



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 Dongguan yuanfenglun electronics co., Ltd

CUSTOMER NAME:

客户料号

CUSTOMER P/N:

产品料号

PRODUCT P/N: HJ-TW305-R-A2

产品名称

PRODUCT NAME: FPC antenna

规格描述: BT2400-FPCB has built-in Bluetooth headset antenna
(HJ-TW305-R-A2).

Description

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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一、 版本履历表 (Revision History) :

版本号 Reversion	修订页面 Revision page	变更日期 Change date	修订人 Revised by	修订原因及内容 Reason and content for revision	备注 Remarks
A0	—	2024/1/4	<input type="text"/>	<input type="text"/>	



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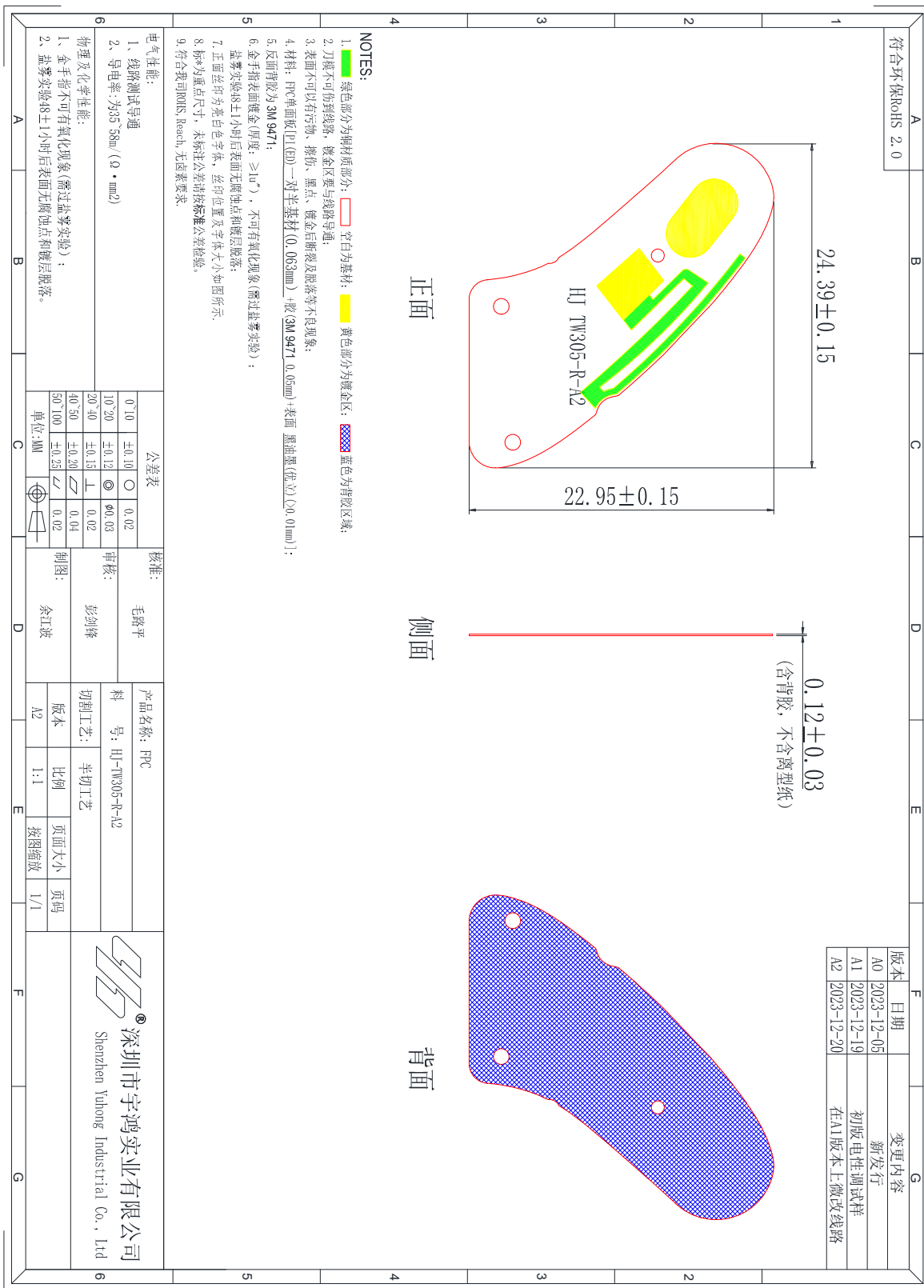
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二、规格表 (Specification Table) :

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 $^{\circ}$ C~+70 $^{\circ}$ C	Operating Temp	-20 $^{\circ}$ C~+70 $^{\circ}$ C
保存温度	-20 $^{\circ}$ C~+60 $^{\circ}$ C	Storage Temp	-20 $^{\circ}$ C~+60 $^{\circ}$ C



三、成品图 (Product drawing) :





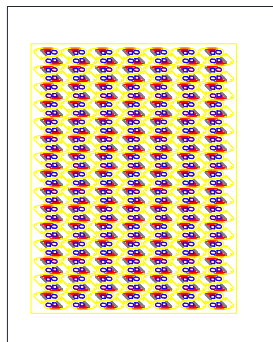
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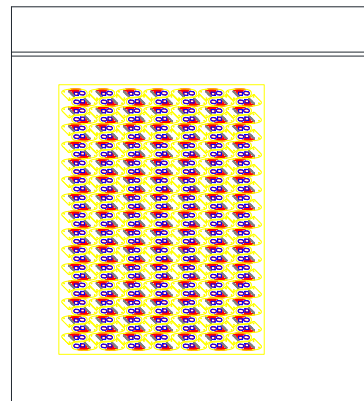
四、包装规范 (Packaging specifications) :

material code:		product name:	FPC antenna
Product specification	HJ-TW305-R-A2FPC antenna packaging material		Sealing bags and cartons
Number of packages:	5000PCS/ bag	manner of packing:	5000pcs/ pack, a box of 1-16 packs
Packing quantity:	80000PCS		

4.1 pouch pack:

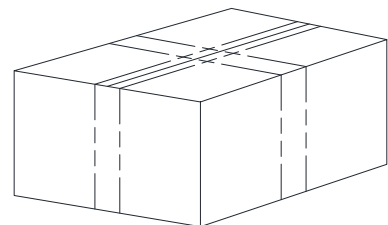
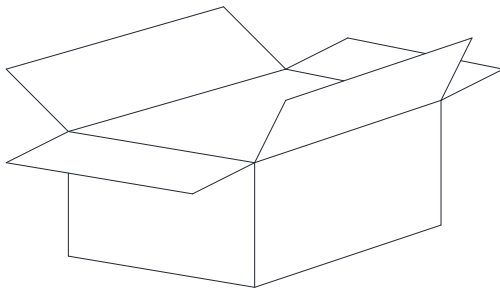


FPC antenna (full plate half cut shipment): 250*328



PE bag 5000PCS antenna

4.2 Large package:

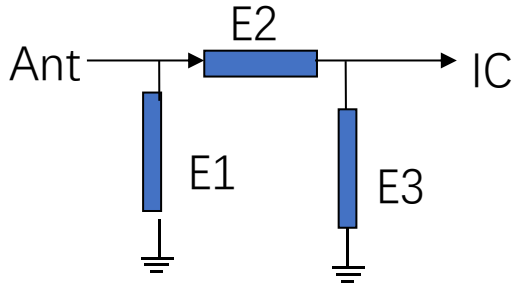


One box of 1-16 bags (5000-80000pcs antenna)



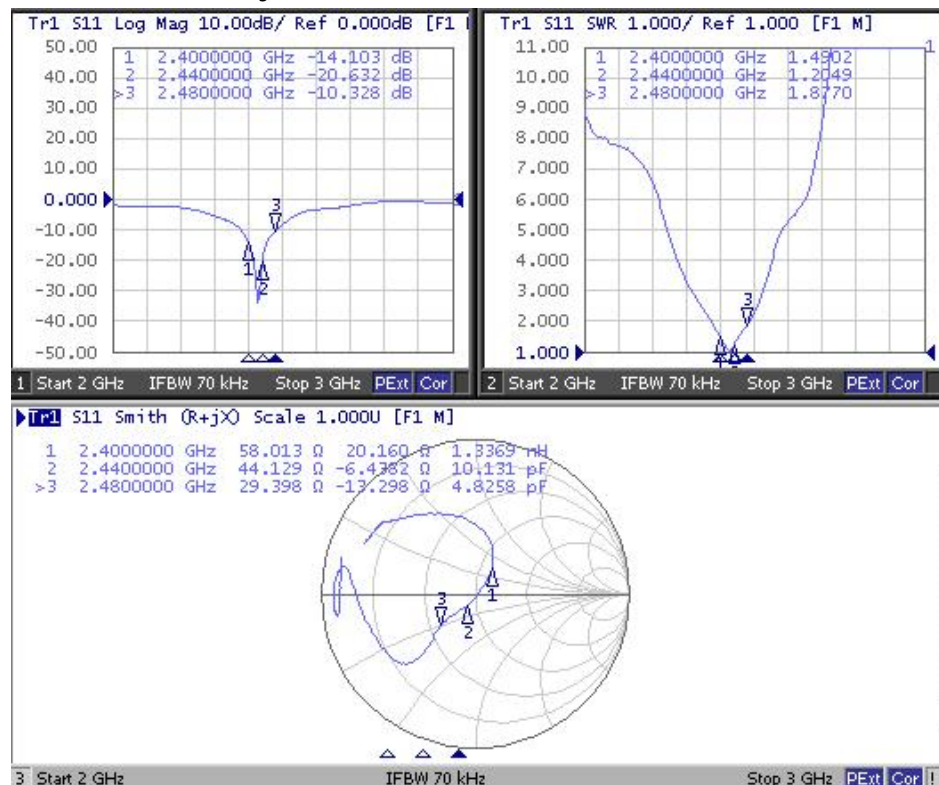
五、测试报告 (Test report) :

5.1 Matching circuit diagram:



Element	Value
E1	2.7PF
E2	OR
E3	N/A

5.2 Network analyzer test report:



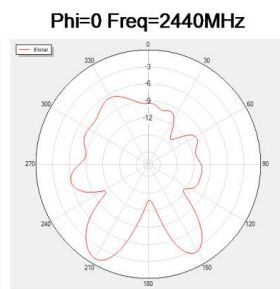
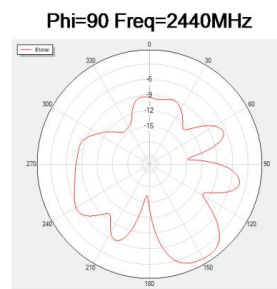
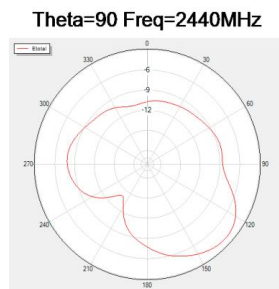
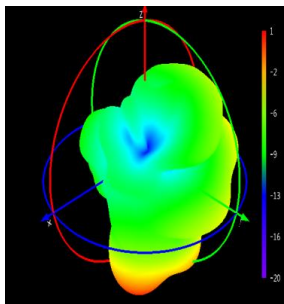


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5.3 dark room 2D、3DRaditation Pattern & gain:

Freq[MHz]	Gain(dBi)	Efficiency(%)
2400	-1.8	25.7
2410	-1.3	26.9
2420	-0.7	27.1
2430	-0.2	27.3
2440	-0.3	26.6
2450	-0.5	25.6
2460	-0.3	25.1
2470	0.0	25.0
2480	-1.7	25.4



5.4 OTA data:

R	channel	TRP (dbm)	TIS (dbm)
free space	0	0.62	-85.54
	39	0.95	-87.16
	78	1.18	-86.55
R	channel	TRP (dbm)	TIS (dbm)
Second generation head mold	0	-5.62	-80.51
	39	-4.59	-82.52
	78	-4.14	-81.17



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八、天线实物图 (Antenna diagram)

