

Antenna acknowledgment

Date Year Month Day

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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
Product 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.

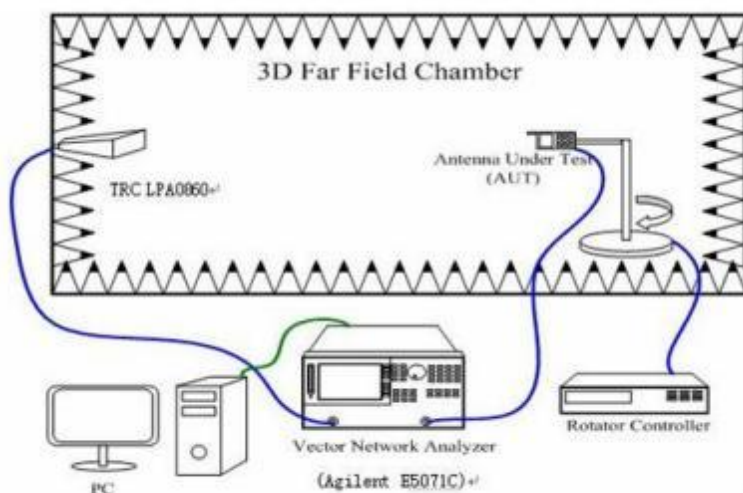


图 1. 微波暗室内部仪器设置 r.v

UNLESS OTHER SPECIFIED TOLERANCES ON :
 $X = \pm 1$ $X.X = \pm 0.1$ $X.XX = \pm 0.01$
 ANGLES = \pm HOLE DIA = \pm



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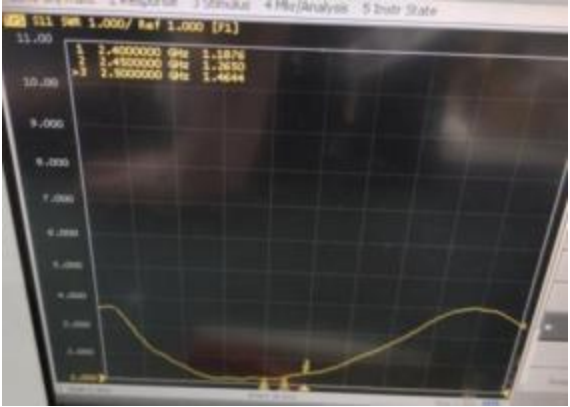
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4. Matching circuit (the matching circuit of your motherboard is not changed)

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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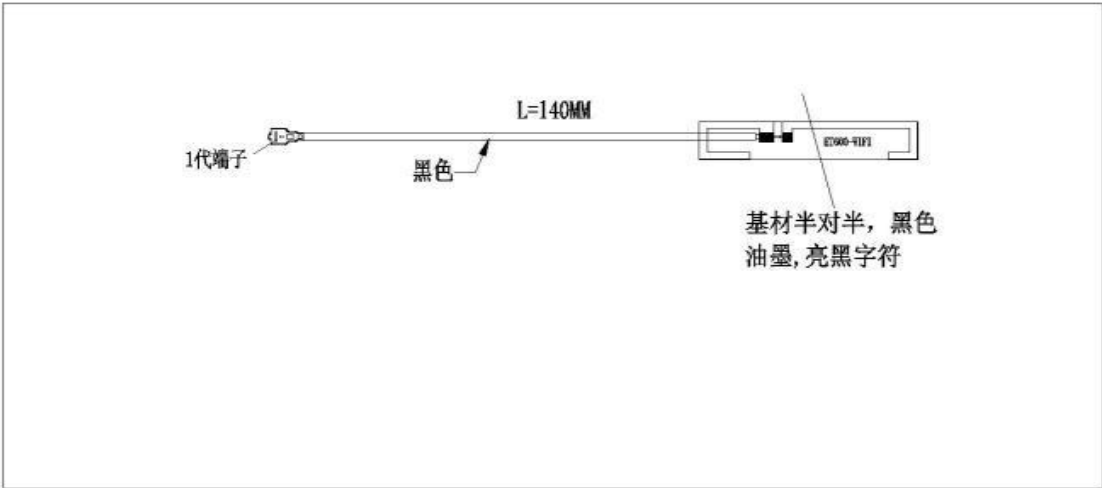
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Active test


	CH	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

number	Test type	test item	Test method / rigor grade	sample	test data	test result	elaborate
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1	Environmental class	High temperature and high humidity	+ 60°C, 93% humidity, 48H	2	Restore 2 hours of check, after the test structure, no crack, fade and other different ordinary.	PASS	
2		salt atmosphere	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		temperature impact	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		buckling	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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