

# 产 品 规 格 书

## PRODUCT SPECIFICATION SHEET

物料名称

APPELLATION: N2450 天线

产品型号

PART NUMBER: YXS-N2450-IPX110

### 1、 产品技术指标 (PRODUCT TECHNICAL SPECIFICATION)

| 电性能指标 Electrical Specifications |                                 |
|---------------------------------|---------------------------------|
| 频率范围 Frequency Range (MHz)      | 2400 ~ 2500 MHz                 |
| 输入阻抗 Input Impedence            | Input Impedence ( $\Omega$ ) 50 |
| 电压驻波比 V.S.W.R                   | $\leq 0.9$                      |
| 极化形式 Polarization Type          | 垂直 Vertical                     |
| 雷电保护 Lightning Protection       | 直流接地                            |
| 功率容量 Power Capacity (w)         | 50                              |
| 机械指标 Mechanical Specifications  |                                 |
| 天线尺寸 Antenna Length (mm)        | 长 X 宽 X 厚: 47 X 7.3 X 0.5       |
| 线长                              | 100mm                           |
| 辐射体 Radiator                    | 铜 Cuprum                        |

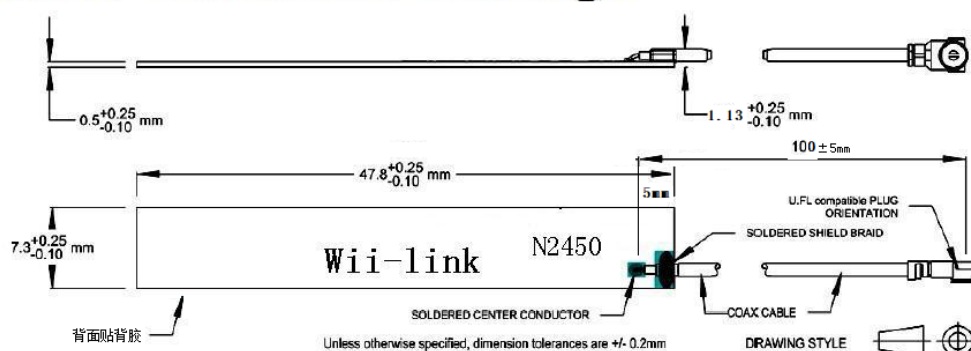
|                              |                                                     |
|------------------------------|-----------------------------------------------------|
| 连接器型号 Connect Type           | IPEX                                                |
| 工作温度 Working Temp(°C)        | -40~60                                              |
| 储藏温度 Storage Temperature(°C) | -20~40                                              |
| 重量 Weight (g)                | 11.5                                                |
| Manufacturers                | Shenzhen Reliance Technology<br>Development Co. LTD |

#### Product introduction

N2450 is our 2.4GHz built-in PCB antenna, omnidirectional gain day, the effect is comparable to the wireless router commonly used external rod omnidirectional antenna. Cost-effective!

## 2、 产品规格图(PRODUCT SPECIFICATION CHART)

### Product Dimension Drawings



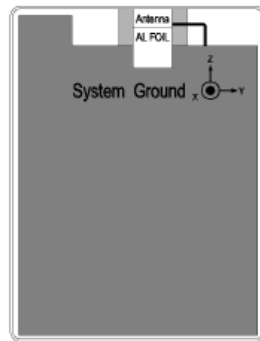
## 3、 驻波图 (STATIONARY WAVE PATTERN)



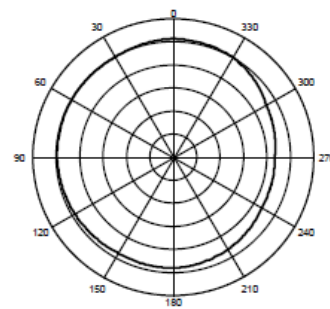
#### 4. Overflow test

## ANTENNA GAIN & EFFICIENCY

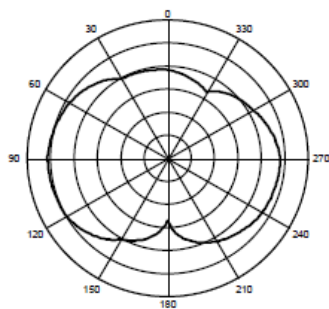
| FREQUENCY (GHz) | AVERAGE GAIN (dBi) | EFFICIENCY (%) | PEAK GAIN (dBi) |
|-----------------|--------------------|----------------|-----------------|
| 2.40            | -5.1               | 61.2           | 0.4             |
| 2.45            | -4.7               | 68.2           | 0.7             |
| 2.50            | -5.1               | 61.1           | 0.9             |



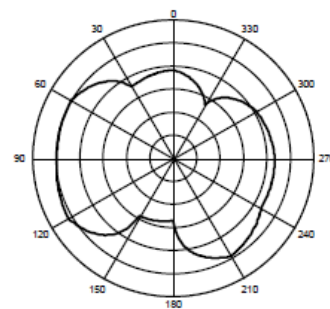
Device Setup & Coordinates



X-Y Plane



X-Z Plane



Y-Z Plane

Antenna radiation patterns at 2.45 GHz