Shenzhen Yishengbang Technology Co., Ltd.

Name of supplier (fill in SLK): Shenzhen Yishengbang Technology Co., Ltd.

Supplier Specification Model (fill in SLK): WIFIAUX: SLK-YLD-2516H-R-300IV-G

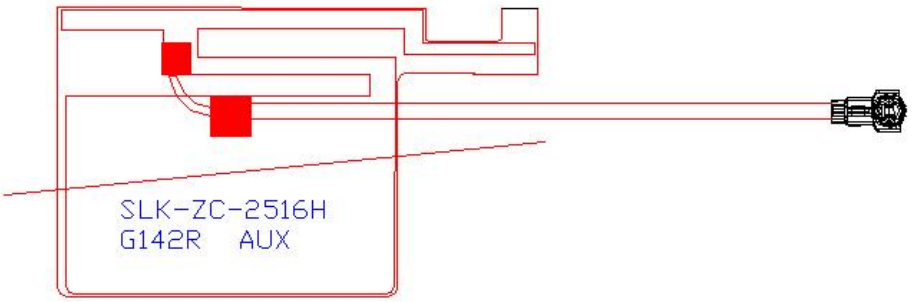
Supplier Name: Shenzhen Yishengbang Technology Co., Ltd.
Supplier Address: 2nd Floor, Workshop No. 5, Yinyuan Street, Jiaoyitang, Tangxia Town, Dongguan City
Tel: 0755-294300882 Fax: 0755-29163512

WIFIAUX Antenna (2516H)

1. Explanation of Product number:

S L K - Y L D - 2 5 1 6 H - R - 3 0 0 I V - G

1 2 3 4 5



Product Code:

(1) Customer:

YLD:SHENZHEN ELECTRON TECHNOLOGY CO.,LTD.

(2) Project:

2516H: SLK-YLD-2516H (WIFIAUX antenna)

(3) Welding Position

R: Right

(4) Cable Length:

300IV: 300*1.13MM fourth generation terminal

(5)Cable Color

G: Gray

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

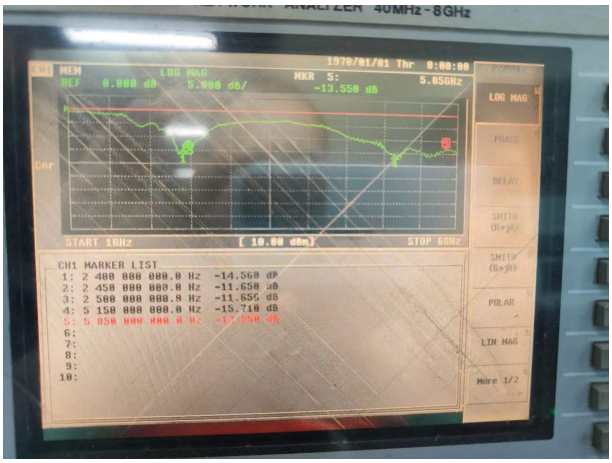
5-1

Characteristics	Specifications	Unit
Outline Dimensions	**26.95x 16.19x 0.12**	**mm**
Center Frequency	**2.4-2.5-5.15-5.85**	**GHz**
Bandwidth(under-10dB return loss)	**130min**	**MHz**
VSWR	**3max**	

5-2.

VSWR

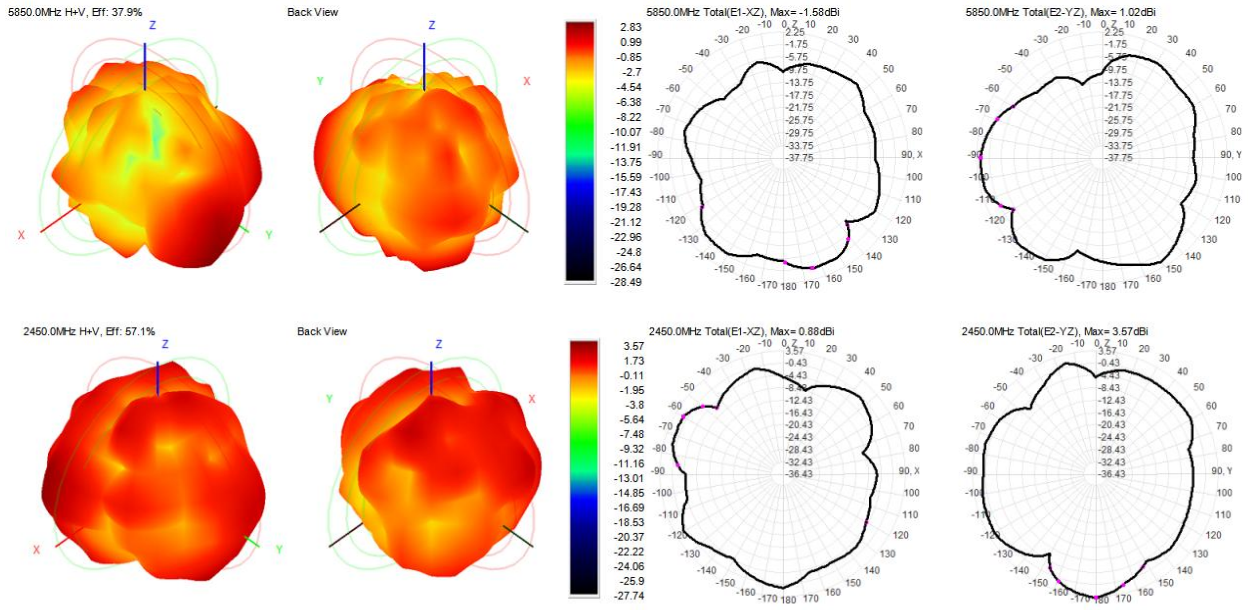
S11



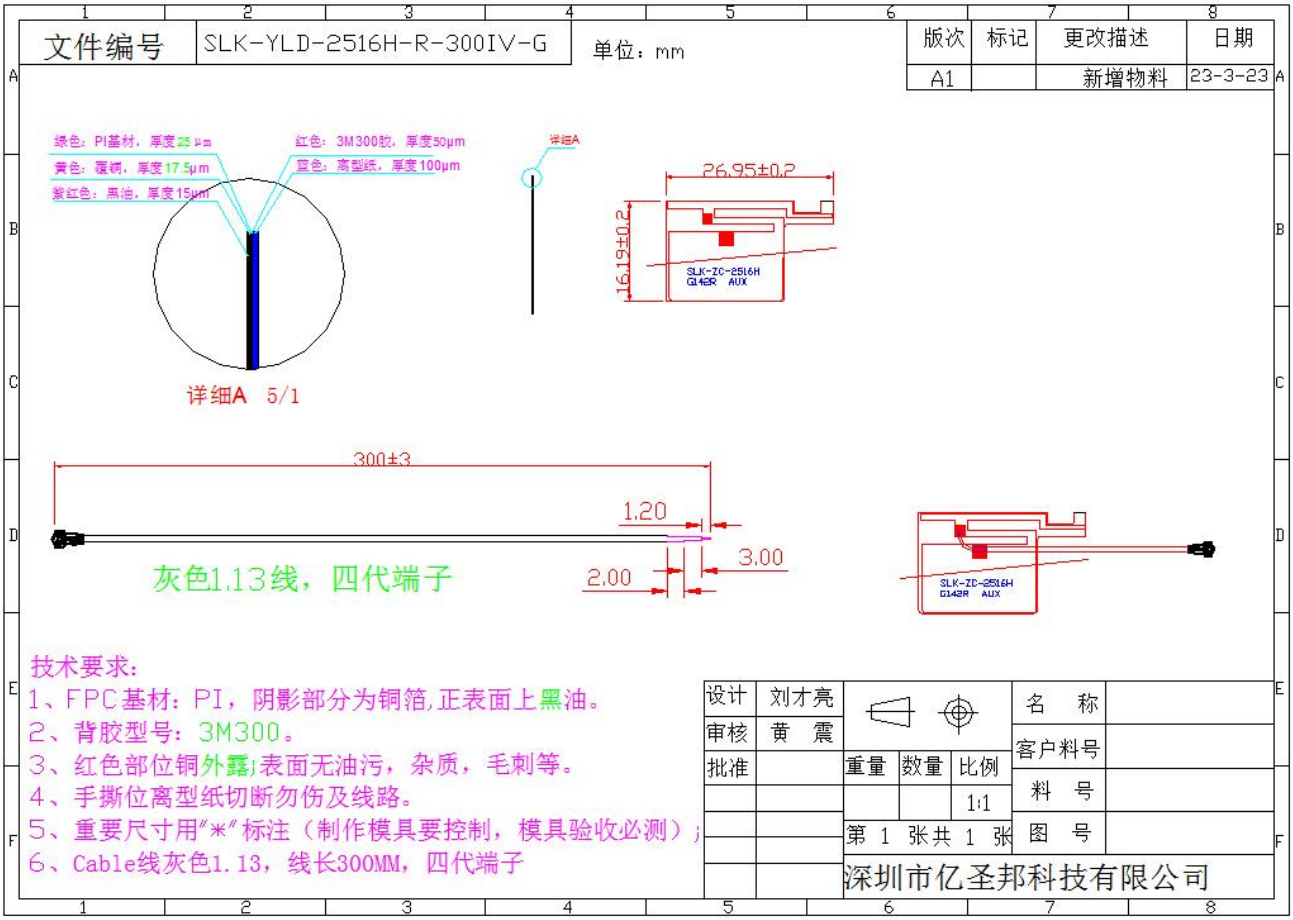
5-3.WIFI +BT Antenna Gain/Efficiency/Radiation Pattern of 3D

Frequency (MHz)	Efficiency (dBi)	Gain (dBi)	Efficiency (%)
2400.0	-2.29	3.22	59.00
2410.0	-2.19	3.21	60.35
2420.0	-2.35	3.18	58.23
2430.0	-2.08	3.47	61.99
2440.0	-2.27	3.33	59.23
2450.0	-2.44	3.57	57.07
2460.0	-2.54	3.34	55.78
2470.0	-2.88	2.80	51.47
2480.0	-2.87	2.55	51.66
2490.0	-2.79	2.35	52.55
2500.0	-3.08	1.50	49.24
5150.0	-4.01	2.72	39.72
5350.0	-4.16	2.94	38.38
5550.0	-4.43	2.25	36.07
5750.0	-4.11	2.47	38.80
5820.0	-4.21	2.83	37.89

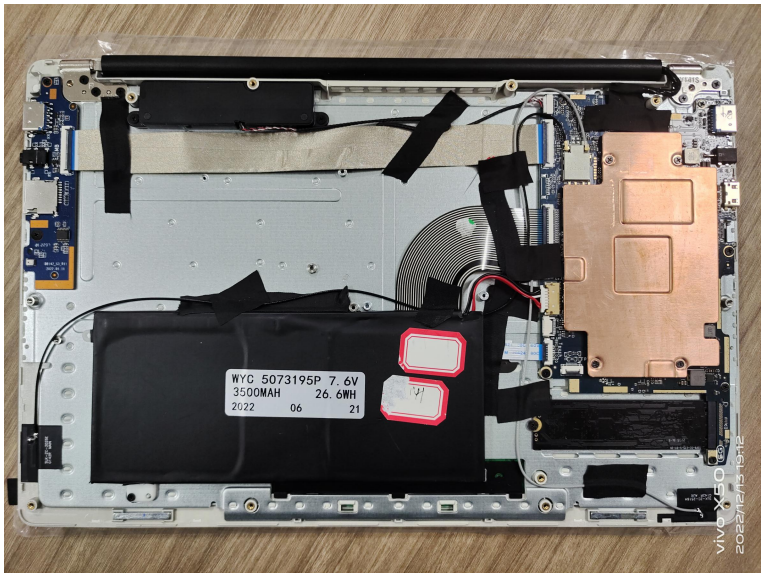
WIFI 有源测试			
频段	1	6	11
B-TRP-11MBps	13.11	13.52	13.04
B-TIS-11MBps	-78.69	-78.52	-79.13
G-TRP-54MBps	11.12	12.34	11.65
G-TIS-54MBps	-66.18	-67.05	-66.49
N-TRP-MCS7	11.25	12.58	11.67
N-TIS-MCS7	-63.21	-63.18	-63.45
频段	36	149	165
A-TRP-54MBps	11.34	12.22	11.62
A-TIS-54MBps	-66.18	-66.02	-65.79

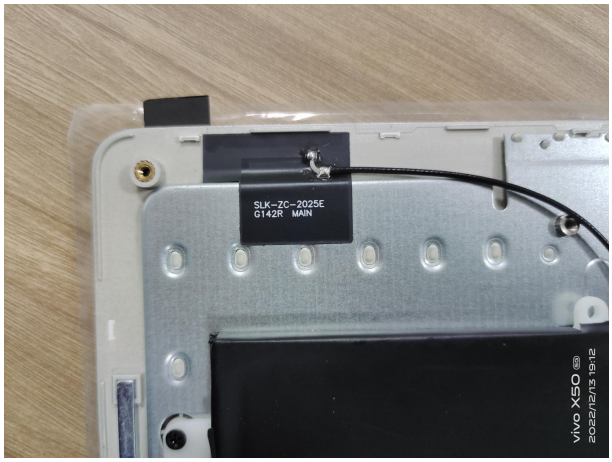


6. Antenna Dimensions (unit: mm)

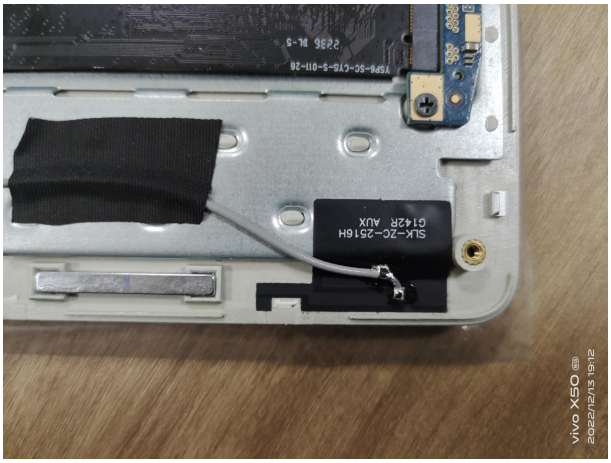


7. Antenna Picture





WIFI main antenna



WIFI diversity antenna