



凯达

规格承认书

APPROVAL SHEET

供应商:

SignalSen

CUSTOMER:

品 名:

Antenna

DISCRIPTION:

型 号:

WIFI/BT

MODEL NO:

供应商料号:

WBP700-1B185B-A

CUSTOMER P/N:

机 种:

K110

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. THE PRODUCTION INDEX.....	7
5. STRUCTURAL DRAWINGS	8

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

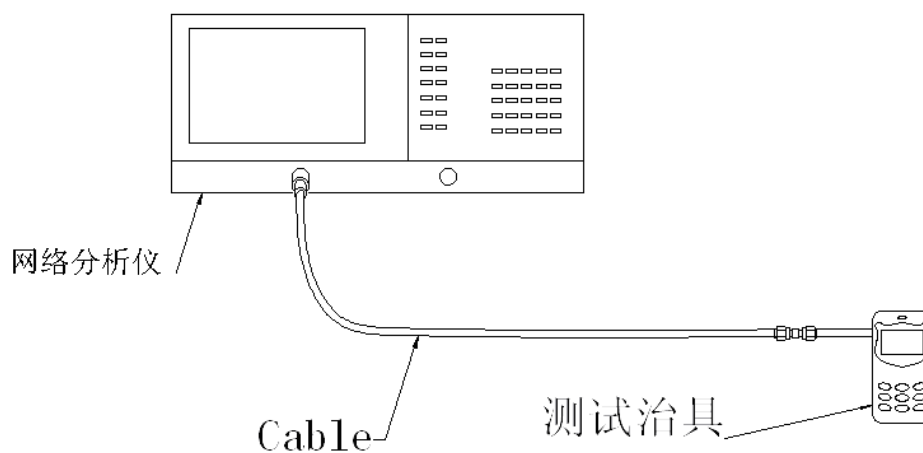
天线原匹配无更改

2. VSWR

2-1 Measuring Method:

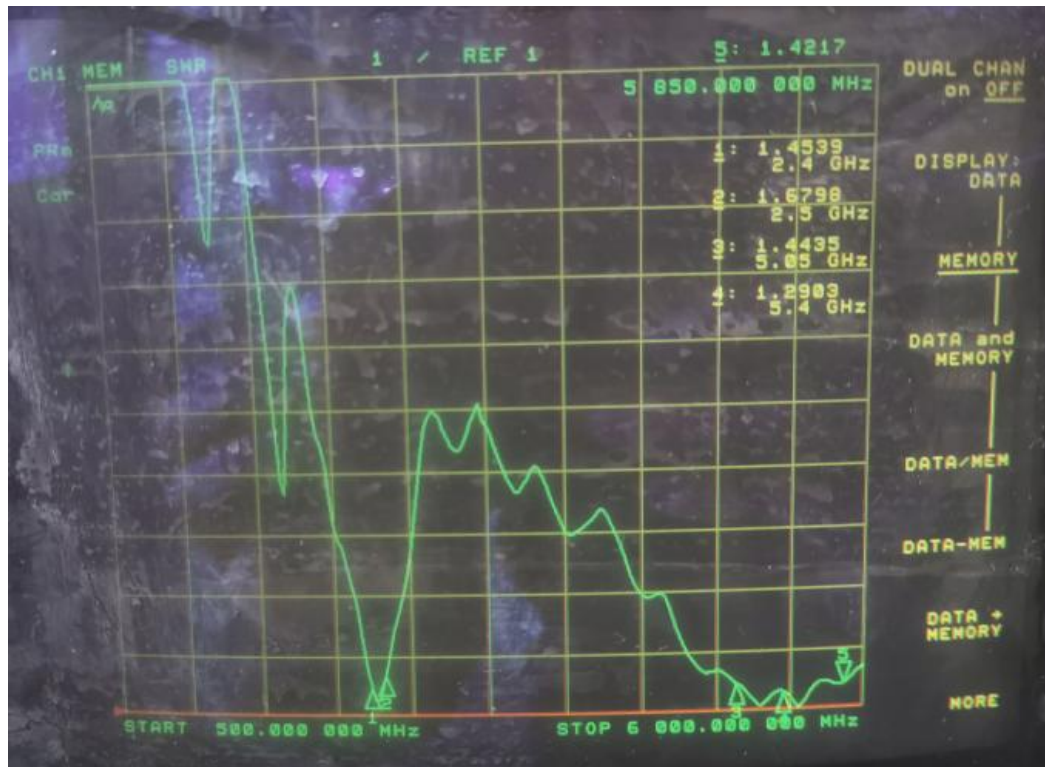
- 1. A 50 Ω coaxial cable is connected to the antenna. Then this cable is connected to a network analyzer to measure the VSWR,*
- 2. Keeping this jig away from metal at least 20cm.*

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



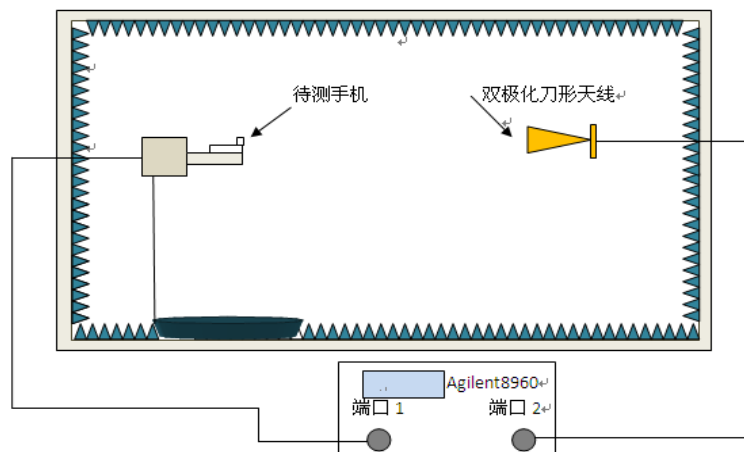
3. Efficiency and Gain

*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

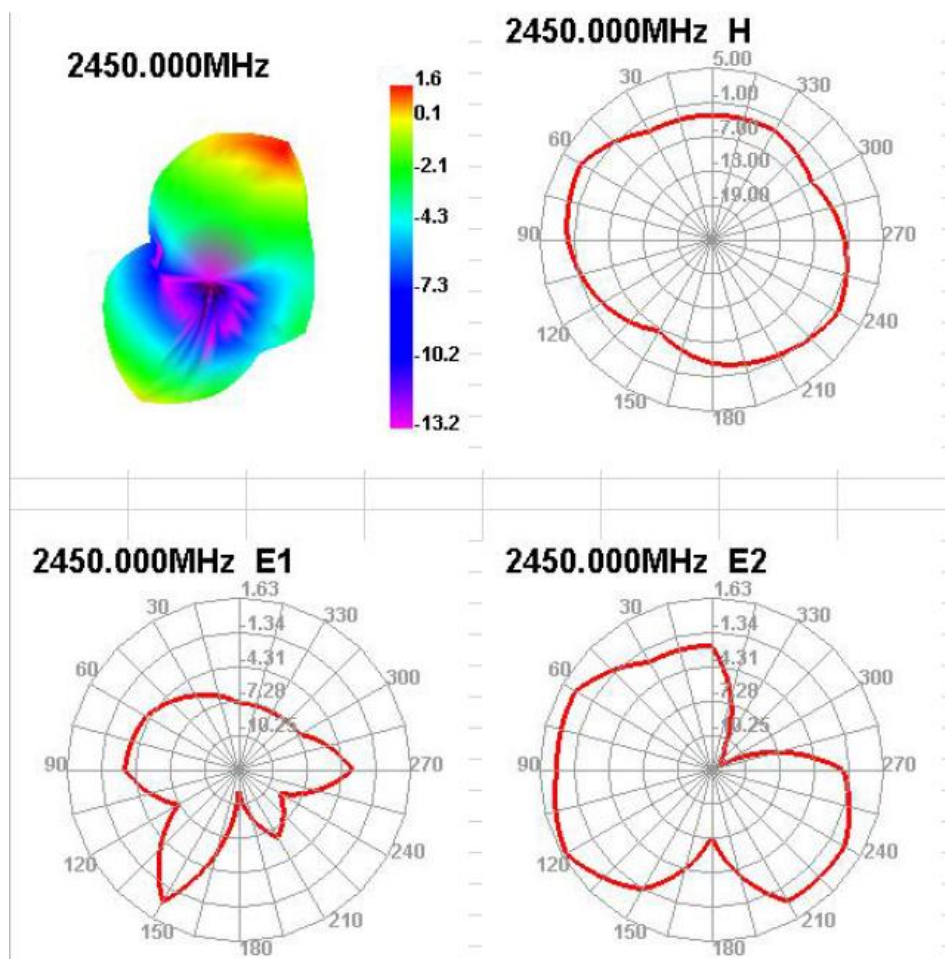
*test method:

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。

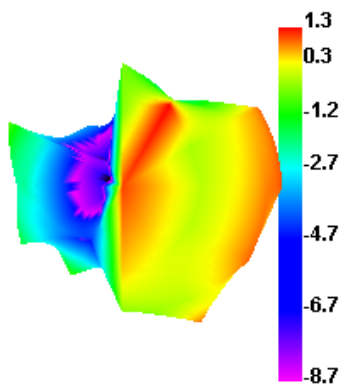


3-1 Efficiency/Gain- WIFI/BT

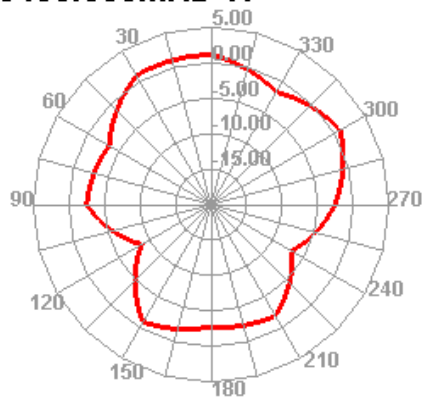
BAND	WIFI/BT					
Freq.[MHZ]	2400	2450	2500	5050	5450	5850
Eff.[%]	50.26	50.38	50.58	52.31	50.15	50.19
Peak Gain [dBi]	1.6	1.6	1.5	1.3	1.3	1.2



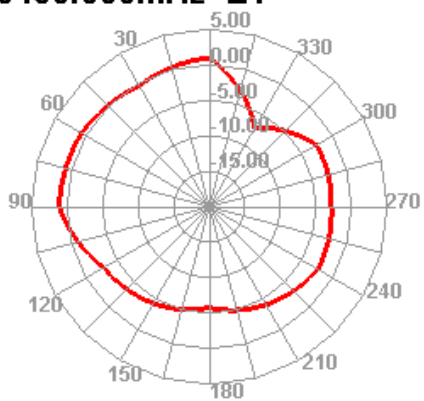
5450.000MHz



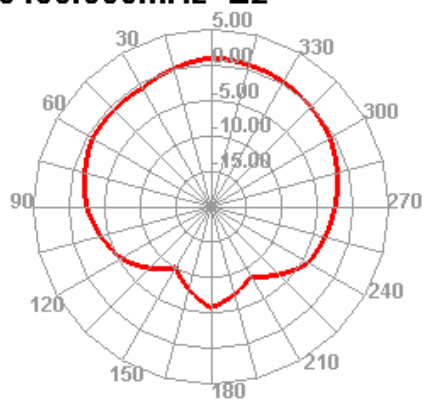
5450.000MHz H



5450.000MHz E1



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

