



# Tengxiang Technology.Inc

东莞市腾祥电子有限公司

Product Number: AN2400-02BC14SM-B

Product Name: Antenna

## Specification For Approval

Date: 2024.1.10

Version: 1.0

客户名称

Customer:

神牛

客户料号

Customer P/N:

122-10100-002

腾祥料号

TX P/N:

AN2400-02BC14SM-B

规格描述

Description:

2.4G 黑色天线 RG178 线 SMA Plug (公头公针)

Tengxiang Checked By: 腾祥审核		Customer Approved By: 客户审核	
DRAWN 制作	李艳坪	TESTED BY 检测	
CHECKED BY 审核	胡超	CHECKED BY 审核	
Q.C.DEPT. 品管	袁旭阳	Q.C.DEPT. 品管	
APPROVED BY 核准	韦佳	APPROVEDBY 核准	



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## Revision History (变更履历)

Revision	Date	Change Notification	Description
1.0	2024.1.10	初版	

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## 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	2.4dBi
Polarization 极化方式	Linear
Impedance 阻抗	50 ohm Nominal
B. Material & Mechanical Characteristics	
Cable Type 线材规格	RG178
Connector Type 连接器规格	SMA PLUG (公头公针)
C. Environmental	
Storage Temperature 存储温度	- 35 °C ~ + 65 °C
Operation Temperature 工作温度	- 35 °C ~ + 65 °C

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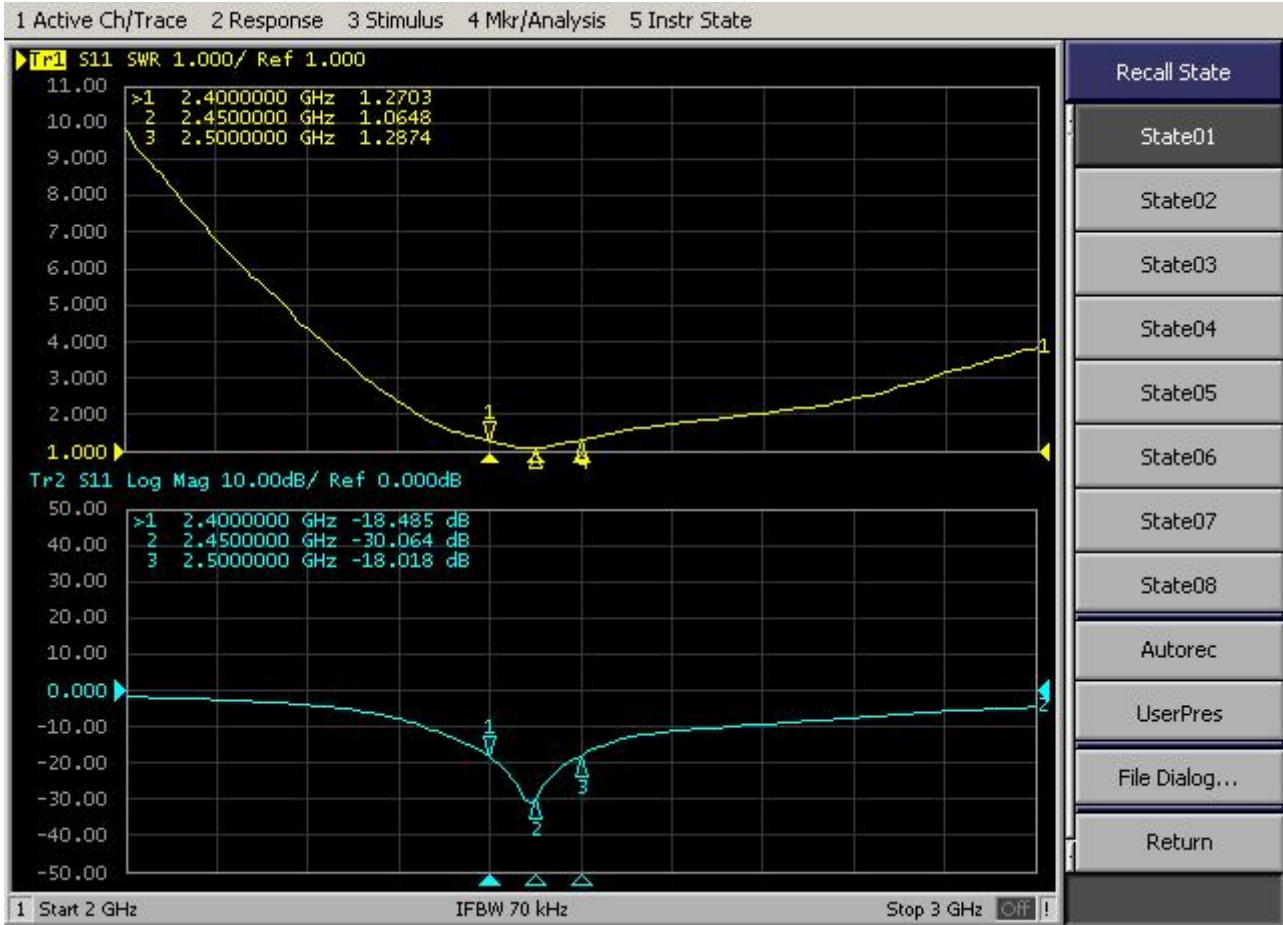
## 2. Characteristics and Reliability Test

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 Insertion Loss 插入损失	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
3 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
4 Solderability 可焊性	GB / T2423.28-2005 Temp: 260±5° C;Duration: 5 seconds 温度 260±5° C;持续 5 秒	Tin evenly on full 上锡均匀饱满	PASS
5 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.≤5% 符合待测物规范;频率偏移≤5%	PASS
6 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
7 Salt Spray 盐雾	GB / T 2423.17-2008 Temp: 35°C; RH: ≥ 95%; NaCl solution: ≥ 5%;Time: 24H 温度 35°C; 湿度≥95%;盐水浓度≥5%; 测试 24H	1. No Visual Damage 2. Frequency Tol.≤5% 无明显外观不良;频率偏移≤5%	PASS
8 RoHS	With Reference to IEC 62321:2008 with flow chart 参考 IEC 62321 测试流程	Directive RoHS 2015/863/EU 符合 RoHS 2015/863/EU 标准	PASS

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### 3. Antenna - S Parameter Test Data

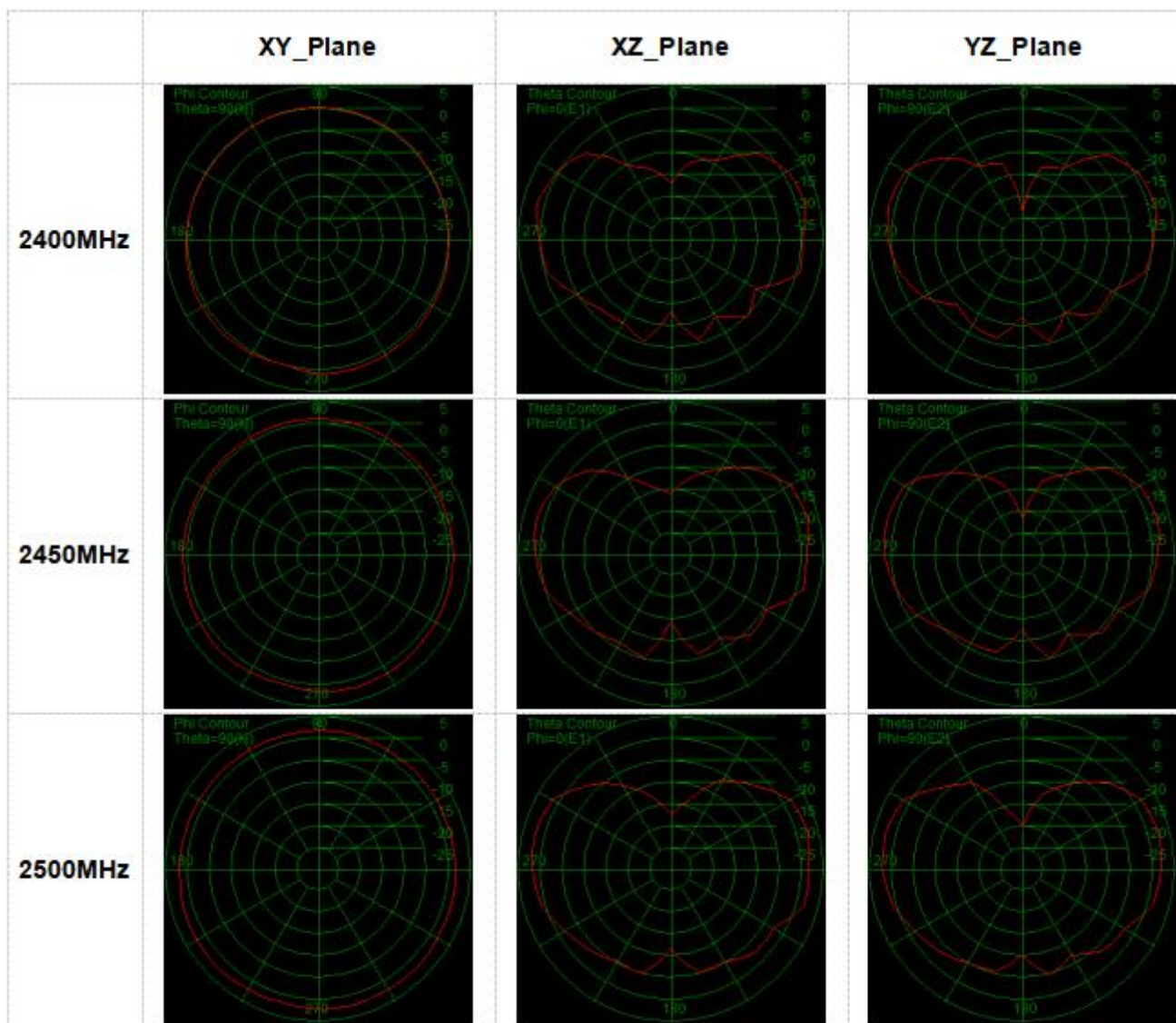
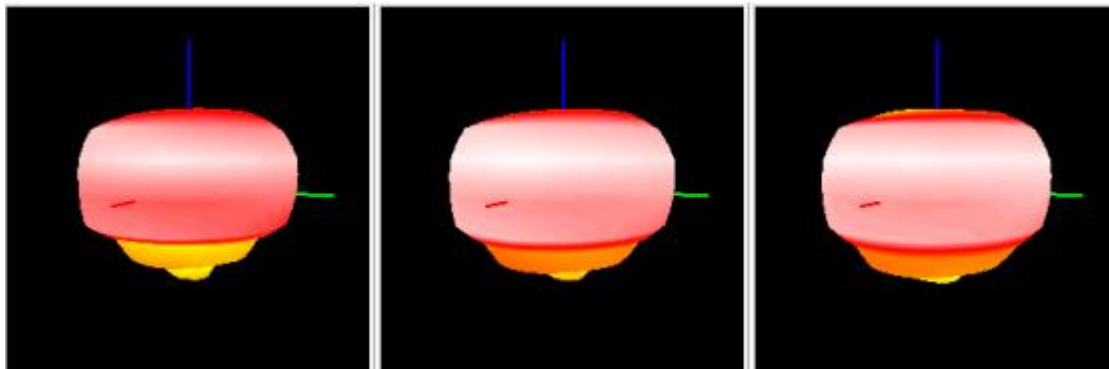


### 4. Antenna - Radiation Pattern Test Data

Frequency (MHz)	2400.0	2450.0	2500.0
Efficiency (%)	77.80	81.10	83.90
Gain (dBi)	2.20	2.40	2.61

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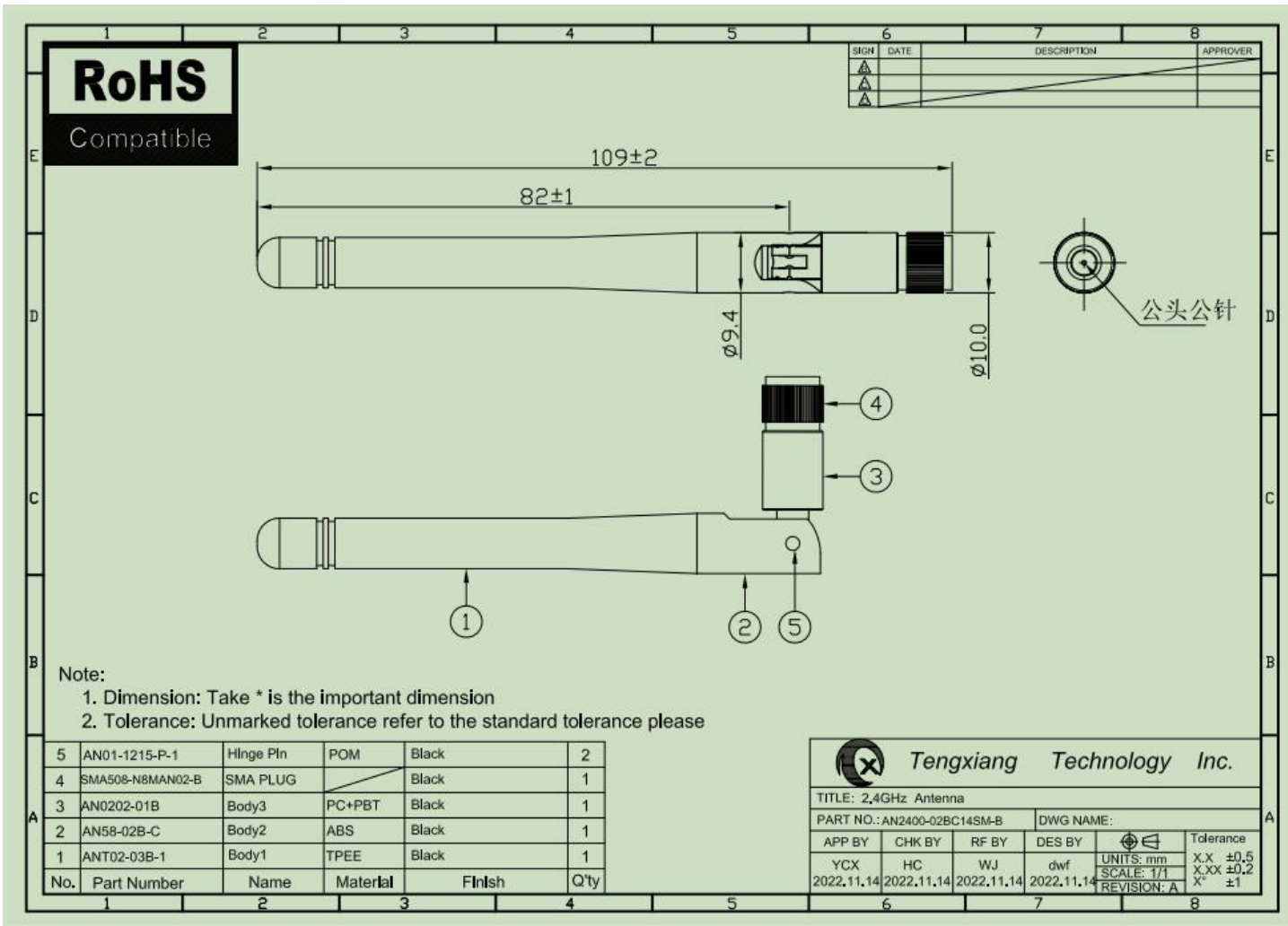
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5. Mechanical Drawing See attached files

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## 產品包裝規範

### PACKING CRITERION

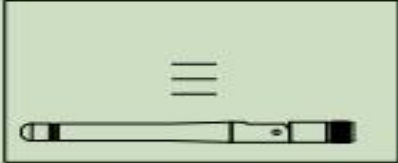
Date: 2022.11.14

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Part Number : AN2400-02BC14SM-B	Revision : A
Name: Antenna	Customer : ALL

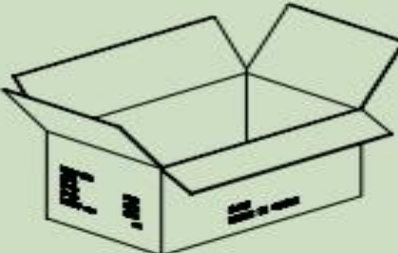
1 . Enter PE bag .



20pcs/ PE bag

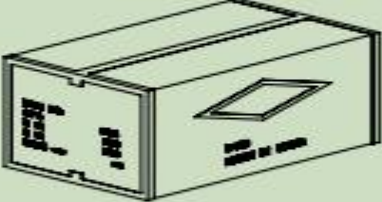
2.PACKING -




1000pcs/Carton


3. SEALING .



SIDE



FRONT



APPROVED BY : YCX

CHECKED BY : HC

DESIGNED BY : dwf