

深圳市亿圣邦科技有限公司
Shenzhen Yishengbang Technology Co., Ltd
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): MPC10P3YN
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 MAIN:SLK-APD-3228A-R-70IV-B
WIFI AUX:SLK-APD-3228A-R-210IV-G

承认签章

供 应 商 承 认			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
曾立文	黄 震	林美财			
盖章签署			盖章签署		
日 期	22-9-13		日 期		
			批示: ☐ 接受 ☐ 有条件接受		
备注 (客户填写):					

Address: 101, Building C, Qianwan Hard Technology Industrial Park,
Bao'an District, Shenzhen, China

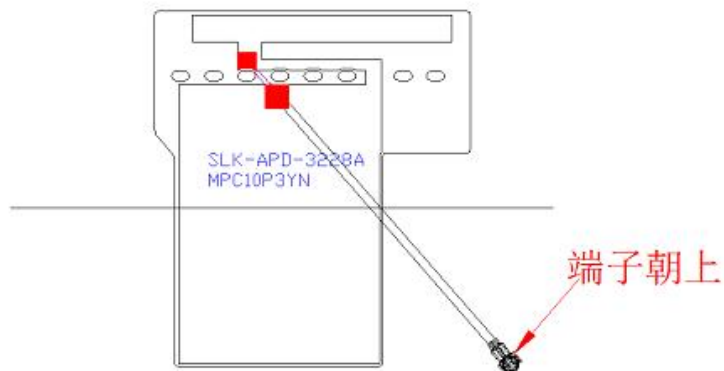
Phone: +86-18025305599

WIFI Antenna MAIN (3228A)

1. Explanation of Product number :

S L K - A P D - 3 2 2 8 A - R - 7 0 I V - B

1 2 3 4 5



Product Code:

(1) Customer:

APD:艾普达

(2) Project:

3228A: SLK-APD-3228A(WIFI antenna 2.4~2.5GHz 5~5.85GHz)

(3) Welding Position

R:Right

(4) Cable Length:

70IV:70*0.81MM

(5)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	28.6*32.13*0.12	mm
Bandwidth(under-10dB return loss)	130min	MHz
VSWR	3max	
Impedance	50	Ω
Polarization	Linear Polarization	

5-2

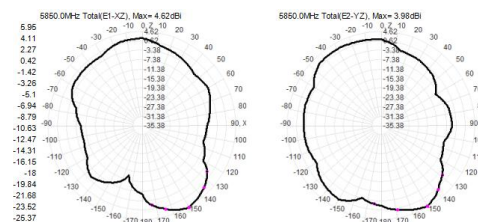
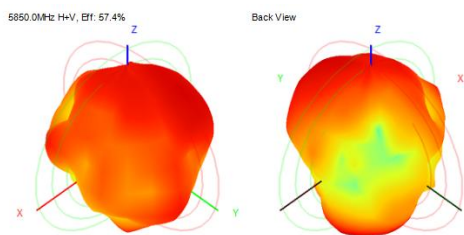
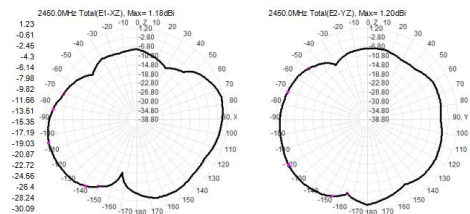
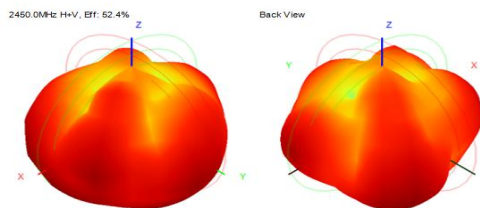
VSWR

S11

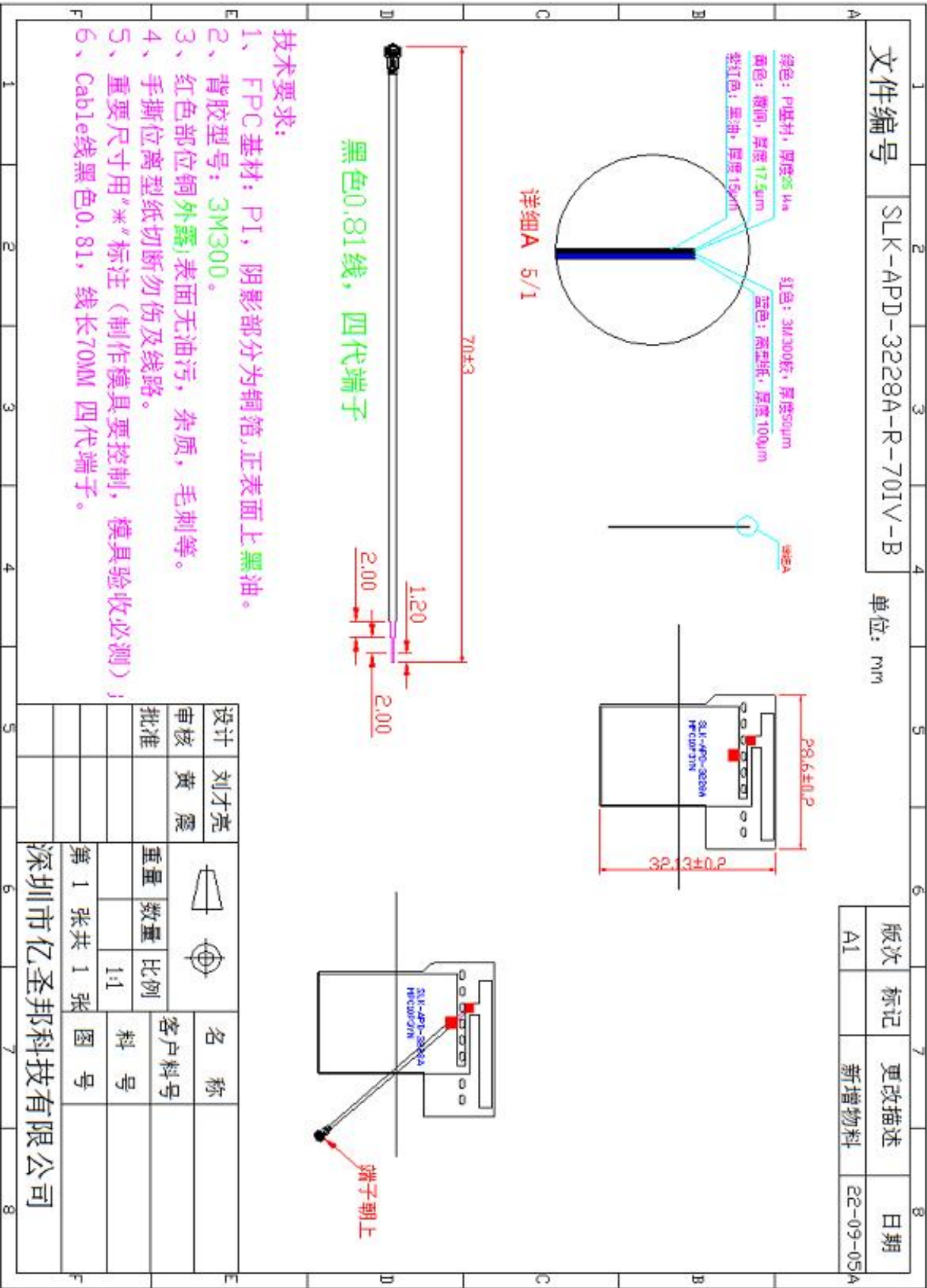


5-3.WIFI Antenna Gain/Efficiency/Radiation Pattern of 3D

Passive Test for 2.4G&5G			
Frequency (MHz)	Eff (%)	Eff (dB)	Gain (dBi)
2400.00	33.85	-7.32	0.57
2410.00	34.53	-8.62	0.34
2420.00	32.45	-8.32	0.63
2430.00	36.01	-8.12	0.84
2440.00	35.89	-8.63	0.88
2450.00	34.18	-8.61	0.69
2460.00	33.99	-7.21	0.81
2470.00	33.14	-8.01	0.61
2480.00	31.81	-9.03	0.69
2490.00	35.88	-9.14	0.71
2500.00	35.69	-9.04	0.73
5100.00	45.16	-8.21	2.69
5150.00	45.54	-9.31	2.64
5200.00	52.79	-8.62	2.53
5250.00	52.67	-6.31	2.48
5300.00	45.80	-5.63	3.52
5350.00	53.07	-7.62	3.14
5400.00	50.44	-8.63	2.86
5450.00	51.36	-7.63	3.85
5500.00	49.56	-8.62	2.36
5550.00	47.11	-8.62	3.52
5600.00	51.17	-7.82	4.03
5650.00	52.42	-8.63	4.65
5700.00	46.14	-9.12	5.03
5750.00	46.10	-8.52	5.95
5800.00	47.50	-10.61	5.87
5850.00	52.75	-8.36	5.65



6. Antenna Dimensions (unit: mm)

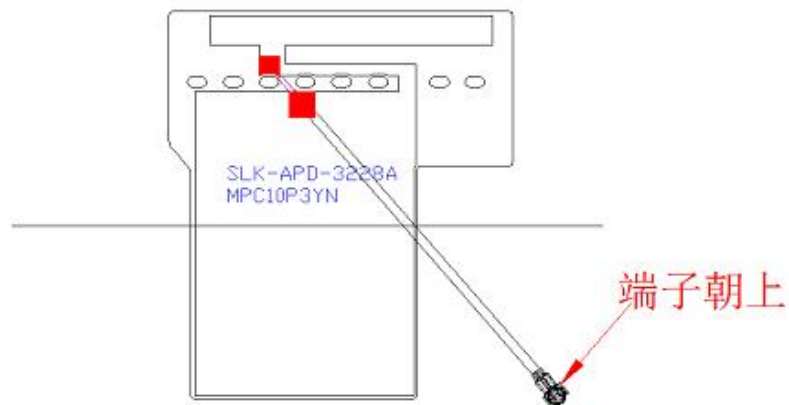


WIFI Antenna AUX(3228A)

1. Explanation of Product number :

S L K - A P D - 3 2 2 8 A - R - 2 1 0 I V - G

1 2 3 4 5



Product Code:

(1) Customer:

APD:艾普达

(2) Project:

3228A: SLK-APD-3228A(WIFI antenna 2.4~2.5GHz 5~5.85GHz)

(3) Welding Position

R:Right

(4) Cable Length:

210IV:210*0.81MM

(5)Cable Color

G: Grey

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.

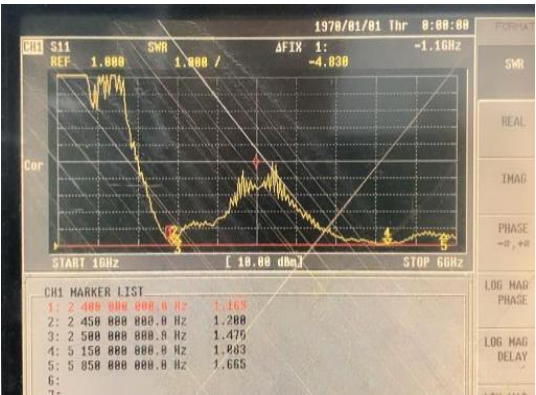
5. Electrical Specifications

5-1

Characteristics	Specifications	Unit
Outline Dimensions	28.6*32.13*0.12	mm
Bandwidth(under-10dB return loss)	130min	MHz
VSWR	3max	
Impedance	50	Ω
Polarization	Linear Polarization	

5-2

VSWR

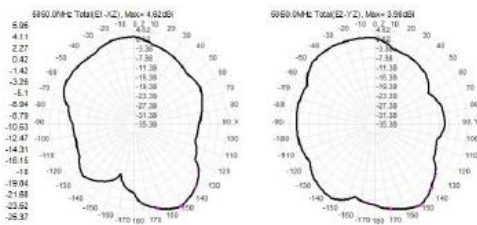
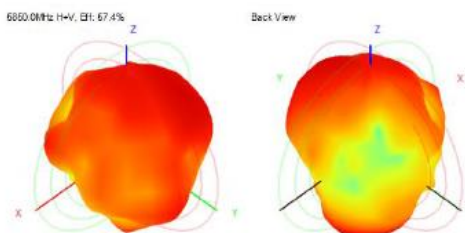
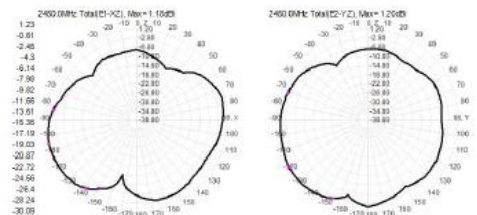
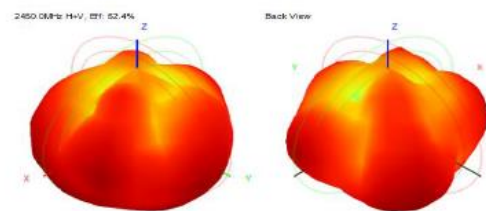


S11

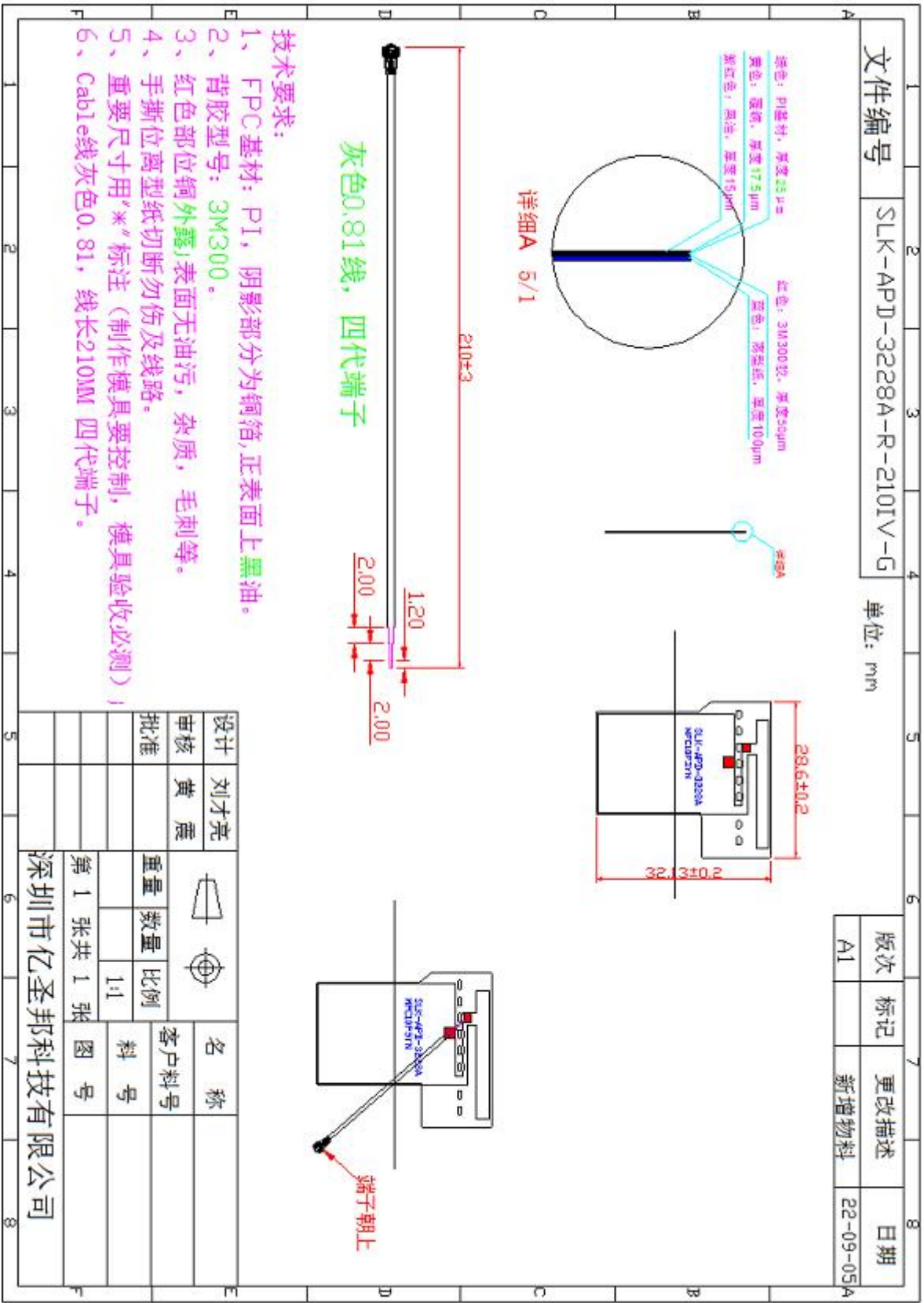


5-3.WIFI Antenna Gain/Efficiency/Radiation Pattern of 3D

Passive Test for 2.4G&5G			
Frequency (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400.00	33.85	-7.32	0.57
2410.00	34.53	-8.62	0.34
2420.00	32.45	-8.32	0.63
2430.00	36.01	-8.12	0.84
2440.00	35.89	-8.63	0.88
2450.00	34.18	-8.61	0.69
2460.00	33.99	-7.21	0.81
2470.00	33.14	-8.01	0.61
2480.00	31.81	-9.03	0.69
2490.00	35.88	-9.14	0.71
2500.00	35.69	-9.04	0.73
5100.00	45.16	-8.21	2.69
5150.00	45.54	-9.31	2.64
5200.00	52.79	-8.62	2.53
5250.00	52.67	-6.31	2.48
5300.00	45.80	-5.63	3.52
5350.00	53.07	-7.62	3.14
5400.00	50.44	-8.63	2.86
5450.00	51.36	-7.63	3.85
5500.00	49.56	-8.62	2.36
5550.00	47.11	-8.62	3.52
5600.00	51.17	-7.82	4.03
5650.00	52.42	-8.63	4.65
5700.00	46.14	-9.12	5.03
5750.00	46.10	-8.52	5.95
5800.00	47.50	-10.61	5.87
5850.00	52.75	-8.36	5.65



6. Antenna Dimensions (unit: mm)



7. Antenna Picture



WIFI MAIN

WIFI AUX