

APPROVAL SHEET

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

Manufacturer: ShenZhen ZRONE Link Technology Co.,Ltd

PartName: WIFI Antenna

PartNO. : HX OTT 98N-1681-100B

PartDesc. : FPC black, 1.13 wire diameter, wire length 100mm, wire stripping 321

Contents of approval

1. Cover of approval
2. Specifications

Supplier company confirmation signature(Our Approval):

Approval By:	Checked By:	Desiger By:

Zhiyuan Internet Company confirms the signature(Approval By Customer):

Purchase :	Engineering/R&D:



3、 Directory

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REV.

CHANGE DESCRIPTION

DATE

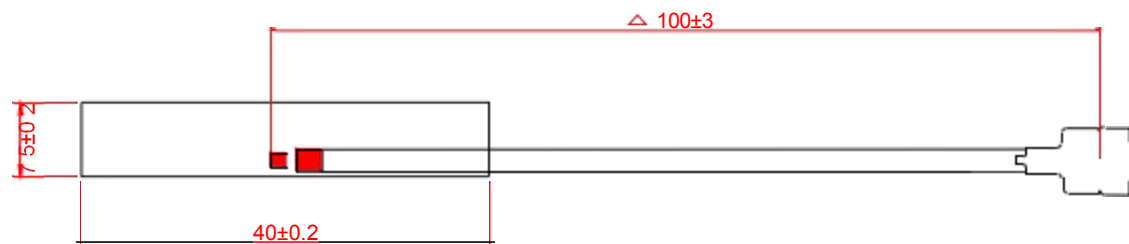
SIGNA

A1

New

2022. 10.

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Technical requirements:

1. Electrical parameters:

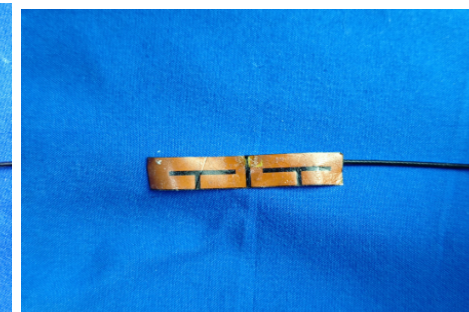
- 1.1 Impedance : 50 Ω
- 1.2 Frequency : 2400-2500MHz &&5150-5850MHz
- 1.3 VSWR : < 2.0
- 1.4 Peak Gain : 5.73dBi
- 1.5 Polarization : Linear
- 1.6 Radiation Patten: Omni directional

2. Mechanical properties:

- 2.1 Storage Temperature Range: -40 TO +85° C
- 2.2 Operating Temperature Range: -40 TO +85° C

3. All material must meet ROHS request

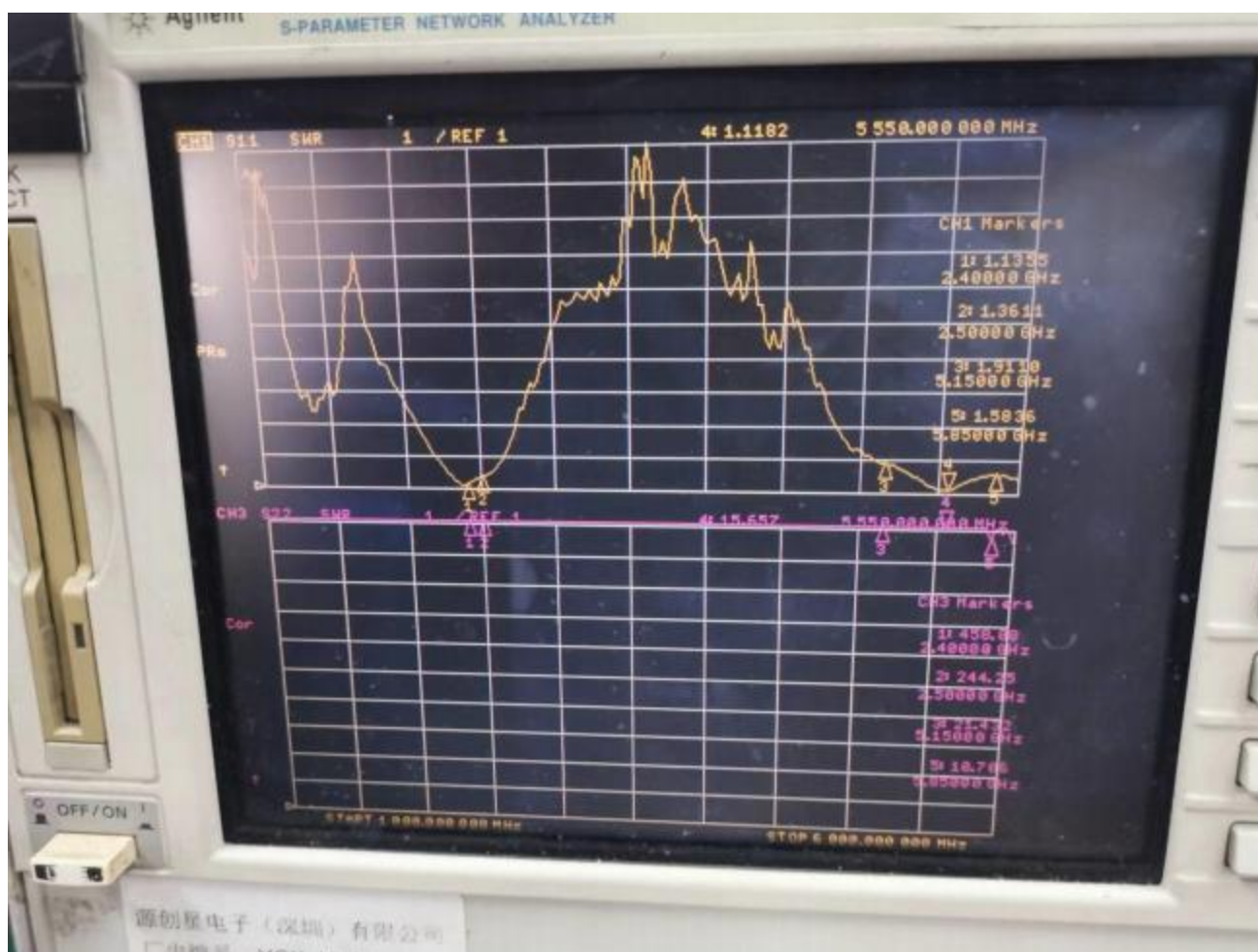
4. Mark()as the key control dimensions





5、Passive performance test parameters

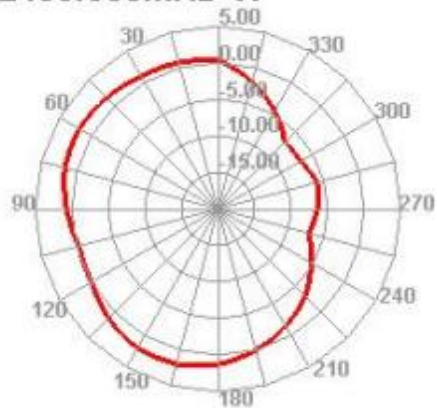
Frequency(GHz)	2.4	2.45	2.5	5.15	5.55	5.85
VSWR	1.13	1.22	1.36	1.91	1.12	1.58



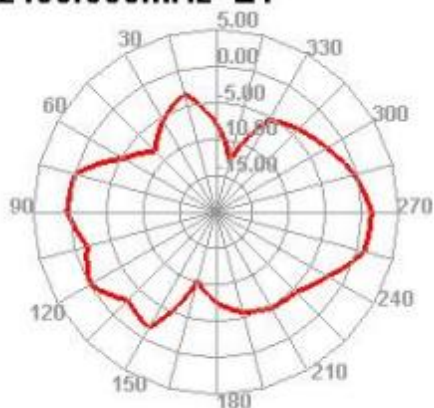
6、 2D、 3D performance graphs

Passive Test For WiFi				
Fr eq	Ef f	Gai n		
2400	59	4.22		
2450	67	4.84		
2500	70	5.13		
5150	77	5.31		
5500	80	5.73		
5850	60	4.28		

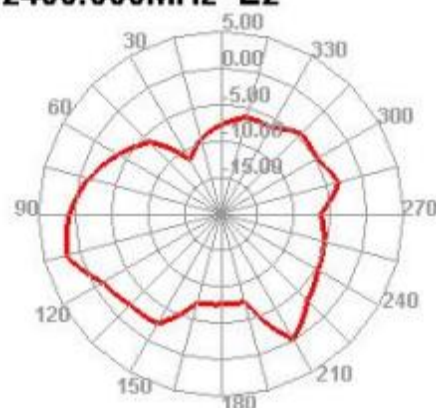
2400.000MHz H



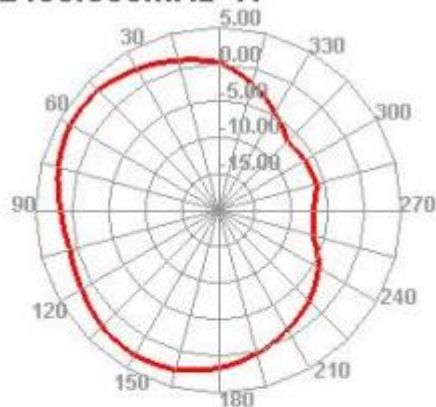
2400.000MHz E1



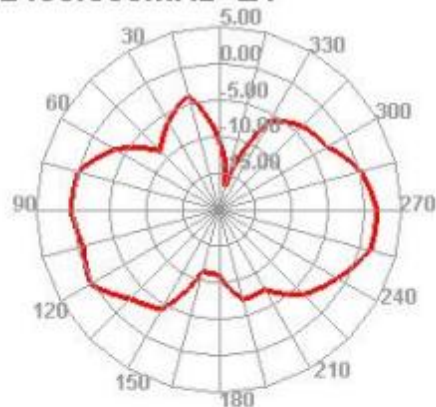
2400.000MHz E2



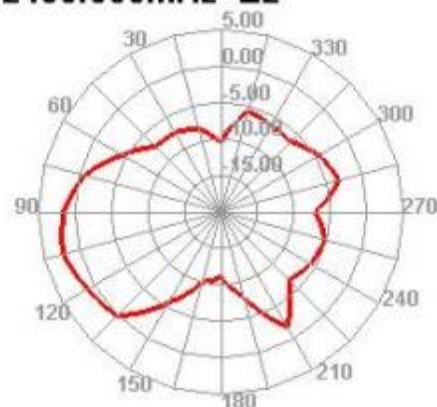
2450.000MHz H



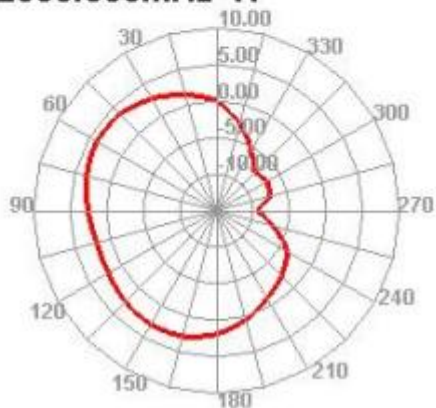
2450.000MHz E1



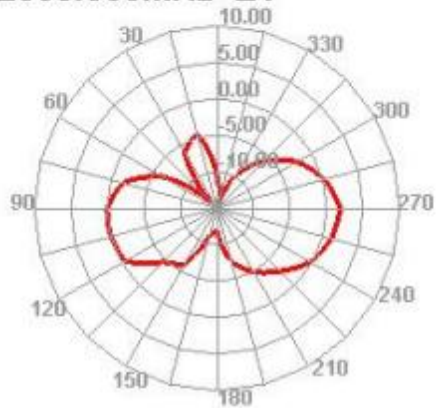
2450.000MHz E2



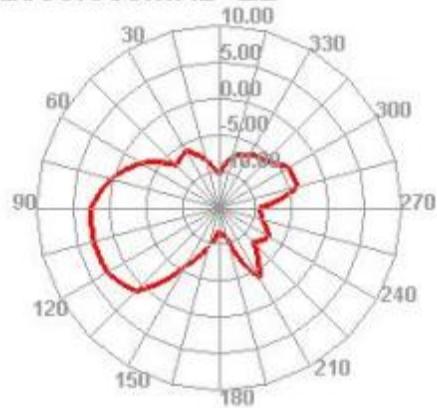
2500.000MHz H



2500.000MHz E1



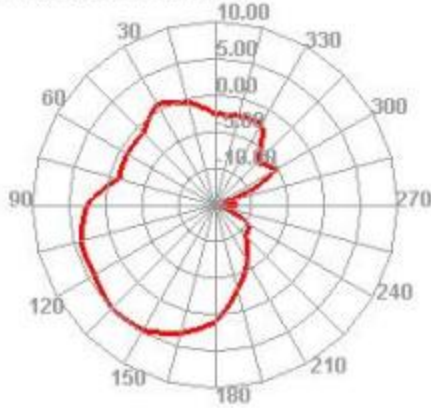
2500.000MHz E2



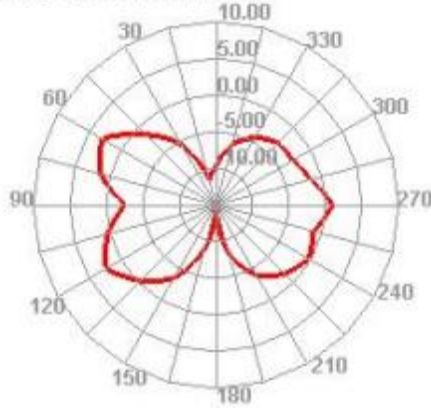


6、 2D、 3D Performance graph

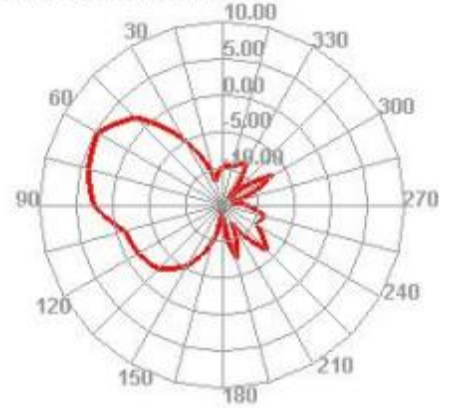
5150.000MHz H



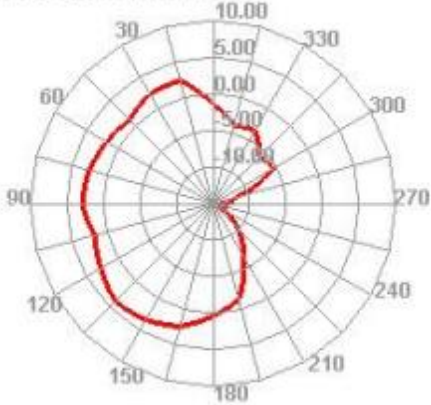
5150.000MHz E1



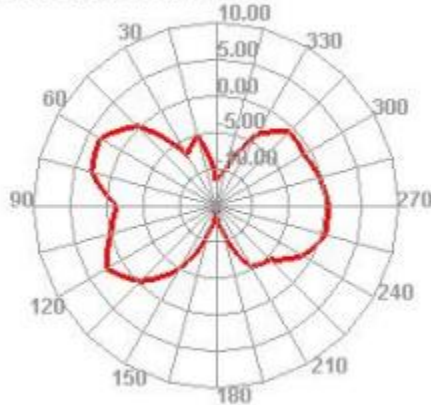
5150.000MHz E2



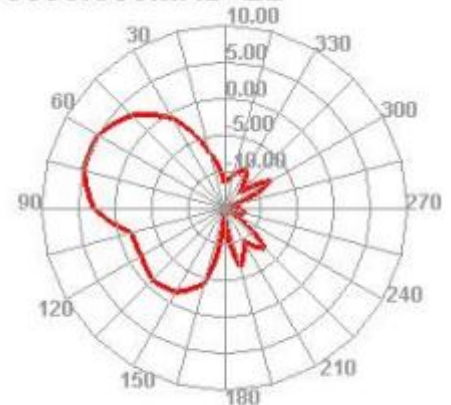
5500.000MHz H



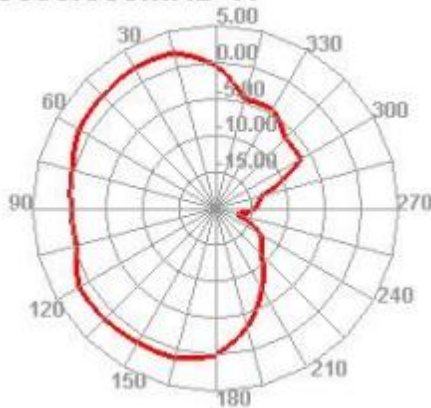
5500.000MHz E1



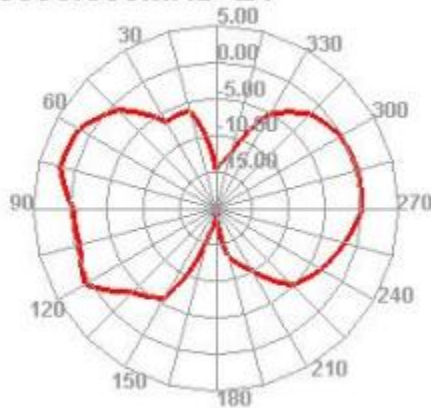
5500.000MHz E2



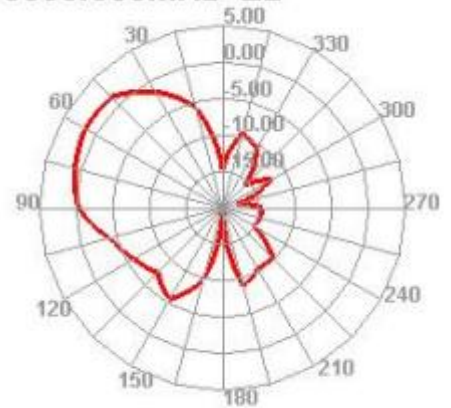
5850.000MHz H



5850.000MHz E1



5850.000MHz E2



7. Electrical performance parameters

Electrical parameters	
Frequency range	2.4GHz-2.5GHz&&5.15-5.85Ghz
Input impedance	50Ω
VSWR	<2
Gain	5.73dBi
Polarization mode	Vertical polarization
Radiation direction	Omnidirectional
Connection mode	IPEX
Mechanical parameters	
See cable length	
Maintenance	
Coaxial cable	1.13
Salt spray test	
Environmental parameters	
Working temperature	-40~85℃