

深圳市亿圣邦科技有限公司 样品承认书

SPECIFICATION FOR APPROVAL

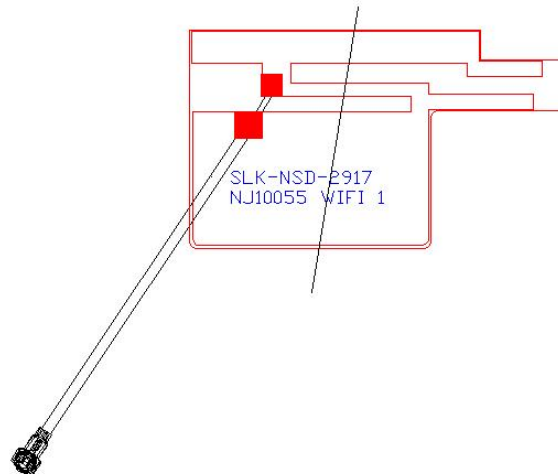
公司名称 (客户填写) : 深圳市纳斯达工贸有限公司
物料代码 (客户填写) : _____
规格型号 (客户填写) : NJ10055
承认日期 (客户填写) : _____
供应商名称 (SLK 填写) : 深圳市亿圣邦科技有限公司
供应商型号 (SLK 填写) : WIFI 1:SLK-NSD-2917-L-300IV-B
WIFI 2:SLK-NSD-2516X4-R-475IV-G

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	2023-06-05		日 期		
批示: <input type="checkbox"/> 接受 <input type="checkbox"/> 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: 深圳市宝安区西乡街道南昌社区前湾硬科技产业园 C 栋 101
电 话: 18666299104 传 真: 0769-82553116

WIFI 1

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300mm, 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	29.3x17x0.12	mm
Center Frequency	2.4-2.5+5.15-5.85	GHz
Bandwidth(under-10dB return loss)	130min	MHz
VSWR	3max	

5-2.

VSWR

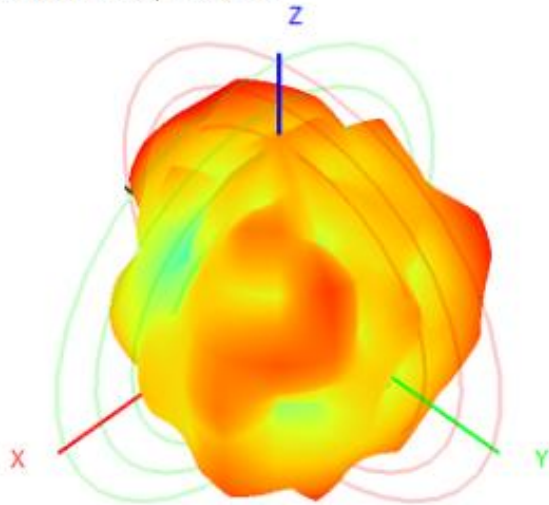
S11



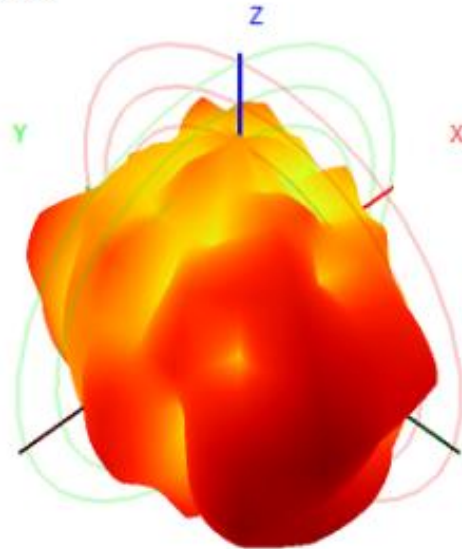
5-3.WIFI +BT Antenna Gain/Efficiency/Radiation Pattern of 3D

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)	-3.28	-3.37	-3.55	-3.65	-3.76	-3.59	-3.25	-3.28	-3.08	-3.08	-3.08	-3.71	-3.20	-3.41	-3.15	-3.53
Gain (dBi)	1.06	1.15	1.21	1.39	1.56	1.93	2.40	2.43	2.42	2.59	2.59	1.07	1.51	1.08	1.65	2.67
Efficiency (%)	46.96	45.93	44.10	43.05	42.05	43.72	47.25	46.99	49.19	49.14	49.19	42.55	47.82	45.52	48.38	44.35

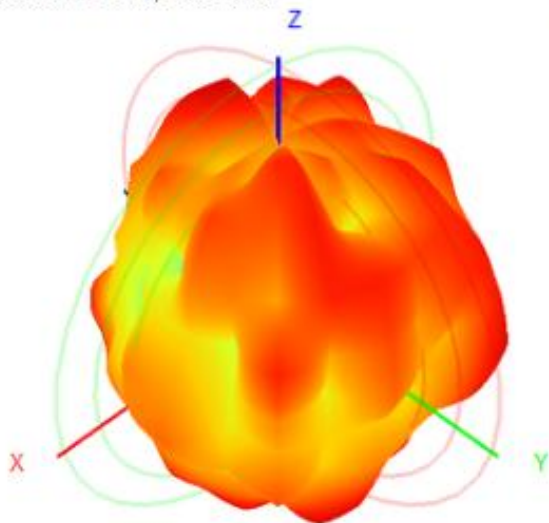
2450.0MHz H+V, Eff: 43.7%



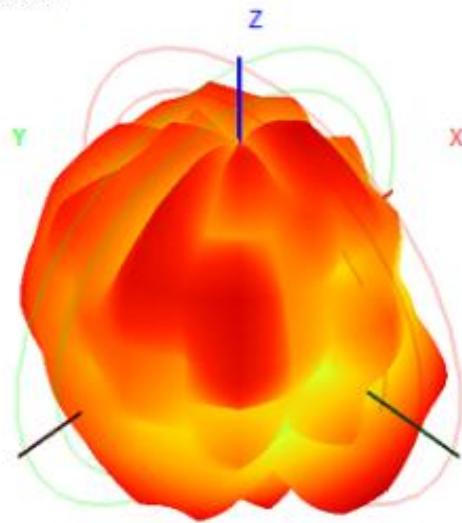
Back View



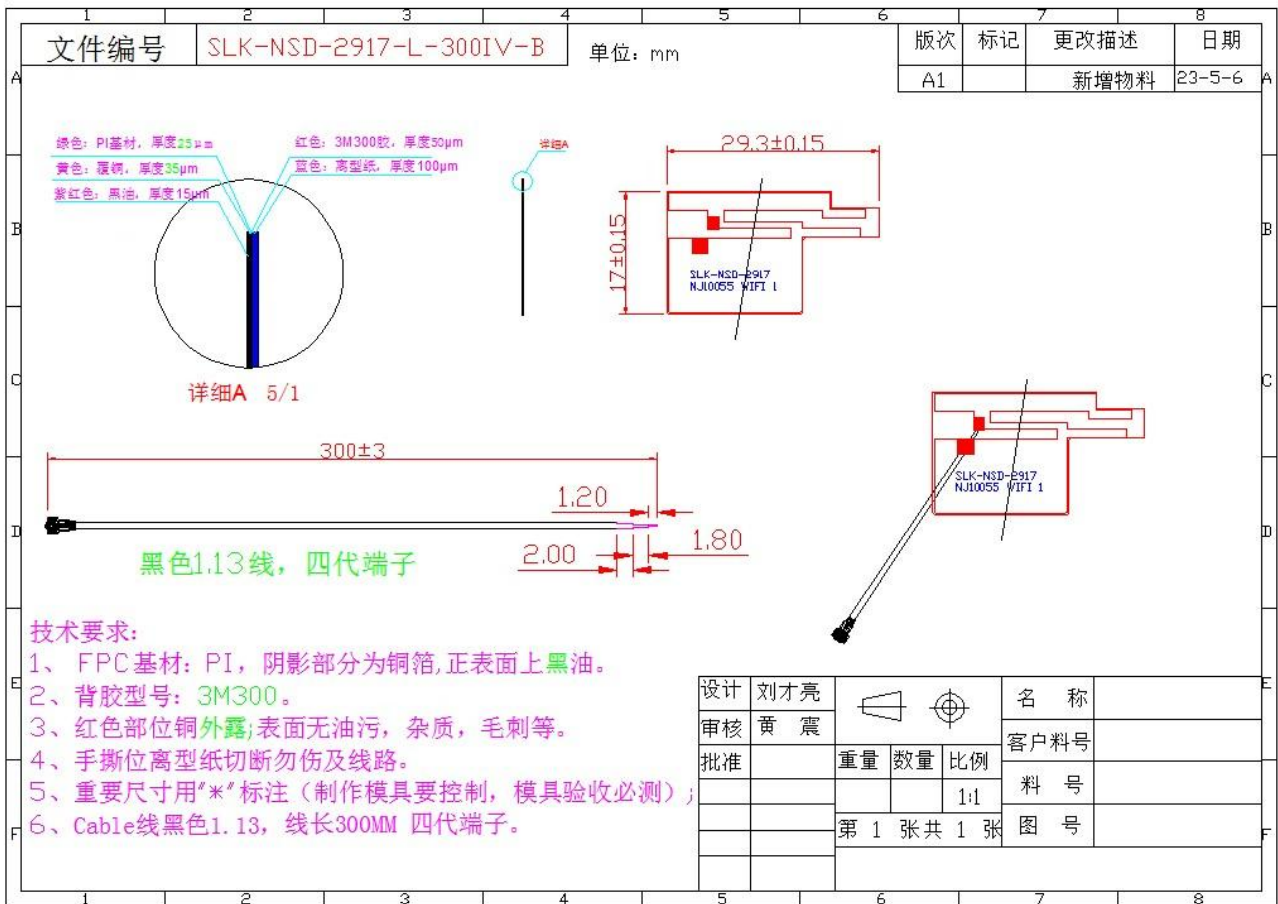
5850.0MHz H+V, Eff: 44.3%



Back View



6. Antenna Dimensions (unit: mm)



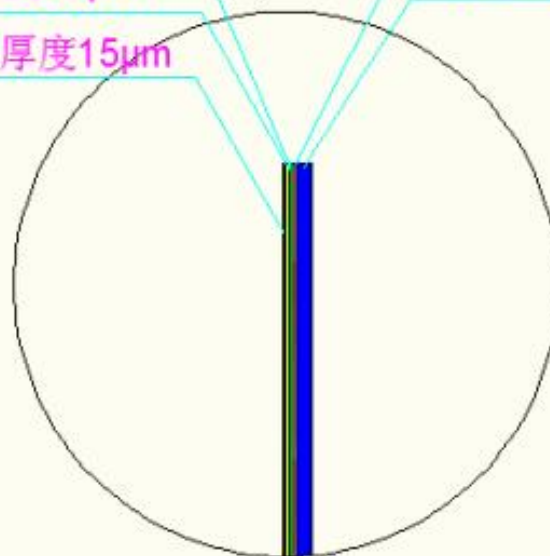
绿色: PI基材, 厚度 $25\mu\text{m}$

红色: 3M300胶, 厚度 $50\mu\text{m}$

黄色: 覆铜, 厚度 $35\mu\text{m}$

蓝色: 离型纸, 厚度 $100\mu\text{m}$

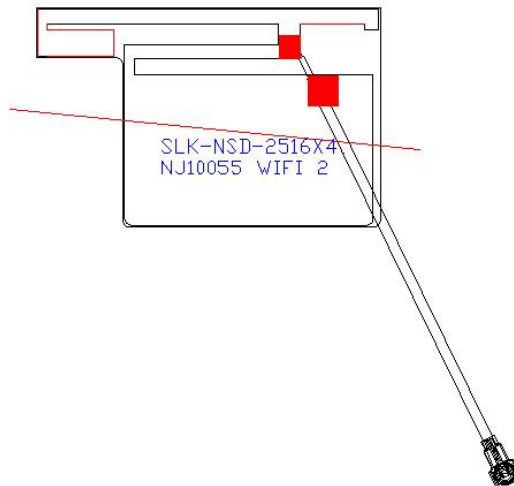
紫红色: 黑油, 厚度 $15\mu\text{m}$



详细A 5/1

WIFI 2

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 475mm, 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

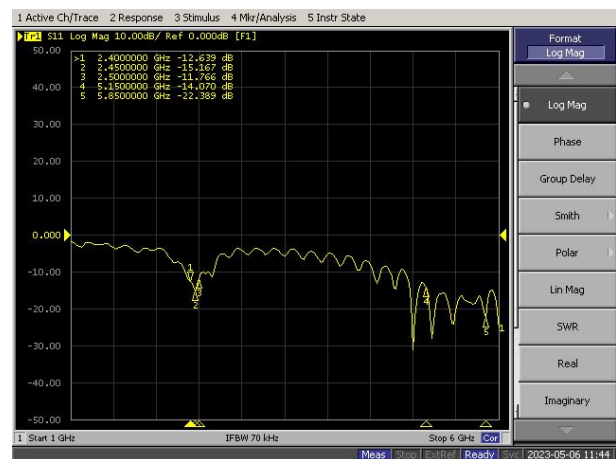
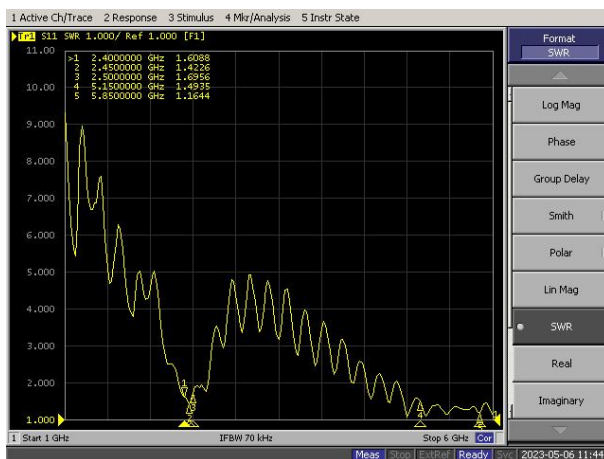
5-1

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

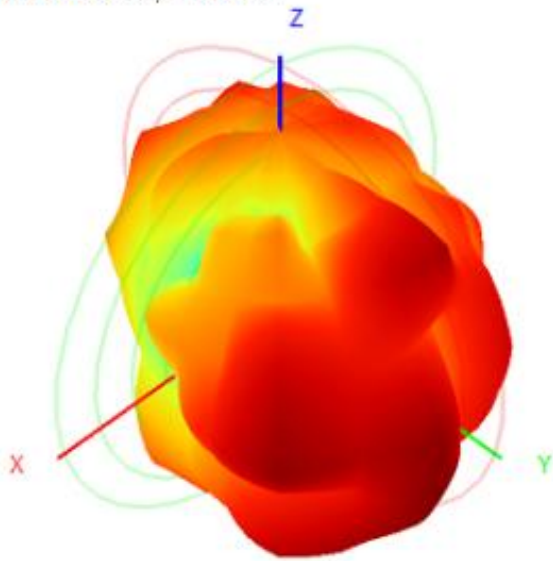
S11



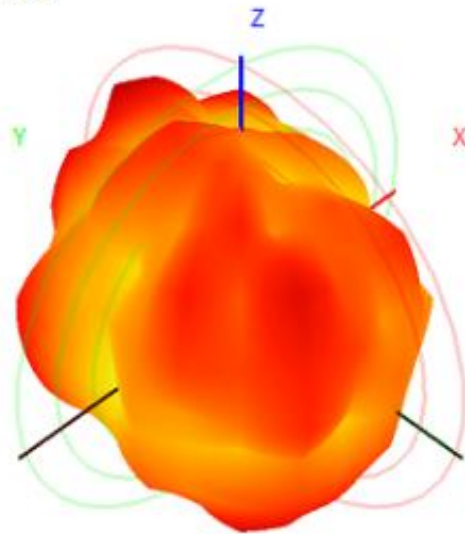
5-3.WIFI +BT Antenna Gain/Efficiency/Radiation Pattern of 3D

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)	-3.80	-3.74	-3.79	-3.62	-3.69	-3.82	-4.02	-3.98	-3.75	-3.74	-3.86	-3.89	-3.49	-3.49	-3.60	-3.85
Gain (dBi)	1.22	1.30	1.39	1.75	1.81	2.26	2.14	2.32	2.38	2.21	2.00	0.29	2.50	2.56	2.85	1.65
Efficiency (%)	41.59	42.25	41.76	43.44	42.68	41.47	39.61	39.94	42.11	42.22	41.08	40.74	44.68	44.74	43.59	41.14

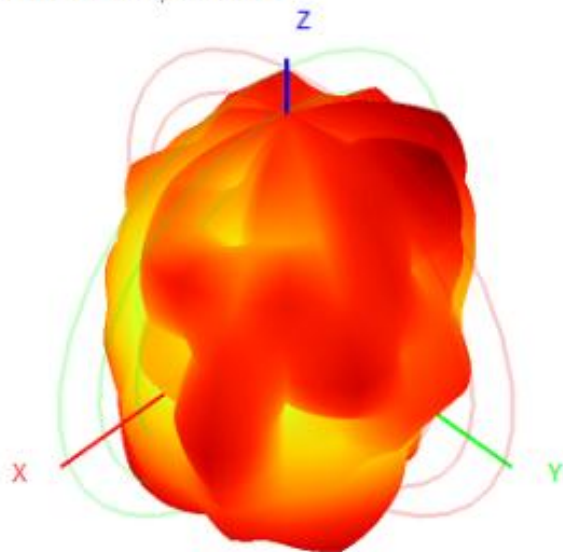
2450.0MHz H+V, Eff: 41.5%



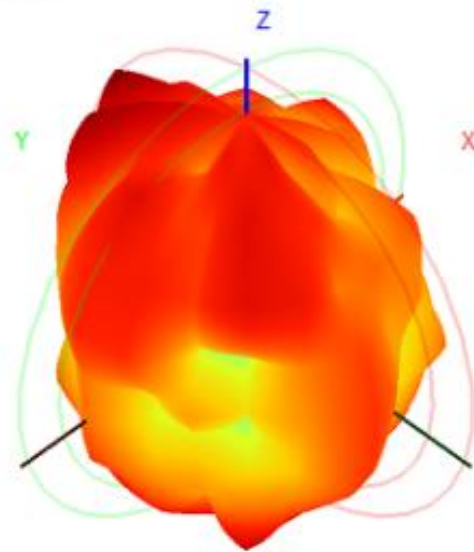
Back View



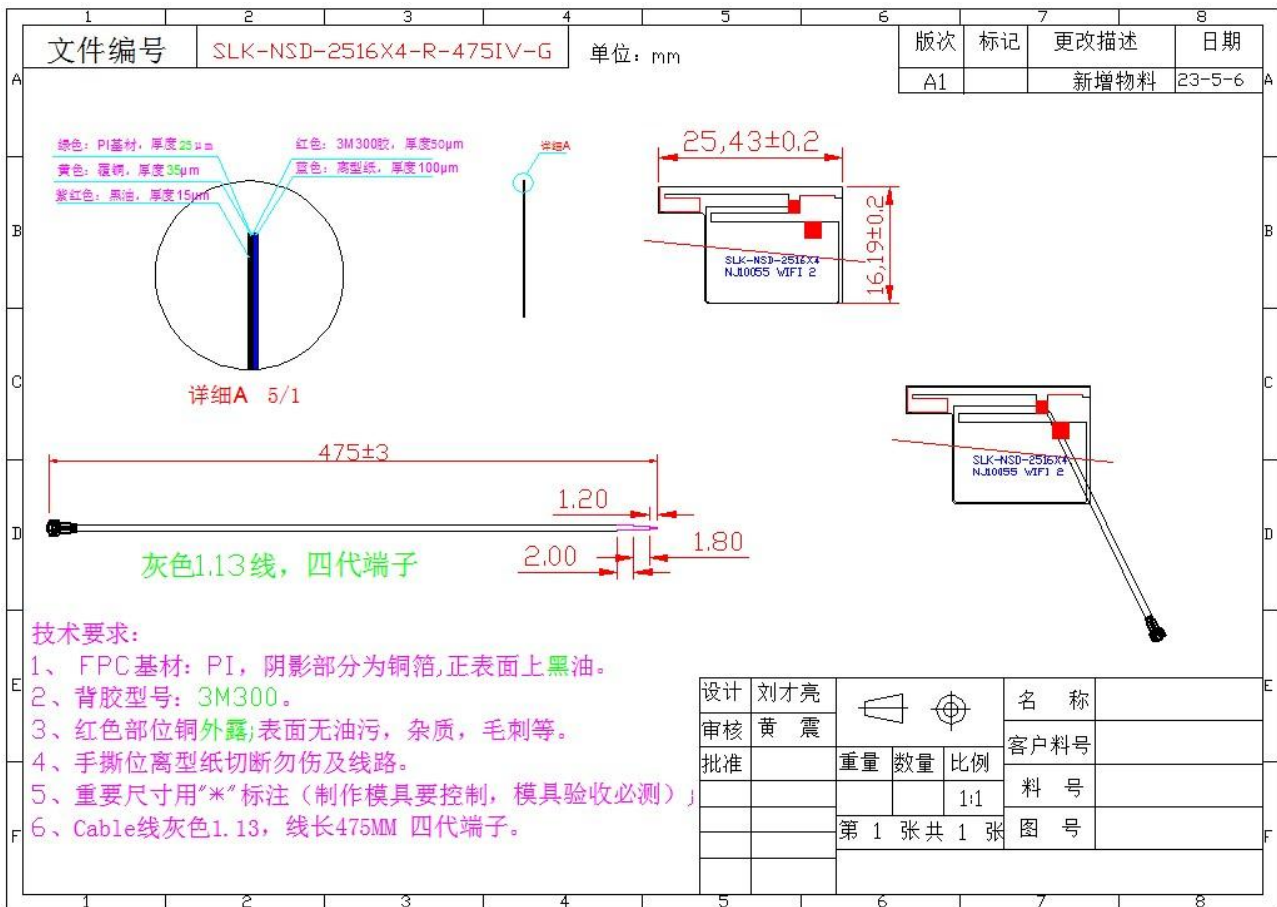
5850.0MHz H+V, Eff: 41.1%



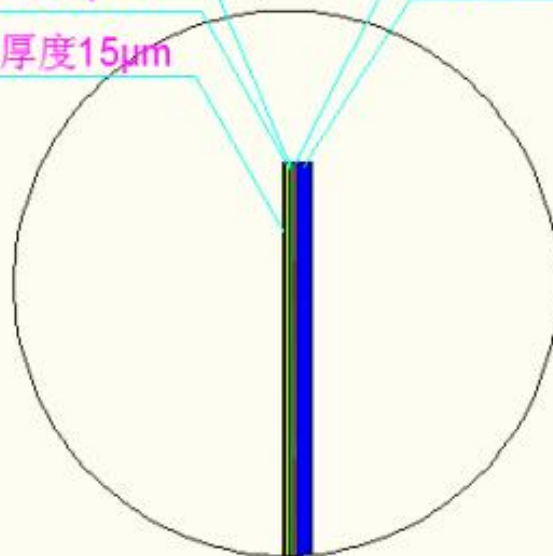
Back View



6. Antenna Dimensions (unit: mm)

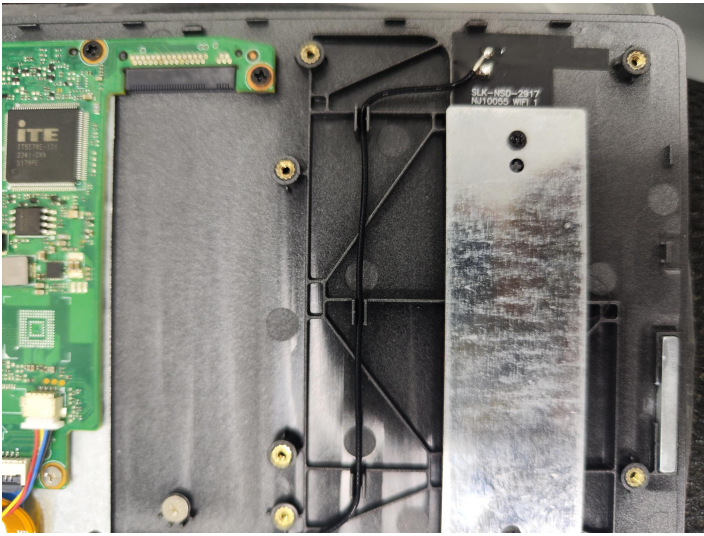


绿色: PI基材, 厚度25 μm
 黄色: 覆铜, 厚度35 μm
 紫红色: 黑油, 厚度15 μm
 红色: 3M300胶, 厚度50 μm
 蓝色: 离型纸, 厚度100 μm



详细A 5/1

7. Antenna Picture



WIF 2

WIF 1