

specification

for

2.4G WiFi antenna

Customer Part Number

Our company's part number

CF-FPC-2.4G-WIFI-002

Prepared by: Zeng Xiaofeng

Review: Li Ming

Date: 2020.08.14

Manufacturer: CR PHOTOELECTRIC TECHNOLOGY CO., LTD

Address: F9, No. 205, Hongchuan Road, Zhongkai High-Tech
Zone, Huizhou, Guangdong, China

Catalogue

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Shenzhen Senmao Micro Technology Co., Ltd.

1.Be confirmed by both sides

1.1 Customer's confirmation signature Customer:

Customer Department/Position	Signature of the verifier	Confirmation date
Hardware / Radio Frequency		
Structural engineer		
PM		
Business/Procurement		
Audit		

1.2 Chu Feng Communications confirms signature

Customer Department/Position	Signature of the verifier	Confirmation date
Antenna Engineer		
Structural engineer		
PM		
QA		
Audit		

2. Present address

Range of application

2.4G WIFI ANT

2.2 Using temperature range

The operating temperature range of this product is -20 to +65 degrees Celsius.

2.3 Storage temperature range

This product should be stored at -30 to +75 degrees Celsius.

3. General product specifications

NO.	ITEMS	DETAILS
1	Type	wifi
2	Freq.	2400-2500MHz
3	VSWR	≤ 1.3
4	GAIN	3dBi
5	Ohm	50 Ω
6	ANT type	Spring antenna
7	Antenna Material	Metal material

4.Product Specifications Details

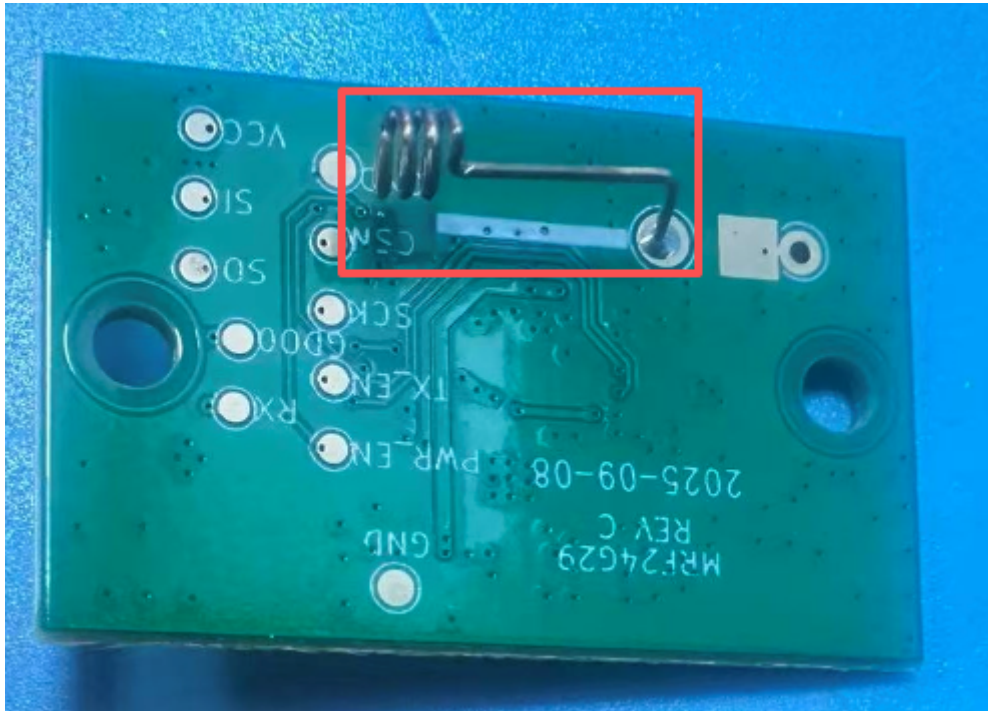
4.1 Product structure parameters

4.11 Appearance

The product has a good appearance, without any defects that seriously affect its appearance such as scratches, sweat marks, or protrusions.

4.12 Structure size

Length: $12\text{mm} \pm 1\text{mm}$



4.2 Product electrical performance test data

4.21 Test environment and instrument equipment

Testing environment: Temperature: 10℃——+30℃ Humidity: ≤80% (+40℃) Barometric pressure: 750mmkg±30mmkg	Test equipment HP8753D network analyzer ETS anechoic chamber
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4.22 Product electrical performance test data:

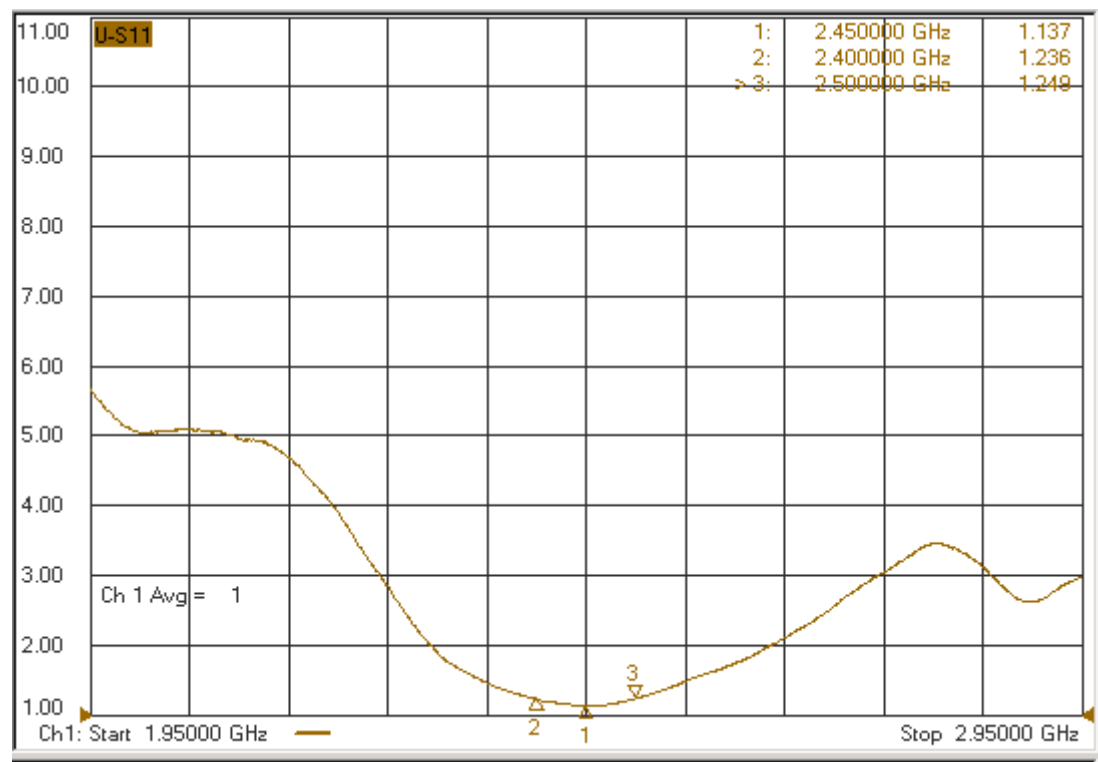
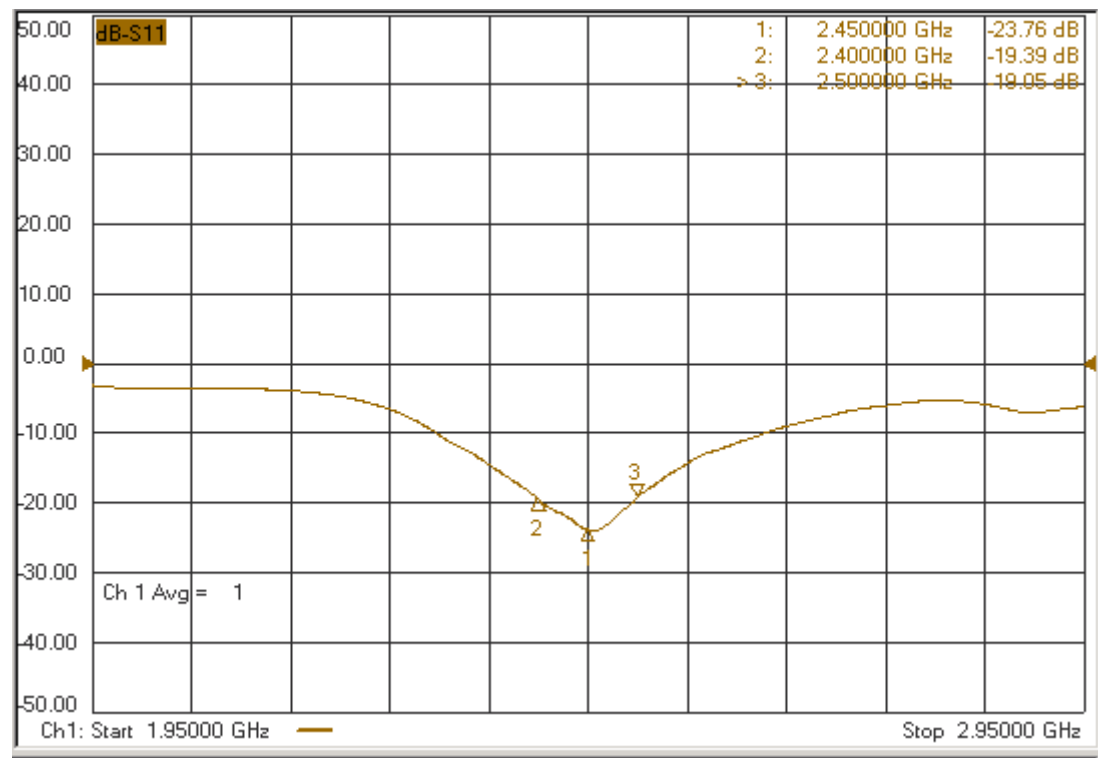
The S11 diagram of the product:

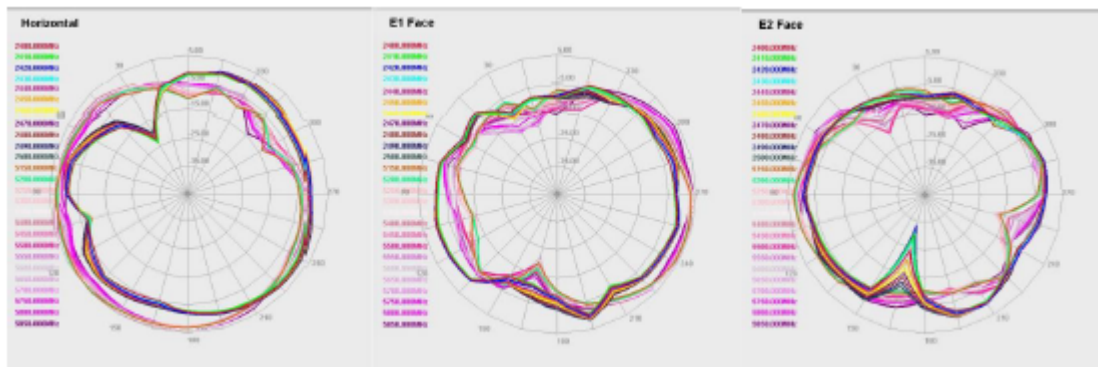
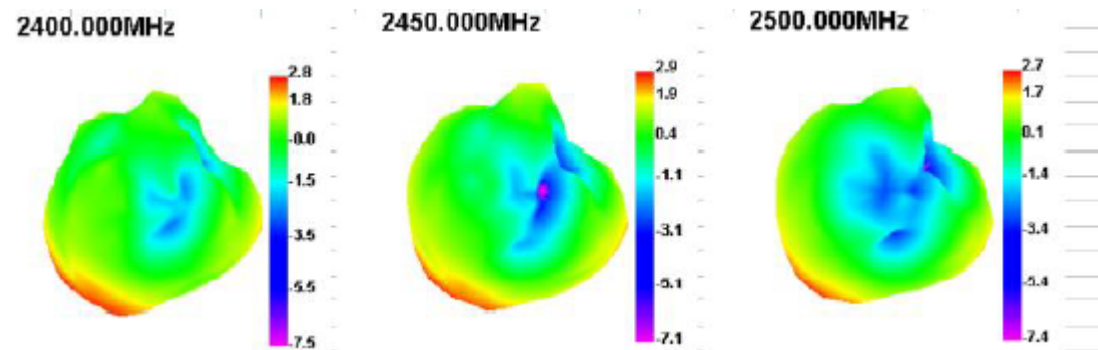
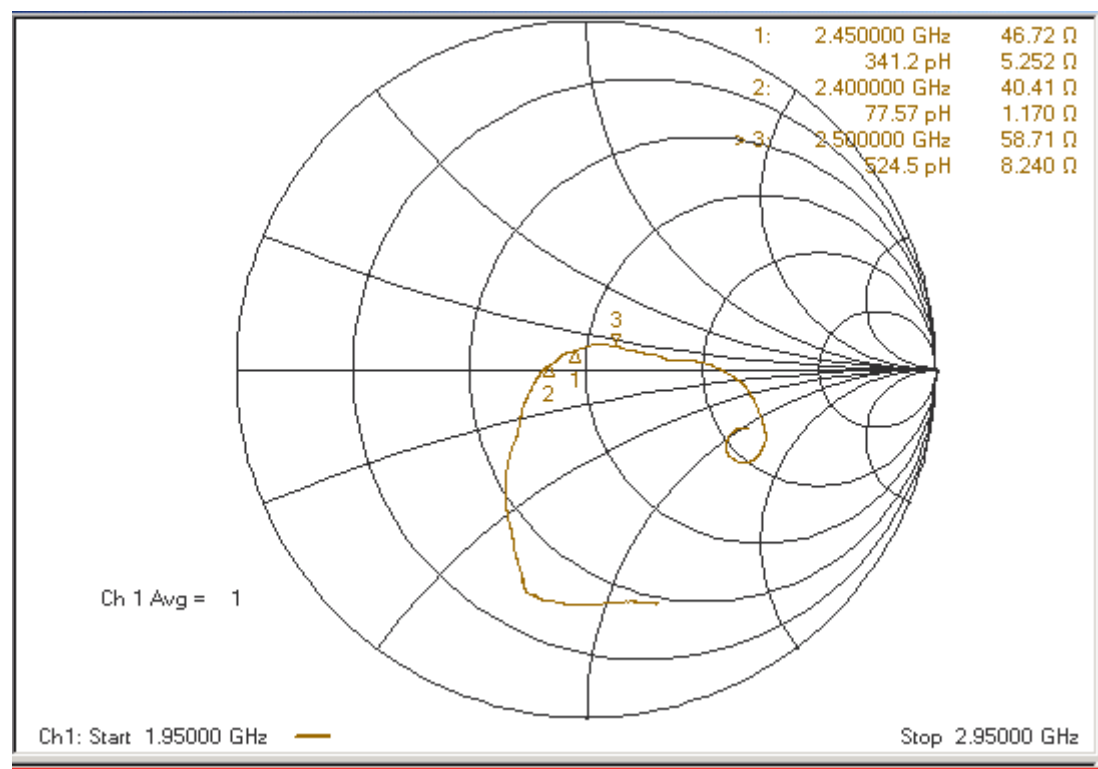
(Single-antenna testing was not conducted within the entire device.)

Marker	2400MHz	2450MHz	2500MHz
Returnloss	-19.3	-23.7	-19.0
VSWR	1.2	1.1	1.2

Passive Test 2.4GHz											
Fre. (MHz)	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500
Effi(%)	33.17	34.30	34.20	33.50	35.50	33.16	32.51	30.59	29.28	25.09	26.30
Gain(dBi)	1.16	1.24	1.32	1.35	2.26	3.00	2.60	2.71	1.19	1.76	1.57

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5. Product packaging method

Manner of packing

Self-sealing bag packaging, 100 pieces per package.

6. Document resume

文件编号 Document No.	
日期 Release Date	2020/8/14
编制 Author	
复核 Review	

文件历次表

Revised History

Date	Version	Revised Record
2019/12/13	1.00	New Project