

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

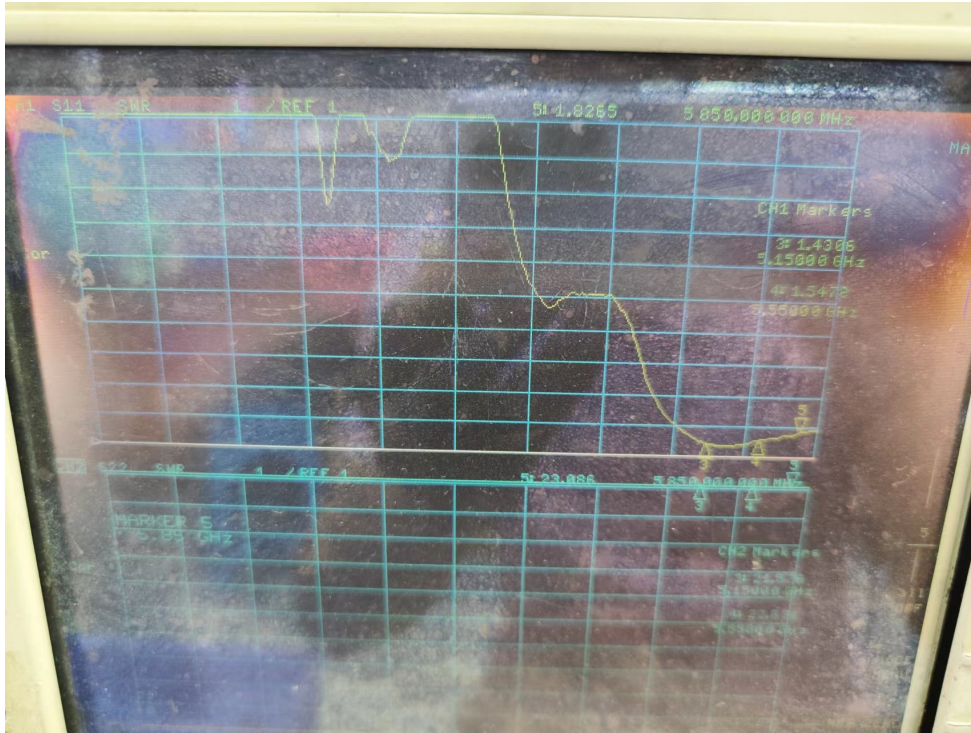
		7	6	5	4	3	2	1	
						REV. A1	CHANGE DESCRIPTION New	DATE 2023.06.06	SIGNATURE zyc
△ 90±3									
Technical requirements: 1. Electrical parameters: 1.1 Impedance : 50 Ω 1.2 Frequency :5150-5850Mhz 1.3 VSWR : < 2.0 1.4 Peak Gain : 2.92dBi 1.5 Polarization : Linear 1.6 Radiation Patten: Omni directional 2. All material must meet ROHS request									
⑥						TOLERANCE		源创星电子（深圳）有限公司	
⑤						. XXX ±0.05		Yuanchuangxing electronics (Shenzhen)CO.,LTD.	
④	connect	1.13 IPEX	1	PCS		. XX ±0.1		DRAWN BY	zyc
③	Cable	1.13 Black	1	PCS		. X ±0.2		PART NO. : YCX09N-B791-90B	
②	Brass Tube	Φ4.4*12.5 Nickel plating	1	PCS		X. ±0.25		CHECKED BY	Mike
①	Heat Tube	Black	1	PCS		XX. ±1		TITLE:	
NO.	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION			QTY	UNIT	MATERIAL	AS DIMENSION	5G brass tube antenna
								APPROVED BY	Sky
								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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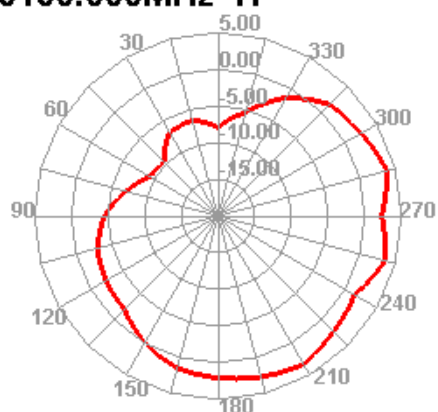
Yuanchuangxing electronics (Shenzhen) CO., LTD.

6、2D、3D Performance figure

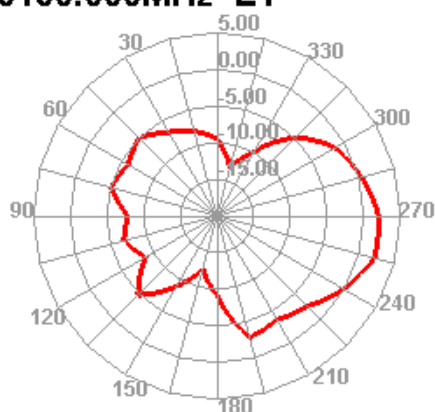
Passive Test

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

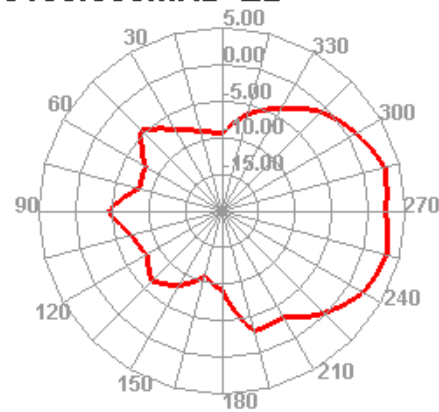
5150.000MHz H



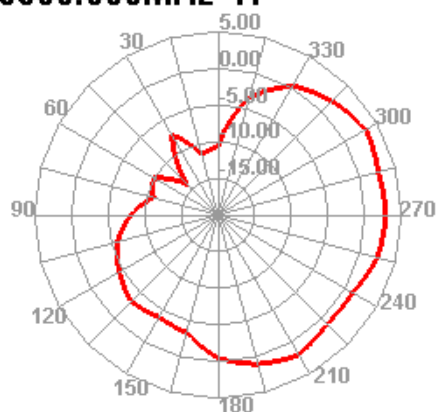
5150.000MHz E1



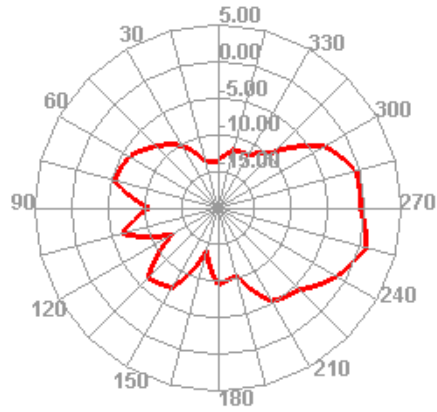
5150.000MHz E2



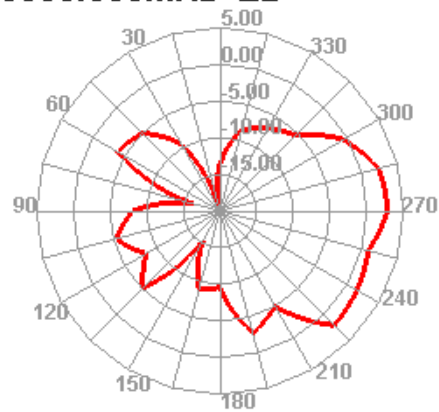
5500.000MHz H



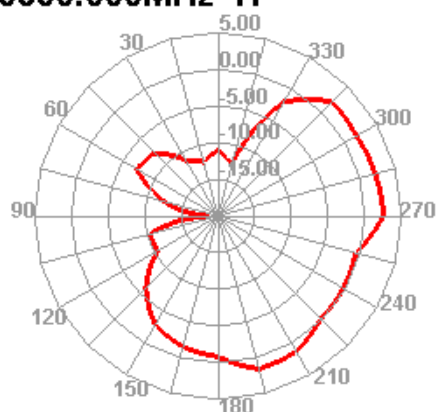
5500.000MHz E1



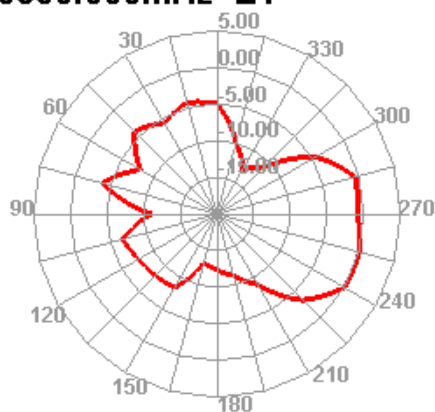
5500.000MHz E2



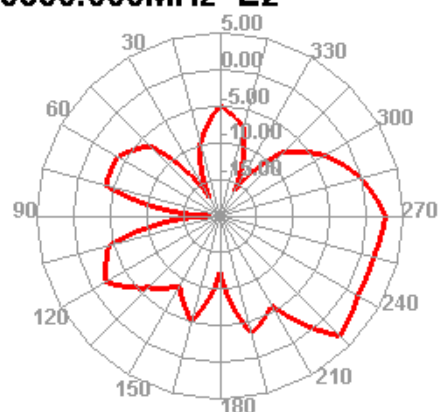
5850.000MHz H



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℃