

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): 东莞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): miniPC MPC12P0YN

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

供应商型号 (SLK 填写): WIFI MAIN:SLK-APD-2516A6-L-60IV-B

WIFI AUX:SLK-APD-2516A7-L-210IV-G

承认签章

供应商承认

东莞市艾普达科技有限公司

工程师

审核

批准

工程师

审核

批准

范新竹

黄震

林美财

盖章签署

盖章签署

日期

日期

2024-07-31

日期

日期

批示: ☐接受 ☐有条件接受

备注 (客户填写):

Shenzhen Yishengbang Technology Co., Ltd

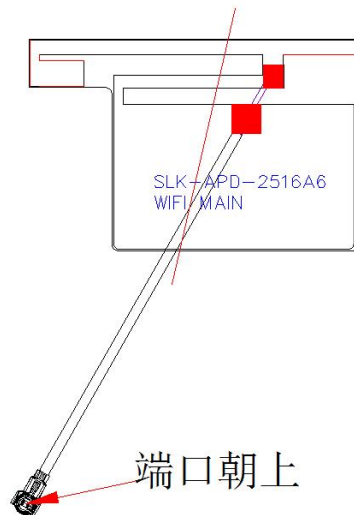
Address: 101, Building C, Qianwan Hard Technology Industrial Park, Nanchang Community, Xixiang Street, Bao'an District, Shenzhen, China

电话: 18666299104

传真: 0769-82553116

WIFI MAIN

1. Explanation of Product number :



Product Code:

- (1) Customer: 艾普达
- (2) Antenna Name: WIFI 天线 (WIFI Antenna)
- (3) Connector: 0.81 黑色线, 总长60mm, 4代端子

2. Features

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

3. Applications

- * IEEE802.11 (b/g/n/a)
- * Hand-held devices when WIFI (802.11b/g/n/a) functions are needed

4. Description

Holy bond's FPC antenna series are specially designed for WIFI (802.11b/g/n/a) 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

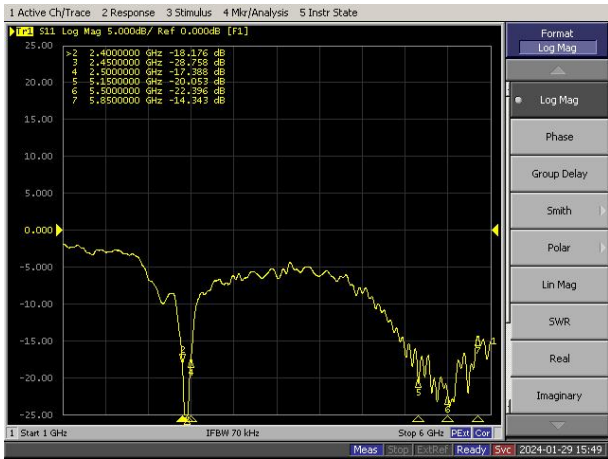
Characteristics	Specifications	Unit
Outline Dimensions	25.43x16.19x0.12	mm
Center Frequency	2.4-2.5+5.15-5.85	GHz
Bandwidth(under-10dB return loss)	130min	MHz
VSWR	3max	

5-2.

VSWR



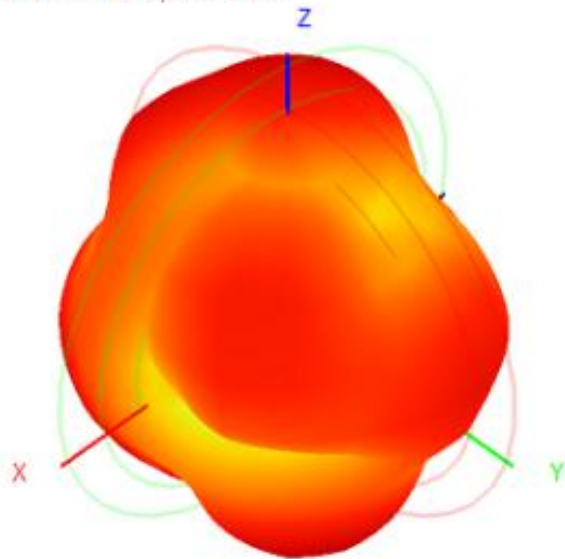
S11



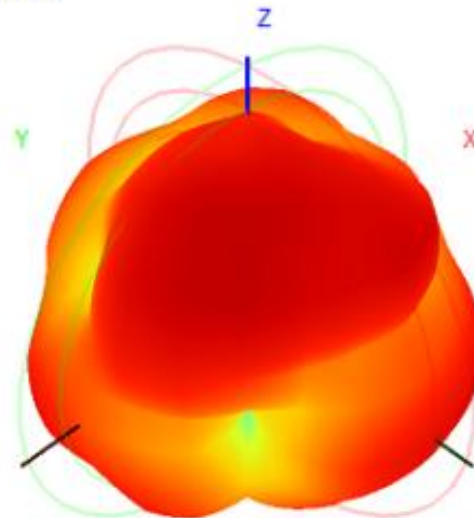
5-3.WIFI Antenna Gain/Efficiency/Radiation Pattern of 3D

Frequency (MHz)	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500	5150	5350	5500	5650	5850
Efficiency (dBi)	-2.96	-2.78	-2.85	-2.68	-2.88	-2.86	-2.77	-2.88	-2.83	-3.00	-3.00	-2.90	-2.91	-2.74	-2.96	-2.62
Gain (dBi)	2.13	2.16	1.91	1.96	1.77	1.56	1.75	1.40	1.66	1.65	1.47	2.77	2.60	2.25	2.75	2.38
Efficiency (%)	50.49	52.64	51.83	53.94	51.42	51.74	52.84	51.44	52.08	50.06	50.01	51.23	51.08	53.16	50.53	54.59

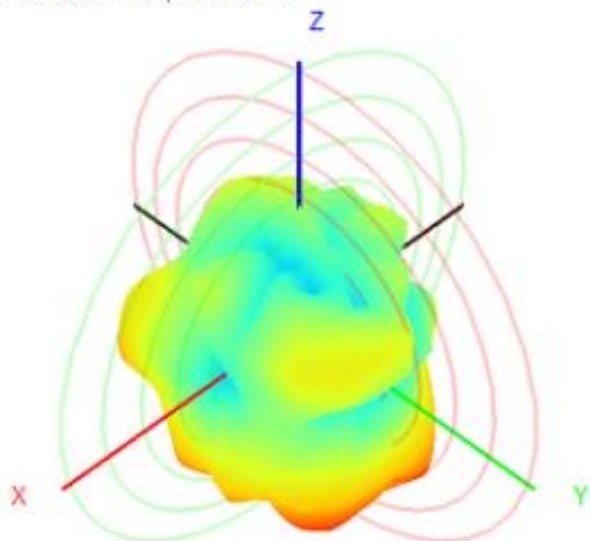
2450.0MHz H+V, Eff: 51.7%



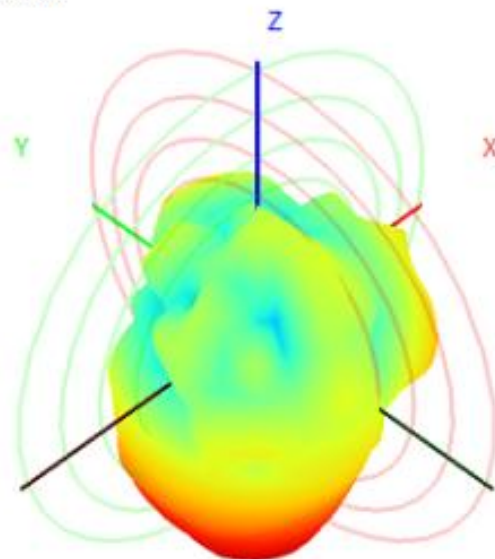
Back View



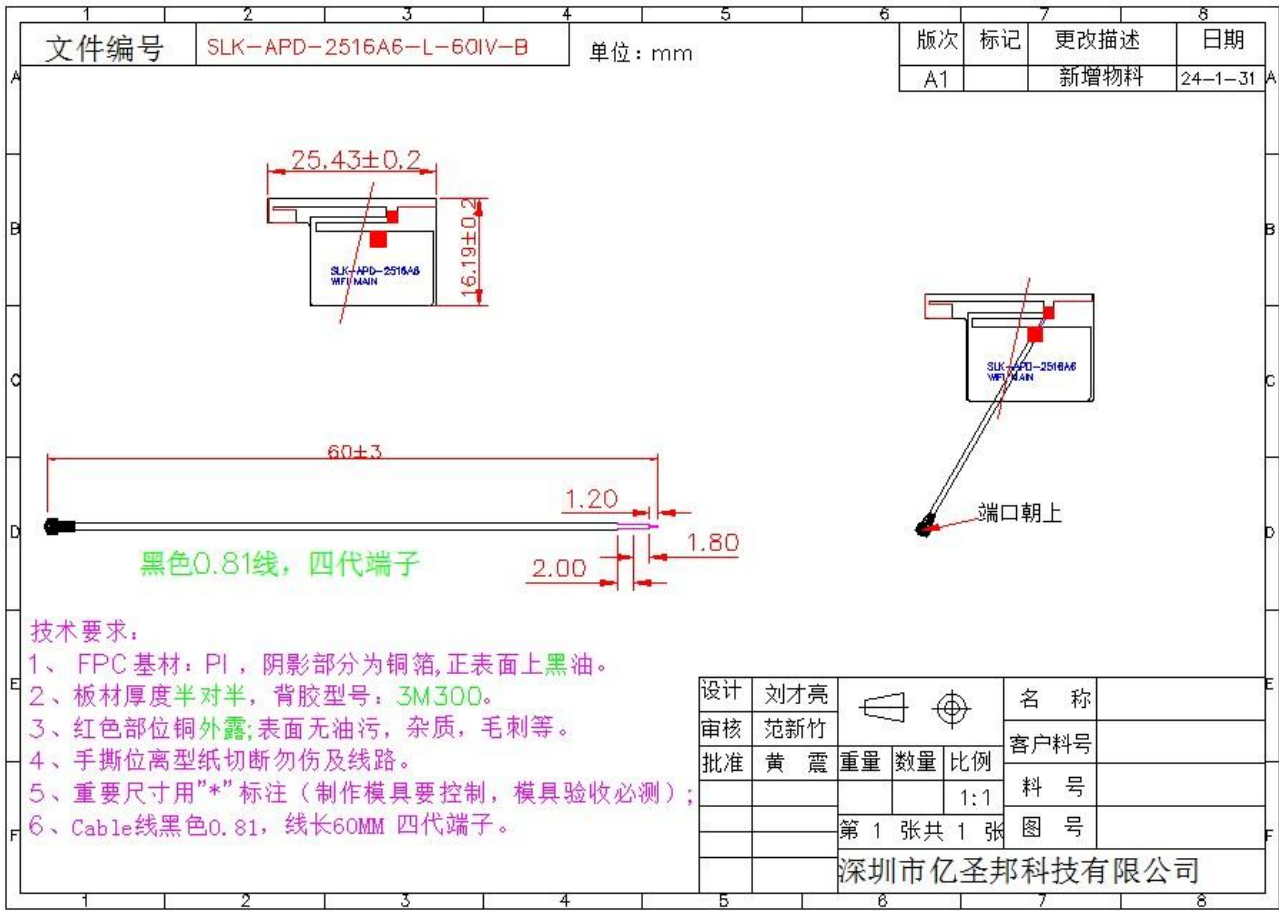
5850.0MHz H+V, Eff: 54.6%



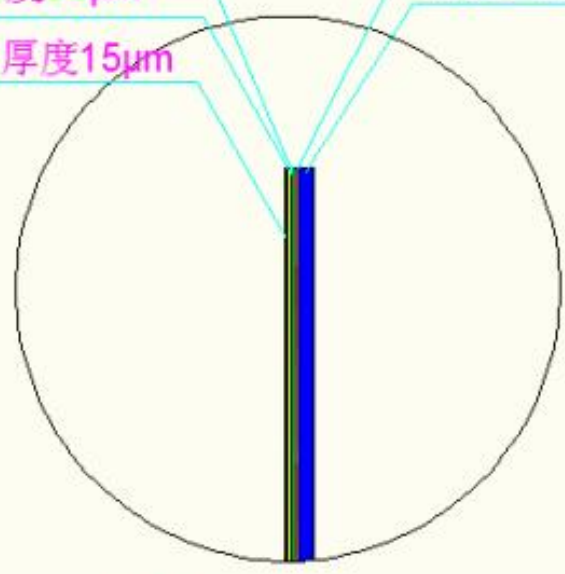
Back View



6. Antenna Dimensions (unit: mm)



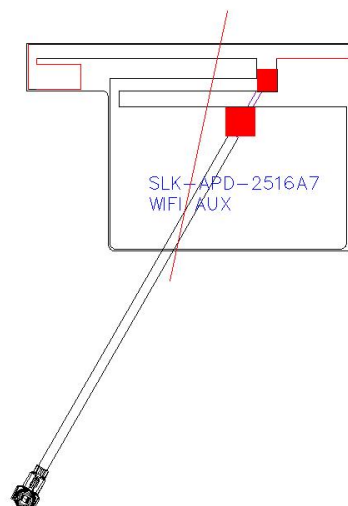
绿色: PI基材, 厚度 $25\mu\text{m}$
黄色: 覆铜, 厚度 $35\mu\text{m}$
紫红色: 黑油, 厚度 $15\mu\text{m}$
红色: 3M300胶, 厚度 $50\mu\text{m}$
蓝色: 离型纸, 厚度 $100\mu\text{m}$



详细A 5/1

WIFI AUX

1. Explanation of Product number :



Product Code:

(1) Customer: 艾普达

(2) Antenna Name: WIFI 天线 (WIFI Antenna)

(3) Connector: 0.81灰色线, 总长210mm, 4代端子

2. Features

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

3. Applications

- * IEEE802.11 (b/g/n/a)
- * Hand-held devices when WIFI (802.11b/g/n/a) functions are needed

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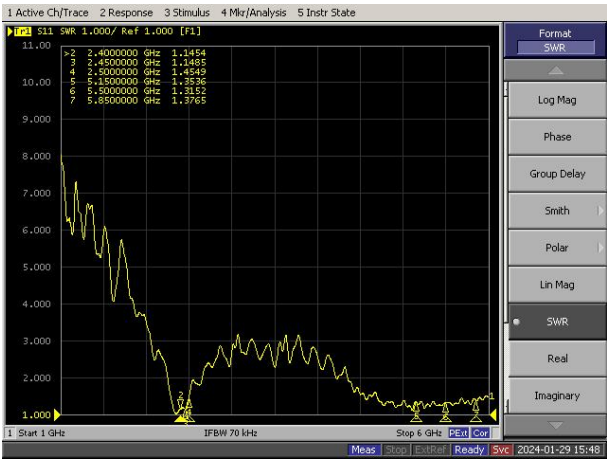
5. Electrical Specifications

5-1

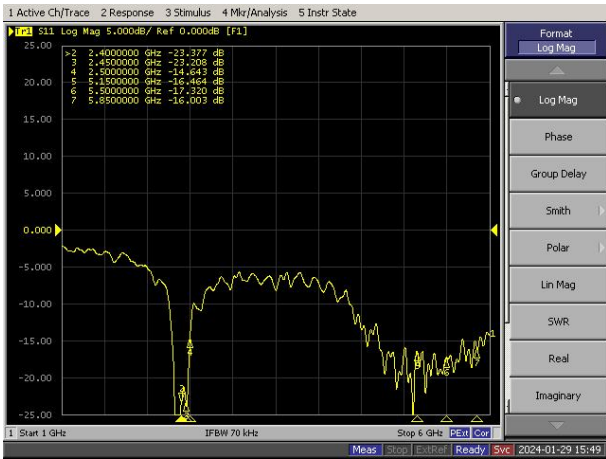
Characteristics	Specifications	Unit
Outline Dimensions	25.43x16.19x0.12	mm
Center Frequency	2.4-2.5+5.15-5.85	GHz
Bandwidth(under-10dB return loss)	130min	MHz
VSWR	3max	

5-2.

VSWR



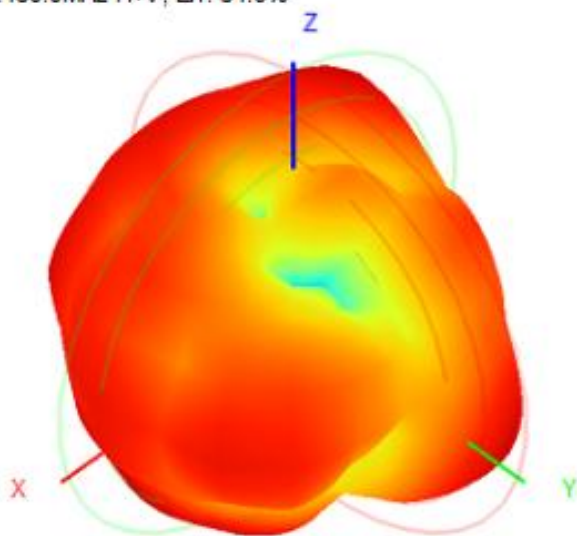
S11



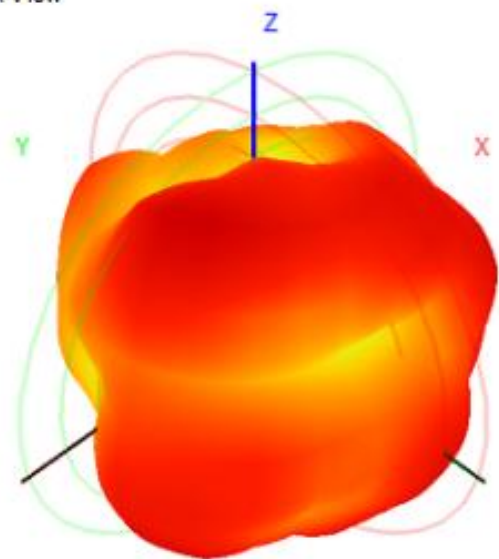
5-3.WIFI Antenna Gain/Efficiency/Radiation Pattern of 3D

Frequency (MHz)	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500	5150	5350	5500	5650	5850
Efficiency (dBi)	-2.89	-2.67	-2.62	-2.51	-2.65	-2.63	-2.46	-2.66	-2.69	-2.75	-2.96	-3.00	-2.63	-2.87	-2.69	-2.92
Gain (dBi)	1.35	1.66	1.77	2.02	1.68	1.58	1.80	1.41	1.63	1.69	1.60	2.09	2.14	2.04	2.22	2.63
Efficiency (%)	51.42	54.09	54.75	56.10	54.32	54.57	56.70	54.17	53.85	53.07	50.61	50.01	54.48	51.54	53.76	51.05

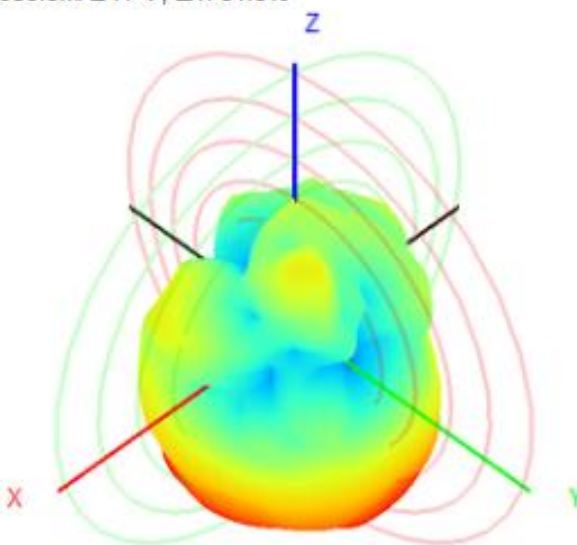
2450.0MHz H+V, Eff: 54.6%



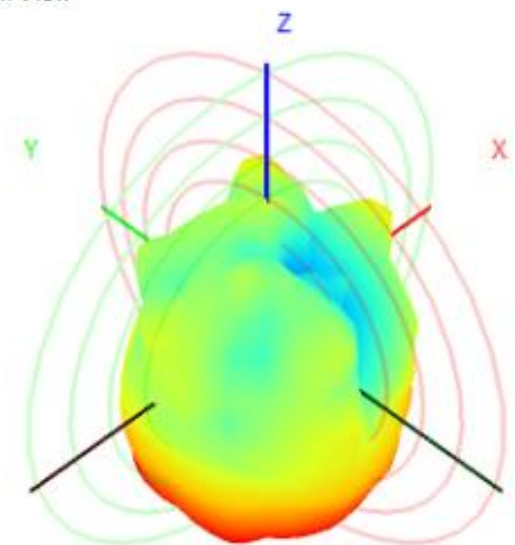
Back View



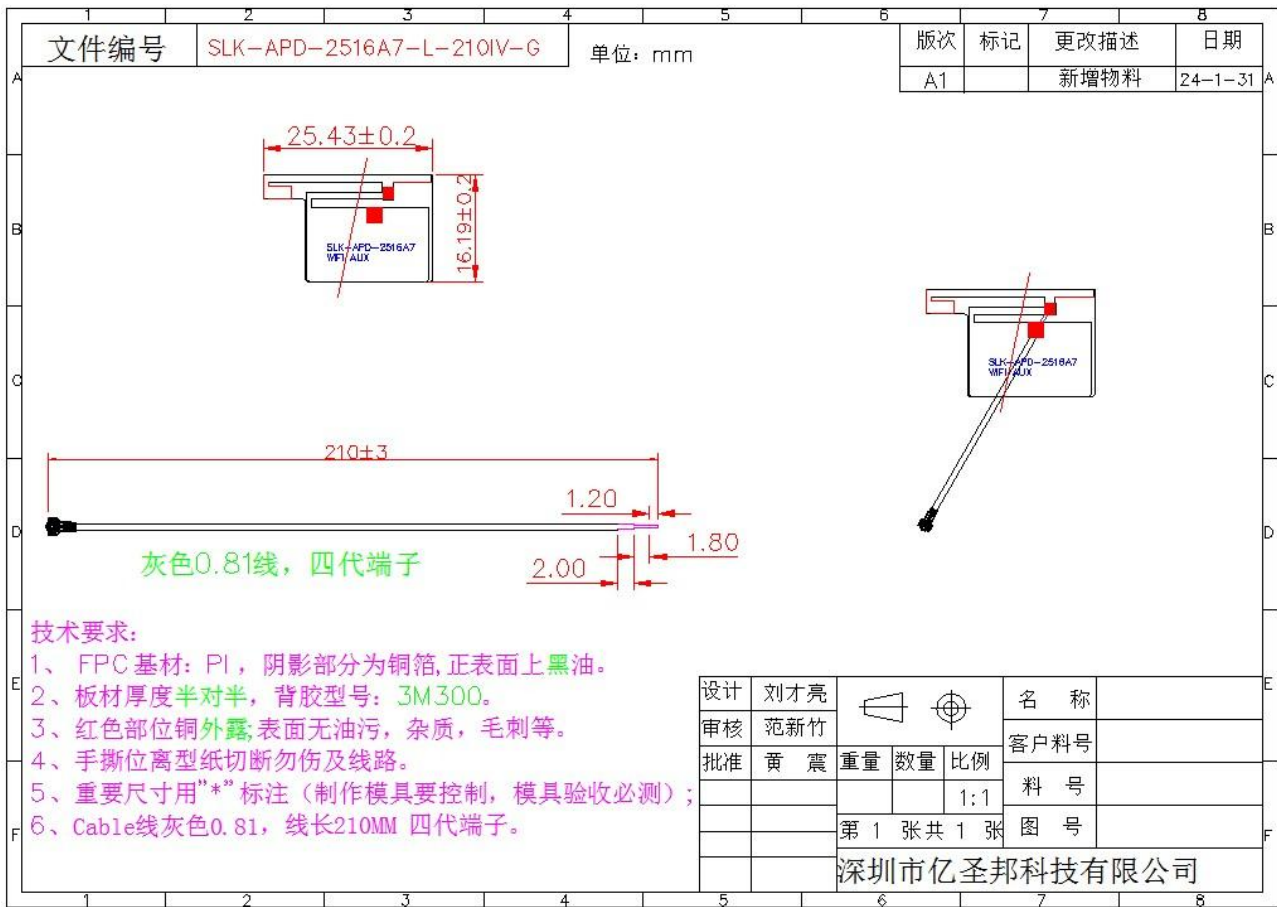
5850.0MHz H+V, Eff: 51.0%



Back View



6. Antenna Dimensions (unit: mm)



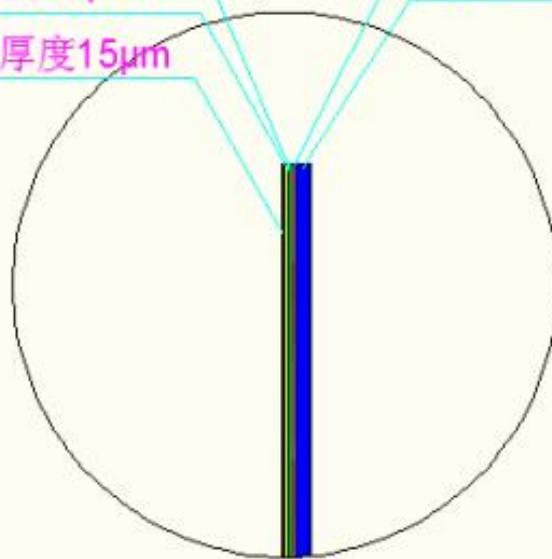
绿色: PI基材, 厚度25 μm

红色: 3M300胶, 厚度50μm

黄色: 覆铜, 厚度35μm

蓝色: 离型纸, 厚度100μm

紫红色: 黑油, 厚度15μm



详细A 5/1

7. Antenna Picture

