

Shenzhen Yi Sheng Bang technology Co., LTD
SPECIFICATION FOR APPROVAL

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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): N1510S7YB
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-3311F1-R-430IV-B
WIFI AUX:SLK-APD-3311F2-L-280IV-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 2023-06-12			日 期		
			批示: ☐ 接受 ☐ 有条件接受		
备注 (客户填写):					

Supplier name: Shenzhen Yishengbang Technology Co., LTD

Supplier Address: 2nd Floor, No. 5, Yinyuan Street, Jiaoyitang,
Tangxia Town, Dongguan City

Tel: 0769-82553115 Real: 0769-82553116

深圳市亿圣邦科技有限公司

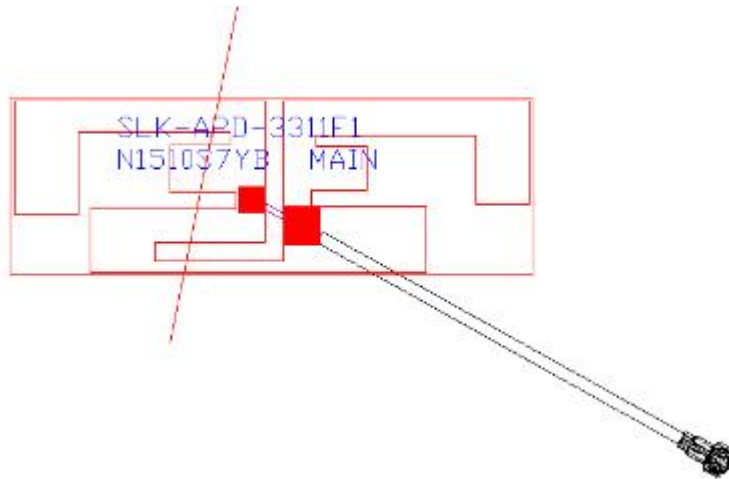
第 1 页

WIFI Antenna MAIN (3311F1)

1. Explanation of Product number :

S L K - A P D - 3 3 1 1 F 1 - R - 4 3 0 I V - B

1 2 3 4 5



Product Code:

(1) Customer:

APD:艾普达

(2) Project:

3311F1: SLK-APD-3311F1(WIFI antenna 2.4~2.5GHz 5~5.85GHz)

(3) Welding Position

R:Right

(4) Cable Length:

430IV:430*1.13MM四代端子

(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.

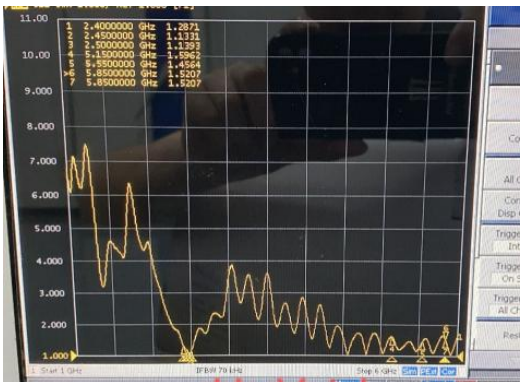
5. Electrical Specifications

5-1

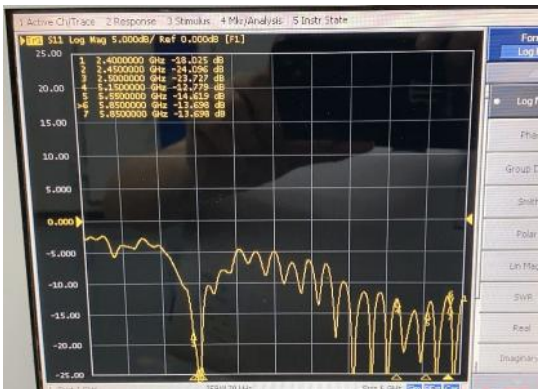
Characteristics	Specifications	Unit
Outline Dimensions	33.04*11.2*0.12	mm
Bandwidth(under-10dB return loss)	130min	MHz
VSWR	3max	
Impedance	50	Ω
Polarization	Linear Polarization	

5-2

VSWR

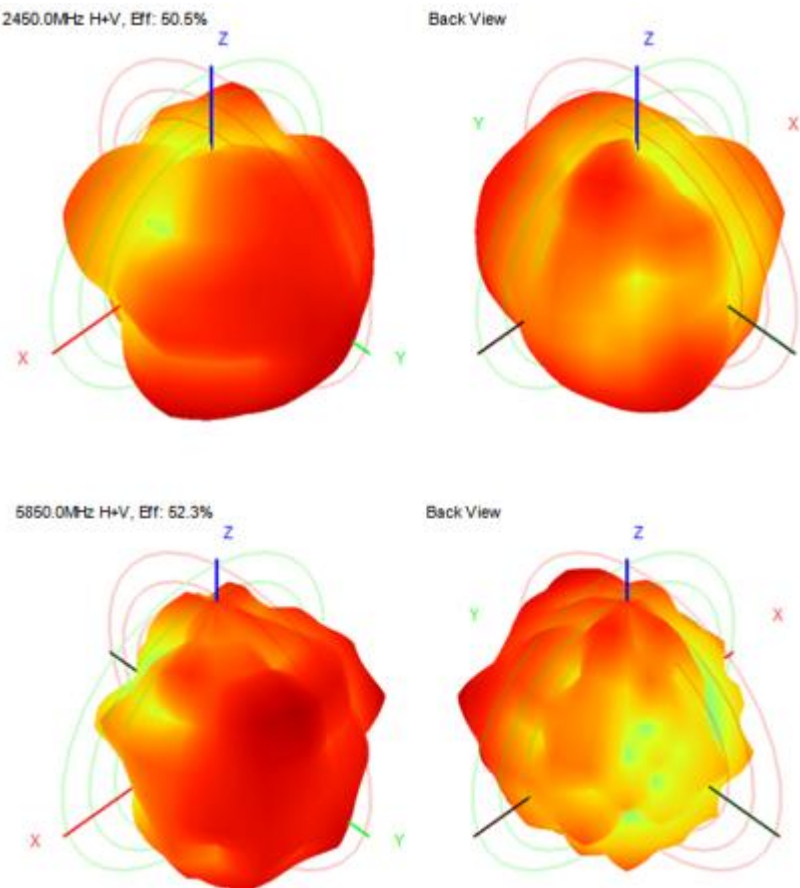


S11

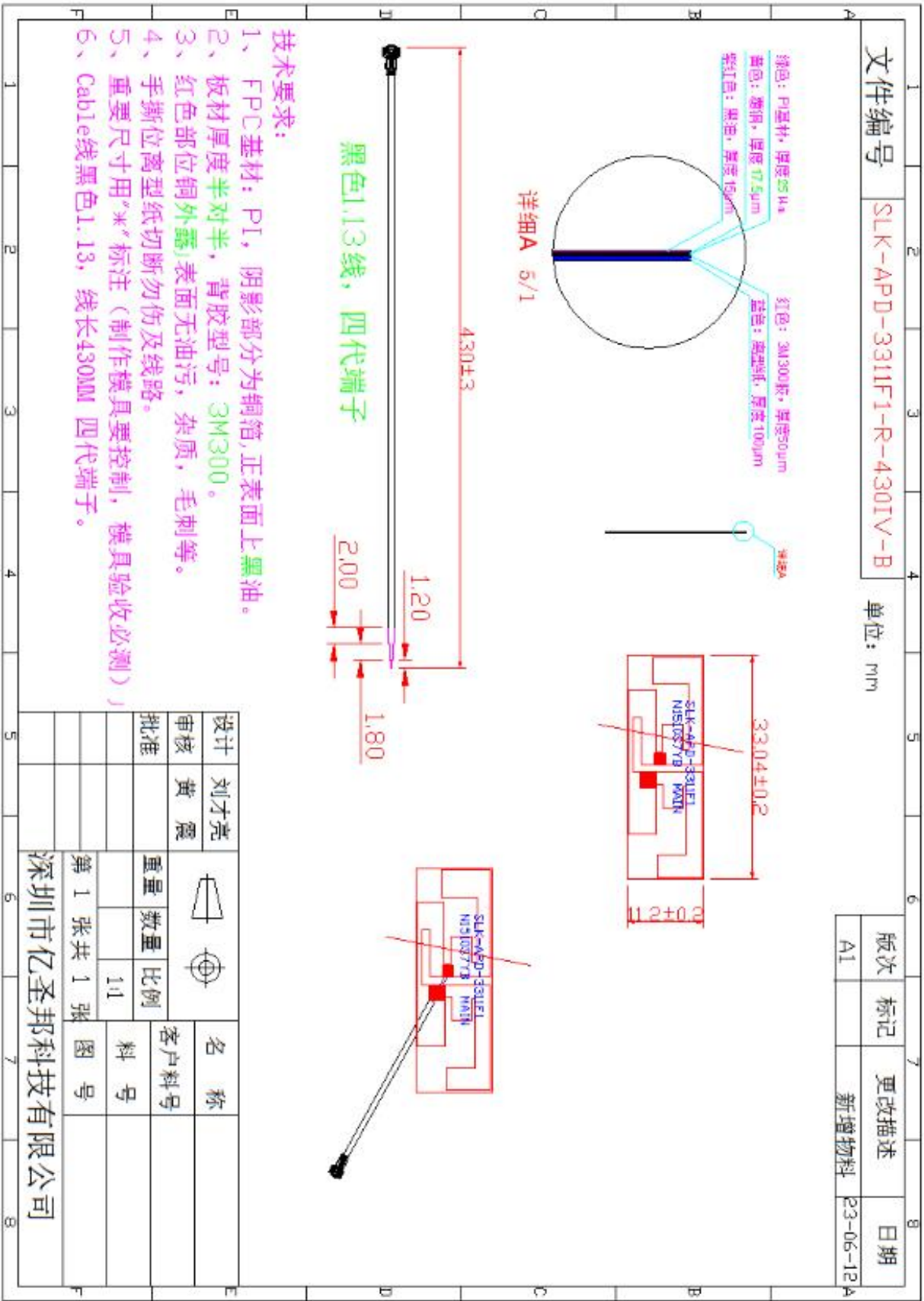


5-3.WIFI Antenna Gain/Efficiency/Radiation Pattern of 3D

Frequency	Efficiency	Gain (dBi)	Efficiency (%)
2400.0	-2.91	2.34	51.21
2410.0	-2.88	2.59	51.57
2420.0	-3.14	2.65	48.53
2430.0	-2.82	3.03	52.20
2440.0	-2.86	3.44	51.77
2450.0	-2.97	3.06	50.46
2460.0	-3.04	3.33	49.70
2470.0	-3.13	3.05	48.61
2480.0	-3.07	3.30	49.28
2490.0	-2.87	3.34	51.64
2500.0	-3.03	2.66	49.72
5150.0	-3.15	3.16	48.47
5350.0	-3.02	4.10	49.93
5550.0	-2.77	4.45	52.84
5650.0	-2.92	3.87	51.01
5850.0	-2.82	4.83	52.26



6. Antenna Dimensions (unit: mm)

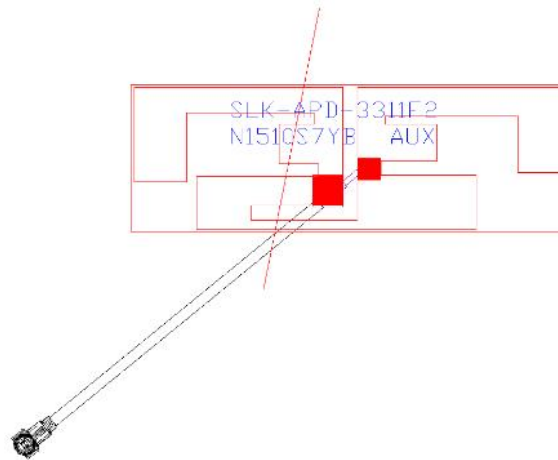


WIFI Antenna AUX(3311F2)

1. Explanation of Product number :

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

1 2 3 4 5



Product Code:

(1) Customer:

APD: 艾普达

(2) Project:

3311F2: SLK-APD-3311F2(WIFI antenna 2.4~2.5GHz 5~5.85GHz)

(3) Welding Position

L: Left

(4) Cable Length:

280IV: 280*1.13MM 四代端子

(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	33.04*11.2*0.12	mm
Bandwidth(under-10dB return loss)	130min	MHz
VSWR	3max	
Impedance	50	Ω
Polarization	Linear Polarization	

5-2

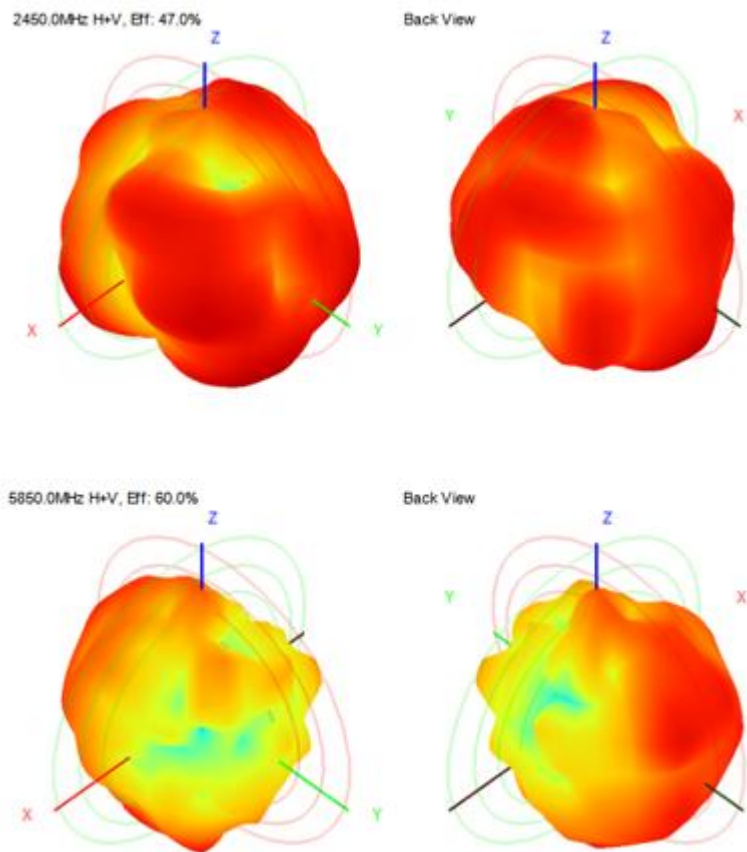
VSWR

S11

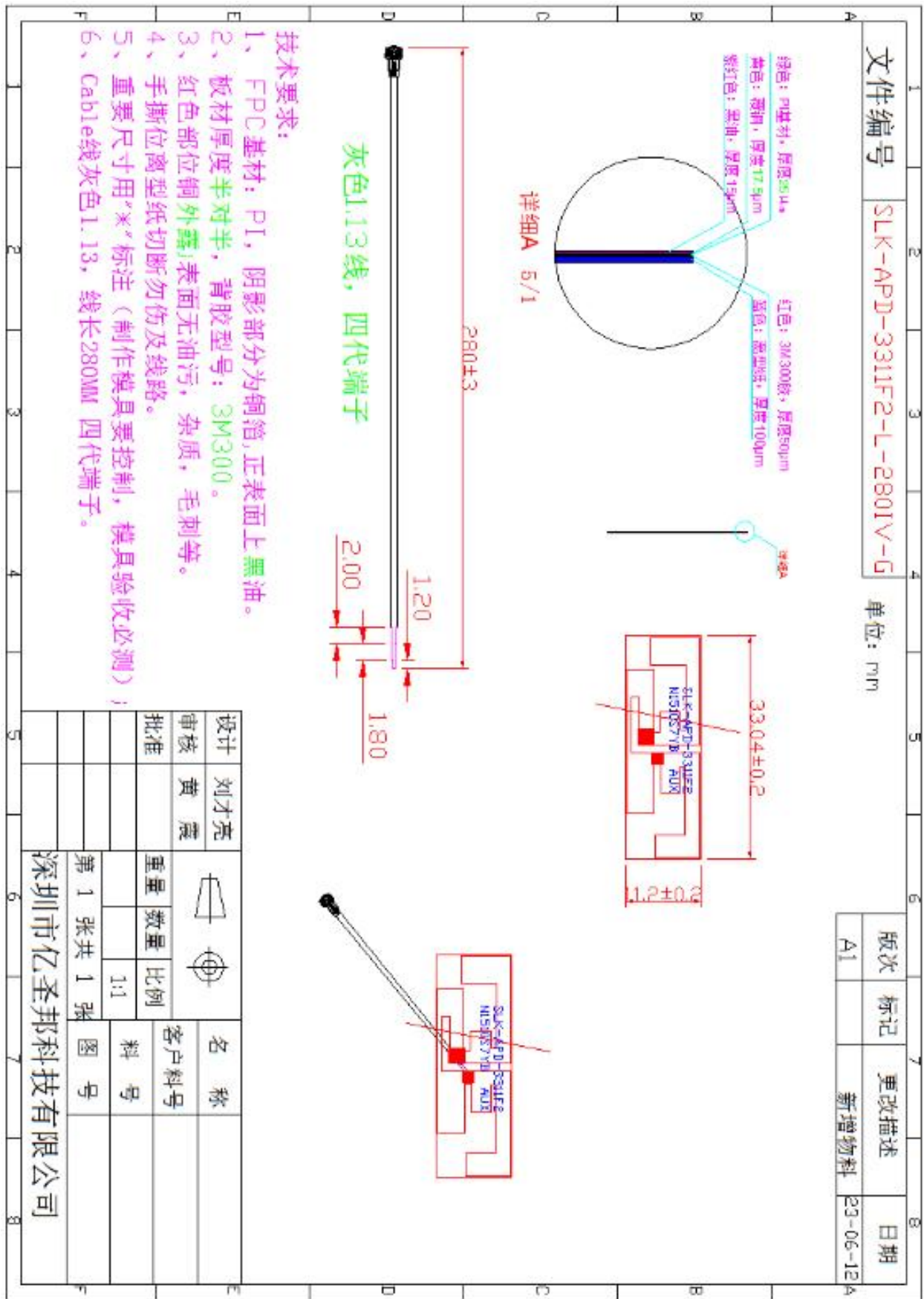


5-3.WIFI Antenna Gain/Efficiency/Radiation Pattern of 3D

Frequency	Efficiency	Gain (dBi)	Efficiency (%)
2400.0	-3.20	1.79	47.87
2410.0	-3.02	2.07	49.84
2420.0	-3.25	2.00	47.29
2430.0	-3.01	2.22	49.98
2440.0	-3.24	2.38	47.38
2450.0	-3.28	1.97	46.96
2460.0	-3.51	1.77	44.62
2470.0	-3.48	2.07	44.92
2480.0	-3.26	2.53	47.19
2490.0	-3.14	2.71	48.56
2500.0	-3.37	2.11	46.08
5150.0	-2.75	4.76	53.09
5350.0	-2.18	4.91	60.58
5550.0	-2.23	4.59	59.85
5650.0	-2.41	4.14	57.37
5850.0	-2.23	4.54	59.90



6. Antenna Dimensions (unit: mm)



7. Antenna Picture



WIFI-副天线

WIFI-主天线

