

## Yuanchuangxing electronics (Shenzhen) CO., LTD.

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Customer Name: SHENZHEN SRICCTV TECHNOLOGY CO., LTD

Customer Model:

Customer

Material No.:

5. 06. 0052

Customer

Specification:

Yuanchuangxing

Material No.:

YCX08W-W689-250B

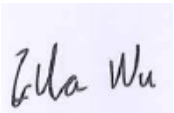
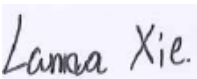
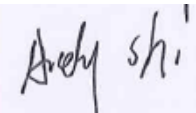
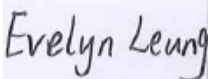

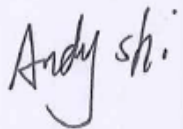
Yuanchuangxing

Specification

Description:

White one-piece 104.5mm long waterproof 2.4G (with O-ring) Grey feeder 250mm long with terminals

Specification Specificationcertificates

Confirmation Signature					
Yuanchuangxing confirms			Customer Confirmation		
sample making	audits	approvals	validate	audits	approvals
					
Yuanchua ngxing			Client		
Date	2023-09-22		Date	2023-09-22	

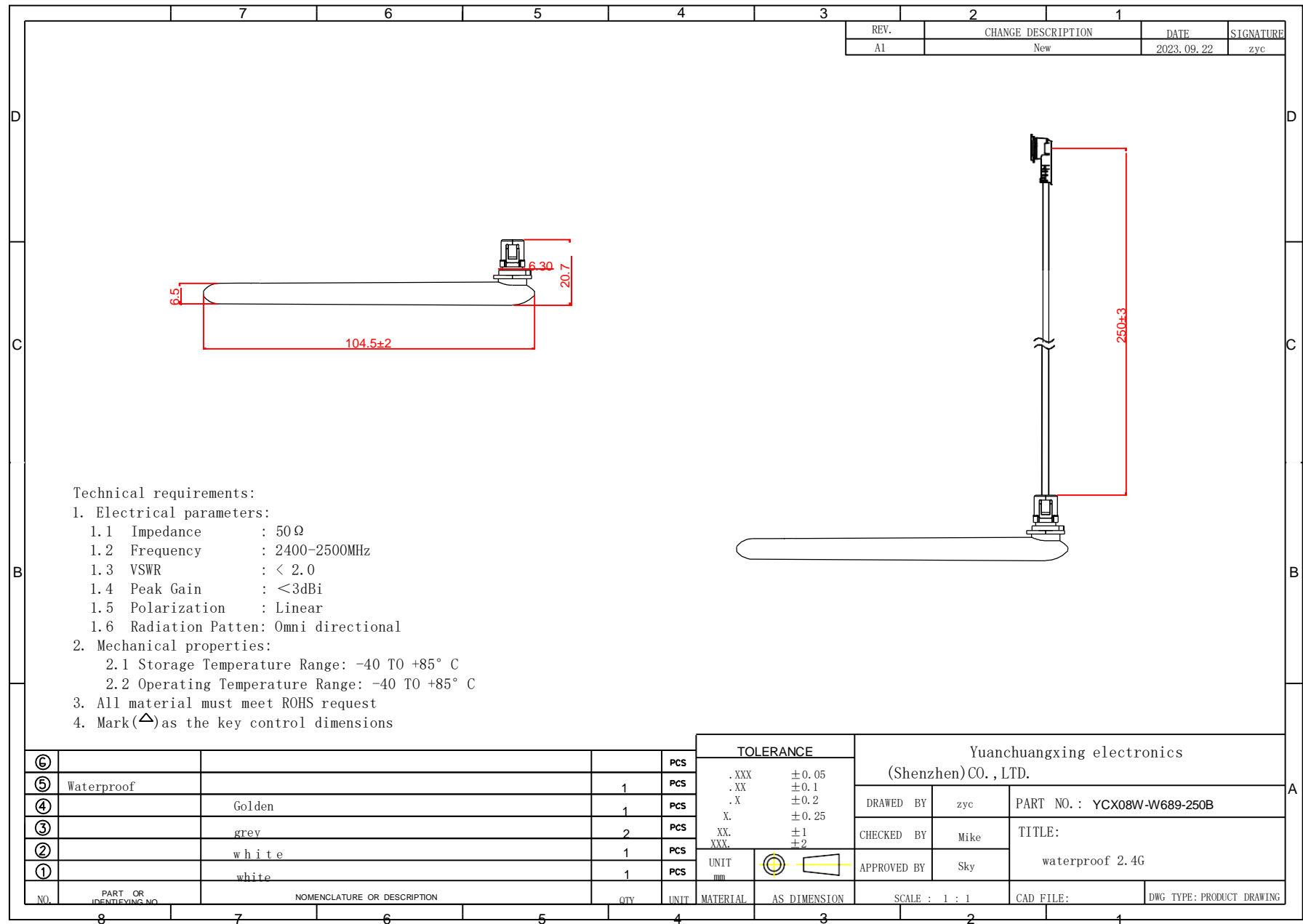
## Curricula vitae of documents created/revised/deleted

[illegible]

## 3. catalogue

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# Yuanchuangxing electronics (Shenzhen)CO.,LTD.

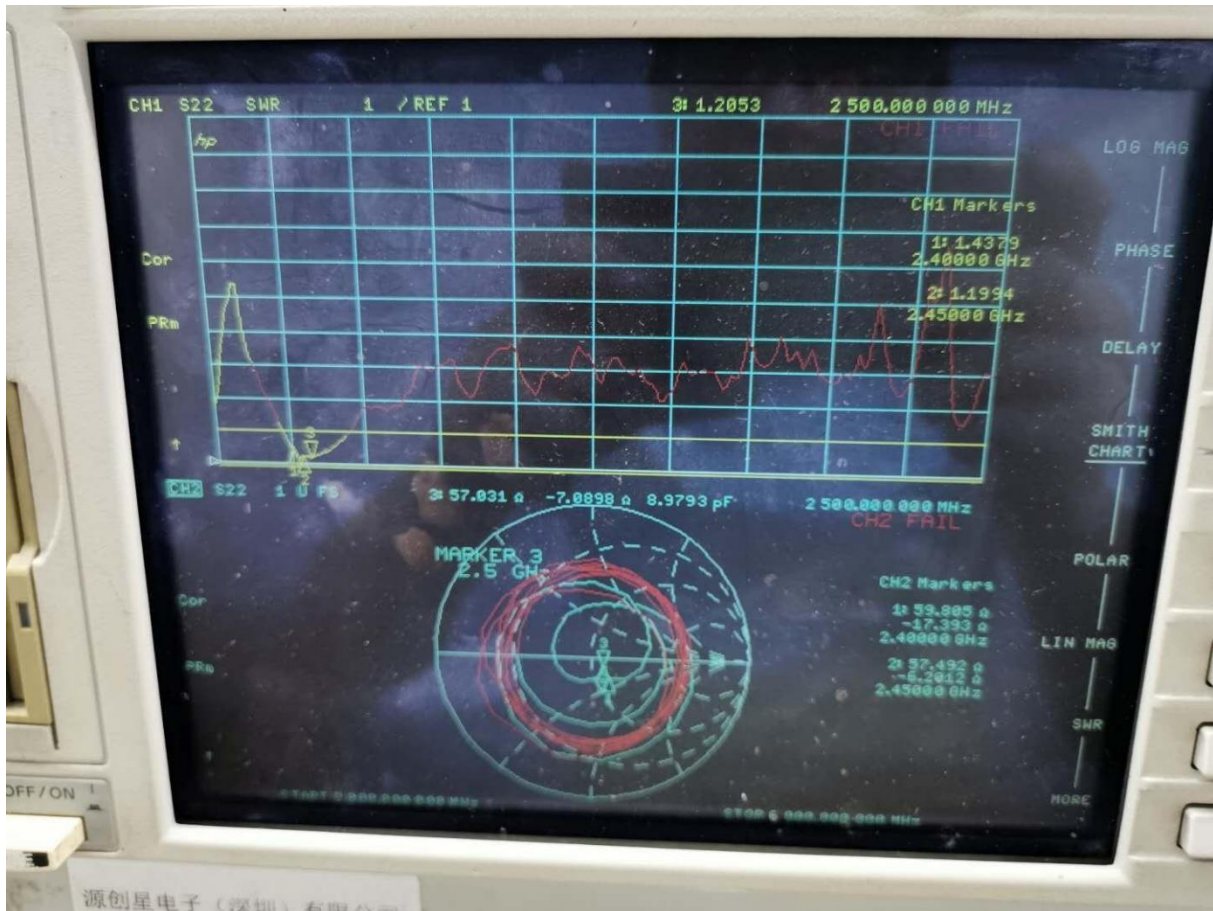


# Yuanchuangxing Electronics

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## 1. Passive Performance Test Parameters Number

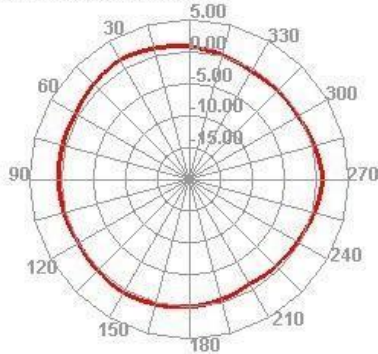
Frequency (GHz)	2.4	2.45	2.5
VSWR	1.44	1.20	1.20



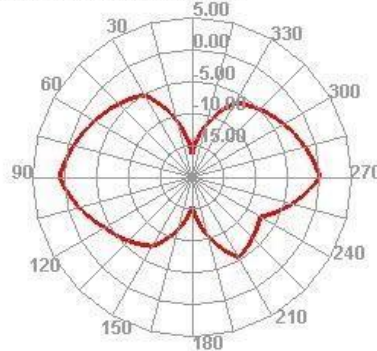
6. 2D and 3D performance graph

Passive Test For WiFi2.4G				
Freq (MHz)	Effi (%)	Gain (dBi)		
2400	60	1.86		
2450	61	1.82		
2500	61	1.91		

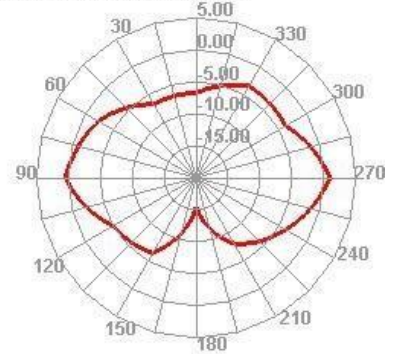
2400.000MHz H



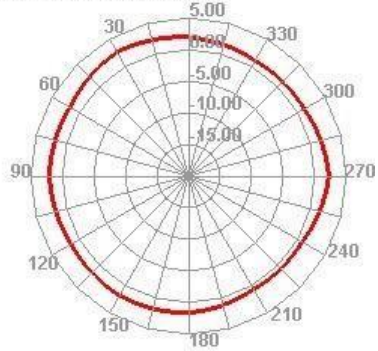
2400.000MHz E1



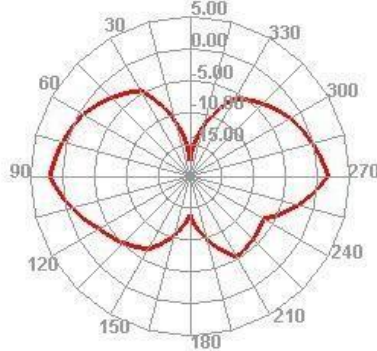
2400.000MHz E2



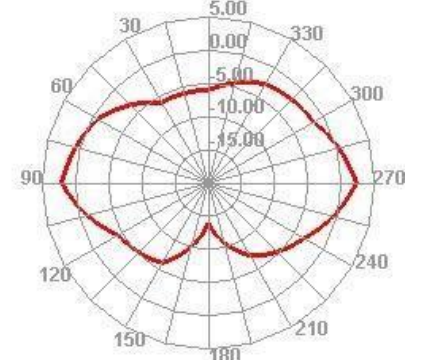
2450.000MHz H



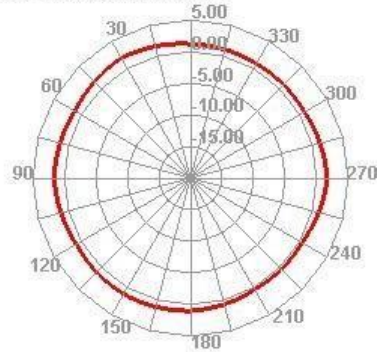
2450.000MHz E1



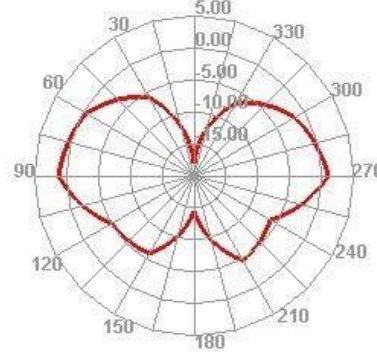
2450.000MHz E2



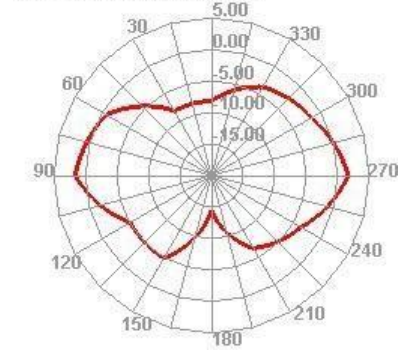
2500.000MHz H



2500.000MHz E1



2500.000MHz E2



7、Electrical  
performance  
parameters

Electric al paramete rs		
frequency range		2.4GHz-2.5GHz
Input Impedance		50Ω
standing wave ratio (physics)		<2.0 Control Sample Test Graph
gain (elect ronics )	2.4G-2.5G	<3dBi
	5.15G-5.85G	
polarisation mode		vertical polarisation
radiation direction		in all directions
connection method		IPEX
Mechanic al paramete rs		
length of a thread (e.g. of a parabo la)		
mainta ining power		
coaxial cable		RF1.13 black



Salt Spray	24H
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Test	
Environm ental paramete rs	
operating temperature	-40~85℃

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## 8. Reliability test report

### 8.1. Constant temperature and humidity tests

Tests/pilot projects	Constant temperature and humidity test	checklist number
Product Name/Specification	2.4G-3dBi White One Piece	Test Quantity: 5PCS
Date of delivery: 2022-09-15		Completion date: 2022-09-16
Test/inspection equipment: 1.Programmable constant temperature and humidity test chamber 2.8753ES Network Analyser		
Test/inspection conditions: 1.Test at constant temperature -40° C for 12H 2. +85° 65-70%RH test 12H, 24 hours total;		
Test Results		
Criteria for judgement: 1, the metal surface without cracks wrinkles, separation, etc.;non-metallic parts should not occur discolouration, cracking, deformation, degumming and other bad; 2、Electrical test meets the standard requirements;voltage VSWR test qualified		
Test/inspection determination: <input checked="" type="checkbox"/> Qualified      Failure      No judgement		
Test: Li Chunqiang      Audit: Wang Chunjiang		

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## 8.2 High and low temperature thermal shock

Tests/pilot projects	High and Low Temperature Cold and Heat Shock	checklist number
Product Name/Specification	2.4G- 3dBi White One Piece	Test Quantity: 5PCS
Date of delivery: 2022-09-15		Completion date: 2021-09-16
Test/inspection equipment: 1.High and low temperature alternating humidity and heat box 2.8753ES Network Analyser		
Test/inspection conditions: -30° C (2H) - 80° C (2H) intervals, 6 cycles for 24 hours;		
Test Results		
Criteria for judgement: 3, metal surface plating should be no flaking, cracking wrinkles, separation, etc.; non-metallic parts should not occur discolouration, cracking, deformation, degumming and other bad; 4、Electrical test is in accordance with the standard; the voltage VSWR test is qualified.		
Test/inspection determination: <input checked="" type="checkbox"/> Qualified      Failure      No judgement		
Test: Li Chunqiang      Audit: Wang Chunjiang		

# Yuanchuangxing electronics (Shenzhen)CO., LTD.

Specification for sample inspection of structural components			
Structural component sample inspection results shall contain the following:			
form	Specific ation items	form	Specific ation items
①App earan ce & Gauge integri ty testing	1、Check the surface with or without water folder, gas pattern, shrinkage, whitening, scratches, bruises, material flowers, oil stains and so on.	③Reli abilit y perfor mance test (machin ery etc)	1. Storage temperature range
	2、Check the edges, rubber pillars, limits, orifices, window Grids, slots, etc., there is no batch of peaks, go glue is not flush, broken columns, edge collapse, water cut flat, material brittle and so on.		2、Operating temperature range
			3、Flame retardant
	3. Tapping into the appropriate specification screws, which must not be whitened. Bursting or sliding teeth		4、Drop test
	4, check the surface treatment (oil spraying, silkscreen, hot stamping colour, silkscreen content, processing effect: ① silkscreen hot stamping pieces - whether there are mutilations, teeth, fat oil, heavy shadow, uneven thickness and leakage; ②oil spray hot stamping pieces ---Whether the oil colour is uniform, yin and yang colour, grain, scratches, stray colours, burnt and impurities, etc., silkscreen and hot stamping position whether there is alignment, skew, misalignment now! shape		5, 3M adhesive paper /white grid /rubber / alcohol (75% ~ 80% concentration) test (a total of 4 items, for screen printing oil spraying materials)

	Test result: qualified		Test result: qualified
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	note		note
②Dimensions & Mechanical Properties	1, the illustrated size inspection (in accordance with the tolerance range, focusing on checking the CPK have marked or description of the size)	④Materials & Packaging etc. ⑤⑥ other than	1、Material composition report confirmation
	2, levelling test and other accessories with tightness to ensure that know		2. Packaging and other precautions:
	3, lenses, light guide column light transmission test confirmation		
	Test result: qualified		Test result: qualified
	note		note

Sample fitting test results: qualified    Inspection person in charge: Zheng Yunxia