

深圳市亿圣邦科技有限公司

样品承认书

SPECIFICATION FOR APPROVAL

公司名称 (客户填写): 深圳市艾普达科技有限公司

物料代码 (客户填写):

规格型号 (客户填写): T8086P4KA

承认日期 (客户填写):

供应商名称 (SLK 填写): 深圳市亿圣邦科技有限公司

供应商名称 (SLK 填写): WIFI :SLK-APD-1611

4G AUX:SLK-APD-1614-R-50111-B 4G MAIN:SLK-APD-7909 4G 小板:SLK-APD-200111-B

承认签章

供应商承认 (SLK 填写栏)

深圳市艾普达科技有限公司

工程师

审核

批准

工程师

审核

批准

陈仕联

黄晨

林美财

盖章签署

盖章签署

日期

2022-10-12

日期

批示: ☐接受 ☐有条件接受

备注 (客户填写):

供应商名称: 深圳市亿圣邦科技有限公司

供应商地址: 东莞市塘厦蛟乙塘银园街 5 号厂房 2 楼

电话: 0755-29470882

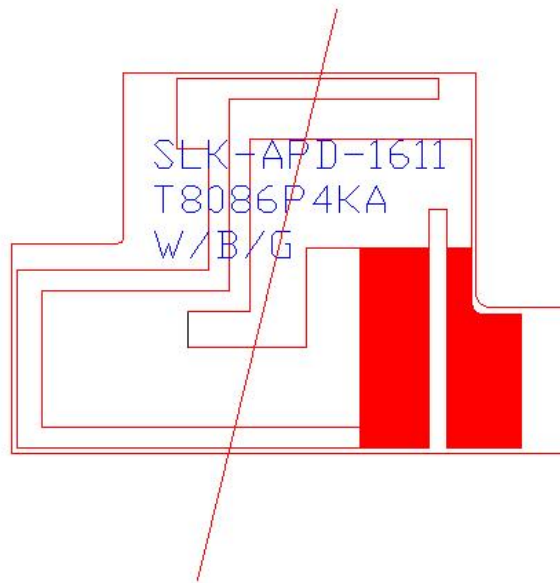
传真: 0755-29163512

BT / WIFI Antenna(1611)

1. Explanation of Product number :

S L K - A P D - 1 6 1 1

1 2



Product Code:

(1) Customer:

APD:艾普达

(2) Project:

1611: SLK-APD-1611 (WIFI antenna)

2. Features

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

3. Applications

- * IEEE502.11 (a/b/g/n)
- * Hand-held devices when WIFI (502.11a/b/g/n) functions are needed

4. Description

Holy bond’s FPC antenna series are specially designed for WIFI (502.11 a/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.

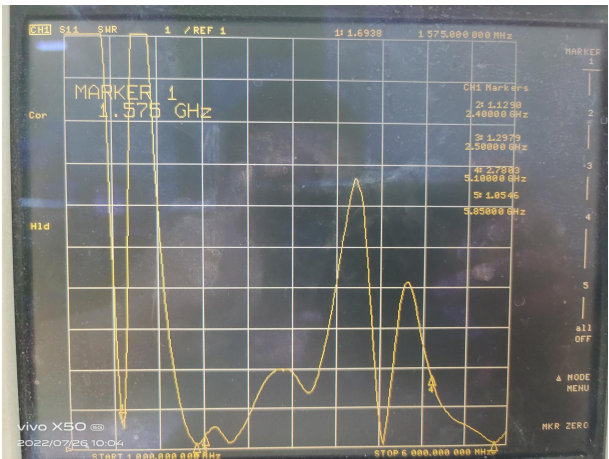
5. Electrical Specifications

5-1

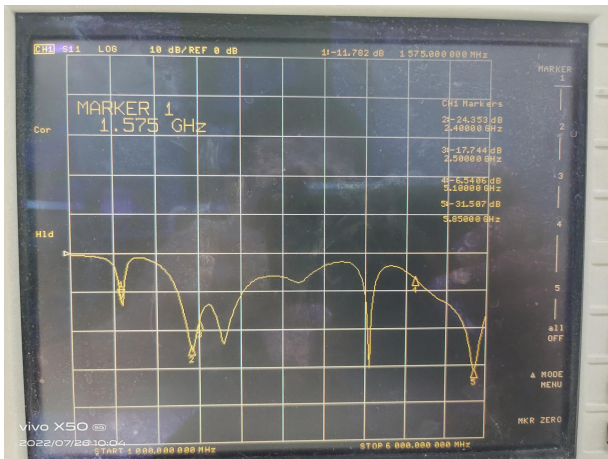
Characteristics	Specifications	Unit
Outline Dimensions	16x 10.9x 0.12	mm
Center Frequency	2.4-2.5	GHz
Bandwidth(under-10dB return loss)	130min	MHz
VSWR	3max	

5-2.

VSWR

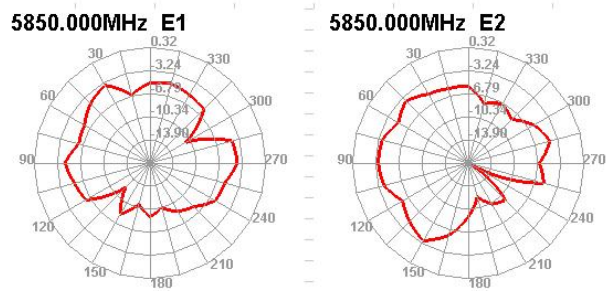
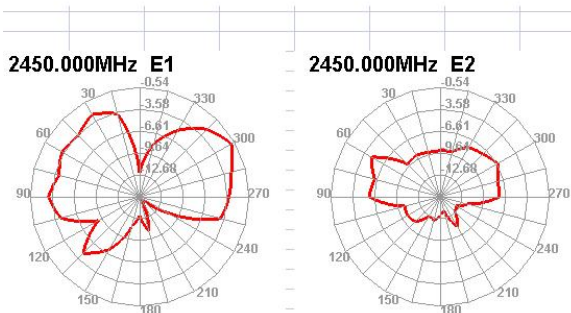
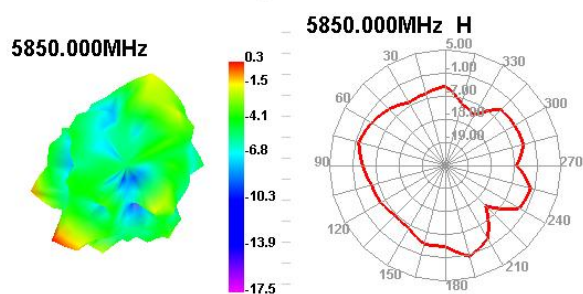
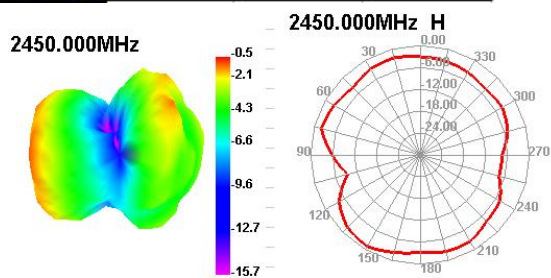
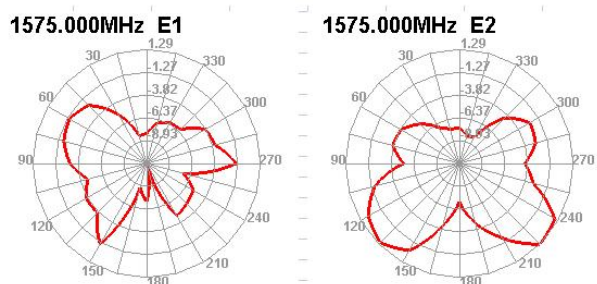
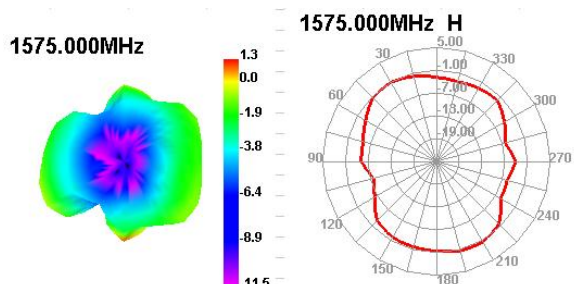


S11

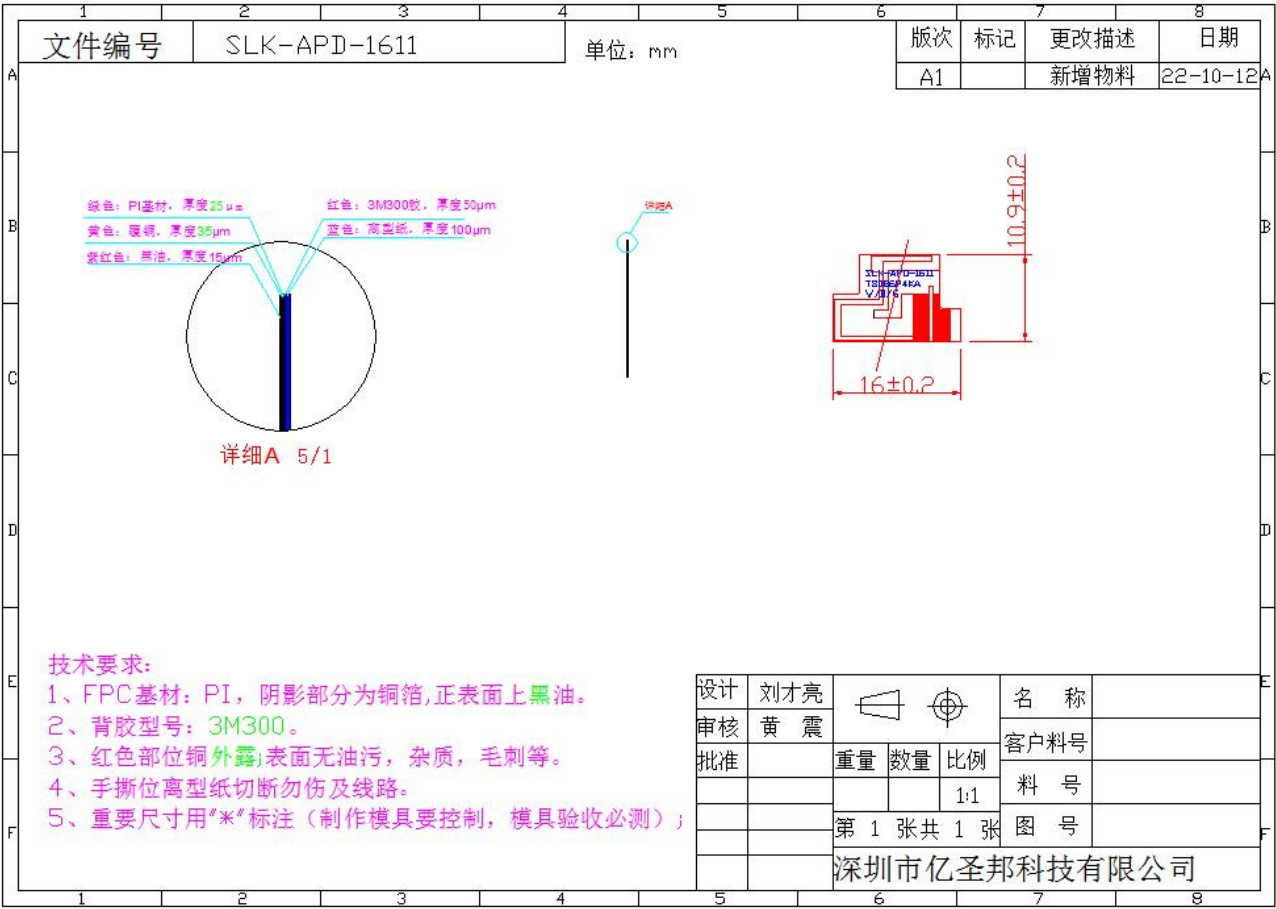


5-3. BT / WIFI Antenna Gain/Efficiency/Radiation Pattern of 3D

Frequency(MHz)	Efficiency (%)	Average Gain(dBi)	Peak GAIN (dBi)
1570	38.03	-4.2	1.35
1575	38.11	-4.19	1.29
1580	36.48	-4.38	1.03
2400	35.66	-4.48	-0.54
2410	35.96	-4.44	-0.37
2420	38.39	-4.16	0.72
2430	36.54	-4.37	0.52
2440	39.76	-4.01	0.53
2450	39.23	-4.06	0.54
2460	40.08	-3.97	0.46
2470	36.28	-4.4	0.54
2480	37.9	-4.21	0.71
2490	37.05	-4.31	0.11
2500	37.78	-4.23	0.18
5250	26.66	-5.74	-0.14
5550	30.25	-5.19	0.26
5750	30.74	-5.12	0.05
5850	32.37	-4.9	0.32



6. Antenna Dimensions (unit: mm)



4G Antenna (7909)

1 . Explanation of Product number :

S L K - A P D - 7 9 0 9

1 2



Product Code:

(1) Customer:

APD: 艾普达

(2) Project:

7909: SLK-APD-7909 (4G MAIN antenna)

Note: Supporting SLK-APD-4G-200111-B board

2. Features

*Stable and reliable in performances

*Compact size

*RoHS compliance

3. Description

Holy bond’s FPC antenna series are specially designed for 4G 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.

4. Electrical Specifications

4-1

Characteristics	Specifications	Unit
Outline Dimensions	79.35x 9x 0.12	mm
Bandwidth(under-10dB return loss)	130min	MHz
VSWR	5max	

4-2

VSWR



S11

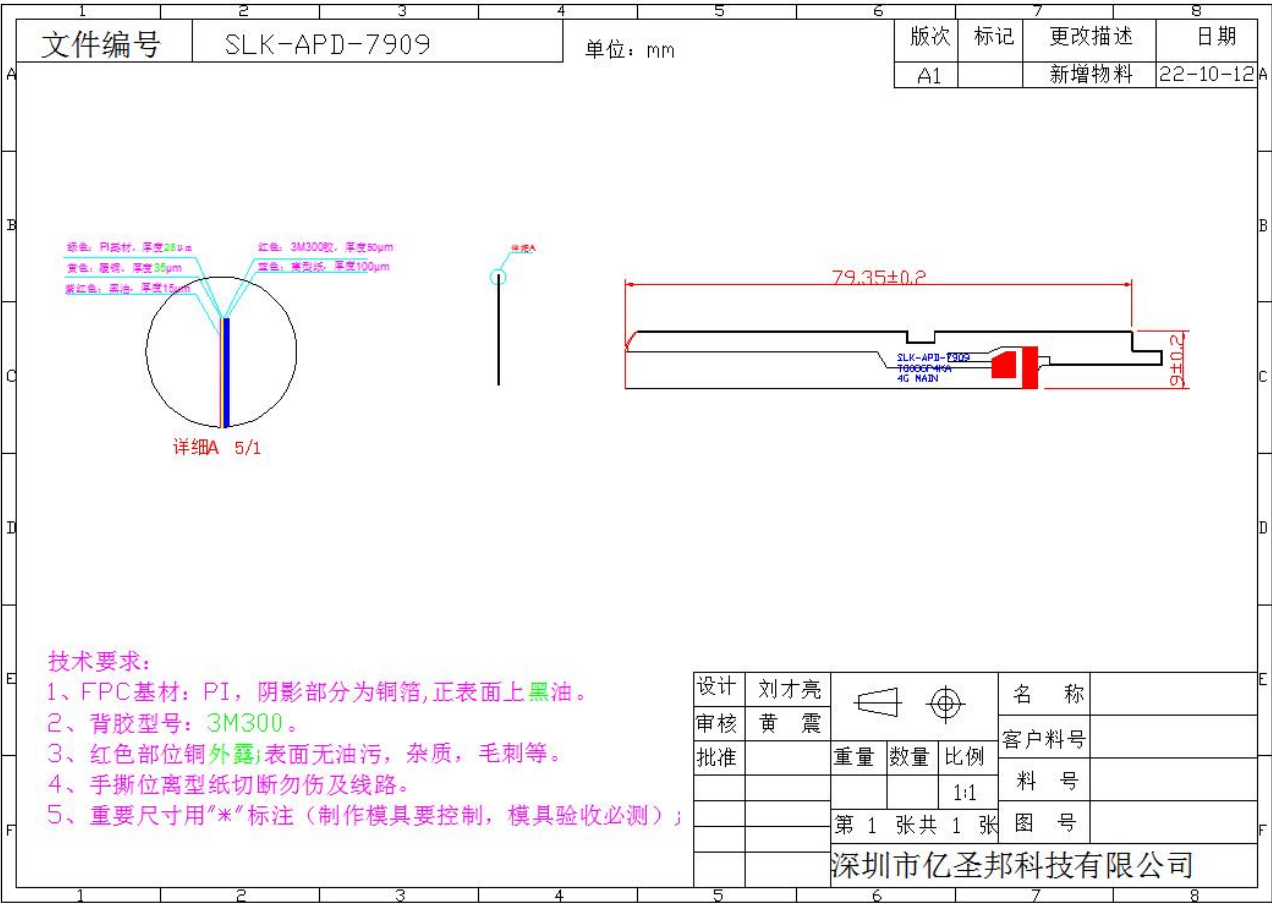


4-3. 2 G / 3G / 4G Antenna TRP/TIS

2G	LTE-L	LTE-M	LTE-R	TIS
GSM850	24.88	24.13	24.02	-101.91
PCS1900	24.28	24.09	23.54	-102.39
3G	LTE-L	LTE-M	LTE-R	TIS
WCDMA-B2	17.32	16.68	16.24	-103.51
WCDMA-B4	18.02	18.49	18.05	-103.48
WCDMA-B5	16.06	15.78	15.25	-102.03
4G	LTE-L	LTE-M	LTE-R	TIS
LTE-2	17.58	17.04	18.38	-91.77
LTE-4	18.1	18.46	18.39	-90.58
LTE-5	16.56	15.51	14.92	-88.47
LTE-7	16.61	16.35	16.22	-90.85
LTE-12	14.35	14.6	15.05	-86.34
LTE-17	14.48	15.04	15.72	-86.5
LTE-66	17.19	17.04	17.06	-90.39

0.8dBi (max.) For GSM 850
 1.2dBi (max.) For PCS 1900
 1.2dBi (max.) For WCDMA Band II
 1.1dBi (max.) For WCDMA Band IV
 0.8dBi (max.) For WCDMA Band V
 1.2dBi (max.) For E-UTRA Band 2
 1.1dBi (max.) For E-UTRA Band 4
 0.8dBi (max.) For E-UTRA Band 5
 1.4dBi (max.) For E-UTRA Band 7
 0.7dBi (max.) For E-UTRA Band 12
 0.7dBi (max.) For E-UTRA Band 17
 1.4dBi (max.) For E-UTRA Band 66

5. Antenna Dimensions (unit: mm)



6. Antenna Picture

