



Manufacturer:DONGGUAN CITY AMERISUN SCIENCE AND TECHNOLOGY CO., LTD

Address:No.55 Baijing Road Zhang mutou town Donguan City Guangdong  
Province China

Model:AM003

## PART 2

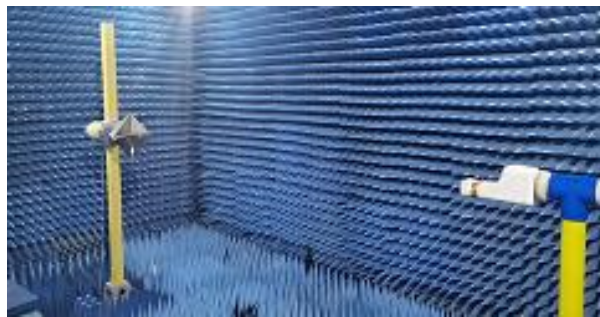
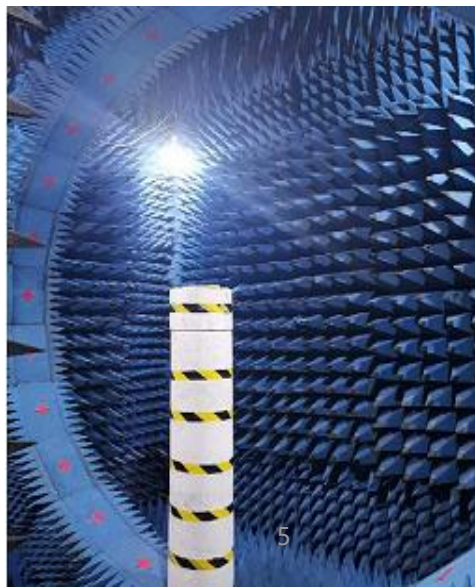
## 项目信息/Project brief

| NO | ITEMS                                                 | DETAILS      |
|----|-------------------------------------------------------|--------------|
| 1  | <b>工作频段</b><br>Operating band                         | 915Mhz       |
| 2  | <b>频率范围</b><br>Frequency band                         | MAIN: 915Mhz |
| 3  | <b>天线类型</b><br>Antenna type                           |              |
| 4  | <b>天线材质及实现形状</b><br>Material and implementation shape | Spr ing      |

# PART 3

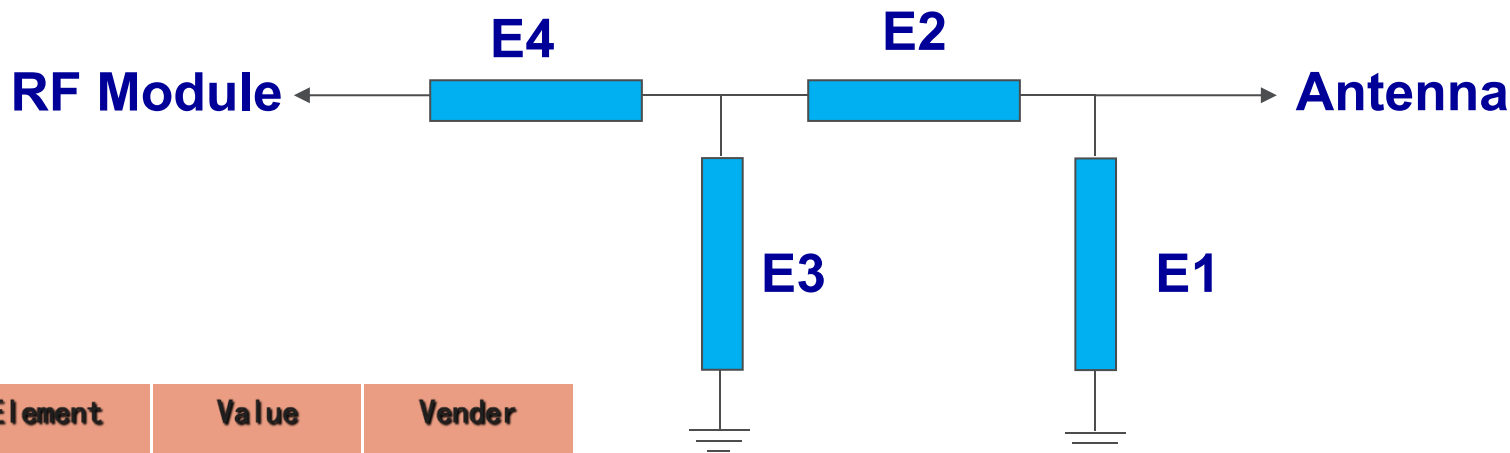
# Test system and equipment

|                                       | 测试项目/Test items                                              | 设备/equipment                                                                  |
|---------------------------------------|--------------------------------------------------------------|-------------------------------------------------------------------------------|
| 1: S参数<br>S parameter                 | 1. 回波损耗 Return loss<br>2. 驻波比 VSWR                           | 网络分析仪/Network analyzer: A338/A333                                             |
| 2: 耦合功率测试<br>Active test              | 1. 发射功率 Transmitting power<br>2. 接收灵敏度 Receiving sensitivity | 综合测试仪/Comprehensive test instrument:<br>Agilent 8960/ CMW500                  |
| 3: 辐射模式与增益<br>Radiation mode and gain | 1. 辐射模式 Radiation mode<br>2. 天线增益 Gain                       | 1. 暗室/Shielding room: 7x4x3 m (ETS-3D)<br>2. 网络分析仪/Network analyzer: HP 8753D |



# PART 4

## 匹配电路/Matching Circuits



| Element   | Value | Vender |
|-----------|-------|--------|
| E1 (0402) | NA    |        |
| E2 (0402) | 0 Ohm |        |
| E3 (0402) | NA    |        |
| E4 (0402) | 0 Ohm |        |

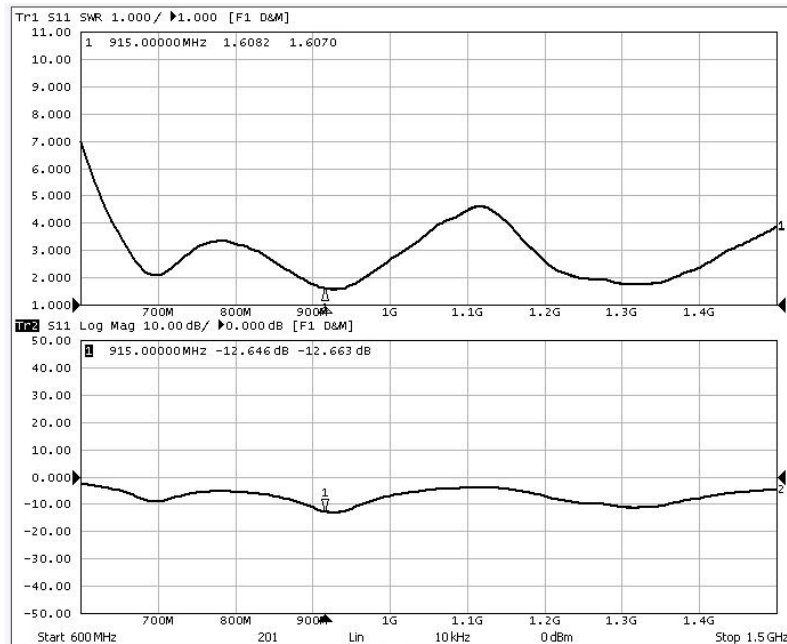
**Original match unchanged.**

# PART 5

# 测试数据/RF Report

## TX Test Data

| Passive Test For 915 |          |            |
|----------------------|----------|------------|
| Freq (MHz)           | Effi (%) | Gain (dBi) |
| 910                  | 14.63    | -3.86      |
| 915                  | 15.38    | -3.53      |
| 920                  | 14.87    | -3.77      |

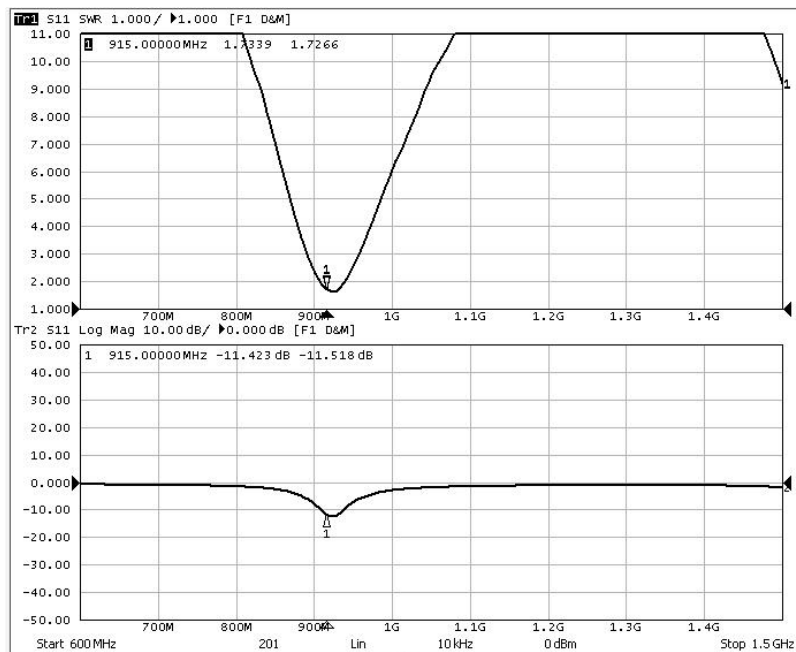


# PART 5

# 测试数据/RF Report

## RX Test Data

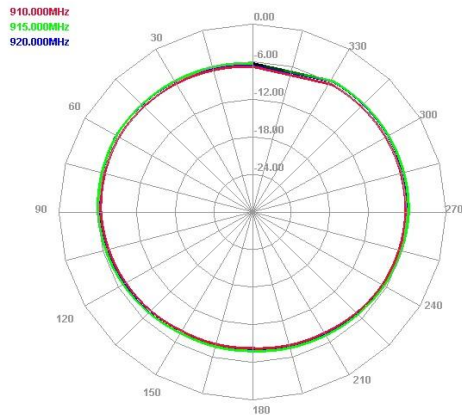
| Passive Test For 915 |          |            |
|----------------------|----------|------------|
| Freq (MHz)           | Effi (%) | Gain (dBi) |
| 910                  | 12.74    | -4.52      |
| 915                  | 13.61    | -3.89      |
| 920                  | 13.48    | -3.61      |



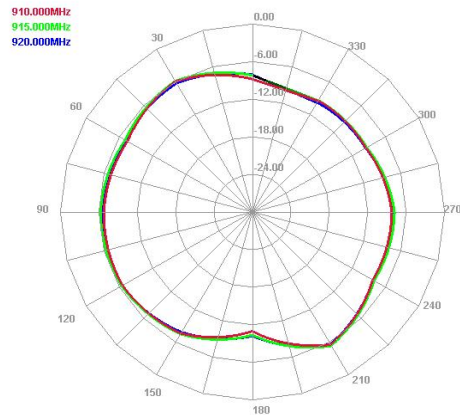
# PART 5

# 测试数据/RF Report

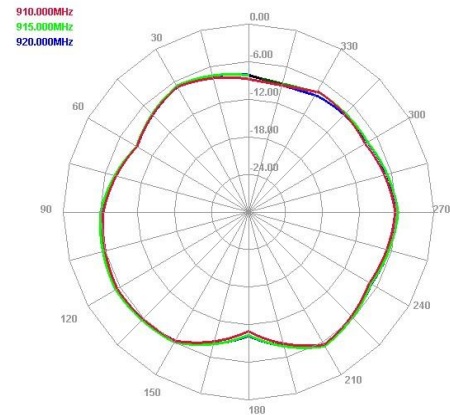
Horizontal



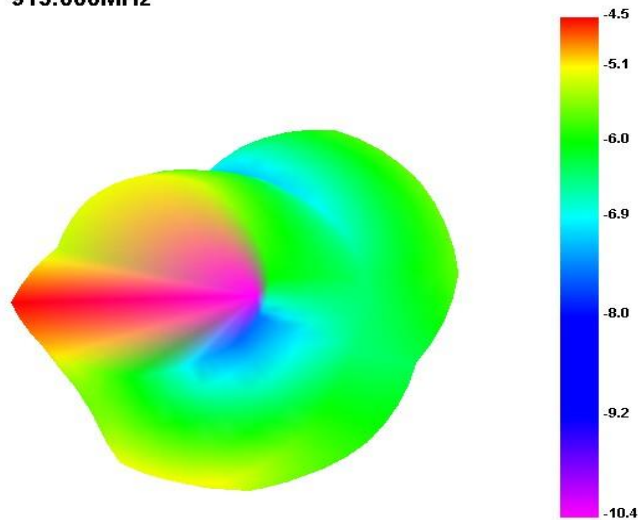
E1 Face



E2 Face



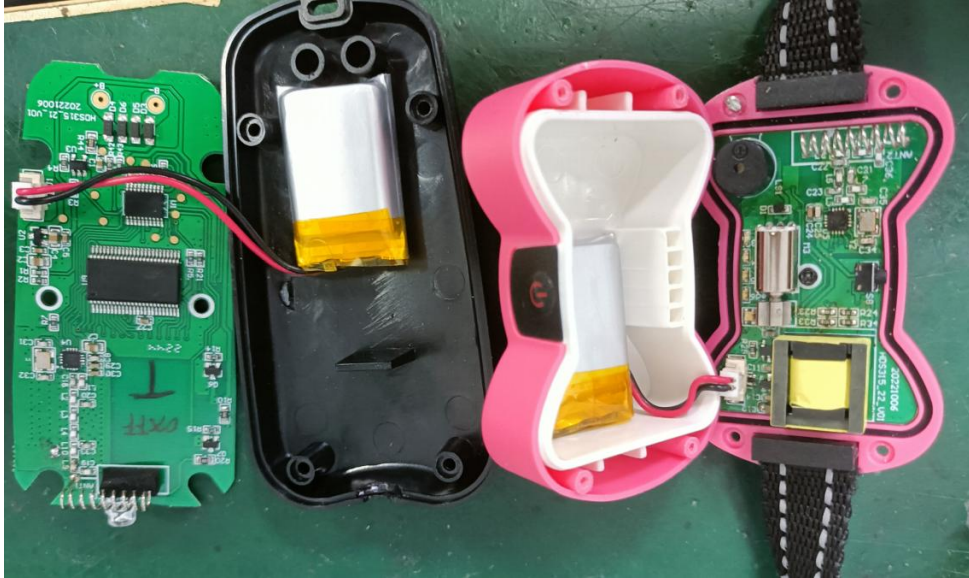
915.000MHz





## PART 6

## 组装方式/Assembly method



## PART 7

# 整机图片 Picture of complete machine

