Yuanchuangxing electronics (Shenzhen)CO.,LTD.

client's name:	General
Client model:	
Customer part number:	
,	
Customer specification description:	
Yuanchuangxing material number:	YCX08W-W704-SMA
Yuanchuangxing specification description:	White blade 2.4G5DBI SMA male and female pin antenna
. daniendanig opeoniodion decomption.	

Specifications

	Confirm signature and seal					
Υι	Yuan Chuang Xing confirmed			client confirmation		
Sample prep	aration review	Approval \	/erification Re	view Approval		
Zou Yangchen	Wang Chunjiang					
	Yuanchuangxing signature cover sheet			Customer signature cover sheet		
Date	Date 2023-2-13		date	2023-	2-13	

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Document development/revision/revocation resume

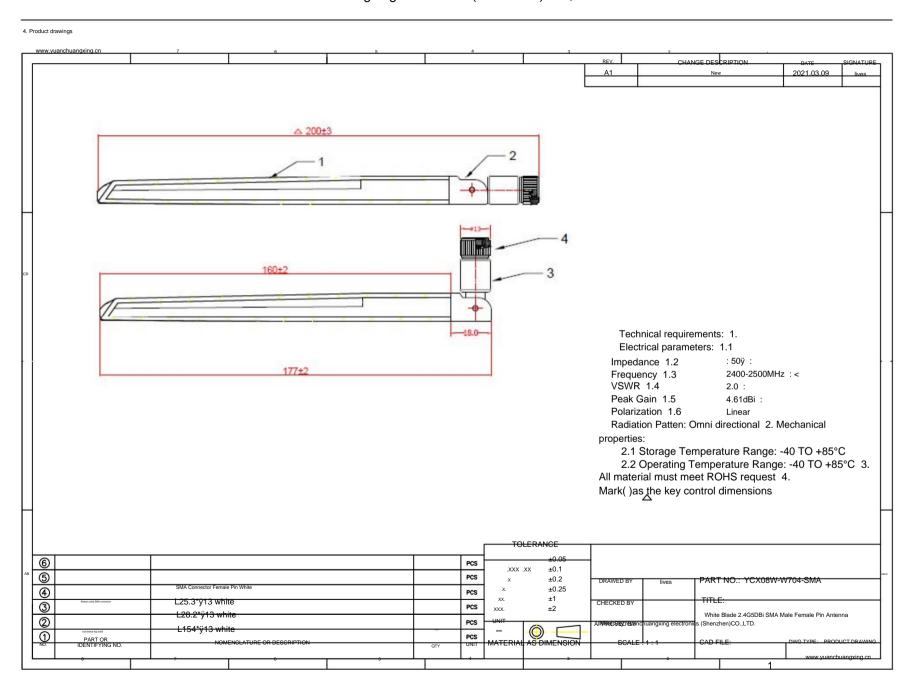
Version	date	Create/revise content	Develop a nu	ıclear readiness	note
A1	2023.2.13		Zou Yangchen V	Vang Chunjiang	
·					
20					

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3. Directory

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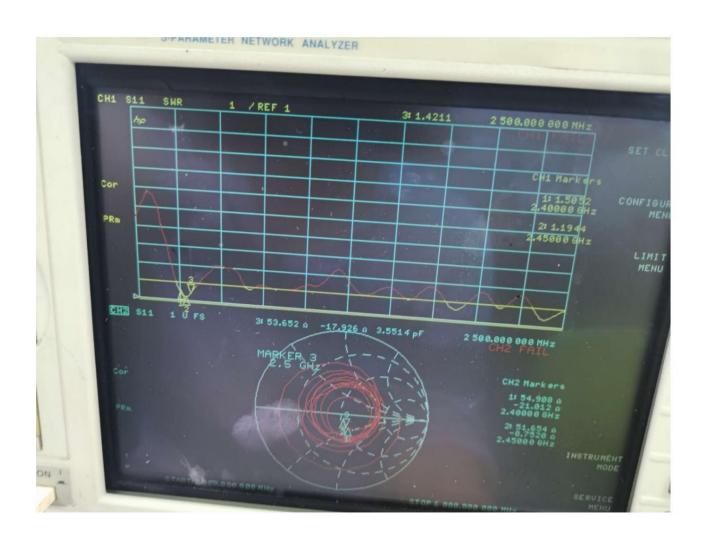
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5. Passive performance test parameters

Frequency(GHz)	2.4	2.45	2.5
VSWR	1.58	1.19	1.42

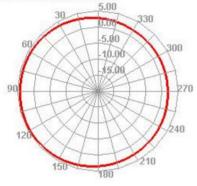


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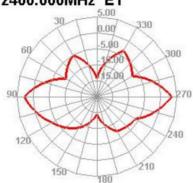
6. 2D and 3D performance graphs

	Passive Test For WiFi2.4G				
Freq	Effi	Gain			
(MHz)	(%)	(dBi)			
2400	80	4.61			
2450	80	4.34			
2500	78	4.60			

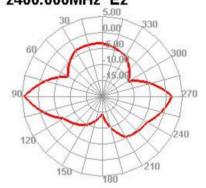
2400.000MHz H



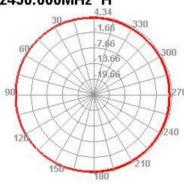
2400.000MHz E1



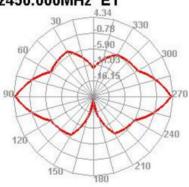
2400.000MHz E2



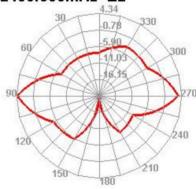
2450.000MHz H



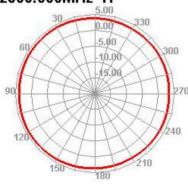
2450.000MHz E1

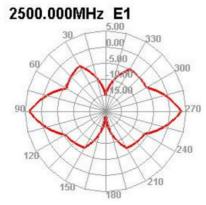


2450.000MHz E2

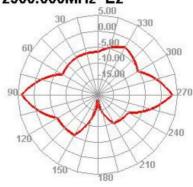


2500.000MHz H





2500.000MHz E2



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7. Electrical performance parameters

	Electrical parameters			
Frequency Range		2.4GHz-2.5GHz		
inp	out resistance	50ÿ		
,	VSWR	<2.0 Control sample test pattern		
	2.4G-2.5G	5±1dBi		
gain	5.15G-5.85G			
Pola	arization vertical polarization			
Rac	liation direction is omnidirect	ional		
Cor	nnection method SMA			
		Mechanical parameters		
S	ee line length			
S	ustainability			
Coa	axial Cable RG178 Brown			
Salt	t spray test 24H			
		Environmental parameters		
Operating temperature		-40~85ÿ		

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8.	Relia	bility	test	repo	rt
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8.1. Constant temperature and humidity test

Test/Test Item Constant temp	erature and humidity test		Inspection order number
Product Name/Specification	2.4G-5dBi White SMA Antenn	a	Test Quantity: 5PCS
Inspection date: 2023-2-	10		Completion date: 2023-2-11
Test/inspection equipment:			
1. Programmable constant tempera	ture and		
humidity test box 2. 8753ES network	k analyzer		
Test/inspection			
conditions: 1. Test at constant	t temperature		
-40°C for 12H 2. Test at +85°6	55ÿ70%RH for 12H, a total of 24 hour	s;	
	te	est results	
Judgment criteria:			
1. There are no cracks, wrinkles, so	eparation, etc. on the metal surface; discolor	ation, cracking, deformation, degui	mming, etc. should not occur on non-metallic parts; 2. The
	equirements; the voltage standing wave ratio		
Test/inspection judgment: ÿ Pa	assed	ÿ Unqualified	ÿNo judgment

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8.2 High and low	temperature	thermal	shock
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Test/test items High and low temperature thermal shock	Inspection order number
Product Name/Specification 2.4G- 5dBi White SMA Antenna	Test Quantity: 5PCS
Inspection date: 2023-2-10	Completion date: 2023-2-11
Test/inspection equipment: 1.	·
High and low temperature alternating	
humid heat box 2. 8753ES network analyzer	
Test/inspection	
conditions: -30°C (2H)interval 80°C (2H), 6 cycles, 24 hours in total	
test	results
Judgment criteria:	
3. Metal surface coating should be free of peeling, cracks, wrinkling, separation, et	.; non-metallic parts should not have discoloration, cracking, deformation, degumming, etc.; 4.
The	
electrical test meets the standards; the voltage standing wave ratio test is qualified	
Test/inspection judgment: ÿ Passed ÿ Un	qualified ÿNo judgment
Test: Li Chunqiang Review	er: Wang Chunjiang

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Structural compone	Structural component sample inspection					
specification The str	specification The structural component sample inspection results shall include the following contents:					
1	Cotogony Specification Cotogony Specification item					
Category	Specification	Category	Specification item			
ÿ	item 1. Check whether there are water marks, air marks, shrinkage,	ÿ reliability	Storage temperature range			
Appearance	whitening, scratches, bruises, material flowers, oil stains, etc. on the surface					
& Specification Ins	pection	test				
	2. Check the corners, glue pillars, limits, orifices, panes, slots, etc. for		Operating temperature range			
	batch peaks, uneven glue movement, broken pillars, edge collapse,					
	sprue cut flat, and material brittleness, etc.					
			3. Smoldering			
	3. Screw in the corresponding specification screws, and there should be		4. Drop test			
	no whitening, bursting					
	or sliding teeth. 4. Check the surface treatment (oil injection, silk screen		5. 3M gummed paper/white grid/rubber/alcohol (75%~80% concentration) test (4 items in total,			
	printing, bronzing color, silk screen content, processing effect: ÿSilk		for silk screen printing materials)			
	screen bronzing partswhether there are defects, cracks, etc. Tooth,					
	fat, ghosting, uneven thickness and missing; ÿ Oil spray bronzing parts					
	whether the oil color is uniform, yin and yang, graining, scratches,					
	variegated, burnt and impurities, etc., whether the silk screen and					
	bronzing positions are There are displacement, deflection and					
	misalignment					
	Test result: qualified	1	Test result: qualified			
	Remark	3	Note 1.			
	Diagram size inspection (according to the tolerance range, focus on	ÿMaterial &	Confirmation of material composition report			
ÿDimensions	checking that the CPK has a mark or indicates the size)	Packaging,				
& mechanical pro	perties	etc. ÿÿ Others				
	Flatness test and other accessories to confirm the tightness 3. Lens,		Packaging method and other precautions:			
	light					
	guide column light transmission test confirmation					
	Test result: qualified	17	Test result: qualified			
	Remark		Remark			
Sample test resi	ults: qualified Inspe	ection person in char	ge: Zheng Yunxia			