

表单编号:

承认书封面

客户名称	东莞市福茂智能技术有限公司		
物料编码	E1300000129		
机型	BM06A-V 摄像头		
供应商名称	东莞市腾祥电子有限公司		
物料名称	天线		
物料规格	PCB+900M PCB 型号: AN0915-PCB814796075 硬板.5*81.5*1.0MM+/-0.1MM+TX		
是否符合 RoHS 标准	是		
日期	2023.9.5		
供应商	东莞市腾祥电子有限公司 (供应商盖章处)		
供应商地址	广东省东莞市长安镇沙头社区沙涌路 53 号		
联系人	袁廷旭		
电话	13649807086		
福茂确认	研发	工程	采购
	品质	业务	

Tengxiang Electronics Co., Ltd.

No. 53 Shachong Road, Shatou, Chang'an Town, Dongguan, Guangdong, China



Tengxiang Electronics Co., Ltd.

东莞市腾祥电子有限公司

Product Number: AN0915-PCB814796075

Product Name: Antenna

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Revision History (变更履历)

Revision	Date	Change Notification	Description
1.0	2023.9.5	初版	

Product Number: AN0915-PCB814796075

Product Name: Antenna

1. Specification

Sample Photo	
	
A. Electrical Characteristics	
Frequency 频率	902-928 MHz
S.W.R. 驻波比	<= 2.0
Antenna Gain 增益	0.32dBi
Polarization 极化方式	Linear
Impedance 阻抗	50 Ohm
B. Material & Mechanical Characteristics	
Cable Type 线材规格	OD1.13mm ,Black
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: AN0915-PCB814796075

Product Name: Antenna

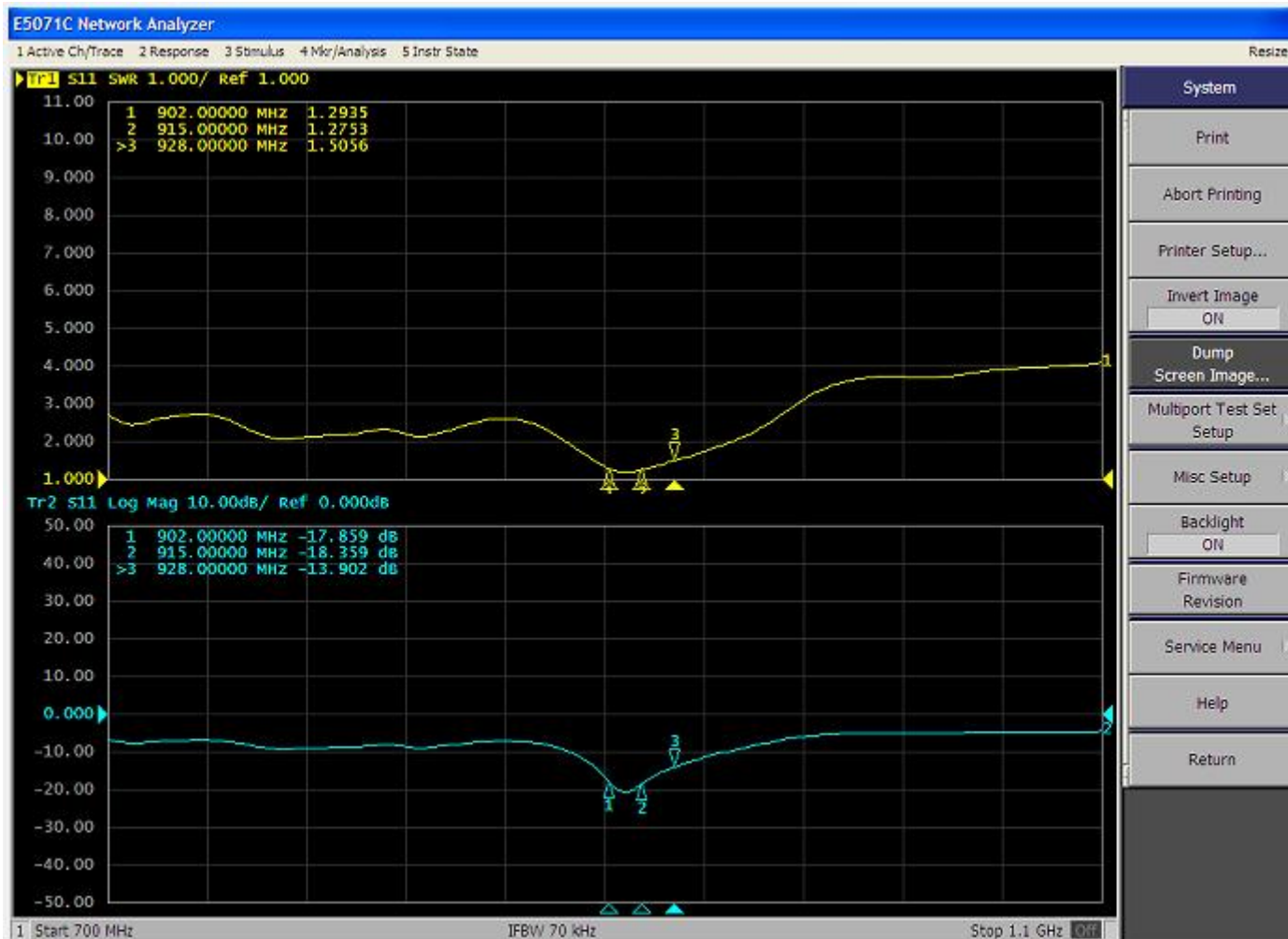
2. Characteristics and Reliability Test

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 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

Product Number: AN0915-PCB814796075

Product Name: Antenna

3. Antenna - S Parameter Test Data



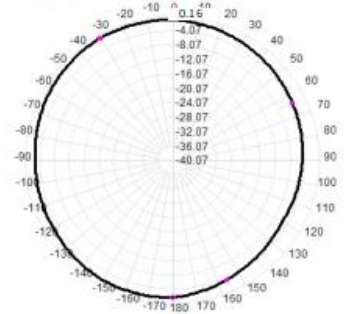
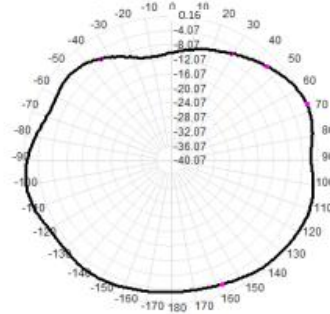
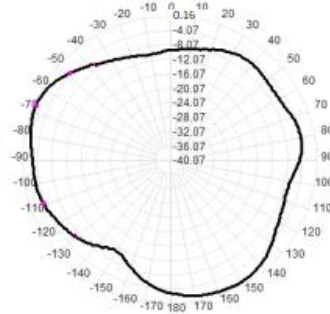
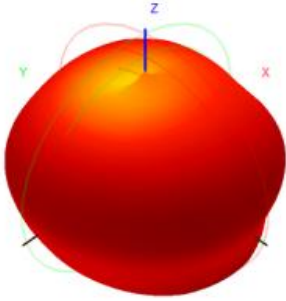
4. Antenna - Radiation Pattern Test Data

Frequency ID	1	2	3	4	5	6	7	8	9	10	11	12	13	14
Frequency (MHz)	902.0	904.0	906.0	908.0	910.0	912.0	914.0	916.0	918.0	920.0	922.0	924.0	926.0	928.0
Gain (dBi)	0.16	0.25	0.32	0.31	0.24	0.24	0.21	0.14	0.06	0.03	0.06	0.13	0.23	0.29
Efficiency (%)	48.80	49.07	49.66	50.04	49.35	49.18	48.41	47.41	46.88	47.43	46.94	46.68	46.53	46.38

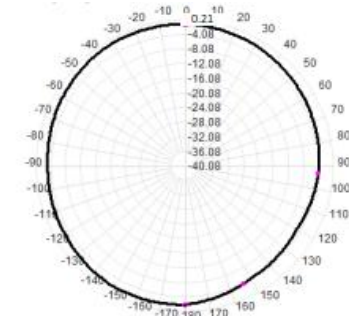
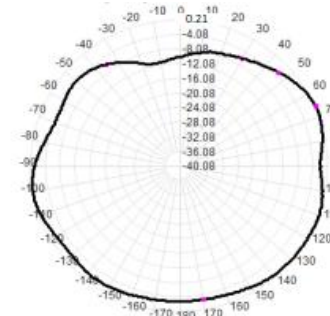
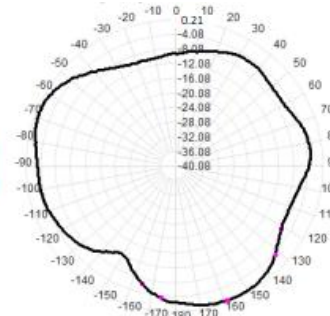
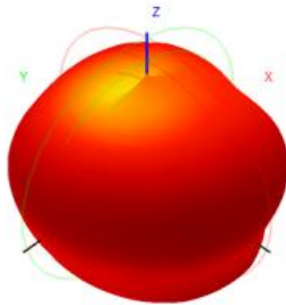
Product Number: AN0915-PCB814796075

Product Name: Antenna

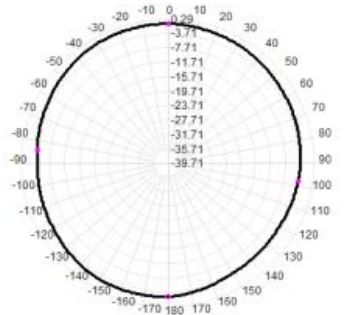
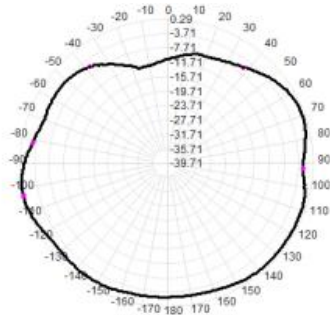
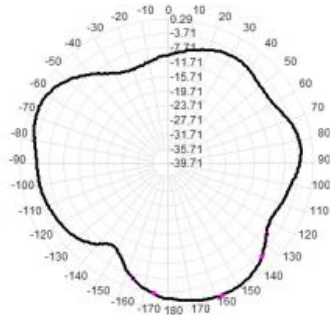
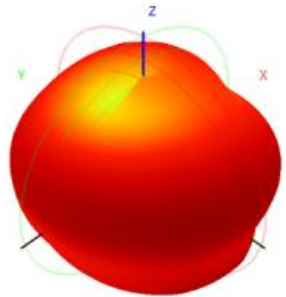
902MHz



914MHz




928MHz



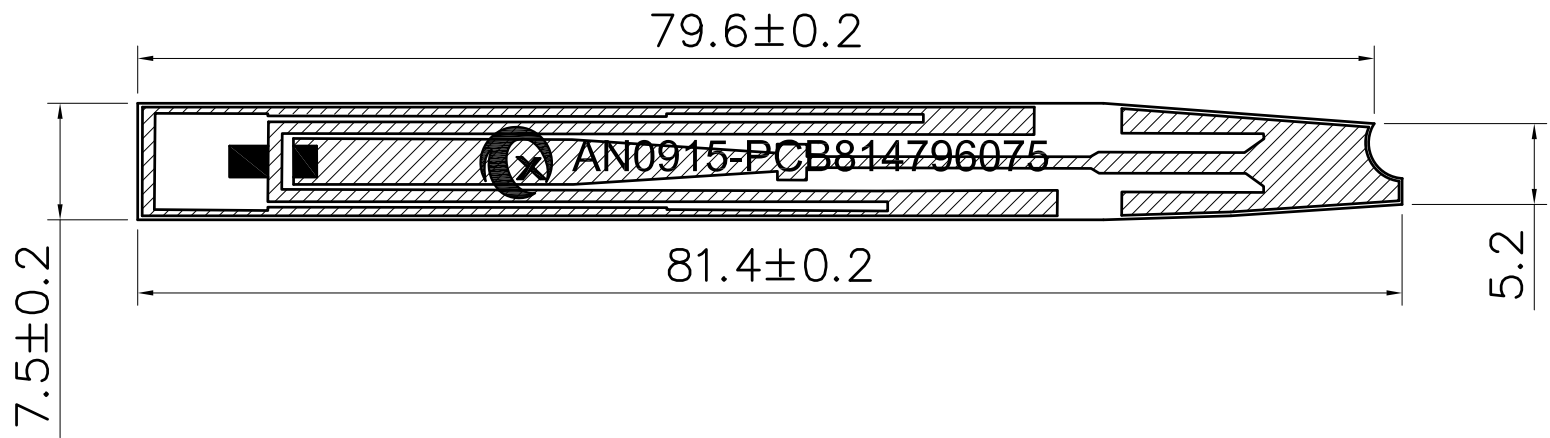
5. Mechanical Drawing See attached files

HF
 RoHS
 REACH
CONFIDENTIAL

SIGN	DATE	DESCRIPTION	APPROVER
△			
△			
△			

 焊接區 (OSP)


 布線區



备注:

- 1.材质: PCB(FR4) T=0.8mm
- 2.颜色/表面处理: 过绿油;白色印字
- 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.

 **Tengxiang Electronics Co., Ltd.**

TITLE: 915MHz PCB					
PART NO.: AN0915-PCB814796075				CUSTOMER P/N: /	
APP BY	CHK BY	RF BY	DES BY	 Tolerance X.X ±0.10 X.XX ±0.05 X° ±1	
WJ	YCX	HC	SY		
2023.9.4	2023.9.4	2023.9.4	2023.9.4		
				UNITS: mm	
				SCALE: 1/1	
				REVISION: A	

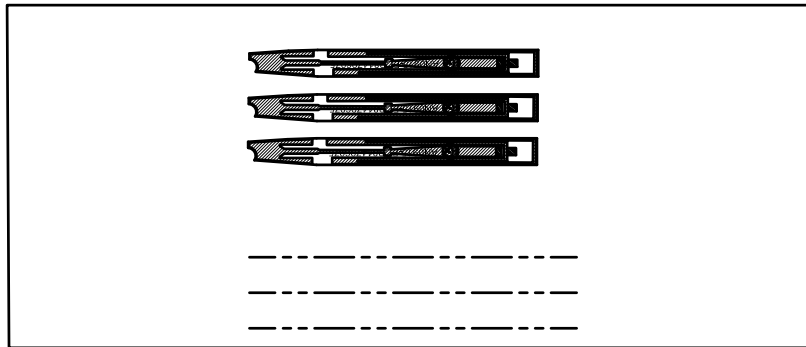
PACKING CRITERION

Date: 2023.9.4

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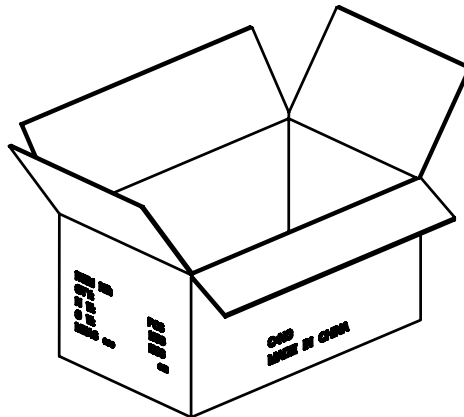
Part Number : AN0915-PCB814796075	Revision : A
Name: Antenna	Customer : ALL

1 . Enter PE bag。



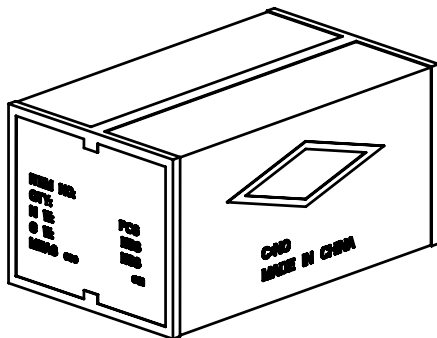
100pcs/ PE bag

2.PACKING。

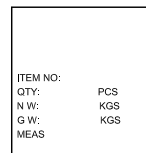


8000pcs/Carton

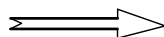
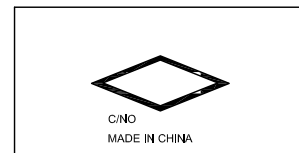
3. SEALING。



SIDE



FRONT



APPROVED BY: YCX

CHECKED BY: DWF

DESIGNED BY: SY Y