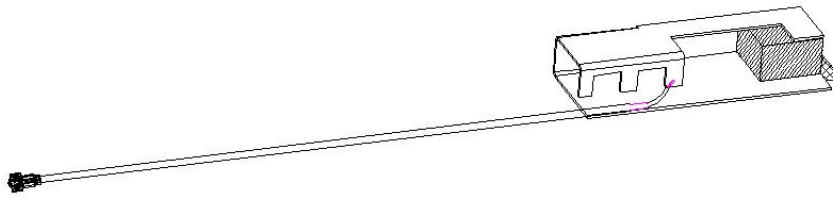


WIFI MAIN Antenna (T3011)

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.

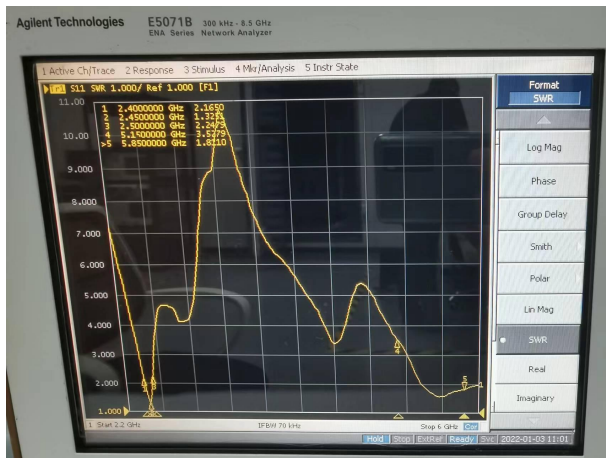
5. Electrical Specifications

5-1

主要技术指标		Main technical specifications	
频率范围 (GHZ)	2.4-2.5/5.15-5.85	Frequency Range (GHZ)	2.4-2.5/5.15-5.85
特性阻抗(Ω)	50	Impedance(Ω)	50
增益(dBi)	2 ± 0.5	Gain(dBi)	2 ± 0.5
输出电压 驻波比	≤ 3.0	VSWR	≤ 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 (54M)	灵敏度 (54M)		WIFI	CH	功率 (54M)	灵敏度 (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 (11M)	灵敏度 (11M)		WIFI	CH	功率 (MCS7)	灵敏度 (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)

文件编号

SLK-GMK-T3011-L-70IV-B

单位: mm

版次

标记

更改描述

日期

A0

新增物料

22-09-20A

WiFi 铁件

黑色1.13线, 四代端子

LENGTH: 70 ± 3.0MM
DIAMETER: φ 1.13
COLOR: BLACK

技术要求:

- 1、材质: 不锈钢201镀镍。
- 2、板材厚度: 0.3 ± 0.05mm。
- 3、材质需符合ROHS 2.0环保要求。
- 4、产品需清洗, 不可变形, 油污, 黑斑, 毛边等。
- 5、重要尺寸用“*”标注 (制作模具要控制, 模具验收必测)

设计 刘才亮
审核 黄震
批准

名称 SLK-T3011
物料名称
重量 数量 比例 1:1
代 码

第 1 张 共 1 张

图 号

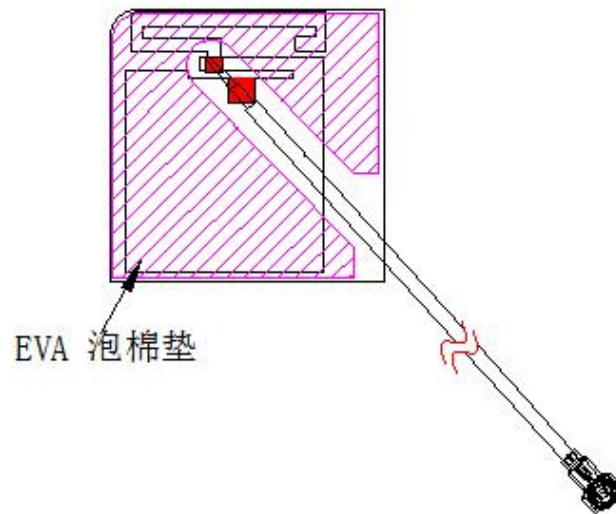
深圳市亿圣邦科技有限公司

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.

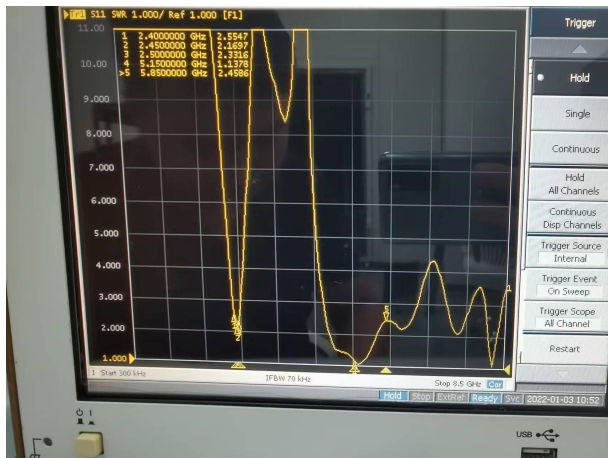
5. Electrical Specifications

5-1

主要技术指标		Main technical specifications	
频率范围 (GHZ)	2.4-2.5/5.15-5.85	Frequency Range (GHZ)	2.4-2.5/5.15-5.85
特性阻抗(Ω)	50	Impedance(Ω)	50
增益(dBi)	2 ± 0.5	Gain(dBi)	2 ± 0.5
输出电压 驻波比	≤ 3	VSWR	≤ 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



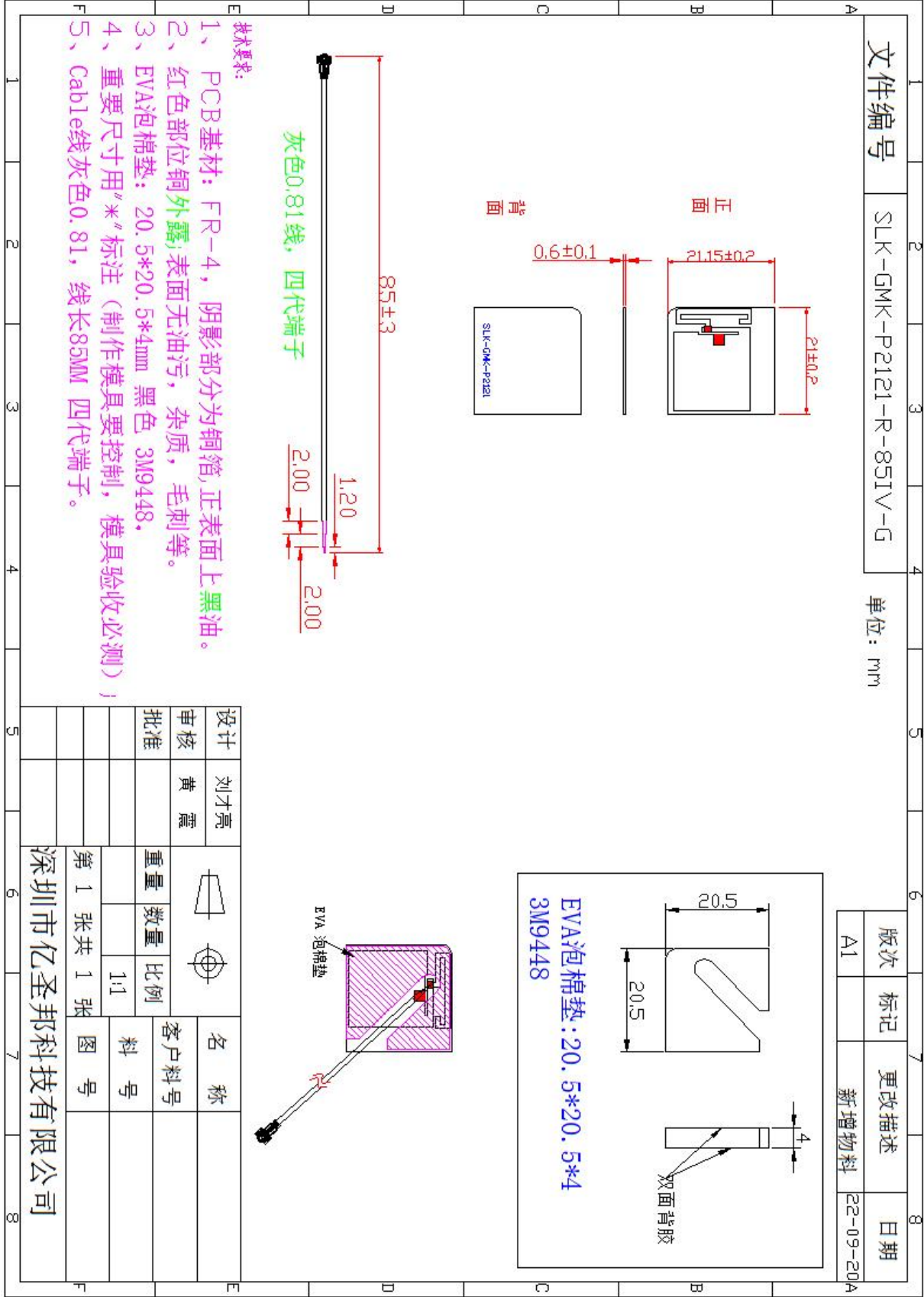
S11



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