

凯达

规格书
APPROVAL SHEET

供应商：信诺山

CUSTOMER:
品 名：Antenna

DISCRIPTION:
型 号：GPS/WIFI/BT

MODEL NO:
供应商料号：WBP802-1B76B-A

CUSTOMER P/N:
机 种：D136A

CUSTOMER MODEL:
天线类型：
Ant type: WIFI:PIFA

制作 DRADWN	品管 Q.C.DEPT	结构 FAE	检测 TESTED BY	核准 APPROVED BY
王丽	李霞	王明	邹龙	周工
客户 CUSTOMER	客户品管 CUSTOMER Q.C.DEPT	客户结构 CUSTOMER FAE	客户检测 CUSTOMER TESTED BY	客户审核 CUSTOMER APPROVED BY

Address:
Room 211, Hengbo science and technology Industrial Park, Qingning road, Long
hua District, Shenzhen

1. Project information and Electrical Specification

Those specifications were specially defined for GPS/WIFI/BT, and all characteristics were measured under the model's handset testing jig .

1-1 Project picture



1-2 Frequency Band:

Frequency Band	MHz
GPS/WIFI/BT	1575.42/2400-2500/5150-5850

1-3 Impedance matching

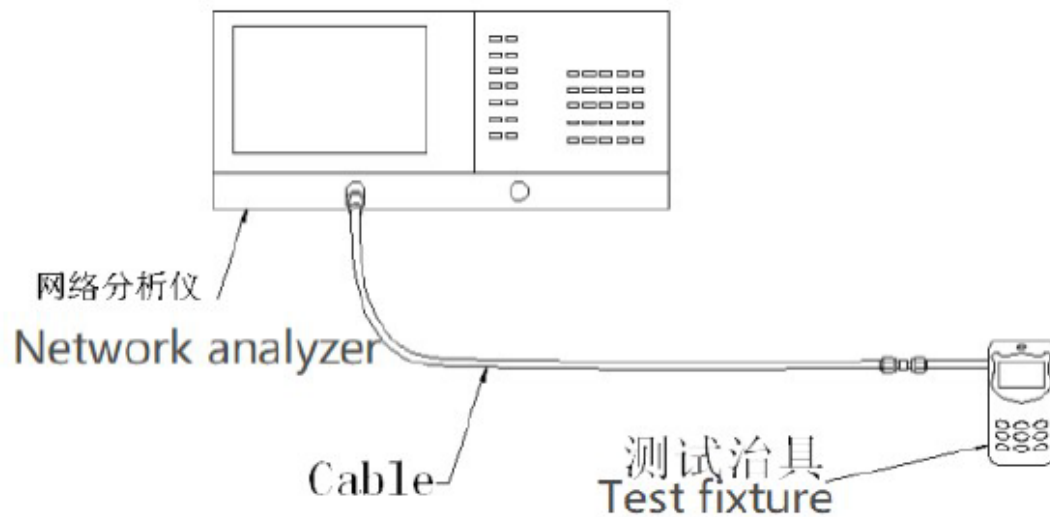
DUT 的 RF 线路上的所有匹配器件都保持不变 All matching devices on the RF circuit of DUT remain unchanged

2. VSWR

2-1 Measuring Method:

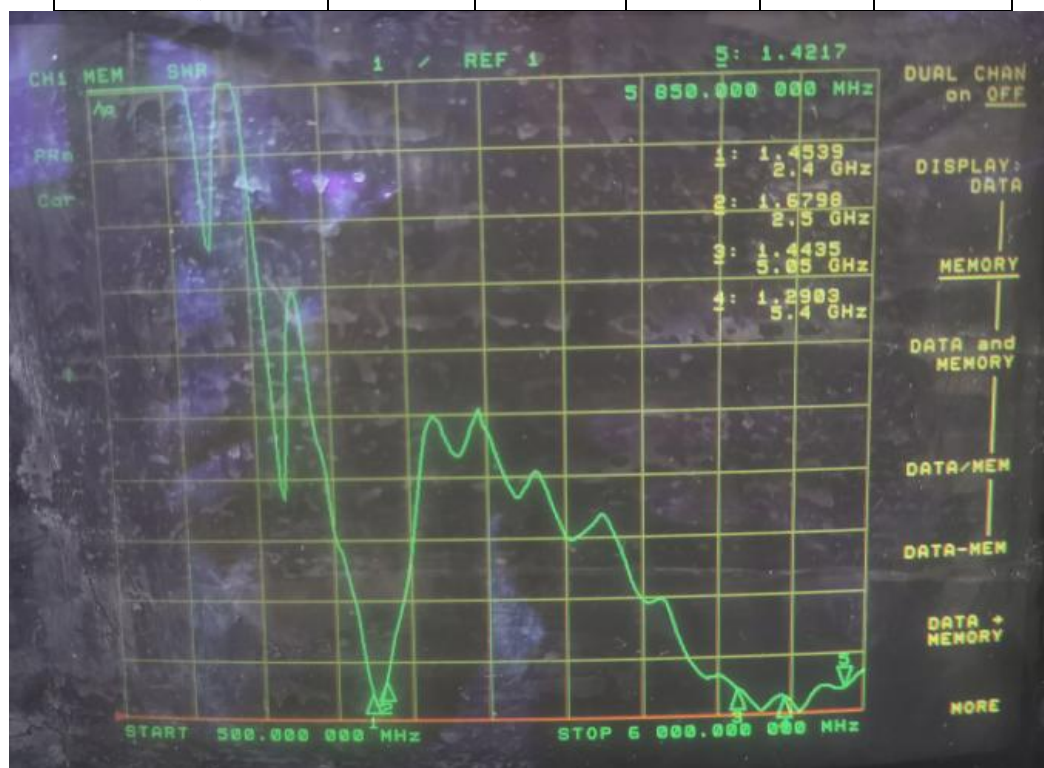
- 1. A 50 Ω coaxial cable is connected to the antenna. Then this cable is connected to a network analyzer to measure the VSWR,*
- 2. Keeping this jig away from metal at least 20cm.*

测试示意图如下 The test diagram is as follows:



2-2 S11 parameter values-WIFI/BT

频率 (MHZ)	2400	2500	5050	5400	5850
驻波	1.45	1.67	1.44	1.29	1.42

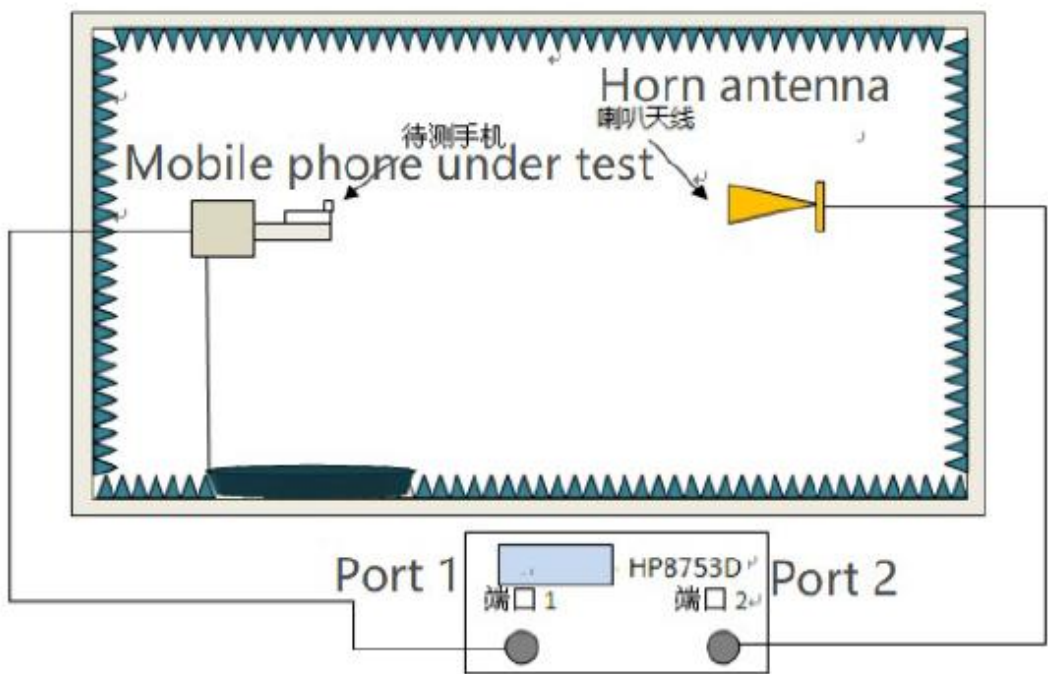


3. Efficiency and Gain

*measuring and test instruments:

微波暗室 Microwave anechoic chamber
Agilent 网络分析仪 Microwave anechoic chamber
Agilent 频谱分析仪 Spectrum analyzer
8960 综合测试仪 Network analyzer
标准天线 Standard antenna

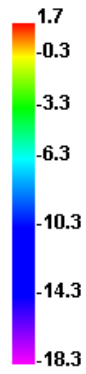
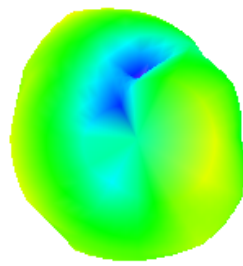
***test method:**
equipment 以 H 面放于转台中心位置固定，与喇叭天线中心位置在同一个水平线上。



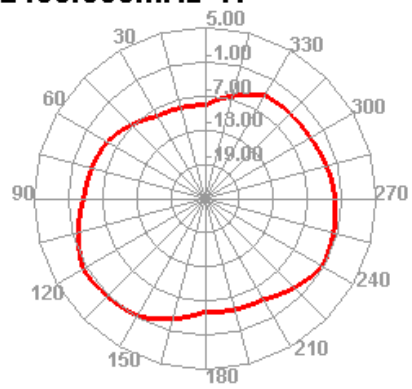
3-1 Efficiency/Gain- WIFI/BT

BAND	WIFI/BT					
Freq.[MHZ]	2400	2450	2500	5050	5450	5850
Eff.[%]	48.78	48.95	50.56	45.16	45.47	46.28
Gain [dBi]	1.7	1.7	1.9	0.5	0.5	0.6

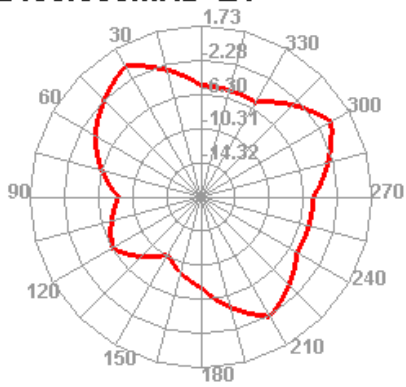
2400.000MHz



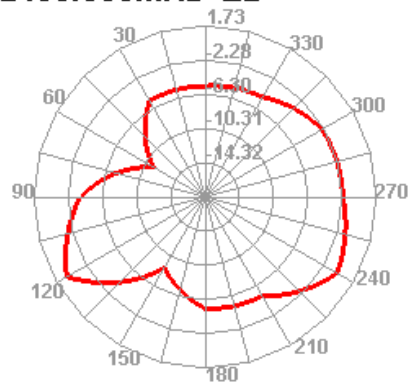
2400.000MHz H



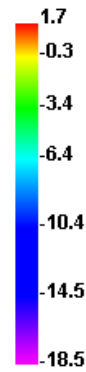
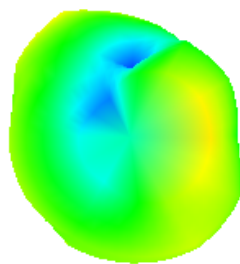
2400.000MHz E1



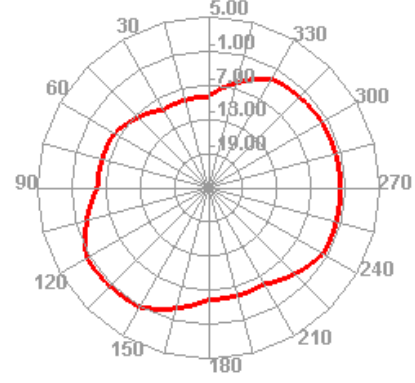
2400.000MHz E2



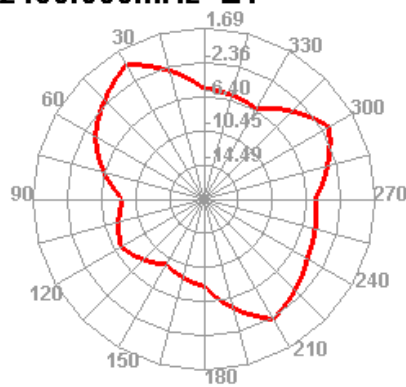
2450.000MHz



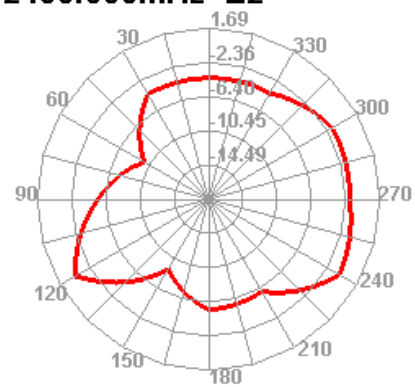
2450.000MHz H



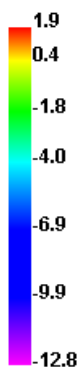
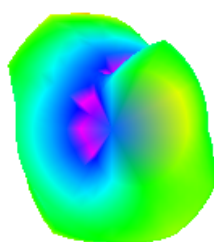
2450.000MHz E1



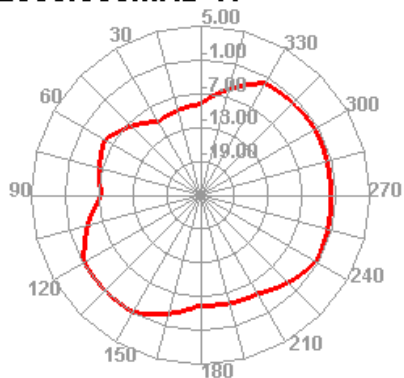
2450.000MHz E2



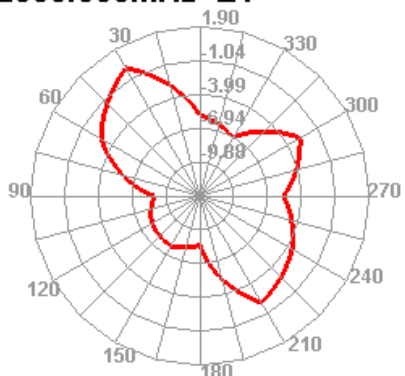
2500.000MHz



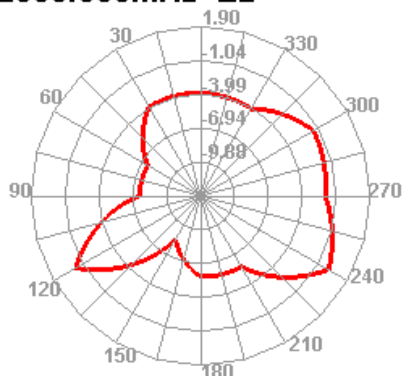
2500.000MHz H



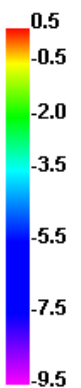
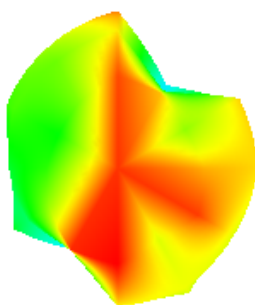
2500.000MHz E1



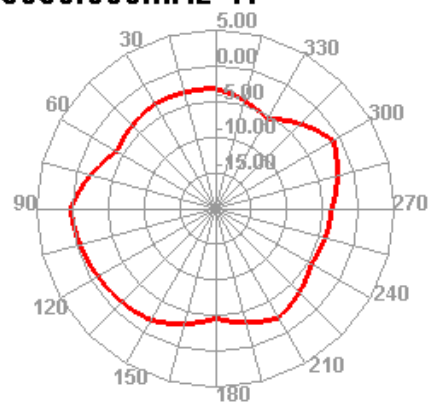
2500.000MHz E2



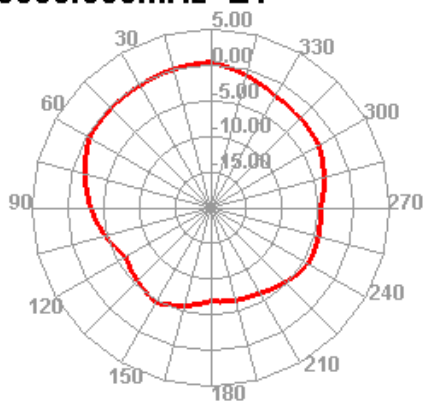
5050.000MHz



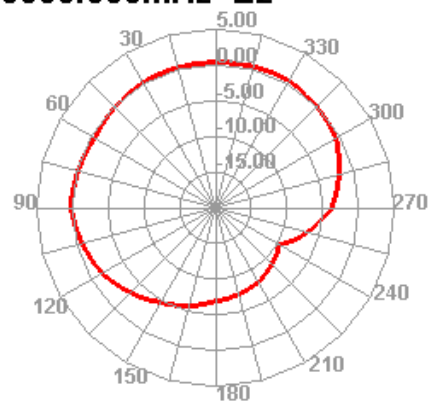
5050.000MHz H



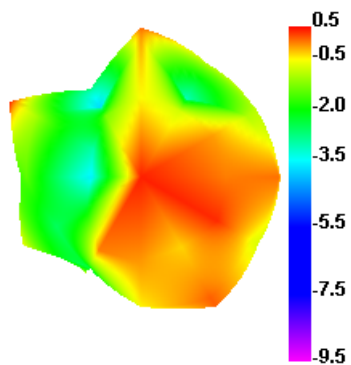
5050.000MHz E1



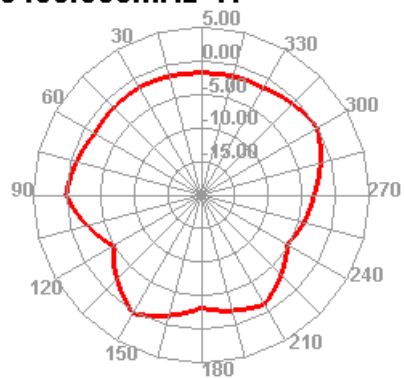
5050.000MHz E2



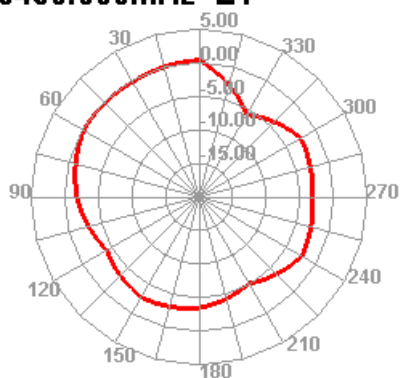
5450.000MHz



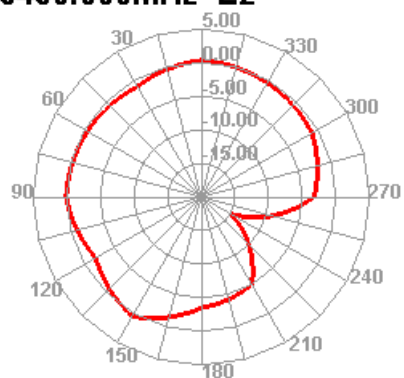
5450.000MHz H



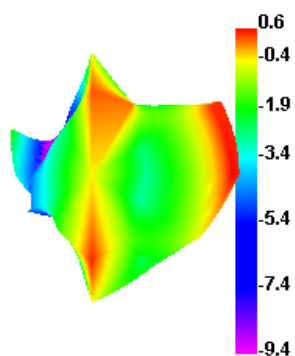
5450.000MHz E1



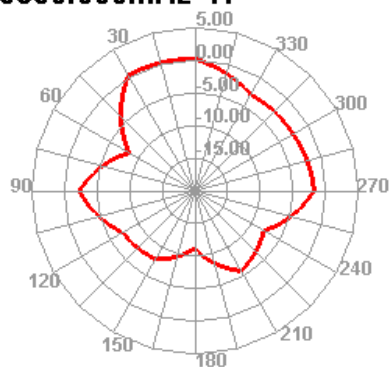
5450.000MHz E2



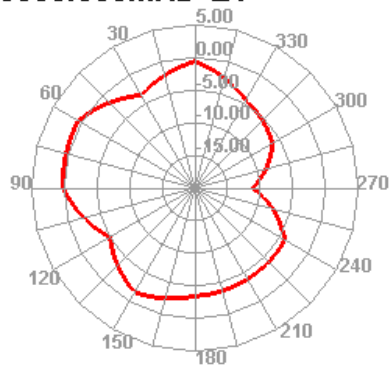
5850.000MHz



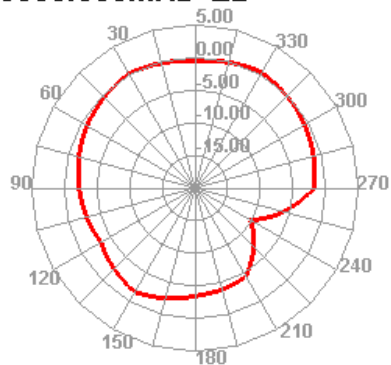
5850.000MHz H



5850.000MHz E1



5850.000MHz E2



4. The production index

6.天线量产时，以驻波比作为量产测试标准 In the mass production of antenna, the standing-wave ratio is used as the test standard.

7.

8.根据项目本身的差异,给出如下标准 According to the differences of the project itself, the

9.following standards are given:

10.

频率 Frequency (MHZ)	量产标准 Mass production standard
1575.42/2400-2500/5150-5850	VSWR (量产产品 Mass production products) <) <VSWR(设计样品 Design sample)+)+0.5

5. structural drawings

1		2		3		4	
				??		修改内容	
						修改者	
						修改日期	

单位: mm

NOTE:
FPC材质: 一对半基材, 表面哑黑, 用3M 300 SE 背胶, 电解铜;
焊线时注意表面外观。

单头4代端子 线径0.81 黑色

编号	零件名称	规格	零件编号	数量
1	天馈FPC	FPC 哑黑 29.25*25.97*0.1	WBP802-1B-A	1PCS
2	4代端子同轴线	同轴线 0.81*76 (黑色线)	WBP802-1B76B-A	1PCS
1		2		3

一般公差

X	±0.5
Y	±0.25
XX	±0.10
XXX	±0.05
ANGULAR	≤ ± 0.5°

名称: WIFI/GPS/BT?? 2025-1-10

料号: WBP802-1B76B-A

材质: FPC

表面处理: 清洁

颜色:

深圳维诺山通信技术有限公司

比例: 1:1

版本: A0

设计:

RF:

???

