

Specification

Manufacturer: Shenzhen HuaRui HaoDi Technology Co., Ltd

Address: Room 401, 4th Floor, Mingjun Commercial Center, No.1

Langrong Road,Xinshi Community, Dalang Street, Longhua

District,Shenzhen

Antenna type: PFC

Product Name: 2. 4/5. 8G WiFi Antenna

Product model: HRCD-FPC-2. 4/5. 8G-20200706

Product part NO.: FPC-2. 4/5. 8G-F01

Sample delivery date:2023-10-20

Manufacturer		
Production/Date	Review/Date	Approval/Date
2020-08-08	2020-08-20	2020-08-20

CATALOGUE

1.GENERAL MATTERS	3
1.1 SCOPE OF APPLICATION	3
1.2 TEMPERATURE RANGE FOR USE	3
1.3 SAVE TEMPERATURE RANGE	3
2.GENERAL SPECIFICATIONS OF THE PRODUCT	3
3.PRODUCT SPECIFICATION DETAILS	3
4. PRODUCT ELECTRICAL PERFORMANCE TEST DATA	4
4.1TESTING ENVIRONMENT AND INSTRUMENT EQUIPMENT	4
4.2 PRODUCT ELECTRICAL PERFORMANCE TEST DATA:	4
5. PRODUCT PACKAGING	5
6. DOCUMENT RESUME	5

1.General matters

1.1 Scope of application

2.4G/5.8G WIFI antenna

1.2 Temperature range for use

The temperature range for this product is -20~+65 ℃

1.3 Save temperature range

This product is stored at -30~+75 ℃

2.General specifications of the product

NO.	ITEMS	DETAILS
1	model	2.4/5.8G WIFI
2	Frequency band	2400-2500MHz 5100-5900MHz
3	VSWR	≤2.0
4	Gain	2.0dBi
5	Radiation Efficiency	≥50%
6	Impedance	50 Ω
7	Antenna type	monopole
8	Antenna implementation form	FPC+1.13 coaxial line

3.Product specification details

3.1Product structure parameters

3.2Product material composition:

Serial number	Material Science	Specification (MM)
1	PCB	40.25*7.38mm Black

2	Coaxial line	Ø1.13 线材，线长：L=150mm Black
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3.3 Appearance

The product has a good appearance and is free from serious defects such as scars, sweat marks, and protrusions that may affect its appearance.

4. Product Electrical Performance Test Data

4.1 Testing environment and instrument equipment

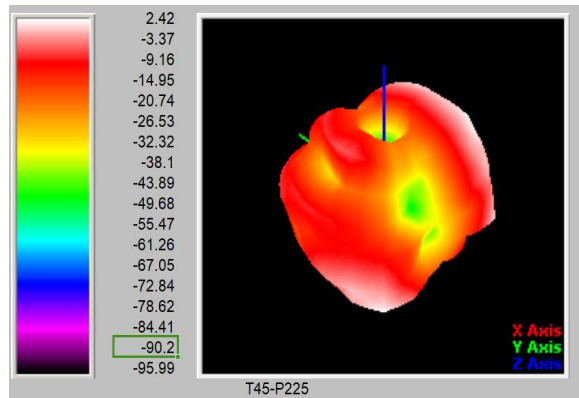
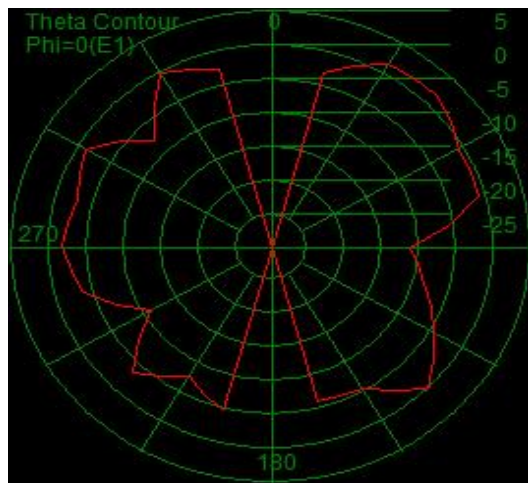
Test environment: Temperature: 10℃——+30℃ Relative humidity: ≤ 80% (+40 ℃) Atmospheric pressure: 750mmkg ± 30mmkg	Testing equipment: HP8753D Network Analyzer ETS microwave darkroom
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4.2 Product electrical performance test data:

S11 image of the product:

(Single antenna test not included in the entire machine)

Marker	2400MHz	2500MHz	5100MHz	5700MHz	5900MHz
Return loss	-12.7	-11.8	-9.3	-26.8	-11.0
VSWR	1.6	1.6	2.0	1.1	1.7



5. Product packaging

Packaging :

Self sealing bag packaging, 200 PCS per pack.

6. Document Resume

Document No.	
Release Date	2021/08/05
Author	Hungjie
Review	WH

Revised History

Date	Version	Revised Record
2020/08/22	1.00	New Project