

# Sample Acceptance Specification

## PART SHEET FOR APPROVAL

Customer Name	Shenzhen Kejinming Electronics Co., Ltd
Customer Part No	
Customer Description	
Supplier Name	Shenzhen Yishengbang Technology Co., Ltd
Supplier Model	SLK-KJM-2813H-M-200I-B
Approval date	2025-01-13

### Supplier confirmation

Made By	Engineer	Approver
Fan xin zhu	Huang zhen	Lin mei cai

### KJM confirmation

Approval Reason	<input type="checkbox"/> New materials <input type="checkbox"/> Alternative materials		
Made By	Engineer		Approver
	R&D	Quality	Sales

The admission letter requires:

1. Number of acknowledgement letters: Three copies (each acknowledgement letter matches an independent sample, which needs to be labeled with a sample label);
2. Requirements for the content of the acknowledgement letter: cover/drawing (indicating tolerances)/product specifications/test report/SGS inspection report/certification report;
3. Details: Fragile items are protected by packaging/optical components are coated with film/dust prevention considerations are required for bulk material delivery;

**Supplier Name: Shenzhen Yishengbang Technology Co., Ltd**

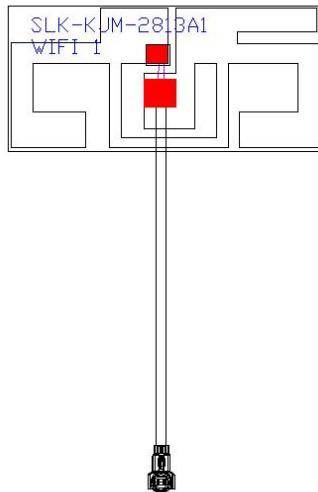
**Supplier Address: 101, Building C, Qianwan Hard Technology Industrial Park, Nanchang Community, Xixiang Street, Bao'an District, Shenzhen**

**Phone: 18666299104 Fax: 0769-82553116**

**Shenzhen Yishengbang Technology Co., Ltd**

# WIFI

## 1. Explanation of Product number :



Product Code:

- (1) Customer:Ke Jinming
- (2) Antenna Name:WIFI Antenna
- (3) Connector:1.13 Black wire, total length 200mm, 1st generation terminal

## 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	28.14x13.12x0.12	mm
Center Frequency	2.4-2.5+5.15-5.85	GHz
Bandwidth(under-10dB return loss)	130min	MHz
VSWR	3max	

### 5-2.

VSWR

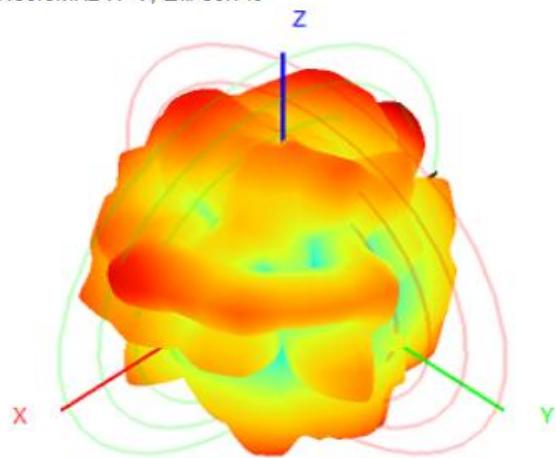
S11



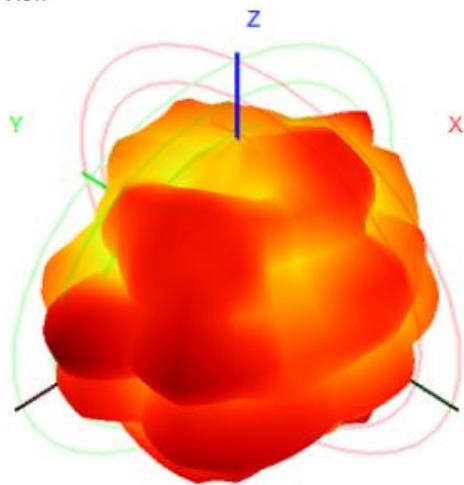
### 5-3.WIFI +BT Antenna Gain/Efficiency/Radiation Pattern of 3D

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)	-2.78	-2.72	-2.77	-2.74	-2.82	-2.95	-2.96	-2.98	-2.98	-2.94	-2.91	-2.91	-2.77	-2.65	-2.93	-2.68
Gain (dBi)	2.10	2.19	2.11	2.47	2.78	2.79	2.69	2.56	2.39	2.22	2.17	2.43	2.25	2.24	2.13	2.21
Efficiency (%)	52.66	53.41	52.81	53.10	52.23	50.69	50.51	50.30	50.34	50.78	51.09	51.09	52.76	54.28	50.84	53.87

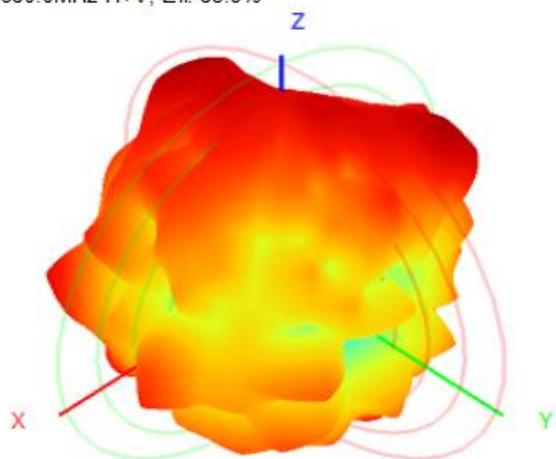
2450.0MHz H+V, Eff. 50.7%



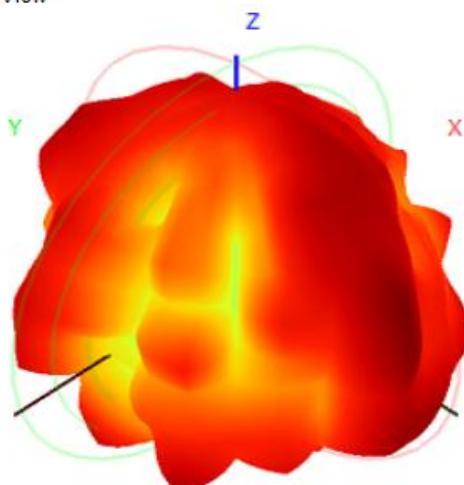
Back View



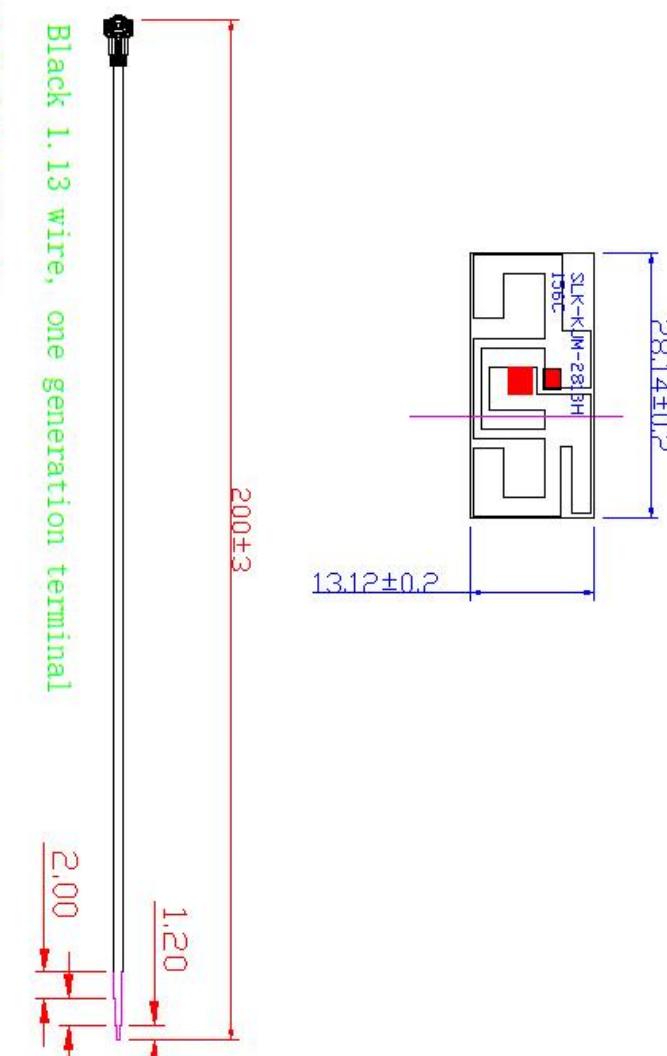
5850.0MHz H+V, Eff. 53.9%



Back View



## 6. Antenna Dimensions (unit: mm)

1	2	3	4	5	6	7	8
Document number	SLK-KJM-2813H-M-2001-B	Company:	ym	Edition	Sign	Change description	DATE
A				A1		New material	25-5-8
B							
							
C							
D							
E							
Technical requirements:							
1. FPC base material: PI, the shaded part is copper foil, and black oil is on the front surface.							
2. Sheet thickness 1 half, 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 wire Black 1.13, wire length 200mm, one generations of terminal							
1	2	3	4	5	6	7	8

## 7. SGS Report

(天线) 有害物质检测报告及MSDS报告清单表																				
序号	部品名称	均质材料名称	有害物质含量 (单位: ppm)												检测机构简称	检测报告编号	生效日期	RoHS报告附件	MSDS	备注
			Pb	Cd	Hg	Cr <sup>6+</sup>	PBBS	PBDEs	DBP	BBP	DEHP	DIBP	C1	Br						
1	射频线	镀锡铜线	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	CTI	A2240182175102001	2024/4/7	<a href="#">SZXEC23001776704(SZP23-0124)</a>	<a href="#">镀锡铜线MSDS.pdf</a>	
		FEP	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA				<a href="#">FEP MSDS.pdf</a>		
2	IPEX端子	镍镀层	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	CTI	A2240410234101002E	2024/7/11	<a href="#">镍镀层.pdf</a>	<a href="#">镍镀层MSDS V1.4.pdf</a>	
3		金镀层	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	CTI	A2240410234101001E	2024/7/11	<a href="#">金镀层.pdf</a>	<a href="#">电镀金层MSDS V1.3.pdf</a>	
4		PBT	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	SGS	A2240126395101003E	2024/3/13	<a href="#">PBT环保报告.pdf</a>	<a href="#">PBT_BK MSDS.pdf</a>	
5	锡	无铅锡丝	31	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	SGS	SZXEC24000275504	2024/2/20	<a href="#">302402004本廠無鉛BHS20中文.pdf</a>	<a href="#">无铅锡丝MSDS.pdf</a>	
6	FPC	胶纸	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	SGS	SHAEC23021627703	2023/12/27	<a href="#">3M-9471LE (MSDS).pdf</a>	<a href="#">3M-9471LE (MSDS).pdf</a>	
7		油墨	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	SGS	A2240082622101001E	2024/2/21	<a href="#">KTM-300F KTM24240002</a>	<a href="#">KTM-300 FKM2 MSDS.pdf</a>	
8		铜材	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	SGS	SHAEC24028809006	2024/12/20	<a href="#">铜材环保报告中文.pdf</a>	<a href="#">铜材MSDS.pdf</a>	

## 8. Inspection report

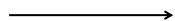
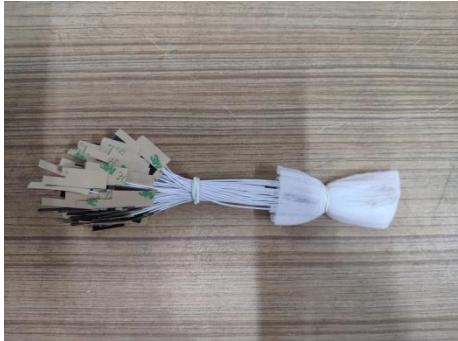
### 8-1 Key size inspection of samples

date: 2025-01-12

Customer Name	Shenzhen Kejinming Electronics Co., Ltd					
PRODUCT MODEL	SLK-KJM-2813H-M-200I-B					
Serial Number	appearance		size			
			VSWR	FPC length	FPC width	RF line length
1	OK	<2	28.14	13.12	200	
2	OK	<2	28.14	13.12	200	
3	OK	<2	28.14	13.12	200	
4	OK	<2	28.14	13.12	200	
5	OK	<2	28.14	13.12	200	
Note: The standing wave ratio of the antenna is less than 2, and the dimensional tolerance is in accordance with the drawing specifications.						

## 9.Packing (Example)

customer:	product:	colour:
Customer part number:	Our company's part number:	date: 2024.11.7



1. After conducting a full inspection of the appearance and performance of a single antenna according to the inspection manual, the quality department will wrap 50 pieces per bundle.

2. The production line packages 200PCS per bag.



4.Sealed and weighed, placed in the finished product warehouse, waiting for shipment.

3.According to the customer's label requirements, label and pack the goods。

Note: Inner packaging: 200PCS per pack

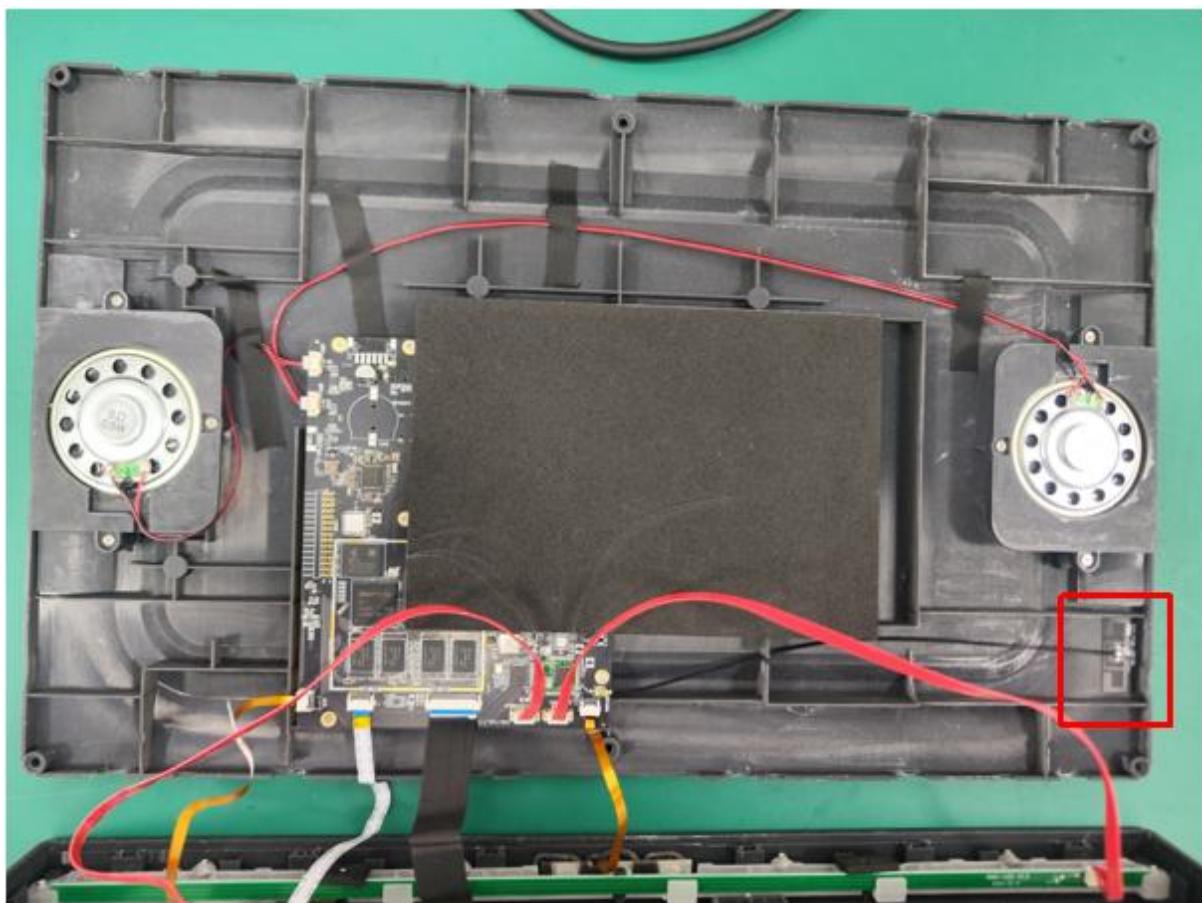
Outer packaging: cardboard box size 480X280X300mm, 10000PCS per box.

According to the actual order quantity, there may be differences in the size of the cardboard boxes.

Produce different inner and outer packaging labels according to different customers.

Engineering Department: Fan xin zhu	Quality department: Guo liang	approval: Huang zhen
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## 10. Antenna Picture



Shenzhen Yishengbang Technology Co., Ltd