



测试报告

Test report

Customer: 径卫视觉

Description: Passive antenna

Part number: BT_PM2400W1_CBT_J1.5M

测试时间 test time: 2022.09.05

测试地点 Test site: 佳利电子

测试人员 Tester: 陆飞



I 目的

本次主要测试 1.5 米线长无源天线的 Efficiency、GAIN、VSWR。

II 暗室参数测量

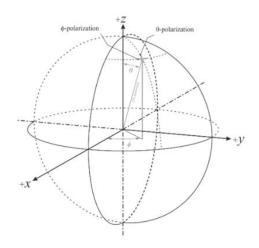
1. Test Instrumentation:

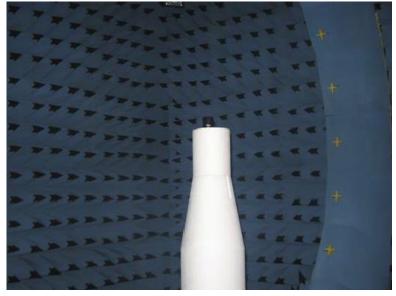
Network Analyzer: Agilent 5071C

Microwave anechoic chamber: SATIMO 24

Test frequency: $2000 \text{MHz} \sim 3000 \text{MHz}$

2. Testing Environment:

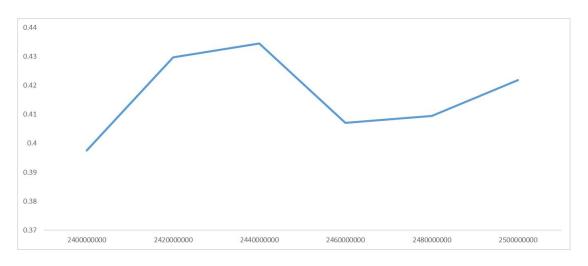




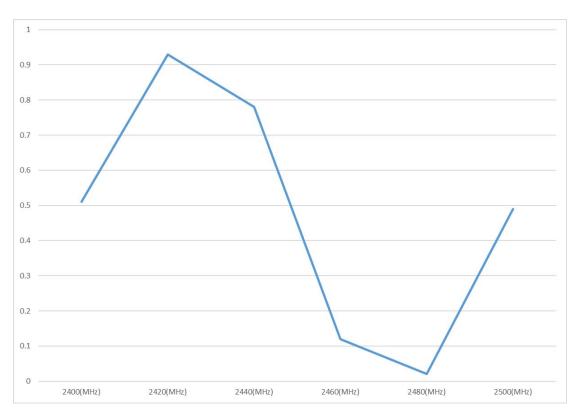


III 参数测量结果

Antenna Efficiency



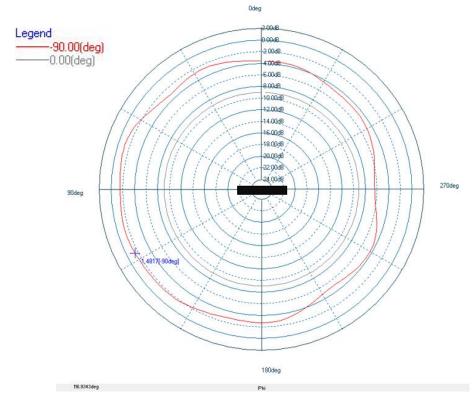
Antenna Peak Gain



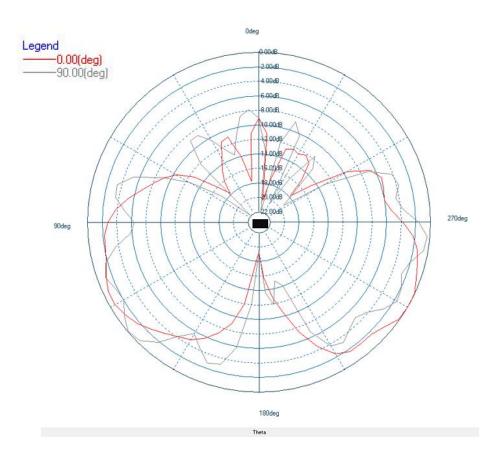
Note: the maximum antenna gain in 2400-2500 MHz range is 0.93 dBi.



2400MHz Thate-90 $^{\circ}$ /Thate 0 $^{\circ}$

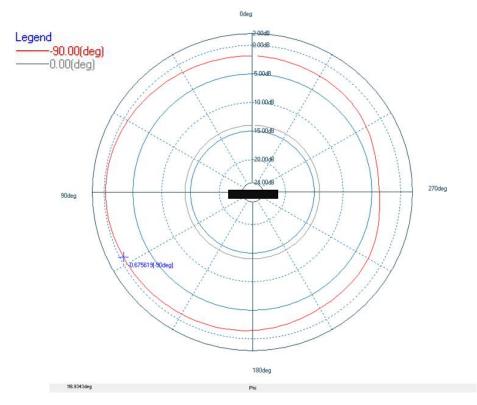


2400MHz Phi90° /Phi0°

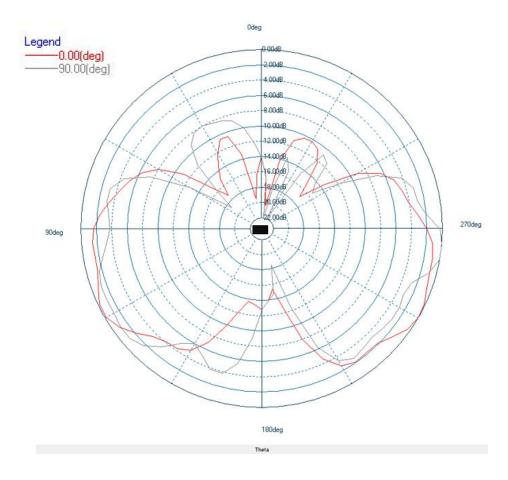




2440MHz Thate-90 $^{\circ}$ /Thate 0 $^{\circ}$

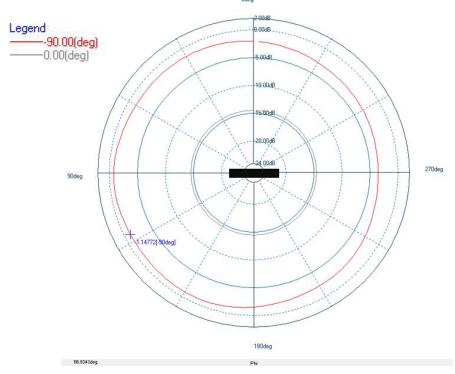


2440MHz Phi90° /Phi0°

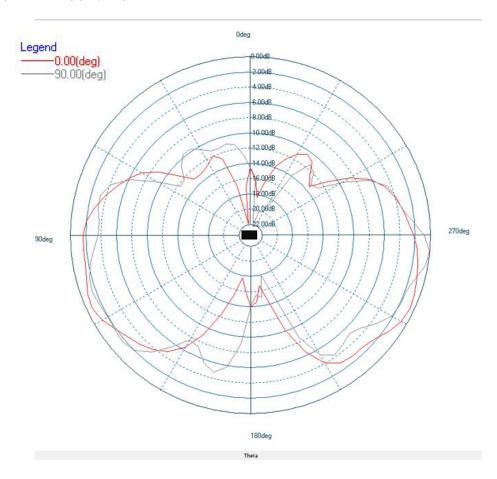




2480MHz Thate-90 $^{\circ}$ /Thate 0 $^{\circ}$



 $2480 MHz Phi90^{\circ} /Phi0^{\circ}$





IV S 参数测量

a. 仪器 instrument: 网络分析仪 Network analyzer

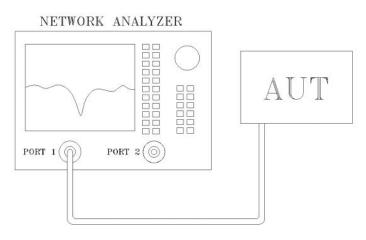
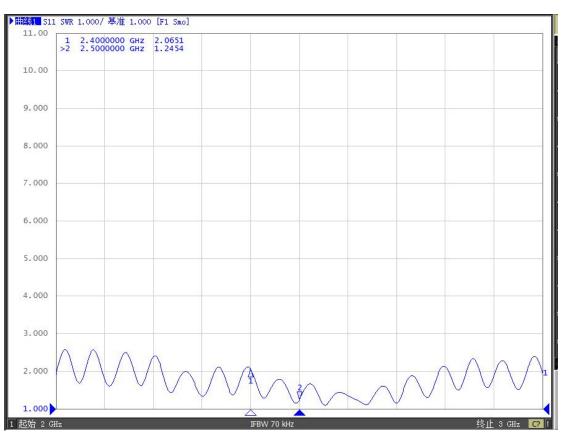


图 1 . 天线连接网络分析仪视图

b.S 参数图 S parameter map

Antenna VSWR





V 照片



VI 结论

BT_PM2400W1_CBT_J1. 5M 产品驻波比小于 2. 5,因此驻波比等性能满足规格书要求。