

Shenzhen Yi Sheng Bang technology Co., LTD

SPECIFICATION FOR APPROVAL

Company name (filled in by customer) : Dongguan Epda Technology Co., LTD

Material code (fill in by customer) : _____

Gaugetypenumber (filled in by customer) : N1469POWB

Acceptance date (for customer) : _____

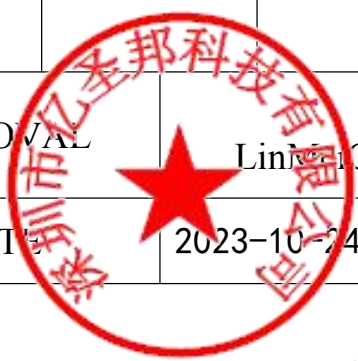
Supplier Name : Shenzhen Yishengbang Technology Co., LTD

Specification: WIFI1:SLK-APD-2516A1-R-270IV-B

WIFI2:SLK-APD-2516A2-R-400IV-G

APPROVAL SIGNATURE

COMPANY Name			Dongguan Epda Technology Co., LTD		
ENGINEER	QUALITY	ME	ENGINEER	CHECK	APPROVAL
Chenshilian	Chenjiexing	Liucailiang			
APPROVAL	Linwei Cai		SIGNATURE		
DATE	2023-10-24		DATE		
REMARK :					



Supplier name: Shenzhen Yishengbang Technology Co., LTD

Supplier Address: 2nd Floor, No. 5, Yinyuan Street, Jiaoyitang, Tangxia Town, Dongguan City

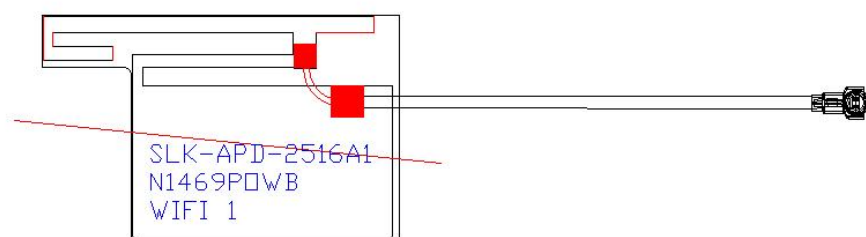
Tel: 0769-82553115 Real: 0769-82553116

WIFI 1 Antenna (2516A1)

1. Explanation of Product number :

S L K - A P D - 2 5 1 6 A 1 - R - 2 7 0 I V - B

1 2 3 4 5



Product Code:

(1) Customer:

APD: 艾普达

(2) Project:

2516A1: SLK-2516A1(WIFI 1 antenna)

(3) Welding Position

R:Right

(4) Cable Length:

270IV: 270*0.81MM四代端子

(5)Cable Color

B:Black

2. Features

*Stable and reliable in performances

*Compact size

*RoHS compliance

3. Applications

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

4. Description

Holy bond's FPC antenna series are specially designed for WIFI (802.11 a/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.

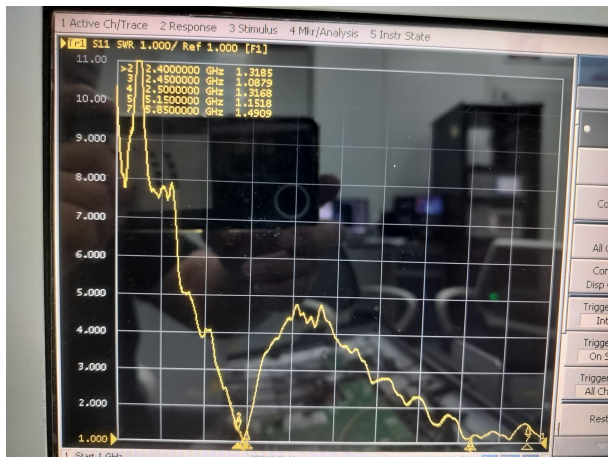
5. Electrical Specifications

5-1

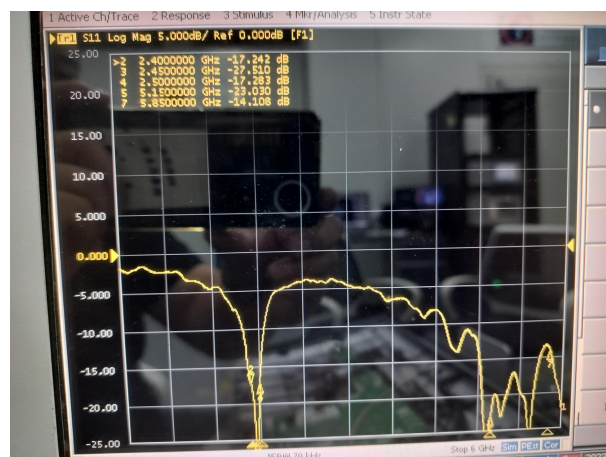
Characteristics	Specifications	Unit
Outline Dimensions	25.43x16.19x 0.12	mm
Center Frequency	2.4-2.5-5.15-5.85	GHz
Bandwidth(under-10dB return loss)	130min	MHz
VSWR	3max	

5-2.

VSWR

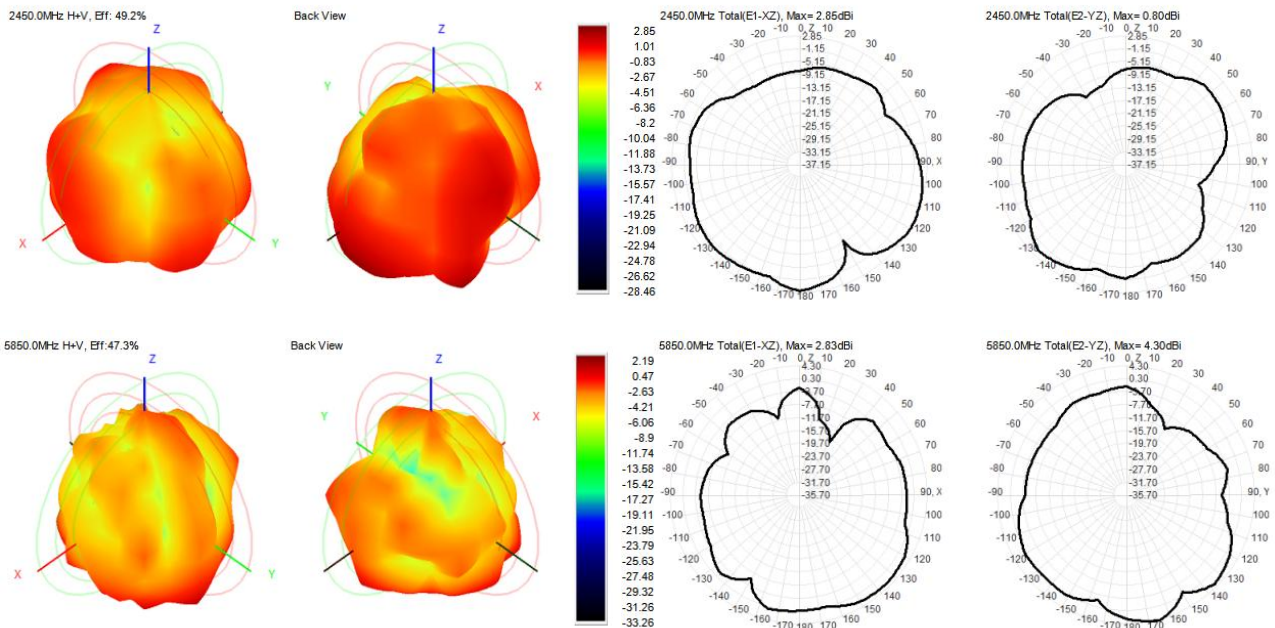


S11

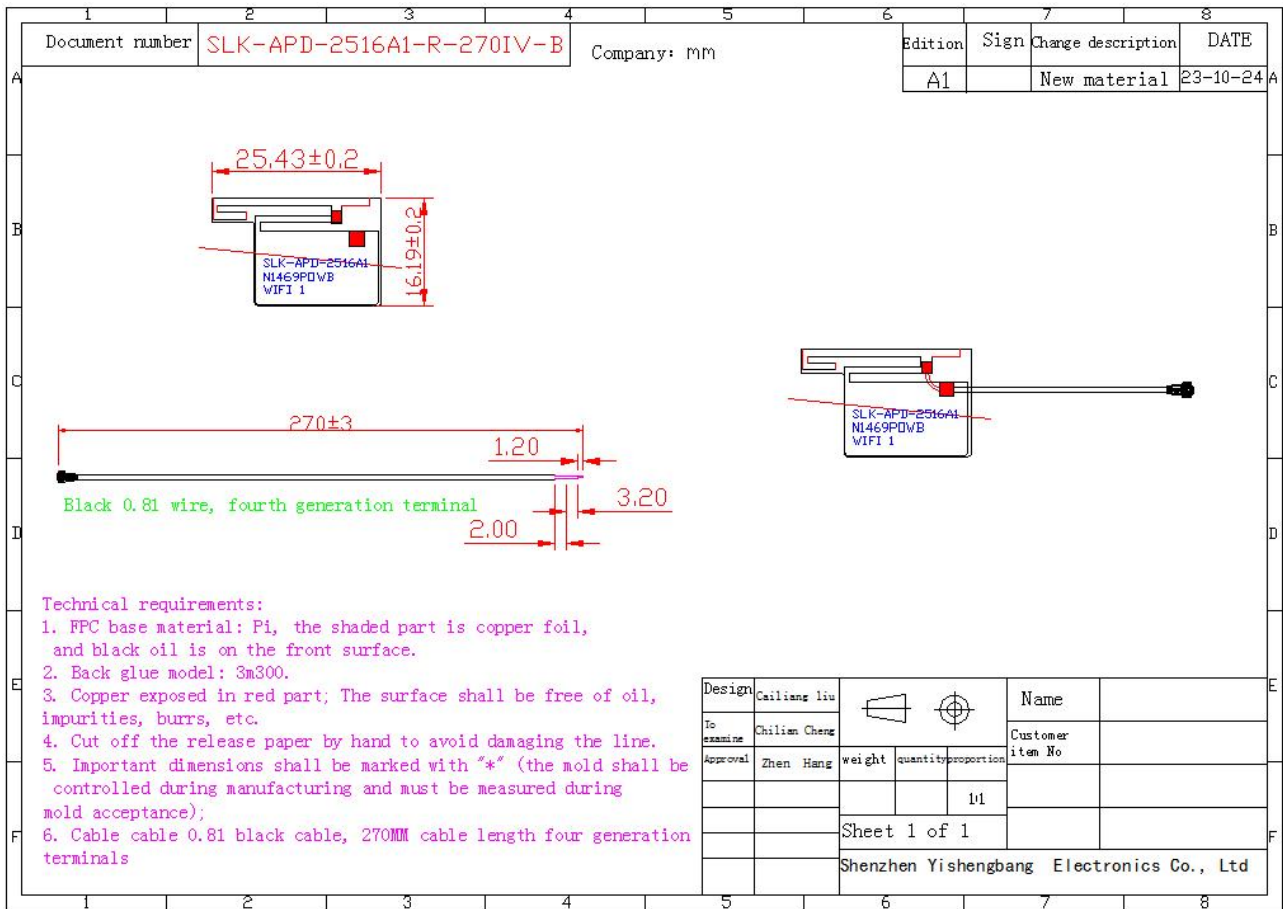


5-3.WIFI Antenna Gain/Efficiency/Radiation Pattern of 3D

Frequency (MHz)	Efficiency (dBi)	Gain (dBi)	Efficiency (%)
2400.0	-3.54	2.74	44.25
2410.0	-3.23	2.48	47.53
2420.0	-3.18	2.48	48.07
2430.0	-2.90	2.81	51.29
2440.0	-3.13	2.85	48.59
2450.0	-3.08	2.85	49.22
2460.0	-2.83	3.22	52.14
2470.0	-3.15	2.72	48.44
2480.0	-3.08	3.07	49.22
2490.0	-3.12	3.12	48.75
2500.0	-3.33	2.69	46.48
5150.0	-3.27	2.82	47.15
5350.0	-3.04	2.32	49.69
5550.0	-3.09	2.27	49.11
5750.0	-3.27	2.66	47.05
5850.0	-3.25	2.19	47.32



6. Antenna Dimensions (unit: mm)



WIFIAUX Antenna (2516A2)

1.Explanation of Product number :

S L K - A P D - 2 5 1 6 A 2 - R - 4 0 0 I V - G

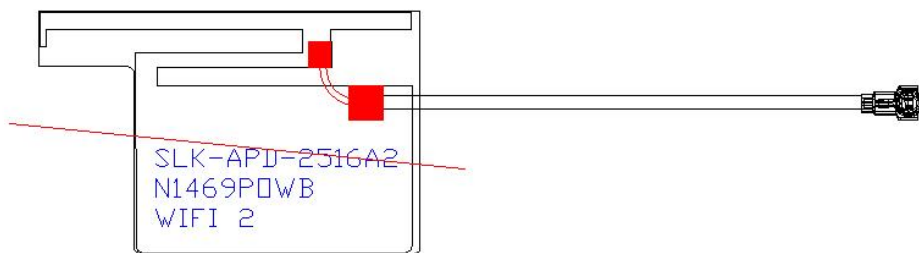
1

2

3

4

5



Product Code:

(1) Customer:

APD: 艾普达

(2) Project:

2516A2: SLK-2516A2(WIFIAUX antenna)

(3) Welding Position

R:Right

(4) Cable Length:

400IV: 400*0.81MM四代端子

(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 (802.11 a/b/g/n) functions are needed

4. Description

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

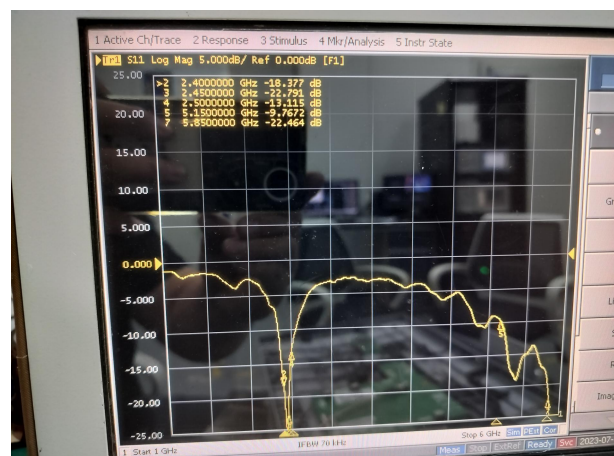
Characteristics	Specifications	Unit
Outline Dimensions	25.43x16.19x 0.12	mm
Center Frequency	2.4-2.5-5.15-5.85	GHz
Bandwidth(under-10dB return loss)	130min	MHz
VSWR	3max	

5-2.

VSWR

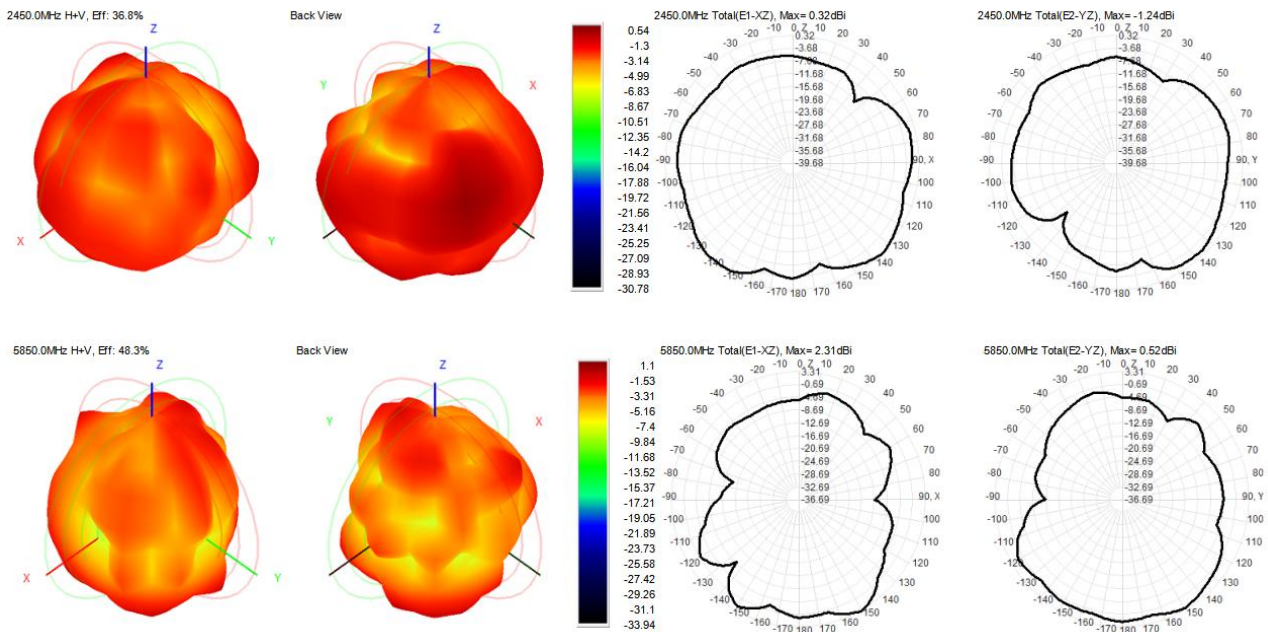


S11



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

Frequency (MHz)	Efficiency (dBi)	Gain (dBi)	Efficiency (%)
2400.0	-4.40	0.59	36.34
2410.0	-4.25	1.04	37.56
2420.0	-4.34	0.97	36.79
2430.0	-4.12	1.27	38.74
2440.0	-4.27	0.75	37.45
2450.0	-4.34	0.54	36.79
2460.0	-3.98	0.83	39.97
2470.0	-4.33	0.16	36.86
2480.0	-4.26	0.12	37.47
2490.0	-4.29	0.18	37.20
2500.0	-4.22	0.26	37.83
5150.0	-3.65	1.51	43.14
5350.0	-3.24	1.80	47.45
5550.0	-3.38	1.73	45.96
5750.0	-3.34	1.24	46.65
5850.0	-3.16	1.10	48.30



6. Antenna Dimensions (unit: mm)

Document number	SLK-APD-2516A2-R-400IV-G	Company: MM	Edition	Sign	Change description	DATE
			A1		New material	23-10-24

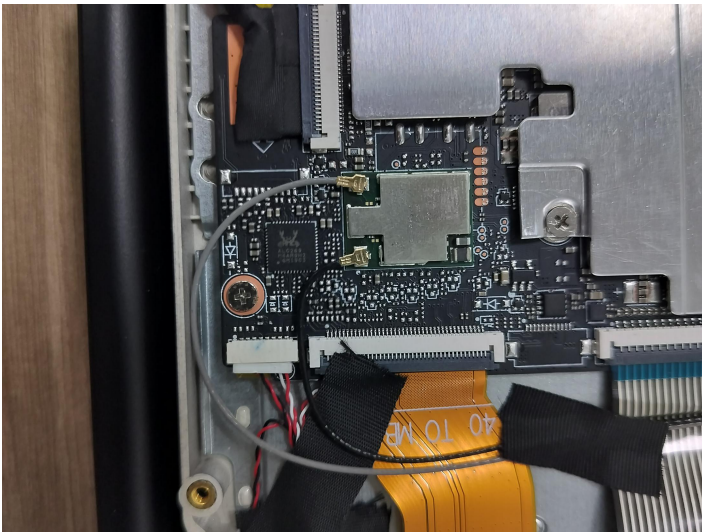
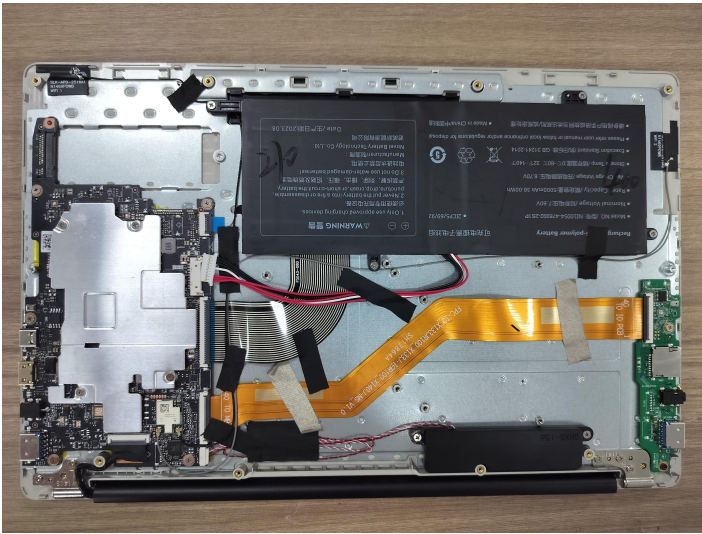
Gray 0.81 wire, fourth generation terminal

Technical requirements:

1. FPC base material: Pi, the shaded part is copper foil, and black oil is on the front surface.
2. Back glue model: 3M300.
3. Copper exposed in red part; The surface shall be free of oil, impurities, burrs, etc.
4. Cut off the release paper by hand to avoid damaging the line.
5. Important dimensions shall be marked with "*" (the mold shall be controlled during manufacturing and must be measured during mold acceptance);
6. Cable cable 0.81 Gray cable, 400MM cable length four generation terminals

Design	Cailiang liu			Name	
To examine	Chilian Cheng			Customer item No	
Approval	Zhen Hang	weight	quantity	proportion	
				1:1	
		Sheet 1 of 1			
Shenzhen Yishengbang Electronics Co., Ltd					

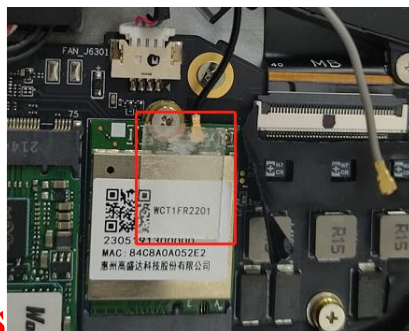
7. Antenna Picture

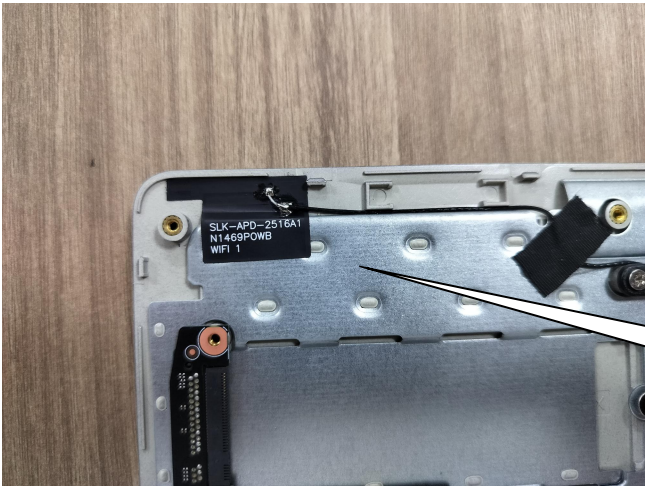


Suggestion:

The WIFI module seat is pasted with transparent pet crimp terminals to prevent the problem of warping antenna

terminals





antenna0



antenna1