



倍视达

# 规格承认书 APPROVAL SHEET

供应商: 信诺山

CUSTOMER:

品名: Antenna

DISCRIPTION:

型号: WIFI/BT

MODEL NO:

供应商料号: W775-1B120B-B

CUSTOMER P/N:

机种: Z10-960

CUSTOMER MODEL:

承认部门	项目	硬件	软件	测试	fae,结构	技术中心 经理
确 认						

审核结果:

合格

不合格

说明:

REMARK:

<b>CONTENTS</b> .....	<b>1</b>
<b>1. PROJECT INFORMATION AND ELECTRICAL SPECIFICATION</b> .....	<b>3</b>
1-1 PROJECT PICTURE.....	3
1-2 FREQUENCY BAND: .....	3
1-3 IMPEDANCE MATCHING .....	3
<b>2. VSWR</b> .....	<b>3</b>
2-1 MEASURING METHOD:.....	3
2-2 S11 PARAMETER VALUES .....	4
<b>3. EFFICIENCY AND GAIN</b> .....	<b>4</b>
3-1 EFFICIENCY/PEAKGAIN- /WIFI/BT .....	5
<b>4. THE PRODUCTION INDEX</b> .....	<b>7</b>
<b>5. STRUCTURAL DRAWINGS</b> .....	<b>8</b>

## 1. Project information and Electrical Specification

*Those specifications were specially defined for Z10-960 model, and all characteristics were measured under the model's handset testing jig.*

1-1 Project picture



1-2 Frequency Band:

Frequency Band	MHz
Wi-Fi/BT	2400-2500

1-3 Impedance matching

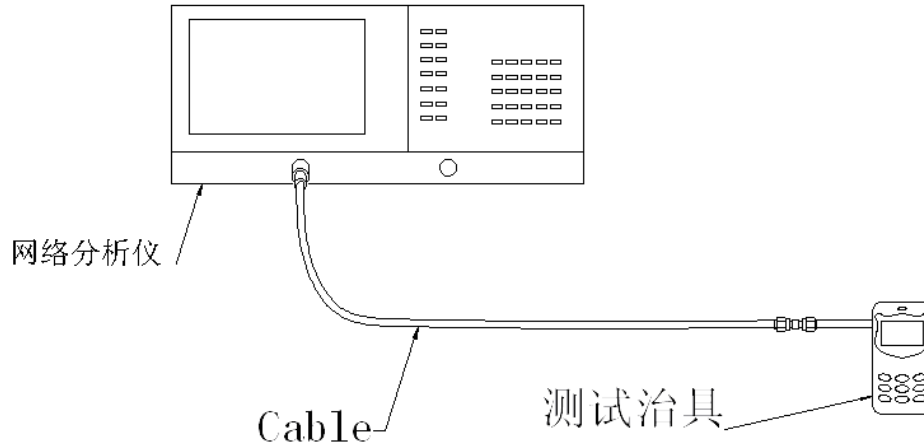
天线原匹配无更改

## 2. VSWR

### 2-1 Measuring Method:

- 1. A 50Ω coaxial cable is connected to the antenna. Then this cable is connected to a network analyzer to measure the VSWR,*
- 2. Keeping this jig away from metal at least 20cm.*

测试示意图如下：



### 2-2 S11 parameter values

频率 (MHZ)	2400	2500
驻波	1.09	1.13



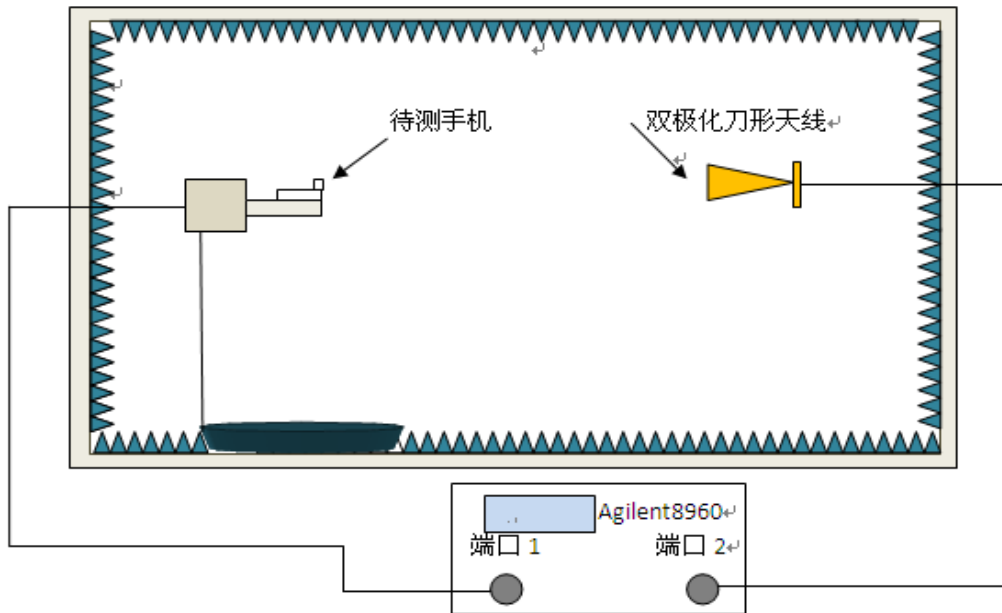
### 3. Efficiency and Gain

**\*measuring and test instruments:**

微波暗室，Agilent 网络分析仪，Agilent 频谱分析仪，8960 综合测试仪，标准天线

**\*test method:**

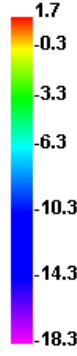
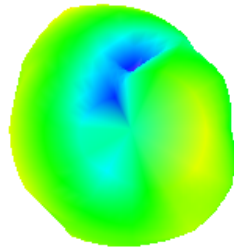
equipment 以 H 面放于转台中心位置固定，与喇叭天线中心位置在同一个水平线上。



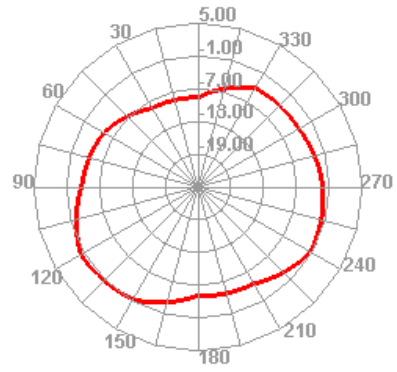
3-1 Efficiency/Gain- WIFI/BT

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	50.67	-2.95	1.73
2450	50.75	-2.95	1.69
2500	51.75	-2.86	1.9

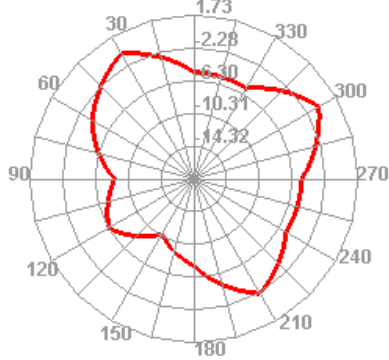
2400.000MHz



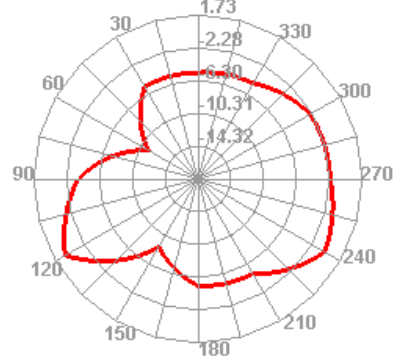
2400.000MHz H



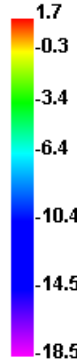
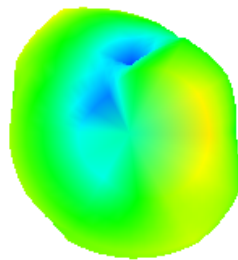
2400.000MHz E1



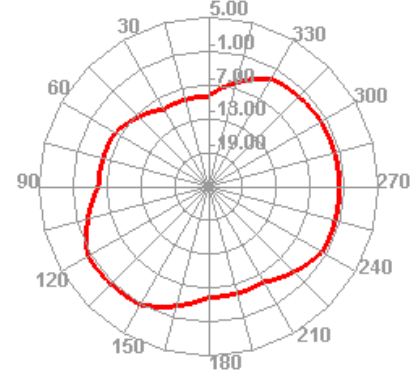
2400.000MHz E2



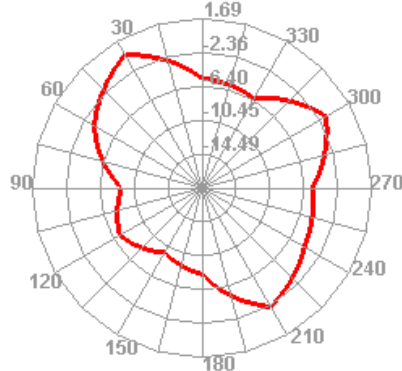
2450.000MHz



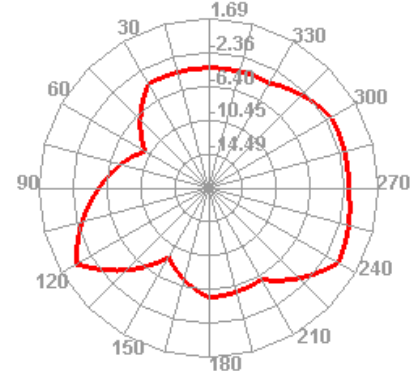
2450.000MHz H

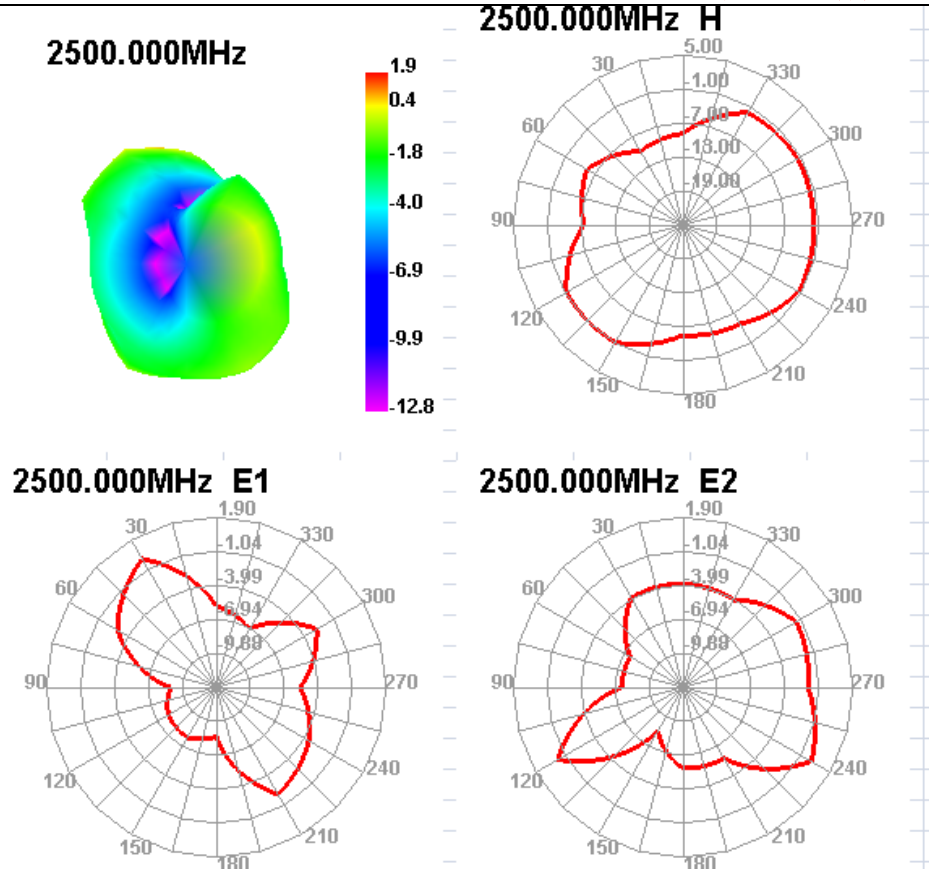


2450.000MHz E1



2450.000MHz E2





#### 4. The production index

天线量产时，以驻波比作为量产测试标准。  
根据项目本身的差异,给出如下标准:

频率 (MHZ)	量产标准
2400-2500	VSWR (量产产品) < VSWR(设计样品)+0.5

### 5.structural drawings

