

深圳市亿圣邦科技有限公司  
Shenzhen yishengbang technology co., ltd

样品承认书

SPECIFICATION FOR APPROVAL

Company Name (客户填写) : PMD (HK) TECHNOLOGY CO., LTD

Material Code (客户填写) : PMD-3212R-R-125-B

Approval Date (客户填写) : 2023-03-03

Supplier Name (SLK 填写) : 深圳市亿圣邦科技有限公司

Supplier model (SLK 填写) : Bluetooth/WIFI: SLK-PMD-3212R-R-125-B

承 认 签 章

供 应 商 承 认

深圳市亿圣邦科技有限公司

工 程 师

审 核

批 准

工 程 师

审 核

批 准

刘才亮

黄震

林美财

盖章签署

盖章签署

日 期

2023. 03. 03

日 期

批示: 接受 有条件接受

备注:

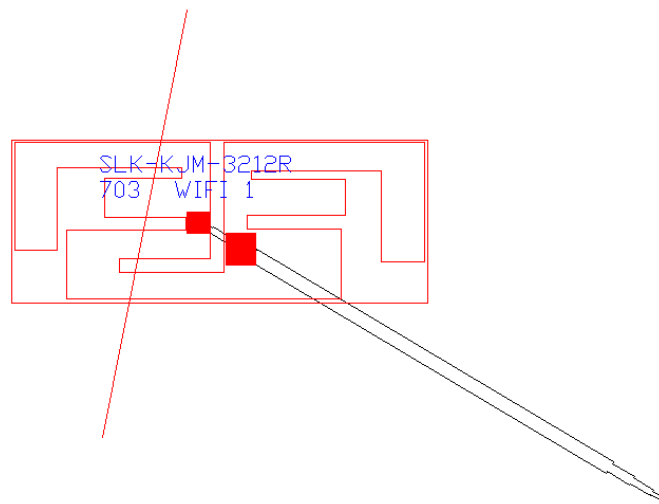
Shenzhen Yishengbang Technology Co., Ltd. is located in Building C, Shenzhen Qianwan Hard Technology Industrial Park, Nanchang Community, xixiang street, Baoan District, Shenzhen.

# Bluetooth / WIFI Antenna (3212R)

## 1. Explanation of Product number :

**S L K - P M D - 3 2 1 2 R - R - 1 2 5 - B**

**1                      2                      3                      4                      5**



Product Code:

(1) Customer:

PMD

(2) Project:

3212R: SLK-PMD-3212R (Bluetooth /WIFI antenna 2.4~2.5/5.15~5.85GHz)

(3) Welding Position

R: Right

(4) Cable Length:

125:125\*1.13MM

(5)Cable Color

B: Black

## 2. Features

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

## 3. Bluetooth Applications

- \*Bluetooth IEEE802.11 (b/g/n/a)

\* Hand-held devices when Bluetooth/WIFI (802.11b/g/n/a) functions are needed

## 4. Description

Holy bond's External antenna series are specially designed for Bluetooth/Wifi (802.11 b/g/n/a) applications. Based on Holy bond's proprietary design and processes, this External 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	3max	
Impedance	50	$\Omega$

### 5-2

VSWR



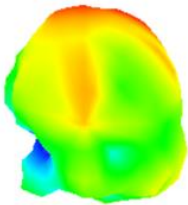
S11



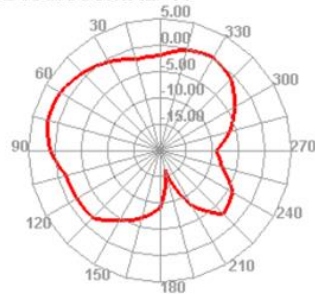
### 5-3. Bluetooth/ WIFI Antenna Gain/Efficiency/Radiation Pattern of 3D

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	54.27	-2.65	2.23
2410	52.74	-2.78	2.14
2420	56.05	-2.51	2.51
2430	47.63	-3.22	1.71
2440	52.56	-2.79	2.04
2450	52.14	-2.83	2.08
2460	57.12	-2.43	2.41
2470	46	-3.37	1.4
2480	54.66	-2.62	2.11
2490	45.39	-3.43	1.36
2500	54.42	-2.64	2.1
5150	46.94	-3.28	2.62
5350	47.22	-3.26	3.18
5550	47.71	-3.21	2.84
5750	47.35	-3.25	2.14
5850	54.29	-2.65	3.61

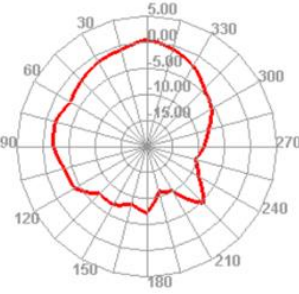
2450.000MHz



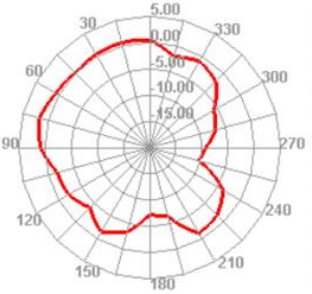
2450.000MHz H



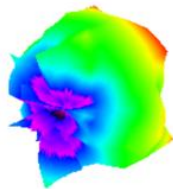
2450.000MHz E1



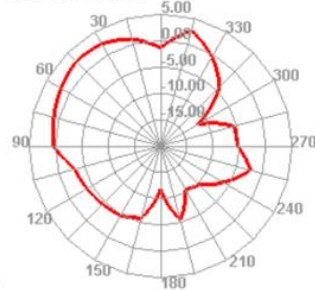
2450.000MHz E2



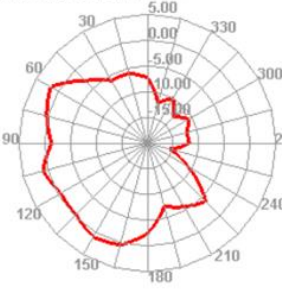
5850.000MHz



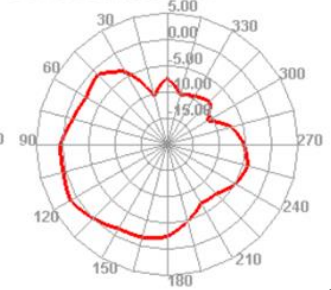
5850.000MHz H



5850.000MHz E1



5850.000MHz E2



## 6. Antenna Dimensions (unit: mm)

