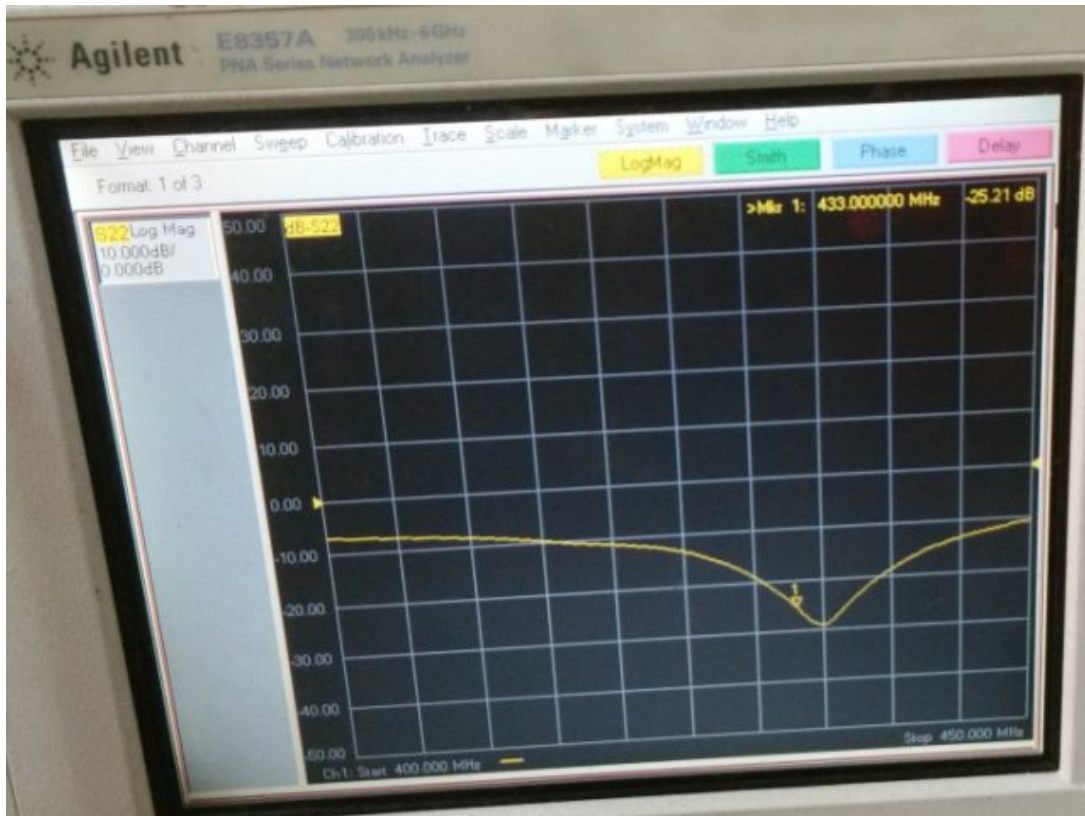


3. PRODUCT SPECIFICATION CHART



4. RF test PATTERN





5. ELECTRIC APPLIANCE CHARACTERISTICS

| 项目ITEM | | 测试环境TEST CONDITION | 规格SPECIFICATION |
|--------|-----------------------|--|-----------------|
| 1 | 返回损耗 Return Loss | 使用Agilent网络分析仪8753ET测量天线 S11之返回损耗参数 Using Agilent Network Analyzer 8753ET to Measure Antenna S11 Return Loss Characteristics. | |
| 2 | 电压驻波比 VSWR | 使用Agilent网络分析仪8753ET测量天线 S11之电压驻波比参数 Using Agilent Network Analyzer 8753ET to Measure Antenna S11 VSWR Characteristics. | |
| 3 | 阻抗 Smith chart | 使用Agilent网络分析仪8753ET测量天线 S11之史密斯阻抗参数 Using Agilent Network Analyzer 8753ET to Measure Antenna S11 Gain Response Characteristics. | |
| 4 | 增益效应 Gain response | 使用Agilent网络分析仪8753ET测量天线 S21之史密斯阻抗参数 Using Agilent Network Analyzer 8753ET to Measure Antenna S21 Gain Response Characteristics. | |

6. DURABILITY

| | | | |
|---|-------------------------|---|--|
| 1 | 盐雾试验 SALT 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：96hr | 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°C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°C for 96 hours, after keep in normal condition for 30mim the to test. | |
| 3 | 温试验 HUMIDITY TEST | 在40+2°C 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°C 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°C 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°C for 96hours, after keep in normal condition for 30mim the to test. | |