



鑫辉数码

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：WBP700-1B-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:

CONTENTS.....	1
1. PROJECT INFORMATION AND ELECTRICAL SPECIFICATION.....	3
1-1 PROJECT PICTURE.....	3
1-2 FREQUENCY BAND:	3
1-3 IMPEDANCE MATCHING	3
2. VSWR.....	3
2-1 MEASURING METHOD:.....	3
2-2 S11 PARAMETER VALUES	3
3. EFFICIENCY AND GAIN	4
3-1 EFFICIENCY/PEAKGAIN- /WIFI/BT	5
4. ICTIVE TEST RESULT.....	错误！未定义书签。
5. THE PRODUCTION INDEX.....	8
6. STRUCTURAL DRAWINGS	9

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 Project picture

1-2 Frequency Band:

Frequency Band	MHz
GPS/Wi-Fi/BT	1575/2400-2500/5050-5850

1-3 Impedance matching

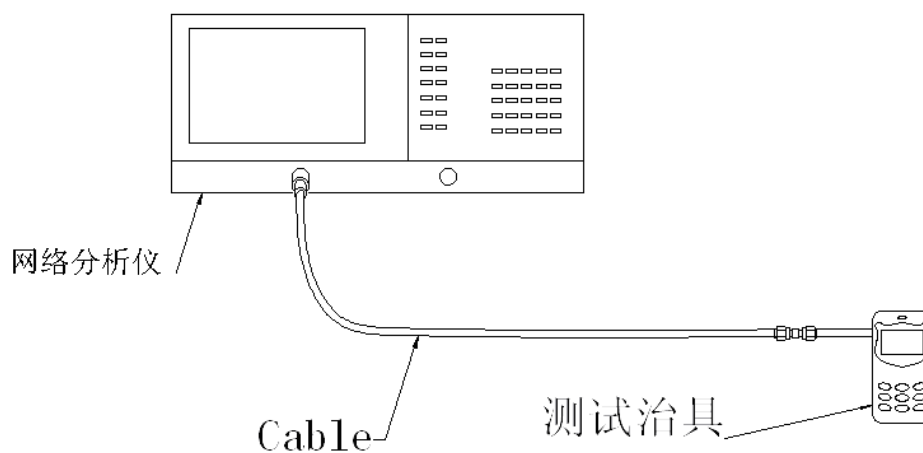
天线原匹配无更改

2. VSWR

2-1 Measuring Method:

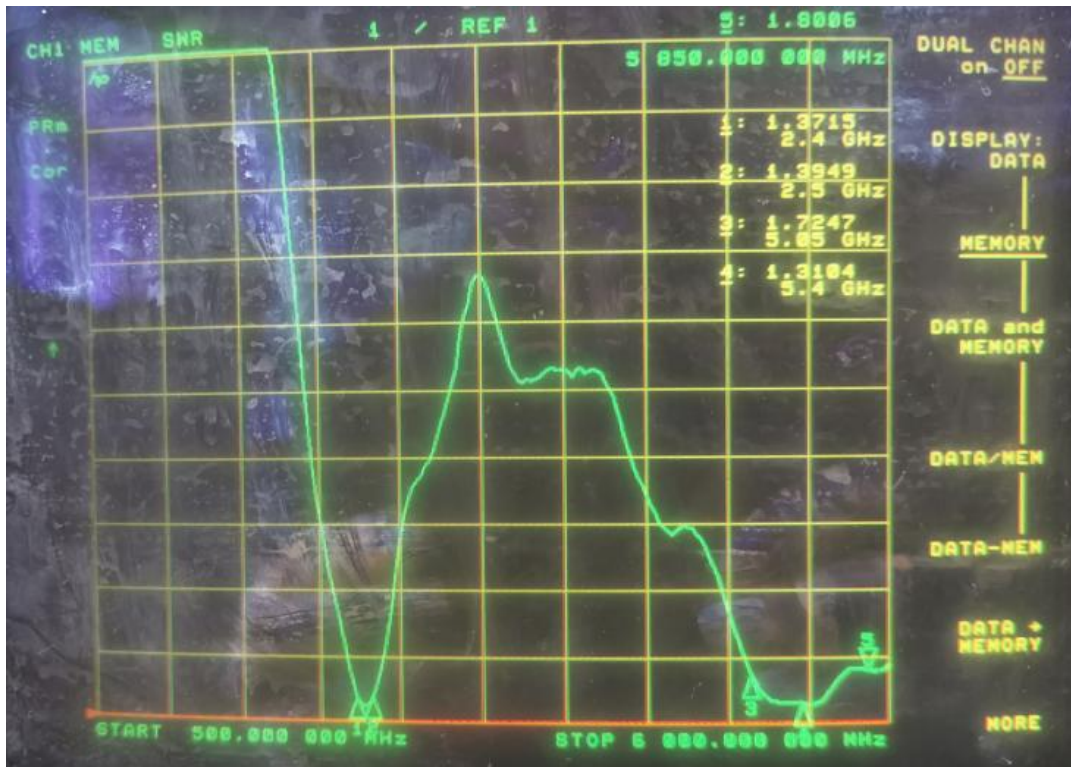
- 1. A 50 Ω coaxial cable is connected to the antenna. Then this cable is connected to a network analyzer to measure the VSWR,*
- 2. Keeping this jig away from metal at least 20cm.*

测试示意图如下:



2-2 S11 parameter values

频率 (MHZ)	2400	2500	5050	5400	5850
驻波	1.37	1.39	1.72	1.31	1.80



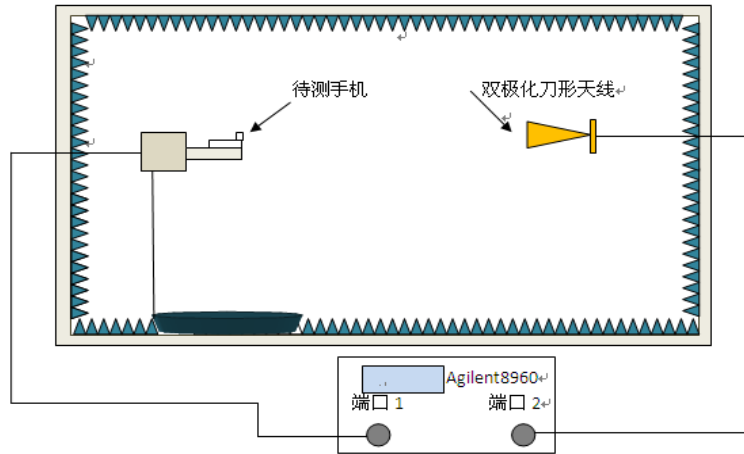
3. Efficiency and Gain

*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:

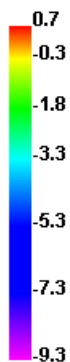
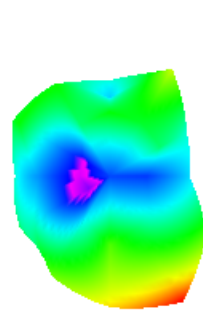
equipment 以 H 面放于转台中心位置固定, 与喇叭天线中心位置在同一个水平线上。



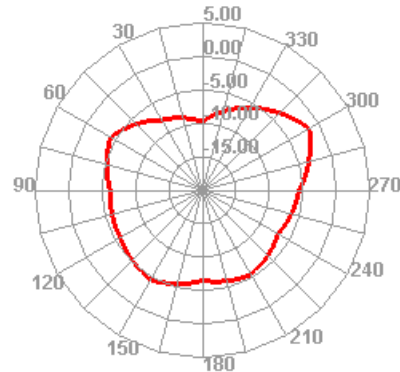
3-1 Efficiency/Gain- WIFI/BT

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	43.25	-3.64	0.69
2450	41.22	-3.85	0.4
2500	42.18	-3.75	0.55

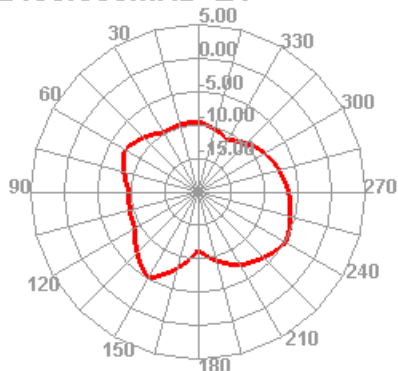
2400.000MHz



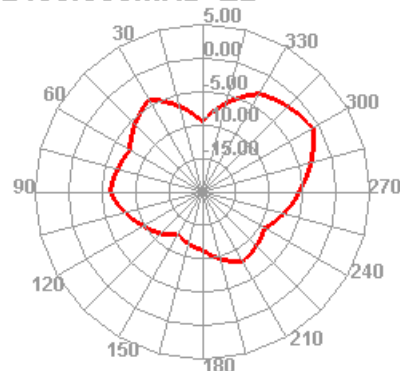
2400.000MHz H



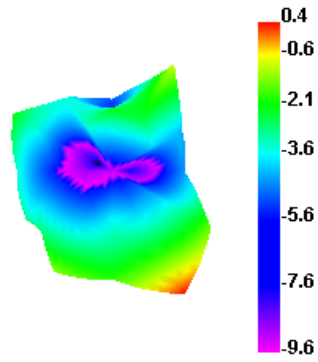
2400.000MHz E1



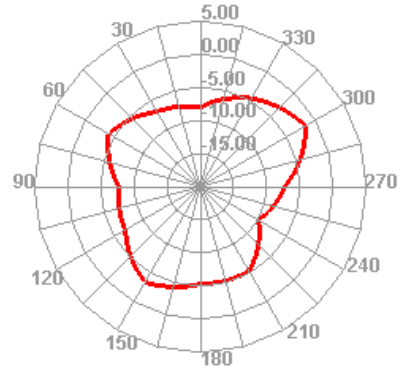
2400.000MHz E2



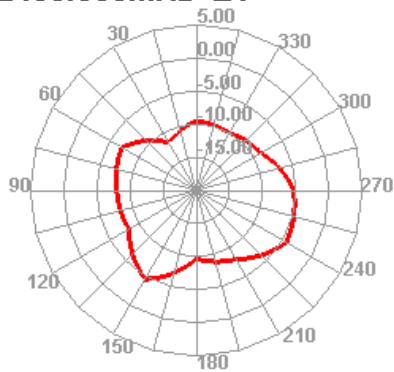
2450.000MHz



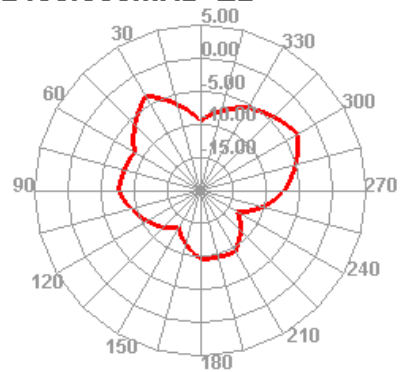
2450.000MHz H



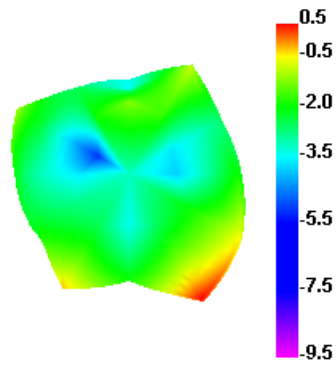
2450.000MHz E1



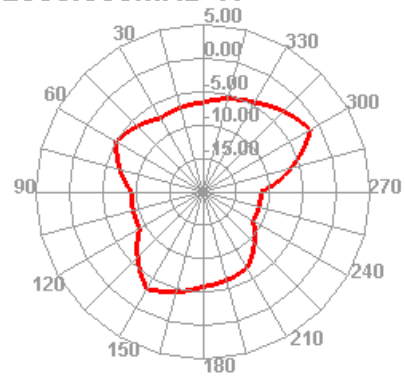
2450.000MHz E2



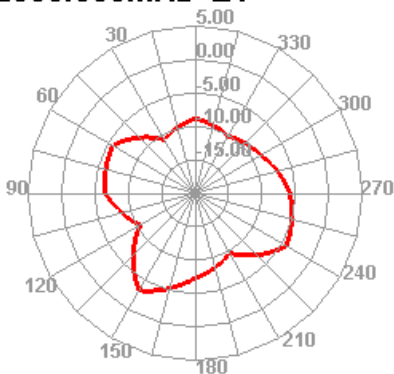
2500.000MHz



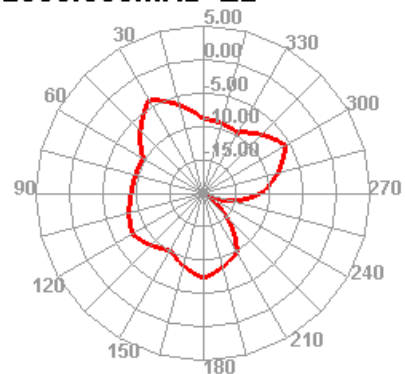
2500.000MHz H



2500.000MHz E1

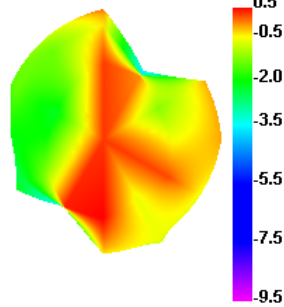


2500.000MHz E2

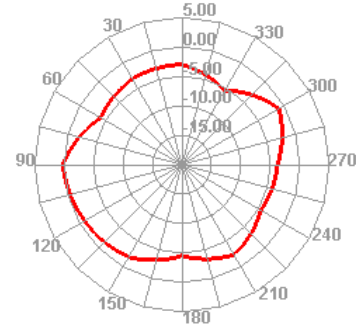


Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
5050	43.12	-3.65	0.5
5450	42.18	-3.75	0.41
5850	46.02	-3.37	0.72

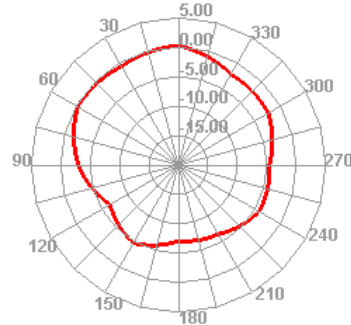
5050.000MHz



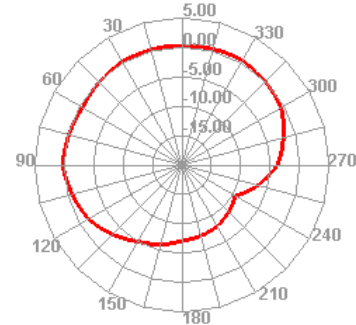
5050.000MHz H



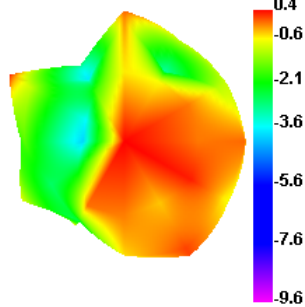
5050.000MHz E1



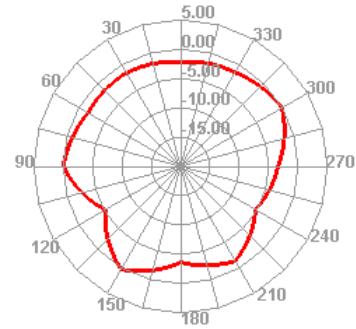
5050.000MHz E2



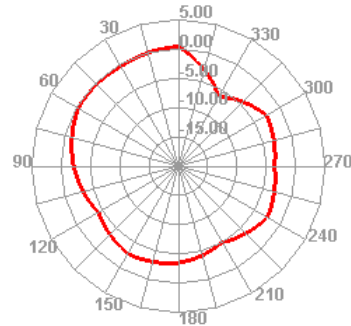
5450.000MHz



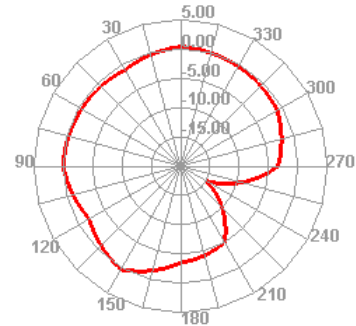
5450.000MHz H

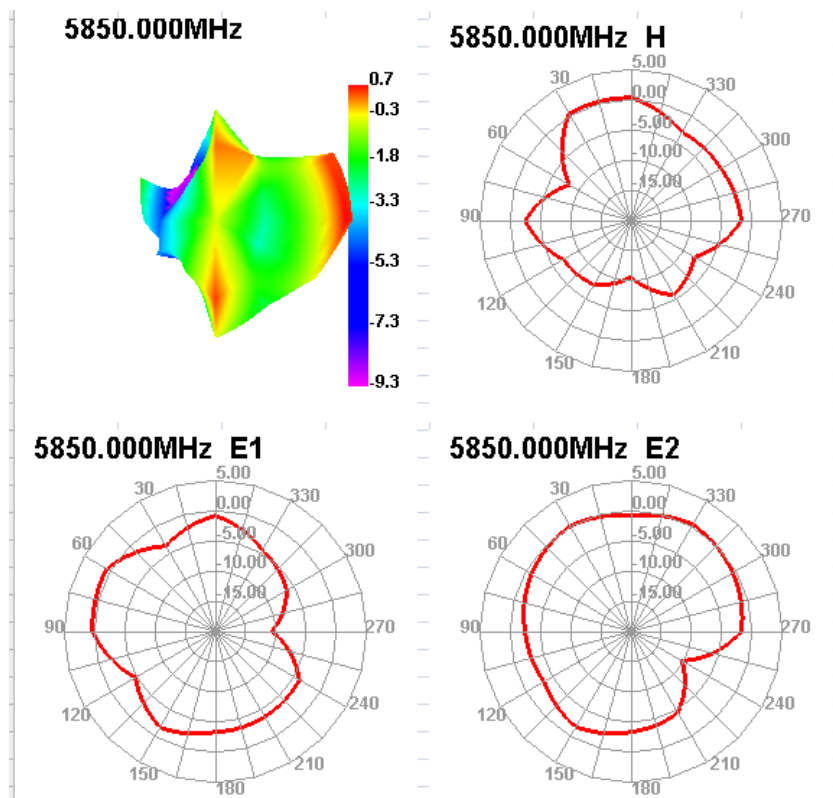


5450.000MHz E1



5450.000MHz 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
1575/2400-2500/5050-5850	VSWR (量产产品) < VSWR(设计样品)+0.5

6.structural drawings

