

# Shenzhen Yi Sheng Bang technology Co., LTD

101, Building C, Shenzhen Qianwan Hard Science and Technology Industrial Park,  
Nanchang Community, Xixiang Street, Baoan District, Shenzhen



Customer:

Project: S11

Product: WIFI Antenna—FPC

Report date: 2024.10.14

Prepared by :

Checked by :

Approved by :



# ***Purpose***

This report aims to measure the performance of the main antenna SLK. All measure data are showed below.

## ***Content***

### 1. Test Result

#### 1.1 VSWR/S11

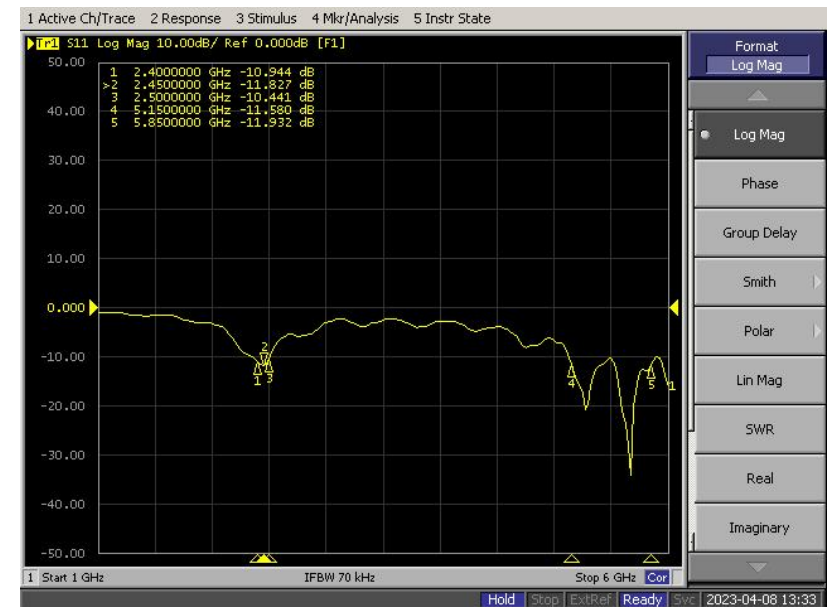
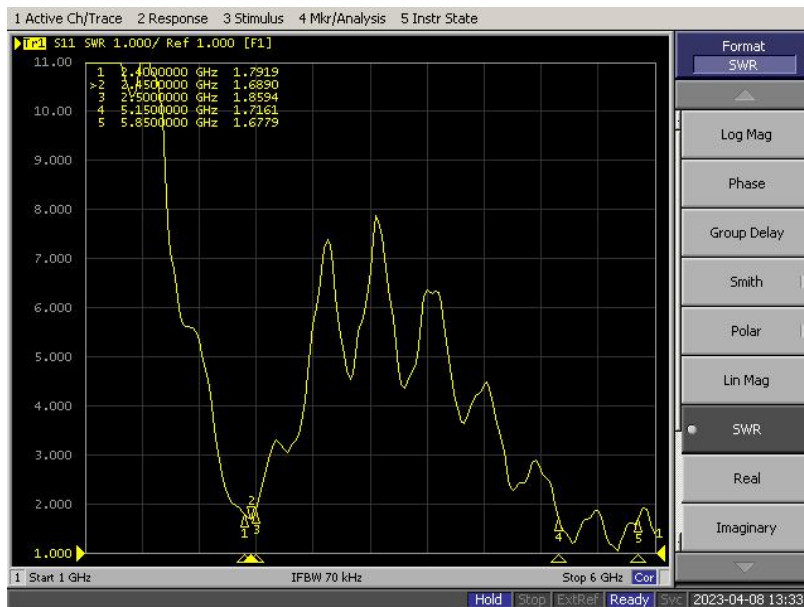
#### 1.2 WIFI Antenna Gain/Efficiency/3D DATA

#### 1.3 WIFI Antenna Drawing

### 2. Conclusions

# 1. Test Result

## 1.1 VSWR/S11

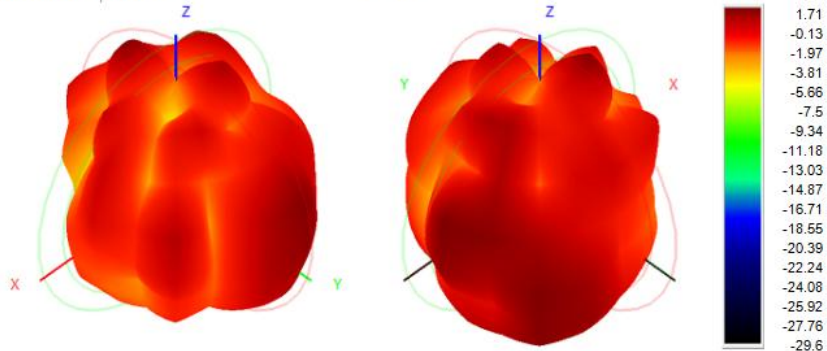


# 1. Test Result

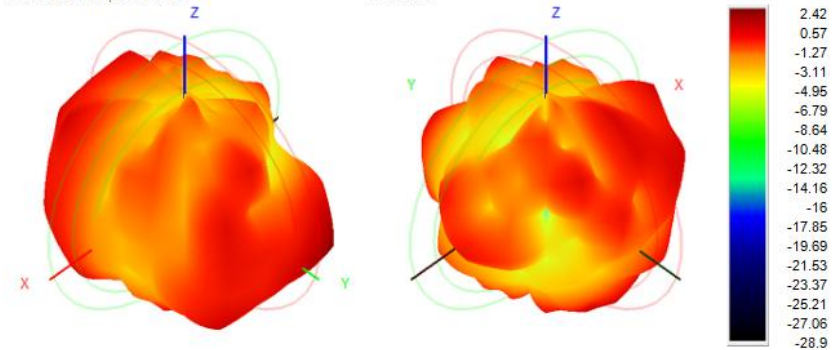
## 1.2 WIFI Antenna Gain/Efficiency/3D DATA

| Frequency (MHz)  | 2400.0 | 2410.0 | 2420.0 | 2430.0 | 2440.0 | 2450.0 | 2460.0 | 2470.0 | 2480.0 | 2490.0 | 2500.0 | 5150.0 | 5250.0 | 5750.0 | 5850.0 |
|------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Efficiency (dBi) | -2.87  | -2.98  | -3.01  | -2.91  | -2.93  | -3.12  | -3.32  | -3.46  | -3.45  | -3.28  | -3.51  | -4.05  | -4.24  | -3.63  | -4.00  |
| Gain (dBi)       | 2.26   | 2.09   | 2.15   | 2.15   | 2.03   | 1.71   | 1.49   | 1.54   | 1.60   | 1.85   | 1.71   | 2.23   | 1.48   | 2.82   | 2.42   |
| Efficiency (%)   | 51.67  | 50.38  | 50.00  | 51.15  | 50.96  | 48.71  | 46.53  | 45.06  | 45.15  | 46.96  | 44.56  | 39.36  | 37.63  | 43.31  | 39.85  |

2450.0MHz H+V, Eff: 48.7%

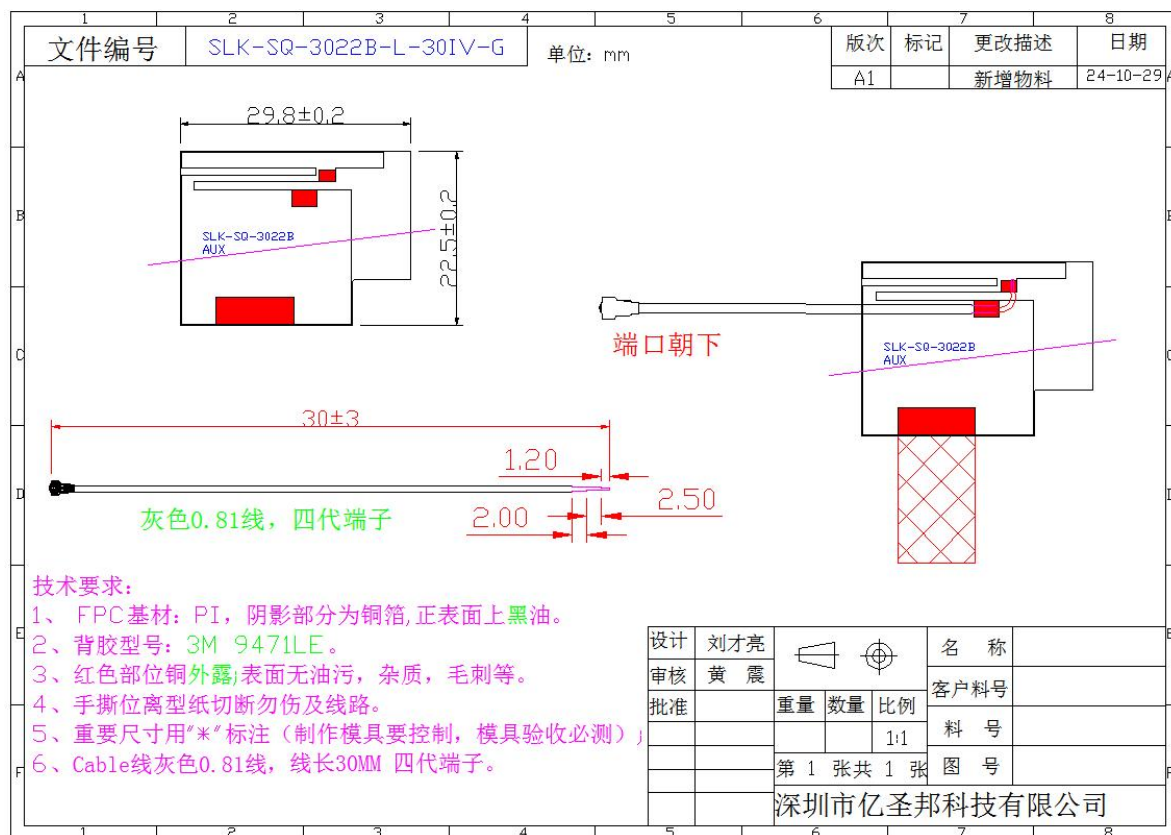


5850.0MHz H+V, Eff: 39.9%



# 1. Test Result

## 1.3 WIFI Antenna Drawing





## 2. Conclusions

Thank you