



腾祥电子
TENGXIANG ELECTRONIC

Tengxiang Technology.Inc

东莞市腾祥电子有限公司

Product Number: AN2450-SNA190153-T03

Product Name: Antenna

Specification For Approval

Date: 2025.5.15

Version: 1.0

客户名称

Customer:

九安（安冉）

客户料号

Customer P/N:

腾祥料号

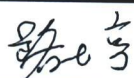
T X P/N:

AN2450-SNA190153-T03

规格描述

Description:

2.4G/5G 金属片天线

TESTED BY 检测	
TESTED BY 检测	



NO.53 Shatou ShaChong Road, ChangAn Town, Guangdong province, China

中国广东省东莞市长安镇沙头区沙涌路 53 号

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Product Number:AN2450-SNA190153-T03

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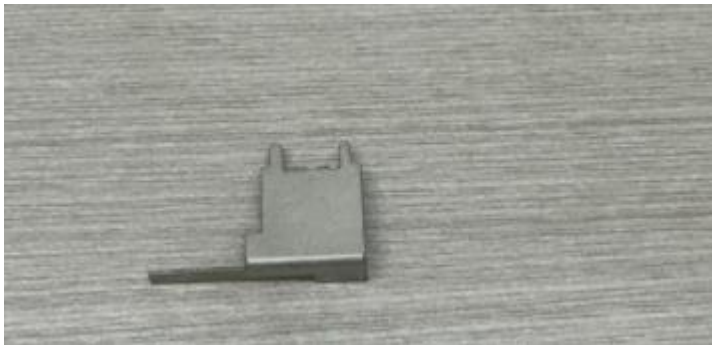
Revision History (变更履历)

Revision	Date	Change Notification	Description
1.0	2025.5.15	初版	

Product Number: AN2450-SNA190153-T03

Product Name: Antenna

1. Specification

Sample Photo	
	
A. Electrical Characteristics	
Frequency 频率	2400-2500 MHz/5150-5850MHz
S.W.R. 驻波比	参考波形
Antenna Gain 增益	1.50dBi /2.63dBi
Polarization 极化方式	Linear
Impedance 阻抗	50 Ohm
B. Material & Mechanical Characteristics	
Material 材质	洋白铜
C. Environmental	
Storage Temperature 存储温度	- 40°C ~ +80 °C
Operation Temperature 工作温度	- 40°C ~ +80 °C

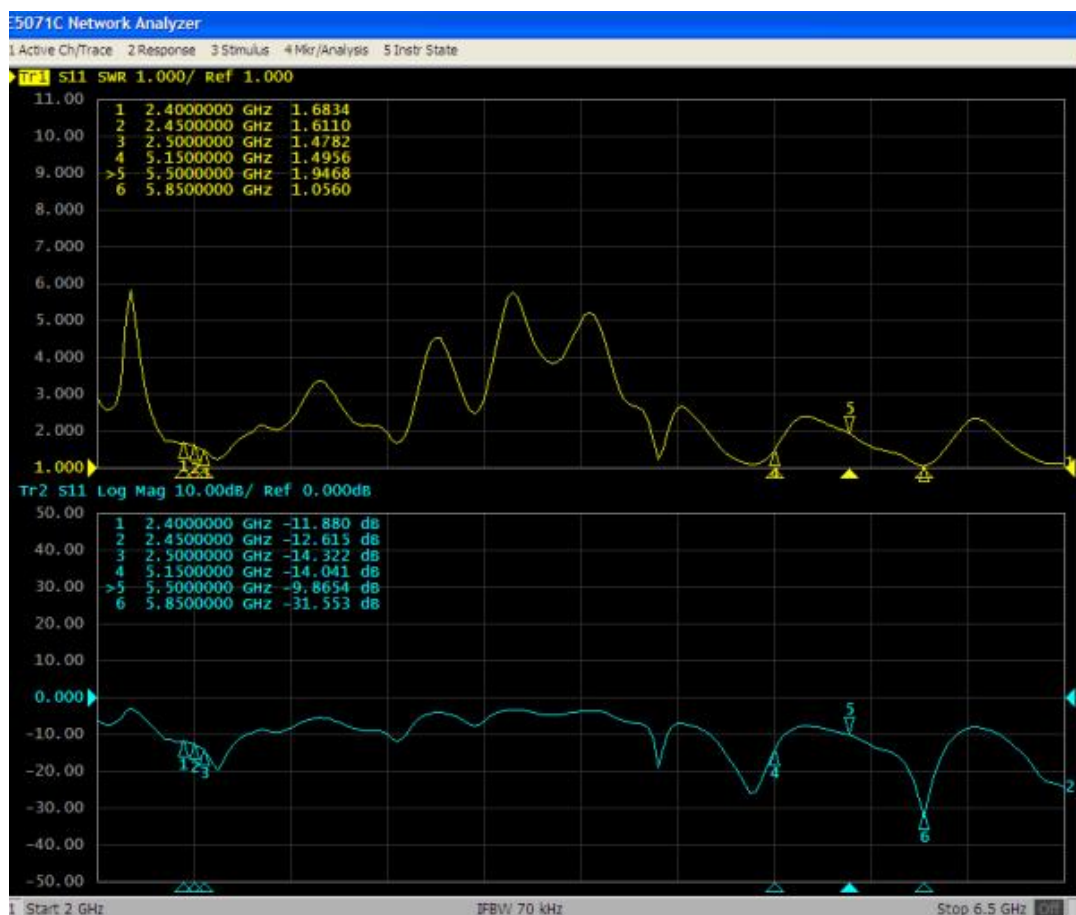
Product Number: AN2450-SNA190153-T03

Product Name: Antenna

2. Characteristics and Reliability Test

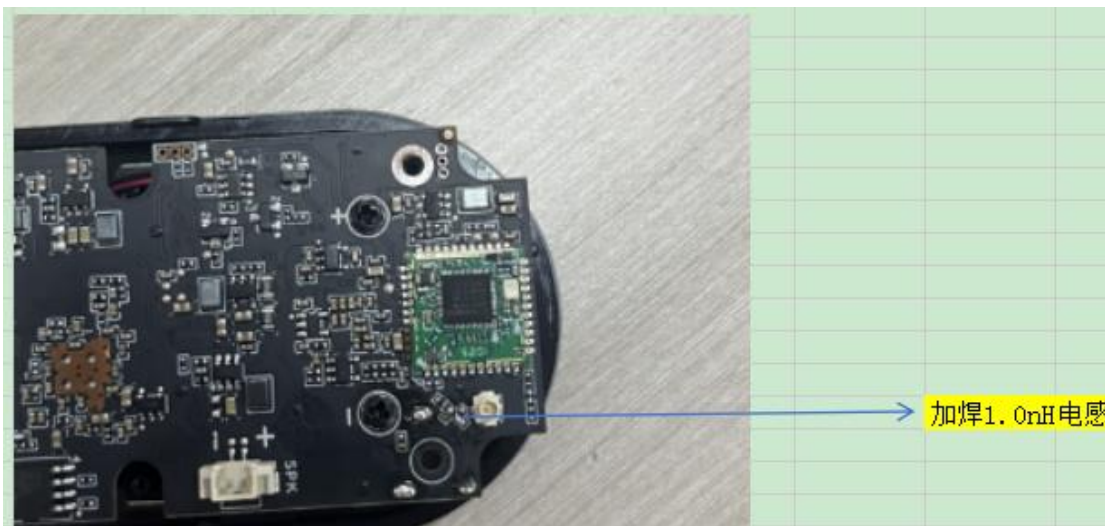
Test Items 测试项目	Test Condition and Procedure 测试方法	Requirements 要求	Result 结果
1 V.S.W.R. 电压驻波比	Set DUT on Network Analyzer; make individual calibration to test 设置网络分析仪参数进行测试	Directive DUT specification 符合待测物规范	PASS
3 Antenna Gain 天线增益	Set DUT on Antenna Chamber; make individual calibration to test 设置天线暗室参数进行测试	Directive DUT specification 符合待测物规范	PASS
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
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

3. Antenna - S Parameter Test Data



Product Number: AN2450-SNA190153-T03

Product Name: Antenna



4. Antenna - Radiation Pattern Test Data

Frequency ID	1	2	3	4	5	6	7	8	9	10	11
Frequency (MHz)	2400.0	2410.0	2420.0	2430.0	2440.0	2450.0	2460.0	2470.0	2480.0	2490.0	2500.0
Gain (dBi)	1.22	1.28	1.39	1.46	1.50	1.50	1.42	1.36	1.29	1.25	1.22
Efficiency (%)	40.55	41.58	42.31	43.11	44.61	45.07	44.51	43.54	43.29	42.25	41.67

12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
5150.0	5200.0	5250.0	5300.0	5350.0	5400.0	5450.0	5500.0	5550.0	5600.0	5650.0	5700.0	5750.0	5800.0	5850.0
2.25	2.31	2.41	2.40	2.50	2.53	2.59	2.61	2.63	2.54	2.45	2.36	2.33	2.26	2.22
56.73	56.04	57.13	57.55	57.80	58.09	58.31	58.63	58.78	58.39	57.58	57.24	56.45	55.78	55.06

Product Number: AN2450-SNA190153-T03

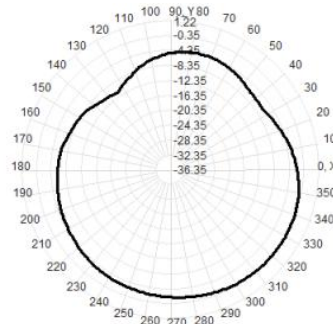
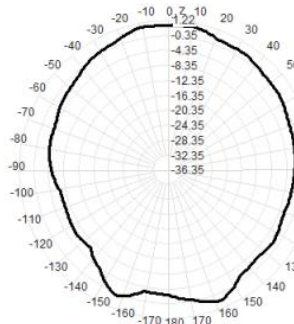
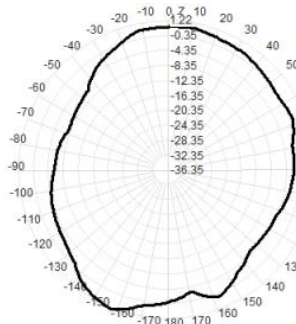
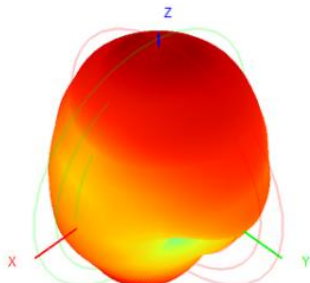
Product Name: Antenna

XZ

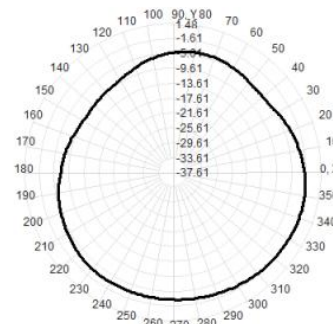
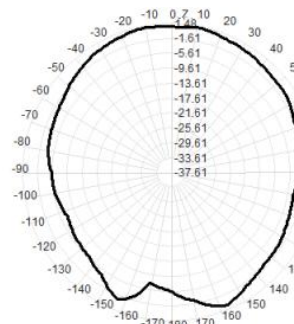
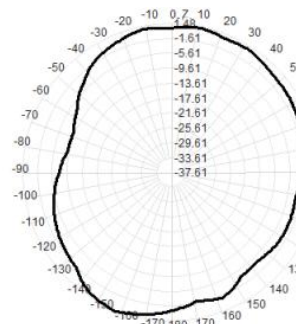
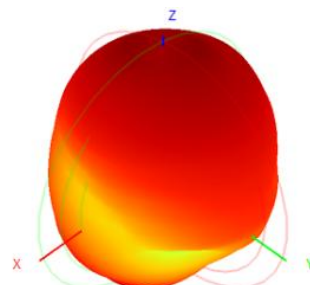
YZ

XY

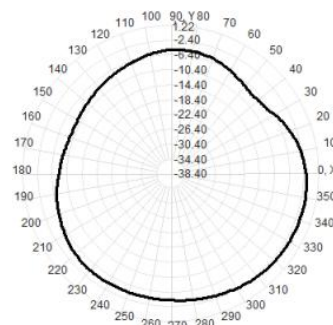
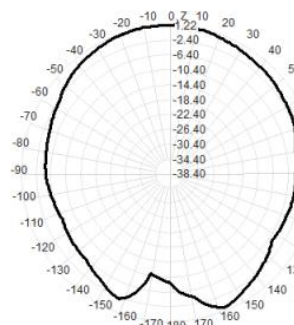
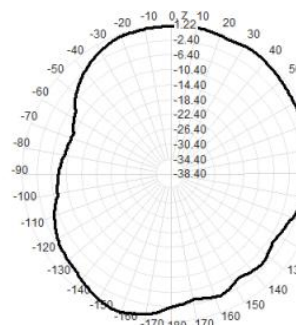
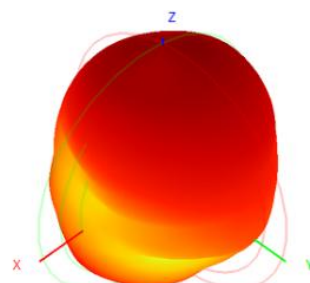
2400MHz



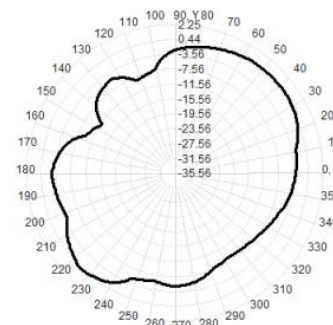
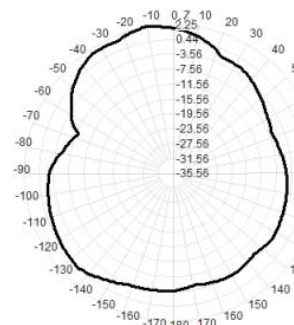
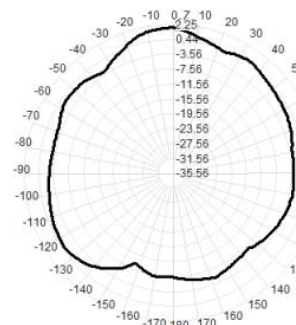
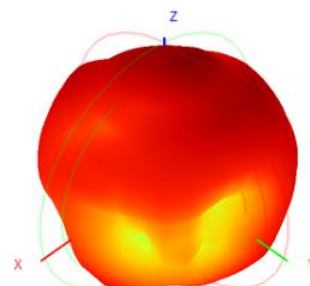
2450MHz



2500MHz



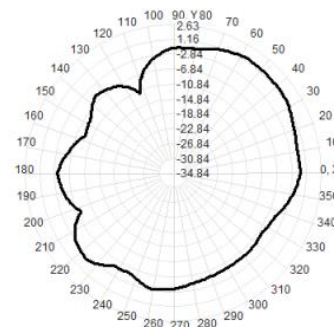
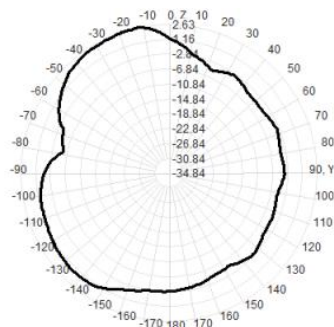
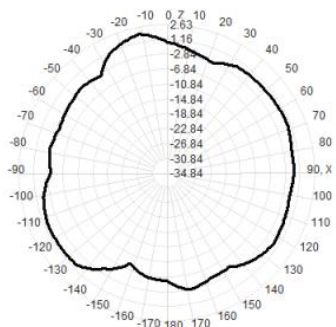
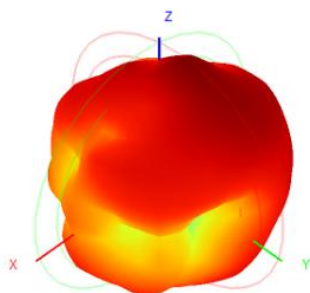
5150MHz



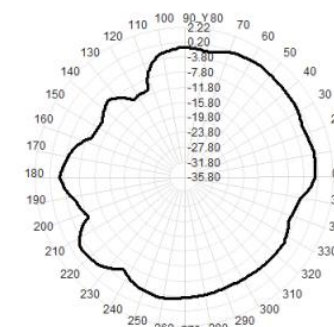
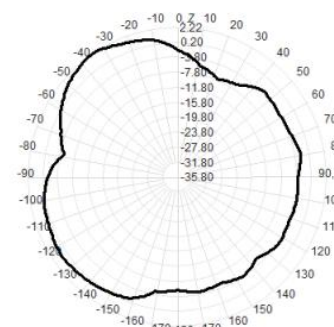
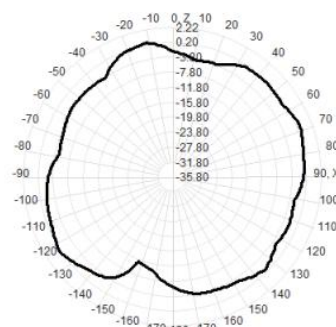
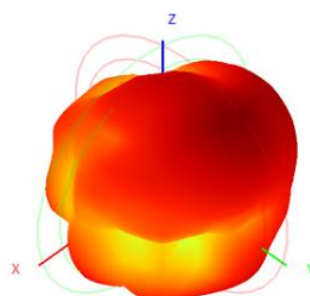
Product Number:AN2450-SNA190153-T03

Product Name: Antenna

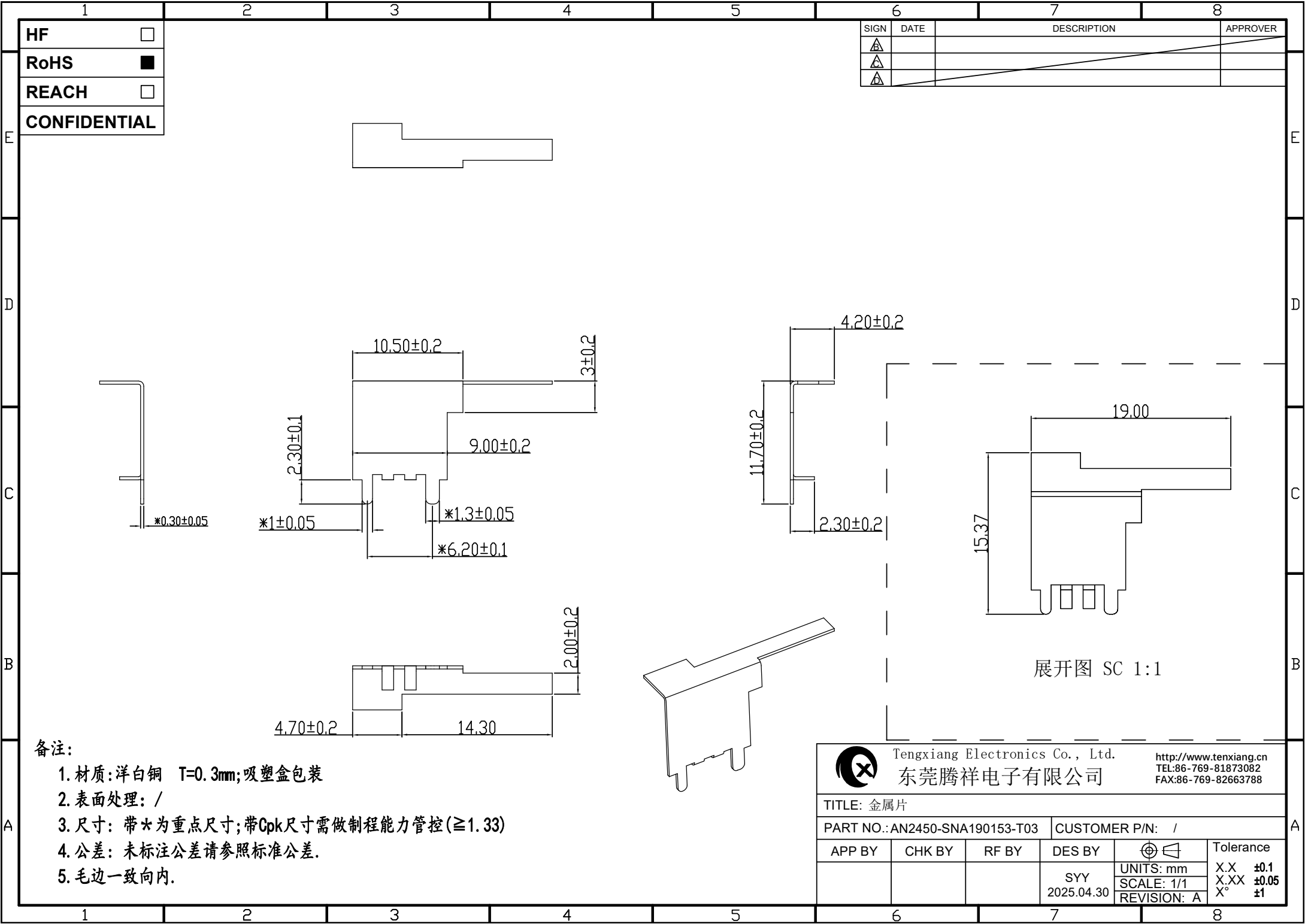
5550MHz



5850MHz



5. Mechanical Drawing See attached files



HF ☐
RoHS ☒
REACH ☐
CONFIDENTIAL

SIGN	DATE	DESCRIPTION	APPROVER

备注:
1. 材质: 洋白铜 T=0.3mm; 吸塑盒包装
2. 表面处理: /
3. 尺寸: 带*为重点尺寸; 带Cpk尺寸需做制程能力管控(≥1.33)
4. 公差: 未标注公差请参照标准公差.
5. 毛边一致向内.

Tengxiang Electronics Co., Ltd.
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TEL: 86-769-81873082
FAX: 86-769-82663788

TITLE: 金属片			
PART NO.: AN2450-SNA190153-T03		CUSTOMER P/N: /	
APP BY	CHK BY	RF BY	DES BY
			SY 2025.04.30
		UNITS: mm SCALE: 1/1 REVISION: A	
		Tolerance X.X ±0.1 X.XX ±0.05 X° ±1	

展开图 SC 1:1

产品包装规范

PACKING CRITERION

Date: 2025.05.15

Page: 1 of 1

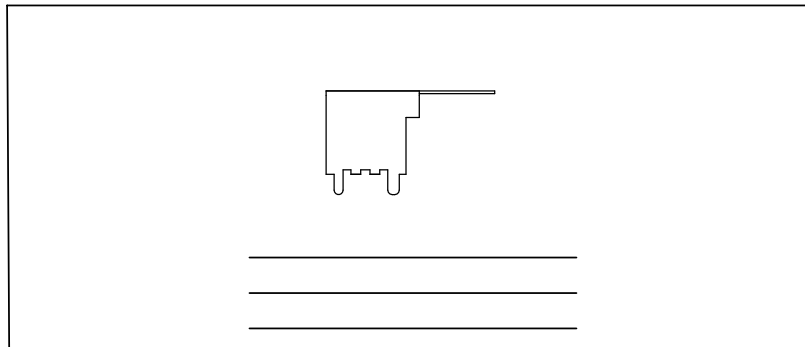
Part Number : AN2450-SNA190153-T03

Revision : A

Name: Antenna

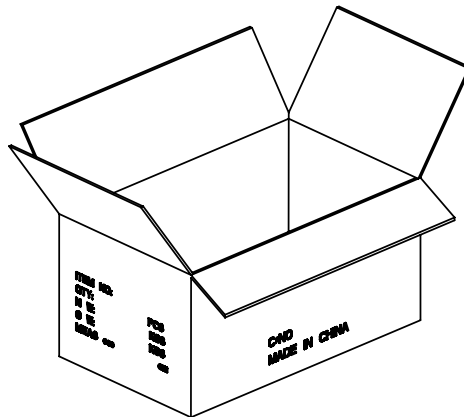
Customer : ALL

1 . Enter PE bag。



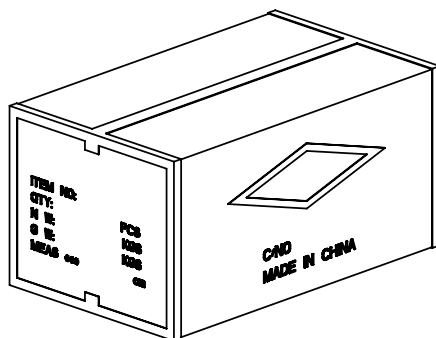
吸塑盒包装，以实际数量为准

2.PACKING。

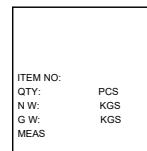


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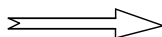
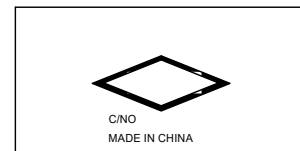
3. SEALING。



SIDE



FRONT



APPROVED BY: YCX

CHECKED BY: HC

DESIGNED BY: SY