

Shenzhen Jiuhetongda Electronic Technology Co., Ltd.

Antenna Acknowledgment Letter

ACCEPTABILITY OF SAMPLE

This product complies with RoHS requirements.

THIS PRODUCT ACCORD RoHS REQUIREMENT

Customer Name: Jianting Technology

(Recognized manufacturers):

Project Name: Magnifier M1

(Description)

Our product model: M1-FPC

(Product Type)

Dear customer:

After you checked the sample please return a copy of 《Antenna Acknowledgment Letter》,for avoid scrap happen when manufacturing the products,thanks a lot!

Company Address: 4th Floor, Building B, Henglang Sci-Tech Innovation Park, Dalang Third Industrial Zone, Longhua District, Shenzhen, Guangdong Province

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I. Antenna

1. Specifications

This specification sheet primarily provides test results for the electrical and structural performance parameters of the M1 magnifying glass project's Wi-Fi antenna. The figure below shows images of the Jiuhe Design Wi-Fi antenna.



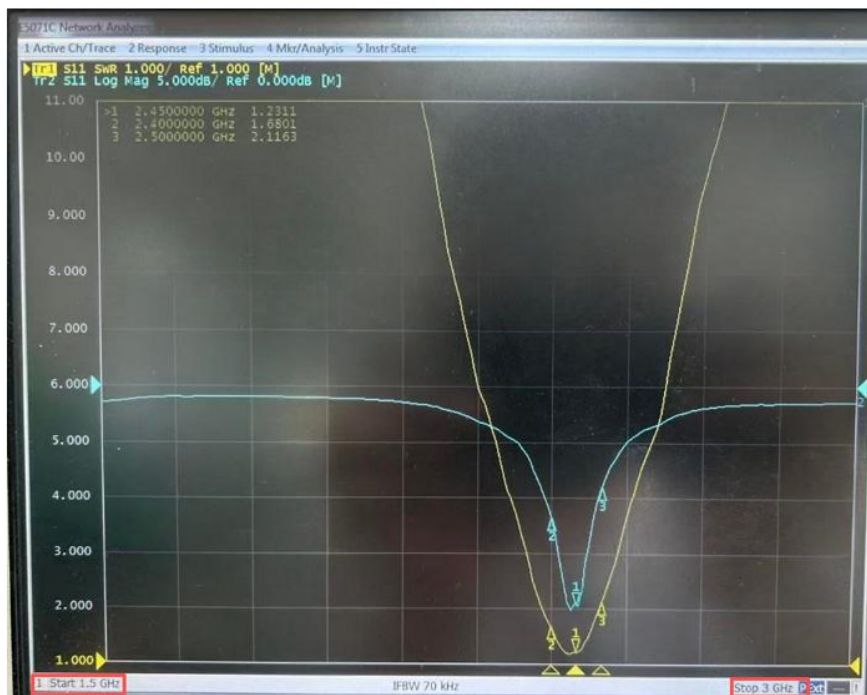
WIFI Antenna – Front

WIFI Antenna – Rear

1.1 Electrical Specifications

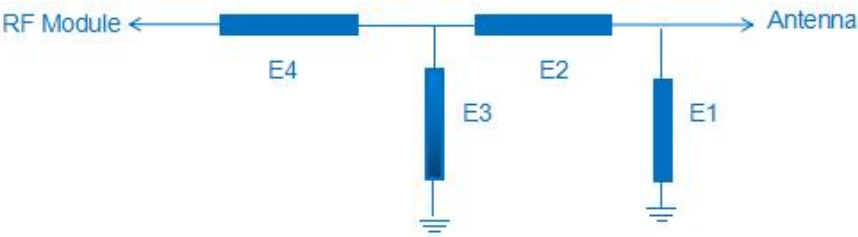
1.1.1 Electrical Performance Specifications

The operating frequency band of this antenna is 2400–2500 MHz; below are the electrical performance specifications for the Jihe Design sample antenna.



WIFI		
frequency range	frequency (MHz)	VSWR
WIFI2.4G	2400-2500MHz	≤ 1.6

1.1.2 Matching Circuit Diagram

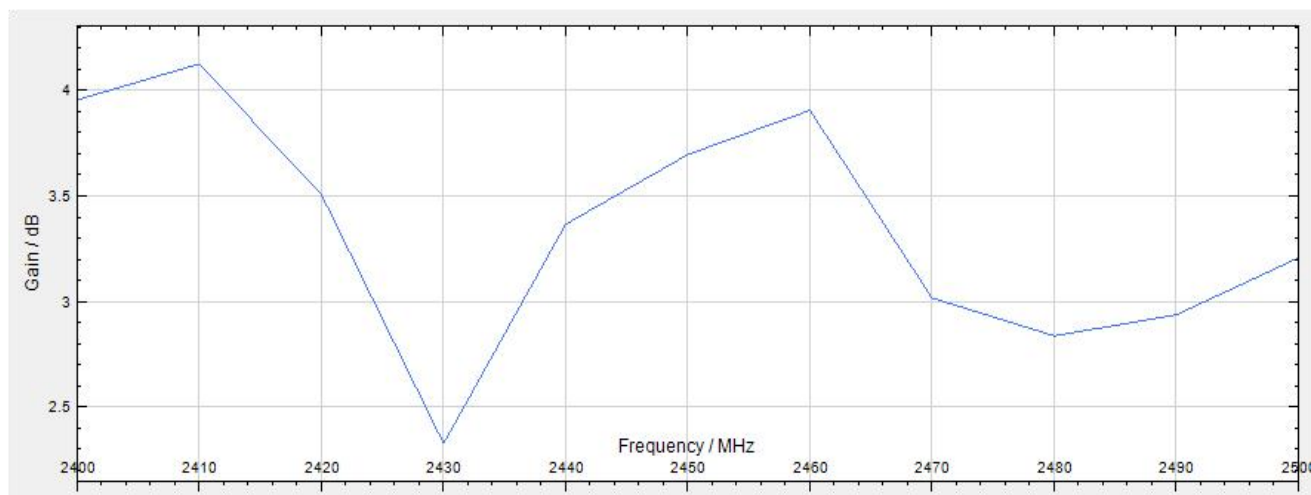


The antenna matching circuit uses the original board-based matching configuration and has not been modified.

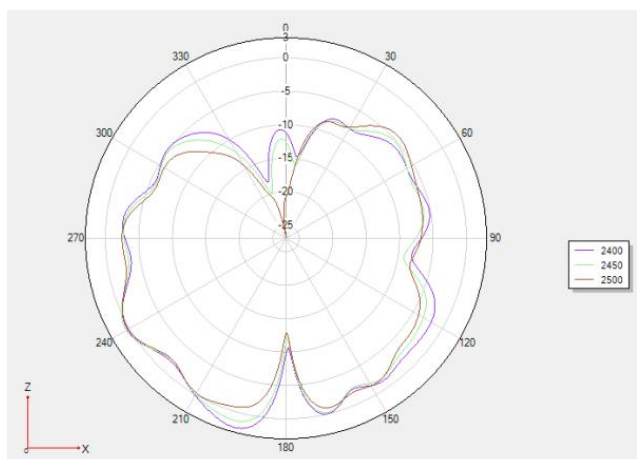
1.2.1. Passive test data for the entire device

Frequency / MHz	Efficiency / dB	Efficiency / %	Gain/ dBI
2400	-2.65	58.39	3.53
2410	-2.47	61.29	3.94
2420	-2.38	62.78	3.53
2430	-2.55	59.98	3.07
2440	-2.37	62.95	3.20
2450	-2.37	62.95	3.42
2460	-2.38	62.78	3.50
2470	-2.63	58.71	3.27
2480	-2.72	57.3	3.14
2490	-2.73	57.14	3.07
2500	-2.81	55.92	2.97

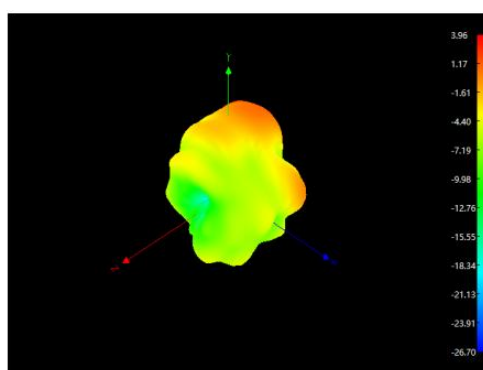
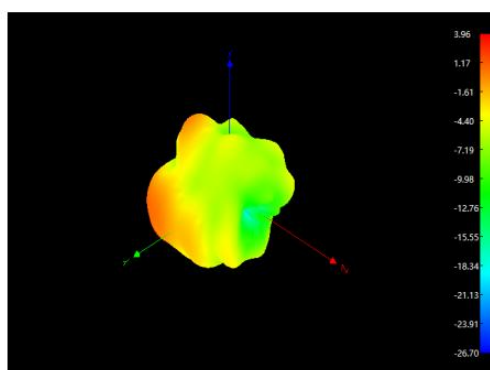
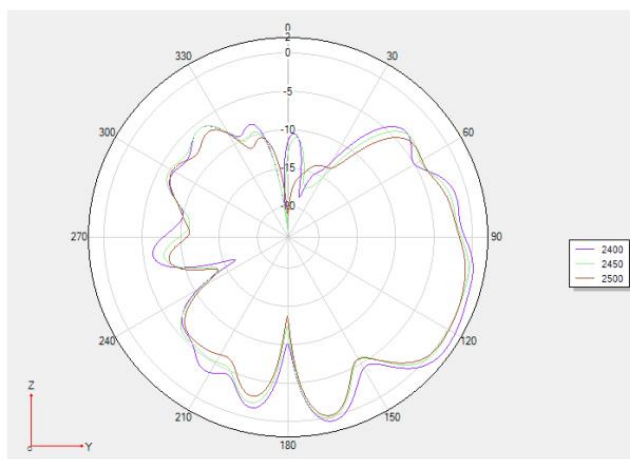
Shenzhen Jiuhetongda Electronic Technology Co., Ltd.



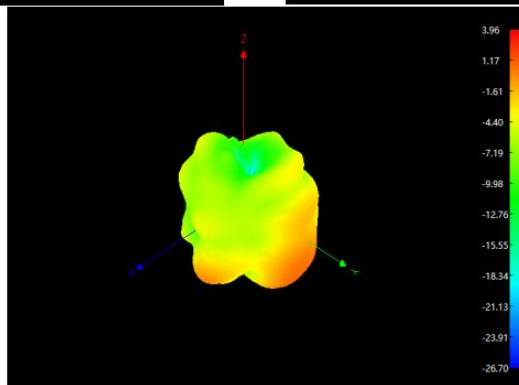
Phi 0 2D图



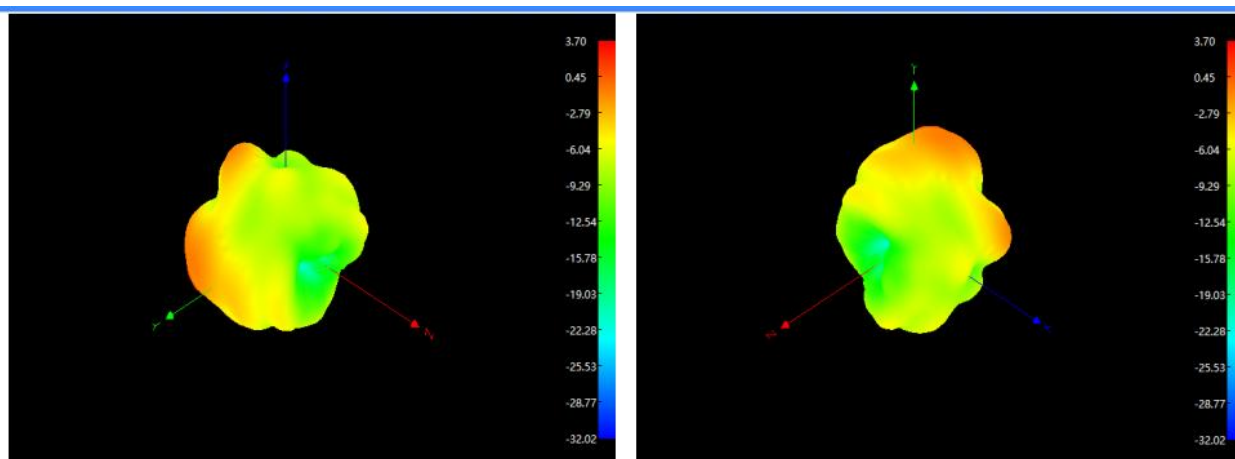
Phi 90 2D图



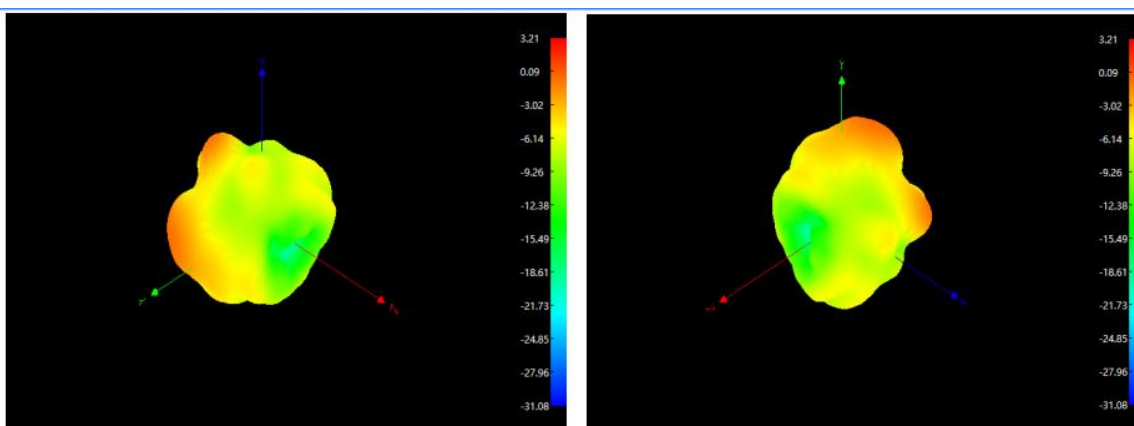
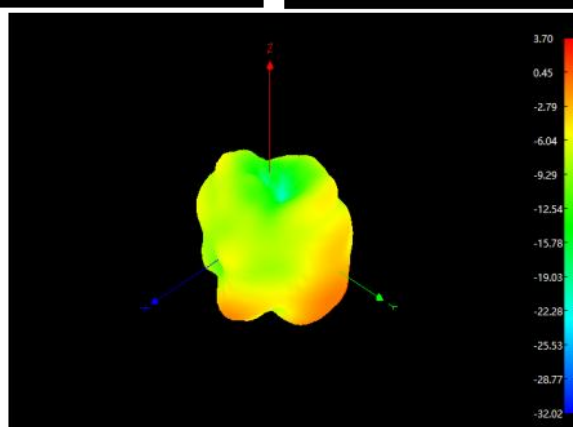
2400MHZ



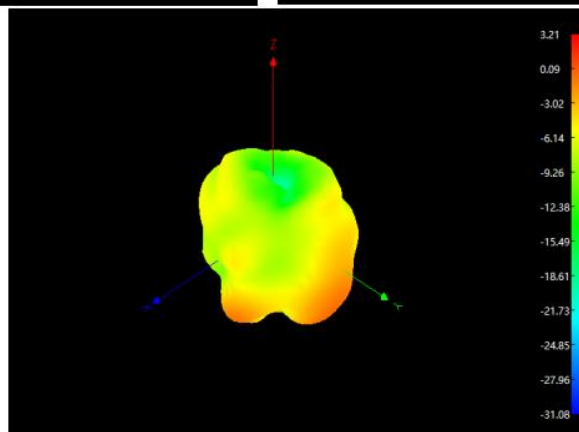
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2450MHZ



2500MHZ



1.2.2. Antenna Assembly Recommendations:

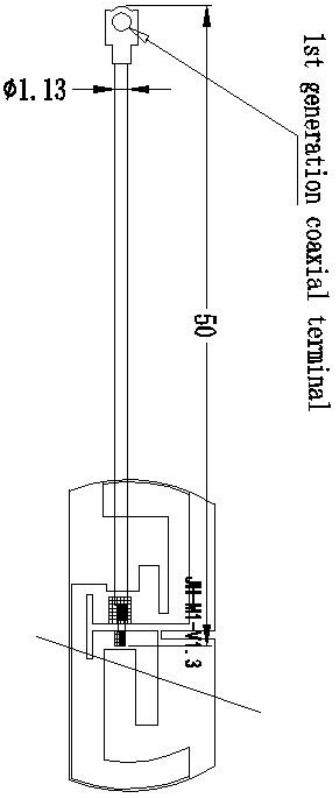


II. Structural Specifications

2.1 Antenna C

WLAN a

2.2 Engineer

1	2	3	4	5	6	7	8
RoHS Compliant G P							
1st generation coaxial terminal 							
备注： 1. FPC Material: Electrolytic Copper, PI, Half-Half Construction (18/25) 2. Adhesive backing on reverse side (3M 9471). 3. For dimensions without specified tolerances: stamping tolerance ± 0.1 linear tolerance ± 0.05; highlighted holes tolerance ± 0.05. 4. Slanted lines represent copper foil circuits. 5. Cross-marked areas are feed point nickel-plated regions. 6. Surface finish: Matte black solder mask. 7. For all components: Pb, Hg, Cr+, PBBs, PBDEs each<500 ppm; Cd<50 ppm.							
Rev		Description		Date		Remark	
A		Officially Released Version		20250416			
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Shenzhen Jiuhetongda Electronic Technology Co., Ltd.

1. Low Temperature	Temp.: -20 °C Time: 24 hours
2. High Temperature	Temp.: 80°C Time: 24 hours
3. Salt Fog	5±0.1% Nad salt fog PH Value: 6.5-7.2 Temp: 35±1°C Time:24 hours