



词歌

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：

WBP684-1B70B-A

CUSTOMER P/N:

机种：

平板

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 WIFI/BT model, and all characteristics were measured under the model's handset testing jig .

1-1 Antenna picture



1-2 Frequency Band:

Frequency Band	MHz
Wi-Fi/BT	2400-2500/5050-5850

1-3 Impedance matching

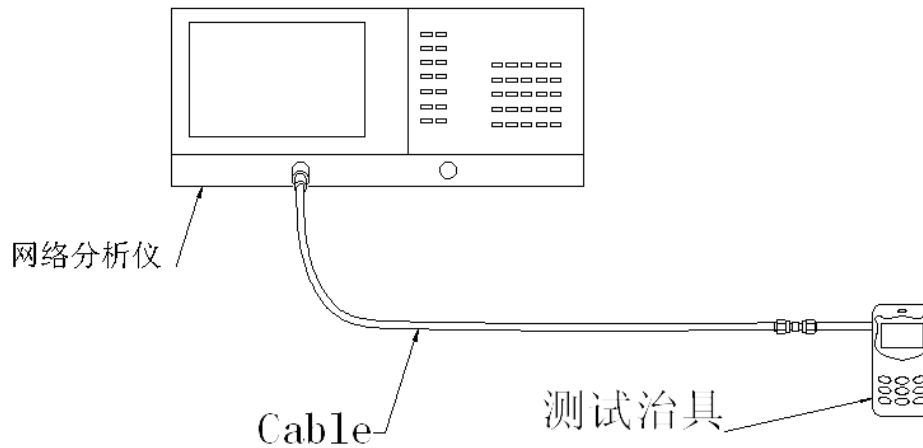
天线原匹配无更改

2. VSWR

2-1 Measuring Method:

- 1. A 50 Ω 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	5050	5400	5850
驻波	1.45	1.67	1.44	1.29	1.42



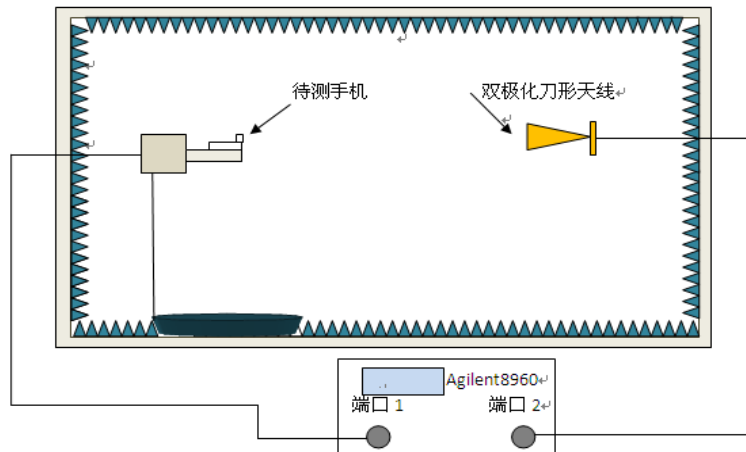
3. Efficiency and Gain

*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

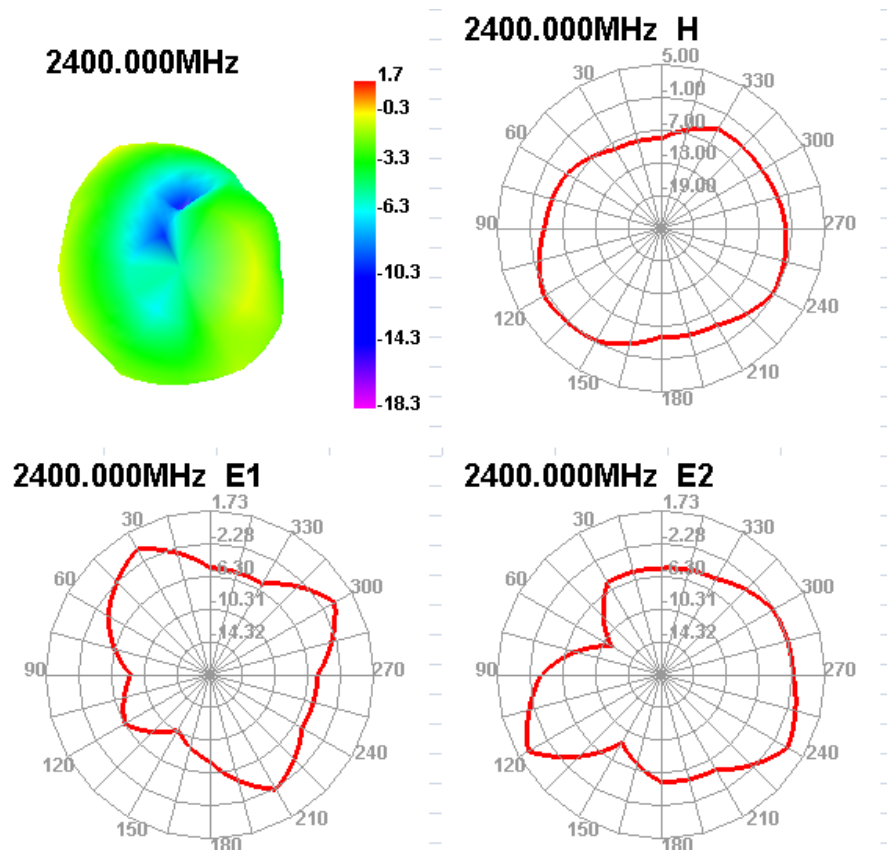
***test method:**

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。

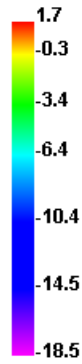
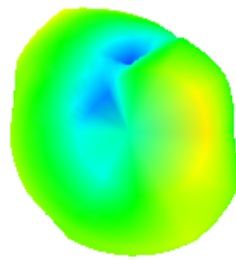


3-1 Efficiency/Gain- WIFI/BT

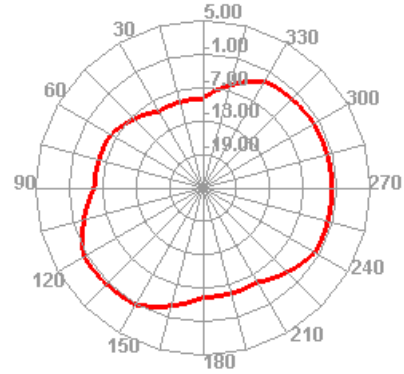
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	50.67	-2.95	1.73
2450	50.75	-2.95	1.69
2500	51.75	-2.86	1.9



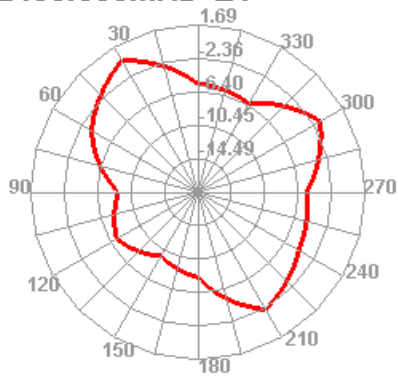
2450.000MHz



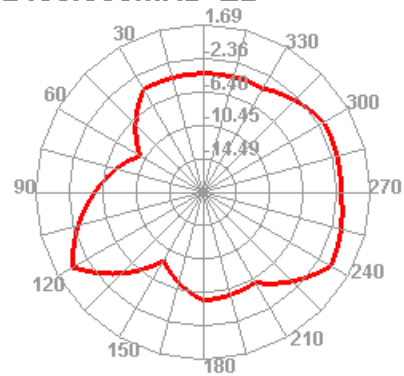
2450.000MHz H



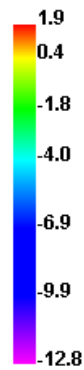
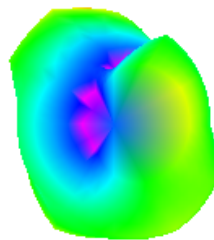
2450.000MHz E1



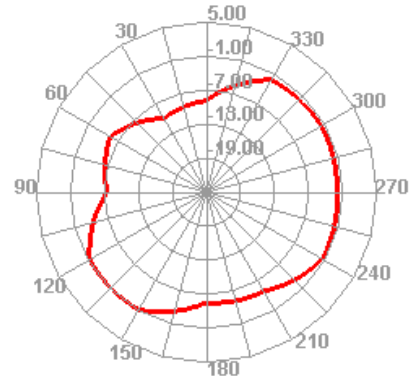
2450.000MHz E2



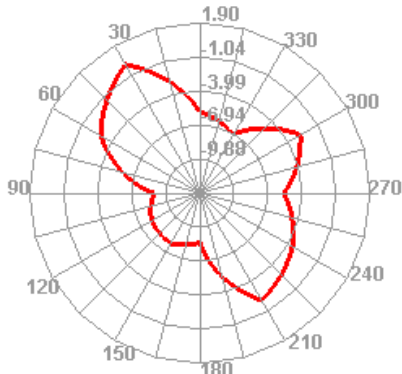
2500.000MHz



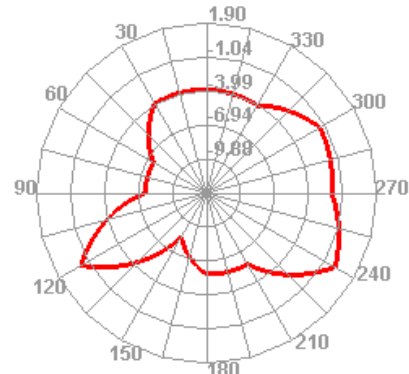
2500.000MHz H



2500.000MHz E1

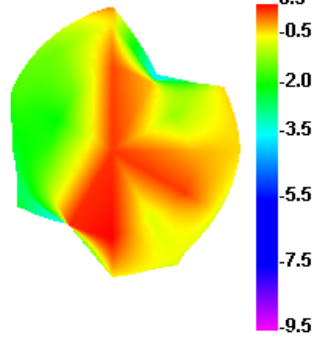


2500.000MHz E2

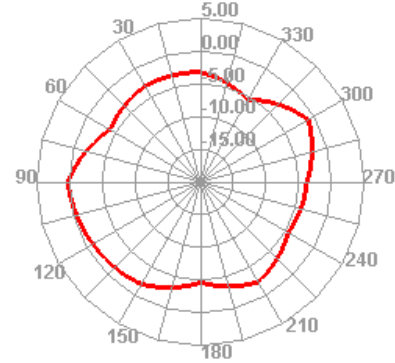


Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
5050	55.74	-2.54	0.55
5450	59.61	-2.25	0.51
5850	54.53	-2.63	0.6

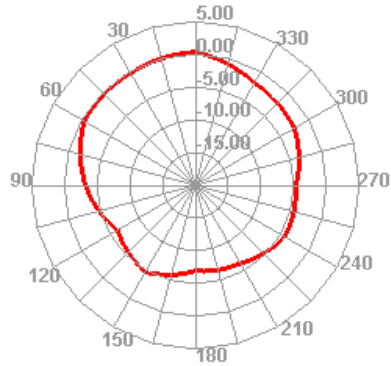
5050.000MHz



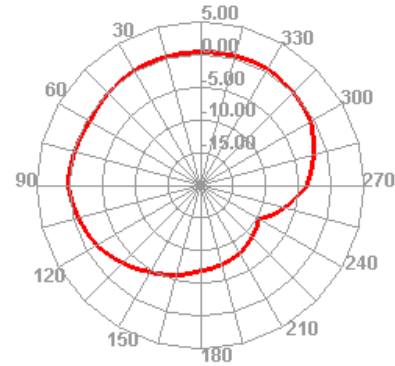
5050.000MHz H



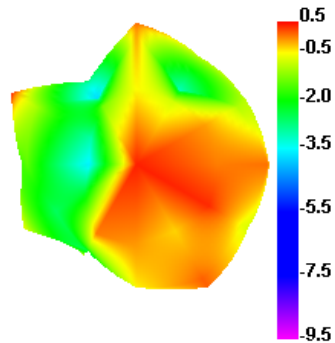
5050.000MHz E1



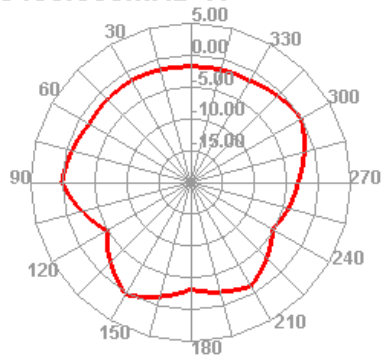
5050.000MHz E2



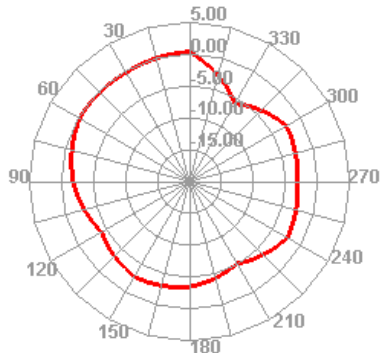
5450.000MHz



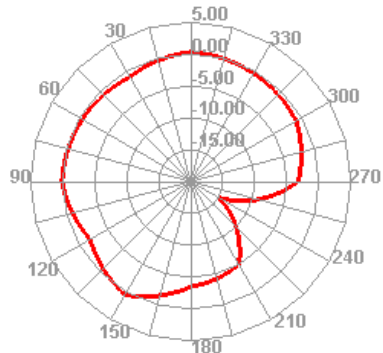
5450.000MHz H



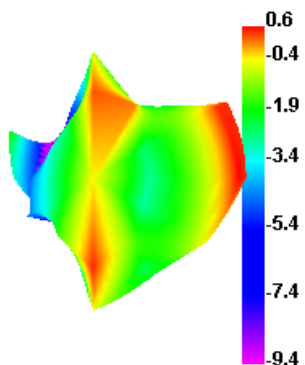
5450.000MHz E1



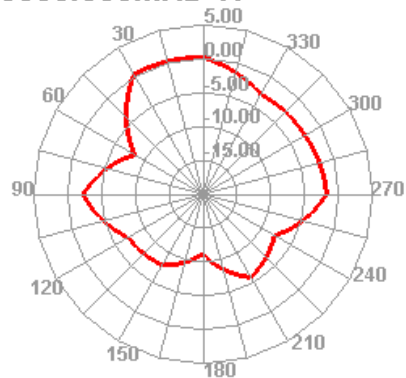
5450.000MHz E2



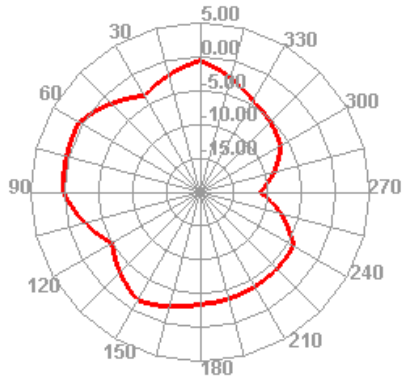
5850.000MHz



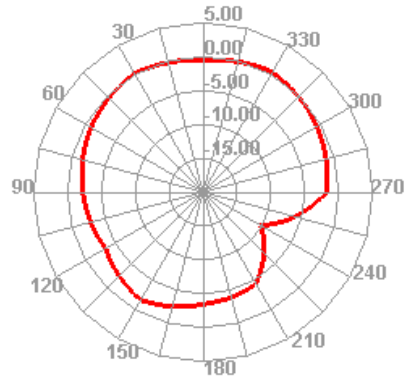
5850.000MHz H



5850.000MHz E1



5850.000MHz E2



5. 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
2400-2500/5050-5850	VSWR (量产产品) < VSWR(设计样品)+0.5

6.structural drawings

