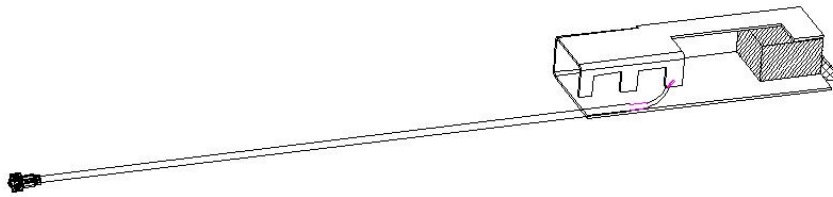


# WIFI MAIN Antenna (T3011)

## 1. Explanation of Product number :

**S L K - G M K - T 3 0 1 1 - L - 7 0 I V - B**

**1                      2                      3                      4                      5**



Product Code:

(1) Customer:

GMK:极摩客

(2) Project:

T3011: SLK-GMK-T3011 (WIFI MAIN antenna)

(3) Welding Position

L:Left

(4) Cable Length:

70IV: 70\*1.13MM 四代端子

(5)Cable Color

B: Black

## 2. Features

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

## 3. Applications

- \* Hand-held devices when WIFI (2.4G/5G) functions are needed

#### 4. Description

Holy bond's antenna series are specially designed for WIFI (2.4G/5G) applications. Based on Holy bond's proprietary design and processes, this antenna has excellent stability and sensitivity to consistently provide high signal reception efficiency.

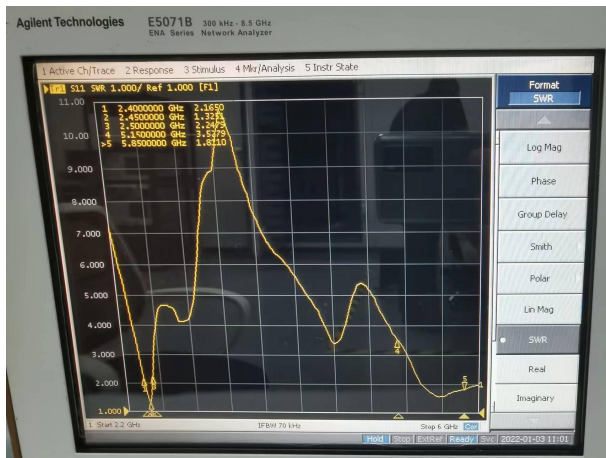
#### 5. Electrical Specifications

##### 5-1

| 主要技术指标           |                   | Main technical specifications |                   |
|------------------|-------------------|-------------------------------|-------------------|
| 频率范围<br>(GHZ)    | 2.4-2.5/5.15-5.85 | Frequency Range<br>(GHZ)      | 2.4-2.5/5.15-5.85 |
| 特性阻抗( $\Omega$ ) | 50                | Impedance( $\Omega$ )         | 50                |
| 增益(dBi)          | $2 \pm 0.5$       | Gain(dBi)                     | $2 \pm 0.5$       |
| 输出电压<br>驻波比      | $\leq 3.0$        | VSWR                          | $\leq 3.0$        |
| 最大功率             | 10W               | Admitted Power                | 10W               |
| 极化方式             | 垂直极化              | Polarization                  | Linear, Vertical  |
| 方向性              | 全向性               | Radiation                     | Omni-directional  |
| 连接方式             | 四代端子              | Connector Type                | 四代端子              |
| 物理性能             |                   | Physical Properties           |                   |
| 工作温度             | -20℃~+70℃         | Operating Temp                | -20℃~+70℃         |
| 保存温度             | -20℃~+70℃         | Storage Temp                  | -20℃~+70℃         |

## 5-2.

### VSWR



### S11



## 5-3.WIFI Antenna Gain/Efficiency

| Frequency (MHz) | Efficiency (%) | Efficiency (dBi) | Gain (dBi) |
|-----------------|----------------|------------------|------------|
| 2400            | 40.53          | -3.92            | -0.34      |
| 2410            | 41.83          | -3.78            | -0.01      |
| 2420            | 40.53          | -3.92            | -0.26      |
| 2430            | 43.63          | -3.6             | 0.24       |
| 2440            | 41.56          | -3.81            | 0.35       |
| 2450            | 42.23          | -3.74            | 1.21       |
| 2460            | 42.58          | -3.71            | 1.03       |
| 2470            | 43.04          | -3.66            | 1.79       |
| 2480            | 42.98          | -3.67            | 1.75       |
| 2490            | 44.56          | -3.51            | 2.15       |
| 2500            | 45.58          | -3.41            | 2.09       |
| 5150            | 41.92          | -3.78            | 0.35       |
| 5250            | 47.92          | -3.19            | 1.08       |
| 5750            | 45.5           | -3.42            | 1.74       |
| 5850            | 41.8           | -3.79            | 1.55       |

5-4.WIFI Antenna TRP/TIS

| WIFI    | CH  | 功率<br>(54M) | 灵敏度<br>(54M) |  | WIFI    | CH | 功率<br>(54M)  | 灵敏度<br>(54M)  |
|---------|-----|-------------|--------------|--|---------|----|--------------|---------------|
| 802.11a | 36  | 11.32       | -69.05       |  | 802.11g | 1  | 11.84        | -66.35        |
|         | 149 | 11.56       | -71.85       |  |         | 6  | 11.05        | -66.72        |
|         | 165 | 11.83       | -71.16       |  |         | 11 | 10.88        | -66.13        |
|         |     |             |              |  |         |    |              |               |
| WIFI    | CH  | 功率<br>(11M) | 灵敏度<br>(11M) |  | WIFI    | CH | 功率<br>(MCS7) | 灵敏度<br>(MCS7) |
| 802.11b | 1   | 12.59       | -81.58       |  | 802.11n | 1  | 11.53        | -63.59        |
|         | 6   | 11.73       | -81.43       |  |         | 6  | 11.18        | -63.17        |
|         | 11  | 11.42       | -80.37       |  |         | 11 | 11.07        | -62.85        |

## 6. Antenna Dimensions (unit: mm)

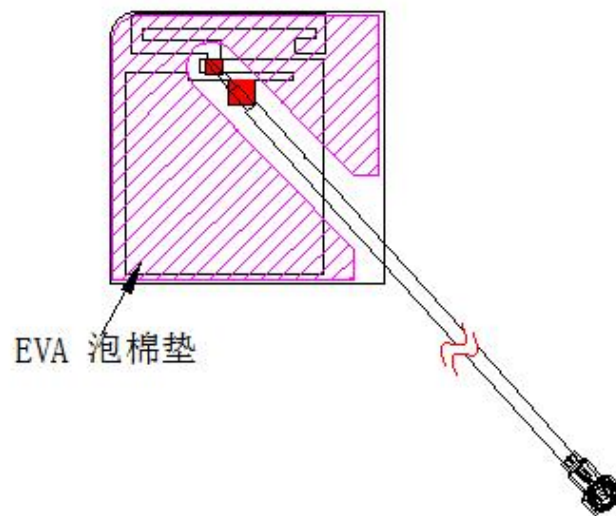
[illegible]

# WIFI +BT Antenna (P2121)

## 1. Explanation of Product number:

**S L K - G M K - P 2 1 2 1 - R - 8 5 I V - G**

**1                      2                      3                      4                      5**



Product Code:

(1) Customer:

GMK:极摩客

(2) Project:

P2121: SLK-GMK-P2121 (WIFI+BT antenna)

(3) Welding Position

R: Right

(4) Cable Length:

85IV:85\*0.81MM 四代端子

(5)Cable Color

G: Gray

## 2. Features

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

## 3. Applications

- \* Hand-held devices when WIFI (2.4G/5G)+BT functions are needed

#### 4. Description

Holy bond's antenna series are specially designed for WIFI (2.4G/5G)+BT applications. Based on Holy bond's proprietary design and processes, this antenna has excellent stability and sensitivity to consistently provide high signal reception efficiency.

#### 5. Electrical Specifications

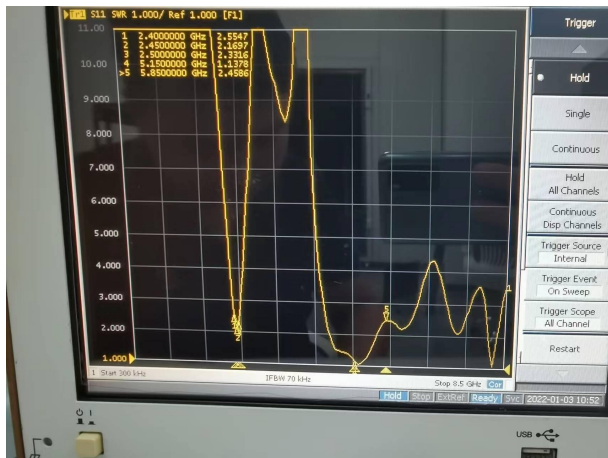
##### 5-1

| 主要技术指标           |                   | Main technical specifications |                   |
|------------------|-------------------|-------------------------------|-------------------|
| 频率范围<br>(GHZ)    | 2.4-2.5/5.15-5.85 | Frequency Range<br>(GHZ)      | 2.4-2.5/5.15-5.85 |
| 特性阻抗( $\Omega$ ) | 50                | Impedance( $\Omega$ )         | 50                |
| 增益(dBi)          | $2 \pm 0.5$       | Gain(dBi)                     | $2 \pm 0.5$       |
| 输出电压<br>驻波比      | $\leq 3$          | VSWR                          | $\leq 3$          |
| 最大功率             | 10W               | Admitted Power                | 10W               |
| 极化方式             | 垂直极化              | Polarization                  | Linear, Vertical  |
| 方向性              | 全向性               | Radiation                     | Omni-directional  |
| 连接方式             | 四代端子              | Connector Type                | 四代端子              |
| 物理性能             |                   | Physical Properties           |                   |
| 工作温度             | -20℃~+70℃         | Operating Temp                | -20℃~+70℃         |
| 保存温度             | -20℃~+70℃         | Storage Temp                  | -20℃~+70℃         |



5-2.

## SWR



## S11

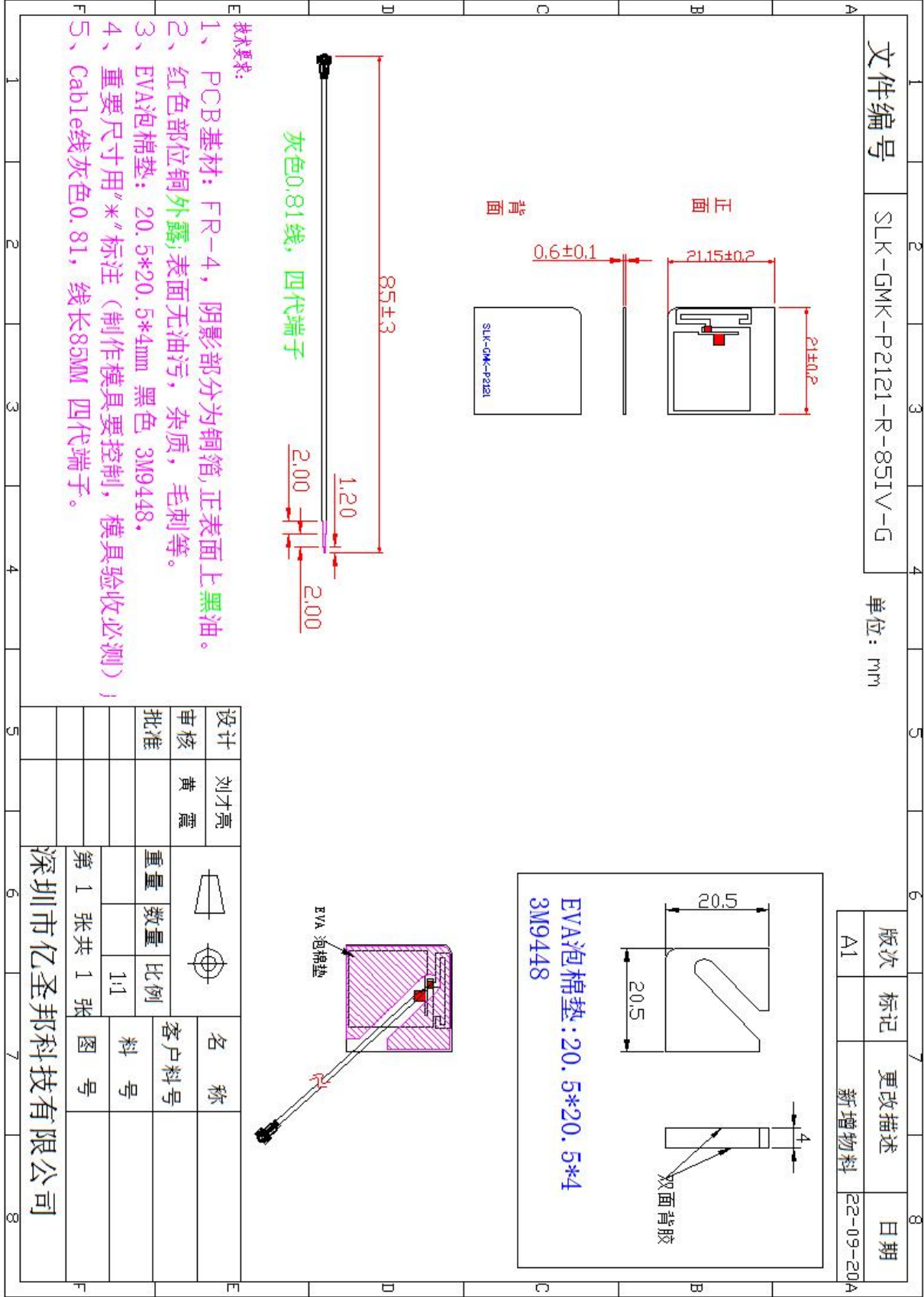


## 5-3.WIFI/BT Antenna Gain/Efficiency

| Frequency (MHz) | Efficiency (%) | Efficiency (dBi) | Gain (dBi) |
|-----------------|----------------|------------------|------------|
| 2400            | 38             | -4.2             | 0.28       |
| 2410            | 38.28          | -4.17            | 1.15       |
| 2420            | 40.12          | -3.97            | 0.39       |
| 2430            | 38.74          | -4.12            | 0.78       |
| 2440            | 39.08          | -4.08            | 0.43       |
| 2450            | 41.25          | -3.85            | 0.89       |
| 2460            | 38.26          | -4.17            | 0.73       |
| 2470            | 39.42          | -4.04            | 1.01       |
| 2480            | 39.54          | -4.03            | 1.12       |
| 2490            | 43.39          | -3.63            | 1.51       |
| 2500            | 38.75          | -4.12            | 1.93       |
| 5150            | 32.27          | -4.91            | 1.75       |
| 5250            | 37.47          | -4.26            | 1.57       |
| 5750            | 36.4           | -4.39            | 1          |
| 5850            | 37.24          | -4.29            | 1.38       |



6. Antenna Dimensions (unit: mm)



7. Antenna Picture



WIFI 主天线



WIFI+BT 天线