

Shenzhen DayBetter Optoelectronics Co., Ltd.

深圳天好光电有限公司

产品规格书

PRODUCT SPECIFICATION

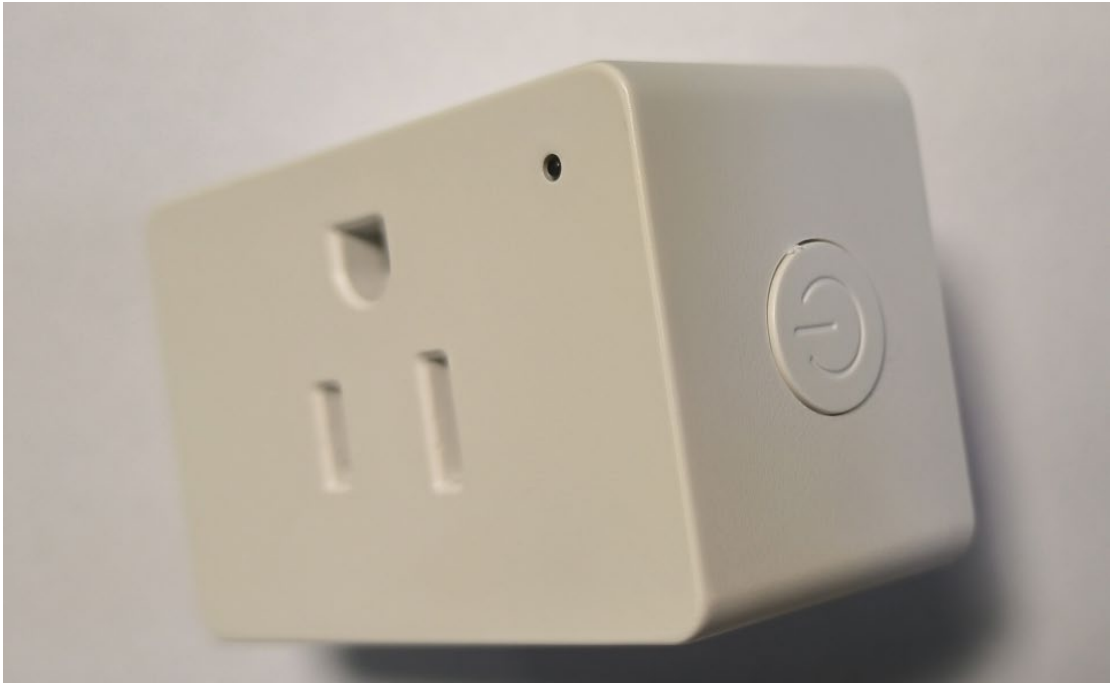
|                                |               |
|--------------------------------|---------------|
| 客户<br>Customer                 |               |
| 客户编码<br>Customer's part number |               |
| 产品型号<br>Model No. :            | US-ZH-B151-W1 |
| 工作频段<br>Working Band           | 2400-2500MHz  |
| 发行日期<br>Issue Date             | 2024-04-12    |
| 发行版本<br>Release Version        | A             |

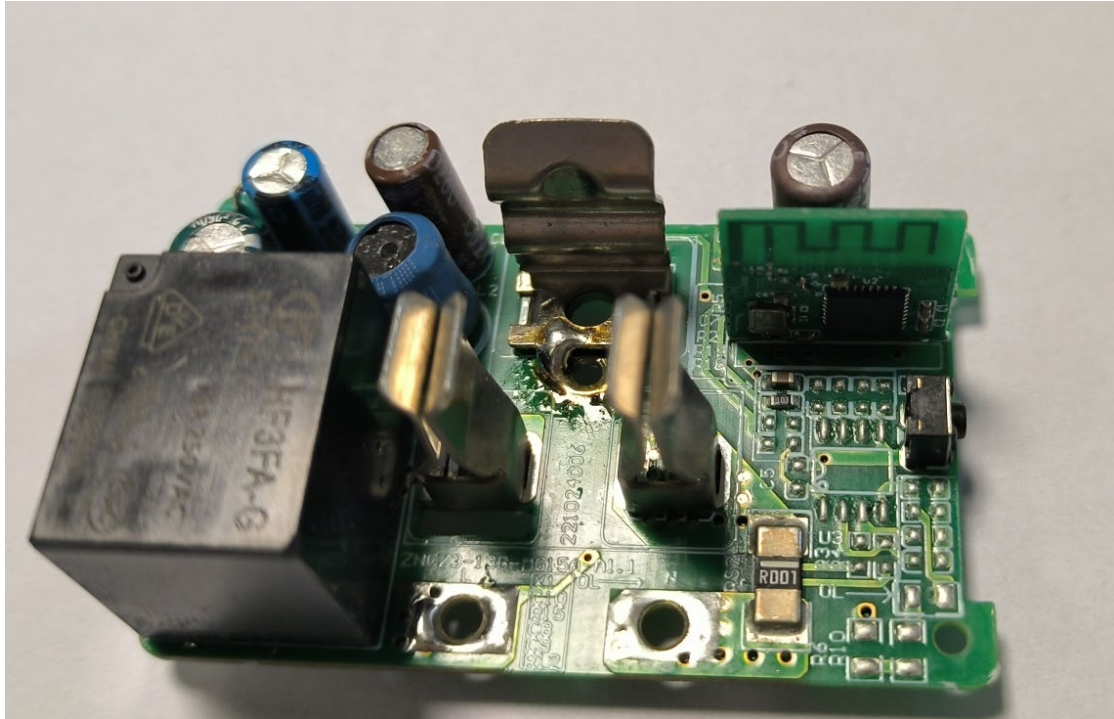
Address: 4F, BUILDING 2, ANTUOSHAN HI-TECH PARK, BAOAN DISTRICT, SHENZHEN 518000, China

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     |
| 频带宽度 Bandwidth (MHz)              | 100           |
| 输入阻抗 Input Impedence ( $\Omega$ ) | 50            |
| 电压驻波比 VSWR                        | <3            |
| 最大增益 MAX Gain (dBi)               | -1.52         |
| 极化形式 Polarization Type            | 垂直极化 Vertical |

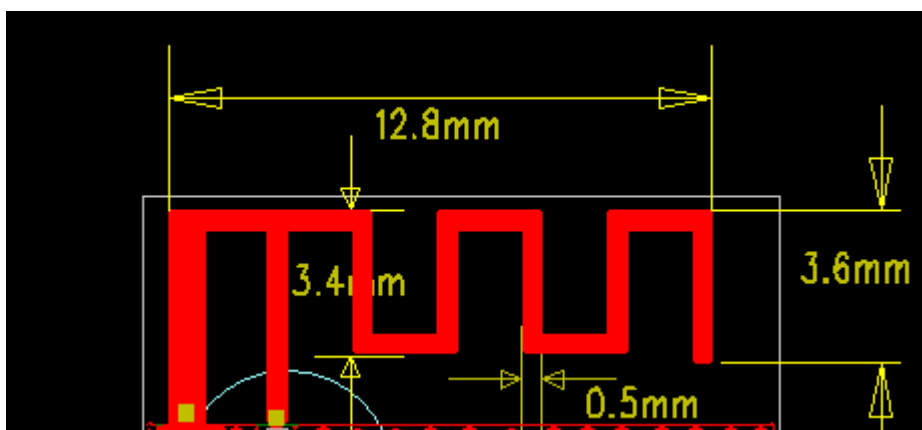
产品图片





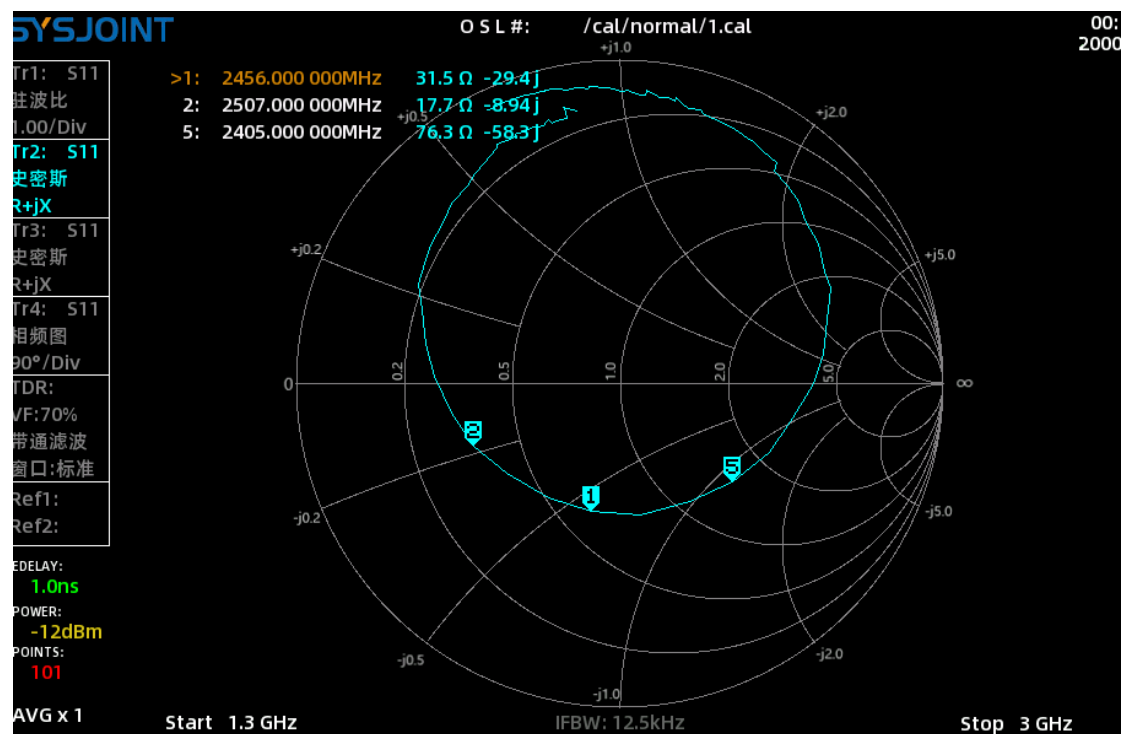
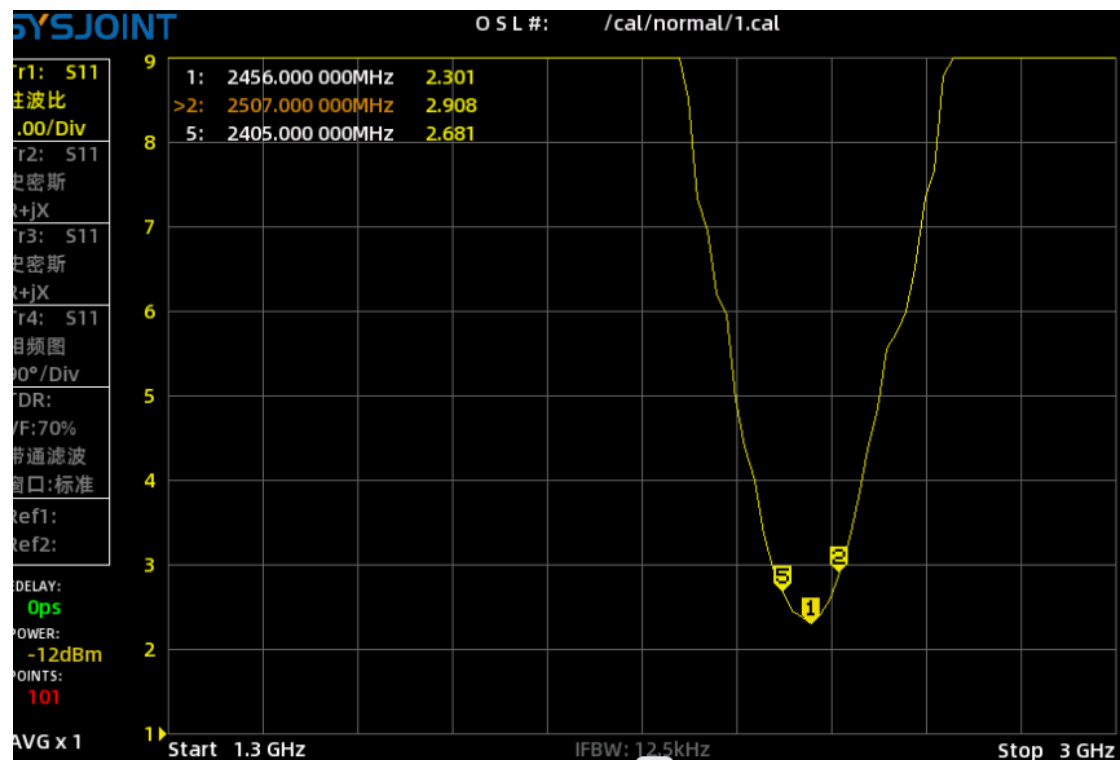
## 2. Nano Dongle PIFA antenna design specification:

Antenna dimensions as blow picture show: the material is FR4 and the thickness is 1mm of PCB.



Nano Dongle PIFA Antenna

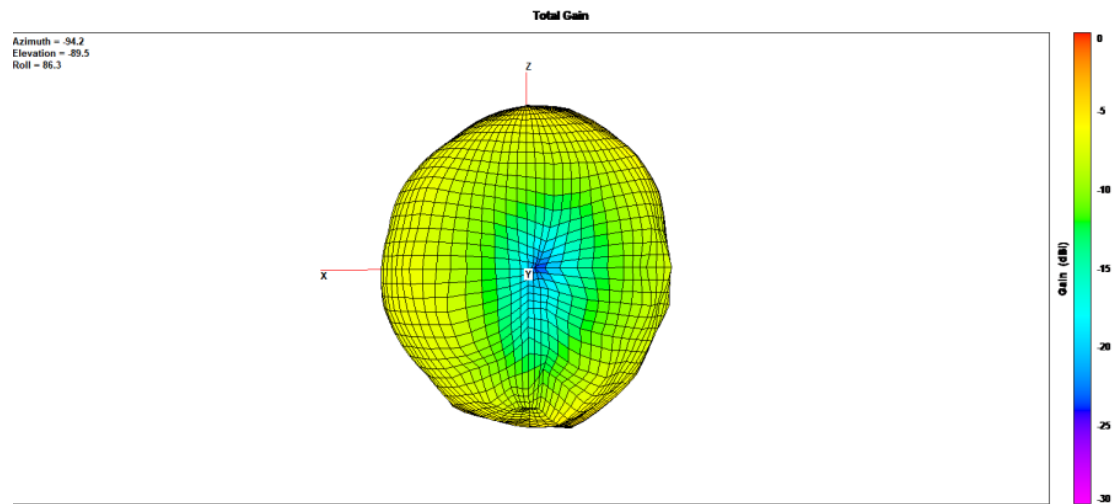
The performance of S11 as blow show and the working frequency band cover 2.4G ISM.



Nano Dongle PIFA S11 performance

3. The gain of this antenna 2D and 3D as blow show and the maximum gain is about -1.52dBi.





Nano Dongle PIFA gain