

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:

Customer Describe:

YCX P/N: YCX09N-1347-187B

Customer Describe: 5G brass tube antenna (φ5*12.5) 0.81Black cable Length=187mm

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	2024-11-19		Date	2024-11-19	

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File for amendment/revocation/resume

[illegible]

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REV.		CHANGE DESCRIPTION		DATE	SIGNATURE
A1		New		2024.11.19	zyc

Technical requirements:

- Electrical parameters:
 - Impedance : 50Ω
 - Frequency : 5150-5850Mhz
 - VSWR : < 2.0
 - Peak Gain : **2.79dBi**
 - Polarization : Linear
 - Radiation Patten: Omni directional
- All material must meet ROHS request

					TOLERANCE		源创星电子（深圳）有限公司 Yuanchuangxing electronics (Shenzhen) CO., LTD.				
⑥					.XXX	±0.05	UNIT mm	DRAWN BY	zyc	PART NO. : YCX09N-1347-187B	
⑤					.XX	±0.1		CHECKED BY	Mike	TITLE: 5G brass tube antenna	
④	connect	0.81 IPEX2	1	PCS	.X	±0.2					
③	Cable	0.81 Black	1	PCS	X	±0.25					
②	Brass Tube	φ5*12.5 Nickel plating	1	PCS	.XXL	±1					
①	Heat Tube	Black	1	PCS	.XXXL	±2	APPROVED BY	Sky			
NO.	PART OR IDENTIFYING NO.			QTY	UNIT	MATERIAL	AS DIMENSION	SCALE : 1 : 1		CAD FILE:	DWG TYPE: PRODUCT DRAWING

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5、Passive performance test parameters

Frequency(MHz)	5150	5500	5850	
VSWR	1.39	1.56	1.36	



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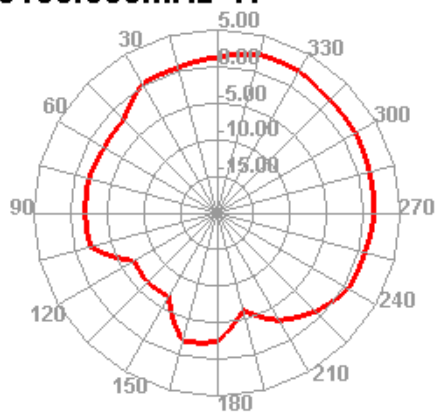
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6、2D、3D Performance figure

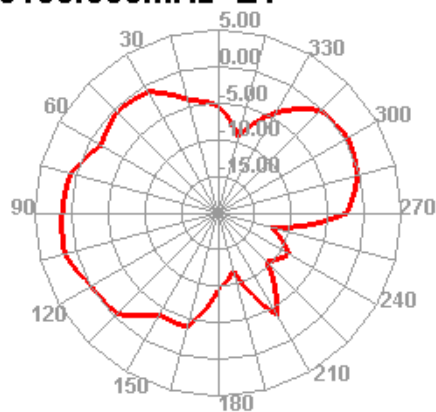
Passive Test

Freq (MHz)	Effi (%)	Gain (dBi)		
5150	64	2.34		
5500	60	2.79		
5850	61	2.15		

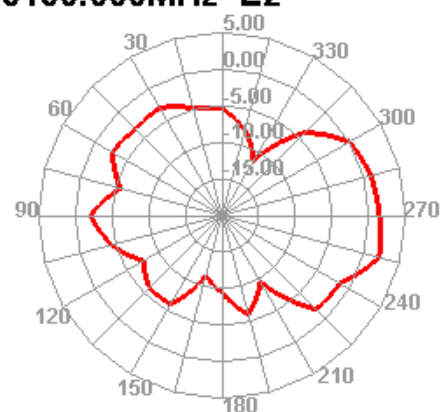
5150.000MHz H



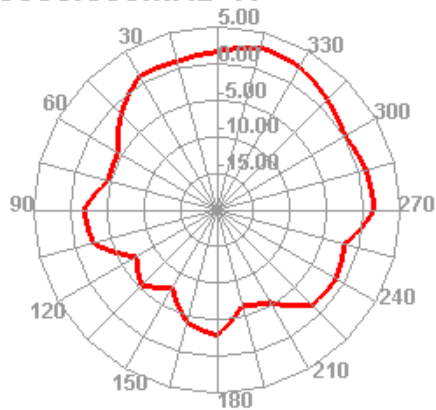
5150.000MHz E1



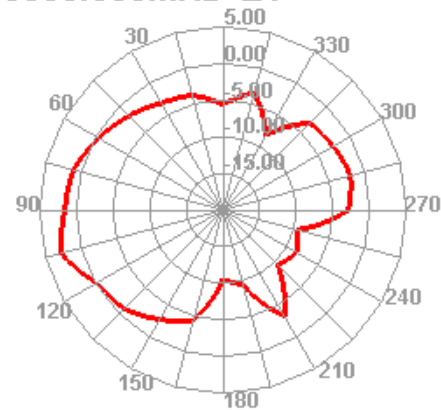
5150.000MHz E2



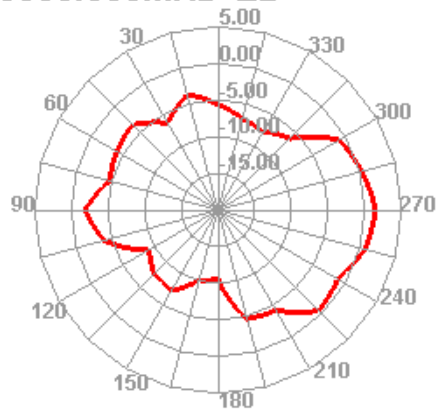
5500.000MHz H



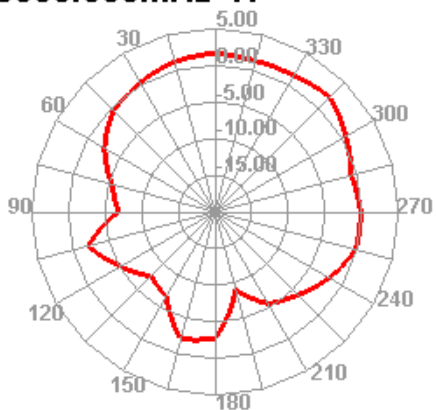
5500.000MHz E1



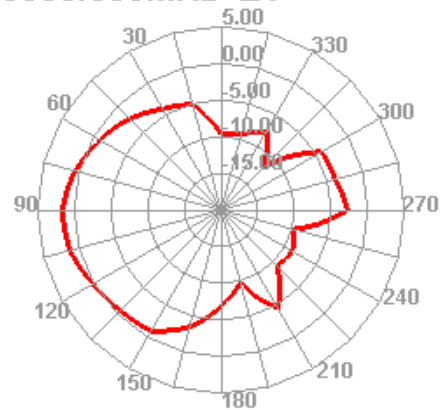
5500.000MHz E2



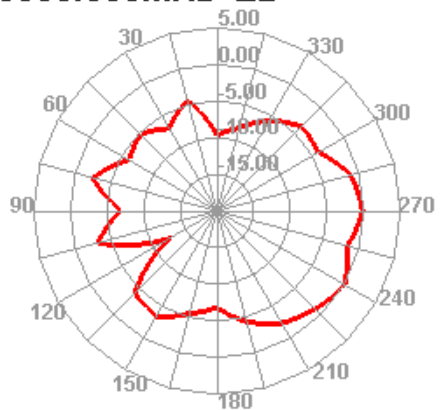
5850.000MHz H



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	2.79 dB _i MAX
Polarization mode	Vertical polarization
Radiation direction	omnidirectional
connection method	IPEX second generation
Mechanical parameters	
Cable	0.81 Black
Salt spray test	
Environmental parameters	
Working temperature	-20~65℃