

Shenzhen Yishengbang Technology Co., LTD
Sample acceptance letter
SPECIFICATION FOR APPROVAL

The name of the company: Sichuan Ailian Technology Co., LTD

Antenna Gain: BT/2.4GHz WIFI: 2.96dBi; 5GHz WIFI: U-NII-1: 3.09dBi, U-NII-2A: 3.78dBi, U-NII-2C: 3.95dBi, U-NII-3: 4.12dBi

Antenna Type: FPC Antenna

The name of the supplier/Manufacturer: Shenzhen Yishengbang Technology Co., LTD

ANT Model: SLK-AL-3212G1-R-100IV-B

Admit signature					
For acceptance by the contractor			Sichuan Ailian Technology Co., LTD		
The engineer	The reviewer	approved	The engineer	The reviewer	approved
Shi Lian Chen	Zen Huang	Meicai lin			
Signed and sealed			Signed and sealed		
date	2024-1-31		date		
instructions: ☐ accept ☐ Conditional acceptance					
note:					

The name of the supplier: Shenzhen Yishengbang Technology Co., LTD

Supplier address: 101, Building C, Shenzhen Qianwan Hard Technology Industrial Park, Bao 'an District, Shenzhen

telephone: 18025305599

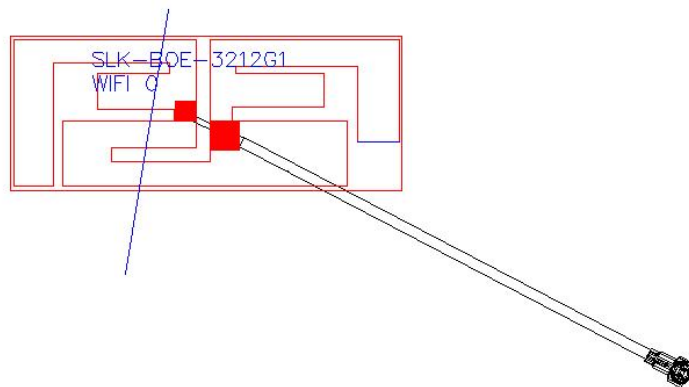
telephone: 18666299104

BT/WIFI Antenna (3212G1)

1. Explanation of Product number :

S L K - A L - 3 2 1 2 G 1 - R - 1 0 0 I V - B

1 2 3 4 5



Product Code:

(1) Customer:

AL: Ailian

(2) Project:

3212G1: SLK-AL-3212G1 (BT/WIFI antenna)

(3) Welding Position

R:Right

(4) Cable Length:

100IV: 100*1.13MM fourth generation terminals

(5) Cable Color

B: Black

2. Features

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

3. Applications

- * IEEE852.11 (b/g/n/a)/BT
- * Hand-held devices when BT/WIFI (852.11b/g/n/a) functions are needed

4. Description

Holy bond’s FPC antenna series are specially designed for WIFI (852.11b/g/n/a)/BT 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

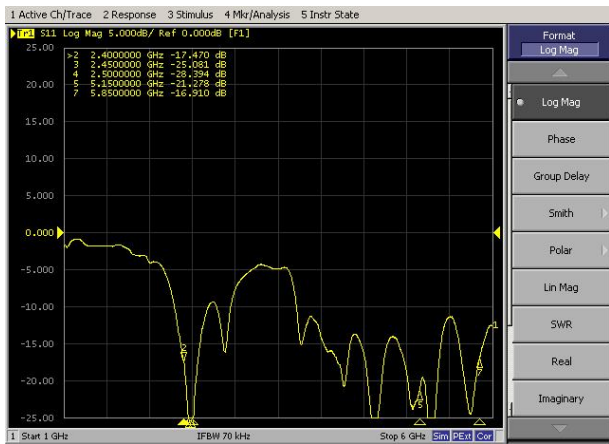
Characteristics	Specifications	Unit
Outline Dimensions	32.29x12.68x 0.12	mm
Center Frequency	2.4-2.5/5.15-5.85	GHz
Bandwidth(under-10dB return loss)	130min	MHz
VSWR	2max	
Impedance	50	Ω
Polarization	Linear Polarization	

5-2.

VSWR

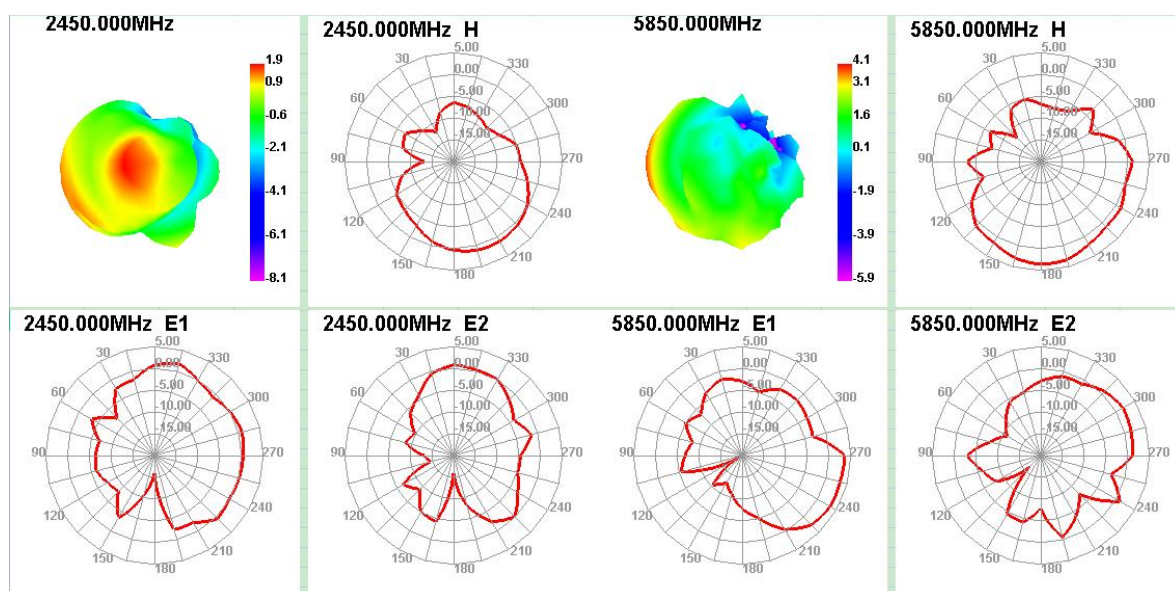


S11



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

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	57.49	-2.4	2.96
2410	49.78	-3.03	1.91
2420	57.61	-2.4	2.36
2430	47.59	-3.23	1.49
2440	53.61	-2.71	1.95
2450	51.54	-2.88	1.89
2460	52.67	-2.78	1.91
2470	50.02	-3.01	1.76
2480	50.91	-2.93	1.86
2490	47.16	-3.26	1.39
2500	54.13	-2.67	1.88
5150	54.03	-2.67	3.09
5350	57.56	-2.4	3.78
5500	59.33	-2.27	3.95
5750	56.96	-2.44	3.91
5850	58.94	-2.3	4.12



6. Antenna Dimensions (unit: mm)

