

# 深圳市华讯视通科技有限公司

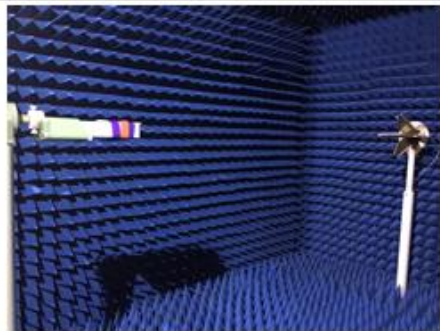
Shenzhen Huaxunshitong Technology Co.,Ltd.

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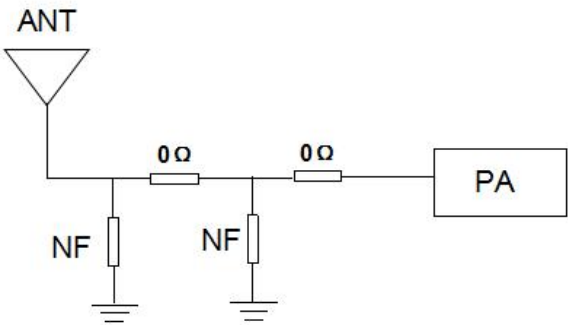
## Antenna Specification Document

1. Testing items and equipment

|                           | Testing items                            | Equipment                                                                                                           |
|---------------------------|------------------------------------------|---------------------------------------------------------------------------------------------------------------------|
| 1. S 参<br>数 (S-parameter) | 1. 回波损耗 (Return Loss)<br>2. 电压驻波比 (VSWR) | 网络分析仪: Agilent E5071B<br>HP 8753D                                                                                   |
| 2. 有源测试<br>(Active)       | 1. 发射功率 (TRP)<br>2. 接收灵敏度 (TIS)          | 1. 暗室: ETS 7x4x3 m (3D) Chamber<br>ETS 5x3x3 m (3D) Chamber<br>2. 综合测试仪: Agilent 8960 E5515B ×2<br>StarPoint SP6011 |
| 3. 无源测试<br>(Passive)      | 1. 天线增益 (Gain) 2. 天线效率 (Efficiency)      | 1. 暗室: ETS 7x4x3 m (3D) Chamber<br>ETS 5x3x3 m (3D) Chamber<br>2. 网络分析仪: Agilent E5071B<br>HP 8753D                 |



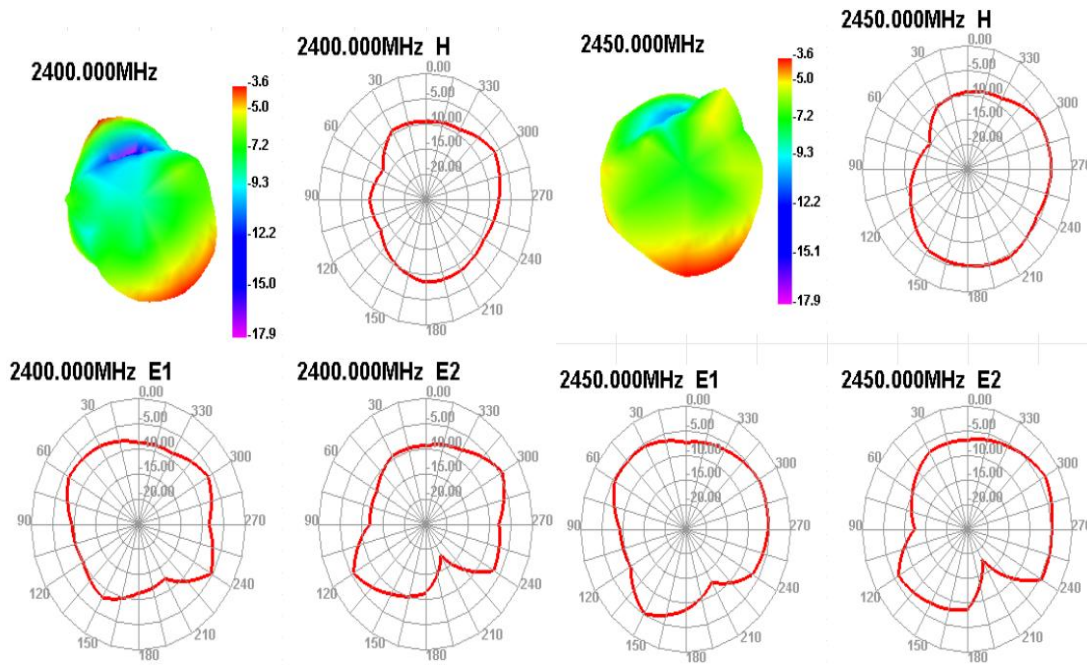
2. 匹配电路-BT 天线:



我司未对匹配电路做任何修

### 3 Efficiency and Gain

| Passive Test For WIFI2.4 |             |              |               |               |            |             |             |             |                |                |
|--------------------------|-------------|--------------|---------------|---------------|------------|-------------|-------------|-------------|----------------|----------------|
| Freq<br>(MHz)            | Effi<br>(%) | Effi<br>(dB) | Gain<br>(dBi) | Gain<br>(dBd) | UHS<br>(%) | DHIS<br>(%) | Max<br>(dB) | Min<br>(dB) | Attenut<br>Hor | Attenut<br>Ver |
| 2400                     | 16.58       | -7.8         | -3.59         | -5.74         | 8.505      | 8.079       | -3.59       | -17.89      | 55.76          | 57.21          |
| 2410                     | 18.06       | -7.43        | -4.08         | -6.23         | 10.078     | 7.981       | -4.08       | -19.83      | 55.83          | 58.53          |
| 2420                     | 18.11       | -7.42        | -3.53         | -5.68         | 9.534      | 8.578       | -3.53       | -15.99      | 56.07          | 58.09          |
| 2430                     | 20.43       | -6.9         | -4.03         | -6.18         | 11.073     | 9.357       | -4.03       | -16.34      | 56.25          | 58.05          |
| 2440                     | 20.51       | -6.88        | -3.68         | -5.83         | 11.024     | 9.489       | -3.68       | -22.22      | 56.61          | 58.56          |
| 2450                     | 21.7        | -6.64        | -3.61         | -5.76         | 11.534     | 10.168      | -3.61       | -17.94      | 56.87          | 58.64          |
| 2460                     | 20.77       | -6.82        | -3.84         | -5.99         | 11.417     | 9.357       | -3.84       | -16.42      | 56.54          | 57.97          |
| 2470                     | 20.35       | -6.92        | -3.15         | -5.3          | 11.26      | 9.087       | -3.15       | -15.42      | 56.17          | 58.01          |
| 2480                     | 19.98       | -6.99        | -3.86         | -6.01         | 11.332     | 8.645       | -3.86       | -20.29      | 56.4           | 57.83          |
| 2490                     | 20.57       | -6.87        | -3.29         | -5.44         | 11.469     | 9.1         | -3.29       | -15.71      | 56.48          | 57.83          |
| 2500                     | 20.8        | -6.82        | -3.37         | -5.52         | 11.886     | 8.919       | -3.37       | -14.87      | 56.61          | 58.07          |



## 5 Structural drawing

