

深圳市亿圣邦科技有限公司

样品承认书

SPECIFICATION FOR APPROVAL

公 司 名 称 (客户填写): 深圳市亿东科技股份有限公司

物 料 代 码 (客户填写):

规 格 型 号 (客户填写):

承 认 日 期 (客户填写):

供 应 商 名 称 (SLK 填写): 深圳市亿圣邦科技有限公司

供 应 商 规 格 型 号 (SLK 填写): WIFI:SLK-YD-3212-L-160I-B

承 认 签 章					
供 应 商 承 认			深圳亿东科技股份有限公司		
工 程 师	审 核	批 准	工 程 师	审 核	批 准
范新竹	黄震	林美财			
盖章签署			盖章签署		
日 期	2022-10-17		日 期		
批示: ☐ 接受 ☐ 有条件接受					
备注 (客户填写):					

Shenzhen Yishengbang Technology Co., Ltd
101, Building C, Qianwan Hard Technology Industrial Park,
Nanchang Community, Xixiang Street, Bao'an District, Shenzhen
电 话: 18666299104 传 真: 0769-82553116

深圳市亿圣邦科技有限公司

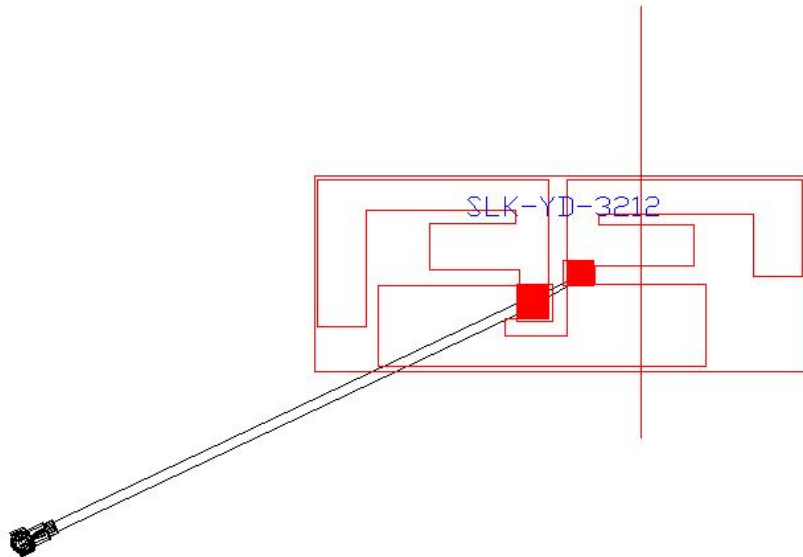
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WIFI Antenna (3212)

1. Explanation of Product number :

S L K - Y D - 3 2 1 2 - L - 1 6 0 I - B

1 2 3 4 5



Product Code:

(1) Customer:

YD: 亿东

(2) Project:

3212: SLK-YD-3212(WIFI antenna)

(3) Welding Position

L:Left

(4) Cable Length:

160IV:160*1.13MM 1代端子

(5)Cable Color

B: Black

2. Features

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

3. Applications

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

4. Description

Holy bond’s FPC antenna series are specially designed for WIFI (802.11b/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

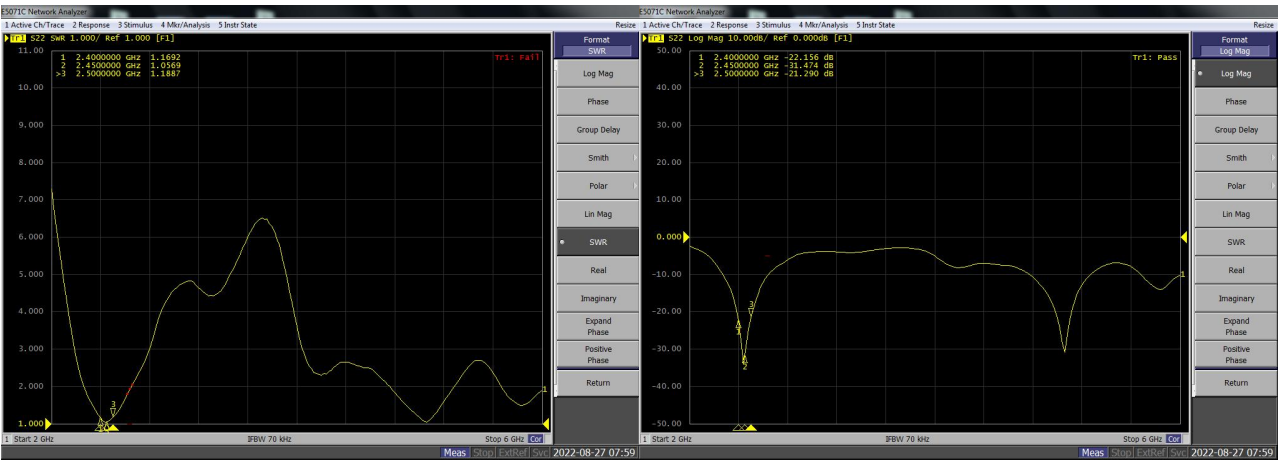
5-1

Characteristics	Specifications	Unit
Outline Dimensions	32.29x12.68x 0.12	mm
Center Frequency	2.4-2.5	GHz
Bandwidth(under-10dB return loss)	130min	MHz
VSWR	3max	

5-2.

VSWR

S11

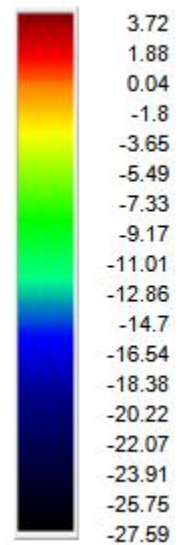
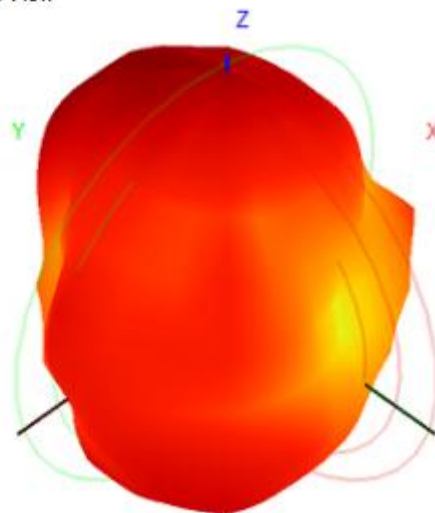
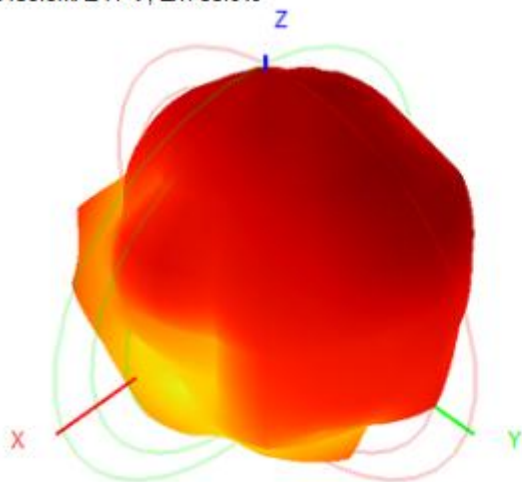


5-3.WIFI +BT Antenna Gain/Efficiency/Radiation Pattern of 3D

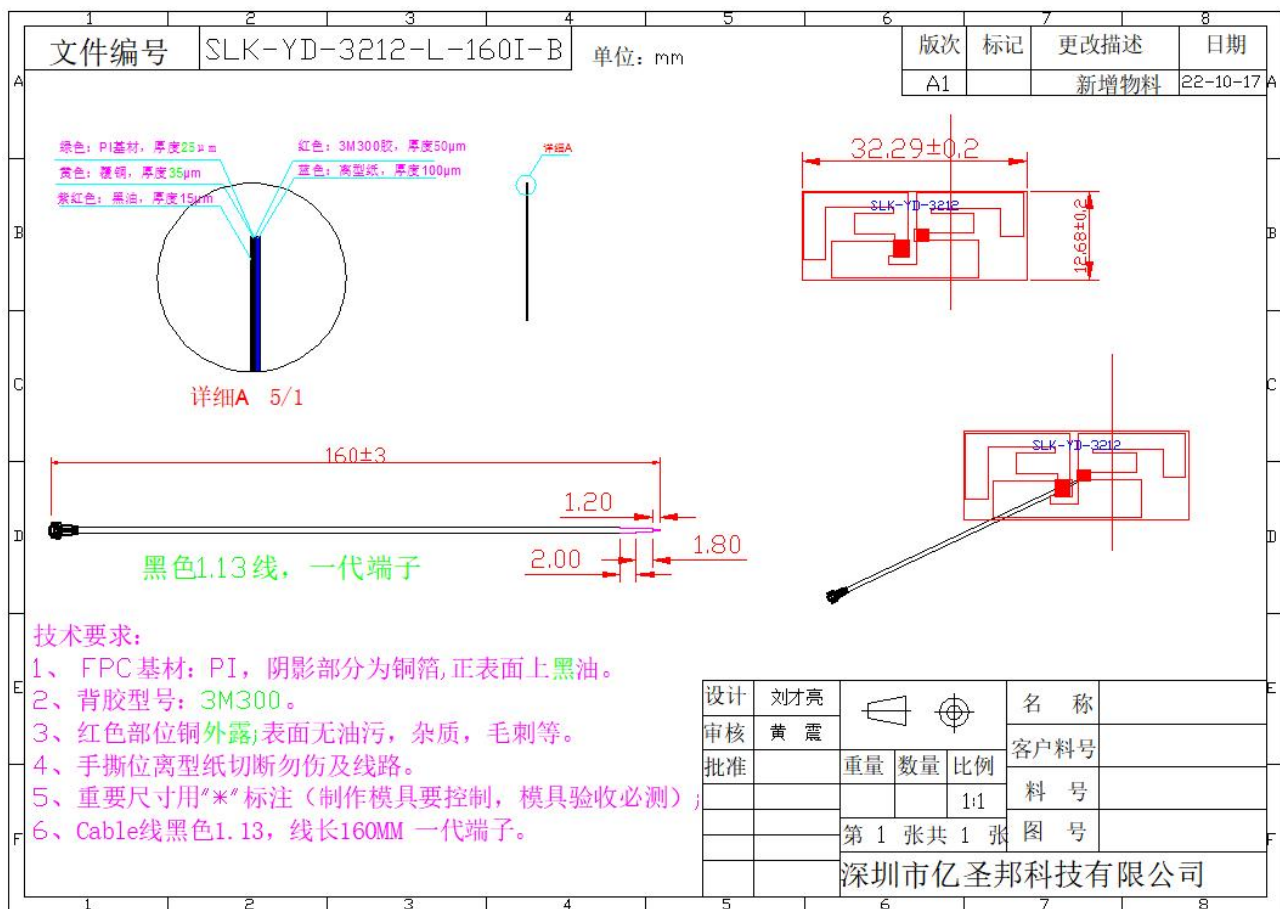
Frequency	2400.0	2410.0	2420.0	2430.0	2440.0	2450.0	2460.0	2470.0	2480.0	2490.0	2500.0
Efficiency (	-2.50	-2.46	-2.46	-2.34	-2.39	-2.54	-2.70	-2.79	-2.77	-2.90	-2.89
Gain (dBi)	3.53	3.47	3.42	3.49	3.71	3.72	3.64	3.67	3.71	3.71	3.30
Efficiency (	56.28	56.74	56.79	58.37	57.69	55.77	53.69	52.66	52.87	51.33	51.31

2450.0MHz H+V, Eff: 55.8%

Back View



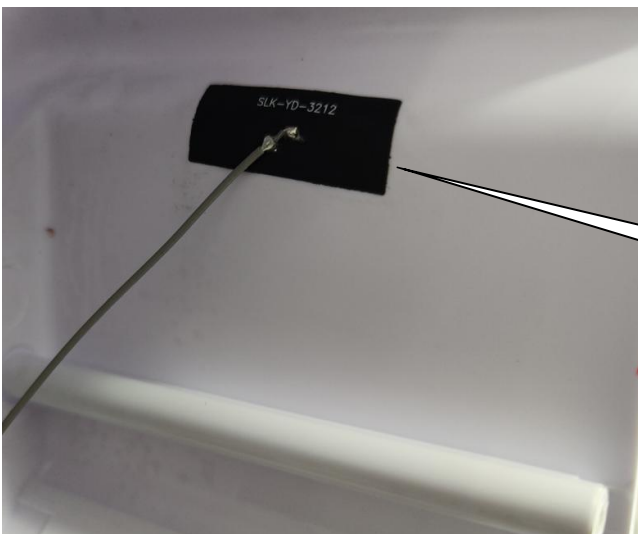
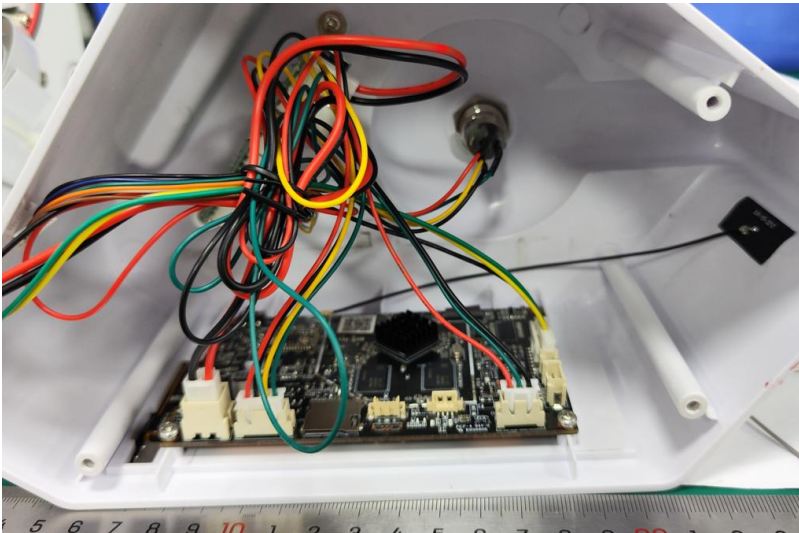
6. Antenna Dimensions (unit: mm)



绿色: PI基材, 厚度25µm
红色: 3M300胶, 厚度50µm
黄色: 覆铜, 厚度35µm
蓝色: 离型纸, 厚度100µm
紫红色: 黑油, 厚度15µm

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7. Antenna Picture



WIFI 天线



深圳市海凌科电子有限公司

HLK-B20 板载天线规格书

一、概述

该 PCB 天线是根据 HLK-B20 的尺寸设计的板载天线。

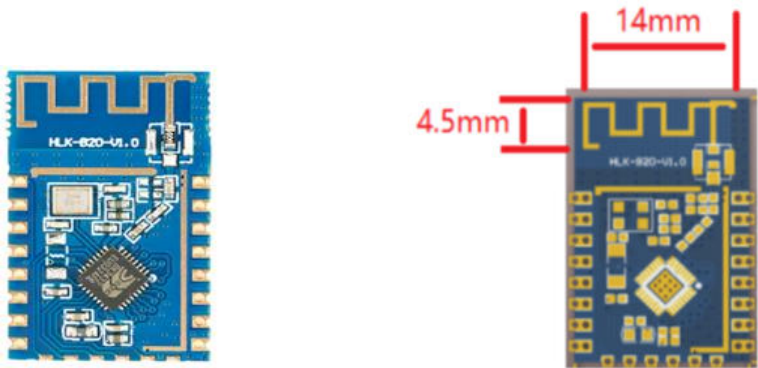


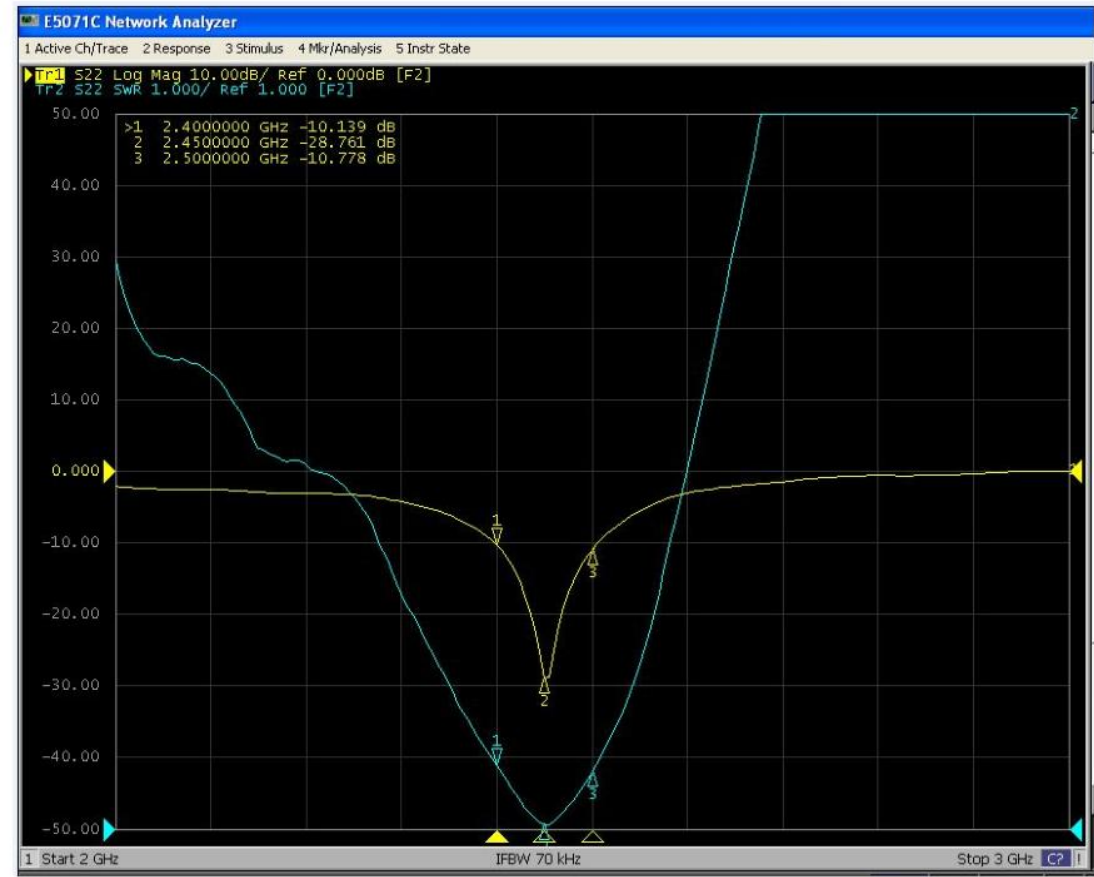
图 1：HLK-B20 板载天线位置及效果图

二、基本参数：

参数	指标	备注
频段 Frequency Range (MHz)	2400-2500	
增益 Gain(dBi)	2.5	
驻波比 V. S. W. R.	<1.5	
极化 Polarization	Vertical	
不圆度 Non-Circularity (dB)	±0.5	
输入阻抗 Impedance (Ω)	50	
雷电保护 Lightning Protection	Direct Ground	
最大功率 Maximum Input Power (W)	50	
工作温度 Operating Temperature (°C)	-40~+70	
储藏温度 Reposition Temperature (°C)	-55~+80	

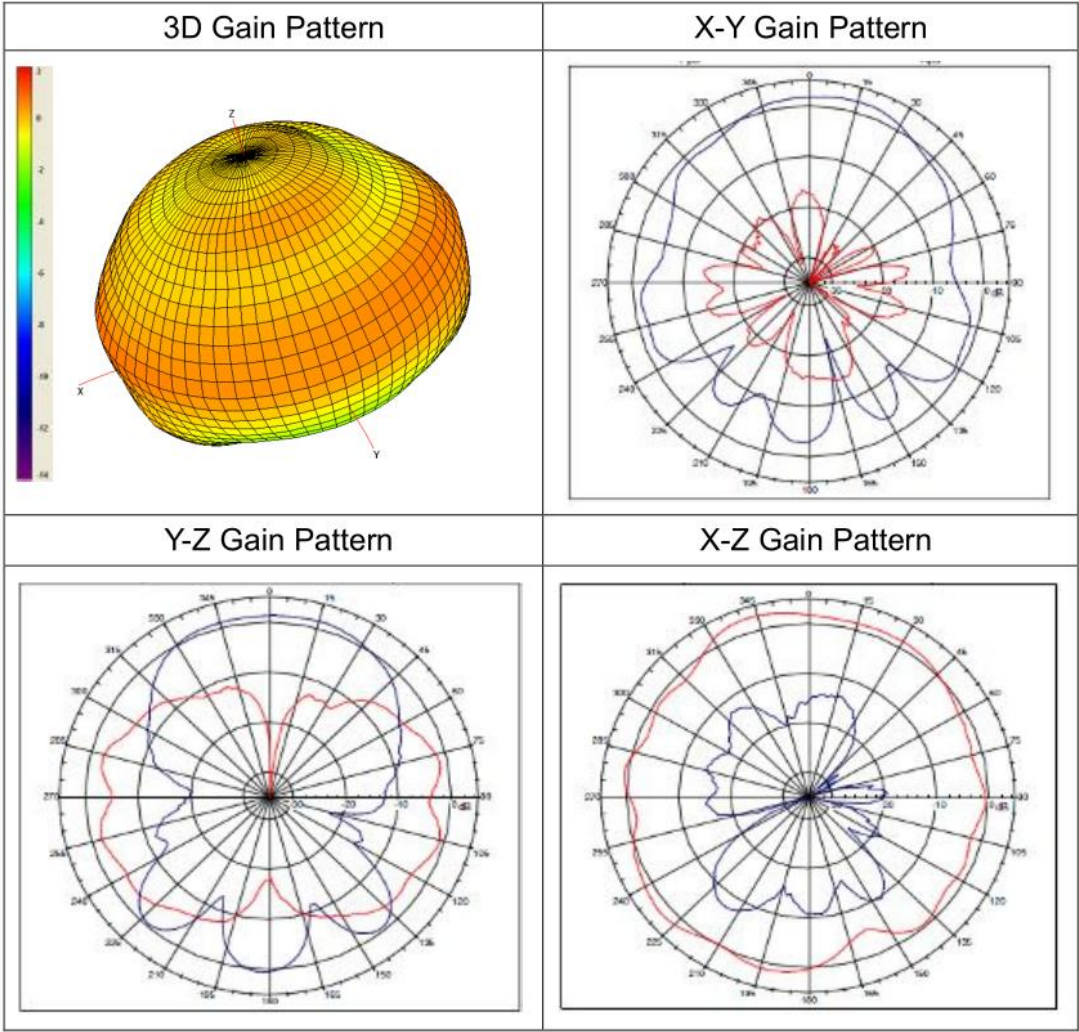
表 1：基本参数

三、回波损耗（S11/VSWR）



	2.4GHz	2.45GHz	2.5GHz
S11 (dB)	-10.1	-28	-10.7
VSWR	1.9	1.1	1.9

四、辐射模式（2.45GHz）



	X-Y plane	X-Y plane	X-Y plane
Avg gain(dBi)	-3.5	-0.36	-1.76
Peak gain(dBi)	2.08	2.51	1.46