

Antenna Specification

Product specification model: WIFI:SLK-YLD-3222A2-R-220I-B

Antenna Type: FPC Antenna

Date: 2024.06.15

Manufature: Shenzhen Yishengbang Technology Co., Ltd.

Adress: Room 101, Building C, Qianwan Hard Technology
Industrial Park, Baoan District, Shenzhen, China

Telephone: 18025305599

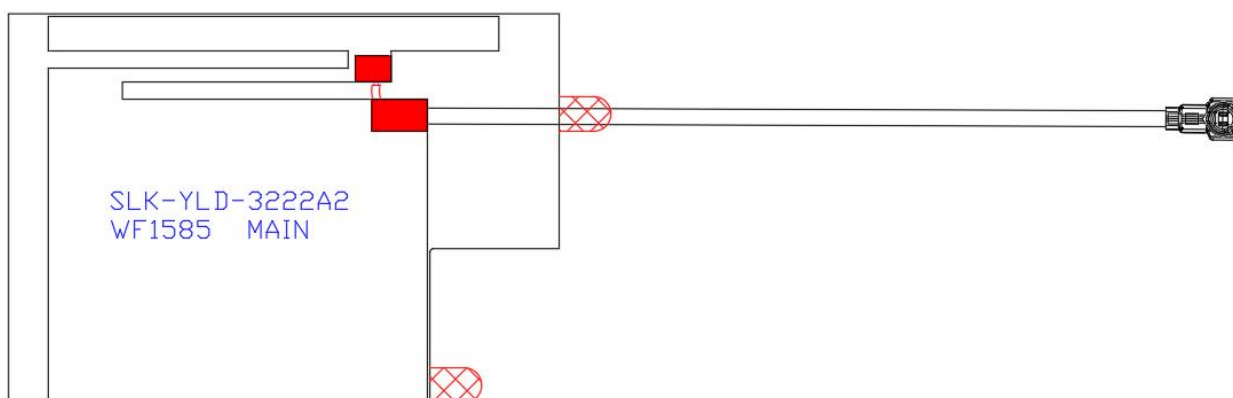
Telephone: 18666299104

WIFI Antenna (3222A2)

1. Explanation of Product number :

S L K - Y L D - 3 2 2 2 A 2 - R - 2 2 0 I - B

1 2 3 4 5



Product Code:

(1) Customer:

YLD:亿莱顿

(2) Project:

3222A2: SLK-YLD-3222A2 (WIFI antenna)

(3) Welding Position

R: Right

(4) Cable Length:

220I: 220*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

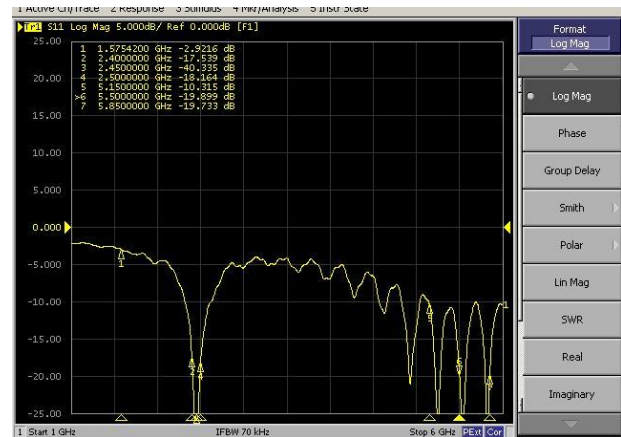
| Characteristics | Specifications | Unit |
|-----------------------------------|---------------------|----------|
| Outline Dimensions | 31.95x22.5x 0.12 | mm |
| Center Frequency | 2.4-2.5/5.15-5.85 | GHz |
| Bandwidth(under-10dB return loss) | 130min | MHz |
| VSWR | 3max | |
| Impedance | 50 | Ω |
| Polarization | Linear Polarization | |

5-2.

VSWR

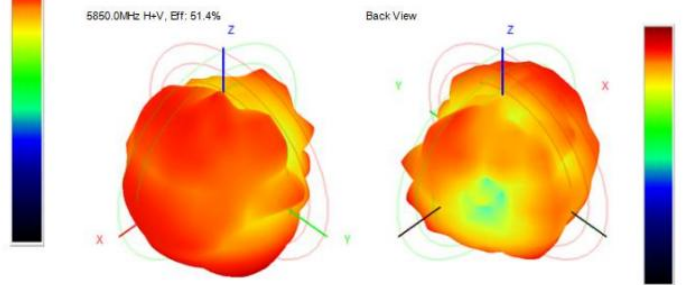
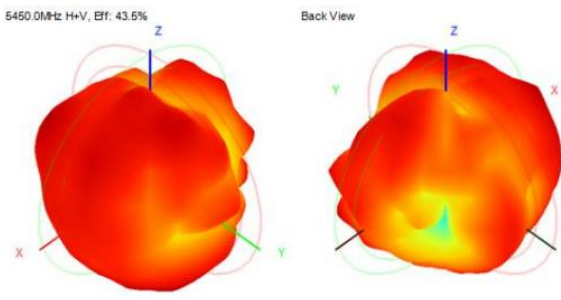
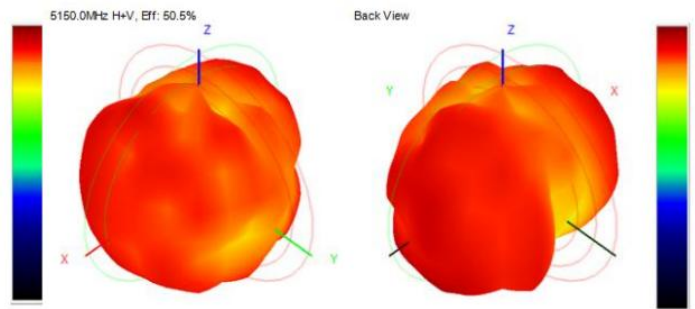
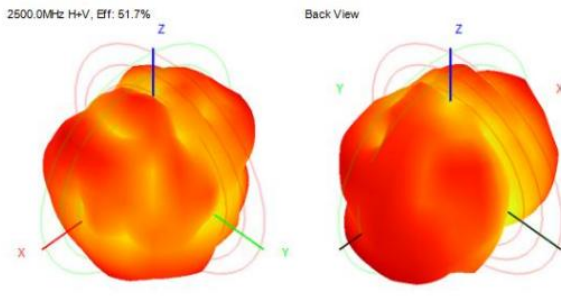
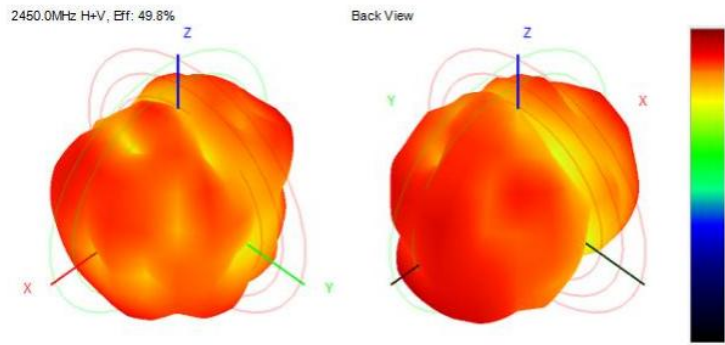
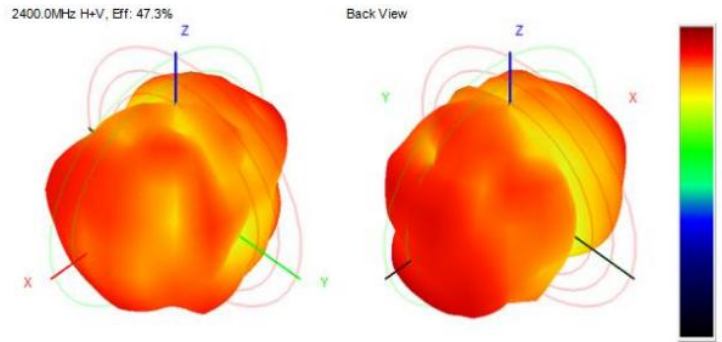


S11



5-3.WIFI MAIN Antenna Gain/Efficiency/3DDATA

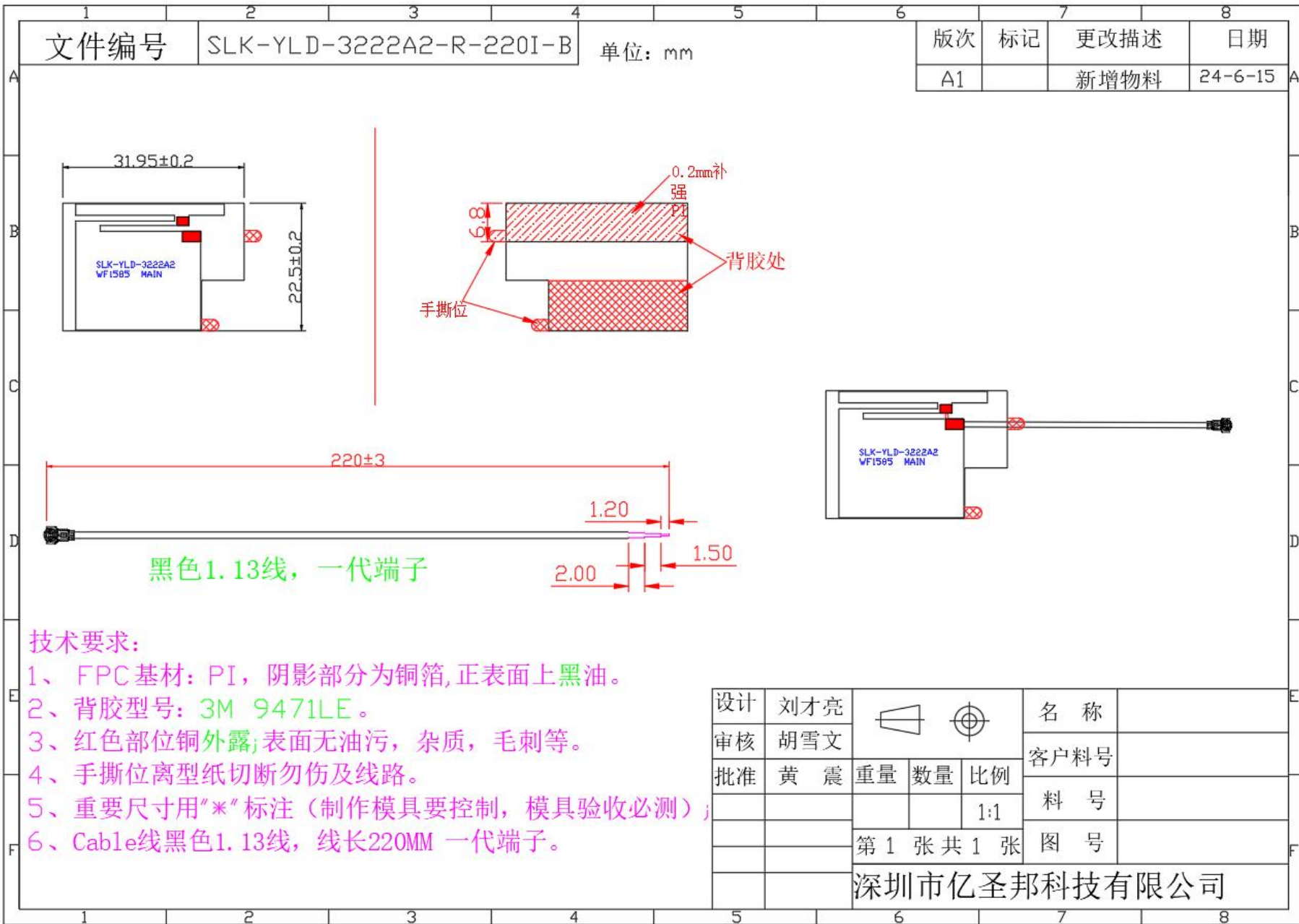
| Frequency (MHz) | Efficiency (dBi) | Gain (dBi) | Efficiency (%) |
|-----------------|------------------|------------|----------------|
| 2400 | -3.25 | 0.86 | 47.28 |
| 2410 | -3.28 | 0.91 | 47.04 |
| 2420 | -3.59 | 0.58 | 43.76 |
| 2430 | -3.32 | 0.78 | 46.55 |
| 2440 | -3.23 | 0.78 | 47.55 |
| 2450 | -3.03 | 0.99 | 49.81 |
| 2460 | -3.08 | 0.83 | 49.15 |
| 2470 | -3.10 | 1.02 | 49.01 |
| 2480 | -3.11 | 0.83 | 48.92 |
| 2490 | -2.87 | 1.18 | 51.69 |
| 2500 | -2.77 | 1.46 | 52.79 |
| 5150 | -2.96 | 2.94 | 50.54 |
| 5250 | -3.70 | 2.17 | 42.61 |
| 5350 | -3.35 | 2.70 | 46.22 |
| 5450 | -3.61 | 2.36 | 43.53 |
| 5550 | -3.10 | 2.82 | 48.94 |
| 5650 | -3.15 | 2.74 | 48.41 |
| 5750 | -3.17 | 2.86 | 48.18 |
| 5850 | -2.89 | 2.46 | 51.43 |



5-4.WIFI active test

| WIFI有源测试 | | | |
|--------------|--------|--------|--------|
| 频段 | 1 | 6 | 11 |
| B-TRP-11Mbps | 12.49 | 13.39 | 13.93 |
| B-TIS-11Mbps | -81.48 | -80.56 | -80.50 |
| G-TRP-54Mbps | 12.53 | 13.27 | 13.13 |
| G-TIS-54Mbps | -72.75 | -73.14 | -72.33 |
| N-TRP-MCS7 | 12.49 | 13.41 | 13.07 |
| N-TIS-MCS7 | -70.17 | -70.77 | -70.65 |
| 频段 | 36 | 149 | 165 |
| A-TRP-54Mbps | 13.80 | 13.86 | 13.26 |
| A-TIS-54Mbps | -72.74 | -71.55 | -72.05 |

6. Antenna Dimensions (unit: mm)



7. Antenna Picture

