

维度数码

# 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: W686-1B90B-A

CUSTOMER P/N:

机 种: 数码相框

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:

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## 1. Project information and Electrical Specification

Those specifications were specially defined for 数码相框 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

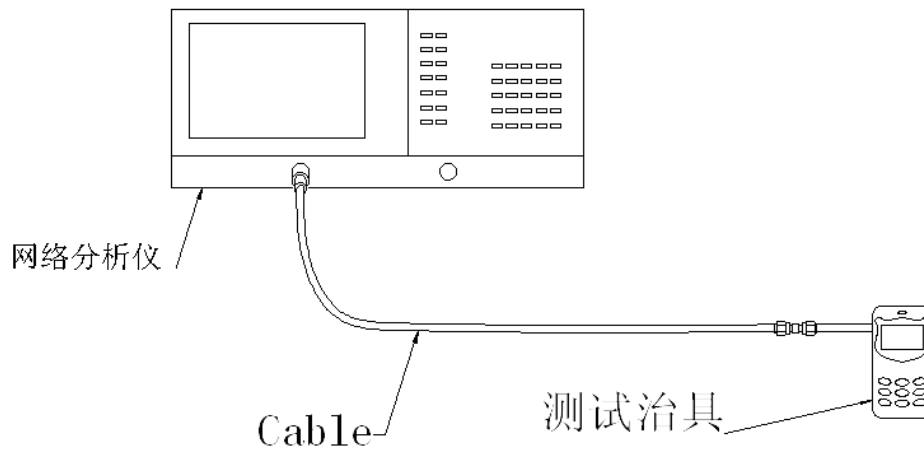
天线原匹配无更改

## 2. VSWR

### 2-1 Measuring Method:

1. A  $50\Omega$  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



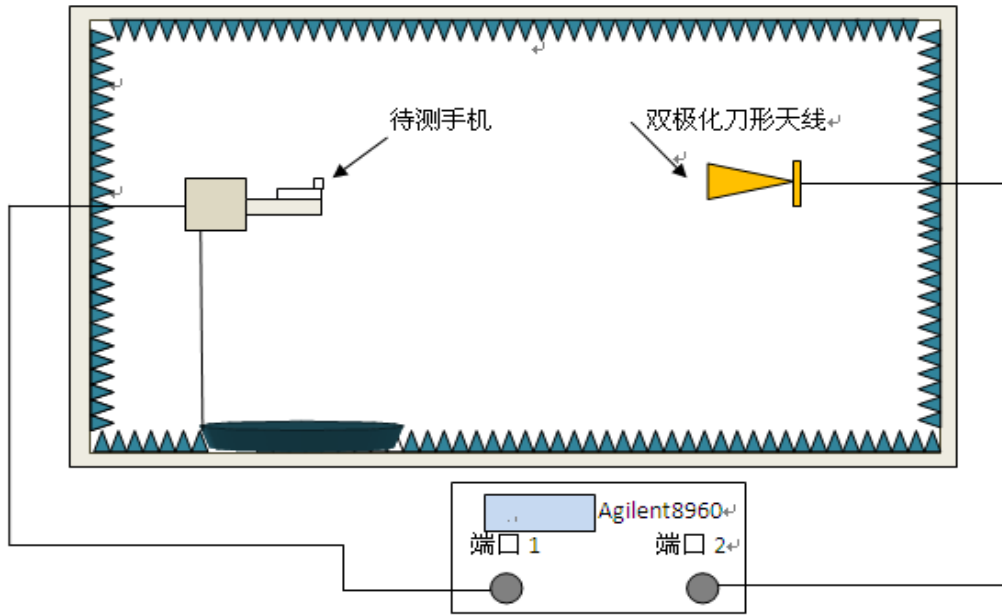
### 3. Efficiency and Gain

\*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:**

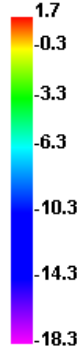
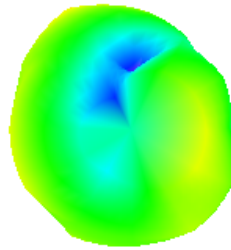
equipment 以 H 面放于转台中心位置固定, 与喇叭天线中心位置在同一个水平线上。



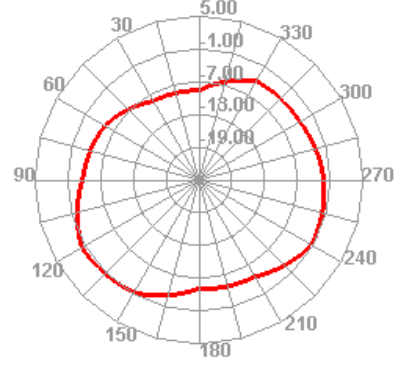
3-1 Efficiency/Gain- WIFI/BT

Passive Test For WIFI_BT								
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	Max (dB)	Min (dB)	Attenut Hor	Attenut Ver
2400	50.67	-2.95	1.73	-0.42	1.73	-18.33	51.53	51.61
2450	50.75	-2.95	1.69	-0.46	1.69	-18.53	51.67	51.63
2500	51.75	-2.86	1.9	-0.25	1.9	-12.83	51.56	51.46

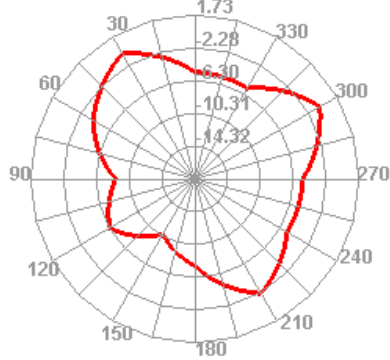
2400.000MHz



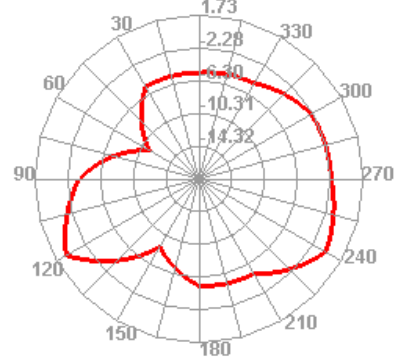
2400.000MHz H



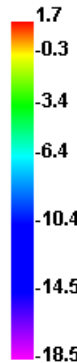
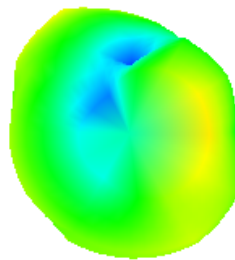
2400.000MHz E1



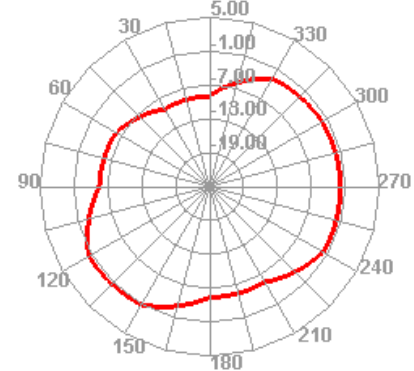
2400.000MHz E2



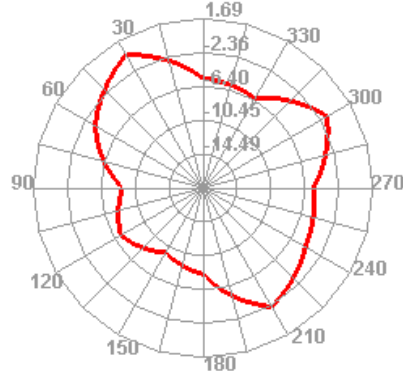
2450.000MHz



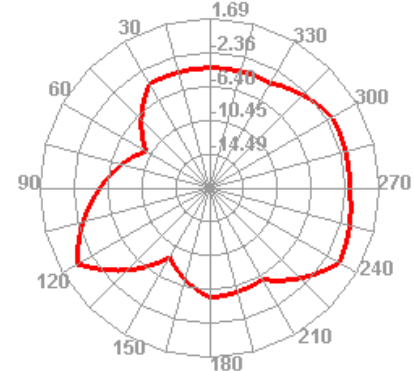
2450.000MHz H

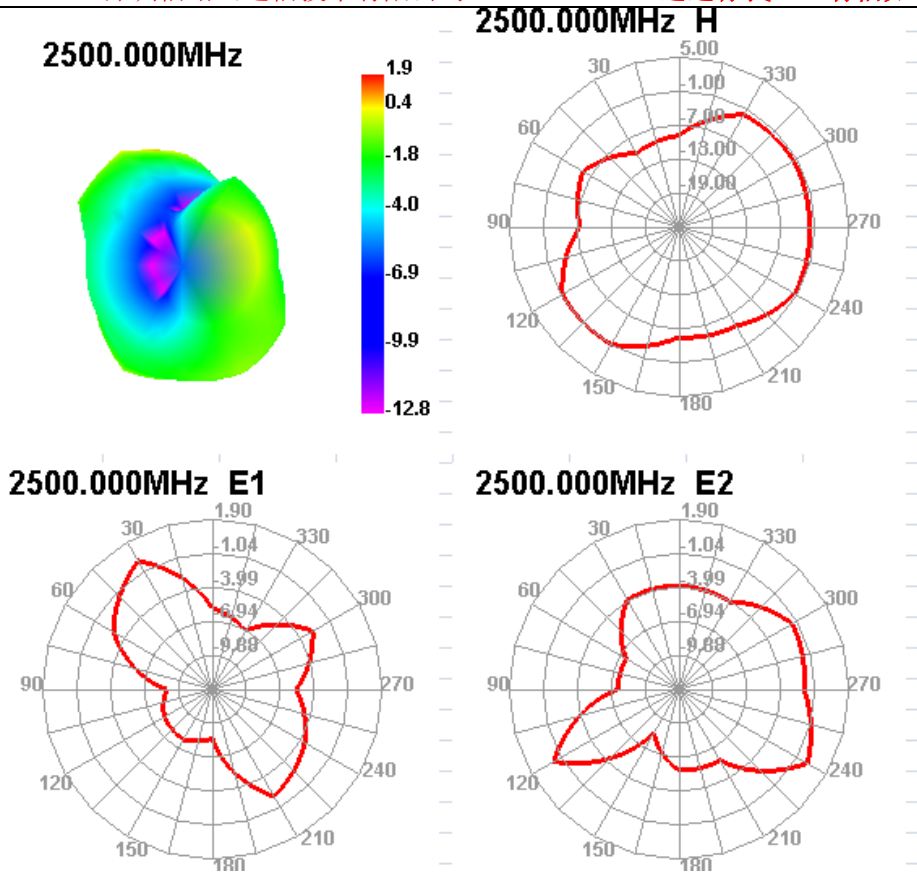


2450.000MHz E1



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

