



Tengxiang Technology.Inc

东莞市腾祥电子有限公司

Product Number: AN2400-0104RS-B

Product Name: Antenna

Specification For Approval

Date: 2023.2.23

Version: 1.0

客户名称

Customer:

敏视

客户料号

Customer P/N:

31160100119

腾祥料号

T X P/N:

AN2400-0104RS-B

规格描述

Description:

2.4G 黑色天线 RP SMA (公头母针)

2.4G Black Antenna RP SMA

Tengxiang Checked By: 腾祥审核		Customer Approved By: 客户审核	
DRAWN 制作	路婷	TESTED BY 检测	
CHECKED BY 审核	胡超	CHECKED BY 审核	
Q.C.DEPT. 品管	梁凤珍	Q.C.DEPT. 品管	
APPROVED BY 核准	韦佳	APPROVED BY 核准	



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东莞市腾祥电子有限公司

Product Number: AN2400-0104RS-B

Product Name: Antenna

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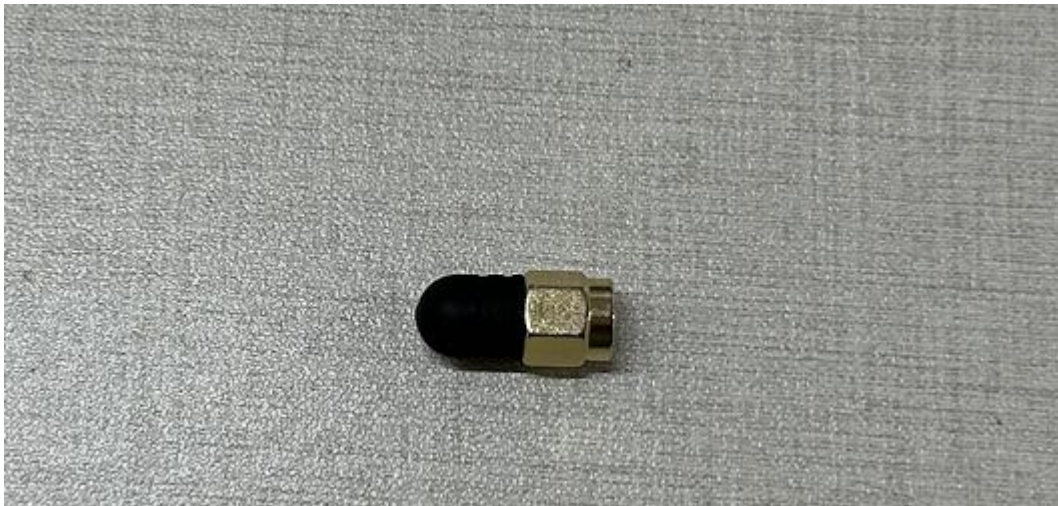
Revision History (变更履历)

Revision	Date	Change Notification	Description
1.0	2023.2.23	初版	

Product Number: AN2400-0104RS-B

Product Name: Antenna

1. Specification

Sample Photo	
	
A. Electrical Characteristics	
Frequency 频率	2400-2500 MHz
S.W.R. 驻波比	≤ 2.0
Antenna Gain 增益	0.41dBi
Polarization 极化方式	Linear
Impedance 阻抗	50 Ohm
B. Material & Mechanical Characteristics	
Material of Plastic 塑胶材质	TPE
Cable Type 线材规格	/
Connector Type 连接器规格	RP SMA Plug (公头母针)
C. Environmental	
Storage Temperature 存储温度	- 40 °C ~ +80 °C
Operation Temperature 工作温度	- 40 °C ~ +80 °C
Antenna Color Storage life 天线颜色存储寿命	< 2 year

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Product Name: Antenna

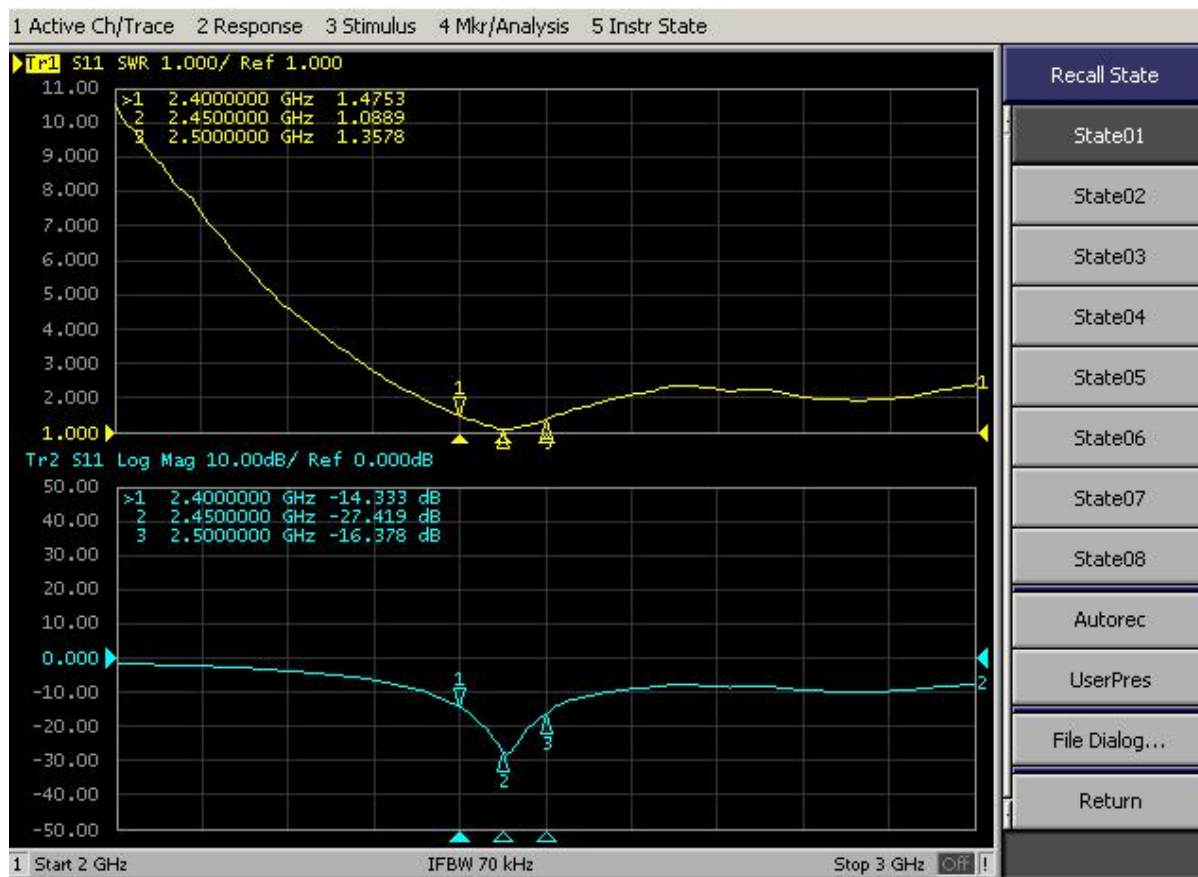
2. Characteristics and Reliability Test

Test Items 测试项目		Test Condition and Procedure 测试方法	Requirements 要求	Result 结果
1	V.S.W.R. 电压驻波比	Set DUT on Network Analyzer; make individual calibration to test 设置网络分析仪参数进行测试	Directive DUT specification 符合待测物规范	PASS
2	Antenna Gain 天线增益	Set DUT on Antenna Chamber; make individual calibration to test 设置天线暗室参数进行测试	Directive DUT specification 符合待测物规范	PASS
3	Pull Test 拉力	Holding with individual specification; force applied to axis of terminal 单独定义产品端子拉力	1. Directive DUT specification 2. Frequency Tol. $\leq 5\%$ 符合待测物规范; 频率偏移 $\leq 5\%$	PASS
4	Torque Test 扭力	Holding with individual specification; applied clockwise and counterclockwise to the axis of terminal 单独定义产品端子之顺时针及逆时针扭力	1. Directive DUT specification 2. Frequency Tol. $\leq 5\%$ 符合待测物规范; 频率偏移 $\leq 5\%$	PASS
5	Dimension 尺寸	Inspection of dimension, color, material, package, surface process. 检查尺寸, 颜色, 材料, 包装, 表面处理	Directive DUT specification 符合待测物规范	PASS
6	Waterproof 防水	With Reference to IEC 60529 // IP Code Definition 参考 IEC60529 IP 定义	Directive DUT specification 符合待测物规范	PASS
7	Salt Spray 盐雾	GB / T 2423.17-2008 Temp: 35°C; RH: $\geq 95\%$; NaCl solution: $\geq 5\%$; Time: 24H 温度 35°C; 湿度 $\geq 95\%$; 盐水浓度 $\geq 5\%$; 测试 24H	1. No Visual Damage 2. Frequency Tol. $\leq 5\%$ 无明显外观不良; 频率偏移 $\leq 5\%$	PASS
8	Temperature and Humidity Chamber 恒温恒湿	GB / T 2423.3-2006 Temp: 80°C / 12 H; -40°C / 12H RH: $\geq 90\%$; Time: 24H 温度 80°C 测试 12H 转 -40°C 测试 12H; 湿度 $\geq 90\%$; 时间 24H	After 2 Hours Recovery 1. No Visual Damage 2. Frequency Tol. $\leq 5\%$ 恢复 2H 后, 无明显外观不良; 频率偏移 $\leq 5\%$	PASS
9	Aging test 老化	GB / T 2423.2 - 2008 Temp: 80°C; Time: 24 hours 温度 80°C, 测试 24H	After 2 Hours Recovery 1. No Visual Damage 2. Frequency Tol. $\leq 5\%$ 无明显外观不良; 频率偏移 $\leq 5\%$	PASS
10	RoHS	With Reference to IEC 62321:2008 with flow chart 参考 IEC 62321 测试流程	Directive RoHS 2011/65/EU 符合 RoHS 2015/863/EU 标准	PASS

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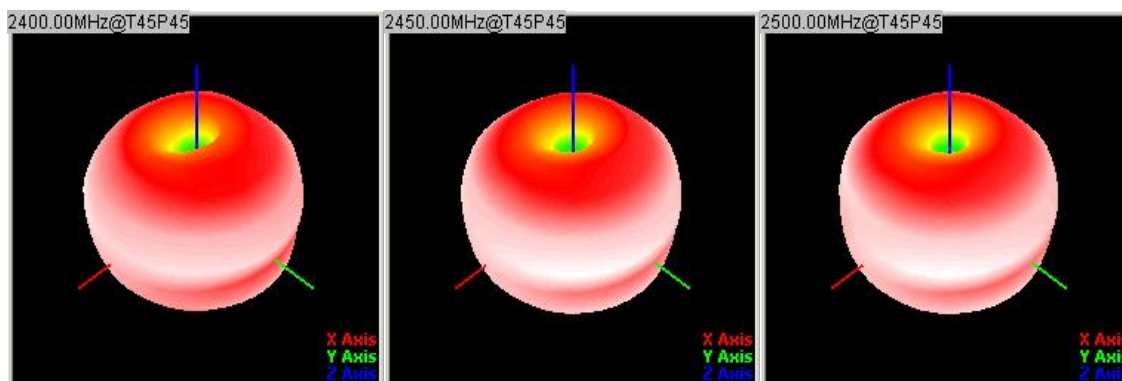
Product Name: Antenna

3. Antenna - S Parameter Test Data



4. Antenna - Radiation Pattern Test Data

Frequency (MHz)	2400.0	2450.0	2500.0
Efficiency (%)	44.70	44.20	39.10
Gain (dBi)	0.41	0.31	0.31



5. Mechanical Drawing See attached files

1	2	3	4	5	6	7	8																		
HF☐ RoHS☒ REACH☐ CONFIDENTIAL					<table><tr><td>SIGN</td><td>DATE</td><td>DESCRIPTION</td><td>APPROVER</td></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr></table>			SIGN	DATE	DESCRIPTION	APPROVER														
SIGN	DATE	DESCRIPTION	APPROVER																						
E							E																		
D							D																		
C	SMA公头母针 →						C																		
B							B																		
A	Note: 1. Dimension: Take * is the important dimension 2. Tolerance: Unmarked tolerance refer to the standard tolerance please <table><tr><td>2</td><td>ANT01-02B</td><td>body</td><td>TPE</td><td>Black,L=10.0mm</td><td>1</td></tr><tr><td>1</td><td>SMA084-G8MR-ANT</td><td>RP- SMA plug</td><td>Cu</td><td>Au Plating</td><td>1</td></tr><tr><td>No.</td><td>Part Number</td><td>Name</td><td>Material</td><td>Finish</td><td>Q'ty</td></tr></table>						2	ANT01-02B	body	TPE	Black,L=10.0mm	1	1	SMA084-G8MR-ANT	RP- SMA plug	Cu	Au Plating	1	No.	Part Number	Name	Material	Finish	Q'ty	A
2	ANT01-02B	body	TPE	Black,L=10.0mm	1																				
1	SMA084-G8MR-ANT	RP- SMA plug	Cu	Au Plating	1																				
No.	Part Number	Name	Material	Finish	Q'ty																				
1	2	3	4	5	6	7	8																		



Tengxiang Electronics Co., Ltd.

TITLE: 2.4GHz Antenna SMA公头母针

PART NO.: AN2400-0104RS-B

CUSTOMER P/N: /

APP BY

CHK BY

RF BY

DES BY



Tolerance

YCX

WJ

RF

dwf

UNITS: mm

X.X ±0.5

2023.02.23

2023.02.23

2023.02.23

2023.02.23

SCALE: 1/1

X.XX ±0.2

REVISION: A

X° ±1

產品包裝規範

PACKING CRITERION

Date: 2023.02.23

Page: 1 of 1

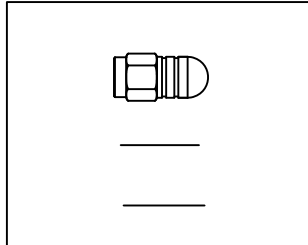
Part Number : AN2400-0104RS-B

Revision : A

Name: 2.4GHz Antenna

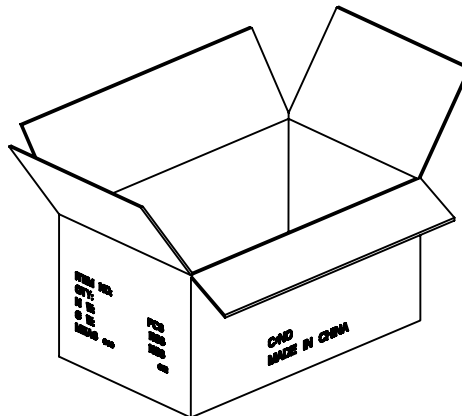
Customer : ALL

1 . Enter PE bag。



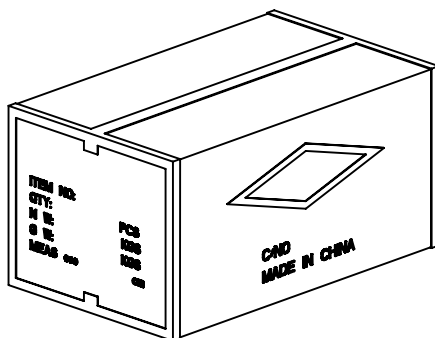
100pcs/ PE bag

2.PACKING 。

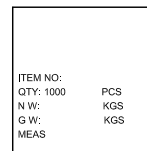


4000pcs/BOX

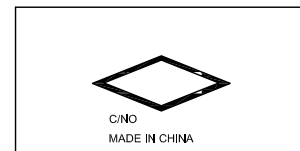
3. SEALING。



SIDE



FRONT



APPROVED BY : YCX

CHECKED BY : WJ

DESIGNED BY : DWF