



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

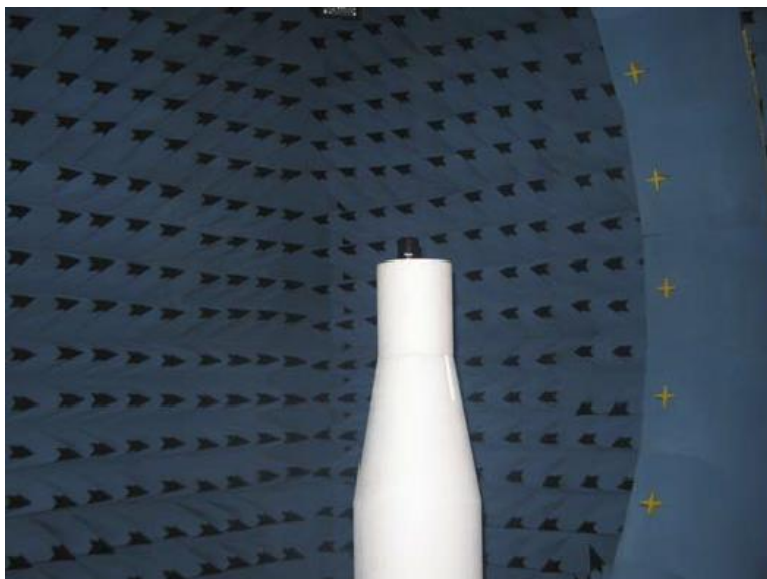
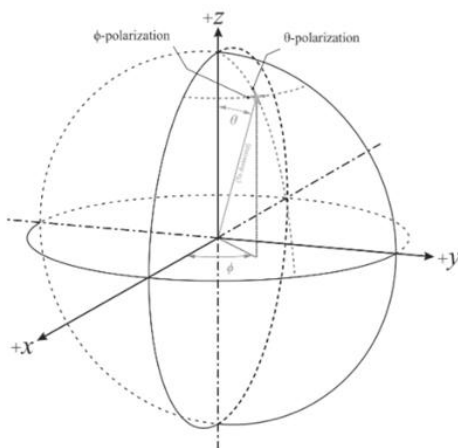
1. Test Instrumentation:

Network Analyzer : Agilent 5071C

Microwave anechoic chamber: SATIMO 24

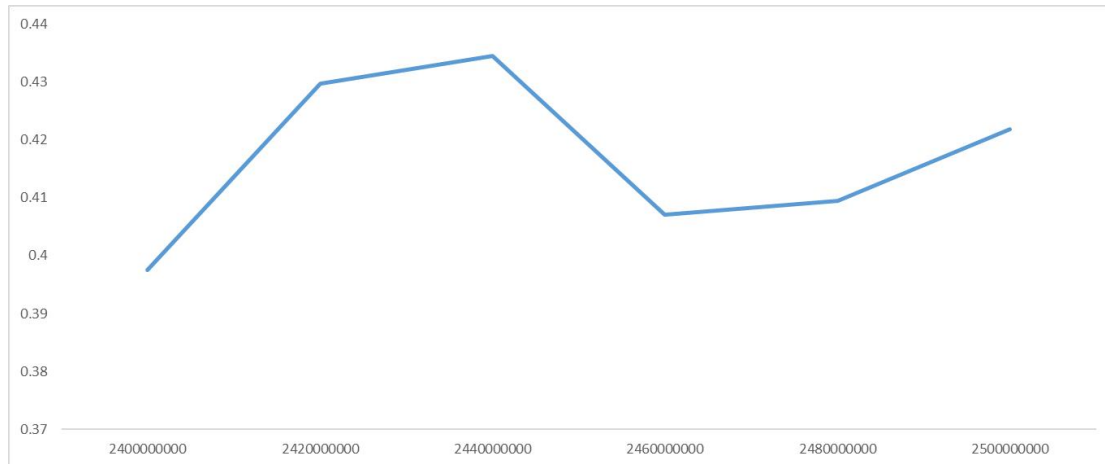
Test frequency : 2000MHz~3000MHz

2. Testing Environment:

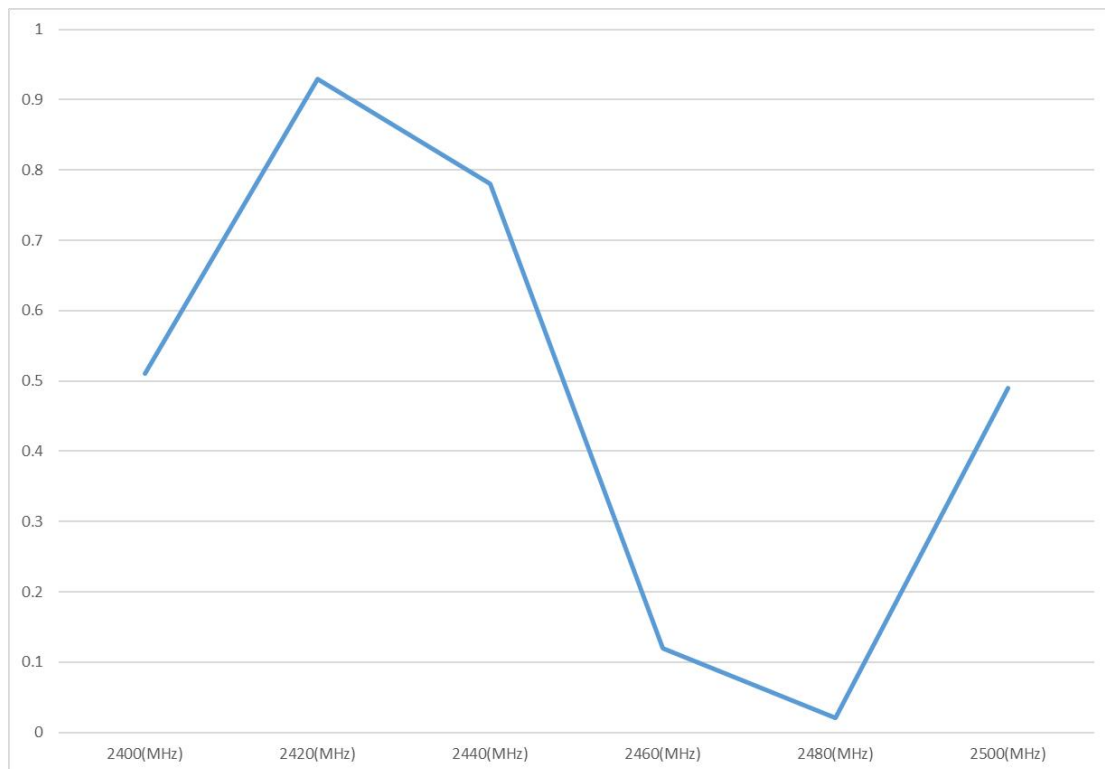


III 参数测量结果

Antenna Efficiency

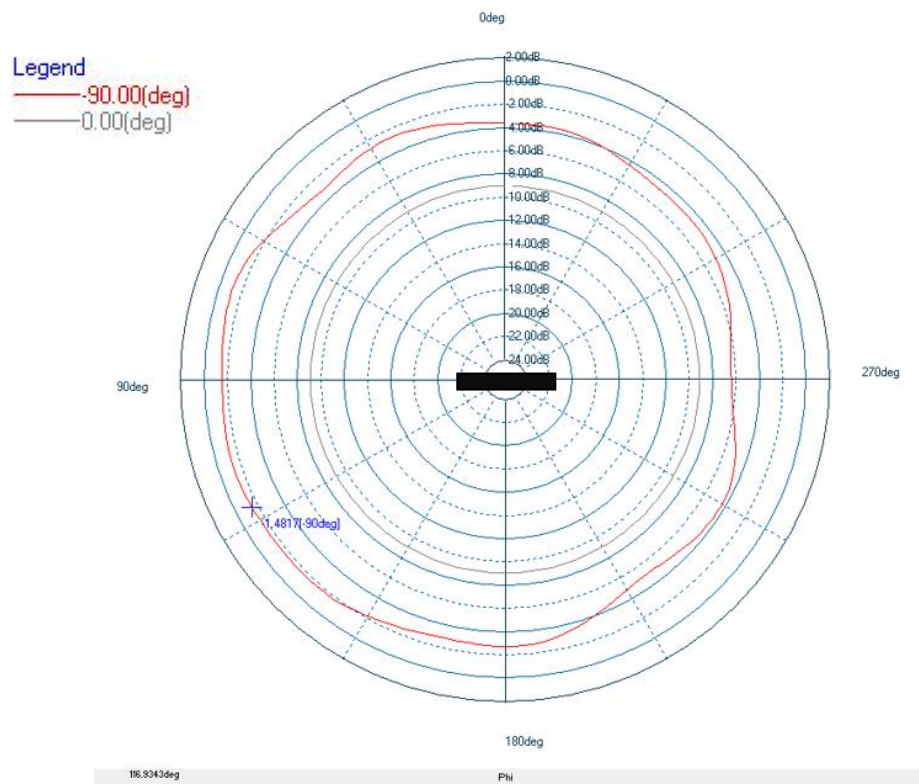


Antenna Peak Gain

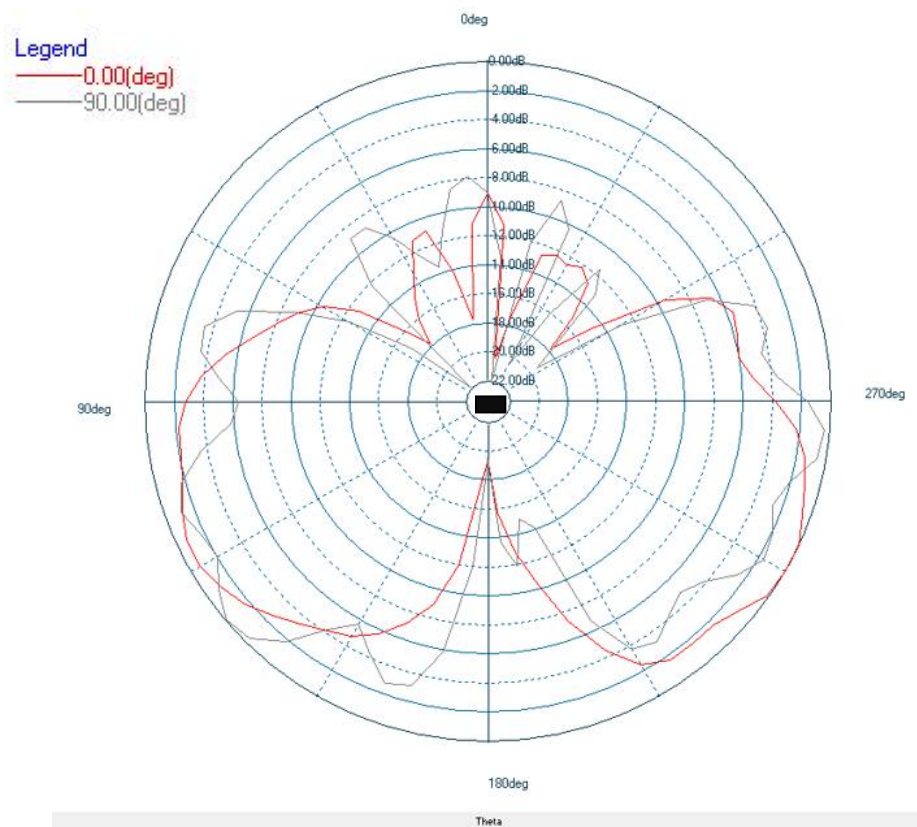


Note: the maximum antenna gain in 2400-2500 MHz range is 0.93 dBi.

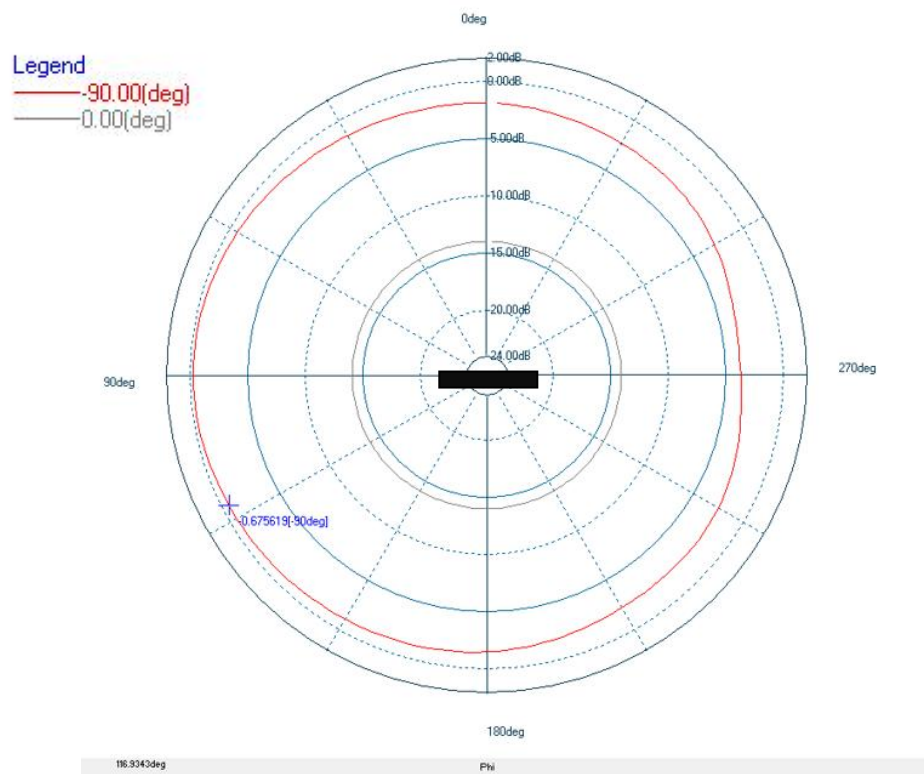
2400MHz Thate-90° /Thate 0°



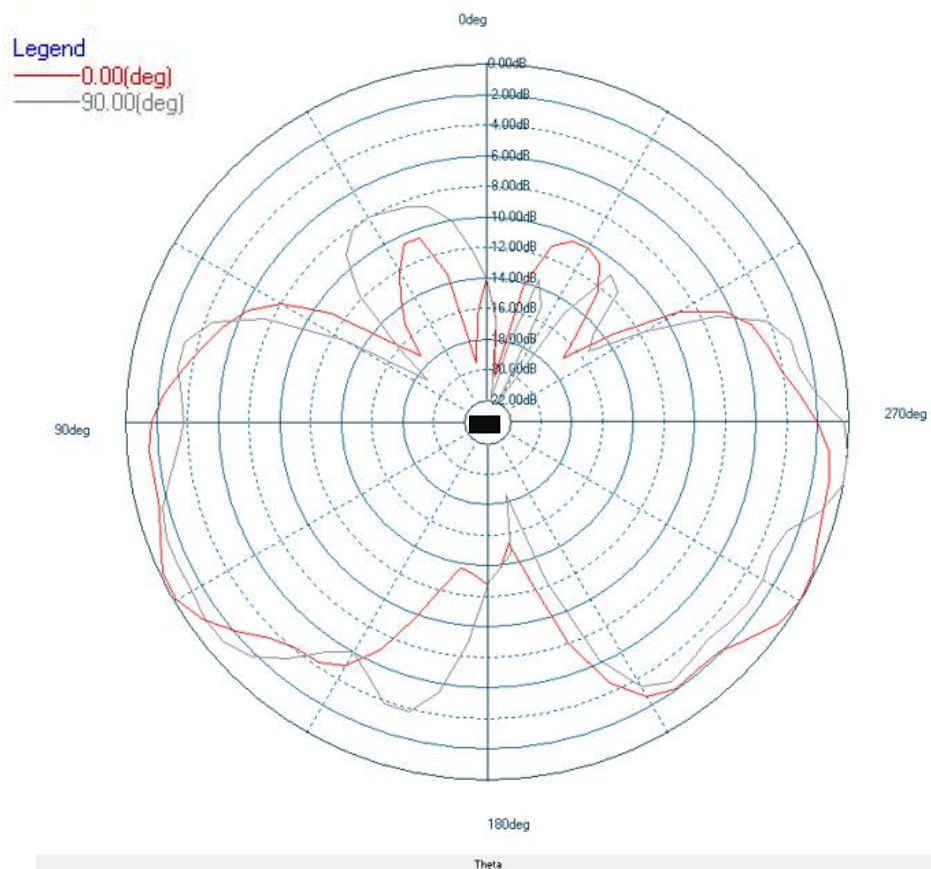
2400MHz Phi90° /Phi0°



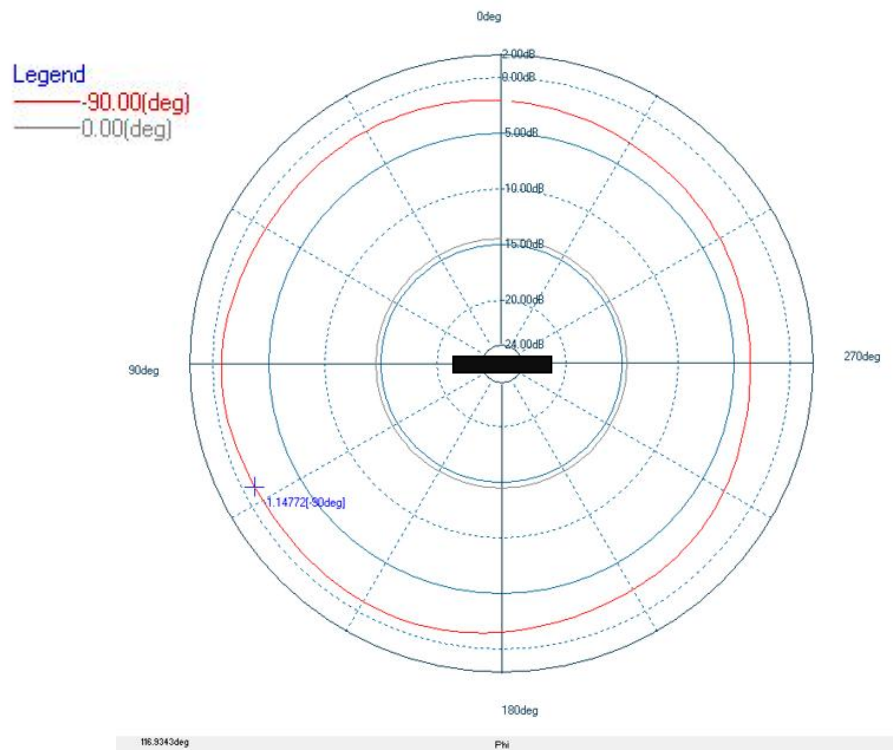
2440MHz Thate-90° /Thate 0°



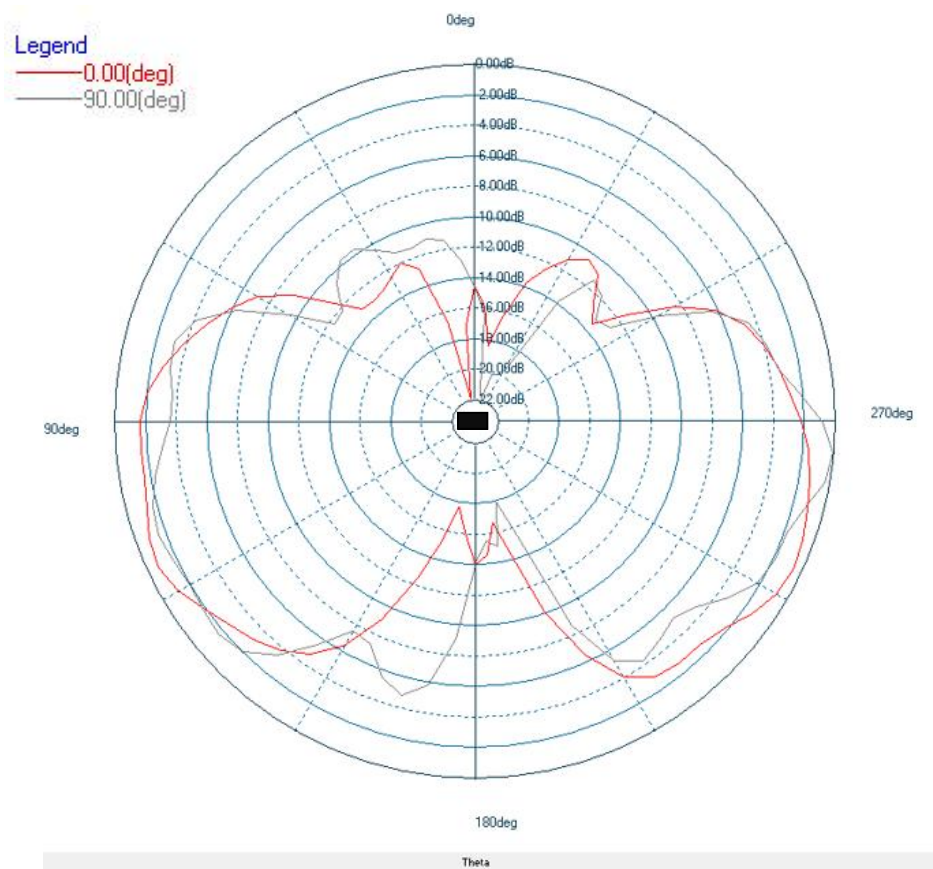
2440MHz Phi90° /Phi0°



2480MHz Thate-90° /Thate 0°



2480MHz Phi90° /Phi0°



IV S 参数测量

a . 仪器 instrument: 网络分析仪 Network analyzer

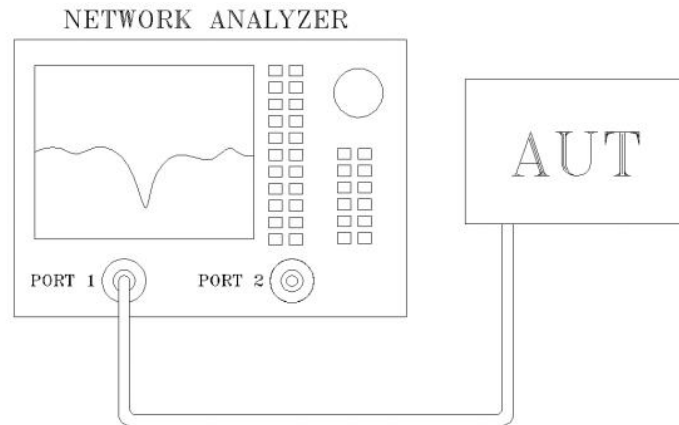
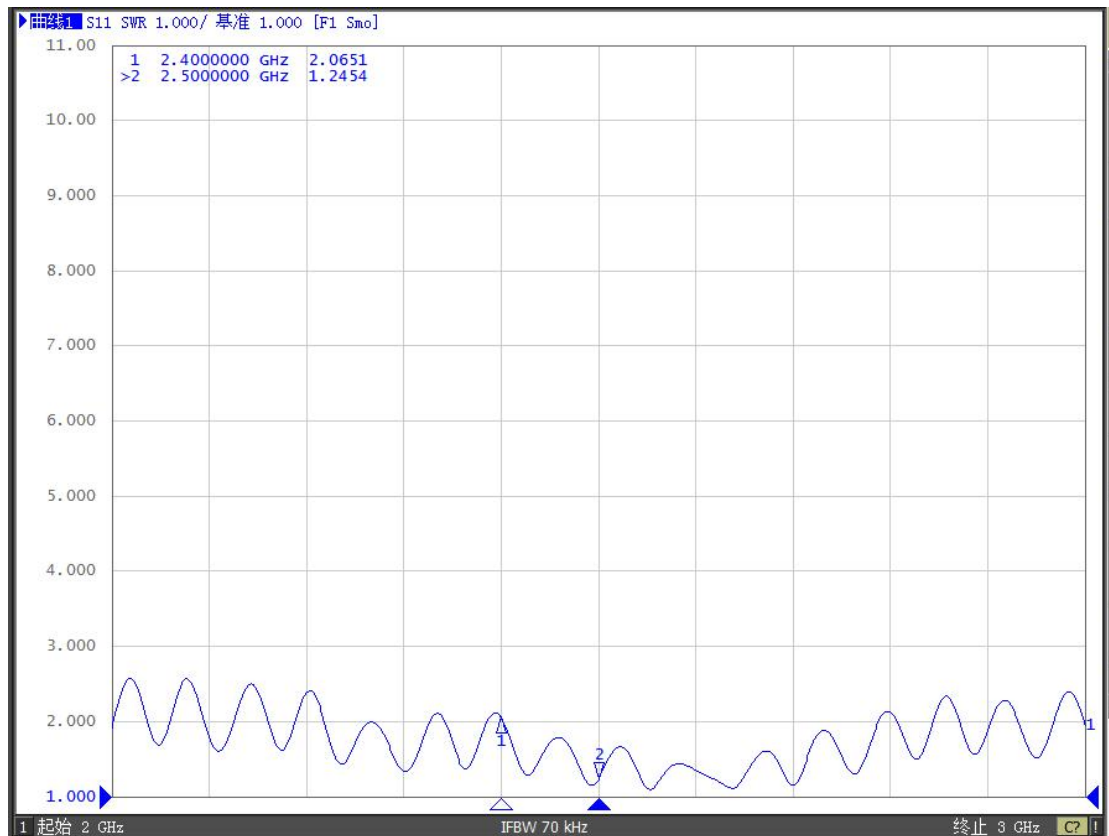


图 1 . 天线连接网络分析仪视图

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。