

SPECIFICATION FOR APPROVAL

(Product Confirmation Letter)

Product Name: Wi Fi steel antenna

Product model: ER03462-WIFI steel sheet antenna

Customer specifications: Frequency 2.4GHz, built-in material SUS 201, size 29.36 * 9.98 * 6.16mm ROHS

Customer's part number(Material code): 18600000012302

Change Content History:

Serial number	The content before the change	The changed content	Change date	edition	Page number	person liable
0	First edition	Second edition	2024-0823	A1	8	HeYe/YaoZehui

Supplier Name: [Shenzhen Kaipu Shen Communication Technology Co., Ltd](#)

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(Signed by Supplier)

Responsible person/date	Audit/date	Approval/date

This admission includes the following: (One is indispensable)I. Cover

2.Parameter specifications

Third,structure size drawing

Fourth, packaging drawing

Five. BOM table

6. Production process flow table

Seven. certification test status

Customer name (company name):Shenzhen AONI Electronics Co.. LTD

Judgment result ofDemander (customer): ☐Passed ☐ failed

The demander (customer) acknowledges (please bookmark the entire acknowledgement after confirmation)

Development Design engineer/date	SOE Engineer/Date	Head ofPurchasing Department/Date	ApprovalbyDevelopment Manager/date

ii.parametric specifications

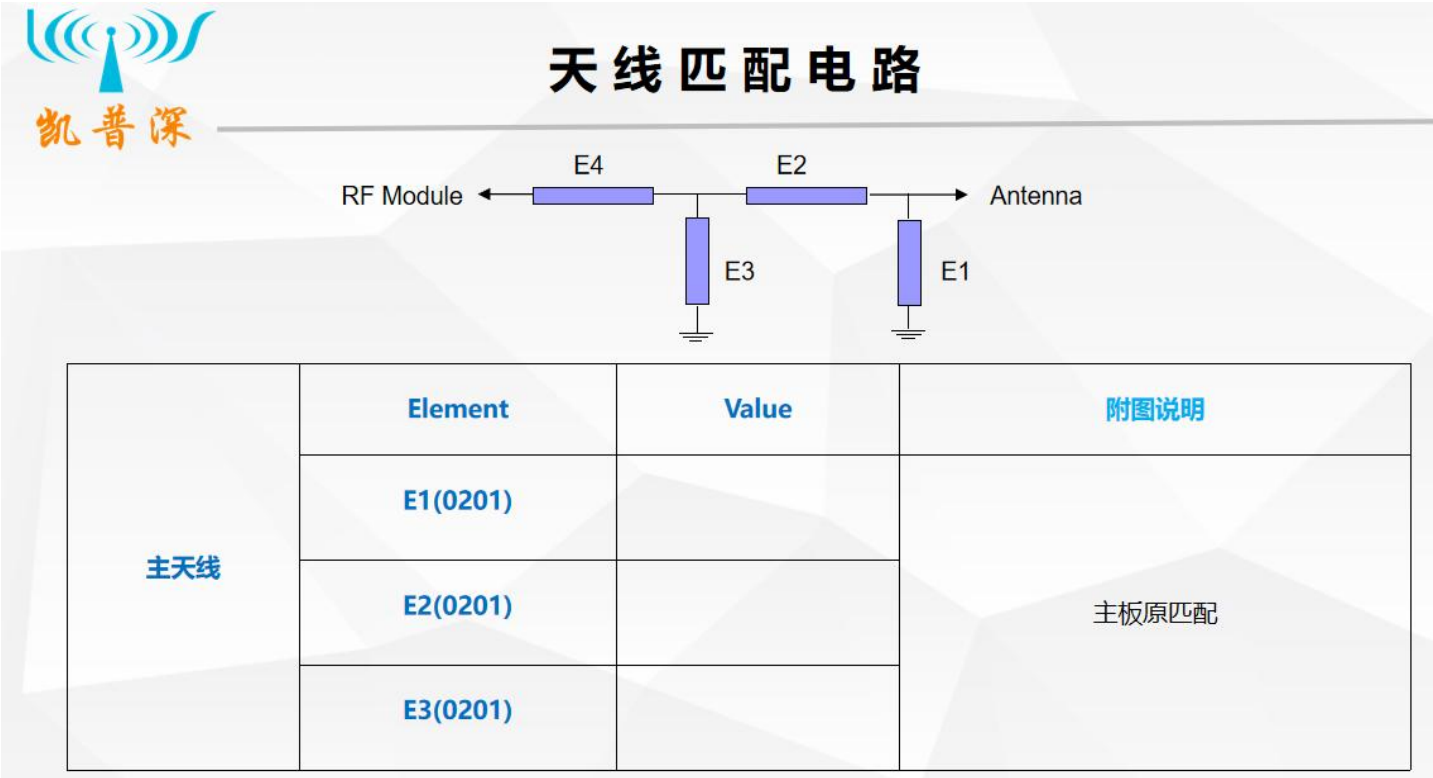
1. Electrical performance parameters

Serial number	Project	parameter specifications	test conditions
1	Frequency(MHZ)	2400 MHZ-2500 MHZ	Network analyzer set to 2.4-2.5 GHzfrequency
2	Gain test	$\geq 2\text{dBi}$	microwave darkroom
3	efficiency tests	$\geq 50\%$	microwave darkroom
4	Voltage VSWR	≤ 2	Network analyzer set to 2.4-2.5 GHz frequency

2. Mechanical performance parameters

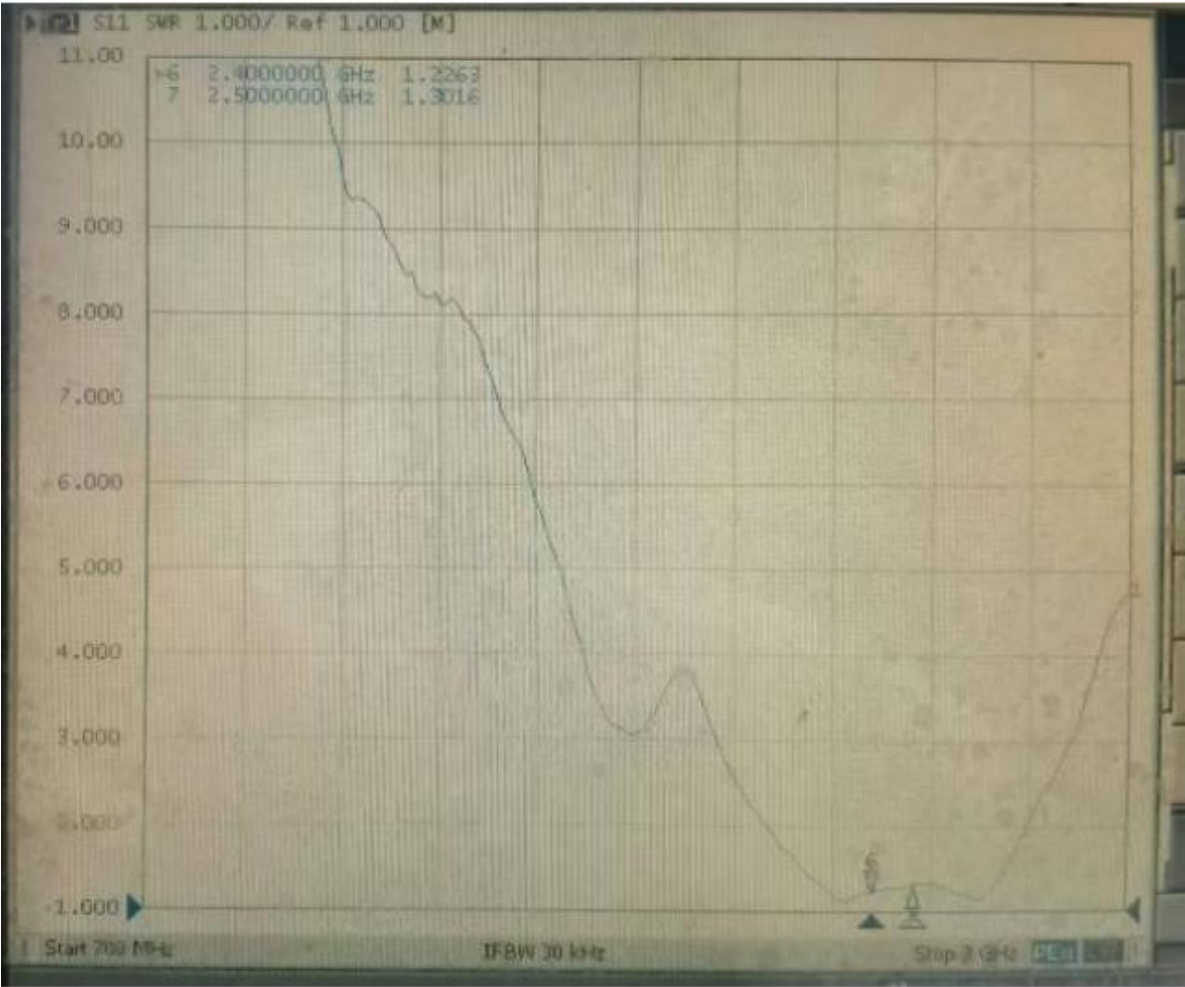
Serial number	Project	parameter specifications	test conditions
1	Shrapnel length	$22.87 \pm 0.2(\text{mm})$	Using calipers to measure the dimensions of the length of the shrapnel, the
2	Width of shrapnel	$18.87 \pm 0.1 (\text{mm})$	Using calipers to measure the dimensions of the width of the shrapnel, the
3	Shrapnel thickness	$0.3 \pm 0.05 (\text{mm})$	Using calipers to measure the dimensions of the thickness of the shrapnel, the

2.1.antenna-matching-circuit



2.2、test reports

Passive test results



2.3、Antenna test data.:



WIFI 测试数据

WIFI B 11M	channle	TRP (dbm)	TIS (dbm)
	1	17.3	-85.9
	6	17.5	-85.5
	11	17.1	-85.2

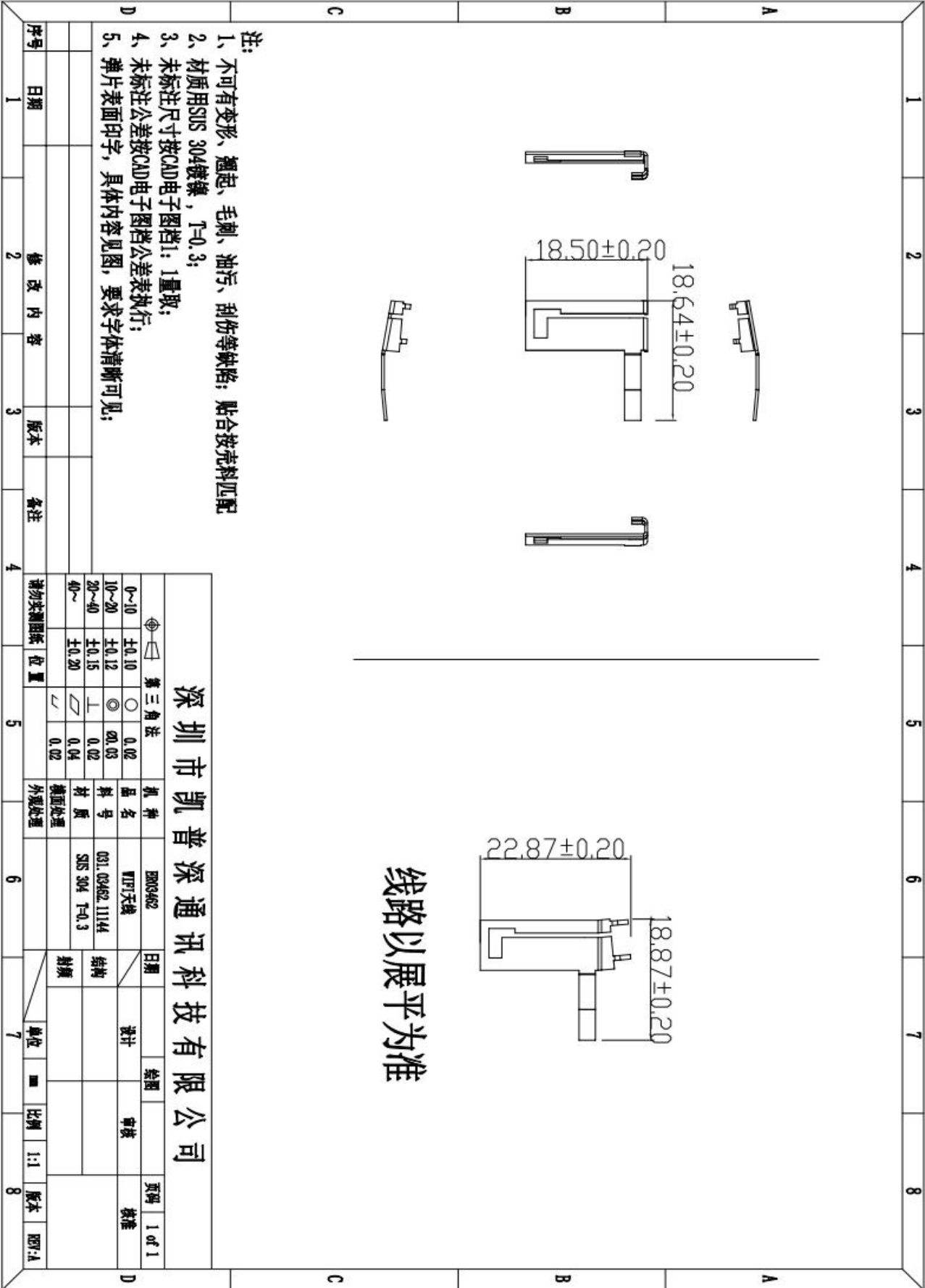
2.4、WIFI antenna passive test data:

Passive Test For WIFI2.4			
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	51.21	-2.91	2.63
2410	50.02	-3.01	2.49
2420	50.71	-2.95	2.57
2430	52.26	-2.82	2.82
2440	51.74	-2.86	2.64
2450	53.42	-2.72	2.89
2460	56.64	-2.47	3.16
2470	56.68	-2.47	3.28
2480	56.67	-2.47	3.08
2490	55.23	-2.58	2.97
2500	53.17	-2.74	2.64

2.5、Reliability test

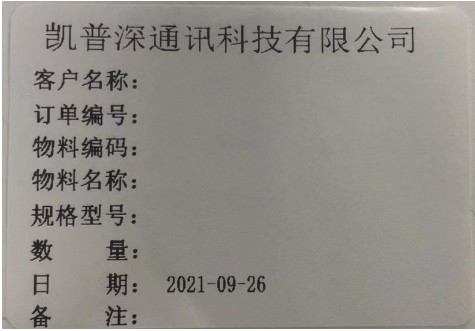
Serial number	Project	test conditions	test conditions
1	salt spray test	1,salt spray chamber temperature of 35±2℃:test roomtemperature 22~30℃,salt spray settling speed after 24Hspray per 80cm area of 1-2hl./h sodiumchloride concentrationof50 ± 10g/L,PH value of6.5/7.2	1.24 hours after the praduct surface is notoxidized,the electrical test mcetsthestandard requirements. 2, the electrical test meets the standardrequirements: voltage VSwR test qualified

三、Structural dimension drawings (CAD files)



IV, Packaging diagram (fill in the instructions: the inserted picture must be clearly visible)

1.Package photo (picture).

1. Photographs or pictures of individual material packages that	2. Photographs or pictures of the inner packaging arranged in a single layer
 Remarks:	 Remarks:
3. Photographs or pictures of the outer packaging that	4. Supplier material packaging anti-counterfeiting marks
 Remarks:	 Remarks:

2.Material Packaging Information Sheet:

Serial number	material name	Material specifications	Material	Whether it is Antistatic or not	Number of packages in a Single box	Packin Weightg Of single box (KG)	Remarks
1	WIFI shrapnel	22.87×18.87×0.3	SUS3.4 T=0.3	是	11250PCS	Total Weight 5KG	
2	Blister tray	335*285*33 mm	PVC	否	1250PCS		
3	Cardboard	340*290MM	Corrugated (B=C)	否	2PCS		
4	Cartons	350*310*300MM	Corrugated(B=B)	否	1PCS		
Shipments are packaged in(4):1,rolls;2,trays;3. bulk;4, cartons;5. cartons; 6. other_____							

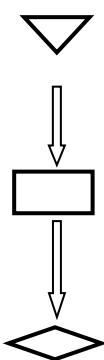
[Supplier Material Coding Rules].
 product/material code reference table
 Example of incoming material material number: material number: 10.HY802.10A02 codereference table as follows

1		2	3						备注
客户名	客户代码	项目代码	材质信息	材质代码	天线类别	天线代码	颜色	颜色代码	
**	10	XXXXX	材质信息	材质代码	天线类别	天线代码	颜色	颜色代码	10. HY802. 10A02
			FPC	10	无	10		0	前面两位是客户代码. 中间是项目型号. 后面5五位是材质代码+ 天线类别+颜色代码
			五金弹片	11	2/3G/GSM 主天线	11	黑色	1	
			LDS	12	WIFI/BT/GPS 天线	12	白色	2	
			塑胶支架	13	WIFI/BT 天线	13	灰色	3	
			同轴线	14	WIFI 天线	14	银色	4	
			导线	15	GPS	15	黄色	5	
			顶针	16	BT	16	粉红色	6	
			陶瓷	17	LTE主天线	17	绿色	7	
			泡棉	18	GSM 副天线 (LTE)	18	香槟金	8	
			天线组件 (FPC+支架)	19	分集天线	19		9	
			天线组件 (五金+支架)	20	FM	20			
			外置天线	21	NFC	21			
			弹簧天线	22	CDMA	22			
			PCB	23	组件天线	23			
			喷涂	24	4G/三合一/分集天线	24			
			PCBA	25		25			
			背胶	26		26			

F'ifth, the BOM table (bill of materials) (fill in the instructions: to expand all the subcomponents)

Serial nutb er	the name ofthesubpart material	Material	specifications/models	Brands	The name of thevendor	Dosage
1	Shrapnel	Nickel-plat ed	20.87L* 18.87 W* 0.2mm Thick	\	Jiehongyuan	1PCS
2	Cartons	K=K, triple-plypa per gtock	320L*240 W*160 H	\	Jiehongyuan	1/11250

vi,production process flow chart

FlowChart	Serial number	The name of the operation	methodological steps	Document number	Version	Critical Workstation
	1	Full cosmetic inspection	Check whether there is any bending and deformation of the shrapnel, whether there is any rust and oxidation on the surface, put the good products into the turnover tray to be packaged, and put the defective products into the red rubber.	WI-RD-8087	A0	*
	2	blister tray packaging	Load the self-inspected and qualified products into the blister tray, 100PCS/tray, and affix the label paper and RoHS label	WI-RD-8088	A0	
	3	Sealing	The packaged products will be put into carton, each carton contains 1000pcs. The carton will be sealed with tape in the shape of "1", and labeled with labeling cardboard and RoHS labels.	WI-RD-8089	A0	
	start:  task:  inspect:  end:  Key workstations: *					

Seven, certification and testing status (fill in the instructions: if you have to do the relevant testing and certification, please check in brackets and indicate the corresponding certification or report number)(Certification or report number.

(WDE certification or report no

(CE marking or report no _____

(FCC Certification or Report No.: ,,,,,, and _____

ORHS Certificate or Report No. CANEC23001108902

(REACH certification or report number: ,,,, and _____

(EMC certification or report number: ,,,, and _____

(CCC Certification or Report No.: _____

OSRRC Certification or Report No.: _____

)Other Certification or Report No.: _____

() No product certification _____