

Shanghai Chuangmi Technology Co., Ltd.

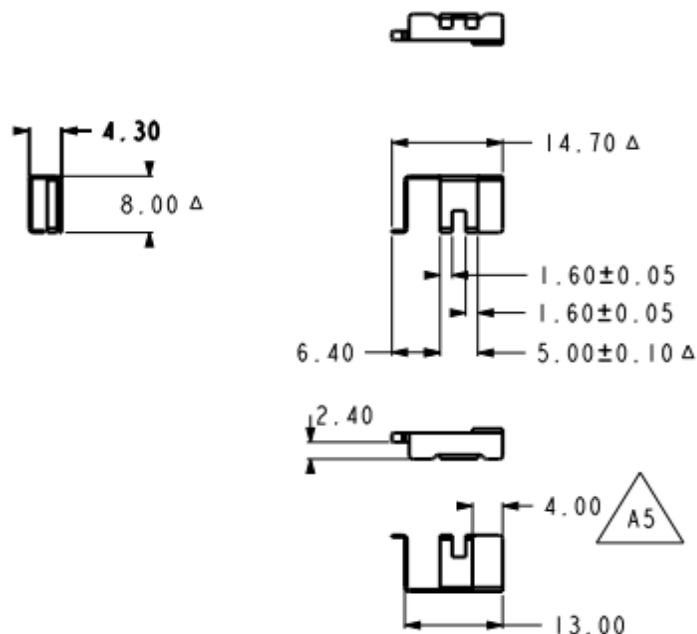
Antenna specification sheet

Part Description	Manufacturer Kunshan Yunzhihong Electronic Technology Co. LTD.		Description: CM0539-W01-10	
	Manufacturer Address:No.399, Jujin Road, Zhangpu Town, Kunshan City, Jiangsu Province			
	Product Name: IPC131/132-Steel Plate Antenna		Project: IPC131/132	
	Antenna type: PIFA stamping			
	Part No.: 5022AA013680/HQ260040001F0			
Attachments:	☒ Specification		☒ Drawing	
	☒		☒ Sample	
	☐ CPK Report		☐ RoHS Report	
	☐ FAI Report		☐ Reliability Report ☐ RoHS Questionnaire	
	☒ QC Flow Chart		☐ Material Verification Sheet ☒ Packing Content ☐ Safety Report	
* ROHS				
Vendor	Design		Check	
Technology Check	Mechanical		Hardware	
	Software		ID	
	Project Manager		Sourcing	
Final Check	Keypart		Engineering	
	Product Manager		SQE	
	Customer			
Approval condition	Quality Planning		Rohs Status	
			☒ RoHS	
			☐ Non-RoHS	
Approval condition	☐ Approved		☐ Reject	
	☐ Conditional Approved		Conditions:	
	☐ Temporary Approved		Limited_____Pcs for purchasing	
Approval by	RD Leader （Technology Director）		Quality Director	
	* Audit by Technology Director or Qunality director on the conditions of special approval			
Distribute	☐ IQC ☐ hardware ☐ ME ☐ Software ☐ Components ☐ ID ☐ Vendor ☐ Customer ☐ outsoucing ☐ Engineering ☐ SQE ☐ Others _____			

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REV	DESCRIPTION	DRAWN	DATE
A0	First edition release	Hwg	2026-04-17
A1	Antenna shape change	Hwg	2026-05-06
A2	Antenna shape change	Hwg	2026-05-06
A3	Antenna shape change	Hwg	2025-05-06
A4	Antenna shape change	Hwg	2026-05-15
A5	Antenna shape change	Hwg	2026-05-20



Key Point 1

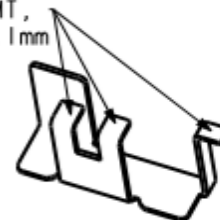


The flatness of this surface is 0.1mm



Key Point 2

3 contacts require SMT,
overall flatness 0.1mm



Technical Requirements:

1. Unspecified geometric dimensions refer to the 3D model;
2. Material: SUS304, 3/4H, T=0.3mm, plated with weldable nickel;
3. The product surface must be free of oil stains, scratches, deformation, bending, and other surface defects;
4. The maximum allowable burr height is 10% of the material thickness;
5. All holes must be physically inspected with relevant parts;
6. 'Δ' dimensions are critical dimensions, '*' dimensions are SPC dimensions (CPK ≥ 1.33);
7. Any material modification must be approved in writing by the engineering department of Yunzhi Hong;
8. The product complies with RoHS2.0 requirements

Unmarked tolerances (MM)		Part Name	IPC131/132-Steel plate ANT	Drawing No. /Part No.	CM0539-W01-10	Drawing Rev	
Size range						Tolerances	A5
>	≤	Spec.	SUS304,0.3T	Customer P/N:	5022AA013680		
0.00	3.00				±0.10	8 HQ260040001F0	
3.00	6.00	Drawn	Hwg	1 Projection	Scale	Unit	/ /
6.00	30.00						
30.00	120.00	E.E.			1:1	mm	Frame Size A4
120.00	400.00						
400.00	~	APPROVED		Kanshan Yuzhikong Electronics and Technology Co., Ltd.			
Unmarked anale							

Full Dimensions Report

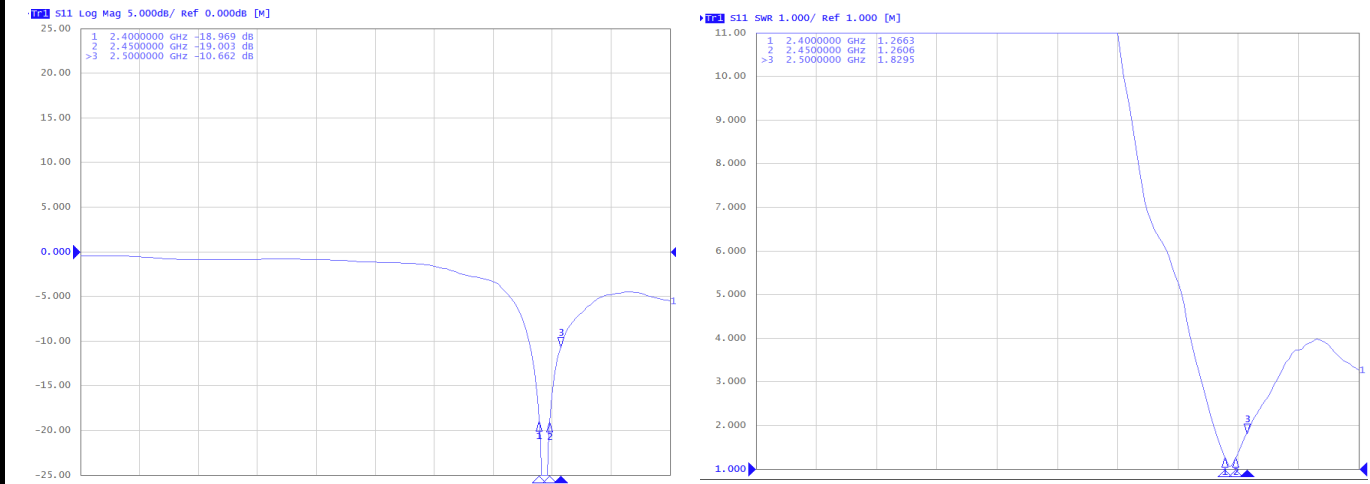
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Reliability test report

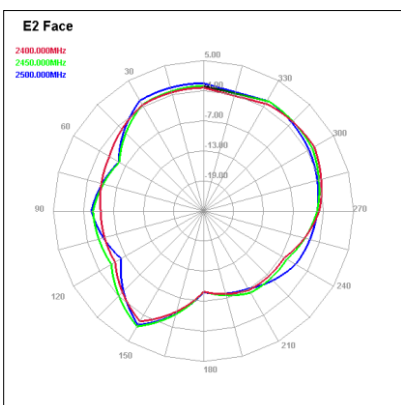
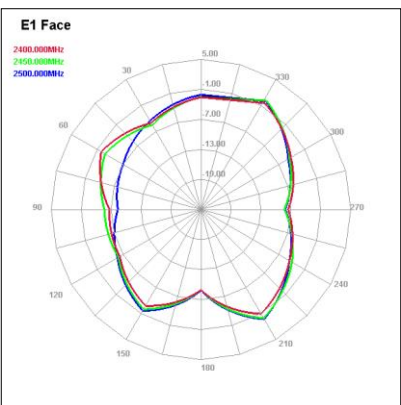
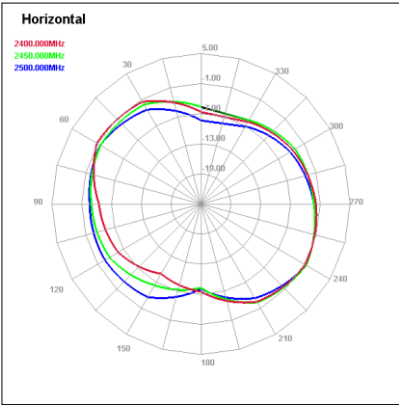
Customer	Chuangmi	Written By	tangyinglong	Orig. Date	2026/6/29
Part Number	5022AA013680 /HQ260040001F0	Revised By	lanxuehua	Revised Date	2026/6/29
Description1	IPC131/132-Steel Plate Antenna	Approved By	panxinpu	Approved Date	2026/6/29
Test date: 2026/6/27			The experimental code: 20260627001		
The experimental method: Salt spray test			The experimental standard: Box test		
sample	The name of the	CM0539-W01-10	The thicknes s of thecoati ng	NI	AU
	The material	SUS304		2~8um	
	Appearance before experiment	ok	Quantity	5 PCS	
Experimental conditions	The experimental time: 20026/06/27, 10:00 ~20026/06/29, 10:00				
	Spray time: 48 hours		Moisturizing time: 48 hours		
	Laboratory temperature: 35℃±2℃		Pressure drum temperature: 46℃±2℃		
	Laboratory relative humidity: 65%— 75%		Atmospheric pressure: 101-02KPA		
	NACL concentration: 5%±0.5%		PH: 6.5-7.2 (neutral)		
The experiment described	Post-experiment appearance	Appearance normal, no obvious corrosion phenomenon			
	Appearance after removal of corrosion products	Appearance of the normal			
The experimental results	OK				
note					
Approved by the :maruiguo audit:sunny Testing personne:tangyinglong					

Antenna Performance Report

Customer	Chuangmi	Written By	Lai Weijian	Orig. Date	1-Jul-26
Part Number	5022AA013680 /HQ260040001F0	Revised By	Liu Shiqiang	Revised Date	1-Jul-26
Description1	IPC131/132-Steel Plate Antenna	Approved By	Huang Fei	Approved date	1-Jul-26



Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	51.2	-2.9	1.2
2410	49.9	-3.0	1.1
2420	50.6	-3.0	1.1
2430	50.8	-2.9	1.3
2440	53.6	-2.7	1.6
2450	54.7	-2.6	1.6
2460	54.3	-2.7	1.6
2470	53.3	-2.7	1.5
2480	53.1	-2.8	1.4
2490	54.0	-2.7	1.3
2500	51.9	-2.9	1.3
AVG	52.5	-2.8	1.3



Antenna test configuration

Customer	Chuangmi	Written By	Lai Weijian	Orig. Date	1-Jul-26
Part Number	5022AA013680 /HQ260040001F0	Revised By	Liu Shiqiang	Revised Date	1-Jul-26
Description1	IPC131/132-Steel Plate Antenna	Approved By	Huang Fei	Approved date	1-Jul-26

OTA Test System			
No.	Name	Model	Manufacturer
1	RF shielded <u>Anechoic Chamber</u>	4*3*3	GP
2	RF switch box		GP
3	ENA	E5071C	<u>Keysight</u>
Test Location: No. 399, Jujin Road, Zhangpu Town, Kunshan City, Jiangsu Province			

