

Yuanchuangxing Electronics (Shenzhen) Co., Ltd.

Yuanchuangxing electronics (Shenzhen) CO., LTD.

Visitor Door Name Call: Thousand birds

Visitor Door Trigger mechanism . Type:

Visitor Door Expect Number:

. Customer specification description:

Yuan Chuangxing Material YCX08N-1211-80B.

number: Yuanchuangxing 2.4G FPC. Black1.13Line
Specification length80 mmWith terminal

Description:

Dividers Square Book

Firm Recognize Sign Character Lid Rules

Yuan Chuangxing confirmed

Customer's confirmation

Sampling	Check	Ratify	Test and verify	Check	Ratify
Zou Yangchen					
Yuan Chuangxing's signature and seal			Customer's signature and seal		
Sun A whole year or month	2024-07-08		Sun A whole year or month	2024-07-08	

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Document formulation/Revise/Abolition of the resume

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4, product drawings

Di		7	6	5	4	Thr ee	2	1	Di		
m e n s i o n		www.yuanchuangxing.cn				REV.	CHANGE DESCRIPTION	. DATE	SIGNATURE	m e n s i o n	
C e n t i g r a d e						A1.		2024.07.08	Zyc	C e n t i g r a d e	
B											
T	h										
Technical requirements:											
1. Electrical parameters:											
1.1 Impedance. : 50 Ω											
1.2 Frequency : 2400-2500MHz											
1.3 VSWR. : < 2.0											
1.4 Peak Gain. : 2dBi											
1.5 Polarization: Linear											
1.6 Radiation Patten: Omnidirectional											
2. Mechanical properties:											
2.1 Storage Temperature Range: -40 TO +85° C											
2.2 Operating Temperature Range: -40 TO +85° C											
3. All material must meet ROHS request											
4. Mark(△ as the key control dimensions											

				TOLERANCE		Yuanchuangxing Electronics (Shenzhen) Co., Ltd.			
						Yuanchuangxing electronics (Shenzhen) CO., LTD.			
⑥				. XXX.	±0.05				
				. XX.	±0.1				
⑤				Unknown	±0.2				
				X.	±0.25				
④				XX. ±1 XXX.		DRAWN BY	Zyc	PART NO. :YCX08N-1211-80B.	
				±2					
③	Terminal	Gold colour1.13Terminal		1	PCS	CHECKED BY	Mike.	TITLE: WIFI 2.4GAerial RF 1.13Black80 mmWith terminal	
				1	PCS				
②	Wire rod	1.13 Black		1	Unit mm	APPROVED BY	Sky.		
				1	PCS				
①	FPC.	Black		1	Unit mm	APPROVED BY	Sky.		
				1	PCS				
NO.	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION		Quantity	UNIT	MATERIAL	. AS DIMENSION	SCALE: 1:1 CAD FILE: DWG TYPE: PRODUCT DRAWING	
8	7	Three		5	4			2 1 www.yuanchuangxing.cn	

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5, nonSource performance test parameters

Frequency (GHz)	Two four	2.45	2.5	5.15	5.55	5.85
VSWR.	1.66	1.35	.1.46			

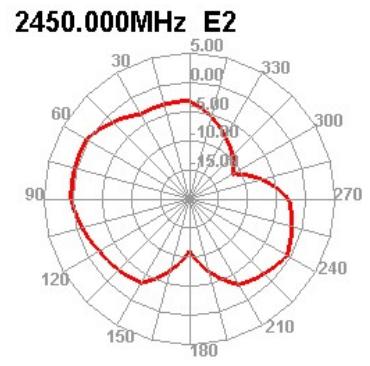
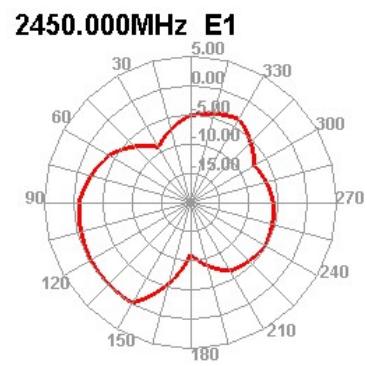
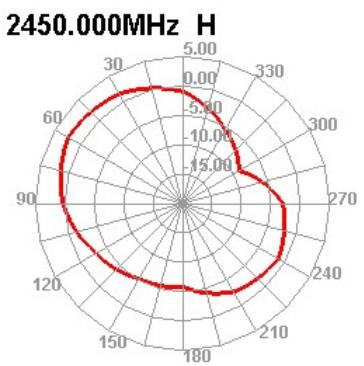
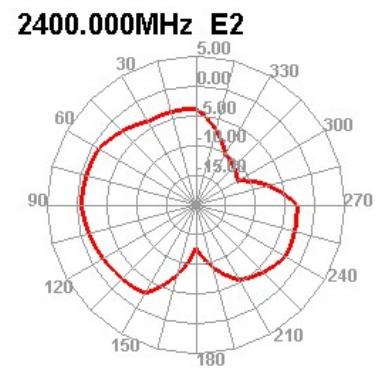
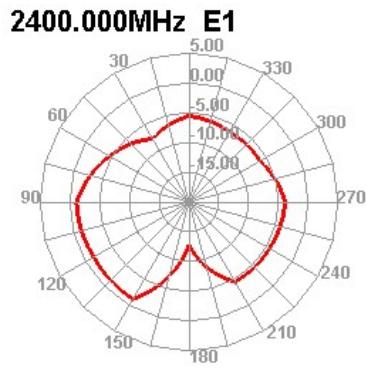
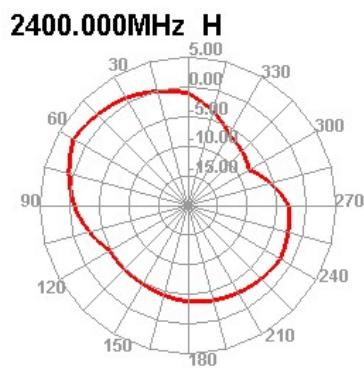


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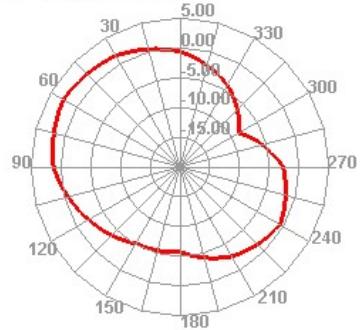
Passive Test For WiFi

Freq. (MHz)	Effi (In)	Gain. (dBi)	
2400	60	2.7	
2450	63	2.84	
2500	62	2.73	

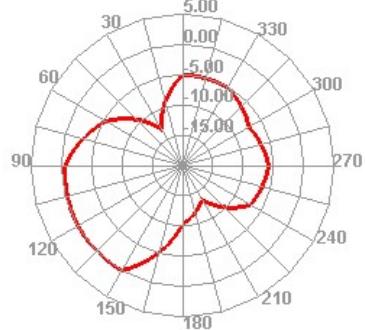
6、2D. , 3D. Performance diagram



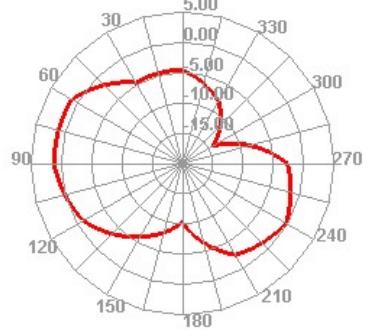
2500.000MHz H



2500.000MHz E1



2500.000MHz E2



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7、 Electrical performance parameters

Electrical parameters		
Frequency range		. 2. 4GHz to 2. 5GHz
Input impedance		50Ω
Stationary wave ratio		Less than 2.5 Test the graphics against the sample
Incre ase	2. 4G-2. 5G	<ThreeDBi
	5. 15G to 5. 85G	
Polarization method		Vertical polarization
Radiation direction		Omni-round
Connection method		IPEX.
Mechanical parameters		
See the length of the line		
Maintaining power		
Coaxial cable		
Salt spray test		

Environmental parameters	
Working temperature	-40~85°C

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8、 Reliability test report

8. 1. Constant temperature and humidity test

Test/Experimental projects	Constant temperature and humidity test	Inspection order number
Product name/Specifications	FPC.Aerial	Number of tests: 5 PCS
Date of delivery for inspection:2024-07-05		Date of completion:.2024-07-06
Test/Inspection equipment: 1.Programmable constant temperature and humidity experimental chamber 2.8753ES Network analyzer		
Test/Inspection conditions: 1. Constant temperature-40°C Next test 12H 2. .+85 degrees65~70 percent RH Test 12 hours, Share 24 Hours;		
Try Prove effective through practice Bear Fruit		
Criteria for judgment: 1、 There are no cracks, wrinkles, separation, etc. on the metal surface.;Non-metallic parts should not have discoloration, cracking, deformation, degumming and other defects.; 2、 The electrical test meets the standard requirements.;Passed the voltage standing wave ratio test		

Test/Inspection and judgment: <input checked="" type="checkbox"/> Qualified <input type="checkbox"/> Unqualified <input type="checkbox"/> Don't make a judgment		
Test: Li Chunqiang	Review: Wang Chunqiang	

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8.2 High and low temperature cold and heat shock

Test/Experimental projects	High and low temperature cold and heat shock	Inspection order number
Product name/Specifications	FPC. Aerial	Number of tests: 5 PCS
Date of delivery for inspection: 2024-07-05		Date of completion: 2024-07-06

Test/Inspection equipment:

1. High and low temperature alternating wet and hot box
2. 8753ES Network analyzer

Test/Inspection conditions:

-30°C (2H)---Interval 80°C (2H), 6 Second cycle, a total of 24 Hours;

Try Prove effective through practice Bear Fruit

Criteria for judgment:

3、The metal surface coating should have no peeling, cracks, wrinkles, separation, etc.; Non-metallic parts should not have discoloration, cracking, deformation, degumming and other defects.;

4、The electrical test meets the standard. ; The voltage standing wave ratio test is qualified.

Test/Inspection and judgment: Qualified

Unqualified Don't make a

judgment

Test: Li Chunqiang

Review: Wang Chunjiang

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Inspection specifications for structural parts samples

The inspection results of structural samples should include the following:

Classification	Specification items	Classification	Specification items
10 outward appearance and specification inspection	1, check whether there are water lines, air lines, shrinkage, whiteness, scratches, scratches, material flowers, oil stains, etc. on the surface.	ThreeAp prove Rely on performance testing	1, storage temperature range

	2, check whether there are batch peaks in the corners, glue columns, limits, holes, windows, slots, etc., uneven glue, broken columns, edge collapse, water mouth cut flat, material brittle, etc.		2, operating temperature range
			Three, flame retardant
	Three, enter the corresponding specification screw, and there should be no white, bursting or slipping teeth.		4, drop test
	4, check the surface treatment (oil spraying, screen printing, hot stamping color, screen printing content, processing effect: 1Silk-printed gold-plated pieces---Are there any defects, teething, oil, shadows, uneven thickness and missing leaks?; 2Oil-injected gold-plated parts ---Whether the oil color is uniform, yin and yang color, graining, scratching, mottled, burning and impurities, etc., and whether there is a deviation, skew and misalignmenon in the position of screen printing and gold stamping?		5, 3M. Adhesive paper/White grid/Eraser/Alcohol (.75 percent~80 percentConcentration) test (total 4Item, for silk-printed oil injection materials)
	Inspection result: qualified		Inspection result: qualified
	Remarks		Remarks
2Measurement And Mechanical properties	1, Illustrated size inspection (according to the tolerance range, key inspection CPK.. Marked or indicate the size)	4Texture of wood AndPack aging, etc. 56 Other	1, material composition report confirmation
	2, flatness test and tightness confirmation with other accessories		2, packaging method and other precautions:

	Three, lens, light guide column light transmission test confirmation		
	Inspection result: qualified		Inspection result: qualified
	Remarks		Remarks
Sample trial inspection results: qualifiedPerson in charge of inspection: Zheng Yunxia			