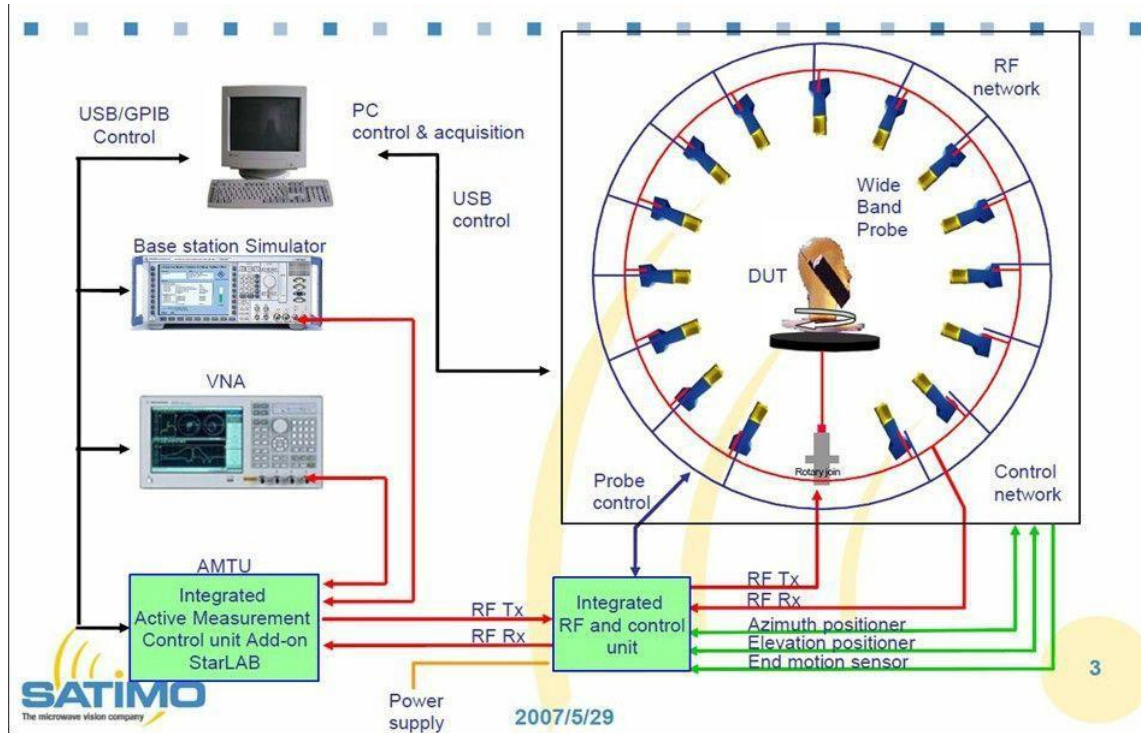


Passive test report of OuZhiTong onboard aennant

| | |
|------------------------------|------------------------------|
| Customer name: Ou Zhitong | Project name: 6188S-UF |
| Antenna frequency band: 2.4G | Development case number: |
| Version number: v1.0 | Date of production: 20180803 |
| Structure: | Radio frequency: Wang He |

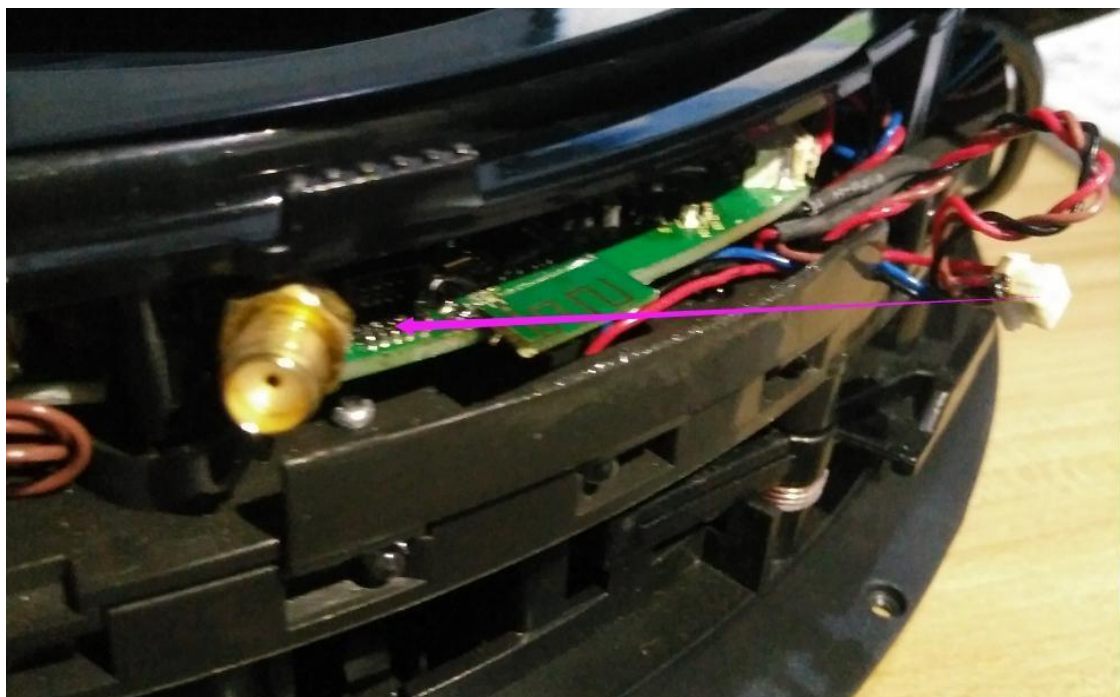
1. Test schematic diagram of microwave anechoic chamber:



2. Description:

This report summarizes the electrical performance results of OuZhiTong onboard antenna project on the whole machine, and the S11 parameters of the antenna.

3. Schematic diagram of antenna installation machine:



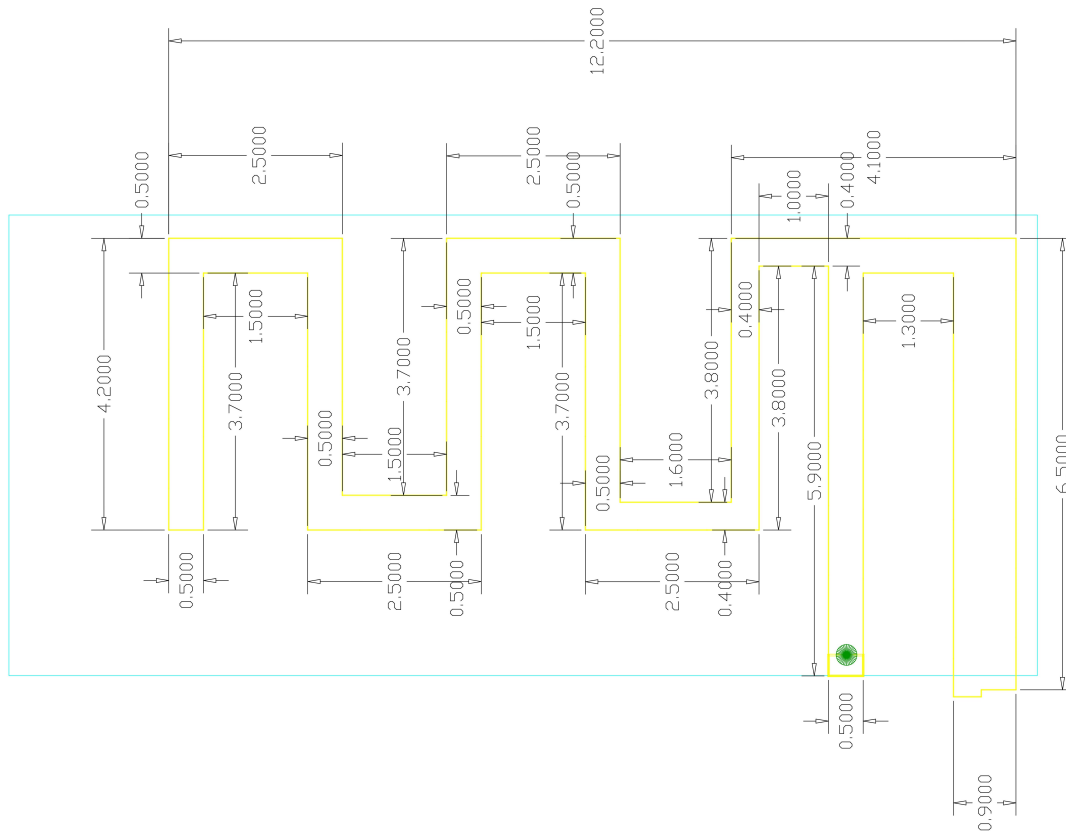
4. Antenna passive test data:

WIFI antenna test

4.1 Parameter diagram of WIFI antenna S11



4.2 Antenna Layout & module on the system board

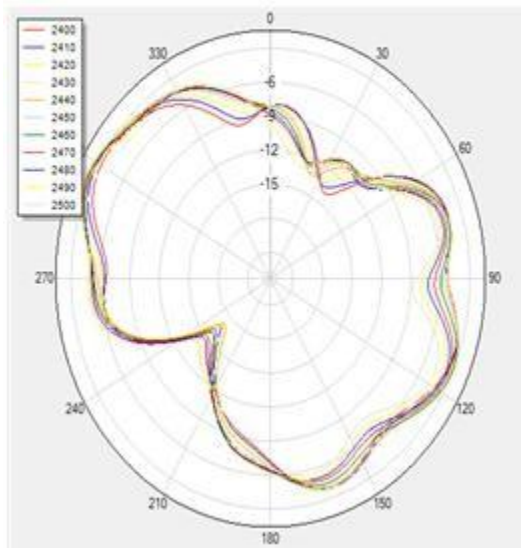
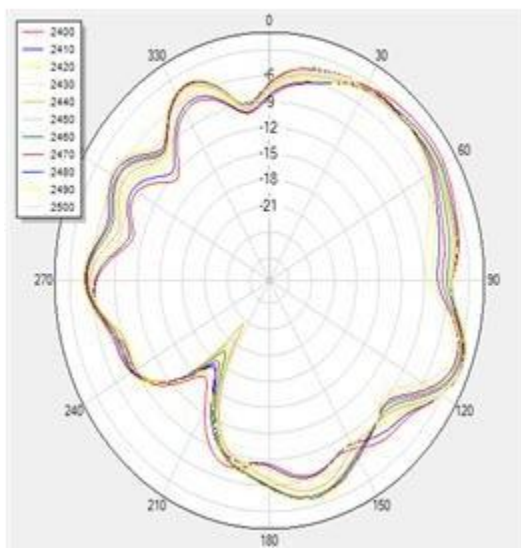
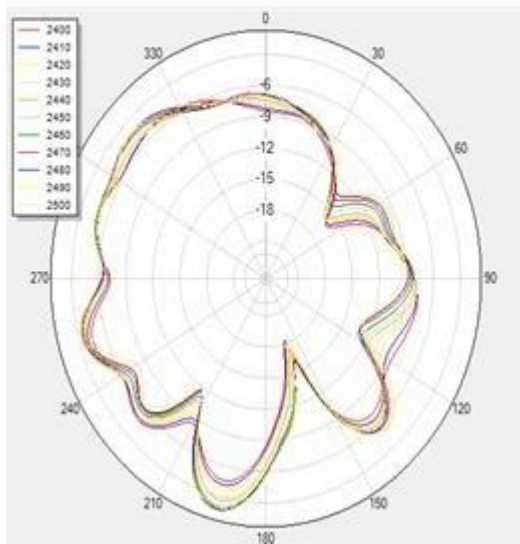


4.3 Standing wave ratio data

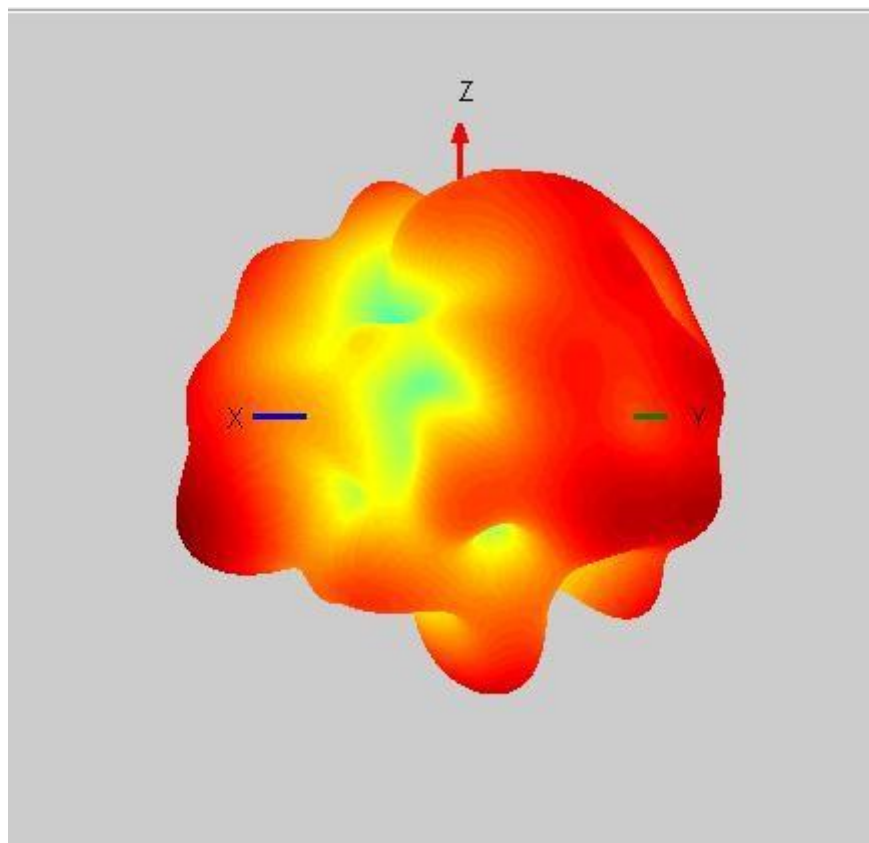
| | | | |
|----------|------|------|------|
| Freq/GHz | 2.4 | 2.45 | 2.5 |
| VSWR | 1.13 | 1.57 | 1.57 |

4.4 Antenna darkroom test

| | | | | | | | | | | | |
|--------|-------|------|-------|------|-------|-------|------|-------|-------|-------|-------|
| 频率/MHz | 2400 | 2410 | 2420 | 2430 | 2440 | 2450 | 2460 | 2470 | 2480 | 2490 | 2500 |
| 增益/dBi | -0.64 | -0.6 | -0.56 | -0.2 | -0.43 | -0.31 | -0.5 | -0.66 | -0.69 | -0.57 | -0.83 |
| 效率/% | 25% | 25% | 25% | 26% | 26% | 27% | 26% | 26% | 26% | 27% | 26% |

H Theta=90**V Phi=90****V Phi=0**

3D drawing



5. Test summary

The passive standing wave ratio and passive efficiency of Ouzhitong onboard antenna can meet the requirements of the whole machine performance.