



广东恩威视科技有限公司

Guangdong Envision Technology Limited

物料承认书

文件编号:RD-ACK-RC ___ - ___ 版本: ___

ComponentItem 物料编号	
PartName 物料名称	2.4G 天线
Specification 物料规格	AN2400-155F01SM-B 黑色天线,SMA 公头公针
有害环境物质管理要求 (依照最新法规公布实施的 管控标准和清单执行)	<input checked="" type="checkbox"/> RoHS 2.0(2011/65/EU) <input type="checkbox"/> REACH <input type="checkbox"/> CP65 (加州 65) <input type="checkbox"/> CPSIA <input type="checkbox"/> ASTM F963 <input type="checkbox"/> EN71 <input type="checkbox"/> MSDS <input type="checkbox"/> TSCA <input type="checkbox"/> 其它:
Datasheet 物料规格书	

COMPANY APPROVED 本厂承认

Approved By 批准:	Checked By 审核:	Compile By 编制:
Data 日期: 年 月 日	Data 日期: 年 月 日	Data 日期: 年 月 日

SUPPLIER CONFIRMED 供应商确认

有害环境物质测试报告编号:	NGBEC2001105102 ,CANEC2022723601 ,SZXEC2003 012903 ,DTIBW20200073-2-3E,DTIBW20200073-1-3E, C200703051004,CANML2020258403 ,CANML2020258 404 ,CANML2020258401 ,CANML2020258402
供应商签名/公章:	东莞市海恒电子科技有限公司

变更履历表

版本	变更内容	工程师确认	审核/日期	批准/日期
1	新版发行	/	/	/
2				
3				
4				
5				

供应商对已承认物料做出工程变更或原料变更时，必须要本公司重新承认

Product Number:AN2400-155F01SM-B
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	2025.2.22	初版	

Product Number:AN2400-155F01SM-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	2.40 dBi
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	RG178
Connector Type 连接器规格	SMA PIUG
C. Environmental	
Storage Temperature 存储温度	- 40 °C ~ +80 °C
Operation Temperature 工作温度	- 40 °C ~ +80 °C

Product Number:AN2400-155F01SM-B

Product Name: Antenna

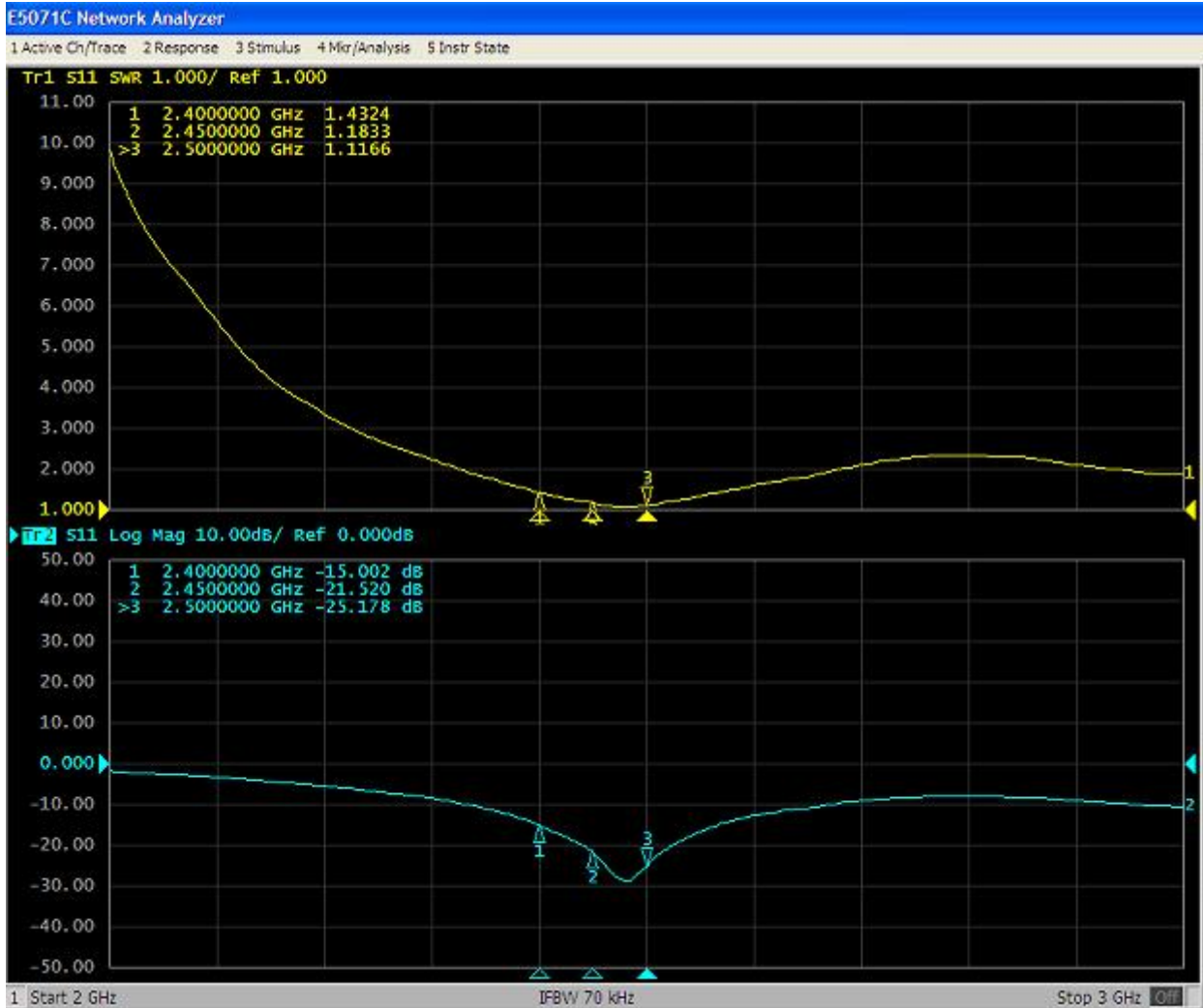
2. Characteristics and Reliability Test

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.≤5% 符合待测物规范;频率偏移≤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.≤ 5% 符合待测物规范;频率偏移≤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 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
7 Temperature and Humidity Chamber 恒温恒湿	GB / T 2423.3-2006 Temp: 80°C / 12 H; -40°C / 12H RH: ≥ 90%; Time: 24H 温度 80°C 测试 12H 转-40°C 测试 12H; 湿度≥ 90%; 时间 24H	After 2 Hours Recovery 1. No Visual Damage 2. Frequency Tol.≤5% 恢复 2H 后, 无明显外观不良;频率偏移≤5%	PASS
8 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.≤5% 无明显外观不良;频率偏移≤5%	PASS
9 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

Product Number:AN2400-155F01SM-B

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
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)	2.12	2.33	2.27	2.38	2.35	2.40	2.35	2.21	2.19	2.15	2.07
Efficiency (%)	82.74	83.47	80.99	87.00	86.52	85.88	86.17	87.71	84.22	84.00	85.29

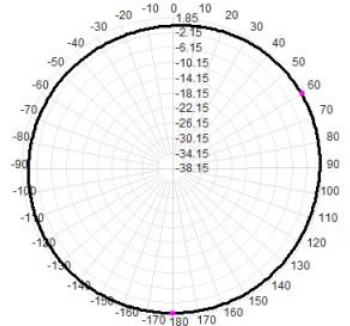
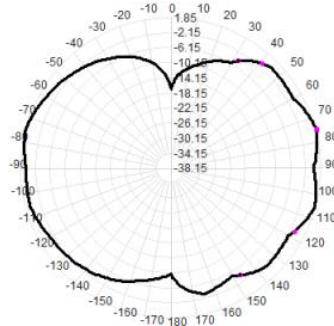
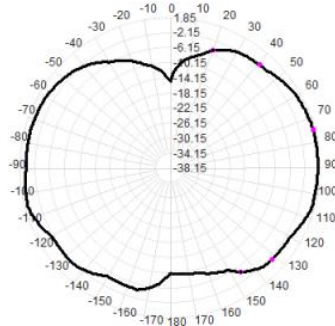
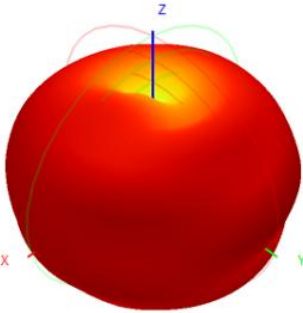
Product Number: AN2400-155F01SM-B
Product Name: Antenna

XZ

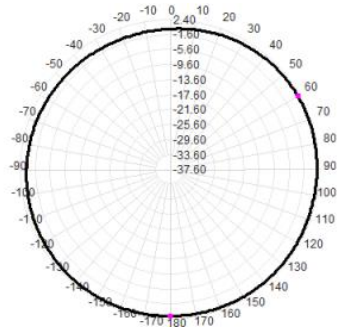
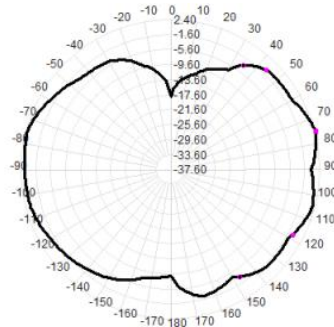
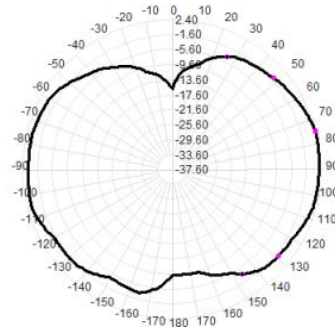
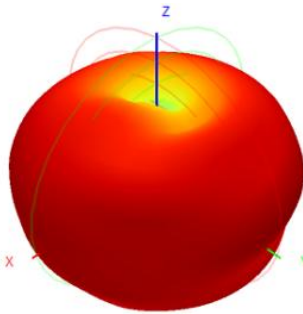
YZ

XY

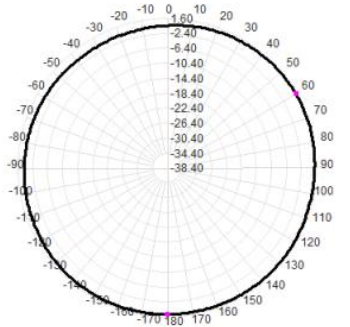
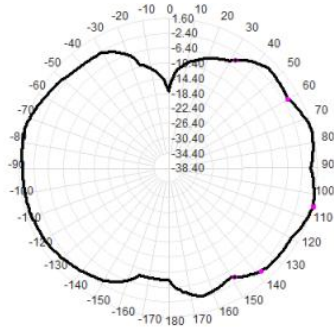
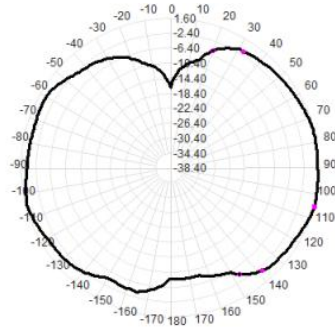
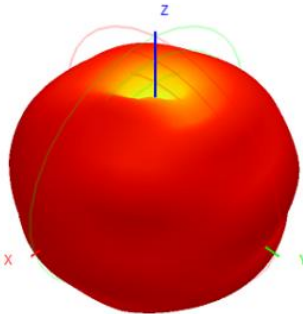
2400MHz



2450MHz



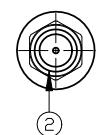
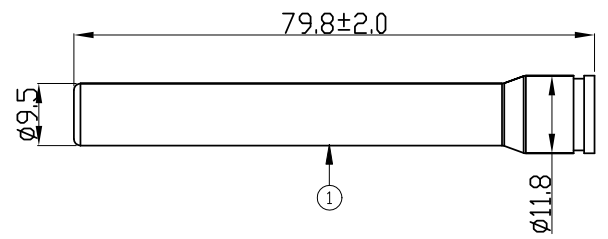
2500MHz



5. Mechanical Drawing See attached files

HF	<input type="checkbox"/>
RoHS2.0	<input checked="" type="checkbox"/>
REACH	<input type="checkbox"/>
CONFIDENTIAL	

SIGN	DATE	DESCRIPTION	APPROVER



SMA PLUG

Note:

1. Dimension: Take * is the important dimension
2. Tolerance: Unmarked tolerance refer to the standard tolerance please

东莞市海恒电子科技有限公司

TITLE: 2.4G Antenna					
PART NO.: AN2400-155F01SM-B			DWG NAME:		
APP BY	CHK BY	RF BY	DES BY		Tolerance
			DWF 2025.02.22		UNITS: mm SCALE: 1/1 REVISION: A

2	SMA085-G8MN74	SMA PLUG	Cu	Au Plated	1
1	AN155-01B	Body 1	TPE	黑色	1
No.	Part Number	Name	Material	Finish	Q'ty

產品包裝規範

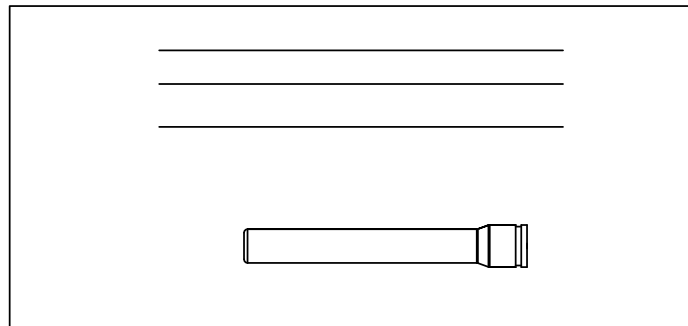
PACKING CRITERION

Date: 2025.02.22

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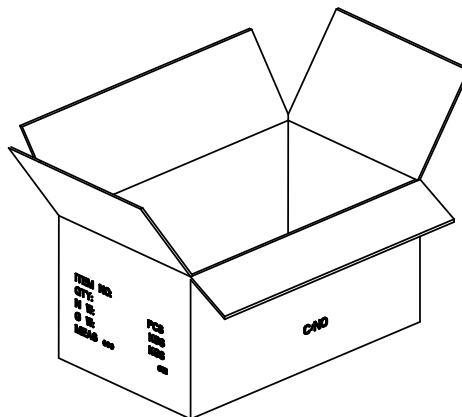
Part Number : AN2400-155F01SM-B	Revision : A
Name: Antenna	Customer : ALL

1. Enter PE bag.



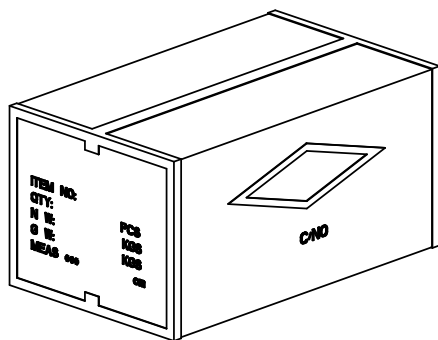
20pcs/ PE bag

2. PACKING .

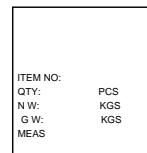


1000pcs/Carton

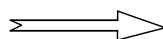
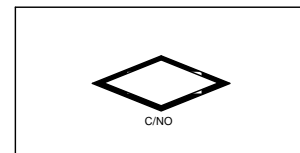
3. SEALING .



SIDE



FRONT



APPROVED BY : YCX

CHECKED BY : HC

DESIGNED BY : DWF