



倍视达

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:

W791-1B-A

CUSTOMER P/N:

机 种:

DM141

CUSTOMER MODEL:

深圳市龙华区龙华街道清湖社区清宁路恒博创新科技产业园二层211

211, Hengbo Innovation Technology Industrial Park, Qingji Road, Longhua
Street, Longhua New District, Shenzhen

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	4
3. EFFICIENCY AND GAIN	4
3-1 EFFICIENCY/PEAKGAIN- /WIFI/BT	5
4. THE PRODUCTION INDEX.....	8
5. STRUCTURAL DRAWINGS	9

1. Project information and Electrical Specification

Those specifications were specially defined for DM141-8183 model, and all characteristics were measured under the model's handset testing jig.

1-1 Project picture



1-2 Frequency Band:

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

1-3 Impedance matching

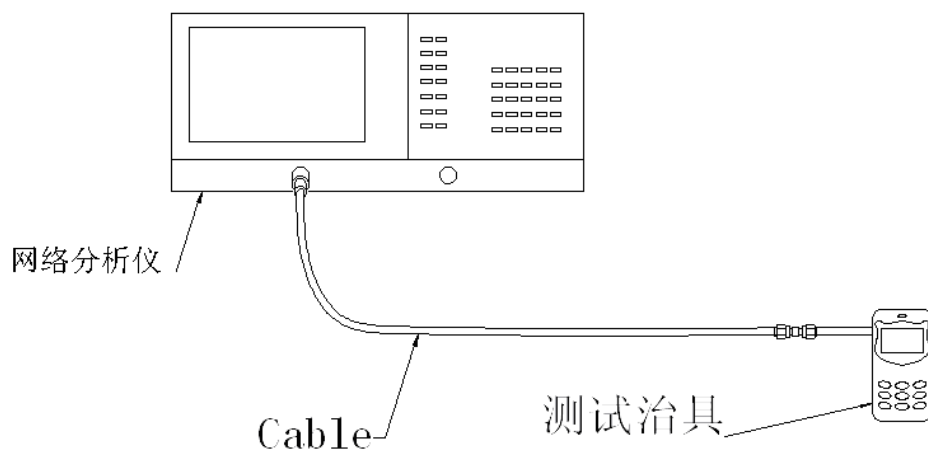
天线原匹配无更改

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	1.52	1.63	2.04	1.17	1.50



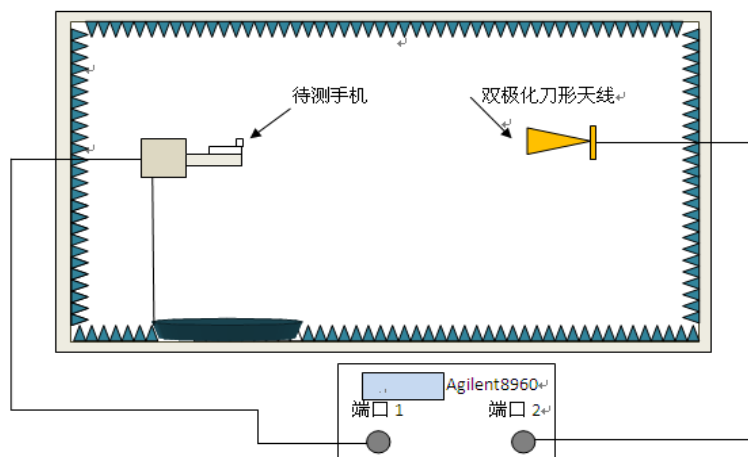
3. Efficiency and Gain

*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。

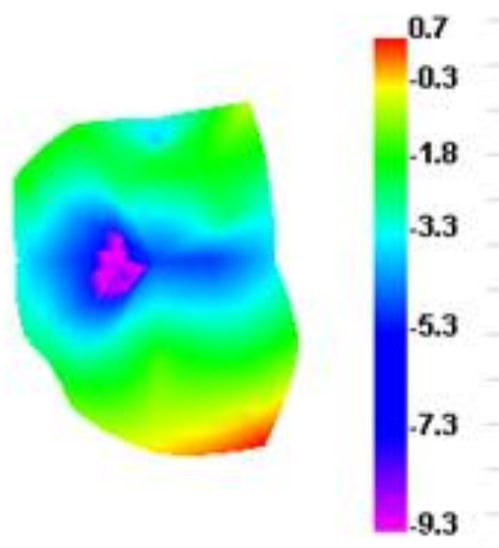


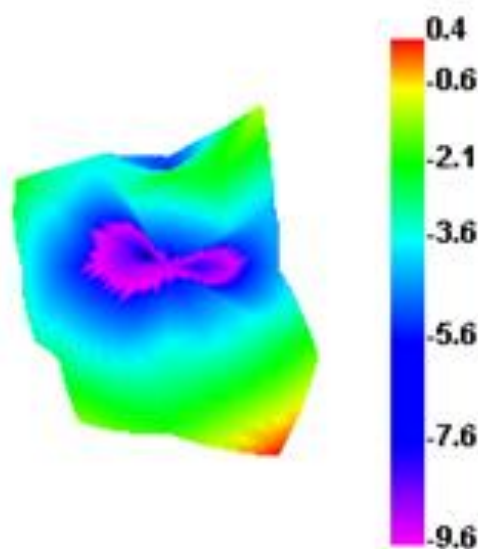
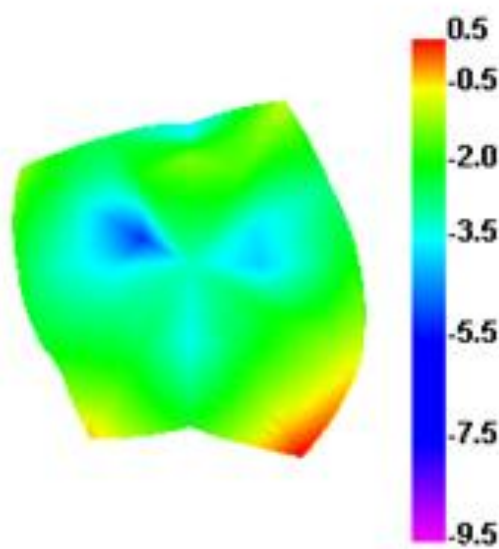
3-1 Efficiency/Gain- WIFI/BT

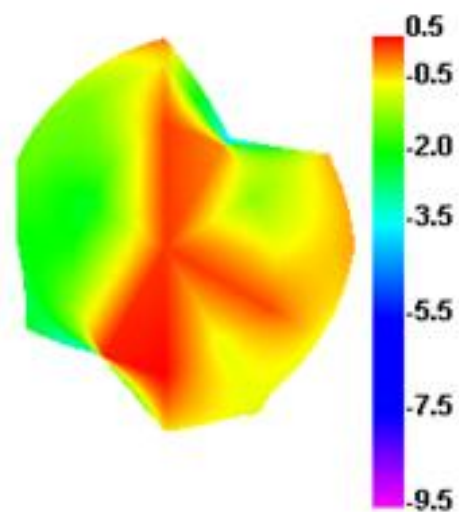
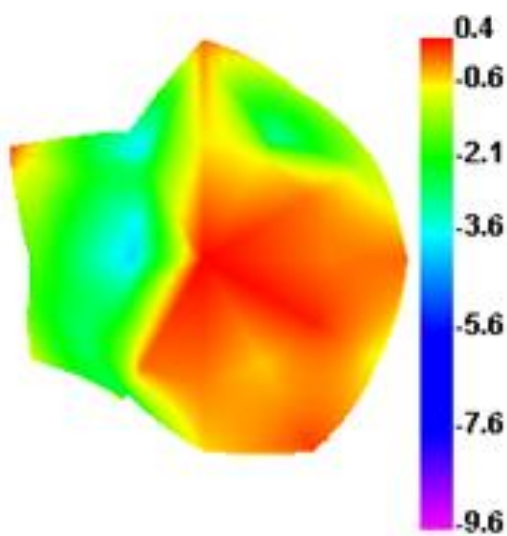
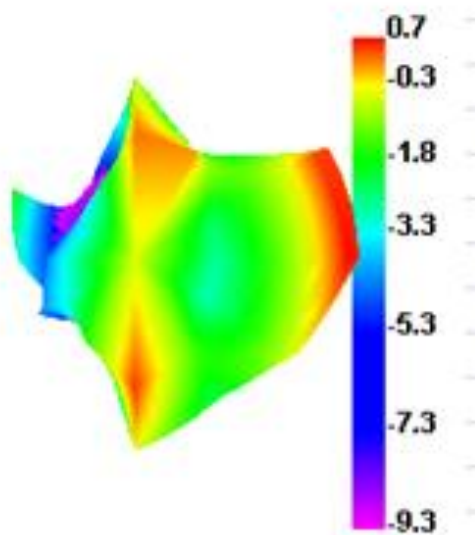
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	43.25	-3.64	0.69
2450	41.22	-3.85	0.4
2500	42.18	-3.75	0.55

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

2400.000MHz



2450.000MHz**2500.000MHz**

5050.000MHz**5450.000MHz****5850.000MHz**

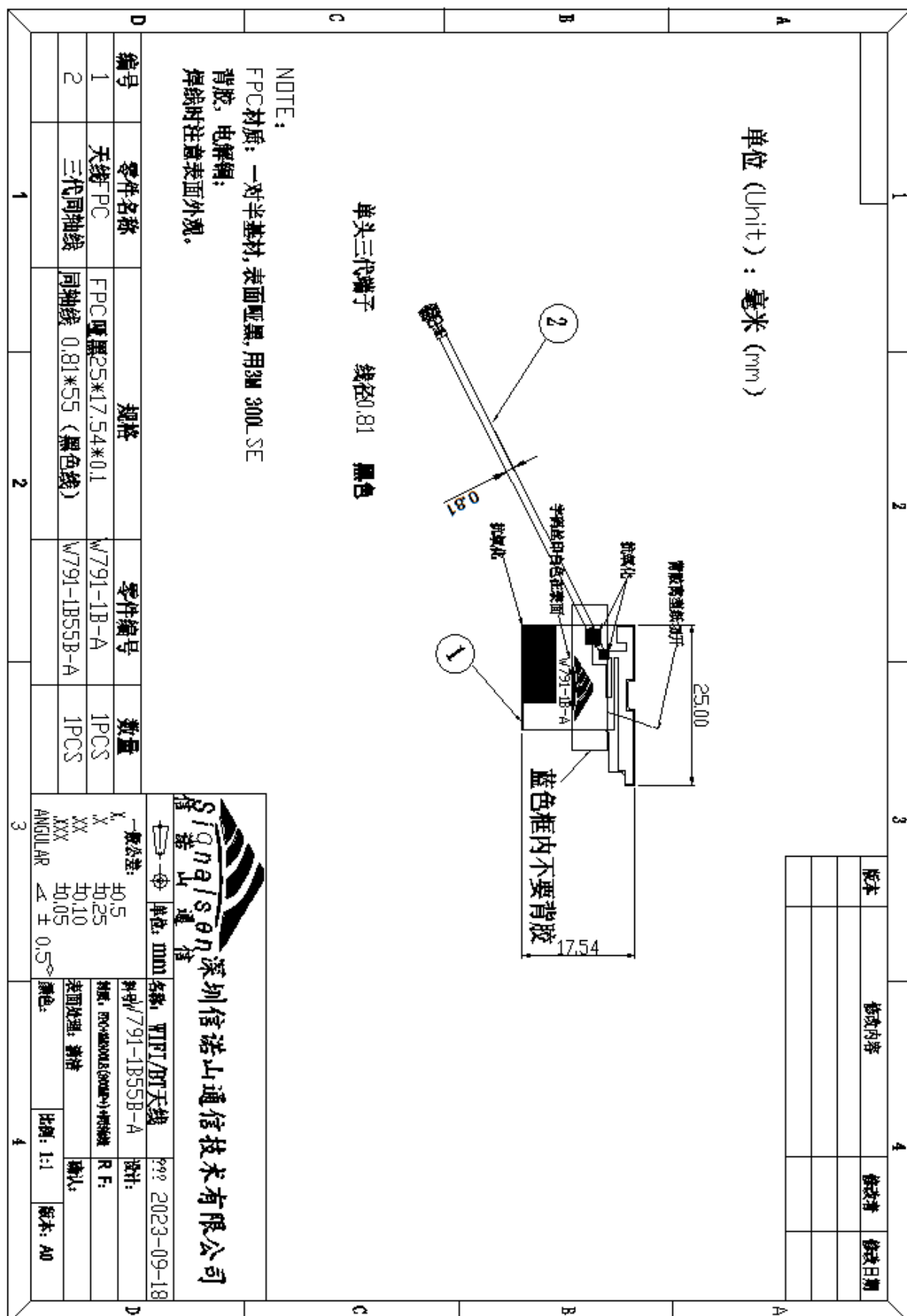
4. The production index

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

5.structural drawings



处理措施:

