

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. ANT904412501

Customer Describe:

YCX P/N: YCX09N-B791-90B

Customer Describe: 5G brass tube antenna (φ4.4*12.5) 1.13cable Length=90mm

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	2023-6-6		Date	2023-6-6	

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File for amendment/revocation/resume

[illegible]

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4、Product drawings

7		6	5	4	3	2	1	SIGNATURE zyc	
REV.		CHANGE DESCRIPTION		DATE					
A1		New		2023.06.06					

△

90±3

②

①

③

④

Technical requirements:

1. Electrical parameters:

1.1 Impedance : 50 Ω

1.2 Frequency :5150-5850Mhz

1.3 VSWR : < 2.0

1.4 Peak Gain : 2dBi

1.5 Polarization : Linear

1.6 Radiation Patten: Omni directional

2. All material must meet ROHS request

⑥

⑤

④

③

②

①

NO.

connect

Cable

Brass Tube

Heat Tube

PART OR IDENTIFYING NO.

1.13 IPEX

1.13 Black

φ4.4*12.5 Nickel plating

Black

NOMENCLATURE OR DESCRIPTION

TOLERANCE

.XX
.XX
.X
.X
.XX
.XX

±0.05
±0.1
±0.2
±0.25
±1
±2

UNIT

mm

AS DIMENSION

Yuan

chuan

xing

electronics

(Shenzhen)

CO., LTD.

DRAWN BY

zyc

CHECKED BY

Mike

APPROVED BY

Sky

PART NO. : YCX09N-B791-90B

TITLE:

5G brass tube antenna

SCALE : 1 : 1

CAD FILE:

DWG TYPE: PRODUCT DRAWING

8

7

6

5

4

3

2

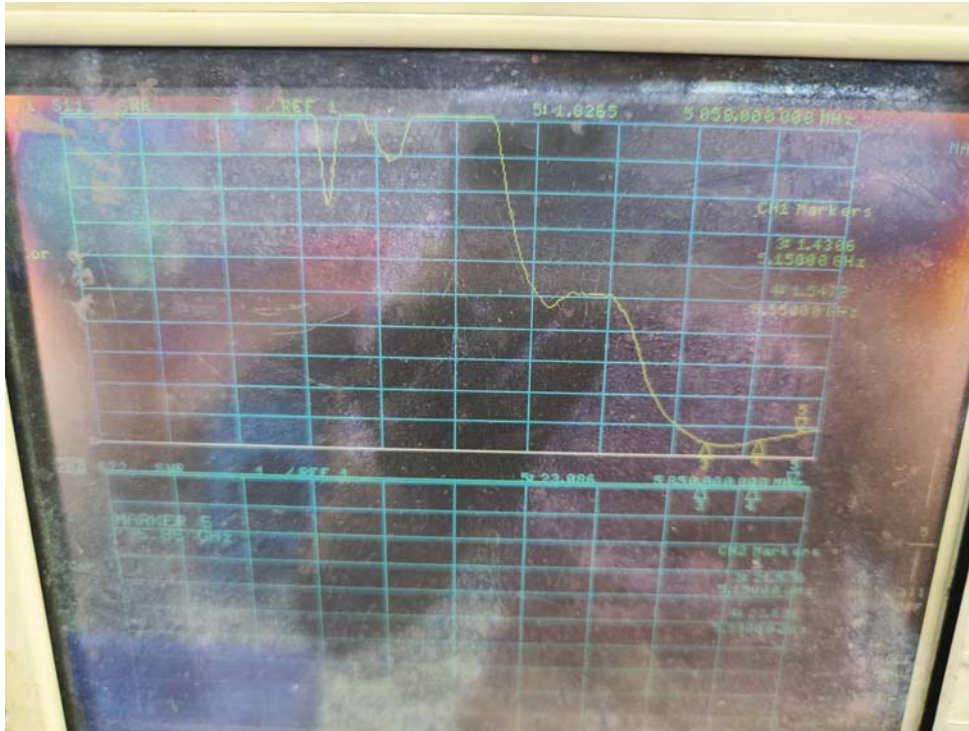
1

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5、Passive performance test parameters

Frequency(MHz)	5150	5500	5850	
VSWR	1.43	1.54	1.83	



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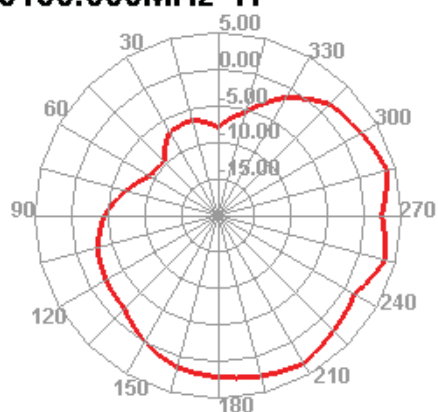
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6、2D、3D Performance figure

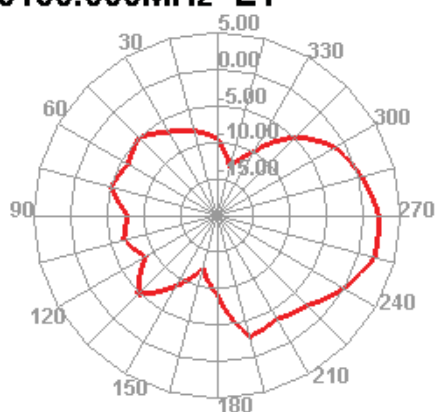
Passive Test

Freq (MHz)	Effi (%)	Gain (dBi)		
5150	67	2.71		
5500	64	2.82		
5850	65	2.92		

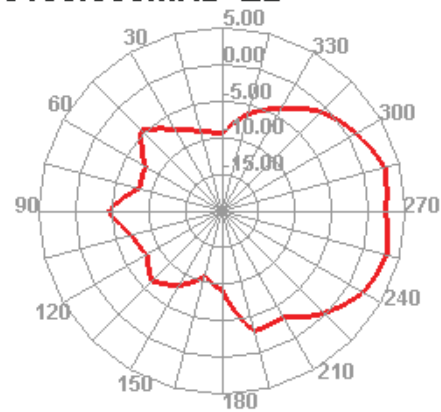
5150.000MHz H



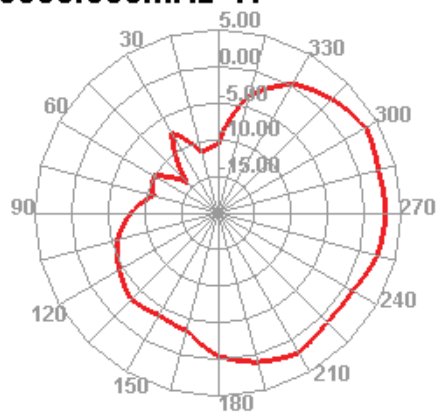
5150.000MHz E1



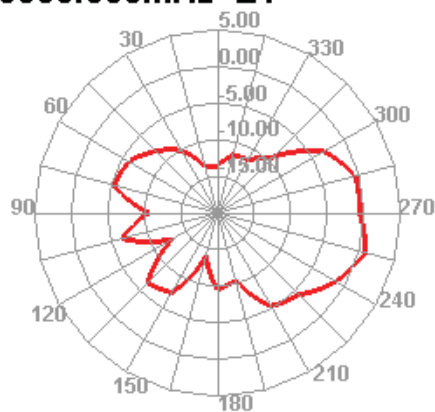
5150.000MHz E2



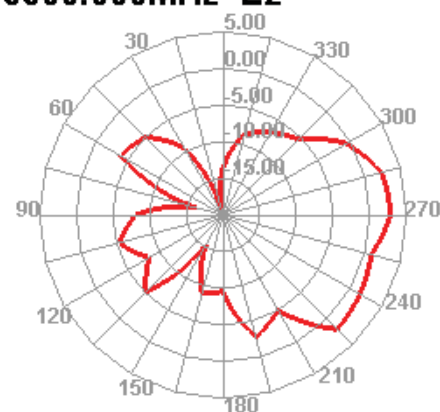
5500.000MHz H



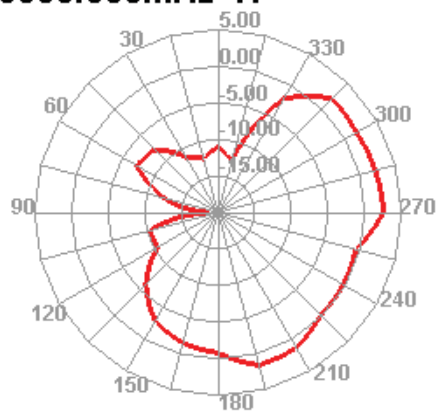
5500.000MHz E1



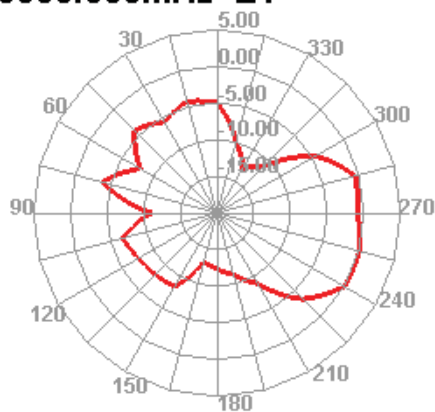
5500.000MHz E2



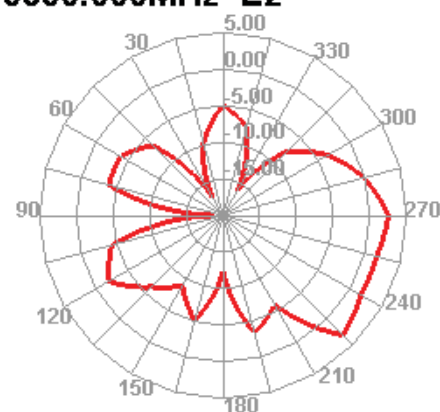
5850.000MHz H



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	2.92dBi MAX
Polarization mode	Vertical polarization
Radiation direction	omnidirectional
connection method	IPEX
Mechanical parameters	
Cable	
Salt spray test	
Environmental parameters	
Working temperature	-20~65℃