

Angeei
江苏爱吉亚电子科技有限公司
承 认 书

APPROVAL SHEET

客户 CUSTOMER NAME:

客户料号 CUSTOMER P/N:

客户图纸版本号 VERSION NO:

产品品名 ANGEEI P/N: S243013

- 承认书性质:
- | | |
|--------------------------------|-------------------------------------|
| 1. 新品承认 (Newly Approved) | ☒ |
| 2. 材料变更再承认 (Material Approved) | ☐ |
| 3. 规格变更再承认 (SPEC Approved) | ☐ |

客户承认 CUSTOMER APPROVED

供方签核 Supplier approval				
制作 Author	审核 Auditors			核定 Approval
	研发部 R&D	品质部 Quality	业务部 Business	
Shirley	Wells	Lu Haipeng	WuBin	Davis



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内 容

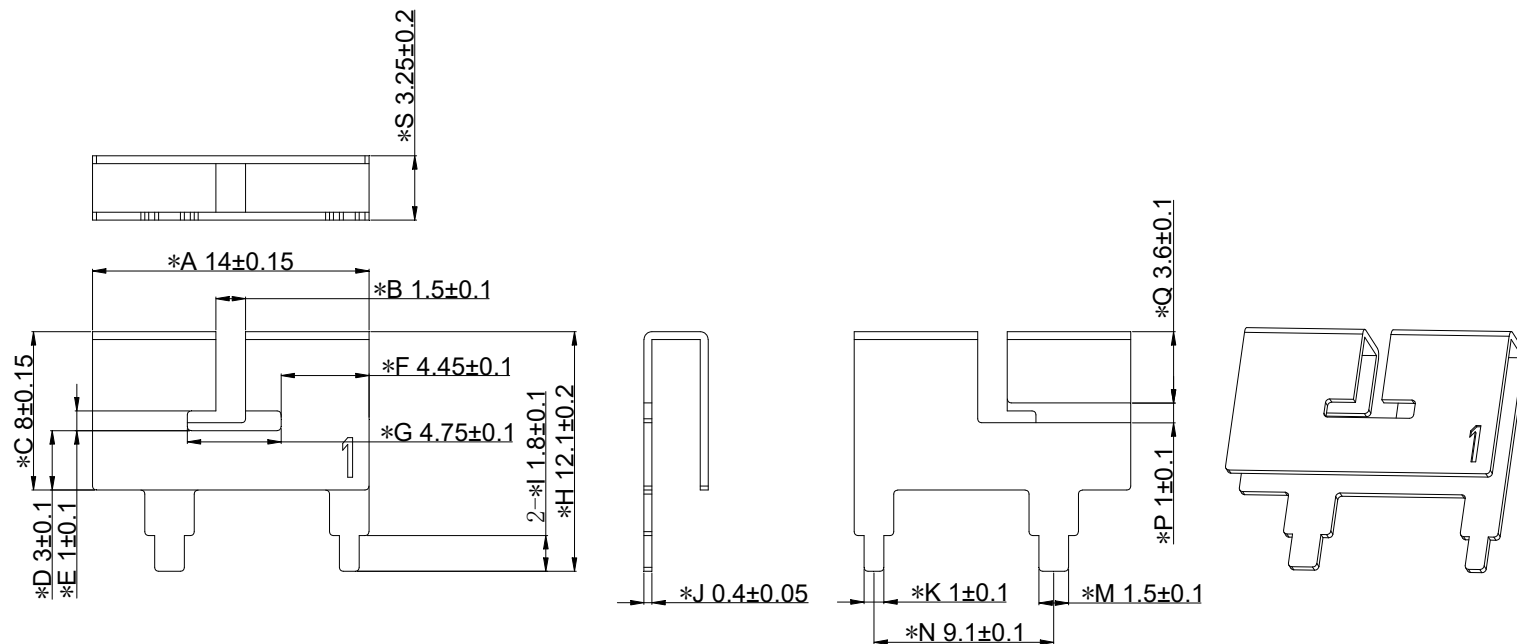
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Version	Date	Note
A0	2025.04.22	Initial Draft
A1	2025.07.29	Update Performance Testing Reports

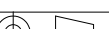
1、 Drawing

ECN NO.	日期 Date	变更内容 Descripton of Change	变更人 Mod. by	批准 Appd
①				

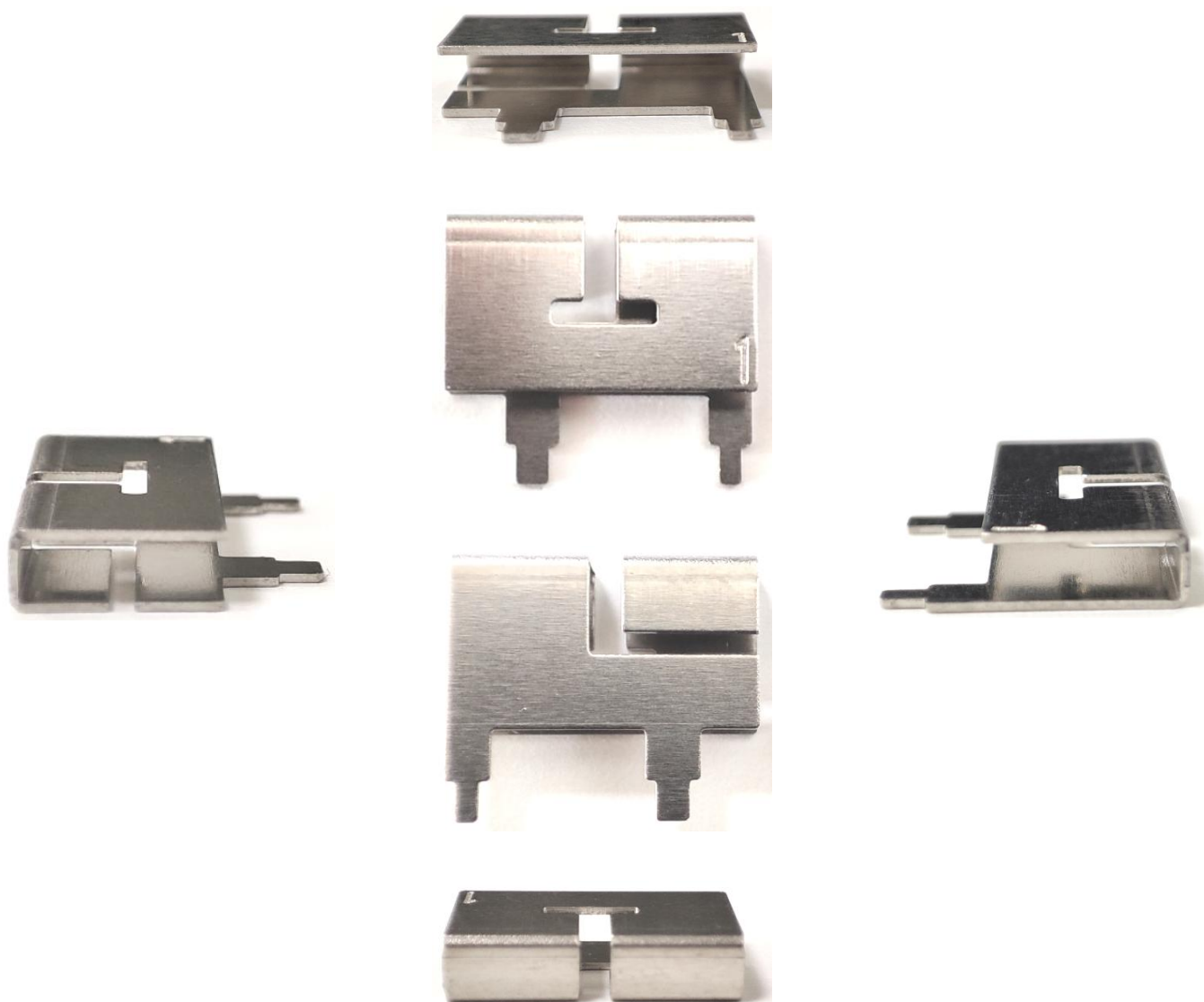


NOTES:

- 1、*is the key control dimension;
- 2.All material must be RoHS compliant.

1	Metal antenna		SUS304 T=0.4 nickel plating	1	4310-01-001			
序号	名称 Name	型号 Model	材质 Materiala	数量 QTY	图号Drawing Number	备注Remank		
Angee			名称 P/N	S243013		料号 Part number		
			未注公差参考表(单位: mm)	视角	制图DRAWM	LiJun 25. 03. 06	图号DWG NO	4310-C04-001
			X: ±0.5 X: ±3°		校对CHECK	Jin. Ye 25. 03. 06	比例SCALE	版次REV 页码Sheet
			X.X: ±0.3 X.X: ±1° X.XX: ±0.2 X.XX: ±0.05°		审核APPD	Davis 25. 03. 06	1:1	A0 1/1

2、Photos



3、FAI



First Article Inspection Report

Part Number :
Description :
Revision :
Drawing Number:
Unit of Measurement:

S243013

A0

Number of Sample : :
Supplier :
Inspected By :
Inspected Date :
版 本 号: A1
表单编码: QR-QW-RD21-01

4PCS
Angeei
BOHuiling
25.3.22

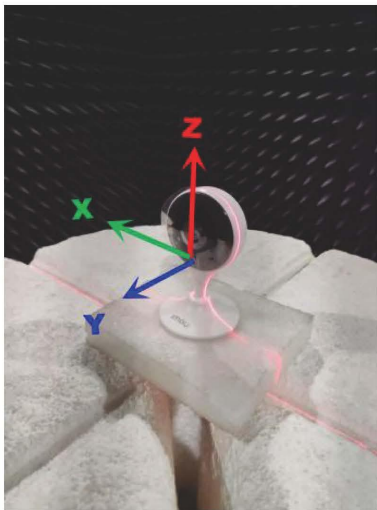
DIM. #	SPECIFICATION				Measuring instrument	MEASURED DIMENSION				% TOLERANCE USED		0%-25%	25%-50%	50%-75%	75%-100%	100%+	REMARKS
	DIMENSION	+ TOL.	- TOL.	SYMBOL		Sample1	Sample2	Sample3	Sample4	UPPER	LOWER						
A	14.00	0.15	0.15		B	14.06	14.08	14.050	14.060	53%	0%		※				OK
B	1.50	0.1	0.1		B	1.48	1.48	1.480	1.480	0%	20%	※					OK
C	8.00	0.15	0.15		B	8.06	8.05	8.050	8.040	40%	0%	※					OK
D	3.00	0.1	0.1		B	3.04	3.03	3.020	3.030	40%	0%	※					OK
E	1	0.1	0.1		B	0.95	0.98	0.980	0.970	0%	50%		※				OK
F	4.45	0.1	0.1		B	4.50	4.47	4.480	4.490	50%	-20%	※					OK
G	4.75	0.1	0.1		B	4.76	4.74	4.760	4.750	10%	10%	※					OK
H	12.1	0.2	0.2		B	12.16	12.15	12.160	12.150	30%	-25%	※					OK
I	1.8	0.1	0.1		B	1.81	1.81	1.800	1.810	10%	0%	※					OK
I	1.8	0.1	0.1		B	1.82	1.81	1.810	1.820	20%	-10%	※					OK
J	0.4	0.05	0.05		B	0.41	0.41	0.410	0.420	40%	-20%	※					OK
K	1	0.1	0.1		B	1.01	1.01	1.000	1.010	10%	0%	※					OK
M	1.5	0.1	0.1		B	1.51	1.51	1.520	1.520	20%	-10%	※					OK
N	9.1	0.1	0.1		E	9.11	9.10	9.110	9.120	20%	0%	※					OK
P	1	0.1	0.1		B	1.03	1.04	1.030	1.040	40%	-30%	※					OK
Q	3.6	0.1	0.1		B	3.66	3.67	3.660	3.660	70%	-60%		※				OK
检验工具代码		A: 千分尺、B: 游标卡尺、C: CCD投影仪、D: 拉力计、E: 二次元、F: 目测、G: 直尺、H: 放大镜、I: 线材综合测试仪、J: 膜厚仪、K: Rohs检测仪、L: 硬度仪、M: 耐压测试仪、N: 电阻测试仪、O: 通断测试仪、P: 网络分析仪、Q: 检具、R: 高度计、S: 拉力试验机、2.5D: 二点五次元、T: 其它															

Checked By :李贤文

Approved By : 鲁海鹏

1. Antenna Solution

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Ant #	Frequency Band (GHz)	P/N
Ant1	2.4-2.49	S243013

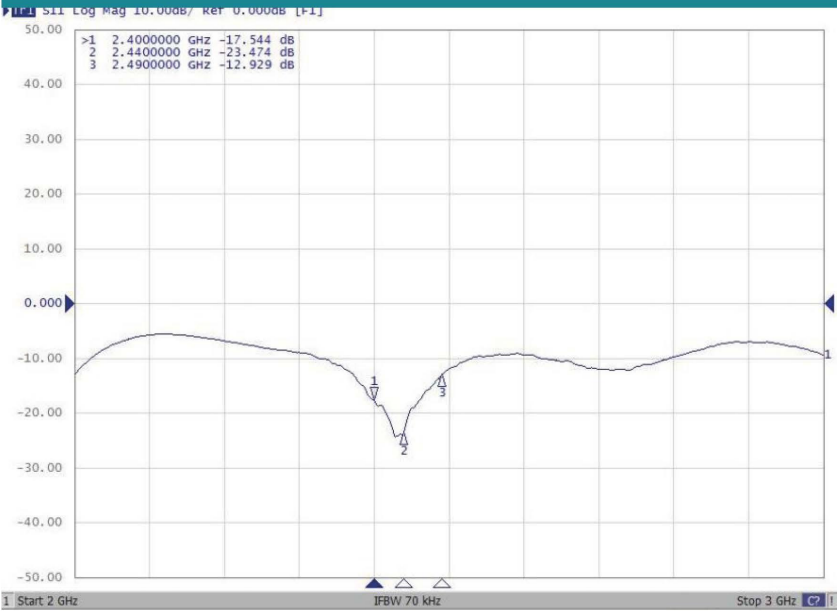
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2. S11 for Ant1

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Frequency (GHz)	Return LOSS (dB)
2.4	-17.544
2.44	-23.474
2.49	-12.929

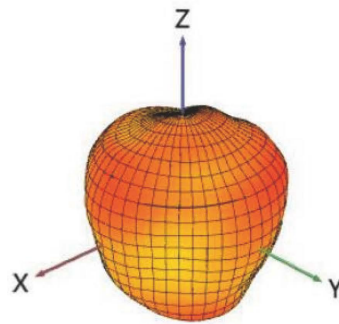
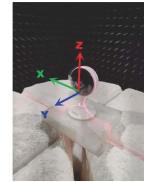
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3. 3D Radiation Pattern for Ant1

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2.44GHz

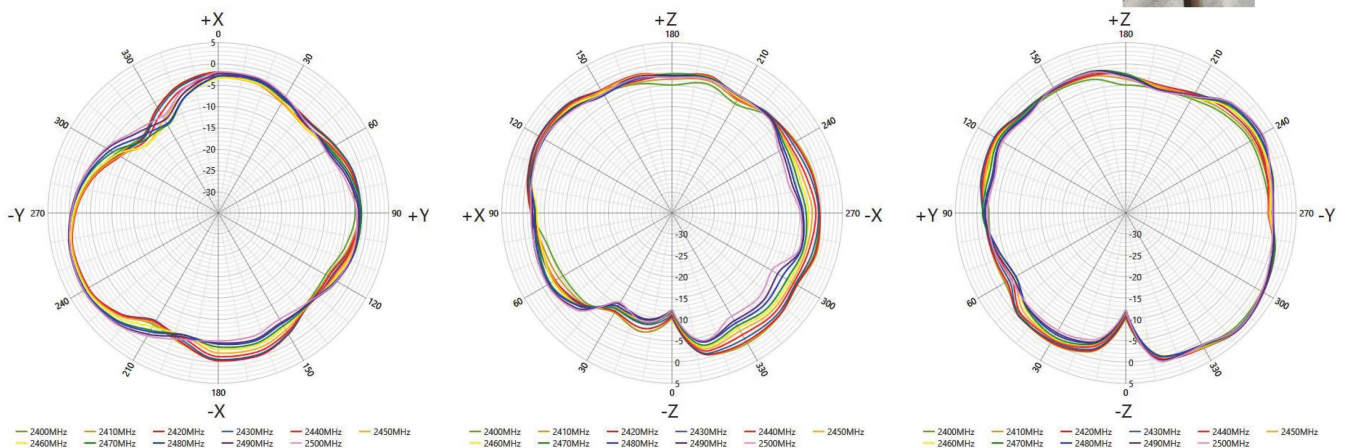
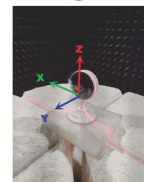
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4. 2D Radiation Patterns for Ant1

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5. Peak Gain & Efficiency



Frequency (GHz)	Ant1	
	Peak Gain (dBi)	Efficiency(%)
2.4	2.676	64.40%
2.41	2.983	68.50%
2.42	3.139	69.49%
2.43	3.128	68.47%
2.44	2.921	63.86%
2.45	2.865	60.78%
2.46	2.867	59.98%
2.47	3.079	62.87%
2.48	3.035	61.38%
2.49	3.148	64.31%
2.50	3.067	63.81%

5、Package

产品包装规格表 Product Packaging Specification Form					
Product Package	S243013	客户代号Customer Code		包装规格书号 Packaging Specification Number	4310-08-001
产品料号 Product Part Number	F0101100293	客户料号Customer Part Number			版本 Version A0
包装总览 Packaging Overview	每供货独立包装 Per Supply Independent Packaging				备注 Remarks
	零件整箱数量(pcs) Number of Parts per Carton (pcs)	4000	纸箱 carton	1	
	内含真空袋 Number of Vacuum - sealed Bags Inside	8	内真空袋包装零件数Number of Parts per Inner Vacuum - sealed Bag	500	
	产品总重量(kg) Total Product Weight (kg)	/	含包装重量(kg) Weight Including Packaging (kg)	/	
	包装外形尺寸 (mm) Packaging outline dimensions (mm)	长 Length	宽 Width	高 Height	
		350	350	330	
包装方法、位置的展示 Packaging Material Information	料号 Part Number	名称 Name	规格 Specification	数量 Quantity	描述 Description
	R1200100147	外箱 Outer Carton	350*350*330	1	Taoglas 外箱 350*350*330、(外径尺寸)、胶粘、抗破裂8、内侧无丝印 Taoglas outer carton 350*350*330 (outer diameter size), glued, burst - resistant 8, no silk - screen on the inside
	R1200200016	016真空袋 016 Vacuum Bag	490*470*0.085	8	
	R1201000097	外箱标签 Outer Carton Label	6*10cm, PVC glossy white paper (blank)	1	参考“产品对照表” Refer to "Product Comparison Table"
	R1200400010	载带 Carrier Tape	W32mm*T0.5mm, black antistatic, PS, 9.12M/roll	8	
		干燥剂 Desiccant		16	
		UL标签 UL Label		1	
	R1201000096	真空标签带 Vacuum Bag Label	2*6cm, coated paper (blank)	8	
Display of Packaging Method and Position	单件产品 Single piece product  ↓  1盘（500PCS）/一袋 料盘上贴上标签/干燥剂2pcs 1 tray (500 PCS) per bag Attach labels to the trays / 2 pcs of desiccant 胶带“工”字封箱，外箱标签，贴于外箱侧边右上角最上面，数量共计4000PCS/箱 Seal the carton with tape in an "I-shaped" pattern. For the outer carton label: affix it to the topmost position of the upper right corner on the side of the outer carton. Total quantity: 4000 PCS per carton  ↓  8包/箱，装入外箱中 8 packs per carton, to be packed into outer cartons.				
	Version	Engineering	Change Content	Changer	Production Date
				Producer	Geng Weidong
				Proofreader	Todd
				Reviewer	RICK

Angeei

Jiangsu Angeei Electronics Co.,Ltd

Reliability Test Report

Report Number: QS250326001

Customer Code: N/A

Submission Date: March 26, 2025

Sample status: ☐ Sample ☐ Trial production ☒ Mass production

Sample types: ☐ Raw materials ☐ Semi - finished products
☒ Finished products ☐ Auxiliary materials

Product Specification/Model: S243013

Test Duration: 2025.03.24-2025.03.26

Test Result: ☒ OK ☐ NG

	Compilation	Audit	Approva
Signature	ZhuLong	LiXianWen	LuHaiPeng
Date	2025.03.26	2025.03.26	2025.03.26



Catalog

Serial Number	Content	Page Number	Test Result	Reference Standard	Remarks
1	Cover (Approval Signature)	1			
2	Table of Contents	2			
3	Salt Spray Test	3	OK	GB/T 2423.18-2012 试验Kb	2025.03.24-2025.03.26

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Product Specification/Model	S243013	Tester	ZhuLong
Sample Quantity	5PCS	Test Duration	2025.03.24-2025.03.26
Test Equipment	Salt spray testing machine		
Test Purpose	To verify that the surface of the sample has no rust or corrosion after 48 hours of salt spray testing.		
Test Conditions	Place the test specimen in a salt spray test chamber, and spray the specimen with salt water with a concentration of $(5\pm1)\%$, a temperature of $35^{\circ}\text{C}\pm1^{\circ}\text{C}$, and a sedimentation rate of $(1-2)\text{ml}/80\text{mm}^2 \cdot \text{h}$. After 48 hours, inspect the appearance.		
Spray volume (ml)	1 hour	12 hour	24 hour
	1.7	18	36
			48 hour
			72

Photos before and after the test



Test Photos



Test Results

Judgment criteria	The surface is free of rust and corrosion, and remains intact.			
Inspection Items	Before test	After test	Defect description	Judgment result
Appearance	The surface is free of rust and corrosion, and remains intact.	The surface is free of rust and corrosion, and remains intact.	/	OK
Conclusion	☒ OK ☐ NG			