

Shenzhen Yishengbang Technology Co., LTD

Sample acceptance letter

SPECIFICATION FOR APPROVAL

The name of the company: Guangzhou Vision Source Electronic Technology Co., LTD

Material code: _____

Material Name: _____

Customer Model: _____

Date of recognition: 2024.10.31

Supplier name: Shenzhen Yishengbang Technology Co., LTD

Supplier number: SLK-CVTE-T1108

Signature of acknowledgement

Supplier acknowledges			Guangzhou Shiyuan Electronic Technology Co., LTD		
engineer	examine and verify	ratify	engineer	examine and verify	ratify
Liu Cai	Huang Zhen	Lin Meicai			
Stamp and sign			Stamp and sign		
date			date		
Instructions: ☐ Accept ☐ Conditional acceptance					
remarks:					

Supplier name: Shenzhen Yishengbang Technology Co., LTD

Supplier address: 101, Building C, Shenzhen Qianwan Hard Technology Industrial Park,
Baoan District, Shenzhen

Tel: 18025305599

Tel: 18666299104

catalogue

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Revise your resume

edition REVISION	Change item DESCRIPTION	date changed DATE
A0	First time formulated	2024.10.31

4. Product drawings (unit: mm)

File Number		SLK-CYTE-71108		Unit: mm		Edition		Sign		Change description		DATE	
						A1				New material		25-4-29	

Expand the picture

Technical Requirements:

Material description :SUS304, T=0.4MM, Surface treatment: Nickel plating of 2μm

2. The key dimensions marked with "*" (IQC mandatory measurement grade A) have an unspecified tolerance of +/-0.10MM

3. There should be no oil stains or dirt on the surface. The punching should not be deformed and the knife marks around should not exceed 0.10mm.

4. Packaging method: Carrier tape packaging; During transportation, the products must not be bumped, scratched or damaged, etc.

5. Safety regulations requirements :RoHS.

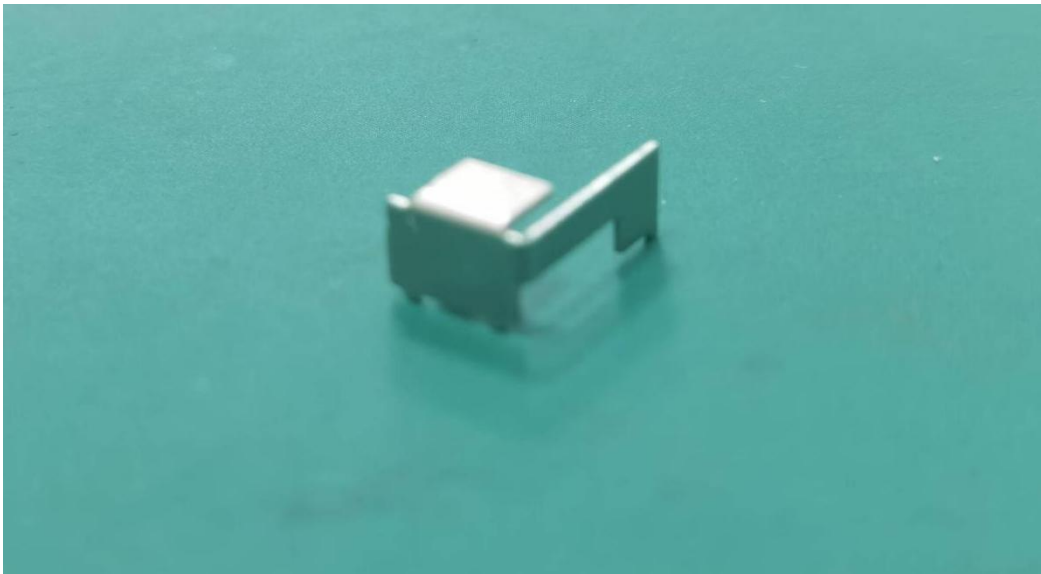
6. Quality requirements shall be implemented in accordance with the "IQC Incoming Inspection Specifications" of Dezal.

Design	Liu caijiang			Name	
To examine	Huang zhen			Customer item No	
Approval		Weight	Quantity	Proportion	
			1:1		

Sheet 1 of 1

Shenzhen Yishengbang Electronics Co., Ltd

5. Physical images



Product Code:
(1) Customer: Vision Source Electronics
(2) Antenna Name: Aluminum antenna T1108 (WIFI antenna)

6. Bill of Materials

Material code	SLK-CVTE-T1108		product name	WIFI antenna
order	Name of material	specifications	Qualified	remarks
1	hardware	SUS304	Hesheng	

7. Material certificate

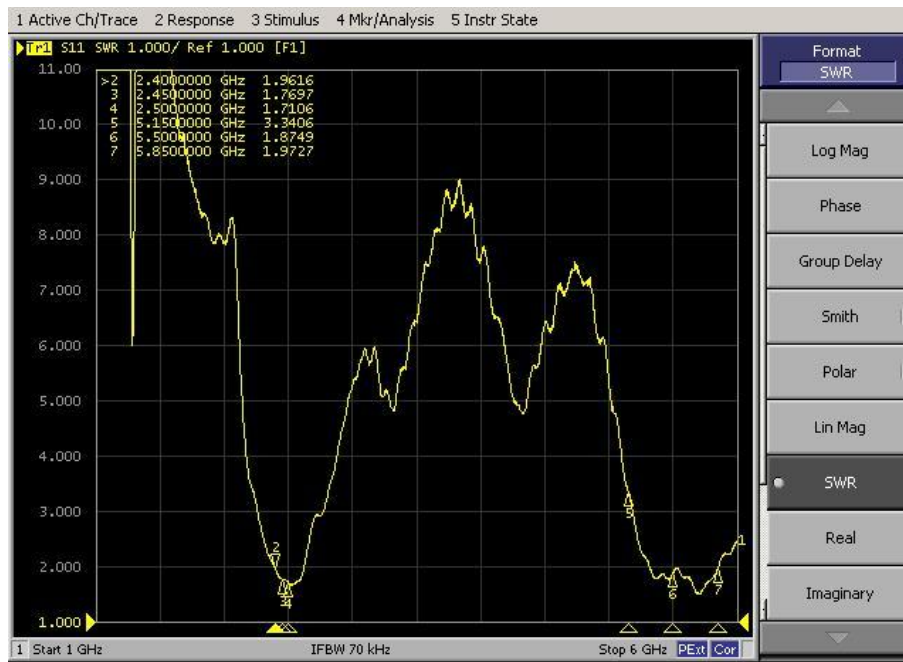
number No.	Material name Material name	description Describe	Testing agency Testing organization	Authentication code Authentication code	Report test date Report test date	state State
1	SUS304	SUS304	SGS	CANEC24003159501	2024/2/29	valid Effective

8. Test report

8-1 Antenna

the key technical indexes		Main technical specifications	
frequency range (MHZ)	2400-2500/ 5150-5850	Frequency Range (MHZ)	2400-2500/ 5150-5850
characteristic impedance (Ω)	50	Impedance(Ω)	50
output voltage standing-wave ratio	≤ 3.5	VSWR	≤ 3.5
Polarization mode	Horizontal/vertical polarization	Polarization	Horizontal/vertical polarization
directivity	omnidirectional	Radiation	Omni-directional
attended mode	Pin foot	Connector Type	Pin
physical property		Physical Properties	
Antenna material	SUS304	Antenna cover	SUS304
working temperature	-20°C~+70°C	Operating Temp	-20°C~+70°C
Storage temperature	-20°C~+70°C	Storage Temp	-20°C~+70°C

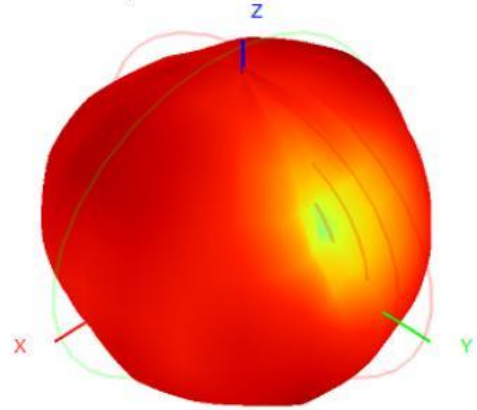
8-2. S11/VSWR



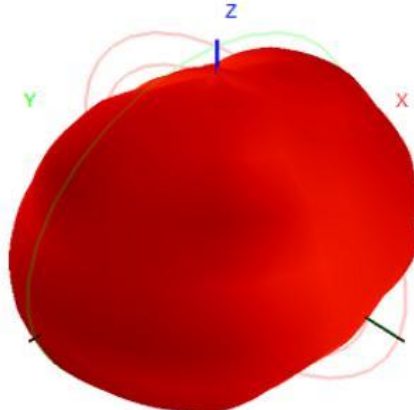
8-3.WIFI Antenna Gain/Efficiency/Radiation Pattern of 3D antenna

Frequency (MHz)	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500	5150	5350	5500	5650	5850
Efficiency (dBi)	-4.26	-3.88	-3.60	-3.52	-3.60	-3.45	-3.02	-3.39	-3.32	-3.37	-3.42	-3.29	-1.71	-1.58	-2.73	-1.63
Gain (dBi)	-0.83	-0.45	-0.21	-0.05	-0.34	-0.09	0.48	0.10	0.31	0.01	-0.01	2.44	3.54	3.06	2.16	4.79
Efficiency (%)	37.54	40.91	43.61	44.50	43.69	45.14	49.84	45.77	46.53	45.98	45.49	46.92	67.50	69.44	53.34	68.68

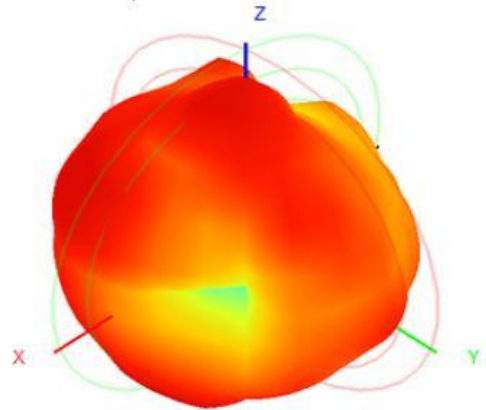
2450.0MHz H+V, Eff. 45.1%



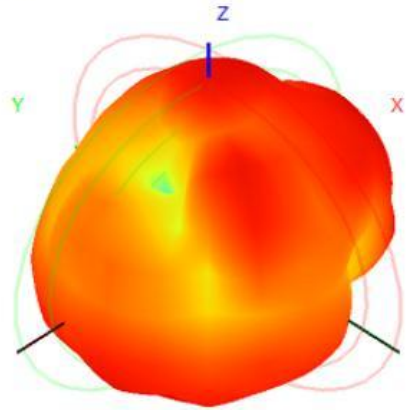
Back View



5850.0MHz H+V, Eff. 68.7%



Back View



9. Inspection report

9-1 Check the key dimensions of the sample

Date: 31 October 2024

customer name	Huikewo Co., LTD				
product model	SLK-CVTE-T1108				
order number	surface	size			
		antenna standing wave ratio	Length of the iron piece	Width of the iron piece	/
1	OK	< 3.5	11.32	7.82	/
2	OK	< 3.5	11.33	7.81	/
3	OK	< 3.5	11.33	7.82	/
4	OK	< 3.5	11.26	7.82	/
5	OK	< 3.5	11.32	7.81	/
Note: The antenna standing wave ratio is less than 3.5, and the size tolerance is according to the drawing specification.					

9-2 Salt spray test

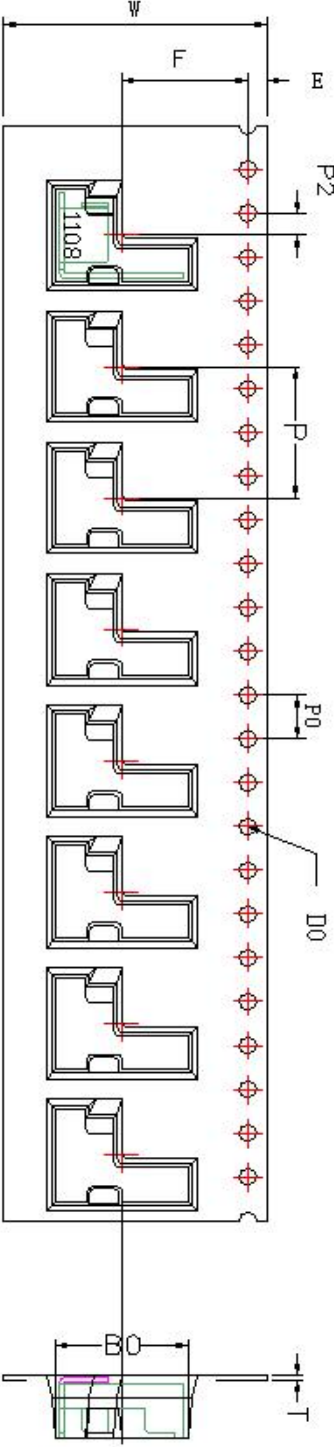
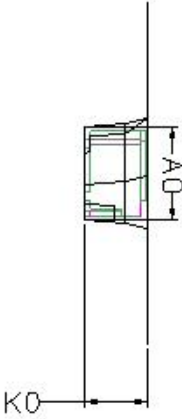
test item	Salt Spray Test																			
Product specification model	SLK-CVTE-T1108	Number of tests: 5PCS																		
Test time: 2024-10-30		Completion time: 2024-10-31																		
Test/inspection equipment: 1. HY-60D salt spray tester 2. HP-8753ES network analyzer																				
Test/inspection conditions: 1. The temperature in the salt spray chamber is 35±2°C; the laboratory temperature is 22-30°C 2. After 24H spray, the salt spray settling rate is 1-2ML/h per 80cm area with sodium chloride concentration of 50±10g/L and PH value It was 6.5/7.2																				
requirement: 1. Electrical test meets the standard requirements: voltage standing wave ratio test is qualified; 2. The metal surface coating has no oxidation, peeling, cracking, separation and other defects; the non-metallic part has no discoloration, deformation, delamination, cracking and other defects																				
<table><tr><th>Sample number</th><th>order of evaluation</th><th>Bad description</th></tr><tr><td>1</td><td>qualified</td><td>not have</td></tr><tr><td>2</td><td>qualified</td><td>not have</td></tr><tr><td>3</td><td>qualified</td><td>not have</td></tr><tr><td>4</td><td>qualified</td><td>not have</td></tr><tr><td>5</td><td>qualified</td><td>not have</td></tr></table>			Sample number	order of evaluation	Bad description	1	qualified	not have	2	qualified	not have	3	qualified	not have	4	qualified	not have	5	qualified	not have
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1	qualified	not have																		
2	qualified	not have																		
3	qualified	not have																		
4	qualified	not have																		
5	qualified	not have																		
Test/inspection judgment: ☐ Qualified ☐ unqualified ☐ No judgment																				
Test: Kingdom Walk		Audited by: Guo Liang																		

9-3 Constant temperature and humidity test

test item	Constant temperature and humidity test																			
Product specification model	SLK-CVTE-T1108	Number of tests: 5PCS																		
Test time: 2024-10-30		Completion time: 2024-10-31																		
Test/inspection equipment: 1. Programmable constant temperature and humidity test chamber 2. HP-8753ES network analyzer																				
Test/inspection conditions: 1. Test at room temperature 25°C and humidity 65% 2+80±2°C 85-90%RH /-30±2°C 0%RH 2 hours per cycle Time 24H																				
requirement: 1. Electrical test meets the standard requirements: voltage standing wave ratio test is qualified; 2. The metal surface coating has no oxidation, peeling, cracking, separation and other defects; the non-metallic part has no discoloration, deformation, delamination, cracking and other defects																				
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1	qualified	not have																		
2	qualified	not have																		
3	qualified	not have																		
4	qualified	not have																		
5	qualified	not have																		
Test/inspection judgment: ☐ Qualified ☐ unqualified ☐ No judgment																				
Test: Kingdom Walk		Audited by: Guo Liang																		

10. Packaging method

1		2		3		4		5		6	
A		B		C		D		A		B	
1		2		3		4		5		6	
ITRM		W		A0		B0		K0		K1	
DIM		24.00		8.05		11.65		5.90		--	
TOL		+0.30 -0.30		+0.15 -0.15		+0.15 -0.15		+0.10 -0.10		+0.10 -0.10	
P2		P		P0		D0		D1		P0	
2.00		1.50		1.50		1.50		1.50		1.50	
T		0.40		0.40		0.40		0.40		0.40	
Length/size		--M		--M		--M		--M		--M	
Component/size		--PCS		--PCS		--PCS		--PCS		--PCS	

Note:

- (1) The cumulative error of any 10 ratchet holes shall not exceed $\pm 0.20\text{mm}$.
- (2) The non-parallelism of 100mm in the length direction of the carrier tape must not exceed 1mm. Cumulative errors exceeding 250mm are not calculated.
- (3) The unspecified tolerance range is: $\pm 0.20\text{mm}$.
- (4) A0 and B0 are the bottom dimensions inside the cavity, and K0 is the internal dimension.
- (5) The thickness T of the material shall be measured at the edge of the carrier tape.

Customer		---		Unit: mm		Material: PS		Mold number: ---	
Name of carrier tape		---		Proportion: 1:1		Color: black		Figure Number: 24-01-0001	
Name of packaged product		916-070-1108		Customer Audit:		Approval:		Date: 2024-10-26	

