

# 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): 深圳市纳斯达工贸有限公司

物料代码 (客户填写): \_\_\_\_\_

规格型号 (客户填写): NJ10116

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-NSD-2516G1-R-220IV-B

WIFI AUX: SLK-NSD-2025F1-L-310IV-G

### 承 认 签 章

供 应 商 承 认

深圳市纳斯达工贸有限公司

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

2023-08-16

日

期

批示: 接受 有条件接受

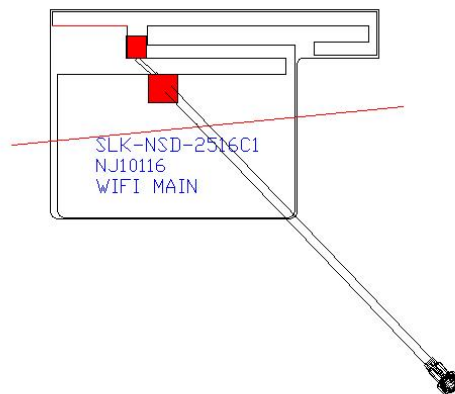
备注 (客户填写):

Supplier name: Shenzhen Yi Sheng Bang technology Co., LTD

Supplier address: 101, Building C, Qianwan Hard Science and Technology Industrial Park, Nanchang Community, Xixiang Street, Baoan District, Shenzhen

# WIFI MAIN

## 1. Explanation of Product number :



Product Code:

- (1) Customer: 纳斯达
- (2) Antenna Name: WIFI 天线 (WIFI Antenna)
- (3) Connector: 1.13 黑色线, 总长220mm, 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

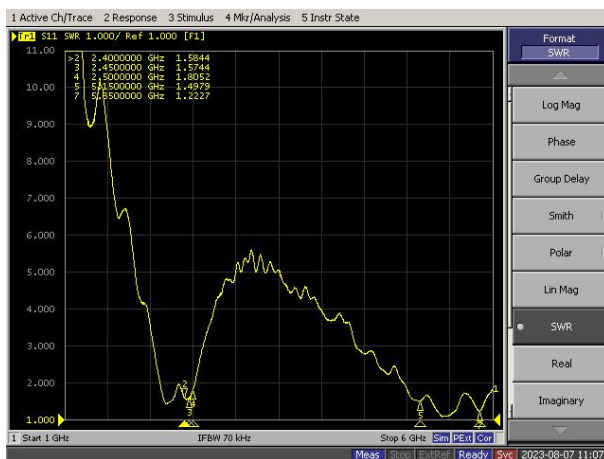
### 5-1

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

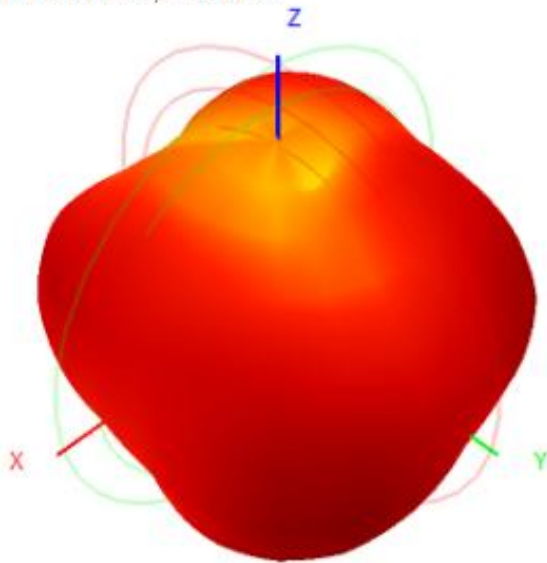
S11



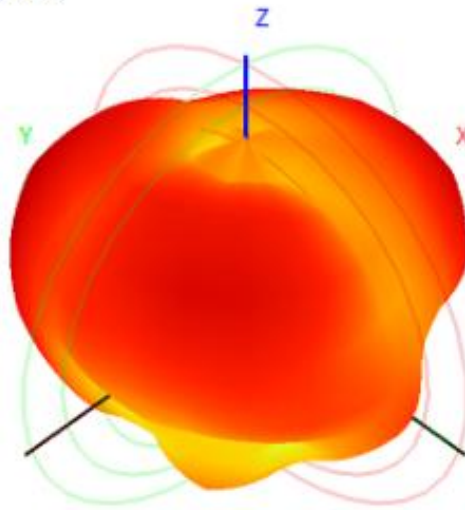
### 5-3.WIFI +BT Antenna Gain/Efficiency/Radiation Pattern of 3D

Frequency (MHz)	2400.0	2410.0	2420.0	2430.0	2440.0	2450.0	2460.0	2470.0	2480.0	2490.0	2500.0	5150.0	5350.0	5500.0	5650.0	5850.0
Efficiency (dBi)	-3.68	-3.41	-3.15	-3.14	-3.24	-3.35	-3.26	-3.52	-3.34	-3.37	-3.59	-2.98	-2.22	-2.60	-2.52	-2.46
Gain (dBi)	1.63	1.56	1.71	1.90	1.94	2.00	2.06	1.98	2.34	2.45	2.11	2.12	2.65	2.63	2.48	2.30
Efficiency (%)	42.85	45.60	48.39	48.50	47.43	46.24	47.24	44.45	46.39	46.04	43.78	50.32	59.98	54.91	55.85	56.65

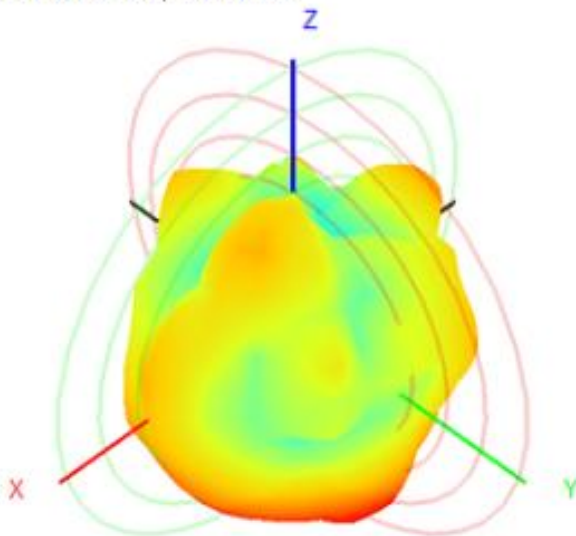
2450.0MHz H+V, Eff: 46.2%



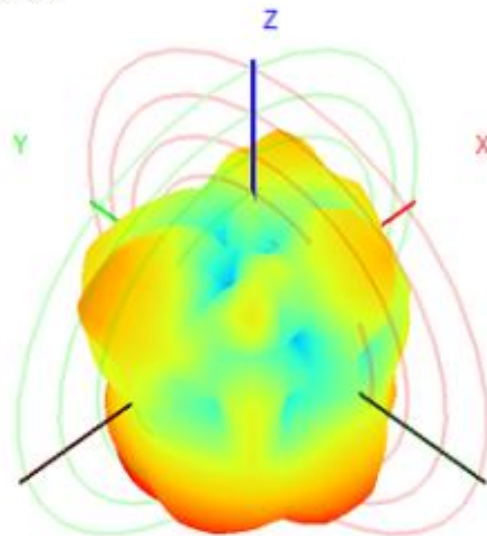
Back View



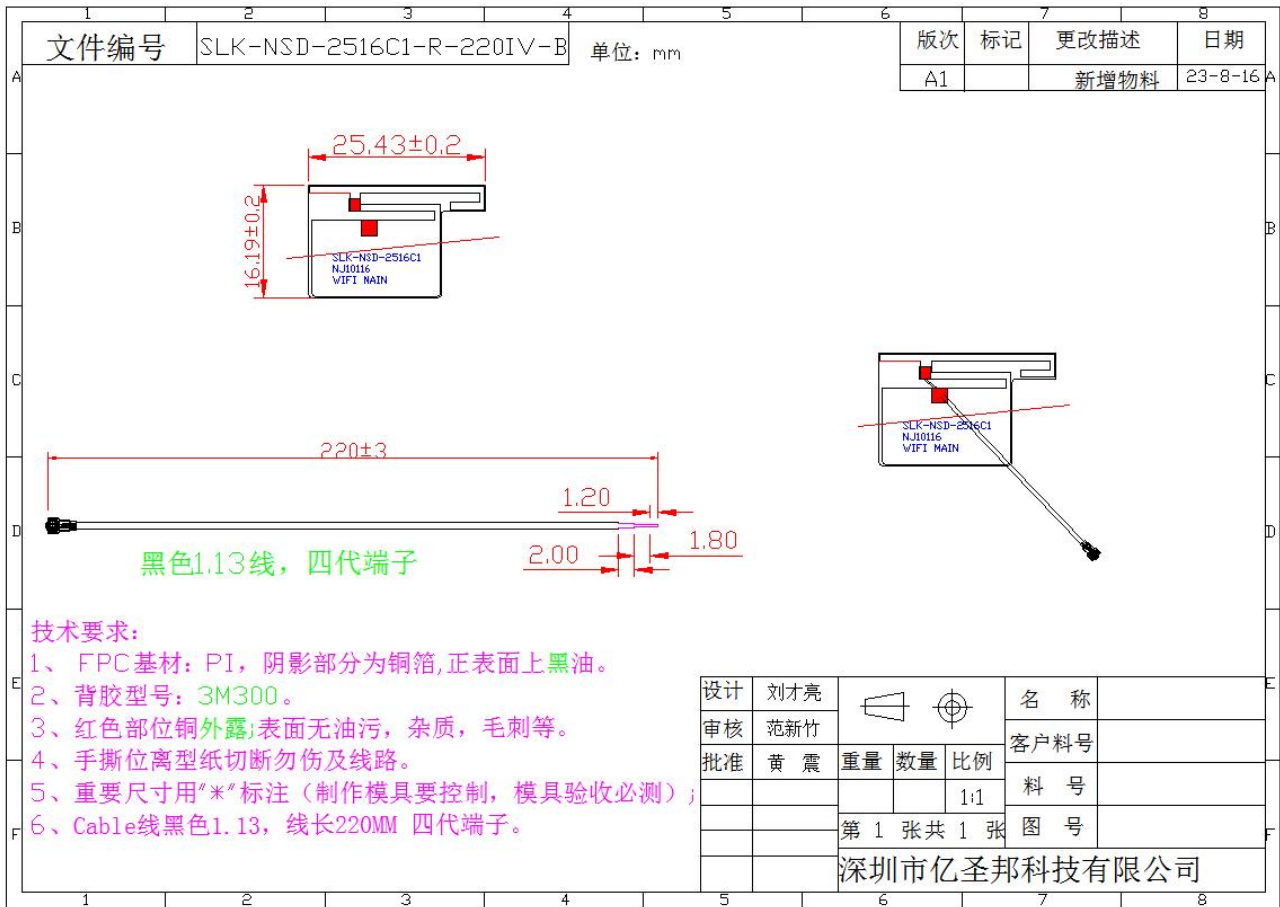
5850.0MHz H+V, Eff: 56.7%



Back View



## 6. Antenna Dimensions (unit: mm)



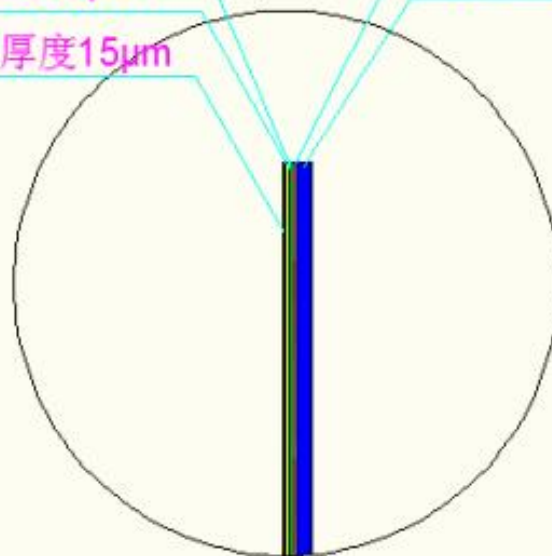
绿色: PI基材, 厚度25 μm

红色: 3M300胶, 厚度50 μm

黄色: 覆铜, 厚度35 μm

蓝色: 离型纸, 厚度100 μm

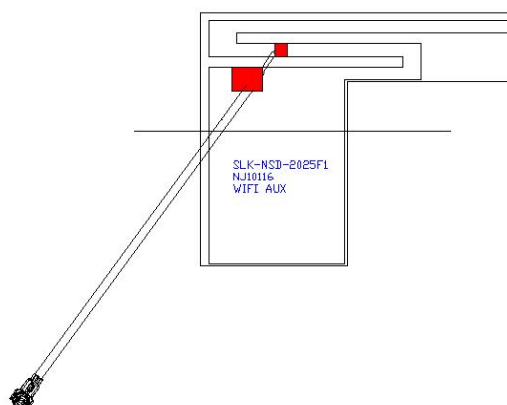
紫红色: 黑油, 厚度15 μm



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# WIFI AUX

## 1. Explanation of Product number :



Product Code:

- (1) Customer: 纳斯达
- (2) Antenna Name: WIFI 天线 (WIFI Antenna)
- (3) Connector: 1.13 灰色线, 总长 310mm, 4代端子

## 2. Features

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

## 3. Applications

- \* IEEE802.11 (b/g/n/a)
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## 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

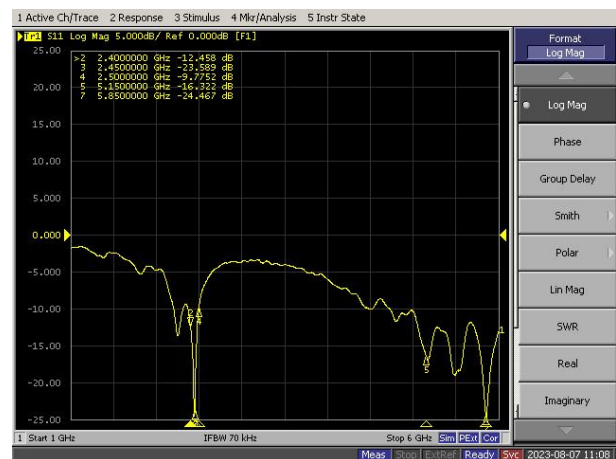
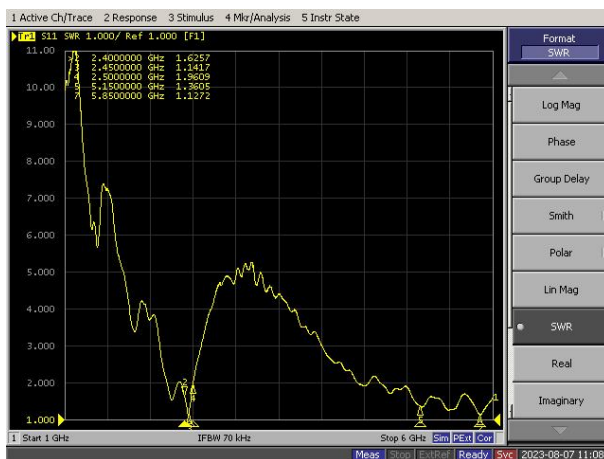
### 5-1

Characteristics	Specifications	Unit
Outline Dimensions	25.5x20.6x0.12	mm
Center Frequency	2.4-2.5+5.15-5.85	GHz
Bandwidth(under-10dB return loss)	130min	MHz
VSWR	3max	

### 5-2.

VSWR

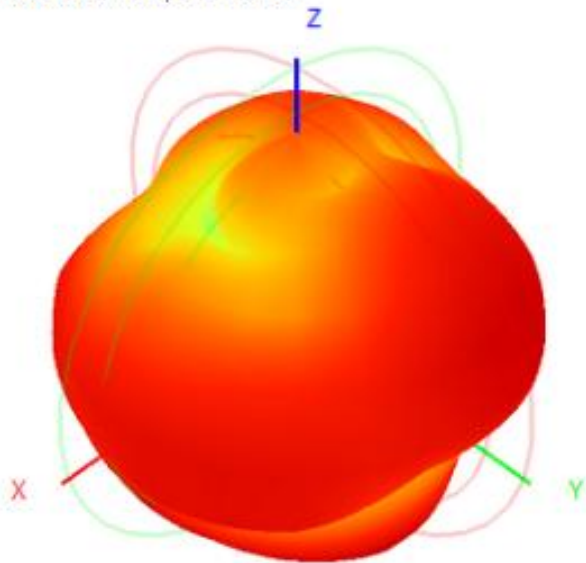
S11



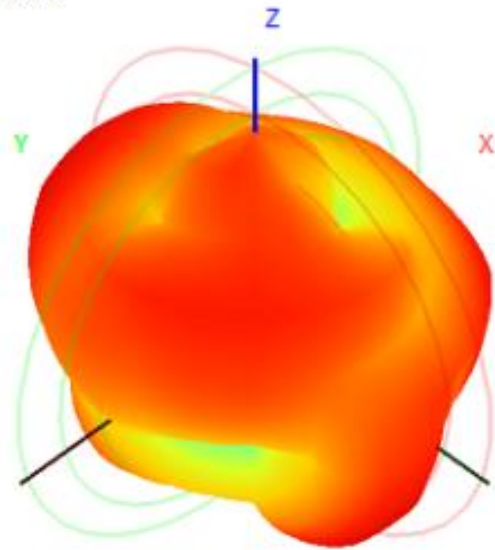
### 5-3.WIFI +BT Antenna Gain/Efficiency/Radiation Pattern of 3D

Frequency (MHz)	2400.0	2410.0	2420.0	2430.0	2440.0	2450.0	2460.0	2470.0	2480.0	2490.0	2500.0	5150.0	5350.0	5500.0	5650.0	5850.0
Efficiency (dBi)	-3.93	-3.71	-3.35	-3.26	-3.25	-3.39	-3.37	-3.60	-3.31	-3.40	-3.69	-2.73	-2.69	-2.46	-2.42	-2.81
Gain (dBi)	1.98	2.27	2.41	2.30	2.11	1.46	1.50	1.40	2.05	2.08	2.07	2.05	2.18	2.45	2.47	2.33
Efficiency (%)	40.43	42.54	46.27	47.26	47.34	45.77	46.05	43.68	46.62	45.69	42.78	53.28	53.82	56.72	57.21	52.32

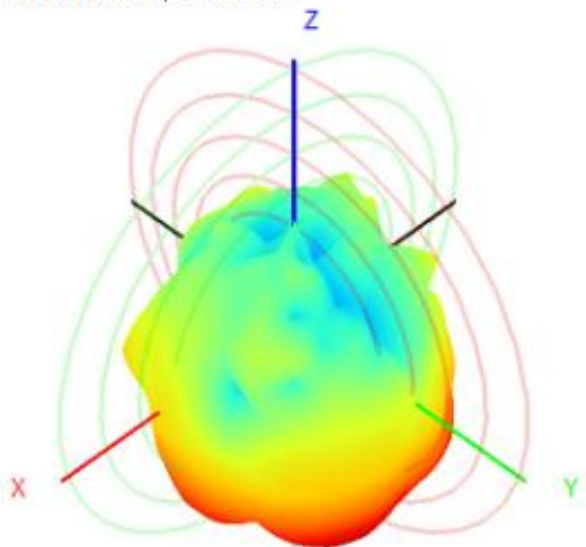
2450.0MHz H+V, Eff: 45.8%



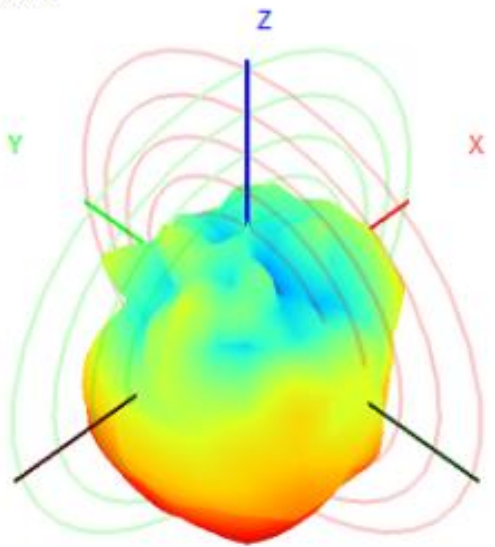
Back View



5850.0MHz H+V, Eff: 52.3%

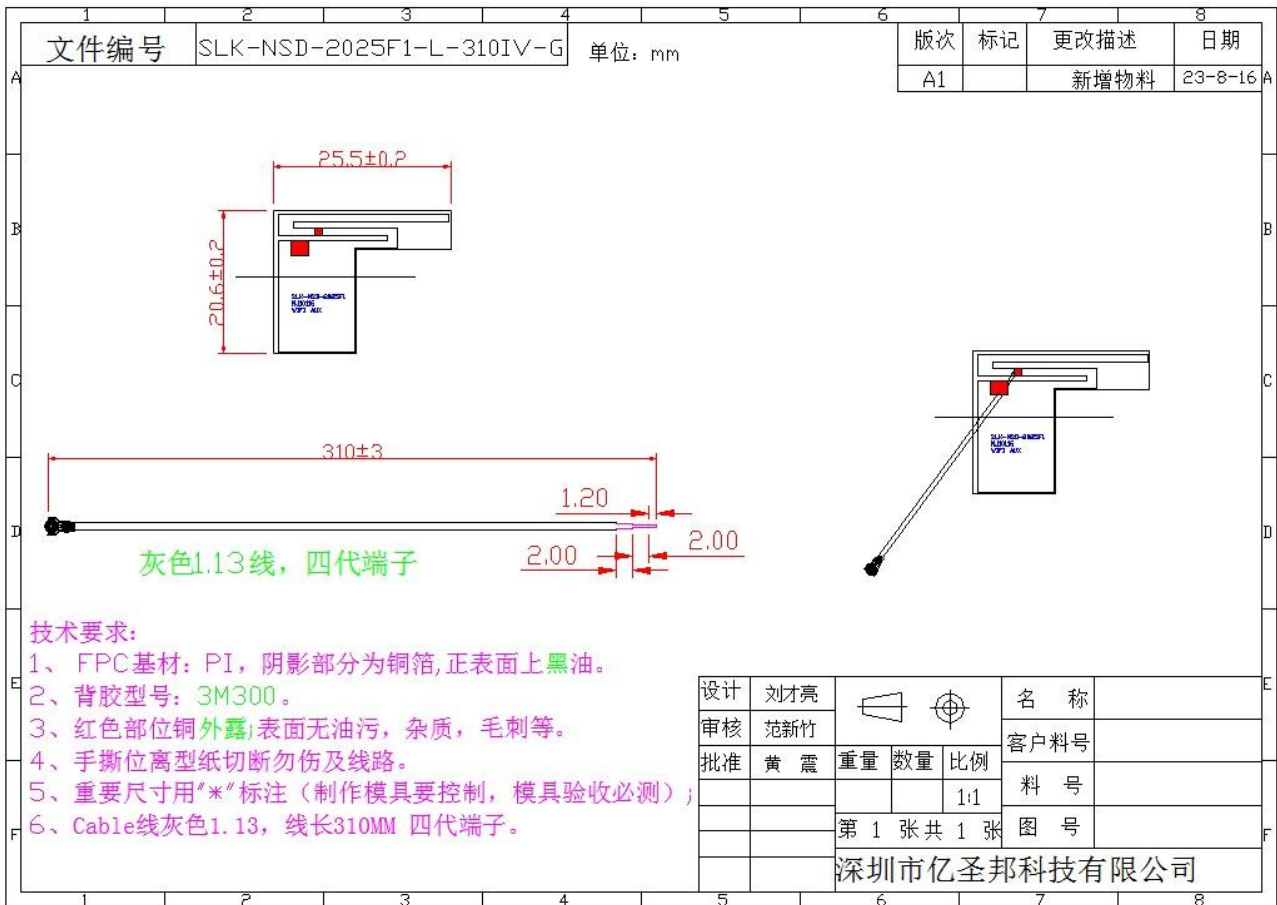


Back View





## 6. Antenna Dimensions (unit: mm)



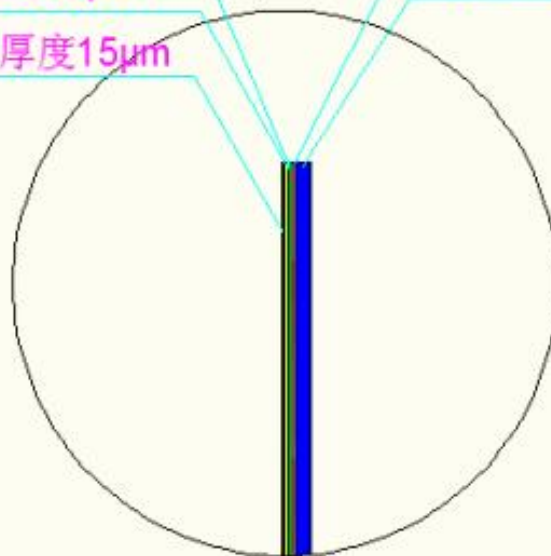
绿色: PI基材, 厚度25 μm

红色: 3M300胶, 厚度50 μm

黄色: 覆铜, 厚度35 μm

蓝色: 离型纸, 厚度100 μm

紫红色: 黑油, 厚度15 μm



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## 7. Antenna Picture

