

Product Number: AN2400-SNA176470
Product Name: Antenna

Index:

- 1. Specification (规格)
- 2. Characteristics and Reliability Test (产品特性和可靠性测试标准)
- 3. Antenna - S Parameter Test Data (样品测试数据)
- 4. Antenna - Radiation Pattern Test Data (辐射模式测试数据)
- 5. Mechanical and Packing Drawing (图纸包装规范)

Revision History (变更履历)

Revision	Date	Change Notification	Description
1.0	2022.6.25	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	对比波形
Antenna Gain 增益	1.59 dBi
Polarization 极化方式	Linear
Impedance 阻抗	50 Ohm
B. Material & Mechanical Characteristics	
Cable Type 线材规格	洋白铜
Connector Type 连接器规格	/
C. Environmental	
Storage Temperature 存储温度	- 40°C ~ +80 °C
Operation Temperature 工作温度	- 40°C ~ +80 °C

Product Number: AN2400-SNA176470

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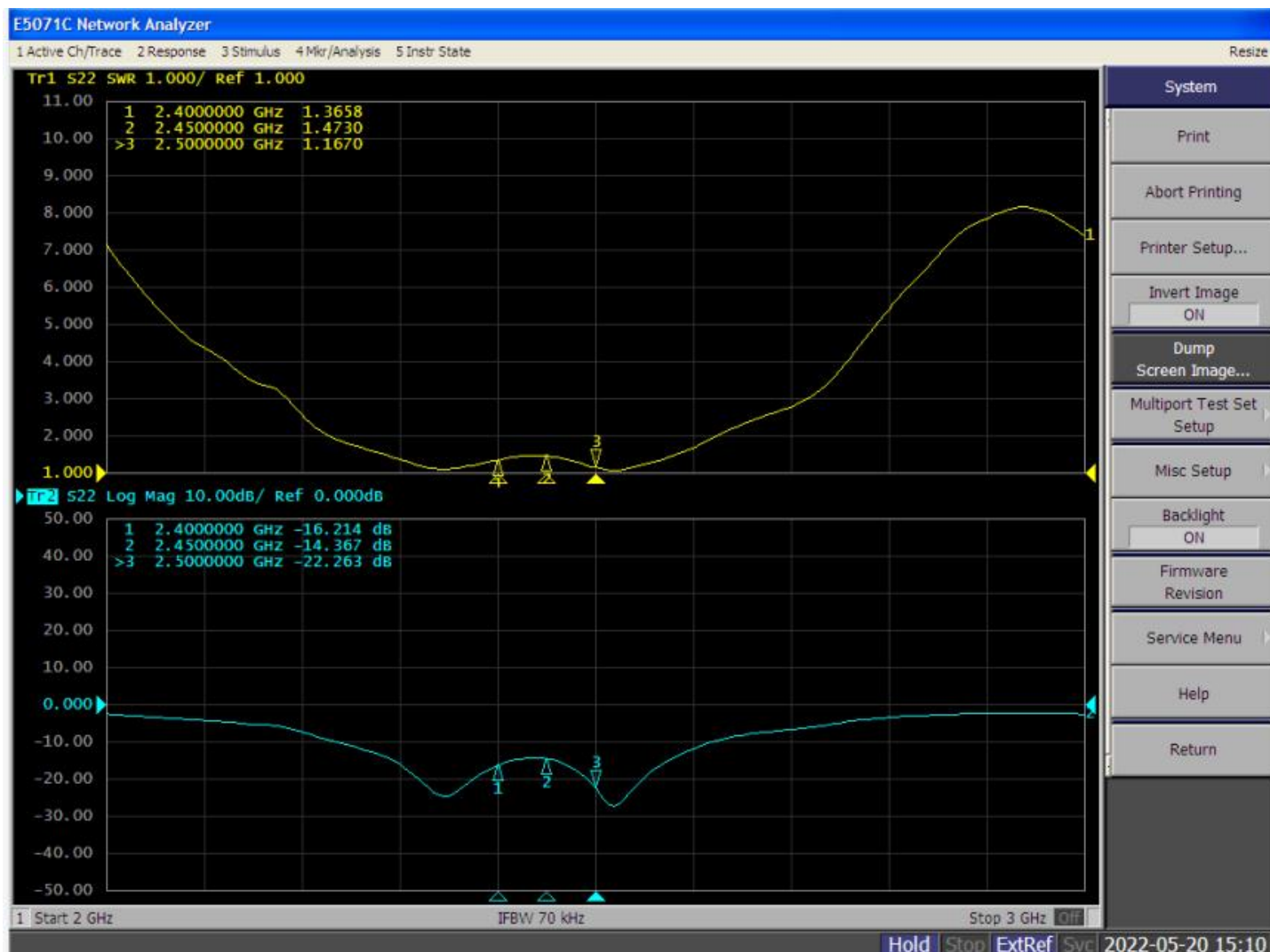
2. Characteristics and Reliability Test

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: $260 \pm 5^{\circ}\text{C}$; Duration: 5 seconds 温度 $260 \pm 5^{\circ}\text{C}$; 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. $\leq 5\%$ 符合待测物规范; 频率偏移 $\leq 5\%$	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: $\geq 95\%$; 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	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

Product Number: AN2400-SNA176470

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3. Antenna - S Parameter Test Data

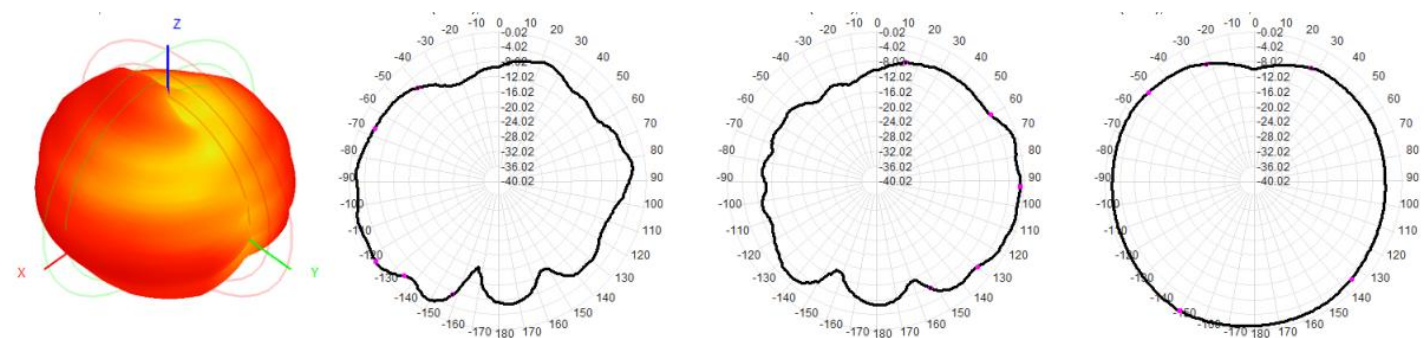


4. Antenna - Radiation Pattern Test Data

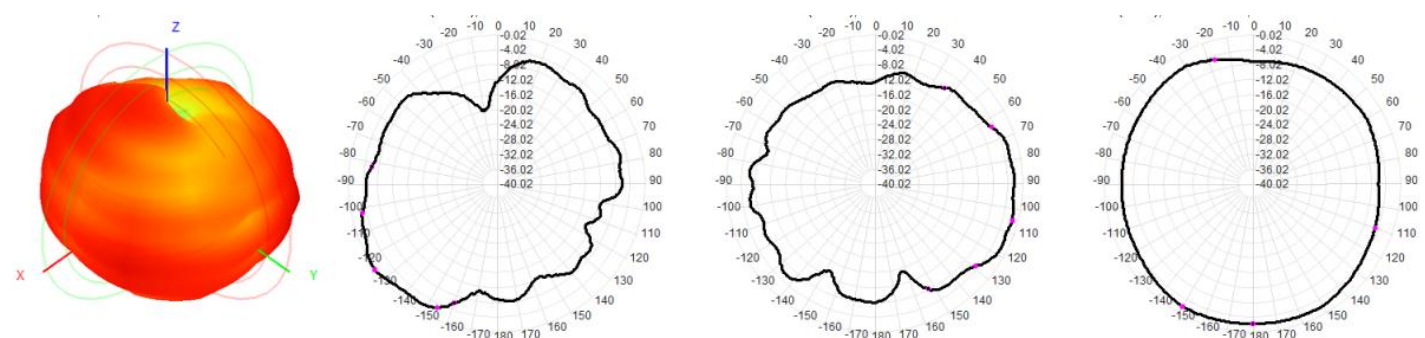
Frequency ID	1	2	3	4	5	6	7	8	9	10	11
Frequency (MHz)	2400.0	2410.0	2420.0	2430.0	2440.0	2450.0	2460.0	2470.0	2480.0	2490.0	2500.0
Gain (dBi)	1.04	1.30	1.39	1.58	1.24	1.02	1.10	1.16	1.32	1.59	1.02
Efficiency (%)	43.94	42.05	41.72	40.84	43.10	43.54	42.91	42.15	43.67	42.99	42.31

Product Number: AN2400-SNA176470
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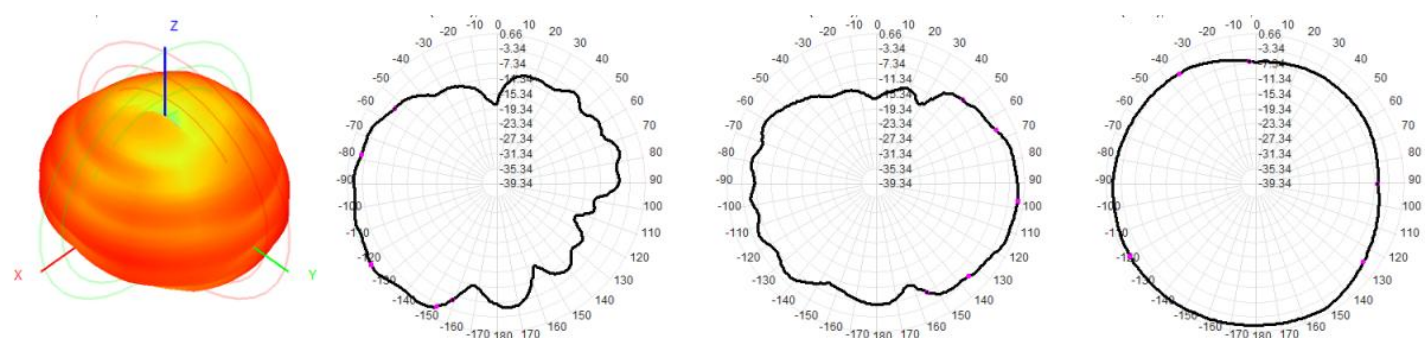
2400MHz



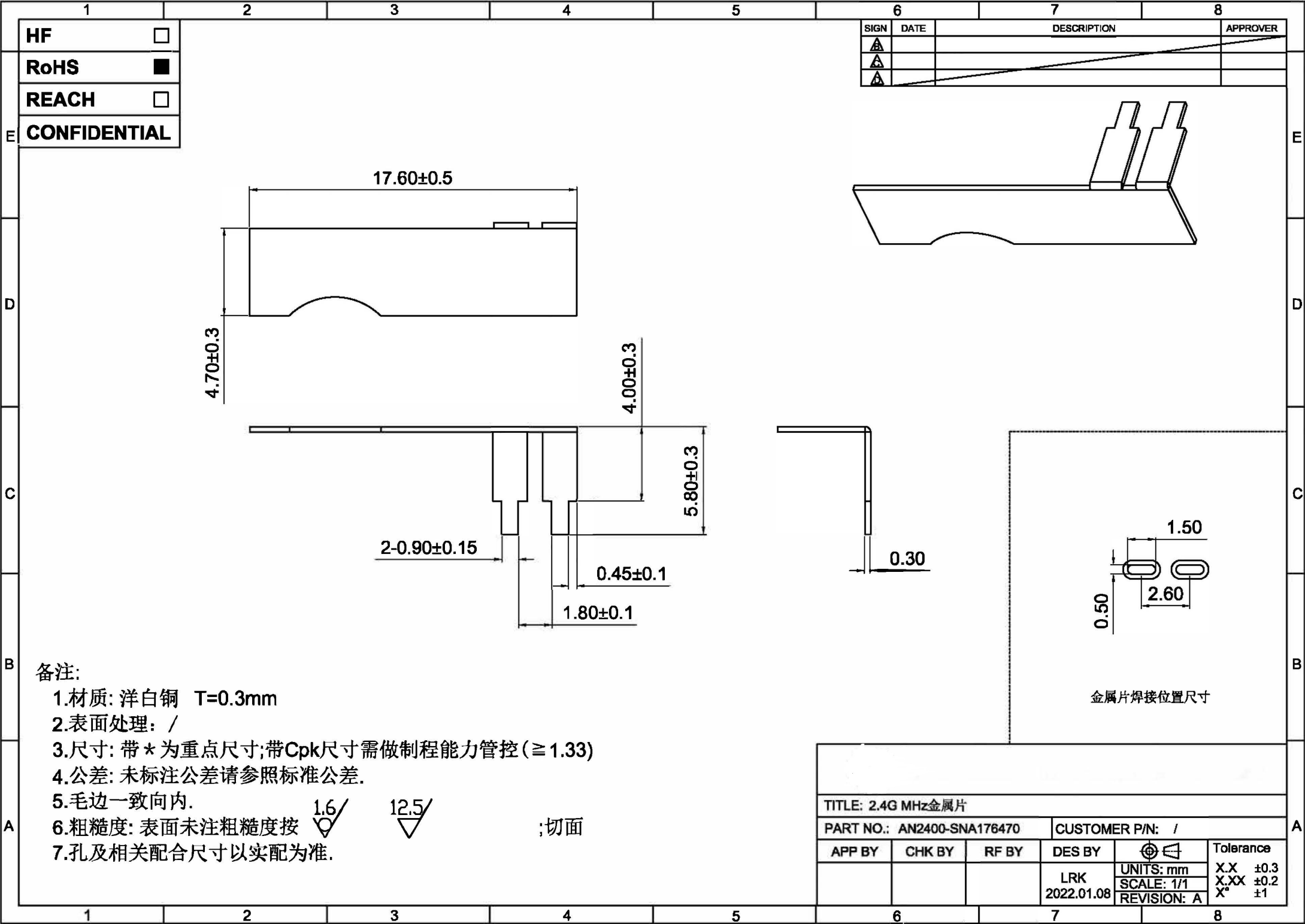
2450MHz



2500MHz



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
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.
6.粗糙度: 表面未注粗糙度按 $\sqrt{1.6}$ $\sqrt{12.5}$;切面
7.孔及相关配合尺寸以实配为准.

TITLE: 2.4G MHz金属片					
PART NO.: AN2400-SNA176470				CUSTOMER P/N: /	
APP BY	CHK BY	RF BY	DES BY		Tolerance
			LRK 2022.01.08	UNITS: mm SCALE: 1/1 REVISION: A	X.X ±0.3 X.XX ±0.2 X° ±1

產品包裝規範

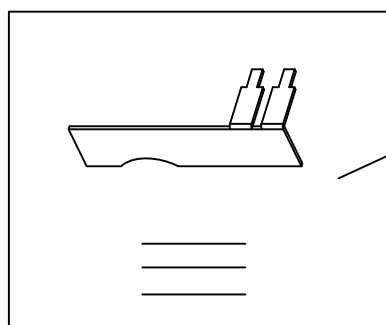
PACKING CRITERION

Date: 2022.06.25

Page: 1 of 1

Part Number AN2400-SNA176470	Revision : A
Name: Antenna	Customer : ALL

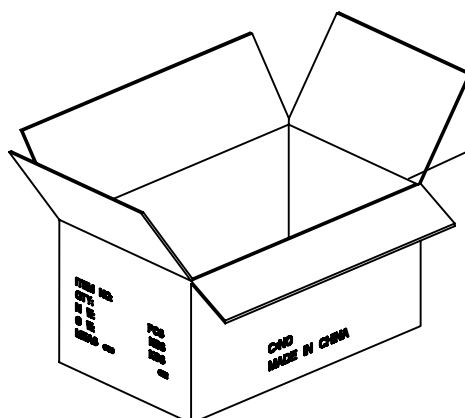
1 . Enter PE bag。



吸塑包装

(具体以实际包装)

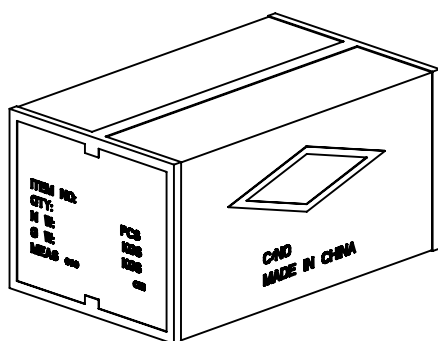
2.PACKING。



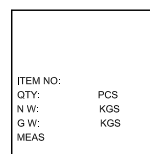
纸箱包装

(具体以实际包装)

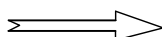
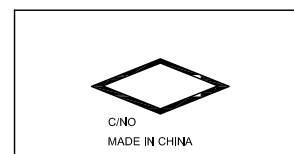
3. SEALING。



SIDE



FRONT



APPROVED BY: YCX

CHECKED BY: HC

DESIGNED BY: LRK