



杭州宇泛智能科技有限公司  
Universal Ubiquitous AI Co., Ltd.#

## 样品承认书

### SPECIFICATION FOR APPROVAL

样品编号 (FILES NO.): 1230110399-01

物料名称 (PART NAME): 2.4G Antenna

物料编码 (PART NO.): 1230110399

物料描述 (DESC.): E86-WiFi 天线-柔性 FPC-23.0\*18.0mm-带 IPEX 接头-线长 135mm  
E86-WiFi Antenna-FPC-23.0\*18.0mm-First-Generation IPEX-Cable 135mm

供 应 商 (SUPPLIER): 东莞市一佳电子通讯科技有限公司  
Dongguan YiJia Electronics Communication Technology Co.,Ltd.

型 号 (MODEL): YJH01.038.030.302A

发样日期 (ISSUE DATE): 2023/12/26





# 承认书项目表

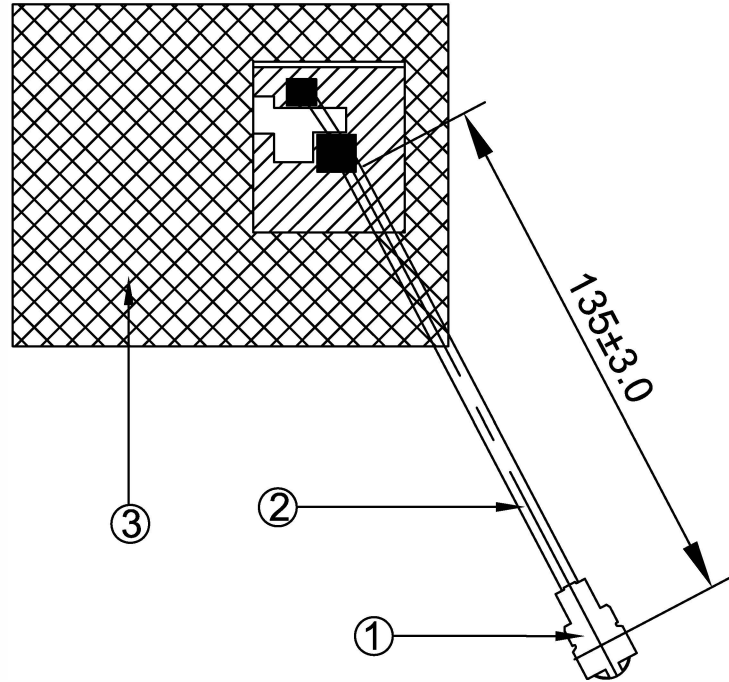
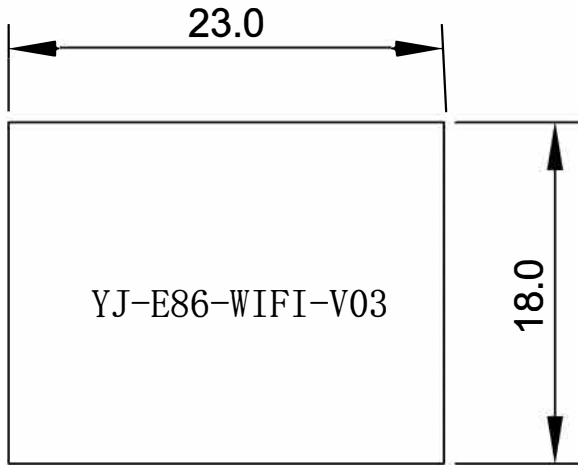
7cbZ] f aUh] cb @YhhYf · Dfc^YWh· HUV Y

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10	-	-	-
11	-	-	-
12	-	-	-
13	-	-	-

**RoHS**  
Compatible


CUSTOMER	
PART NO	

REV.	DESCRIPTION	DATE
△		2022-04-08



3	FPCB	23.0*18.0MM	FPCB	FPC1000XA.P01	1
2	Coaxial Cable	O.D.1.13 Gray	O.D.1.13	COA1000XA.P01	1
1	Mini Connector	Au Plated 1	Cu	TER1000XA.P01	1
NO	PART NAME	DESCRIPTION	Material	Part	Q.TY


**东莞市一佳电子通讯科技有限公司**  
 Dongguan YiJia Electronics Communication Technology Co.,Ltd. Tel :0769-82586086 Fax:0769-82586086

PART NAME: 2.4G Antenna			
PART NO.:YJH01.038.030.302A			DATE: 2022-02-25
APPROVED BY	CHECKED BY	DESIGNED BY	 Tolerance X.X ±0.50 X.XX±0.15 X° ±3°
			UNITS: mm SCALE: 1/1 REVISION: A



# 天线规格

## Antenna specifications

电气性能 Electrical performance	
Frequency (频率范围)	2.4-2.5GHz
Impedance (输入阻抗)	50 Ohm Nominal
V.S.W.R (电压驻波比)	2.5 Max
Gain (总增益)	1.1 dBi
Radiation (辐射方向)	Omni-directional
Polarization (极化方式)	Linear
物理性能 physical property	
Connector (接头类型)	1 IPEX
Cable Type (线材类型)	O.D.1.13mm
Cable Length (线材长度)	135mm
Cable Color (线材颜色)	灰色 grey
Operating Temp. (工作温度)	-40 ~ +85 °C
Storage Temp / Humidity (储存温度/湿度)	25±5°C / <70%

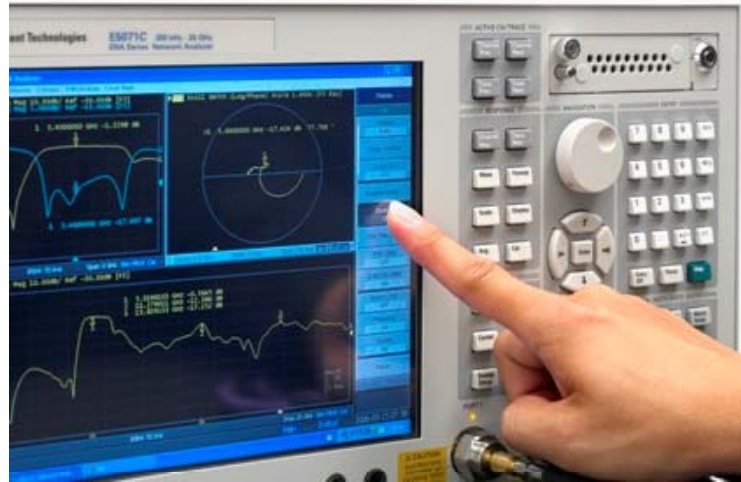
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add: Yuanfu Industrial Zone, No. 59 Muyu Road, Shatou Community, Chang'an Town, Dongguan City Tel:0769-82586086 Fax:0769-82586086

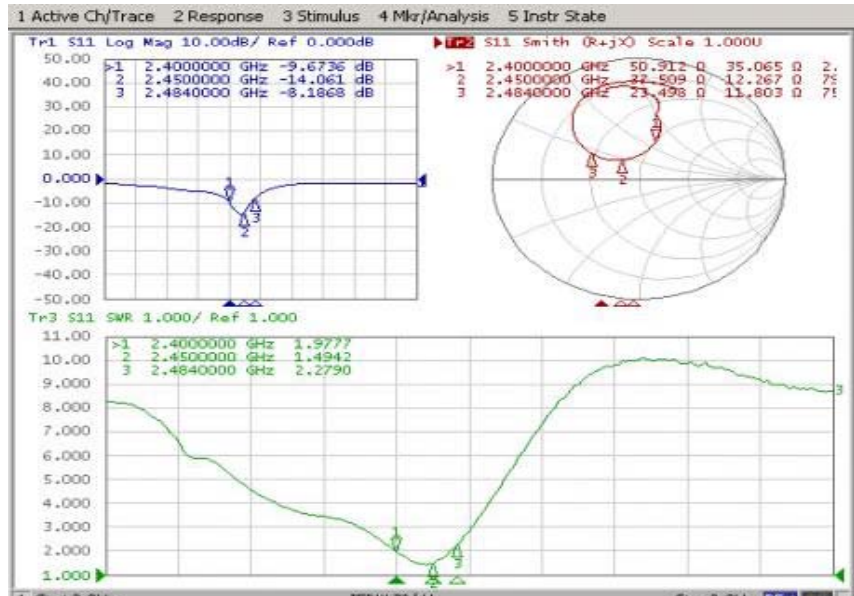


# S参数测试 *Parameter testing*

**Agilent  
E5071B**

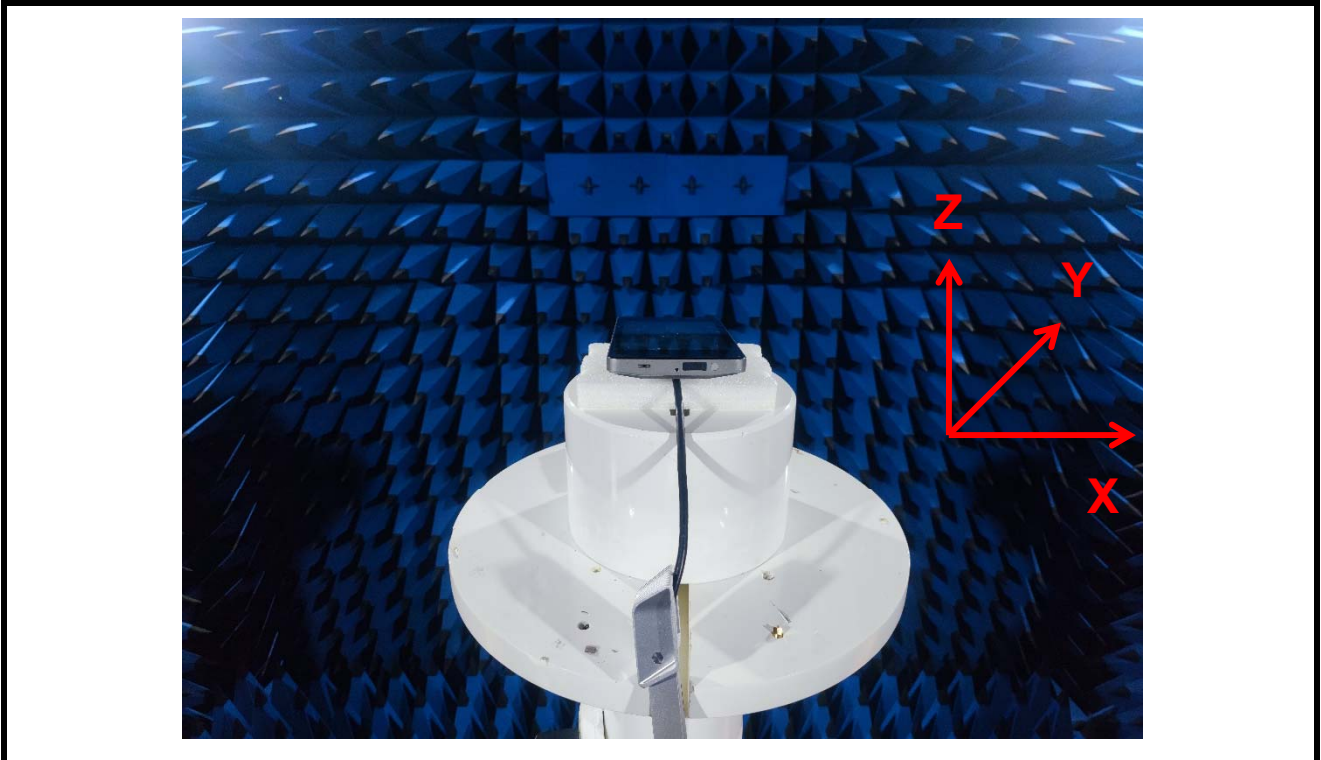


**S11  
Parameter  
Test //  
2.4G  
Antenna**



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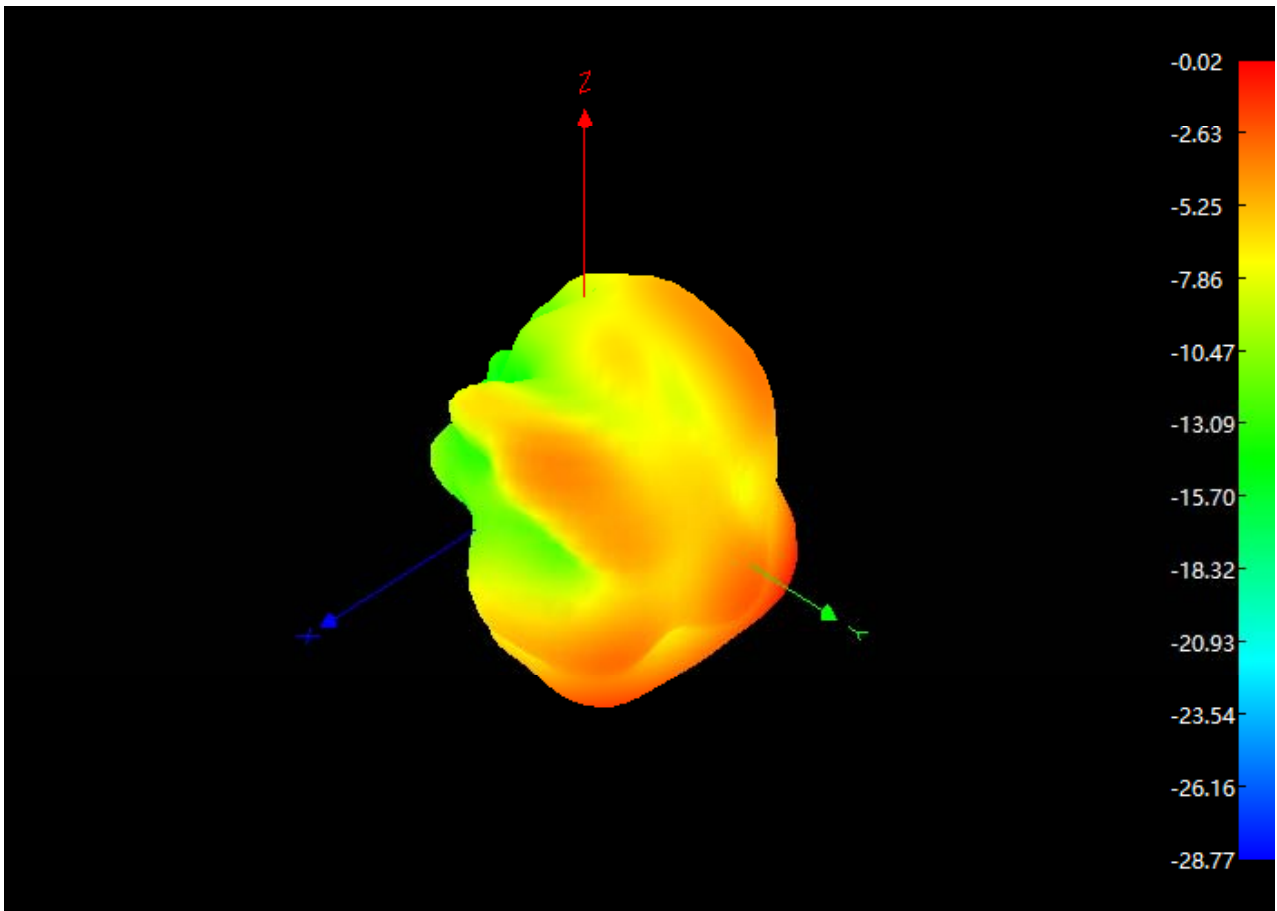
Passive Test For 2.4G Antenna			
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	20.0	-7.0	0.0
2410	21.6	-6.7	-0.3
2420	22.9	-6.4	-0.1
2430	24.7	-6.1	0.0
2440	25.0	-6.0	-0.1
2450	24.8	-6.1	0.3
2460	24.1	-6.2	0.5
2470	23.9	-6.2	0.7
2480	24.8	-6.1	1.0
2490	24.8	-6.1	1.1
2500	24.0	-6.2	1.0

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## Radiation Pattern For 2.4G Antenna(2400MHz)



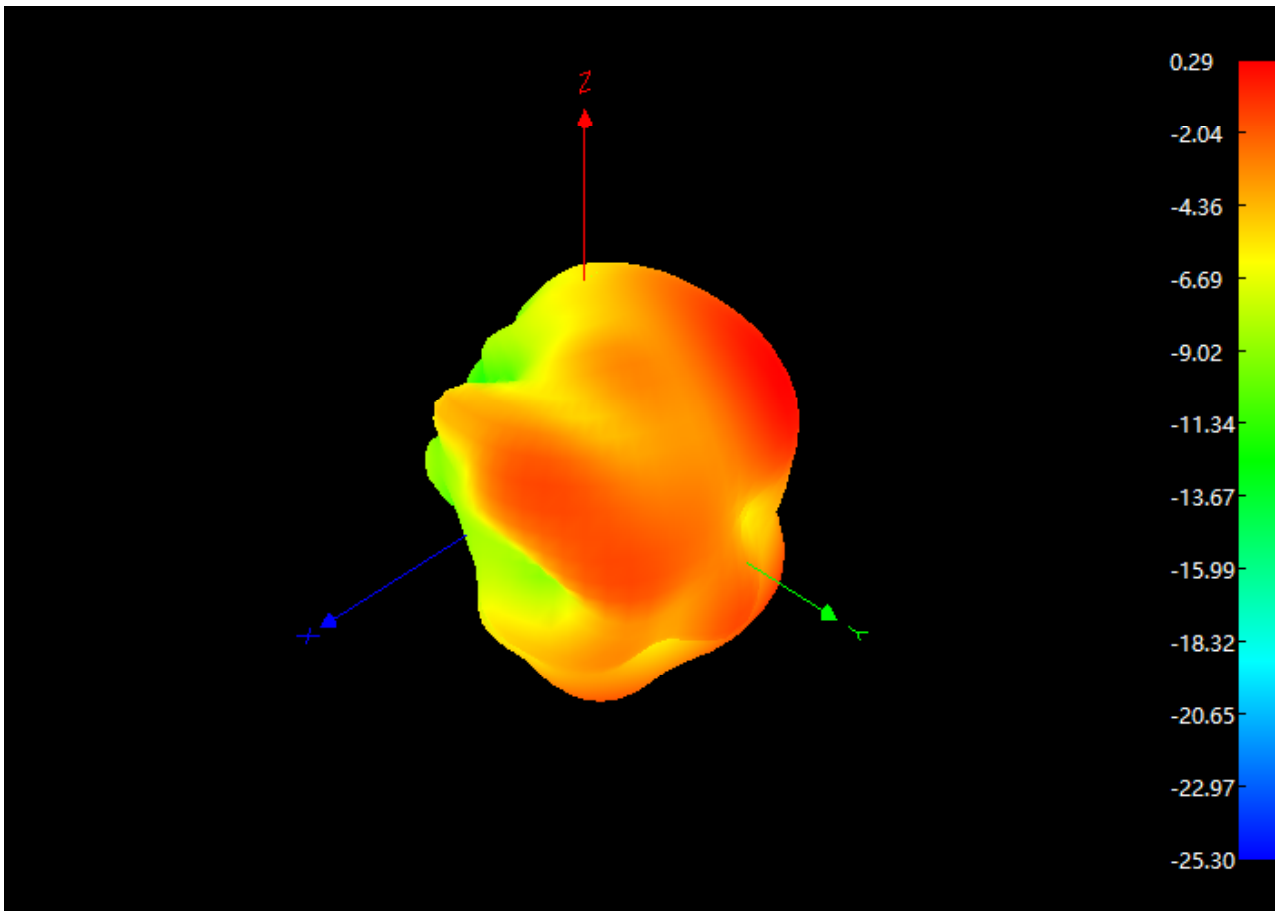
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## Radiation Pattern For 2.4G Antenna(2450MHz)

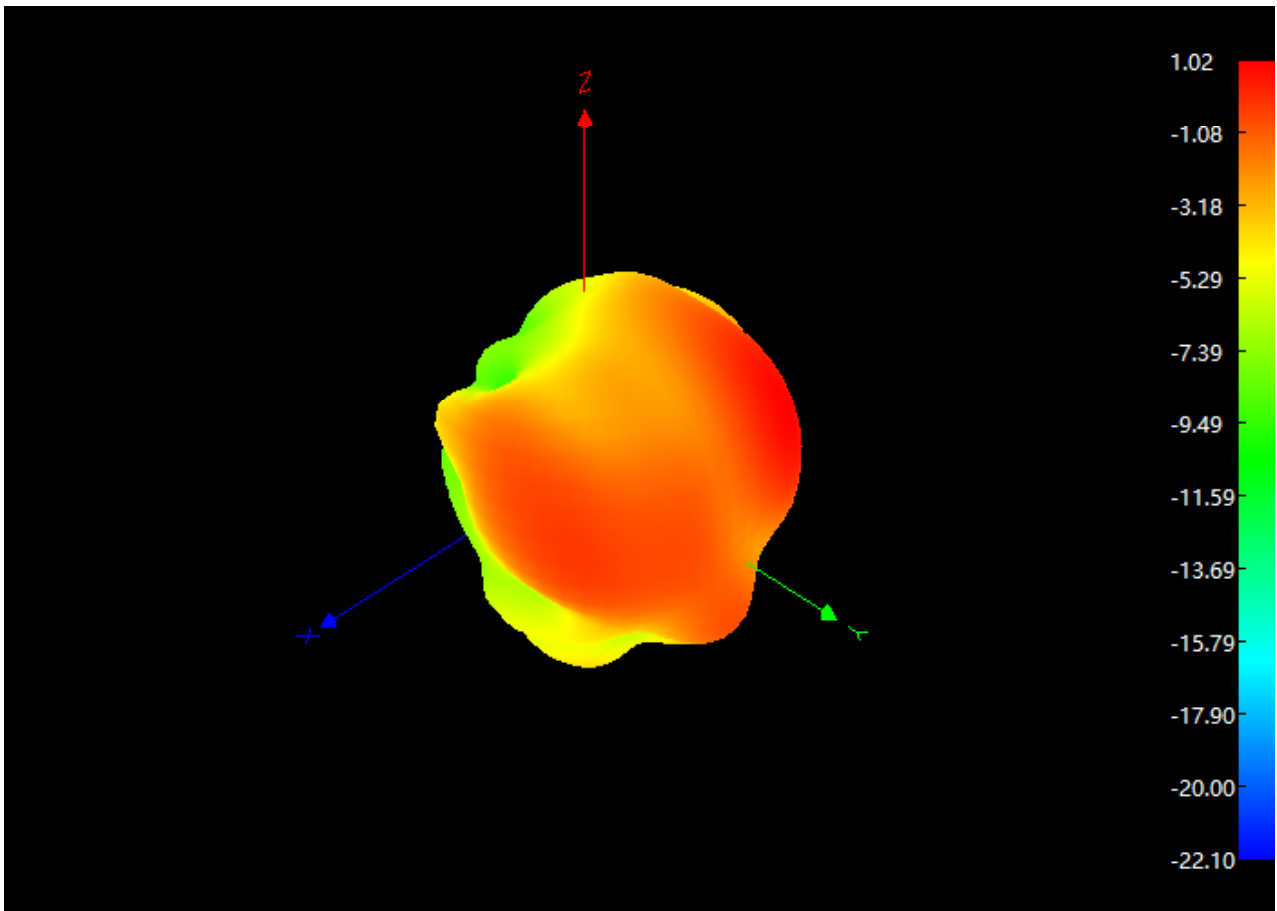


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## Radiation Pattern For 2.4G Antenna(2500MHz)



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