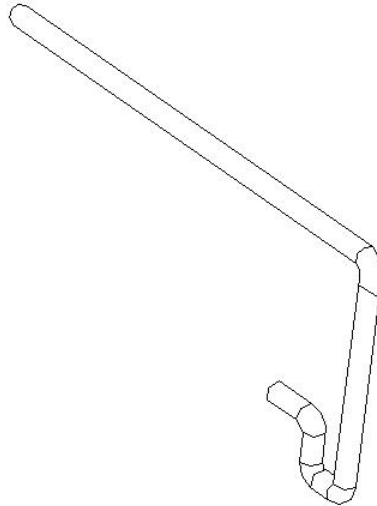


# WIFI Antenna (C2210)

## 1. Explanation of Product number :

**S L K - P D W - C 2 2 1 0**

**1**



Product Code:

(1) Project:

C2210: SLK-PDW-C2210 (WIFI antenna 2.4~2.5GHz)

## 2. Features

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

## 3. Applications

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

## 4. Description

Holy bond's FPC antenna series are specially designed for WIFI (802.11 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                | 21.80x4.7x 0.8      | mm       |
| Center Frequency                  | 2.4-2.5             | GHz      |
| Bandwidth(under-10dB return loss) | 130min              | MHz      |
| VSWR                              | 3max                |          |
| Impedance                         | 50                  | $\Omega$ |
| Polarization                      | Linear Polarization |          |

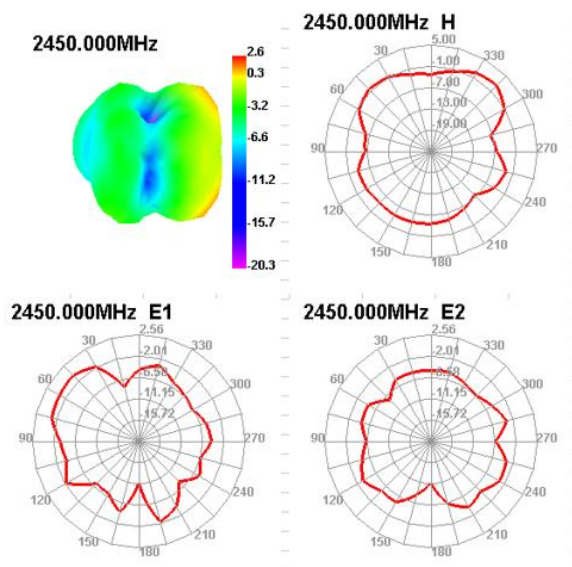
5-2

### VSWR



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

| Freq<br>(MHz) | Effi<br>(%) | Effi<br>(dB) | Gain<br>(dBi) |
|---------------|-------------|--------------|---------------|
| 2400          | 48.43       | -3.15        | 2.65          |
| 2410          | 48.22       | -3.17        | 2.71          |
| 2420          | 47.13       | -3.27        | 2.77          |
| 2430          | 48.13       | -3.18        | 2.74          |
| 2440          | 48.85       | -3.11        | 2.6           |
| 2450          | 48.2        | -3.17        | 2.56          |
| 2460          | 47.55       | -3.23        | 2.25          |
| 2470          | 45.08       | -3.46        | 2.03          |
| 2480          | 49.34       | -3.07        | 2.37          |
| 2490          | 47.54       | -3.23        | 2.08          |
| 2500          | 51.14       | -2.91        | 2.4           |



6. Antenna Dimensions (unit: mm)

