

# 深圳市一加一无线通讯技术有限公司

Shenzhen OnePlusOne Wireless Communication Technology Co.,Ltd

## 承認書

SPECIFICATION FOR APPROVAL

Manufacturer: Heifeng Zhizao(Shenzhen)Technology Co.,Ltd

Model: Q3

Description: WIFI ANT

料號:

Part Number

日期: 2022年7月22日

Date Year Month Day

UNLESS OTHER SPECIFIED TOLERANCES ON:

X=±1 X.X=±0.1 X.XX=±0.01

ANGLES=±

HOLE DIA=±



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OnePlusOne Wireless Communication Technology Co.,Ltd

SCALE:

UNIT: mm

DRAWN BY: 刘鑫浩

CHECKED BY: 章生兵

DESIGNED BY: 谭德明

APPROVED BY: 杨东升

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# 1.Frequency

Frequency Band	MHz
2.4G	2400-2500

# 2. Experimental equipment

- measuring instrument: microwave dark room, Agilent network analyzer, spectrum analyzer, Agilent CMW500 comprehensive tester.
- standard antenna.
- microwave dark room description:

This is the microwave anechoic room set up by our company in Shenzhen, which belongs to a set of far-field measurement system. The size of the anechoic room is 5.0 m x3.0 m x3.0 m, and the size of the Quiet zone is 15 cm x15 cm x15 cm.

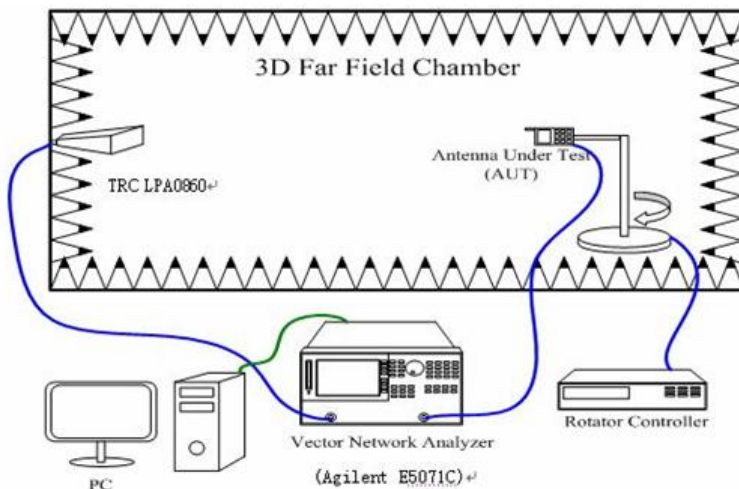


图. 1. 微波暗室内仪器设置 r.

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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### 3.Test Data

Passive Test For WIFI					
Freq (MHz)	Effi (dB)	Gain (dBi)	Gain (dBd)	Max (dB)	Min (dB)
2400	-2.41	1.81	-0.34	1.81	-15.5
2410	-2.39	1.63	-0.52	1.63	-15.41
2420	-2.42	1.41	-0.74	1.41	-14.49
2430	-2.23	1.41	-0.74	1.41	-13.41
2440	-1.88	1.55	-0.6	1.55	-12.62
2450	-1.64	1.89	-0.26	1.89	-12.41
2460	-1.62	2.21	0.06	2.21	-12.73
2470	-1.52	2.56	0.41	2.56	-13.18
2480	-1.42	2.78	0.63	2.78	-13.67
2490	-1.31	2.82	0.67	2.82	-14.16
2500	-1.43	2.47	0.32	2.47	-13.89

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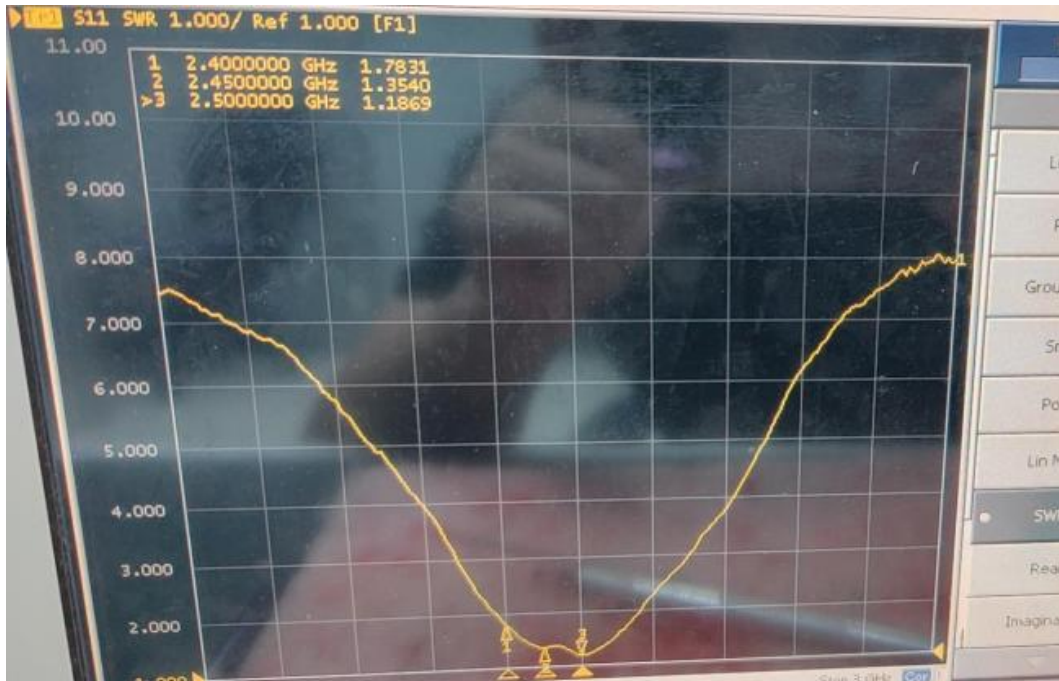
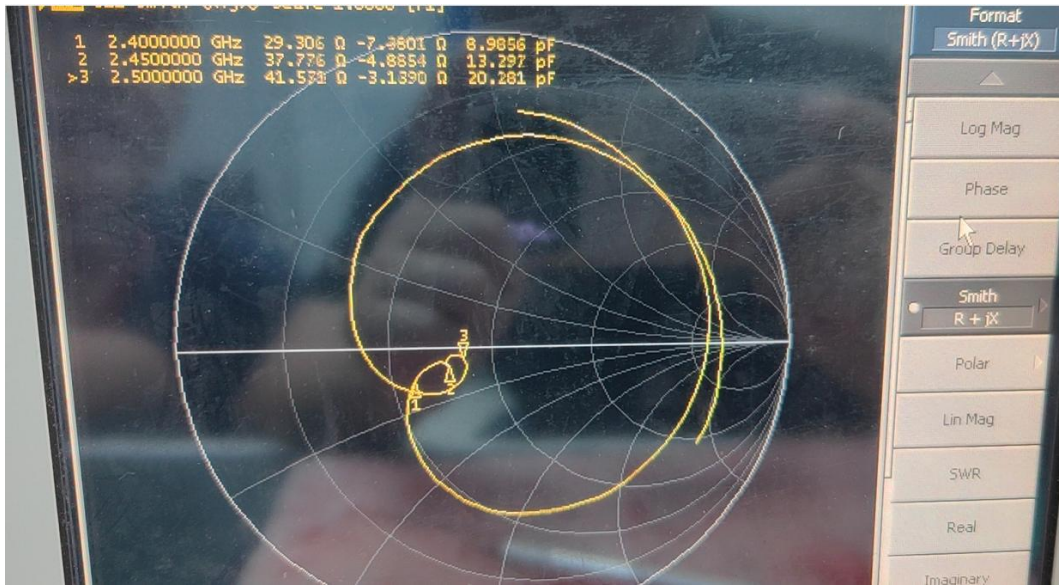
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**Passive:**



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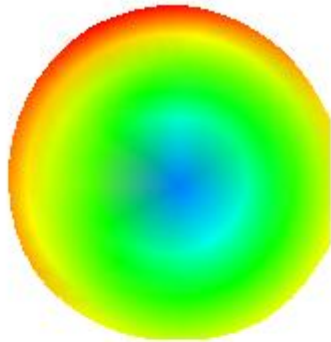
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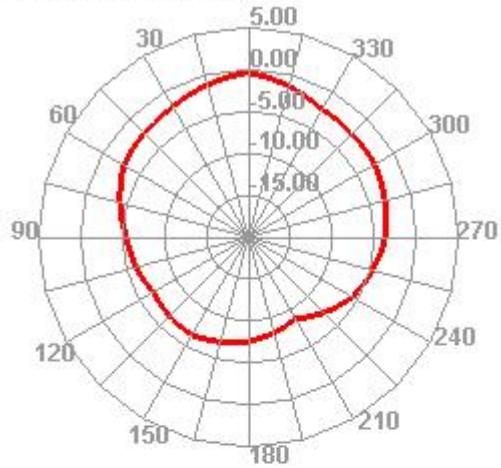
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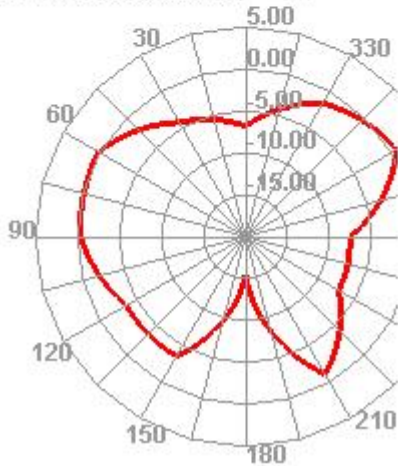
2400.000MHz



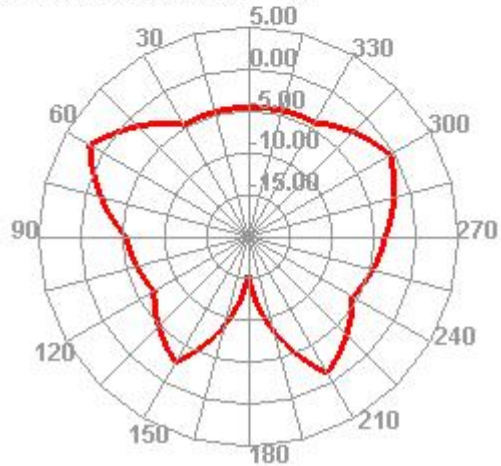
2400.000MHz H



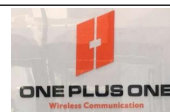
2400.000MHz E1



2400.000MHz E2



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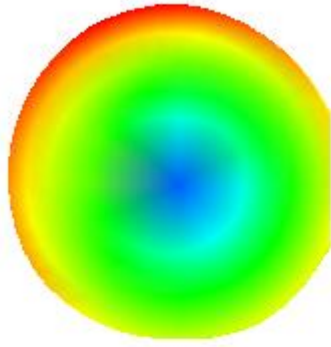
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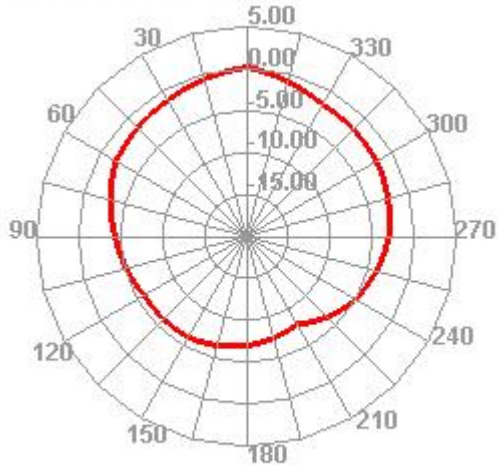
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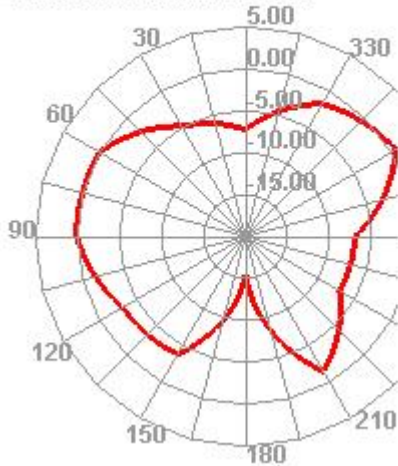
2410.000MHz



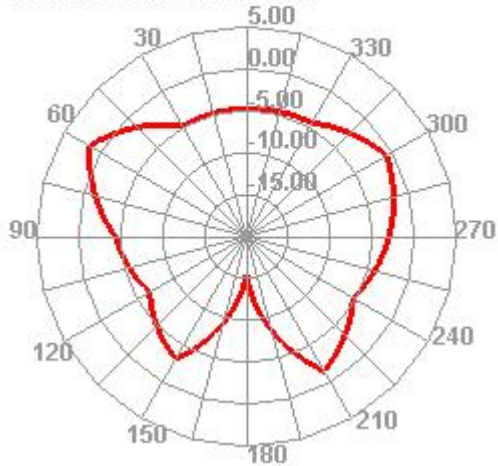
2410.000MHz H



2410.000MHz E1



2410.000MHz E2



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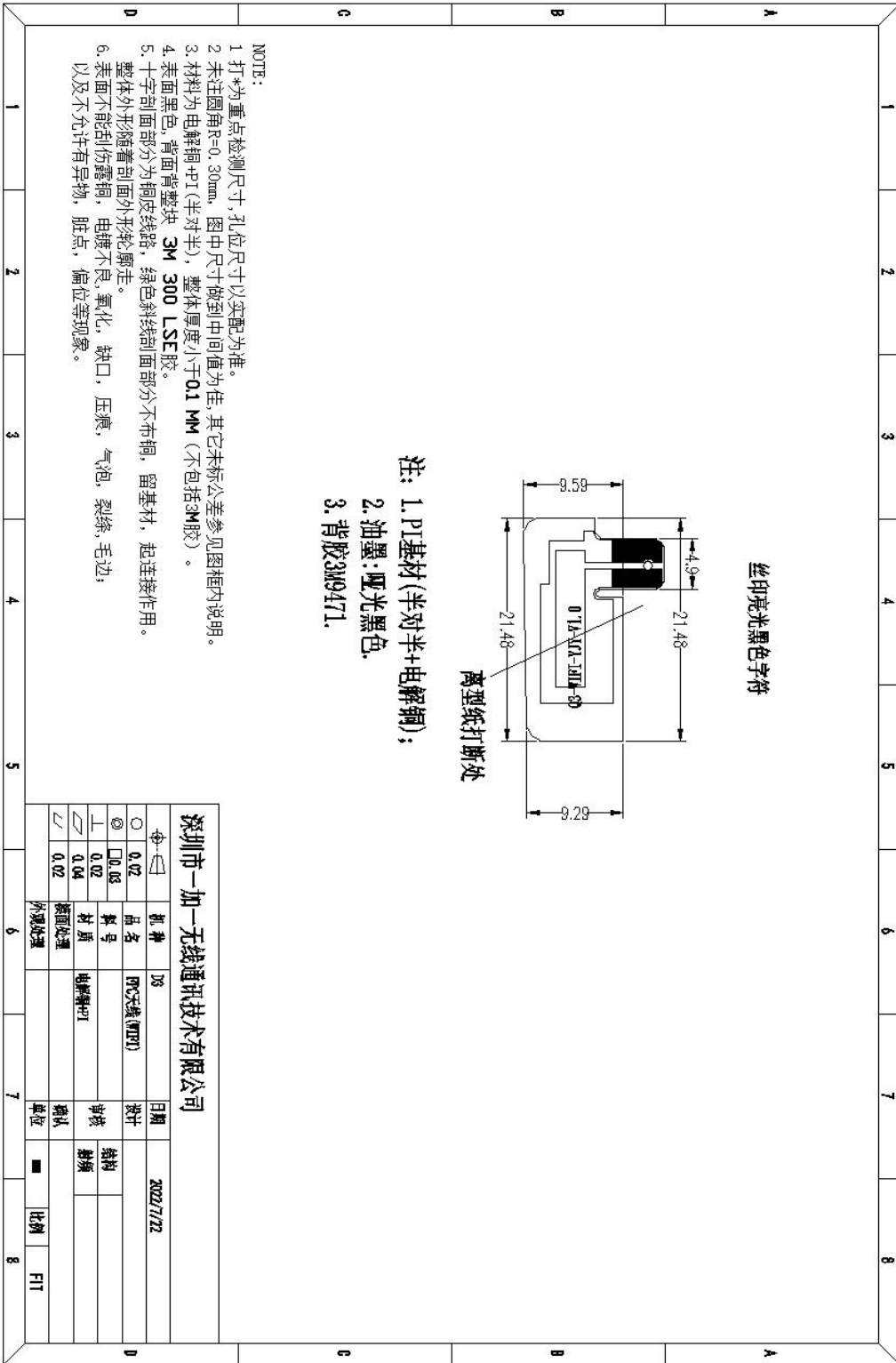
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# 4.size



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