

Shenzhen Yishengbang Technology Co., LTD

Sample acceptance letter

SPECIFICATION FOR APPROVAL

Company name (to be filled in by customer): Shenzhen Nasda Industry and Trade Co., LTD

Material code (filled in by customer): NJ10206

Gauge type number (filled in by customer): _____

Acceptance date (for customer): _____

Name of supplier (SLK): Shenzhen Yishengbang Technology Co., LTD

For quotient gauge type number (fill in SLK): WIFI+GPS:SLK-NSD-4419-R-170111-B

Acknowledge the signature

Acceptance by supplier (SLK field)

Shenzhen Nasda Industry and Trade
Co., LTD

engineer

audit

approval

engineer

audit

approval

Chen Shilian

Huangzhne

Lin Meicai

Seal and sign

Seal and sign

day

2023-3-30

day

written instructions or comments: ☐ take in

☐ conditional acceptance

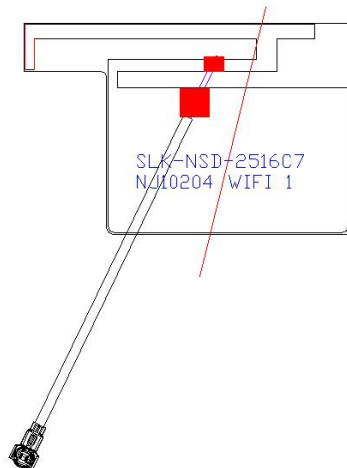
Remarks (filled by customer) :

Supplier :Shenzhen Yishengbang Technology Co., LTD Supplier Address:
Workshop 2 / F, No. 5 Yinyuan Street, Jiaoyitang, Tangxia Town, Dongguan
City

Telephone: 0769-82553115 Real: 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280mm, 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

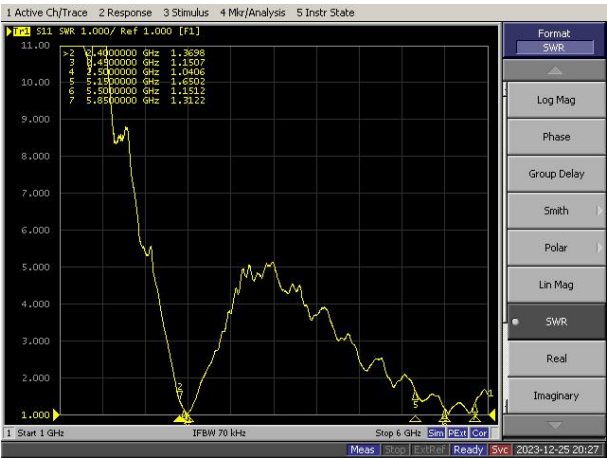
5-1

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

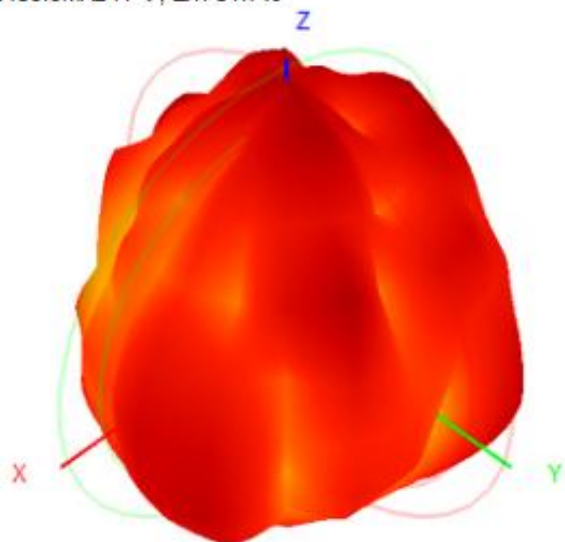
S11



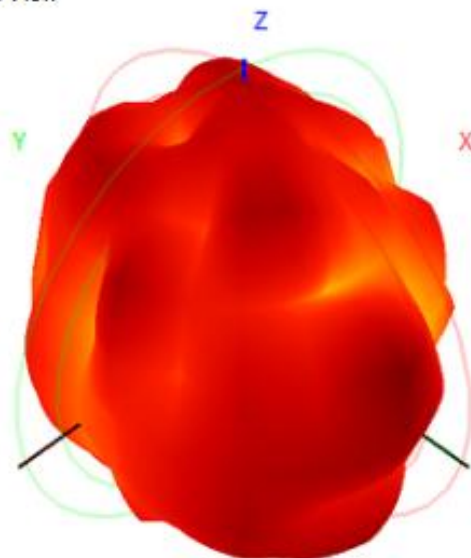
5-3.WIFI +BT Antenna Gain/Efficiency/Radiation Pattern of 3D

Frequency (MHz)	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500	5150	5350	5500	5650	5850
Efficiency (dBi)	-2.89	-2.70	-2.74	-2.51	-2.81	-2.86	-2.64	-2.98	-2.83	-2.92	-3.19	-3.34	-3.42	-3.26	-3.13	-2.80
Gain (dBi)	1.99	2.18	2.16	2.26	2.09	2.02	1.88	1.57	1.50	1.48	1.41	2.81	2.92	2.09	2.20	2.78
Efficiency (%)	51.33	53.61	53.16	56.04	52.28	51.71	54.36	50.32	52.09	50.97	47.97	46.37	45.52	47.16	48.69	52.54

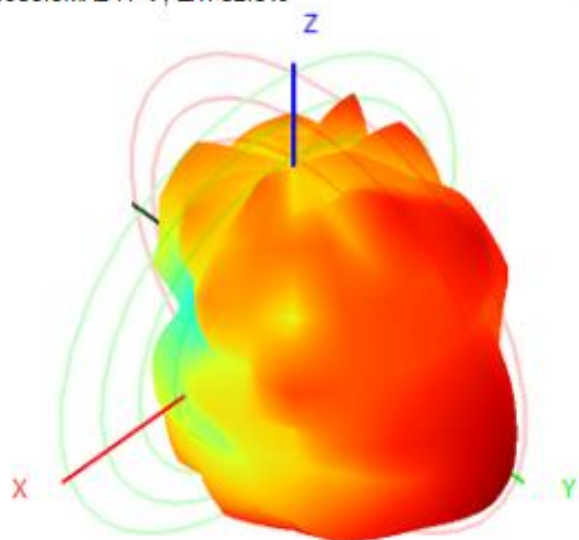
2450.0MHz H+V, Eff: 51.7%



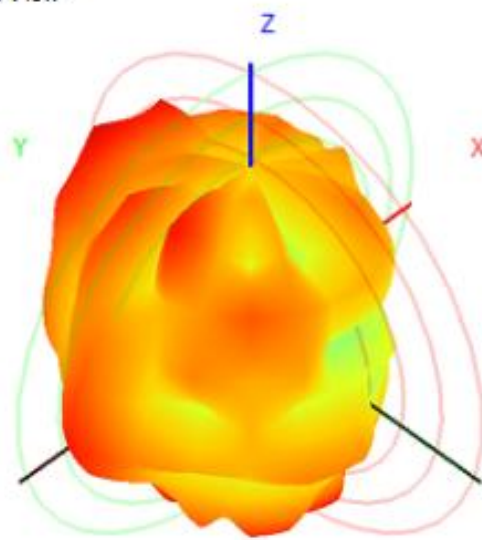
Back View



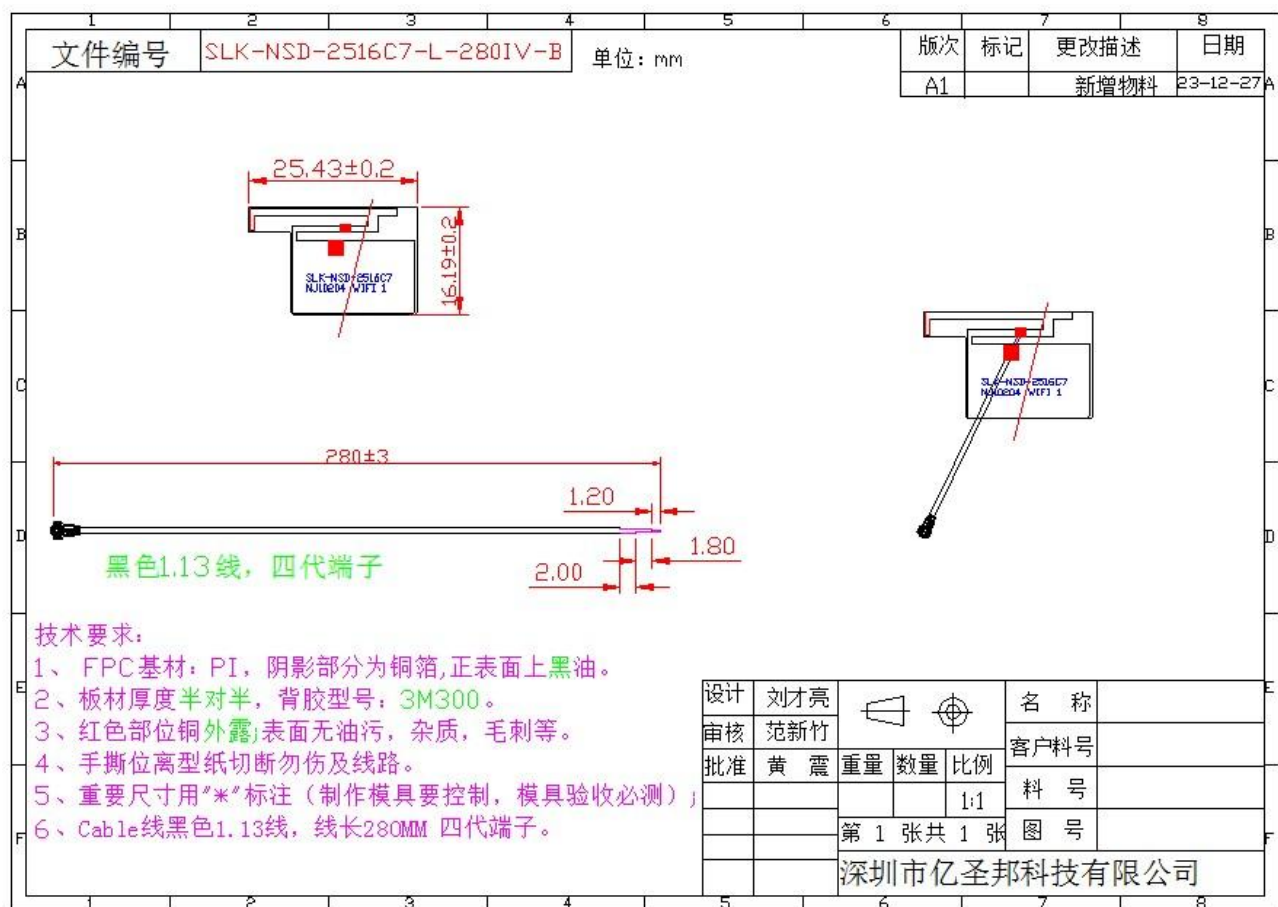
5850.0MHz H+V, Eff: 52.5%



Back View



6. Antenna Dimensions (unit: mm)



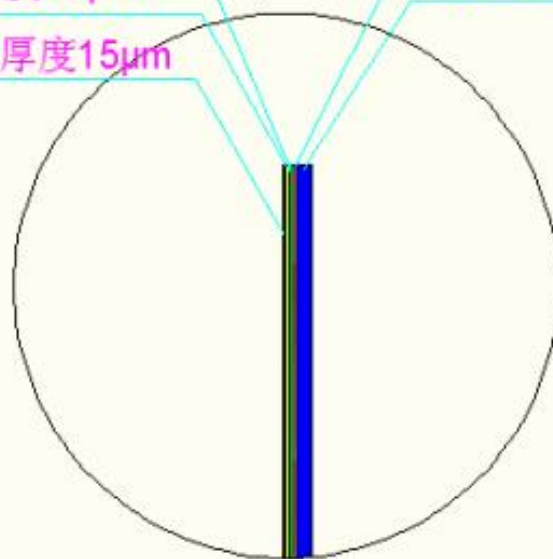
绿色: PI基材, 厚度 $25 \mu\text{m}$

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 $50 \mu\text{m}$

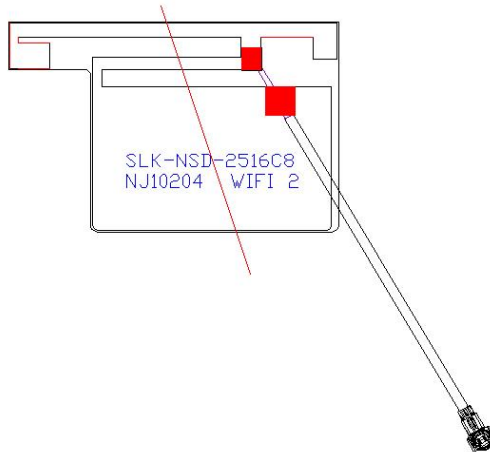
蓝色: 离型纸, 厚度 $100 \mu\text{m}$



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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 370mm, 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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5. Electrical Specifications

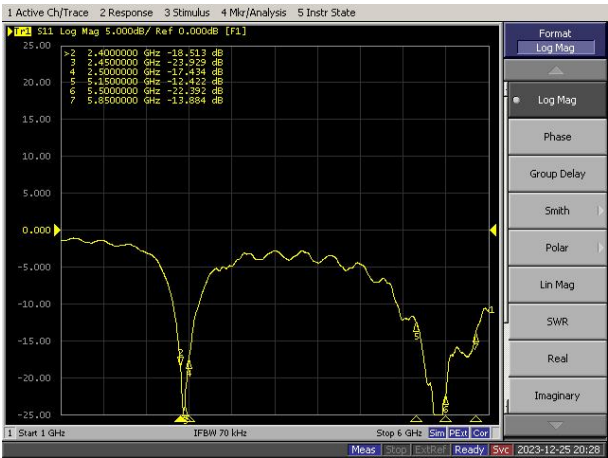
5-1

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

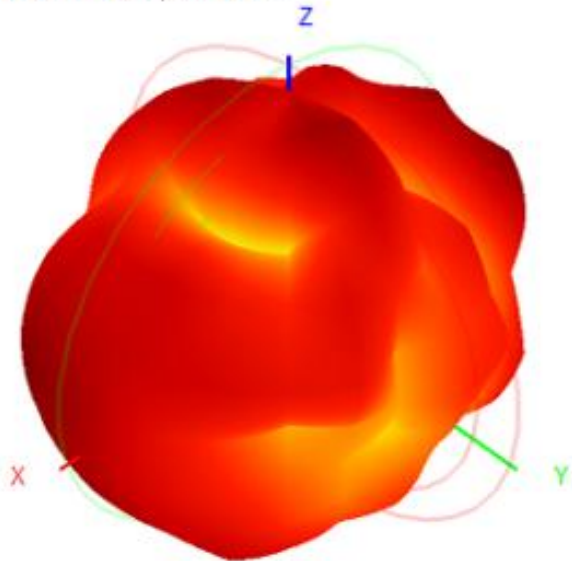
S11



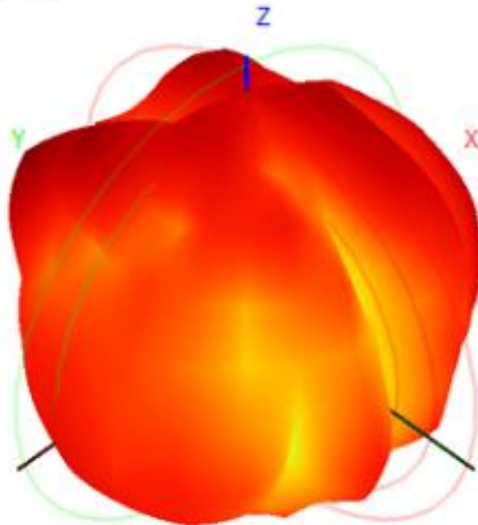
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Efficiency (dBi)	-3.32	-3.10	-3.20	-3.03	-3.42	-3.44	-3.12	-3.55	-3.43	-3.53	-3.81	-3.30	-3.46	-3.48	-3.65	-3.15
Gain (dBi)	2.47	2.66	2.55	2.62	2.24	2.11	2.28	2.13	2.23	2.20	2.15	2.48	2.70	2.21	2.78	2.74
Efficiency (%)	46.55	48.87	47.76	49.73	45.39	45.25	48.67	44.06	45.34	44.35	41.57	46.69	45.04	44.85	43.08	48.34

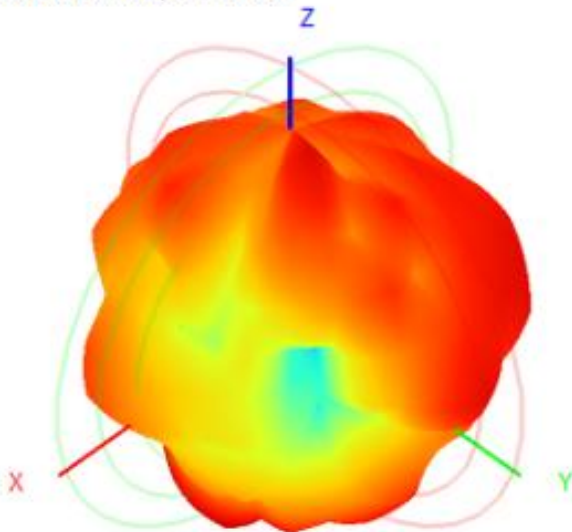
2450.0MHz H+V, Eff: 45.2%



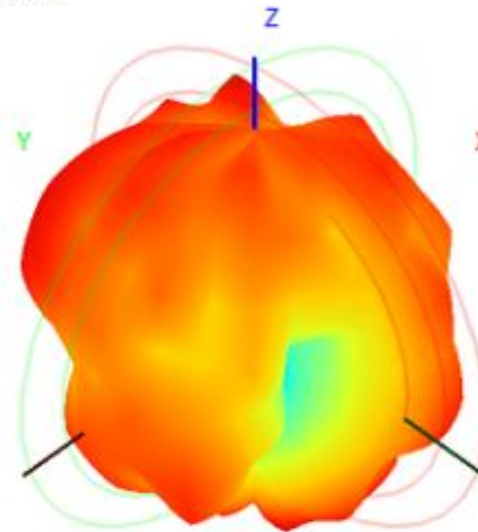
Back View



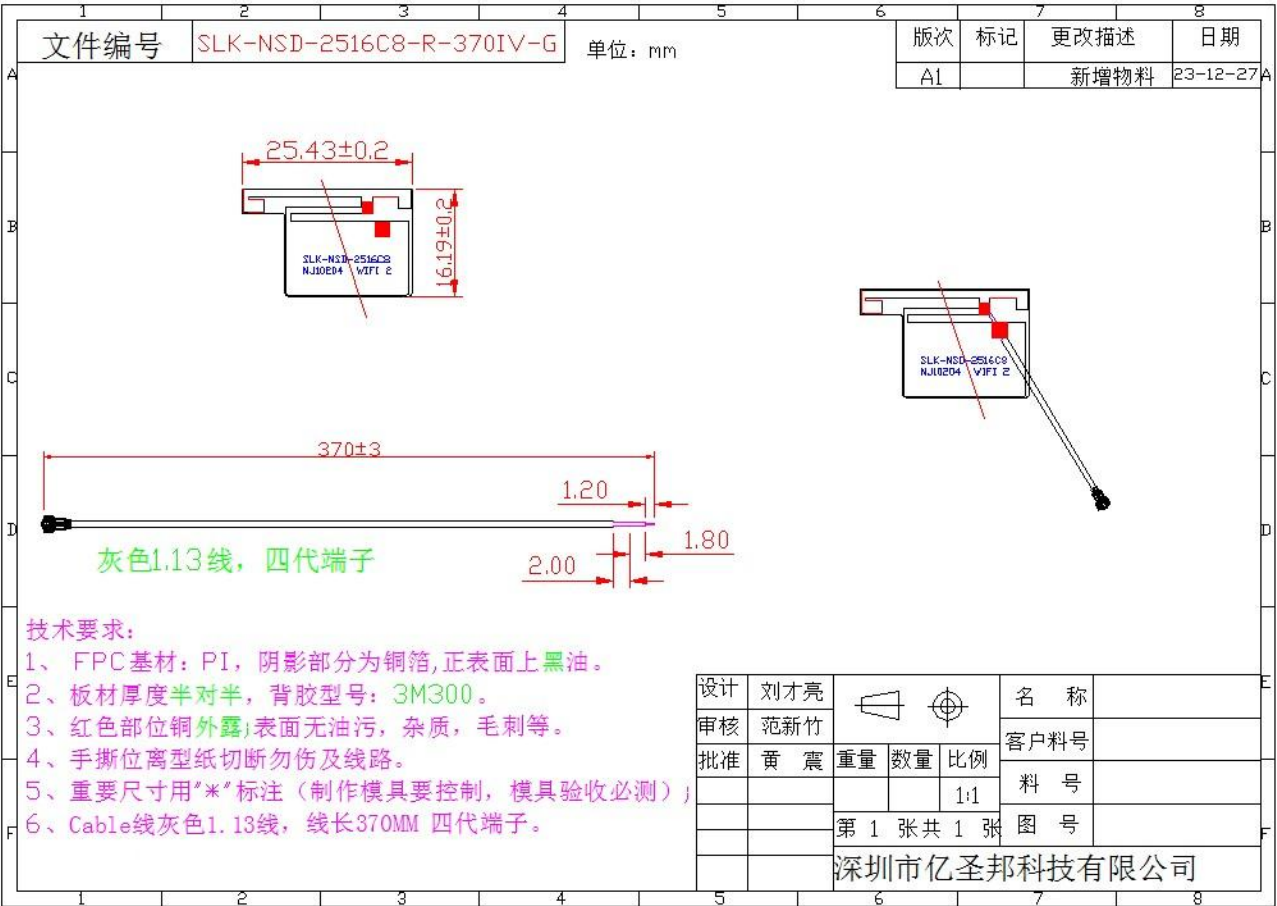
5850.0MHz H+V, Eff: 48.3%



Back View



6. Antenna Dimensions (unit: mm)



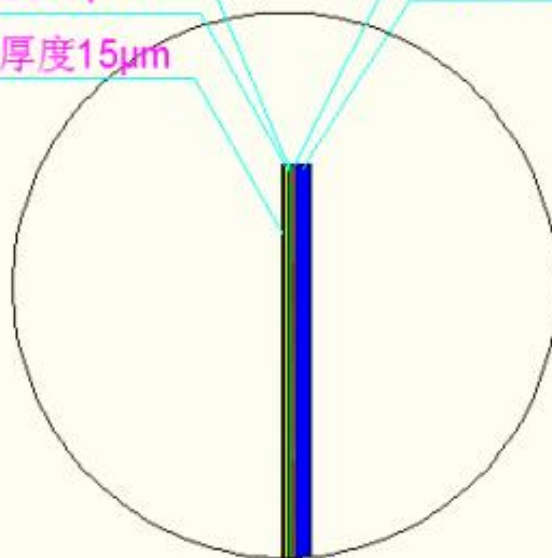
绿色: PI基材, 厚度 $25\mu\text{m}$

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 $100\mu\text{m}$



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7. Antenna Picture

