



深圳信诺山通信技术有限公司

Shenzhen Signalsen Telecom Technology Co, .Ltd

蓝牙(BT)天线规格书

物料编号: W324-1B55B-A (焊点点胶)

客户：			项目名：		
频段： 蓝牙（BT）		日期： 2019.05.20		版本： R:A	
研发	结构：	审核：		批准：	
	射频：	审核：			
客户审核：			客户批准：		

Address:

Room 211, Hengbo science and technology Industrial Park, Qingning road,
Longhua District, Shenzhen

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1. Project information and Electrical Specification

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

1-1Project picture

1-2 Frequency Band:

Frequency Band	MHz
WIFI	2400-2500

1-3 Impedance matching

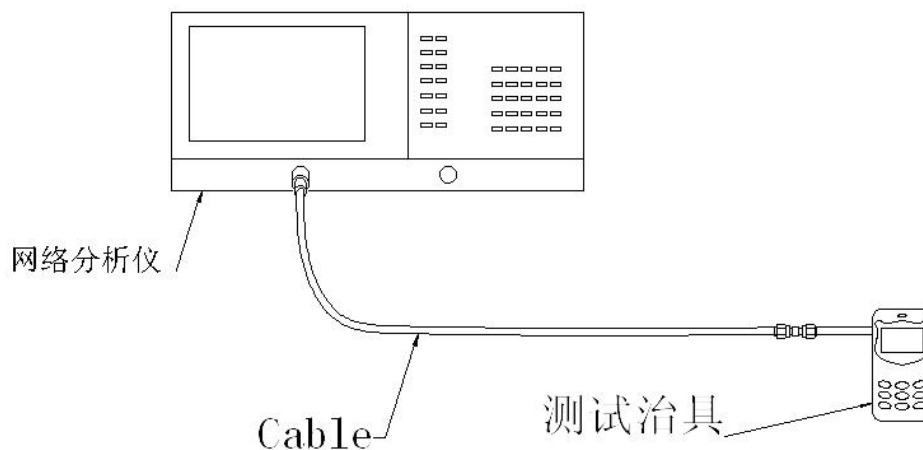
天线原匹配

2.VSWR

2-1 Measuring Method:

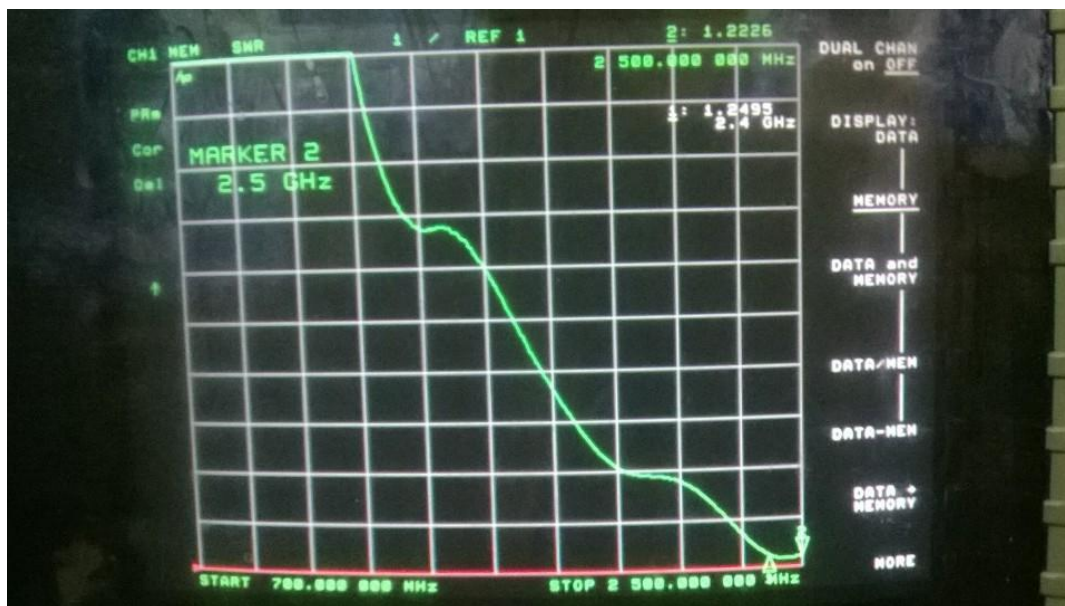
- 1. A 50 Ω coaxial cable is connected to the antenna. Then this cable is connected to a network analyzer to measure the VSWR,*
- 2. Keeping this jig away from metal at least 20cm.*

测试示意图如下:



2-2 S11 parameter values

频率 (MHZ)	2400	2500
驻波	1.24	1.22



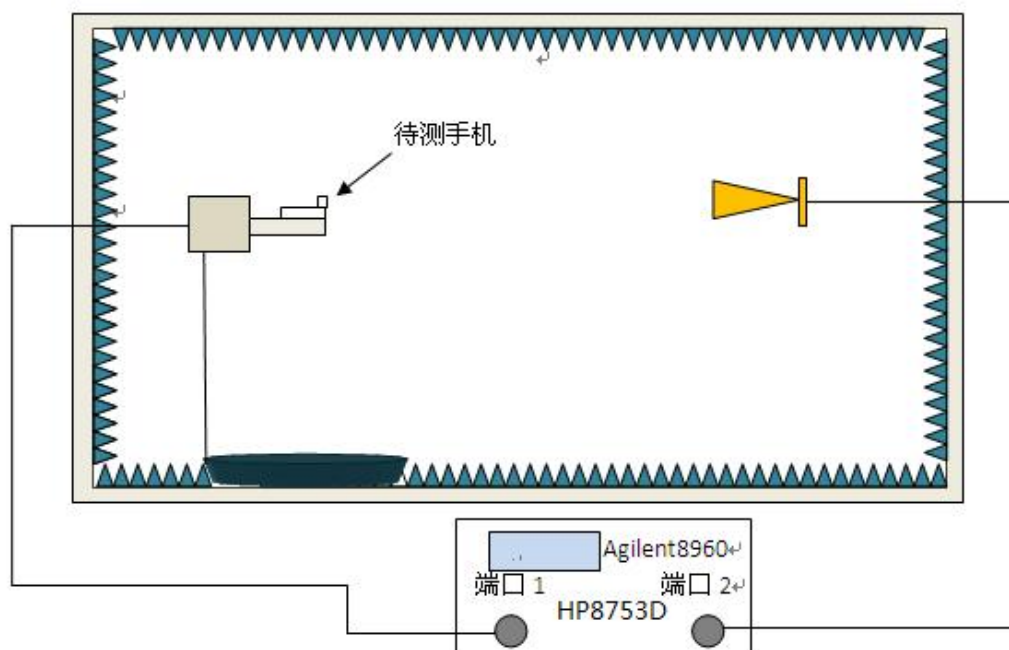
3. Efficiency and Gain

*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

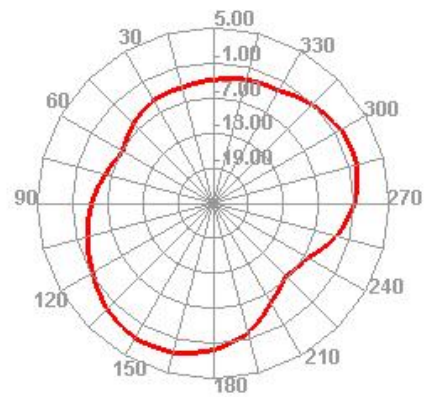
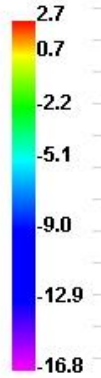
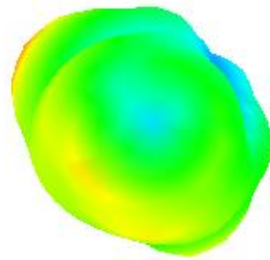
*test method:

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。

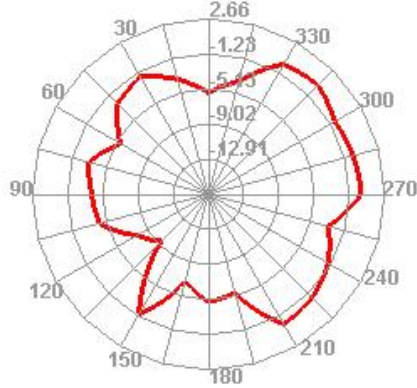


BAND	WIFI		
Freq.[MHZ]	2400	2450	2500
Eff.[%]	58.84	58.55	60.32
Peak Gain [dBi]	2.7	2.7	2.9

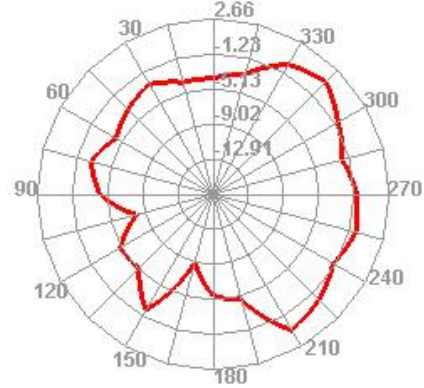
2400.000MHz



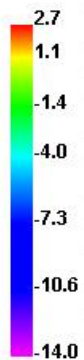
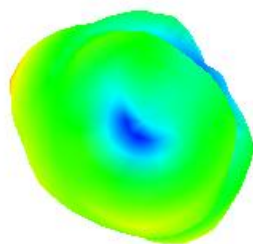
2400.000MHz E1



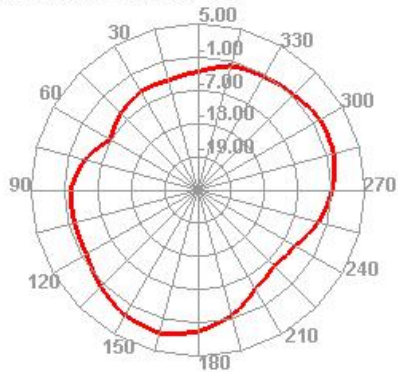
2400.000MHz E2



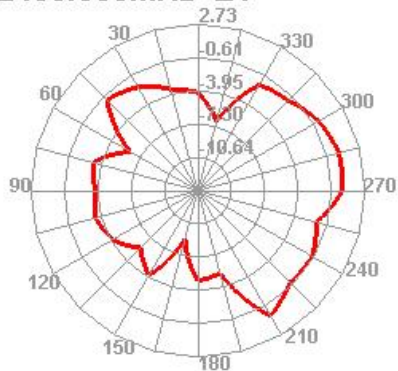
2450.000MHz



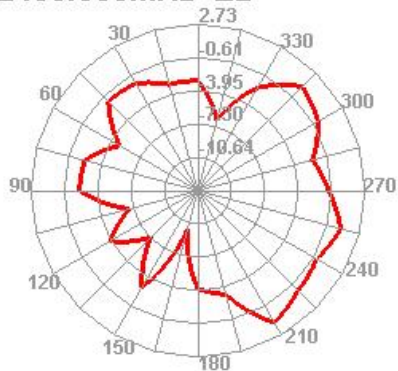
2450.000MHz H



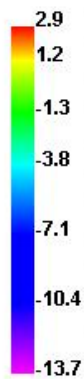
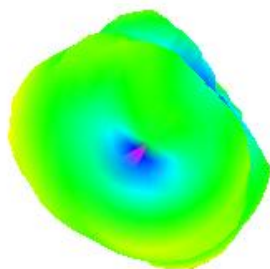
2450.000MHz E1



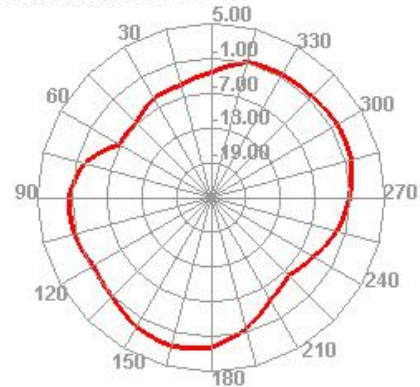
2450.000MHz E2



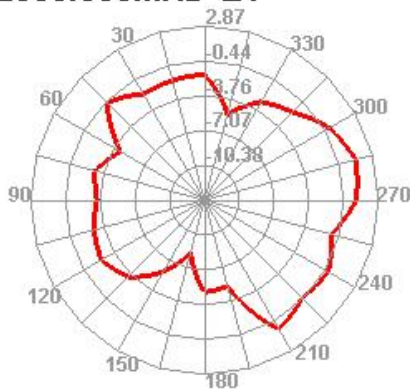
2500.000MHz



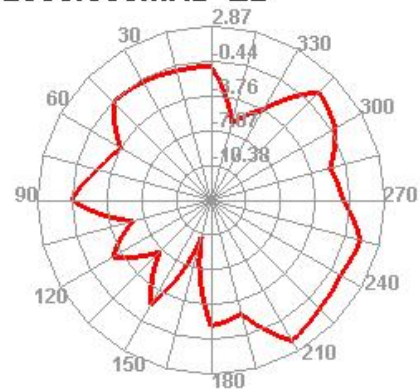
2500.000MHz H



2500.000MHz E1



2500.000MHz E2



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	量产标准
WIFI (2400-2500Mhz)	$VSWR(\text{量产产品}) < VSWR(\text{设计样品}) + 0.5$

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