

# WIFI Antenna

## 1. Explanation of Product number :

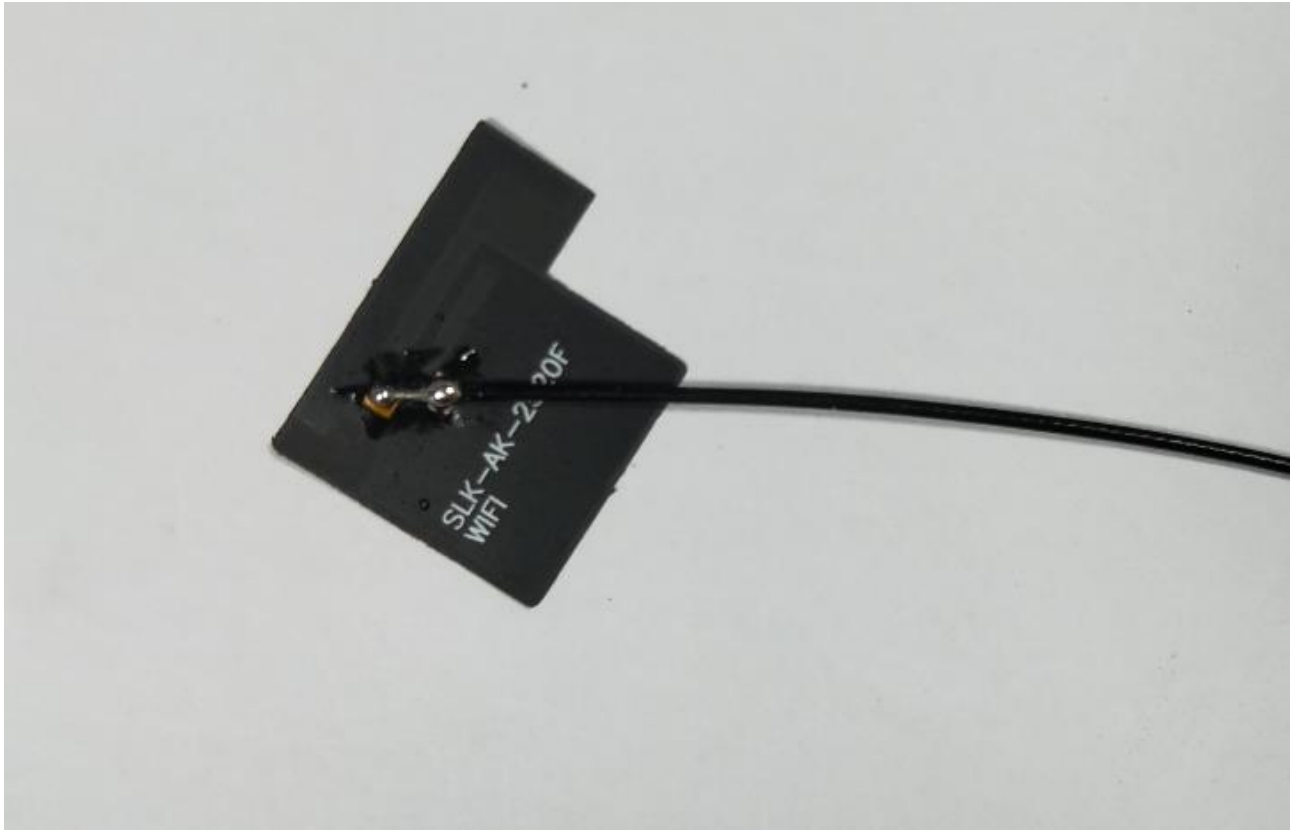
**S L K - 2 5 2 0 F - R - 3 5 0 I - B**

**1**

**2**

**3**

**4**



Product Code:

(1) Project:

Model: 2520F: SLK-2520F(WIFI antenna 2.4~2.5+5.15~5.85GHz)

(2) Welding Position

R:Right

(3) Cable Length:

350I: 350\*1.13MM一代

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

### 5. Electrical Specifications

5-1

| Characteristics                   | Specifications      | Unit     |
|-----------------------------------|---------------------|----------|
| Outline Dimensions                | 25.43*20.09*0.12    | mm       |
| Bandwidth(under-10dB return loss) | 130min              | MHz      |
| VSWR                              | 3max                |          |
| Impedance                         | 50                  | $\Omega$ |
| Polarization                      | Linear Polarization |          |

5-2

VSWR



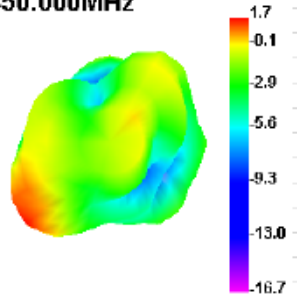
S11



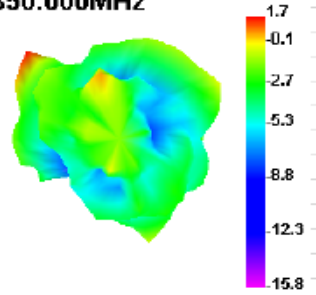
### 5-3.WIFI Antenna Gain/Efficiency/Radiation Pattern of 3D

| Freq<br>(MHz) | Effi<br>(%) | Effi<br>(dB) | Gain<br>(dBi) |
|---------------|-------------|--------------|---------------|
| 2400          | 45.48       | -3.42        | 1.73          |
| 2410          | 44.03       | -3.56        | 1.75          |
| 2420          | 46.19       | -3.35        | 1.73          |
| 2430          | 47.29       | -3.25        | 1.69          |
| 2440          | 48.23       | -3.17        | 1.62          |
| 2450          | 46.76       | -3.3         | 1.74          |
| 2460          | 48.52       | -3.14        | 1.97          |
| 2470          | 46.04       | -3.37        | 1.83          |
| 2480          | 47.65       | -3.22        | 1.95          |
| 2490          | 44.88       | -3.48        | 1.72          |
| 2500          | 48.55       | -3.14        | 2.31          |
| 5150          | 40.47       | -3.93        | 1.61          |
| 5350          | 41.3        | -3.84        | 1.01          |
| 5550          | 40.37       | -3.94        | 1.48          |
| 5750          | 41.48       | -3.82        | 2.45          |
| 5850          | 41.79       | -3.79        | 1.67          |

2450.000MHz



5850.000MHz



6. Antenna Dimensions (unit: mm)

