

源创星电子（深圳）有限公司

Yuanchuangxing electronics (Shenzhen) CO., LTD.

Customer Name: 乐为

Customer Moder:

Customer P/N: 1. ANT. ANT844410001

Customer Describe:

YCX P/N: YCX09N-B1040-84B

Customer Describe: 5G brass tube antenna (φ4.4*10) 1.13cable Length=84mm

PRODUCT SPECIFICATION

Signature and seal of confirmation					
YCX Approved			Customer Approved		
Sample	audit	approved	validation	audit	approved
zouyc					
YCX Approved By			Customer Approved By		
Date	2024-5-22		Date	2024-5-22	

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File for amendment/revocation/resume

[illegible]

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	7	6	5	4	3	2	1		
						REV.	CHANGE DESCRIPTION	DATE	SIGNATURE
						A1	New	2024.05.22	zyc

△ 84±3

Technical requirements:

- Electrical parameters:
 - Impedance : 50 Ω
 - Frequency : 5150~5850Mhz
 - VSWR : < 2.0
 - Peak Gain : 3.21 Max dBi
 - Polarization : Linear
 - Radiation Patten: Omni directional
- All material must meet ROHS request

NO.	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION	QTY	UNIT	MATERIAL	AS DIMENSION	SCALE : 1 : 1	CAD FILE:	DWG TYPE: PRODUCT DRAWING
⑥									
⑤									
④	connect	1.13 IPEX	1	PCS					
③	Cable	1.13 Black	1	PCS					
②	Brass Tube	Φ4.4*10 Nickel plating	1	PCS					
①	Heat Tube	Black	1	PCS					

TOLERANCE

. XXX	±0.05
. XX	±0.1
. X	±0.2
X.	±0.25
XX.	±1
XXX.	±2

UNIT
mm

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DRAWN BY	zyc	PART NO.: YCX09N-B1040-84B
CHECKED BY	Mike	TITLE:
APPROVED BY	Sky	5G brass tube antenna

SCALE : 1 : 1

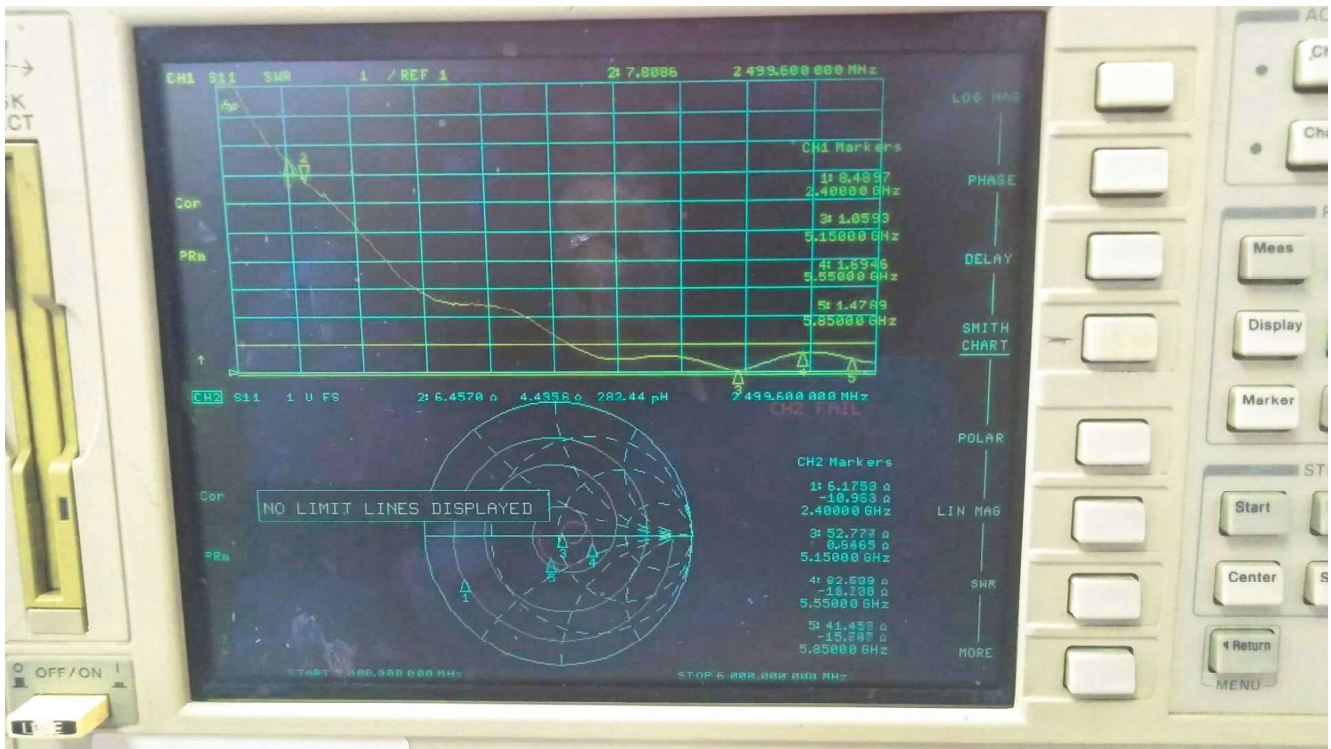
CAD FILE: DWG TYPE: PRODUCT DRAWING

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5、Passive performance test parameters

Frequency(MHz)	5150	5500	5850	
VSWR	1.05	1.69	1.47	



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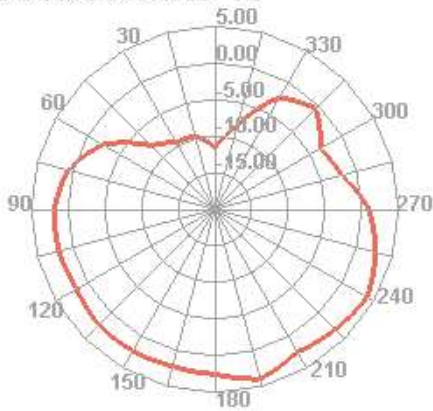
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6、2D、3D Performance figure

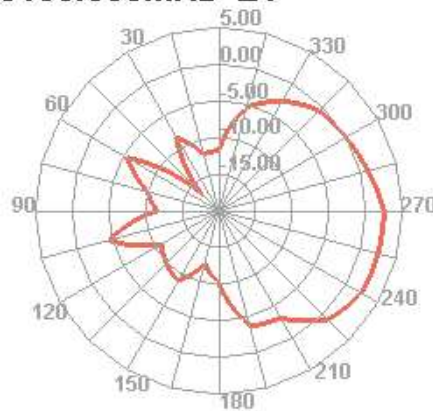
Passive Test

Freq (MHz)	Effi (%)	Gain (dBi)	
5150	68	3.21	
5500	67	3.12	
5850	60	2.44	

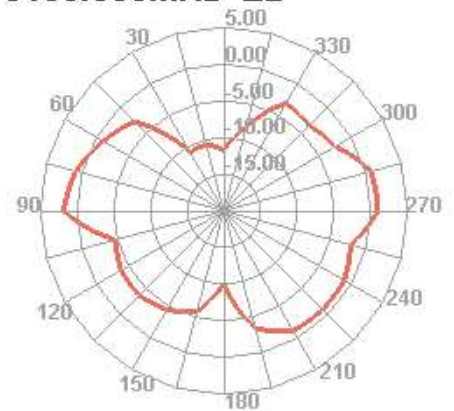
5150.000MHz H



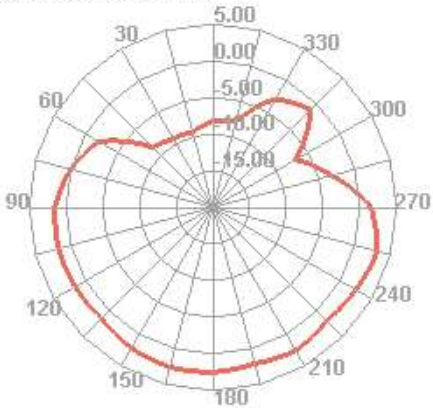
5150.000MHz E1



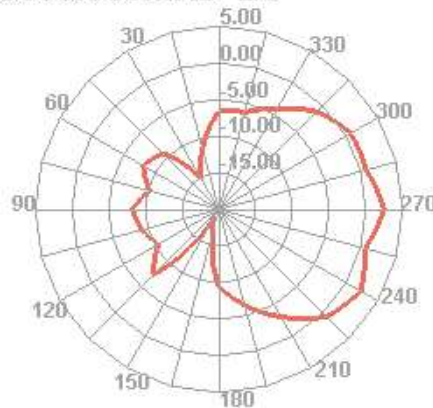
5150.000MHz E2



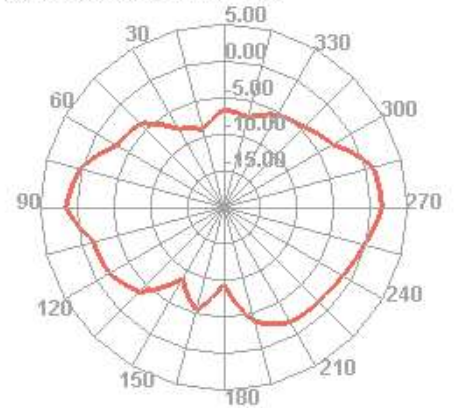
5500.000MHz H



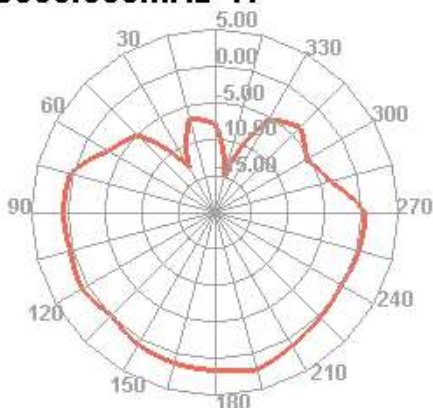
5500.000MHz E1



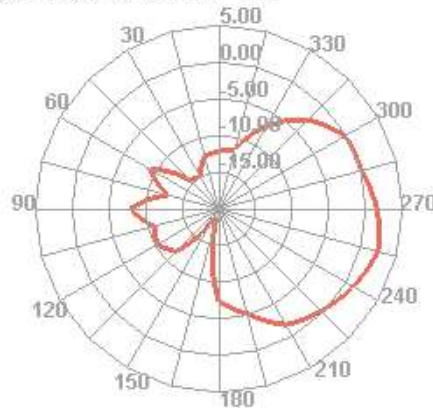
5500.000MHz E2



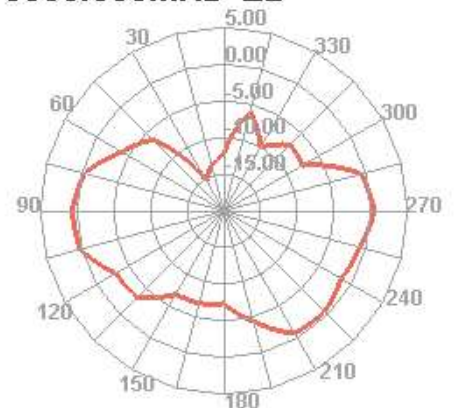
5850.000MHz H



5850.000MHz E1



5850.000MHz E2



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7、Electrical performance test report

Electrical parameters	
Frequency range	5150-5850Mhz
input impedance	50Ω
VSWR	<2.0
Gain	3.21dBi MAX
Polarization mode	Vertical polarization
Radiation direction	omnidirectional
connection method	IPEX
Mechanical parameters	
Cable	
Salt spray test	
Environmental parameters	
Working temperature	-20~65℃