



深圳市宇鸿实业有限公司

Shenzhen Yuhong Industrial Co., Ltd

承 认 书

SPECIFICATION FOR APPROVAL

客 户 名 称

CUSTOMER NAME:

Dongguan yuanfenglun electronics co.,
ltd

客 户 料 号

CUSTOMER P/N:

产 品 料 号

PRODUCT

P/N:

HJ-TW305-L-A2

产 品 名 称

PRODUCT

NAME:

FPC antenna

规格描述:

Description

BT2400-FPCB Built-in Bluetooth headset antenna (HJ-TW305-L-A2)

版本

REV:

A0

出厂签章

SIGN	核 准 APPROVED BY	审 核 CHECKED BY	制 作 DRAMN

客户签章

SIGN	品 质 QE	开 发 R&D	工 程 PE



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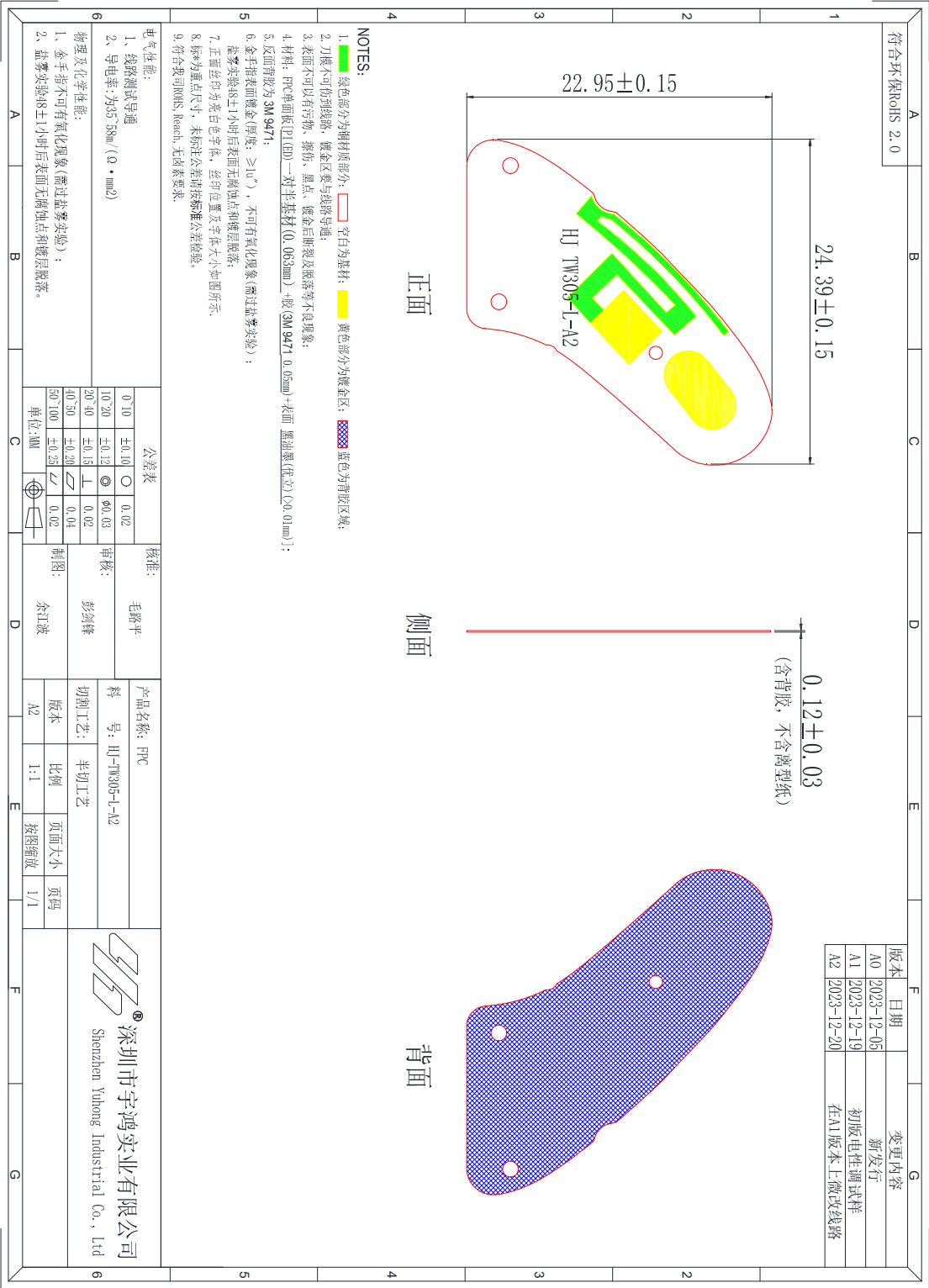
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一、规格表 (Specification Table) :

主要技术指标		Main technical specifications	
频率范围 (MHZ)	2400~2480	Frequency Range (MHZ)	2400~2480
特性阻抗(Ω)	50	Impedance(Ω)	50
输出电压 驻波比	≤ 2.0	VSWR	≤ 2.0
极化方式	线极化	Polarization	Linear polarization
方向性	全向性	Radiation	Omni-directional
连接方式	顶针/弹片	Connector Type	Thimble/shrapnel
物理性能		Physical Properties	
天线本体材料	FPCB	Antenna cover	FPCB
工作温度	-20℃~+70℃	Operating Temp	-20℃~+70℃
保存温度	-20℃~+60℃	Storage Temp	-20℃~+60℃



二、成品图（Product drawing）：





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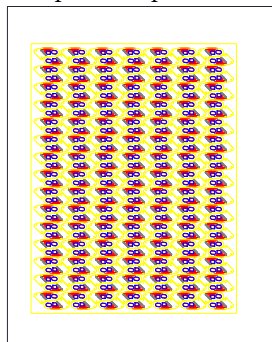
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三、包装规范（Packaging specifications）：

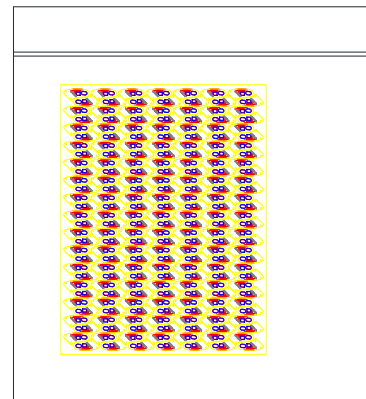
material code:		product name	FPC antenna
Product specification:	HJ-TW305-L-A2	FPC antenna	Sealing bags and cartons
Number of packages	5000PCS/bag	manner of packing:	5000pcs/ bag, a box of 1-16 packs.
Packing	80000PCS		

quantity:

4.1 pouch pack:

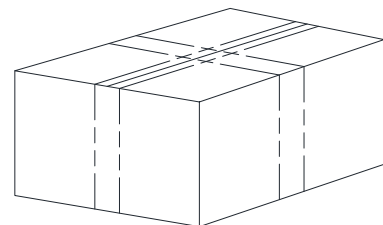
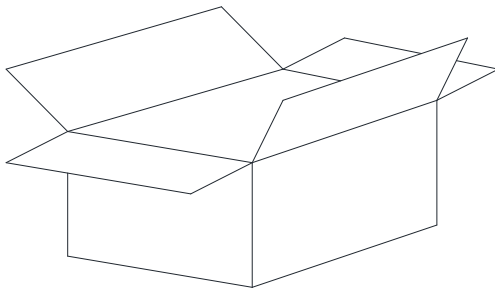


FPC antenna (full plate half cut shipment): 250*328



PE bag 5000PCS antenna

4.2 Large package:



One box of 1-16 bags (5000-80000pcs antenna)

4.3 备注:

Address: Room 1308, Block A, Zhantao Science and Technology Building, Minzhi Avenue, Longhua New District, Shenzhen
telephone: +86-755-21031946 21011595

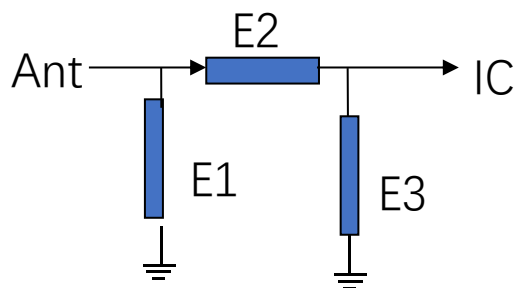


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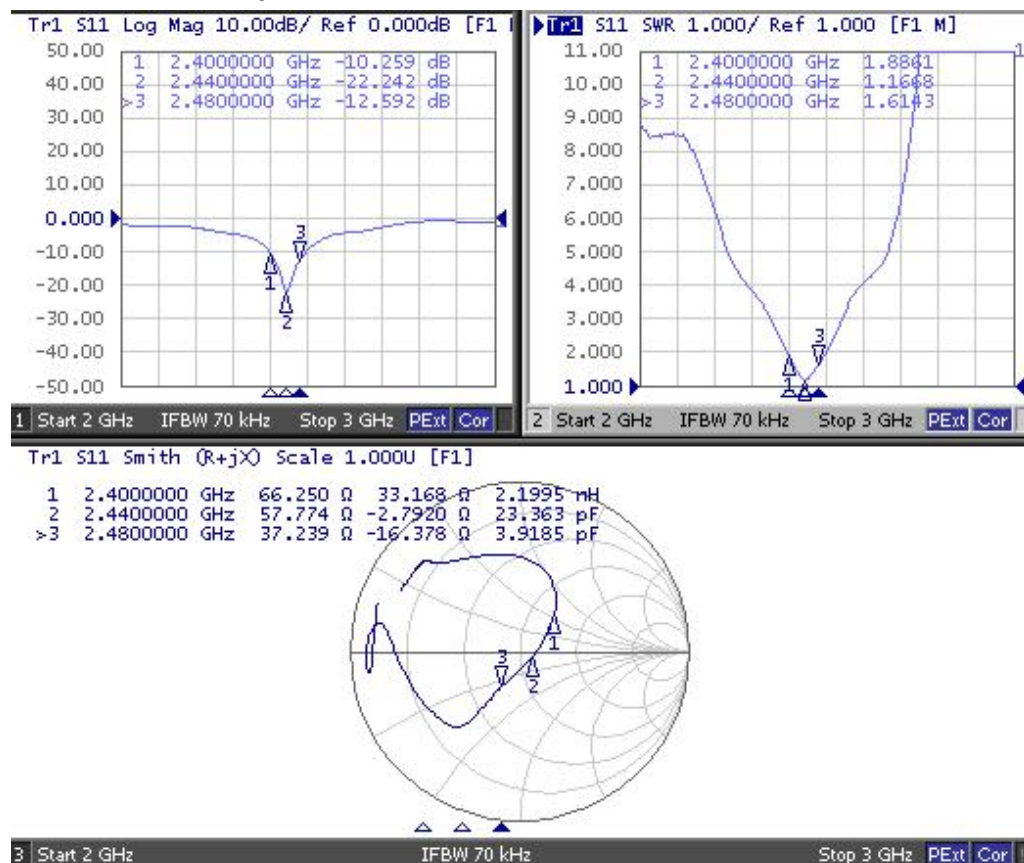
四、测试报告 (Test report) :

4.1 Matching circuit diagram :



Element	Value
E1	2.7PF
E2	OR
E3	N/A

4.2 Network analyzer test report:



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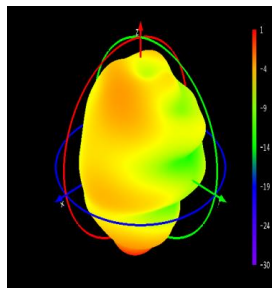


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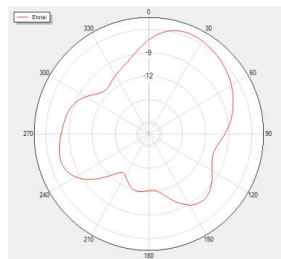
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4.3 dark room 2D、3DRaditation Pattern & gain:

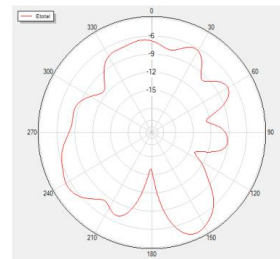
Freq[MHz]	Gain(dBi)	Efficiency(%)
2400	-1.2	25.6
2410	-1.5	26.4
2420	-1.1	27.6
2430	-1.6	26.1
2440	-0.9	25.2
2450	-0.7	26.2
2460	-1.2	26.6
2470	-1.3	25.4
2480	-1.1	24.4



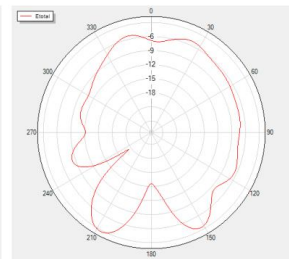
Theta=90 Freq=2440MHz



Phi=90 Freq=2440MHz



Phi=0 Freq=2440MHz



5.4 OTA data

L	channel	TRP (dbm)	TIS (dbm)
free space	0	0.68	-84.62
	39	0.55	-86.07
	78	1.20	-86.59
L	channel	TRP (dbm)	TIS (dbm)
Second generation head mold	0	-5.15	-79.45
	39	-4.85	-82.89
	78	-4.48	-81.52



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五、天线实物图 (Antenna diagram)

