



ShenZhen ZRONE Link Technology Co.,Ltd

APPROVAL SHEET

Cust.Name: ShenZhen ZRONE Link Technology Co.,Ltd

Manufacturer: ShenZhen ZRONE Link Technology Co.,Ltd

PartName: W I F I Antenna

Part No.: HX OTT 98N-1681-100B Black dual-band FPC antenna
(1.13mm², 100mm length) with terminals

PartDesc: FPC (Flexible Printed Circuit) in black, 1.13mm wire diameter,
100mm length, with 321 pins

Acknowledged content

1. Acknowledge the cover
2. Specification Document

Supplier Company's Confirmation and Seal (Our Approval):

ratify Approval By:	examine and verify Checked By:	fabrication Designer By:

Zhiyuan Interconnection Company's Approval by Customer:

Purchase	engineering /R&D:

陈龙生



Document creation, revision, and revocation form

[illegible]

ShenZhen ZRONE Link Technology Co.,Ltd

**Addr:Flr 5,Bld E,Guancheng High-Tech Science Park,Xiguangyue 1 Rd,
Loucun,Xinhu,Guangming,Shenzhen,Chin**



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4.Product Drawings

4、产品图纸

www.yuanchuangxing.cn						7	6	5	4	3	REV.	CHANGE DESCRIPTION	DATE	SIGNATURE
											A1	New	2022.10.24	TURKyc

Technical requirements:

- Electrical parameters:
 - Impedance : 50 Ω
 - Frequency : 2400-2500MHz &&5150-5850MHz
 - VSWR : < 2.0
 - Peak Gain : 4.84dBi
 - 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

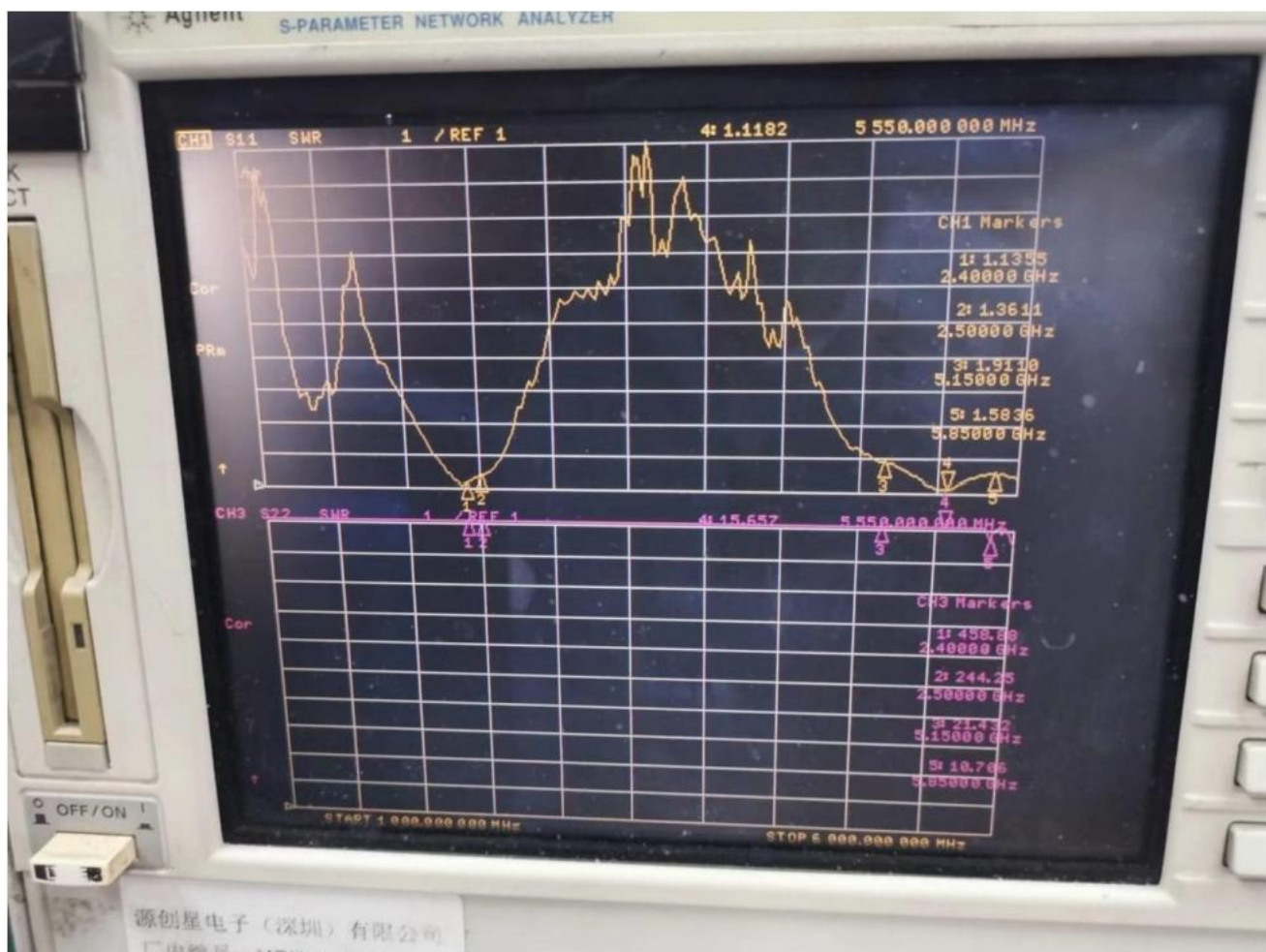
⑥	⑤	④	③	②	①	N
			Terminal	Wire	FPC	PART OR IDENTIFYING NO.
			Gold 1.13 Terminal	1.13 Black	黑色	NOMENCLATURE OR DESCRIPTION
		1	PCS	1	1	QTY
			UNIT mm			U
			MATER			LAL
			AS DIMENSION			3

TOLERANCE			ShenZhen ZRONE Link Technology Co.,Ltd		
.XXX	±0.05	DRAWN BY zyc	CHECKED BY Mike	APPROVED BY Sky	PART NO.:HX OTT98N-1681-100B
.XX	±0.1				
.X	±0.2				
X.	±0.25				
XX.	±1				
XXX.	±2	TITLE: WIFI双频天线 RF1.13黑色100mm带端子			
SCAL E: 1 : 1			CAD FILE:		
DWG TYPE: PRODUCT DRAWING					



5. Passive performance test parameters

Frequency(GHz)	2.4	2.45	2.5	5.15	5.55	5.85
) VSWR	1.13	1.22	1.36	1.91	1.12	1.58



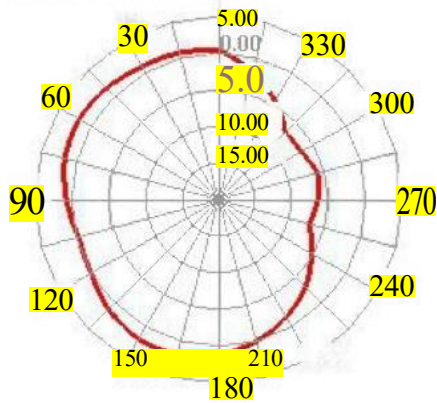


6. 2D and 3D performance charts

Passive Test For WiFi				
Fr eq	Ef f	Gai n		
2400	59	4.00		
2450	67	4.84		
2500	70	5.13		
5150	77	5.31		
5500	80	5.73		
5850	60	4.28		

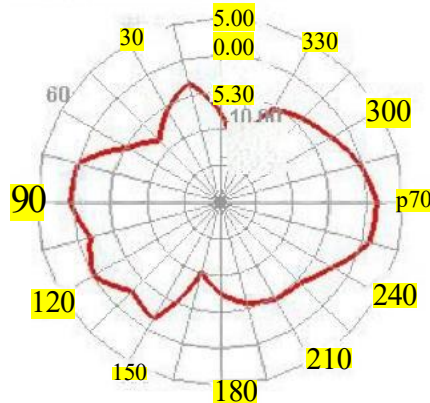
2400.000MHz
2400.000MHz
2400.000MHz

H
H
H



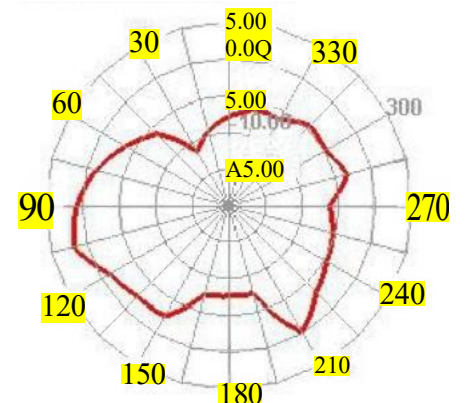
2400.000MHz
2400.000MHz
2400.000MHz

E1
E1
E1



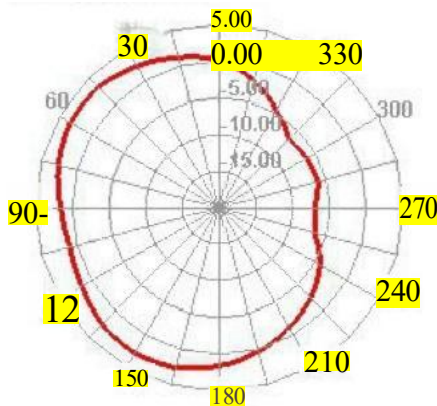
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2400.000MHz
2400.000MHz

E2
E2
E2



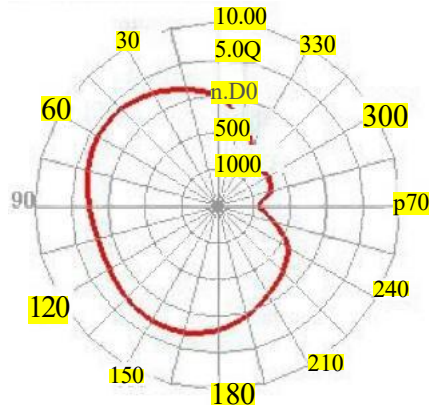
2450.000MHz

H



2500.000MHz

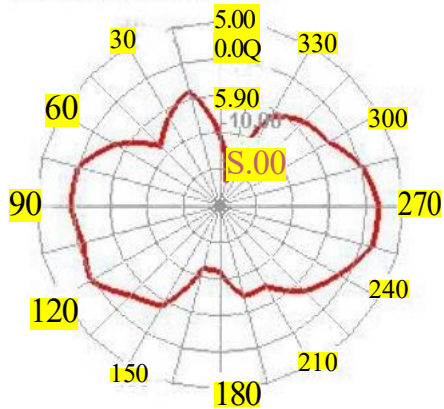
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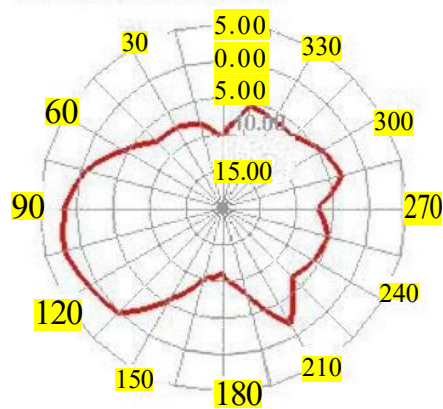


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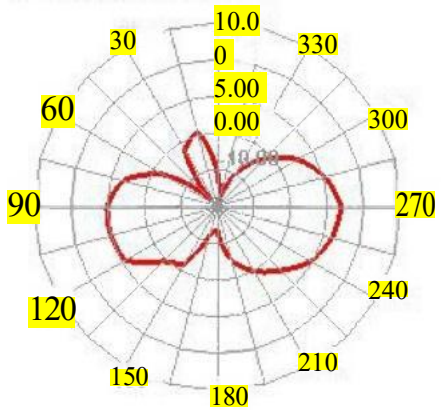
2450.000MHz E1



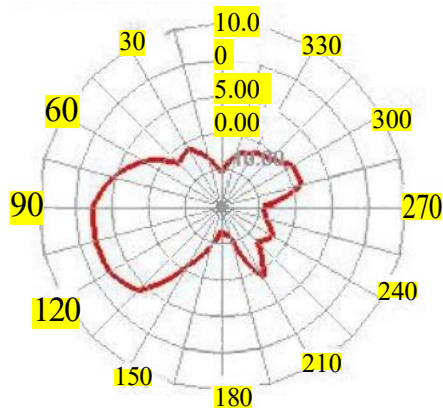
2450.000MHz E2



2500.000MHz E1



2500.000MHz E2



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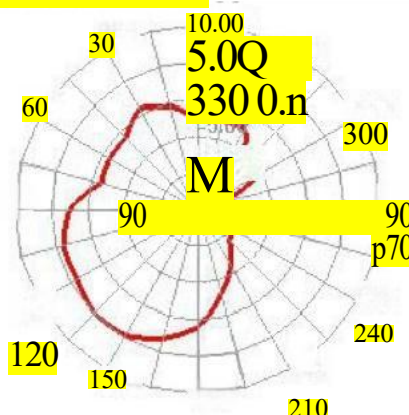
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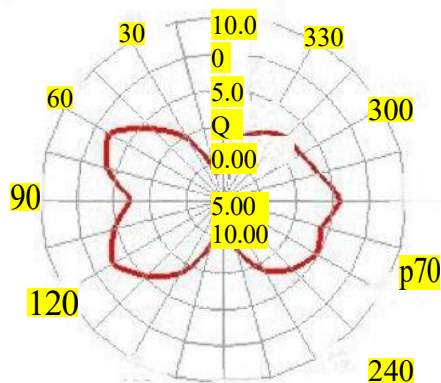
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6. 2D/3D

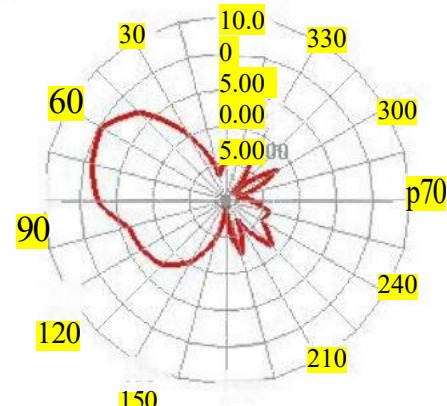
performance charts at



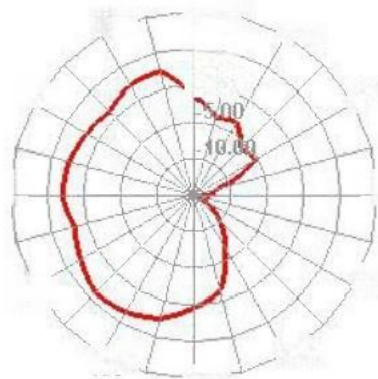
5150.000MHz E1



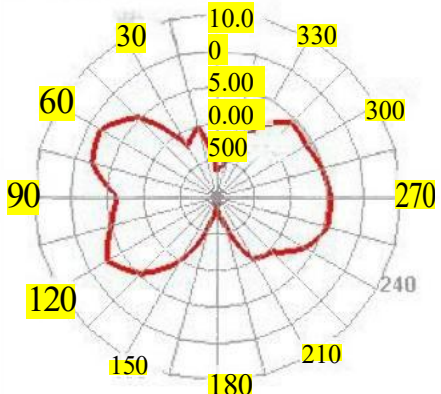
5150.000MHz E2



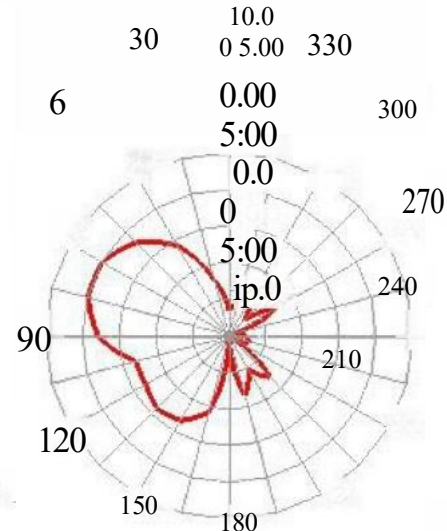
5500.000MHz H



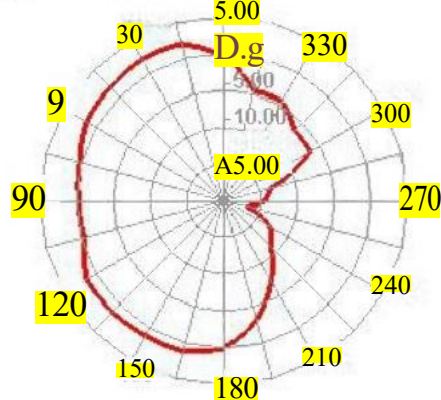
5500.000MHz E1



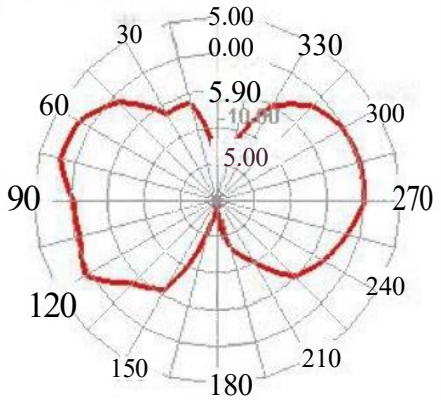
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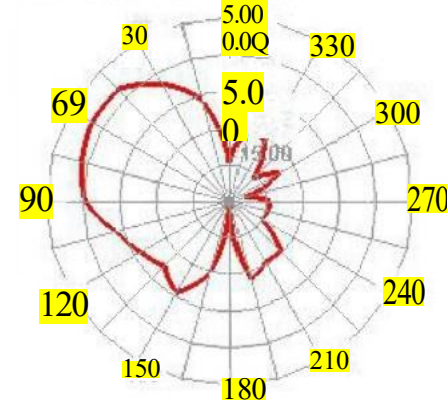
5850.000MHz H



5850.000MHz E1



5850.000MHz E2



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7. Electrical Performance Parameters

electrical parameters	
frequency range	2.4GHz-2.5GHz&&5.15-5.85Ghz
input impedance	50Ω
standing-wave ratio	<2
gain	4.84dBi
polarization mode	vertical polarization
radiation direction	omnidirectional
attended mode	IPEX
mechanical parameter	
visible line length	
maintenance energy	
coax	1.13
Salt Spray Test	
enviromental parameter	
working temperature	-40~85°C

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