

中讯智控样品承认书

文件编号 (FILES NO.) :

版本编码 (REV.) :

物料名称 (PART NAME) : FPC 2.4G天线

规格型号 (PART NO.) : YCX08N-1642-90B内置FPC 2.4G天线
黑色1.13线 长90mm带端子

物料编码 (PART NO.) : 3.02.00090-001

供应商 (SUPPLIER) :源创星电子 (深圳) 有限公司

签名 / 日期 (SIGNATURE / DATE):

客户承认会签				供应商技术发行		
核准	品质	工程	采购	核准	审核	技术
				许军波	王俊	Zouyc



源创星电子（深圳）有限公司

Yuanchuangxing electronics (Shenzhen) CO., LTD.

Customer Name: 中讯智控

Customer Moder:

Customer P/N: 3. 02. 00090-001

Customer Describe:

YCX P/N: YCX08N-1642-90B

Customer Describe: 内置FPC 2. 4G天线黑色1. 13线 长90mm带端子

PRODUCT SPECIFICATION

Signature and seal of confirmation					
YCX Approved			Customer Approved		
Sample	audit	approved	validation	audit	approved
zouyc	王俊	许军波			
			Customer Approved By		
Date	2024-12-23		Date	2024-12-23	

3、Directory

1、directory.....	1
2、File for amendment/revocation/resume.....	2
3、directory.....	3
4、Product drawings.....	4
5、Passive performance test paramete.....	5
6、2D、3D Performance figure.....	6
7、Electrical performance test report.....	7

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REV.	CHANGE DESCRIPTION	DATE	SIGNATURE
A1	New	2024.12.13	zyc

Technical requirements:

- Electrical parameters:
 - Impedance : 50 Ω
 - Frequency : 2400-2500MHz
 - VSWR : < 2.0
 - Peak Gain : 2.74dBi MAX
 - Polarization : Linear
 - Radiation Patten: Omni directional
- Mechanical properties:
 - Storage Temperature Range: -40 TO +85° C
 - Operating Temperature Range: -40 TO +85° C
- All material must meet ROHS request
- Mark(Δ)as the key control dimensions

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			1	PCS					
③	connect	1.13 IPEX	1	PCS					
②	cable	1.13 Black	1	PCS					
①	FPC	Black L32*W11.8mm	1	PCS					

TOLERANCE		源创星电子（深圳）有限公司 Yuanchuangxing electronics (Shenzhen) CO., LTD.	
.XXX	±0.05	DRAWN BY	zyc
.XX	±0.1	PART NO. :	YCX08N-1642-90B
.X	±0.2	CHECKED BY	Mike
X.	±0.25	TITLE:	内置2.4G FPC天线 黑色1.13线90mm带端子
XX.	±1	APPROVED BY	Sky
XXX.	±2		
UNIT mm			

8 7 6 5 4 3 2 1

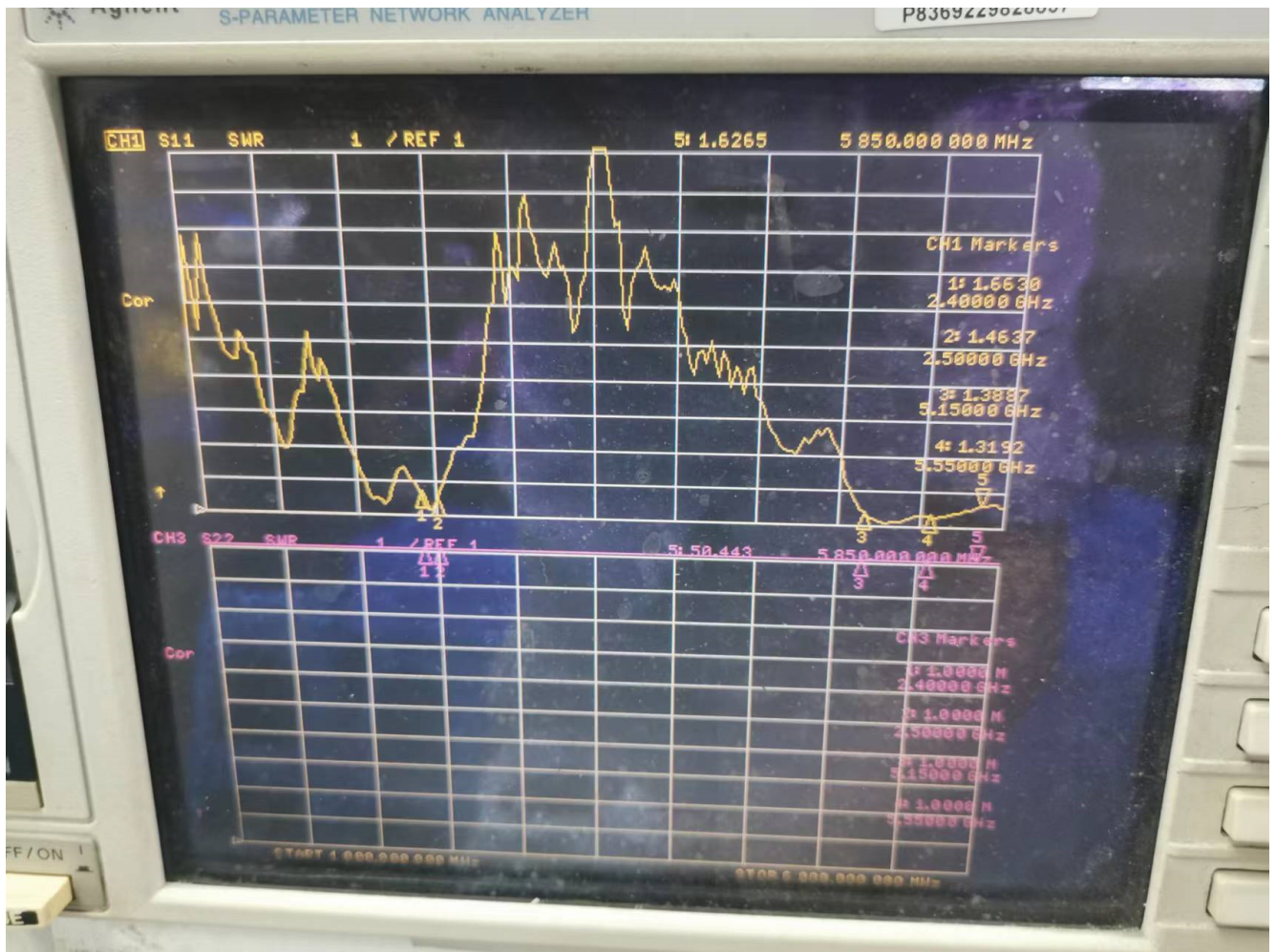
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5、Passive performance test parameters

Frequency(GHz)	2.4	2.45	2.5	5.15	5.55	5.85
VSWR	1.66	1.35	1.46			



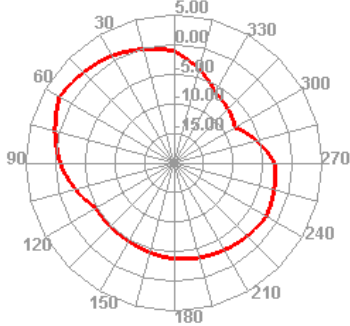
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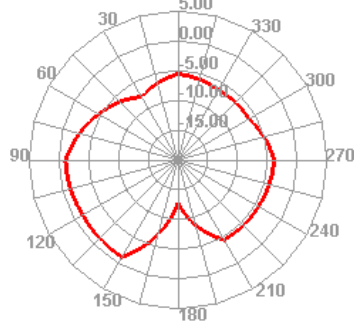
6、2D、3D Performance figure

Passive Test For WiFi				
Freq (MHz)	Effi (%)	Gain (dBi)		
2400	60	2.65		
2450	61	2.74		
2500	62	2.73		

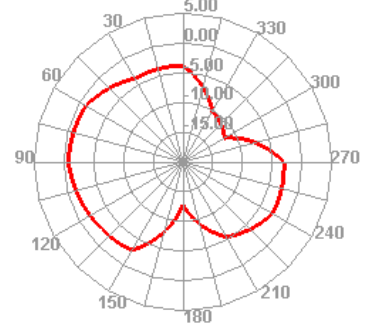
2400.000MHz H



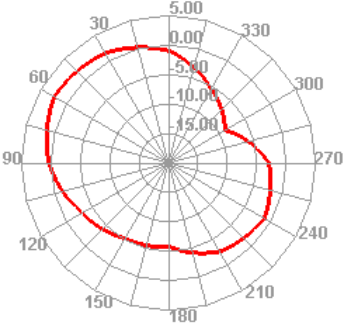
2400.000MHz E1



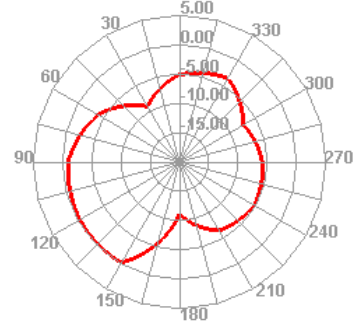
2400.000MHz E2



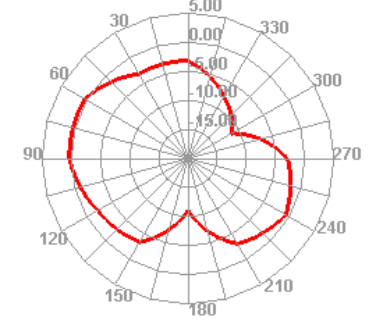
2450.000MHz H



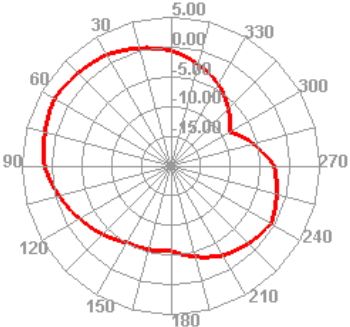
2450.000MHz E1



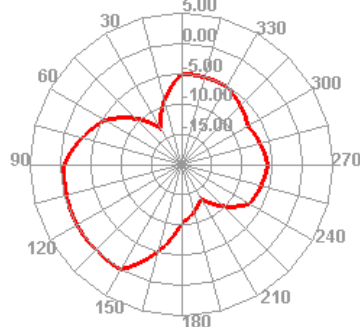
2450.000MHz E2



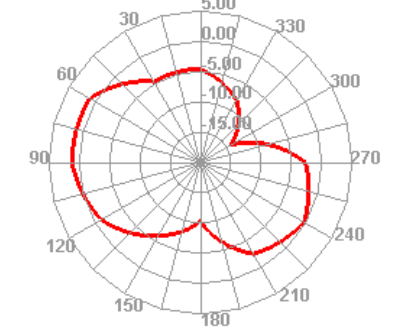
2500.000MHz H



2500.000MHz E1



2500.000MHz E2



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7、Electrical performance test report

Electrical parameters	
Frequency range	2.4-2.5GHz&&5.15-5.85GHz
input impedance	50Ω
VSWR	<2.0
Gain	2.74dBi MAX
Polarization mode	Linear polarization
Radiation direction	omnidirectional
connection method	IPEX
Mechanical parameters	
Cable	1.13
Salt spray test	
Environmental parameters	
Working temperature	-40~85℃