

# 深圳市一加一无线通讯技术有限公司

Shenzhen OnePlusOne Wireless Communication Technology Co.,Ltd

## Antenna specification

客户： 一品呈/四季宏盛

Customer

项目名： HT600

Project

品名： WIFI Antenna

Description

料號： 4.01.17.0036

Part Number

日期： 2023 年 7 月 15 日

Date Year Month Day

## 承認人簽章

項目：

電子：

品質：

UNLESS OTHER SPECIFIED TOLERANCES ON:

X=±1 X.X=±0.1 X.XX=±0.01

ANGLES=± HOLE DIA=±

SCALE:

UNIT: mm

DRAWN BY: 刘鑫浩

CHECKED BY: 章生兵

DESIGNED BY: 谭德明

APPROVED BY: 杨东升

TITLE: G4326A-FBT-A Specification

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# 1.Product design frequency band

Frequency Band	MHz
WIFI2.4G/802.11G/CH11	2400-2500

# 2.Product materials and environment description

Product material description	
calcite	26/35/05
Product environment description	
operating temperature	- 30°C ~ + 55°C
storage temperature	- 30°C ~ + 45 °C

# 3. Description of experimental equipment

- Measuring instrument: Anechoic chamber, Agilent Network analyzer, Agilent frequency analyser, CMW500 general-purpose tester.
- Standard antenna.
- **Microwave darkroom instructions:**

This is the microwave darkroom set up by our company in Shenzhen, which belongs to a set of far-field measurement system. The size of the darkroom is 5.0 m x3.0 m x3.0 m, and the size of the Quiet zone is 15 cm x15 cm x15 cm.

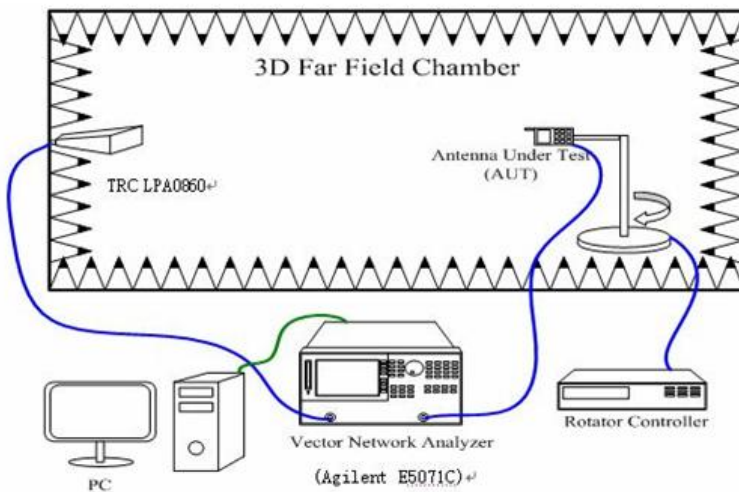


图.1. 微波暗室内部仪器设置 r.4

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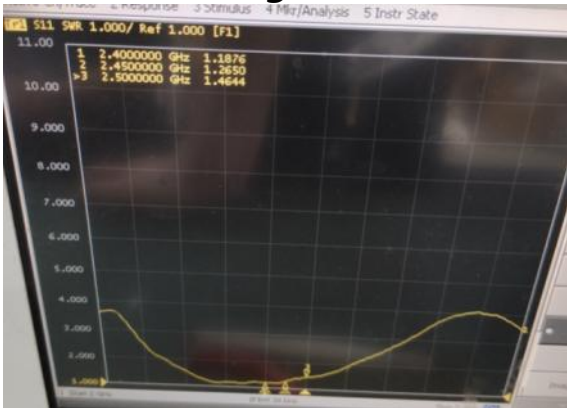
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#### 4. Matching circuit (does not change your motherboard matching circuit)

#### 5. Product test report

#### Passive testing



Passive Test For WIFI2.4		
Freq (MHz)	Effi (%)	Gain (dBi)
2400	26.29	0.36
2410	27.23	0.5
2420	27.22	0.68
2430	28.03	0.77
2440	27.95	0.86
2450	27.89	0.72
2460	27.77	0.75
2470	26.4	0.36
2480	25.19	0.23
2490	24.95	0.24
2500	25.32	0.5

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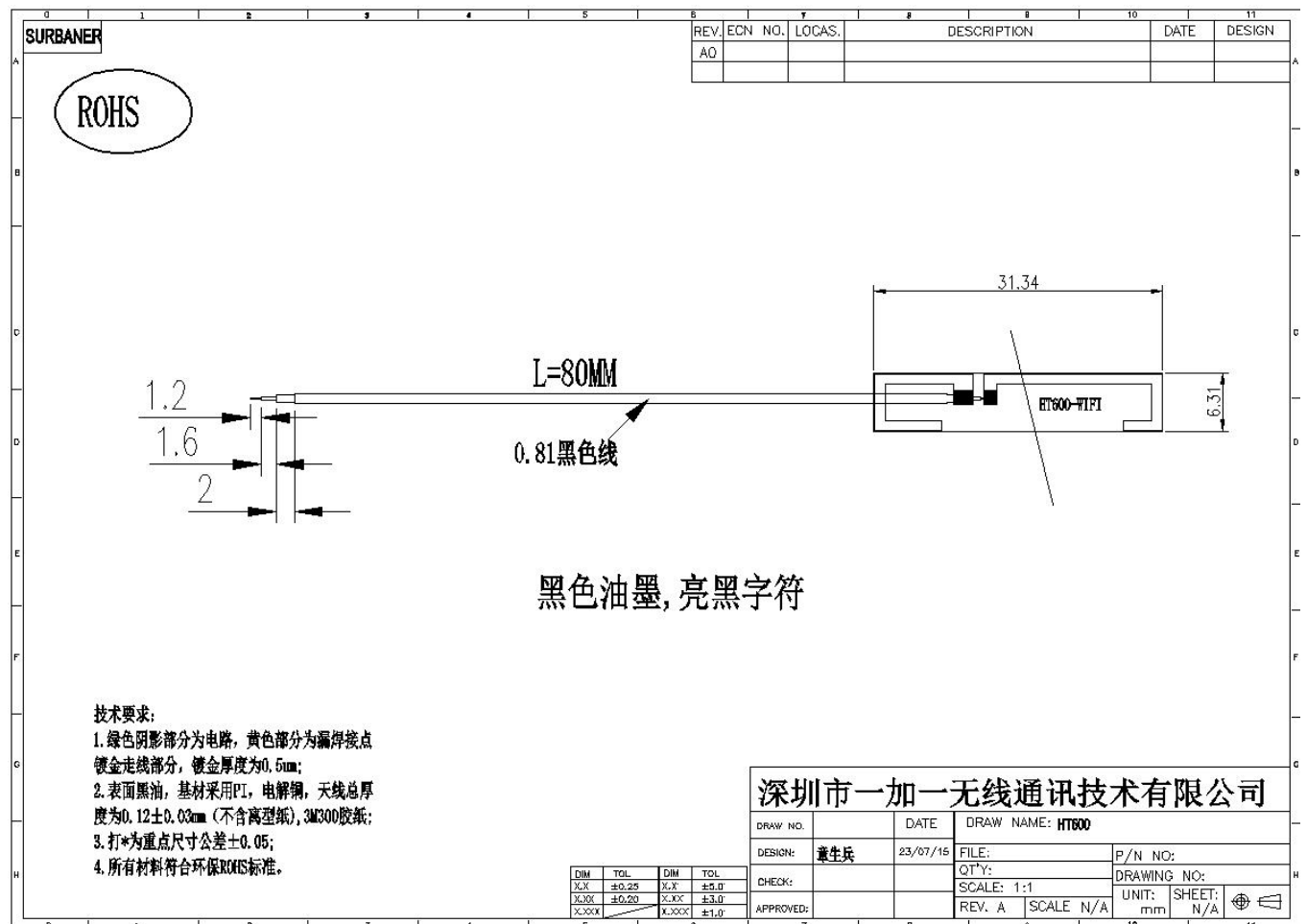
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# 有源测试

	CH	TRP	TIS
802.11G	1/54M	11.3	-72.4

## 6. Antenna environmental treatment NOT

## 6. Product 3D structure diagram and remarks



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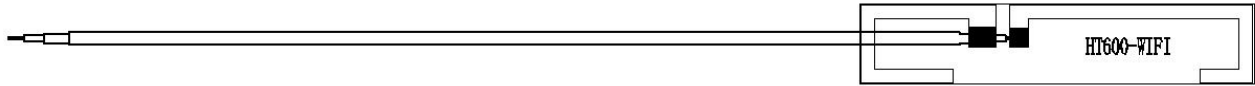
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## 8.Product packing instructions

### Packaging (包装)

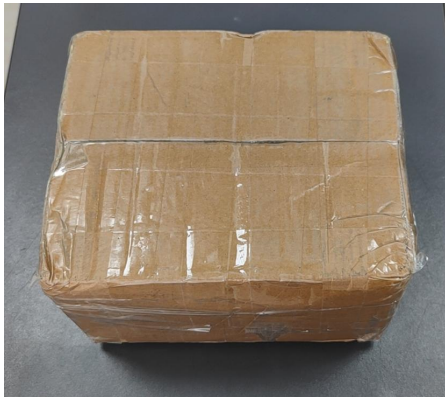
1. QA detection OK product



2.2000PCS One package of product composition (there will be changes in actual production according to the layout of the sample)

2. a pack 2000/PCS, And label the product

3. Put the products with the package OK into the carton and affix the product label of the outer carton



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出货标签			
客户名称		物料编码	
品名		规格型号	
数量		生产日期	
订单号		备注	

Note: In addition, different specifications of packaging boxes can be selected according to the shape of the product

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# 9, 可靠性测试报告

编号	试验类型	试验项目	试验方法/严酷等级	样品数量	测试数据	测试结果	详细描述
1	环境类	高温高湿	+60℃, 93 %湿度 48H	2	恢复 2 个小时检查, 试验后结构件无裂纹、褪色等异常。	PASS	
2		盐雾	在 35℃±2℃的密闭环境中, 湿度 >85%, PH 值在 6.5-7.2 内, 用 5%±1% 的 NaCl 溶液 24H 连续喷雾, 内置五金件及内镶件 8H; 。试验完成后室温干燥 24H+高温干燥 2H (干燥温度 55-60 调整) 再检查。	2	产品表面不能有变色、起泡、涂层脱落、起皱、裂痕、变形、起翘、氧化、腐蚀等异常。	PASS	
3		温度冲击	低温 -30℃ 贮存 1H 后转到高温 80℃ 贮存 1H, 中间转换时间≤5min ; 循环 24 次, 俄罗斯市场: -40℃ -70℃每个温度点保存 1 小时, 24 个循环。取出后常温放置 2H, 检查外观、结构位置	2	结构件无裂纹、褪色等异常	PASS	
4		弯折	双手握住样品两端, 在涂层面积大于 10mm*10mm 的部位和容易产生熔接线的部位折弯; 塑材需在容易产生熔接线的部位折弯; 对样品弯折 180 度, 均匀加力, 顺折一次		不可出现片状掉漆, 弯折处允许有裂纹, 但油膜边缘不可翘起 (特殊性材质物料可不作此试验) 不可有刮手感觉为合格; 塑材折弯时断面齐整、折弯时有脆响为不合格。	PASS	

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10.生产工艺流程图

# 工艺流程（普通天线板）



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