盈通 IPB192TG　WIFI2.4G 天线规格承认书
Product Specifications for Approval

物料编号：T168-1131-110-24

客户名称:盈通　　机型：　IPB192TG

天线频段：WiFi2.4G

版本：R-A　　制作日期：　2022-12-30

顺达成科技有限公司研发			
结构：	陈巍	射频：	杨永辉
审核：	曾力文	批准：	陈华明
客户确认			
客户审核：		客户批准：	

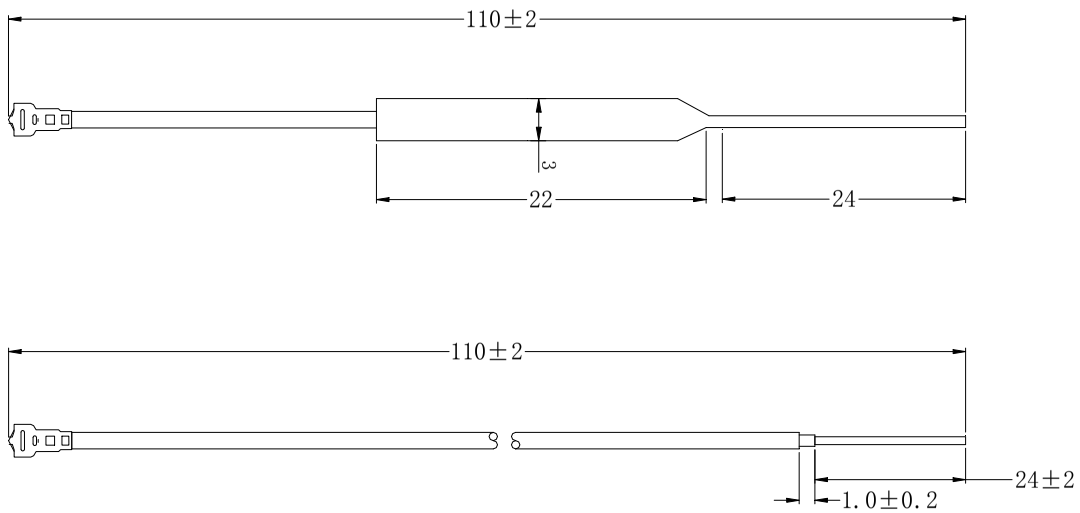
公司地址: 深圳市宝安区福永镇重庆路新福工业园 B5 栋 4 楼
电话:0755-27211658　　传真:0755-29485750

Customer Drawing

RoHS Compliant

独家研发 仿冒必究

REV	DATE	DESCRIPTION	ECN NO.	NAME
A	22. 8. 16	NEW RELEASE		SHINEY HEO



NO.	ITEM	DESCRIPTION	QTY
			1
5.			1
4.			1
3.			1
2.	GM0160-01000011-01	COPPER TUBE,OD:3.0,L:22.TINNED PLATED	1
1.	GMINI-178B01D11SX	OD:1.13mm Coaxial Cable, FEP Gray Jacket L=110mm IPEX1	1

深圳市顺达成科技有限公司
SHUN DA CHENG ELECTRONICS CO., LTD

PART NO.: T168-1131-110-24

TITLE: 2.4G GHZ ANTENNA TO OPEN

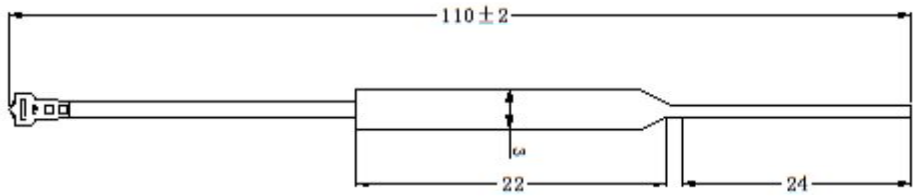
DRAWN BY	SHINEY HEO	DRAWING NO.	
CHECKED BY		DRAWING SIZE	A4
APPROVED BY		UNIT	mm
SORTING NO.	SDC	PAGE	1 OF 1

[ARTICLE: 044032 V4]

1. Project information and Electrical Specification

Those specifications were specially defined for 盈通 IPB192TG，***WiFi2.4G,*** *and all characteristics were measured under the model's handset testing jig .*

1-1 Antenna picture

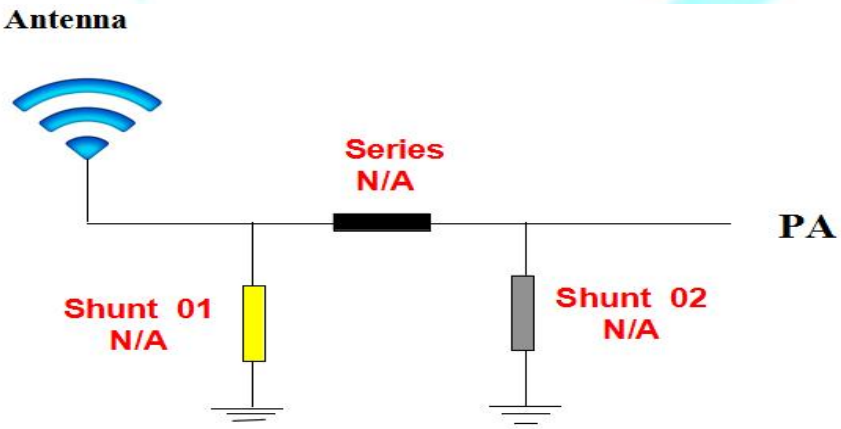


1-2 Frequency Band:

Frequency Band	2400-2500（MHz）

Gain：1.96dBi

1-3 Impedance matching



天线原匹配无更改

2.VSWR

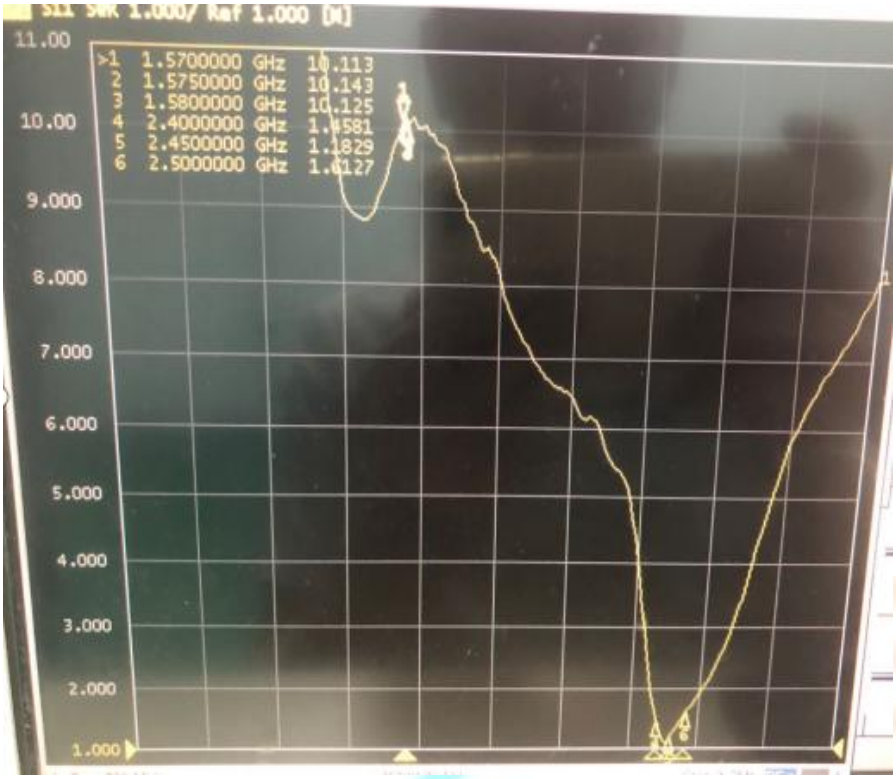
Measuring Method:

1. A 50 Ωcoaxial cable is connected to the antenna. Then this cable is connected to a network analyzer to measure the VSWR,

2. Keeping this jig away from metal at least 20cm.

VSWR parameter values

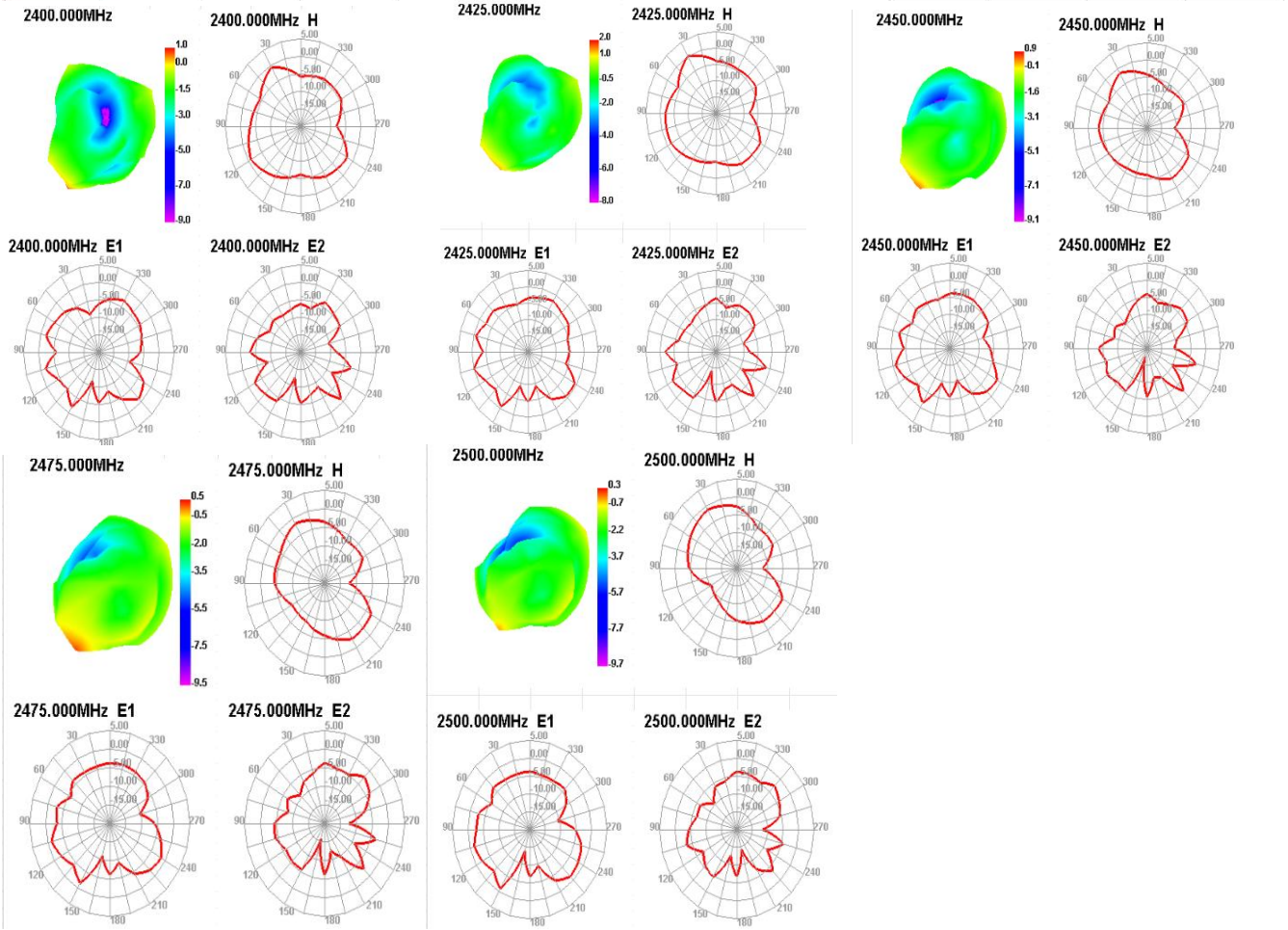
频率（MHZ）	2400	2450	2500
驻波	1.45	1.15	1.61



3. **Efficiency and Gain***measuring and test instruments: **微波暗室，Agilent 网络分析仪，Agilent 频谱分析仪，8960 综合测试仪，标准天线*test method:**equipment 以 H 面放于转台中心位置固定，与喇叭天线中心位置在同一个水平线上。

Efficiency/Gain-WiFi2.4G

Passive Test For 2.4G												
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	UHIS (%)	DHIS (%)	Max (dB)	Min (dB)	irectivit (dBi)	Beamwidth (3dB)	AttH (dB)	AttV (dB)
2400	43.54	-3.61	1.03	-1.12	20.581	22.962	1.03	-15.9	4.64	15	48.93	49.09
2425	45.48	-2.97	1.96	-0.19	23.926	26.555	1.96	-16.48	4.93	15	49.09	49.22
2450	36.53	-4.37	0.87	-1.28	17.136	19.397	0.87	-19.74	5.24	15	49.25	49.27
2475	35.97	-4.44	0.52	-1.63	17.205	18.763	0.52	-23.22	4.96	75	49.98	49.91
2500	36.94	-4.32	0.32	-1.83	17.676	19.267	0.32	-18.36	4.64	75	49.71	49.62



3.The production index

天线量产时，以驻波比作为量产测试标准。

根据项目本身的差异,给出如下标准：

频率	量产标准
WiFi2.4G	VSWR（量产产品）<VSWR(设计样品)+/-0.5

4.Antenna Assembly & environmental processing

产品 ROHS 证书

Certificate

Certificate Number: UNIB22051904HC-01

Product:	Fpc antenna
Applicant:	ShenZhen ShunDaCheng Technology Co., Ltd. 4th Floor, Building B5, Xinfu Industrial Zone, Fuyong Chongqing Road, Baoan District, Shenzhen
Manufacturer:	ShenZhen ShunDaCheng Technology Co., Ltd.
Model No.:	N/A
Trade Name:	N/A
Test Methods:	IEC 62321-2:2021, IEC 62321-3-1:2013, IEC 62321-4:2013 +A1:2017, IEC 62321-5:2013, IEC 62321-6:2015, IEC 62321-7-1:2015 IEC 62321-7-2:2017, IEC 62321-8:2017

The laboratory tested the product provided by the applicant according to the above test methods. According to the test results, the product conforms to RoHS Directive [(2011/65/EU and Amendment (EU) 2015/863)] issued by the European Commission. It is possible to use CE marking to demonstrate the compliance with RoHS Directive.

The certificate applies to the tested sample above mentioned only and shall not imply an assessment of the whole production. It is only valid in connection with the test report number: UNIB22051904HR-01.

Note: According to the requirements of the applicant for testing, details are shown in the test report.

RoHS

May 27, 2022
Issue Date

Hoffer Lau

CE

Certificate of Compliance

Shenzhen United Testing Technology Co., Ltd.

Shenzhen: 2/F., Annex Building, Jiahuangyuan Tech Park, No.365, Baotian 1st Road, Xinhe Street, Bao'anDistrict, Shenzhen, Guangdong, China/518050

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