

# 深圳市亿圣邦科技有限公司

## 样品承认书

### SPECIFICATION FOR APPROVAL

公 司 名 称 (客户填写): 深圳市亿莱顿科技有限公司  
物 料 代 码 (客户填写):  
规 格 型 号 (客户填写): WT1018  
承 认 日 期 (客户填写):  
供 应 商 名 称 (SLK 填写): 深圳市亿圣邦科技有限公司  
供 应 商 规 格 型 号 (SLK 填写): WIFI:SLK-YLD-4312A-R-130I-B

### 承 认 签 章

|                                                                |     |     |              |     |     |
|----------------------------------------------------------------|-----|-----|--------------|-----|-----|
| 供 应 商 承 认 (SLK 填写栏)                                            |     |     | 深圳市亿莱顿科技有限公司 |     |     |
| 工 程 师                                                          | 审 核 | 批 准 | 工 程 师        | 审 核 | 批 准 |
| 曾立文                                                            | 黄震  | 林美财 | 刘建红          |     |     |
| 盖章签署                                                           |     |     | 盖章签署         |     |     |
| 日 期 2023-08-04                                                 |     |     | 日 期          |     |     |
| 批示: <input type="checkbox"/> 接受 <input type="checkbox"/> 有条件接受 |     |     |              |     |     |
| 备注 (客户填写):                                                     |     |     |              |     |     |

The name of the supplier: Shenzhen Yishengbang Technology Co., LTD

Supplier address:101, Building C, Qianwan Hard Technology Industrial Park,  
Nanchang Community, Xixiang Street, Bao'an District, Shenzhen

telephone: 18666299104

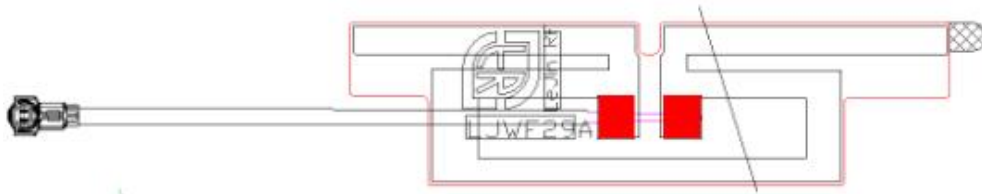
telephone: 18666299104

# WIFI Antenna (4312A)

## 1. Explanation of Product number :

**S L K - Y L D - 4 3 1 2 A - L - 1 3 0 I - B**

**1                      2                      3                      4                      5**



Product Code:

(1) Customer:

YLD:亿莱顿

(2) Project:

4312A: SLK-YLD-4312A (WIFI antenna)

(3) Welding Position

R: Right

(4) Cable Length:

130I: 130\*1.13MM 一代端子

(5) Cable Color

B:Black

## 2. Features

- \*Stable and reliable in performances
- \*Compact size
- \*RoHS compliance

## 3. Applications

- \* IEEE802.11 (a/b/g/n)
- \* Hand-held devices when WIFI (802.11a/b/g/n) functions are needed

## 4. Description

Holy bond's FPC antenna series are specially designed for WIFI (802.11 a/b/g/n) applications. Based on Holy bond's proprietary design and processes, this FPC antenna has excellent stability and sensitivity to consistently provide high signal reception efficiency.

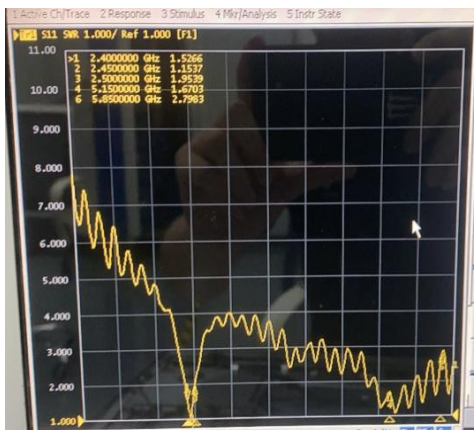
## 5. Electrical Specifications

### 5-1

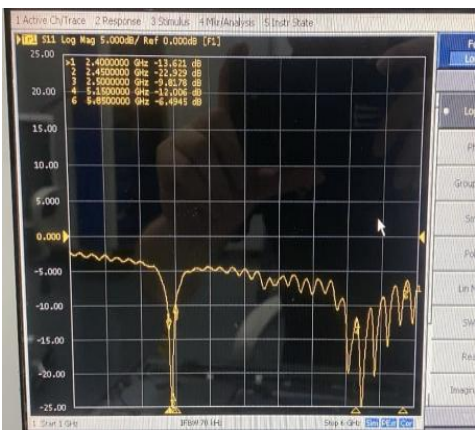
| Characteristics                   | Specifications    | Unit |
|-----------------------------------|-------------------|------|
| Outline Dimensions                | 42.99x11.61x 0.12 | mm   |
| Center Frequency                  | 2.4-2.5/5.15-5.85 | GHz  |
| Bandwidth(under-10dB return loss) | 130min            | MHz  |
| VSWR                              | 3max              |      |

### 5-2.

VSWR



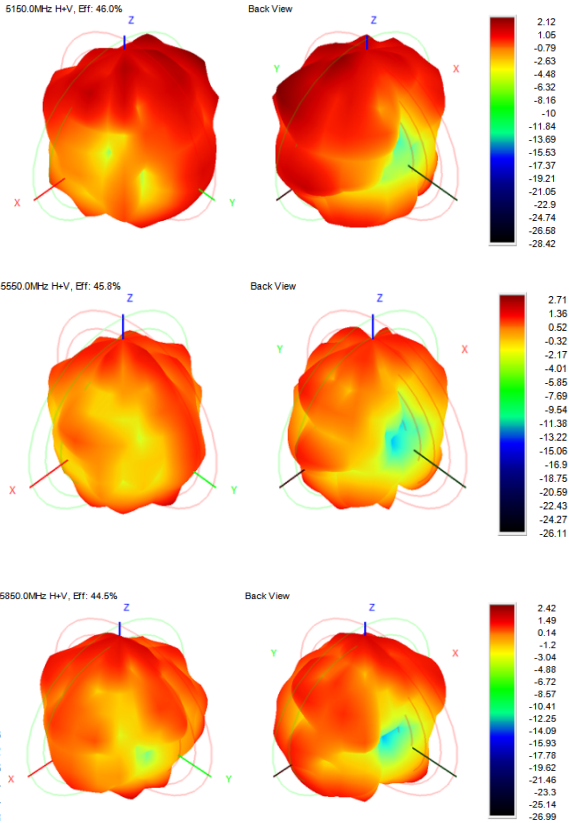
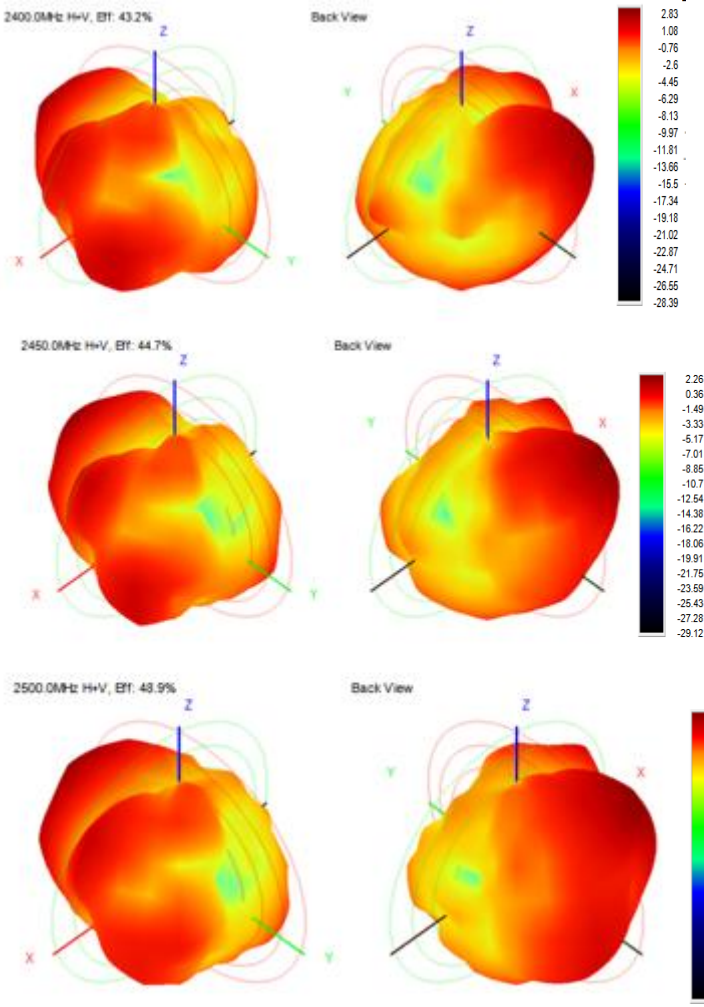
S11



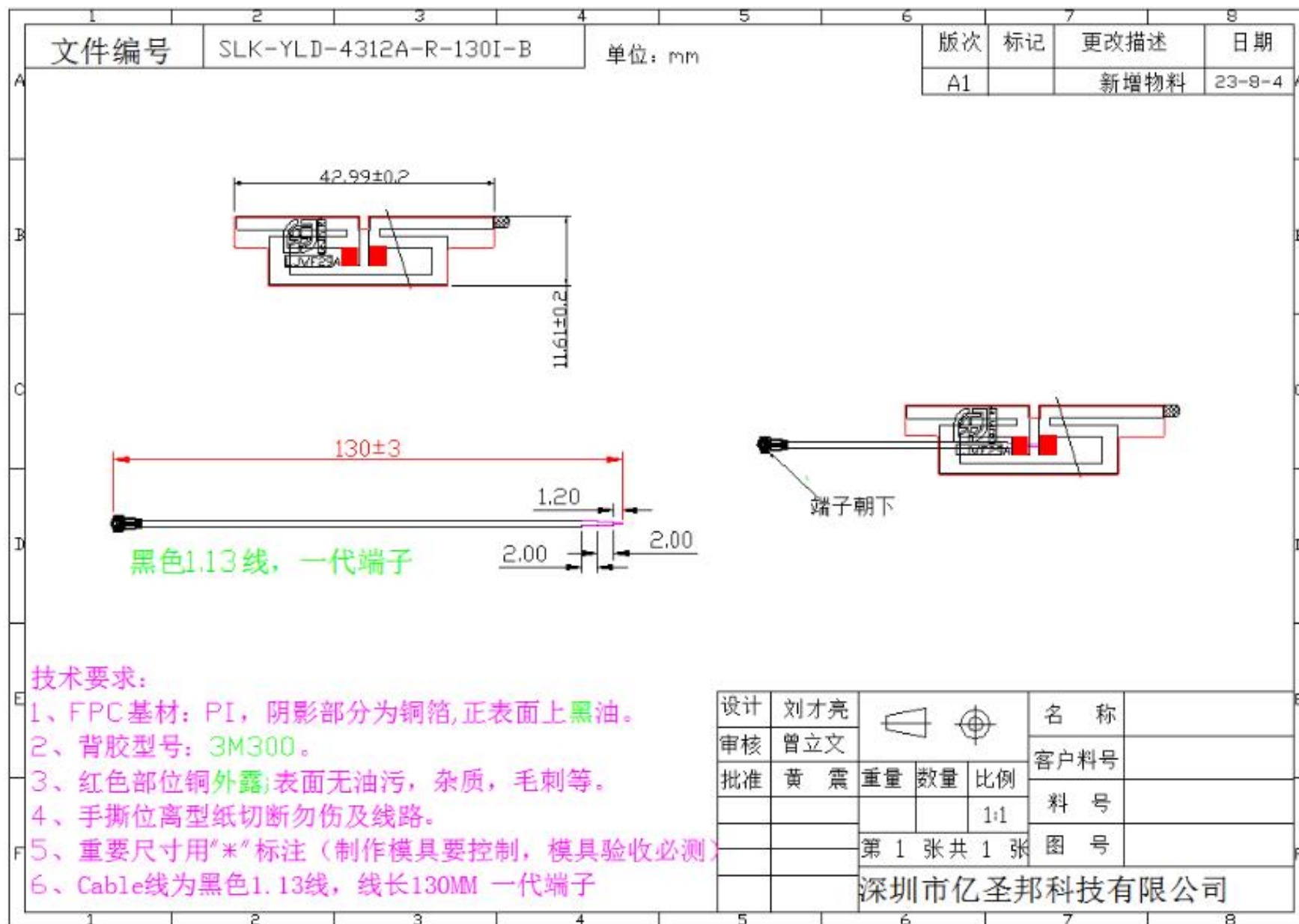
### 5-3.WIFI Antenna Gain/Efficiency/Radiation Pattern of 3D

| Frequency | Efficiency | Gain (dBi) | Efficiency (%) |
|-----------|------------|------------|----------------|
| 2400.0    | -3.64      | 2.83       | 43.21          |
| 2410.0    | -3.50      | 2.72       | 44.64          |
| 2420.0    | -3.63      | 2.35       | 43.33          |
| 2430.0    | -3.29      | 2.33       | 46.83          |
| 2440.0    | -3.58      | 2.83       | 43.81          |
| 2450.0    | -3.50      | 2.26       | 44.68          |
| 2460.0    | -3.34      | 2.29       | 46.29          |
| 2470.0    | -3.34      | 2.35       | 46.38          |
| 2480.0    | -2.97      | 2.69       | 50.44          |
| 2490.0    | -3.04      | 2.53       | 49.61          |
| 2500.0    | -3.11      | 2.61       | 48.92          |

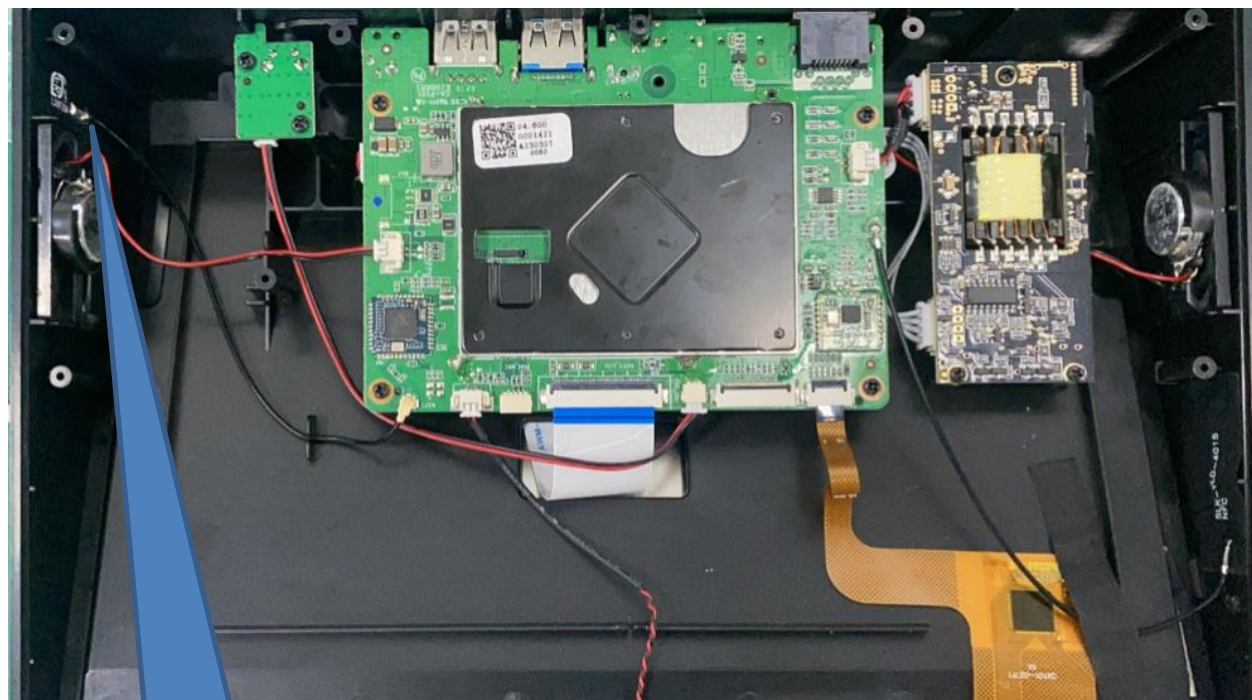
| Frequency (MHz) | Efficiency (dBi) | Gain (dBi) | Efficiency (%) |
|-----------------|------------------|------------|----------------|
| 5150            | -3.37            | 2.12       | 46.01          |
| 5350            | -3.40            | 2.18       | 45.70          |
| 5550            | -3.39            | 2.71       | 45.78          |
| 5850            | -3.51            | 2.42       | 44.54          |



## 6. Antenna Dimensions (unit: mm)



## 7. Antenna Picture



WIFI 天线