



承 认 书

SPECIFICATION FOR APPROVAL

规格型号: WIFI antenna/ cable length 400mm/ metal sheet with adhesive/ fourth generation head/ UB
视隆编码:

制造商/料号: XESANT12E13290

供应商: ShenZhen XinErSheng Technology Co.,Ltd

零件性质 ☒ 一般的 (STANDARD) ☐ 特别的 (指定的 or SPECIAL)

料 件 承 认 项 目 《执行标准 (参考承认 check list) 》			
承认事项		技术确认栏/时间	
外观是否符合整机要求	☐	ID 工程师:	
确认电性能, pin 定义, 功耗是否符合整机要求	☐	硬件工程师:	
确认物料是否符合整机 EMC/SAFETY/RF 要求	☐	EMC 工程师:	
参考《物料承认 check list》机构部分确认	☐	结构工程师:	
驱动等确认是否符合整机要求	☐	驱动工程师:	
Thermal 确认是否符合整机要求	☐	散热工程师:	
确认是否满足整机 BIOS/EC 要求	☐	SW 工程师:	
确认是否满足整机的系统兼容性/可靠性测试	☐	DQA 系统工程师:	
确认产品包装设计, 开发和改进	☐	包装工程师:	
环保审查记录 (适用 ROHS 指令)	☐	环保工程师:	
确认供应商外观检验标准/关键工艺	☐	SQE 工程师:	
确认是否符合客户要求	☐	项目经理 (PM):	
FAI 全尺寸报告、CPK 报告、包装方式 (package)、 单体可靠性报告等。	☐	CE 工程师:	
样品附 ☒ 研发 ☒ 品质 ☐ 采购 ☒ 供应商 ☐ 客户 ☐ 组装厂			
IQC 检验注意事项:			
版本	变更内容描述		变更日期
A	初版发行		
拟制	审核		

保存期限: 1 年



ShenZhen XinErSheng Technology Co.,Ltd

SPECIFICATION FOR APPROVAL

Customer name: 视隆

Product name: WIFI antenna/ cable length 400mm/ metal
sheet with adhesive/ fourth generation head/ UB

Customer Part
Number.: 003.WFTX012

Manufacturers of
Material: : XESANT12E13290

Deliver quantity: : 10PCS

Mark	Check	Examine and approve	Datelanded
Biao	Lisen	Amy	2025.05.14

That Customers:

Acknowledge	Check	Examine and approve	Datelanded

Admit that situation: ☒new product ☐ product shanges

Admit that project: ☐acknowledgement ☐soecimen 10PCS

Admit that conclusion: ☐reception ☐refuse

Company address: Floor 3, Building D, No.96 Lingxia Road, Fuyong Fenghuang
Fourth Industrial Zone, Baoan District, Shenzhen

Manufacturer: ShenZhen XinErSheng Technology Co.,Ltd
Phone number: 0755-33881455 Fax NO.: 0755-33233276

Email: liqinghui@xinershengant.com

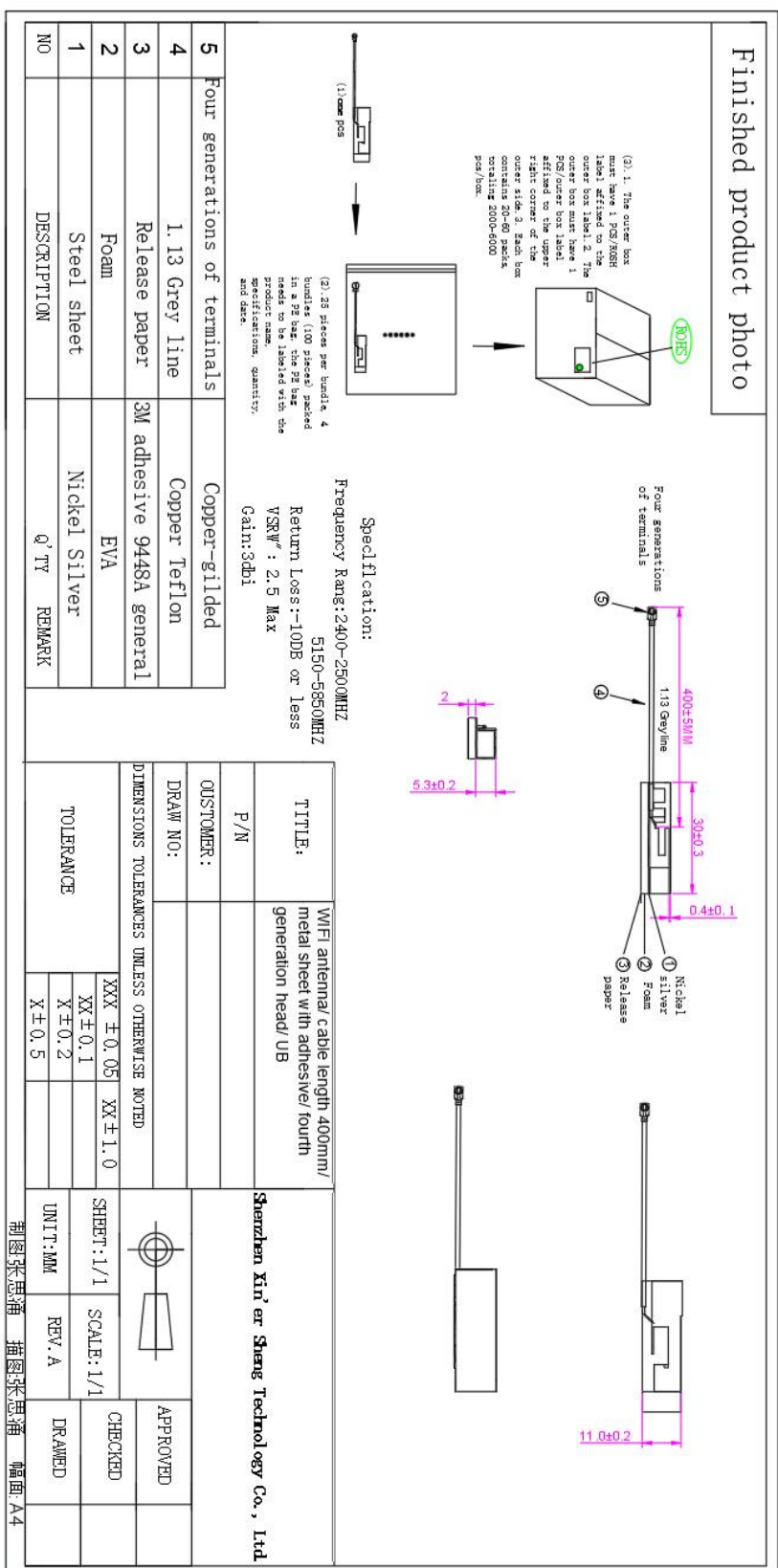
Main technical parameters of the product

Main technical specifications	
Frequency Range(MHZ)	2400-2500 /5150-5850
Impedance(Ω)	50 ± 10
Gain(dBi)	3 ± 0.5
ReTurnLoss(dB)	≤ -10
VSWR	≤ 2.5
Polarization	Linear Vertical
Connector Type	IPEX
Physical Properties	
Antenna Base	Zinc white copper
Operating Temp	-20°C-+60°C
Storage Temp	-20°C-+70°C

List of raw materials:

Serial number	Name	Texture	Quantity	Unit
1	Steel sheet	Zinc white copper	1	PCS
2	Foam	EVA	1	PCS
3	Release paper	3M adhesive 9448A regular	1	PCS
4	1.13 Grey line	Copper Teflon	1	PCS
5	Four generations of terminals	Gold-plated copper	1	PCS

Product drawing



Main technical parameters of the product

Testing Equipment and Principle

Testing equipment:

Network Analyzers:

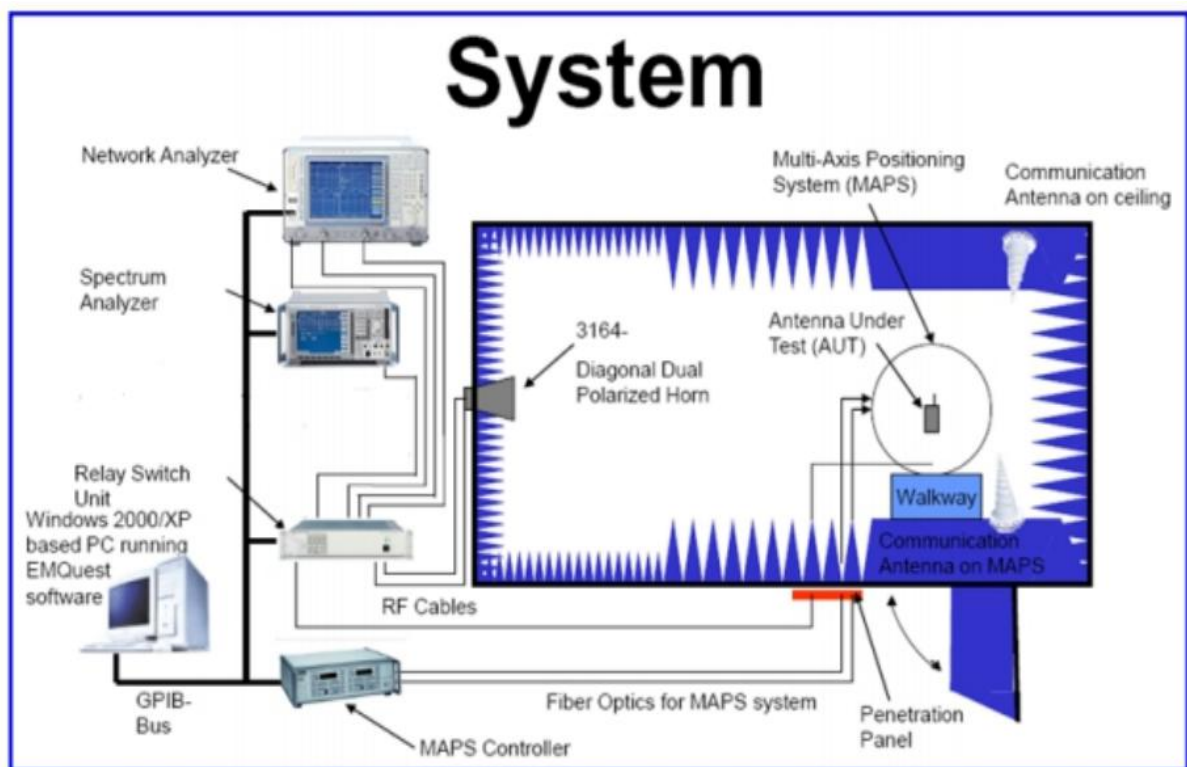
Agilent 8753D 5071B

Communication Test Set:

Agilent E5515C/CMW500

3D Chamber Test System

Testing Principles:



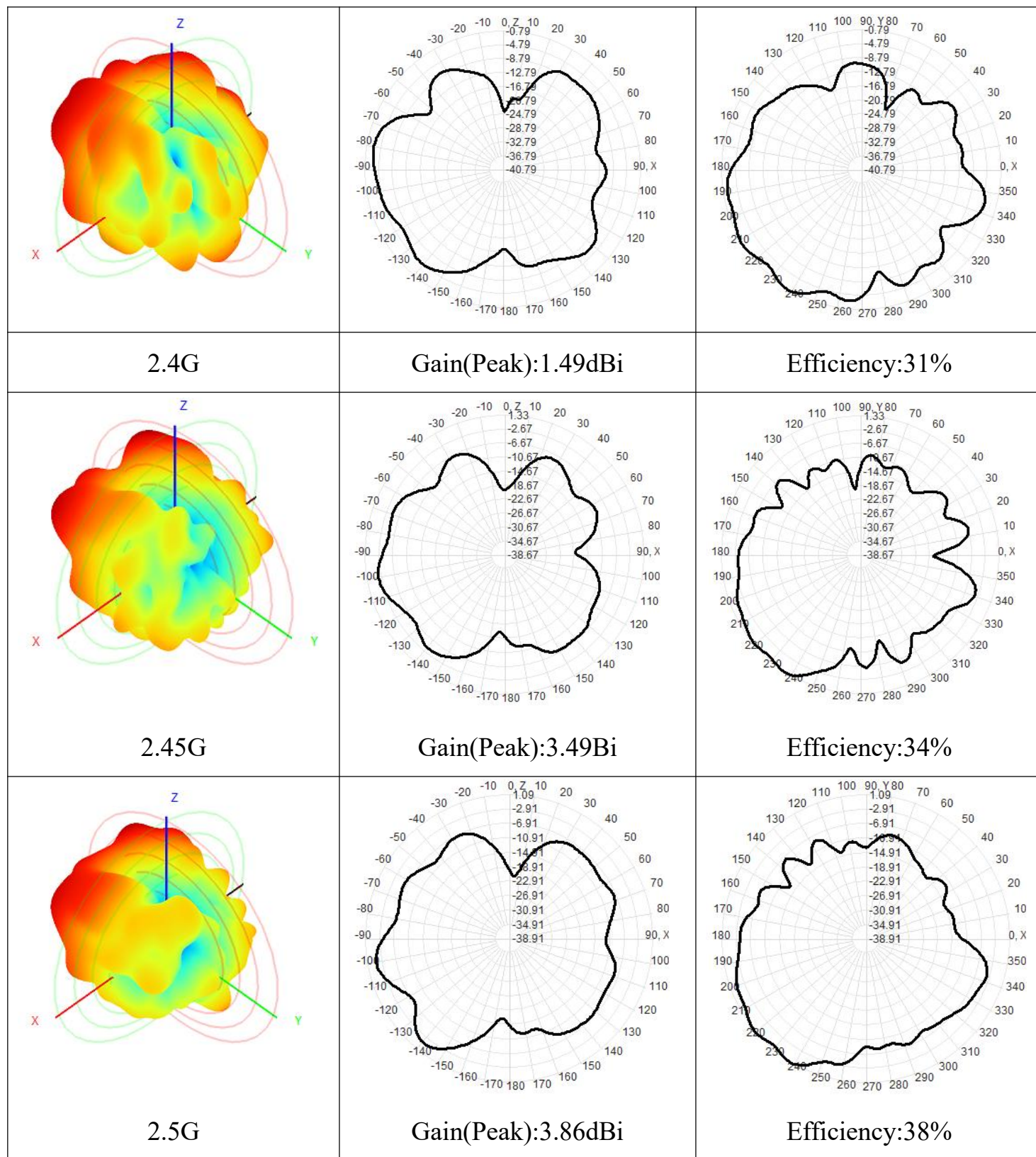
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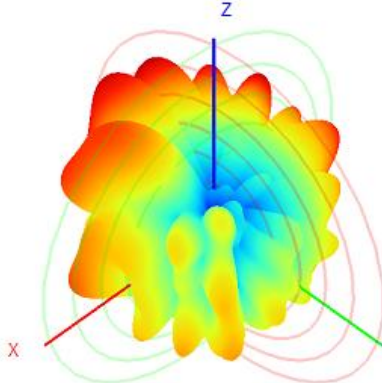
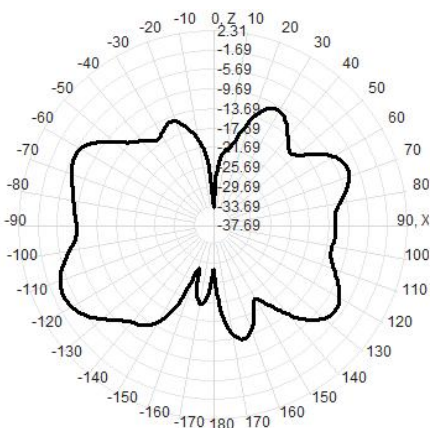
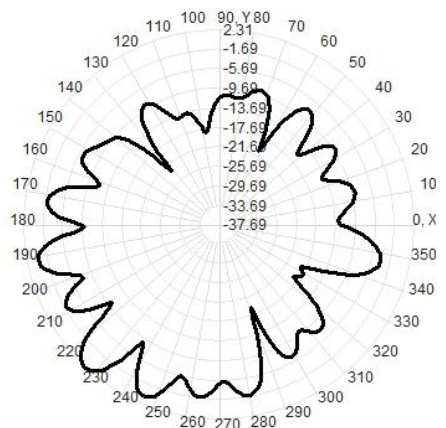
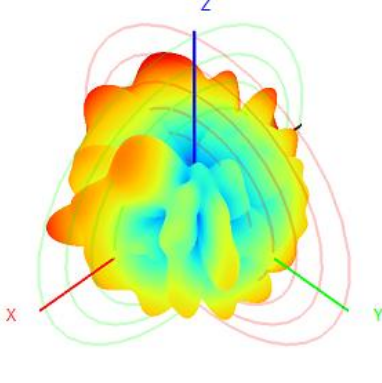
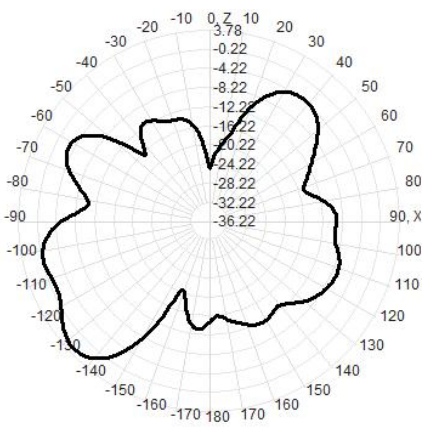
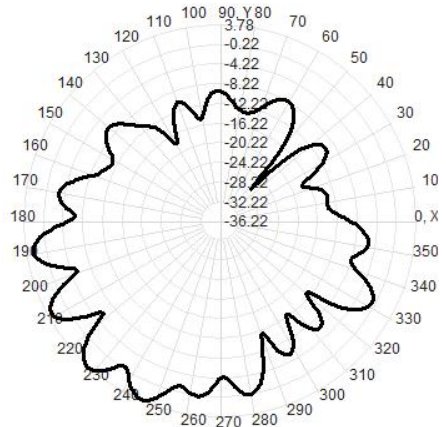
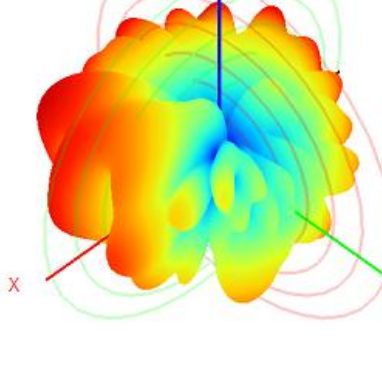
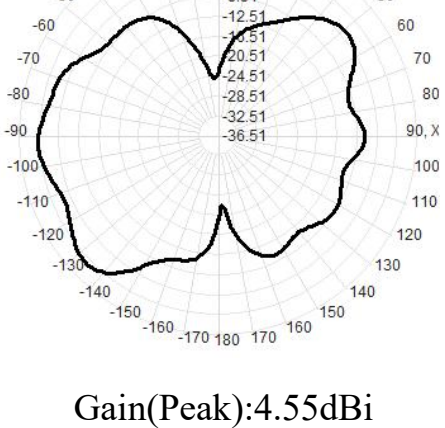
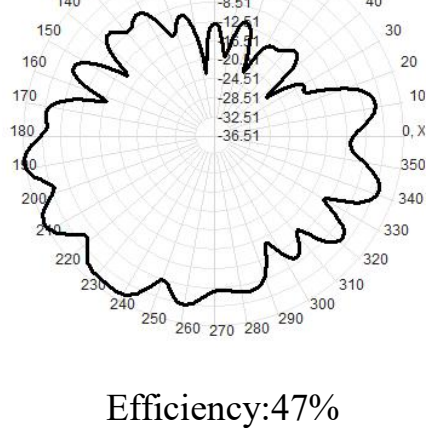


2. Antenna Gain and Efficiency

频率MHz	增益dBi	效率%
2400	1.49	31.83
2410	1.32	32.01
2420	1.26	32.86
2430	2.76	33.91
2440	3.06	33.70
2450	3.49	34.64
2460	3.71	35.23
2470	3.61	35.60
2480	3.60	36.46
2490	3.74	37.67
2500	3.86	38.23
5150	3.47	38.70
5200	4.58	39.40
5250	4.56	40.73
5300	4.74	43.42
5350	4.72	44.25
5400	4.86	38.63
5450	4.27	42.29
5500	5.01	43.03
5550	4.94	46.20
5600	5.69	47.32
5650	4.24	42.89
5700	4.15	40.64
5750	4.04	41.92
5800	5.13	47.88
5850	4.55	47.57

3. 2D、3DRaditation Pattern



		
5.15G	Gain(Peak):3.47dBi	Efficiency:38%
		
5.5G	Gain(Peak):5.01dBi	Efficiency:43%
		
5.85G	Gain(Peak):4.55dBi	Efficiency:47%

4. Reliability Test Report:

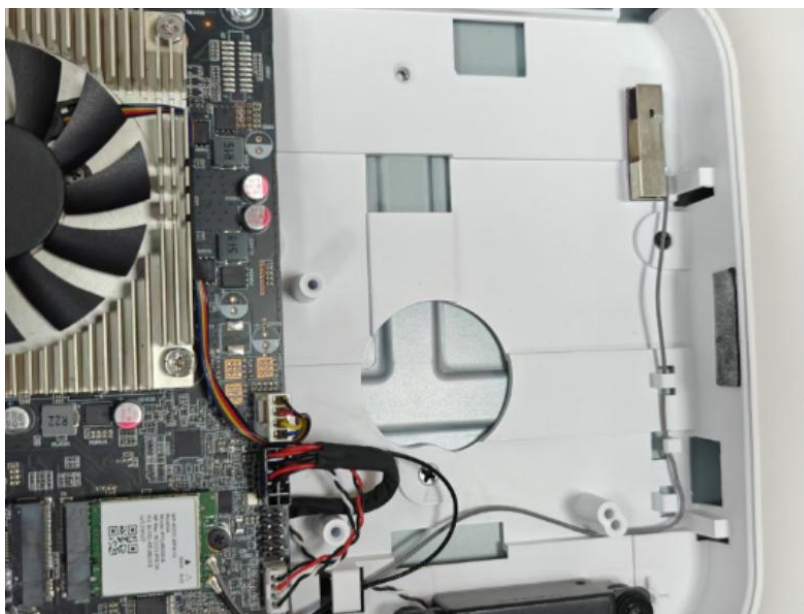
1	盐雾试验 SAIT SPRAY TEST	盐水喷雾试验: 依 GB1266-86 标准 蒸馏水: 一次蒸馏 PH6.5~7 喷雾量: 1.4me80cm ² /h 压缩空气压力: 1Kgf/cm ² 试验相对度: 98° 温度: 45° ~47° 压力温度: 35° 测试时间: 96hr	所有规格变化范围初始值 30% All characteristic range is 30% of the initial value
2	高温试验 HEAT TEST	在 70+2℃环境中放 96 小时, 再放在正常环境中 30 分钟后进行测试 70+2℃ for 96 hours, after keep in normal condition for 30mim the to test.	
3	湿度试验 HUMIDITY TEST	在 40+2℃ 90-95%RH 环境中放 96 小时, 再放在正常环境中 30 分钟后进行测试 40+2℃ 90-95%RH for 96hours, after keep in normal condition for 30mim the to test.	
4	低温试验 COLD TEST	在-20+2℃ 环境中放 96 小时, 再置放正常环境中 30 分钟后进行测试 -20+2℃ for 96hours, after keep in normal condition for 30mim the to test.	无任何现象显示电器性能之损坏.

Source Test Data:

11B-11M	2.4	11A-54M	5.8
1	14.83	36	13.54
6	13.83	149	12.97
11	14.06	165	13.72
1	-78.06	36	-73.69
6	-78.71	149	-71.61
11	-76.96	165	-71.58

2.4G	发射	接收	5G	发射	接收
0衰减/db	198.153	198.639	0衰减/db	586.214	578.458
15衰减/db	189.536	186.875	15衰减/db	481.256	453.254
30衰减/db	176.478	168.245	30衰减/db	135.313	128.458
40衰减/db	95.578	105.353			

Assembly drawing:



Packaging specifications:

Product Name/Specifications

一. Label Requirements

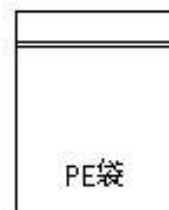
采购单号	*****
物料编码	*****
品名规格	*****
数量/单位	*****
备注	*****

采购单号	*****
物料编码	*****
品名规格	*****
数量/单位	*****
备注	*****

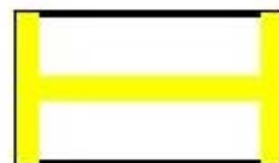
二. Packing Requirements

1. Assignment Instructions:

2. 25 pieces per bundle, 4 bundles packed in one bag. One bag contains one small box, and several small boxes are packed in one large box.



2.Outer packaging: Quantity per box is determined based on the actual quantity.



纸箱

Precautions:1. Whether to add partitions and foam;

2. The attachment of labels, such as ROHS, etc.

