Shenzhen One Plus One Wireless Communication Technology Co., LTD. Shenzhen OnePlusOne Wireless Communication Technology Co., Ltd

Antenna acknowledgment

Customer: Four Seasons Hongsheng Customer
Project Name: IMB-B801 Project
Product name: WIFI antenna: Description
Material No.:
4.01.17.0046 Part
Number
Date: March 6,2024
<u>Date Year Month Day</u>
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1. Product design frequency band

Frequency Band	MHz
WIFI2.4G/802.11G/CH11	2412

2. Product materials and environmental description

Product material description			
Foreign copper	26/35/05		
Р	roduct environment description		
working temperature	- 30°C ~ + 55°C		
Storage temperature	- 30°C ~ + 45 °C		

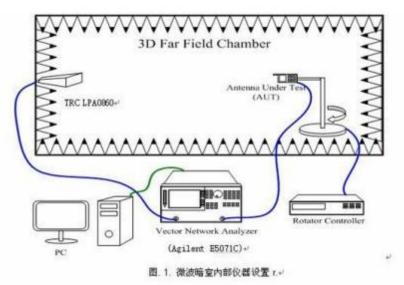
3. Description of the experimental equipment

N measuring instrument: microwave dark room, Agilent network analyzer, Agilent spectrum analyzer, CM W500 comprehensive tester.

n standard antenna.

Description of the n microwave dark chamber:

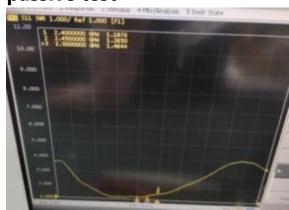
This is the microwave dark room set by the company in Shenzhen. The microwave dark room is a far field measurement system. The size of the dark room is 5.0 meters x3.0 meters x3.0 meters, and the static area size (Quiet zone) is 15 cm x15 cm x15 cm.



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4. Matching circuit (the matching circuit of your motherboard is not changed)

5. Product test report: passive test





Passive Test For WI FI2.4					
Freq	Effi	Gain			
(MHz)	(%)	(dBi)			
2400	26. 29	0.36			
2410	27. 23	0.5			
2420	27. 22	0.68			
2430	28.03	0.77			
2440	27.95	0.86			
2450	27.89	0.72			
2460	27.77	0.75			
2470	26. 4	0.36			
2480	25. 19	0. 23			
2490	24.95	0. 24			
2500	25. 32	0.5			

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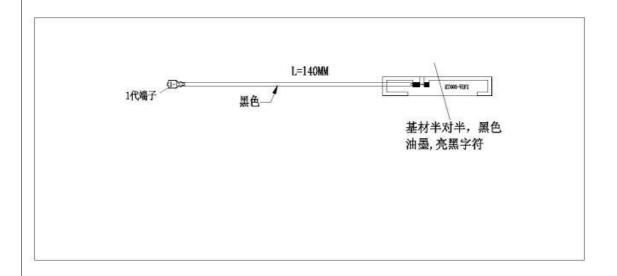
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Active test

	СН	TRP	TIS
802. 11G	1/54M	11.3	-72.4

6. Treatment of the antenna environment not have

6. Product 3D structure diagram and remarks



8. Product

packaging

description

Packaging

(packaging)

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1. QA detects the OK products

2.2000 PCS product assembly package (actual production according to the sample layout)

2. A package of 2000 / PCS, and affixed with product labels

3. Put the packaged OK products into the carton and label the outer products

深圳市一加一	无线通讯技术有限公司
	出货标签
客户名称	物料编码
品名	规格型号
数量	生产日期
订单号	备注

Note: In addition, different specifications of packaging boxes can be selected according to the product shape

9, Reliability test report

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Dongsheng

Deming

numbe r	Test type	test item	Test method / rigor grade	sample	test data	test result	elaborate	
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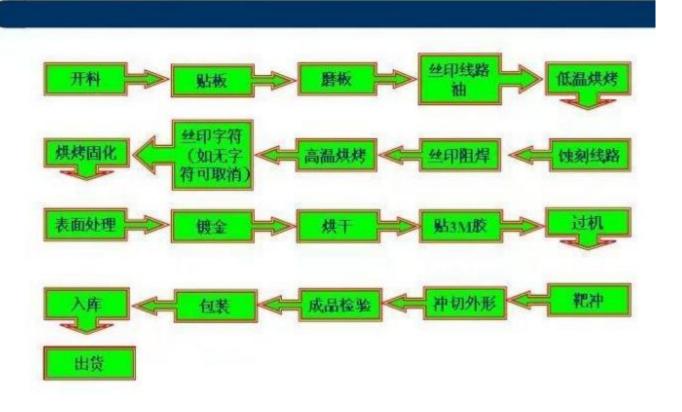
1		High tem per atu re and hig h hum idi ty	+ 60°C, 93% humidity, 48H	2	Restore 2 hours of check, after the test structure, no crack, fade and other different ordinary.	PASS	
2	Environmental class	salt atmosp here	In a closed environment of 35°C ± 2°C, humidity> 85%, PH within 6.5-7.2, continuous spray with 5% ± 1% NaCl solution 24H, built—in hardware and inner insert 8H;. After the test, dry at room temperature for 24H + high temperature for 2H (Adjust drying temperature 55-60) check.	2	The surface of the product can not have discoloration, foaming, coating shedding, wrinkles, cracks, deformation, warping, oxidation, corrosion and other abnormalities.	PASS	
3		tempe rat ure ict us	Store low temperature—30°C for 1H and transfer to high temperature 80°C for 1H, intermediate conversion time of 5min; 24 times, Russian market: -40°C -70°C each temperature point for 1 hour, 24 cycles. After removal, place the room temperature for 2H, and check the appearance and structure position	2	Structural parts without cracks, fading and other abnormalities	PASS	
4		buckli ng	Hold both ends of the sample with both hands at a coating area greater than 10mm * 10mm Parts and easy to produce fusion line, bending; plastic material in easy to produce fusion line Bend; bend the sample by 180 degrees, apply force evenly and fold once		However, the edge of the oil film shall not be raised (no test for special material), and the hand feels qualified; the section is neat and brittle when bending.	PASS	

10. Production process flow chart

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工艺流程(普通天线板)



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