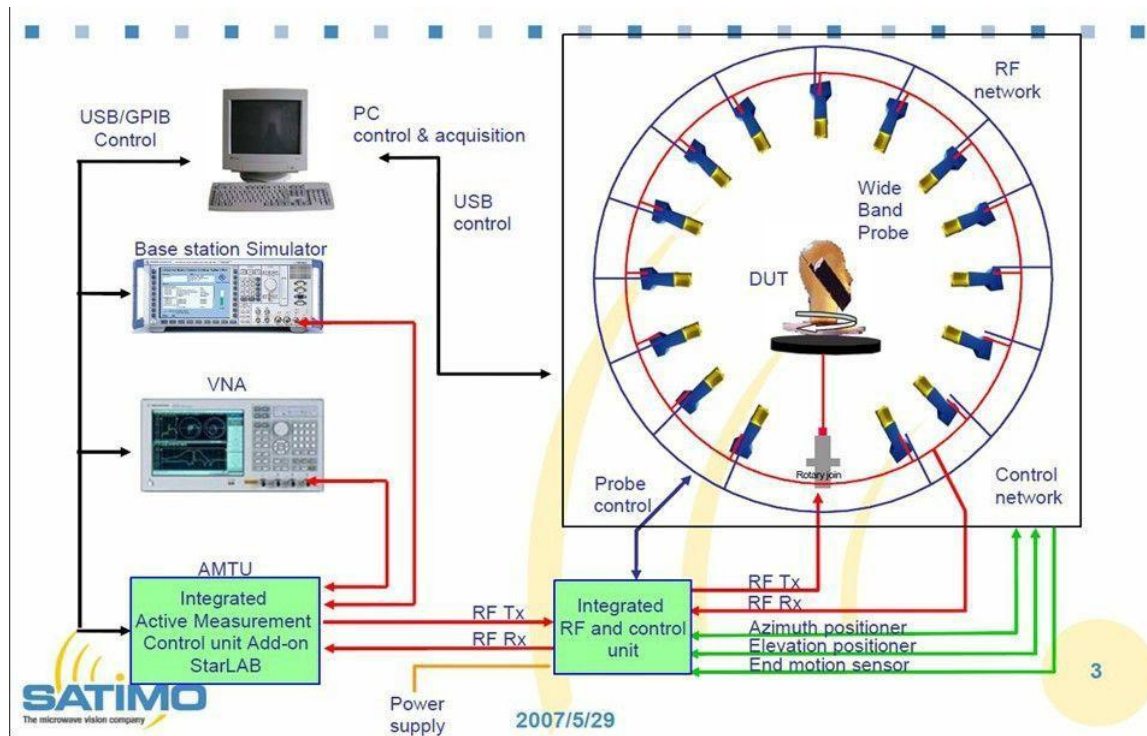




Passive test report of OuZhiTong onboard aennant

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:

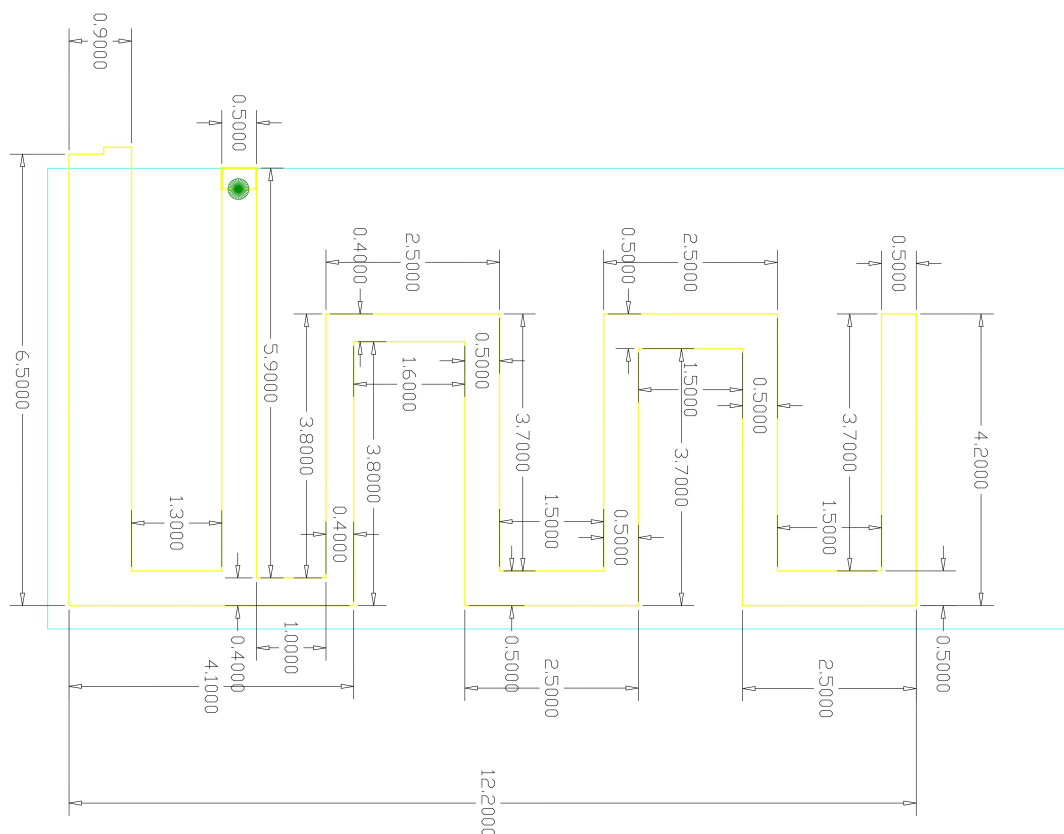
4. Antenna passive test data:

WIFI antenna test

4.1 Parameter diagram of WIFI antenna S11



4.2 Antenna Layout & module on the system board



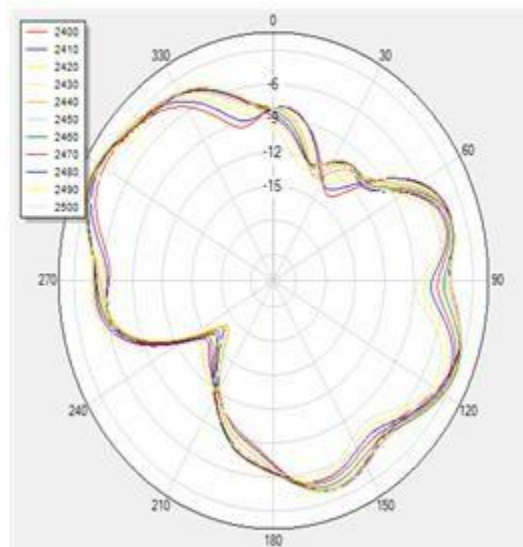
4.3 Standing wave ratio data

Freq/GHz	2.4	2.45	2.5
VSWR	1.13	1.57	1.57

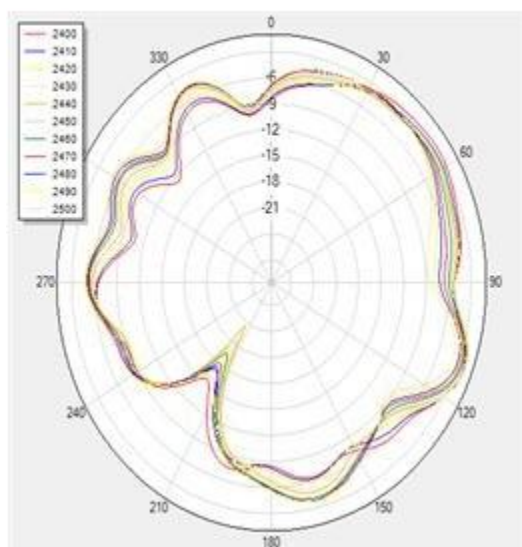
4.4 Antenna darkroom test

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%

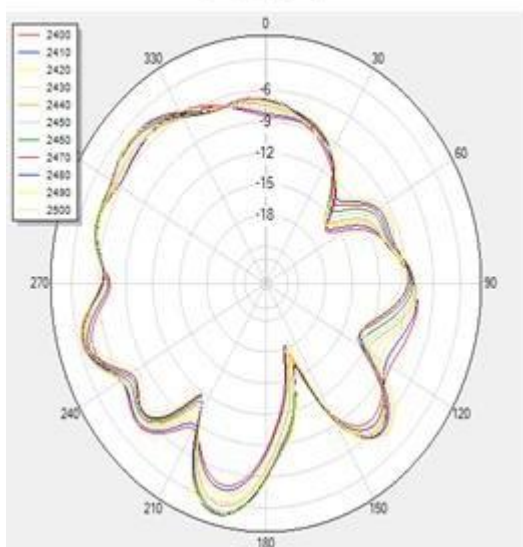
H Theta=90



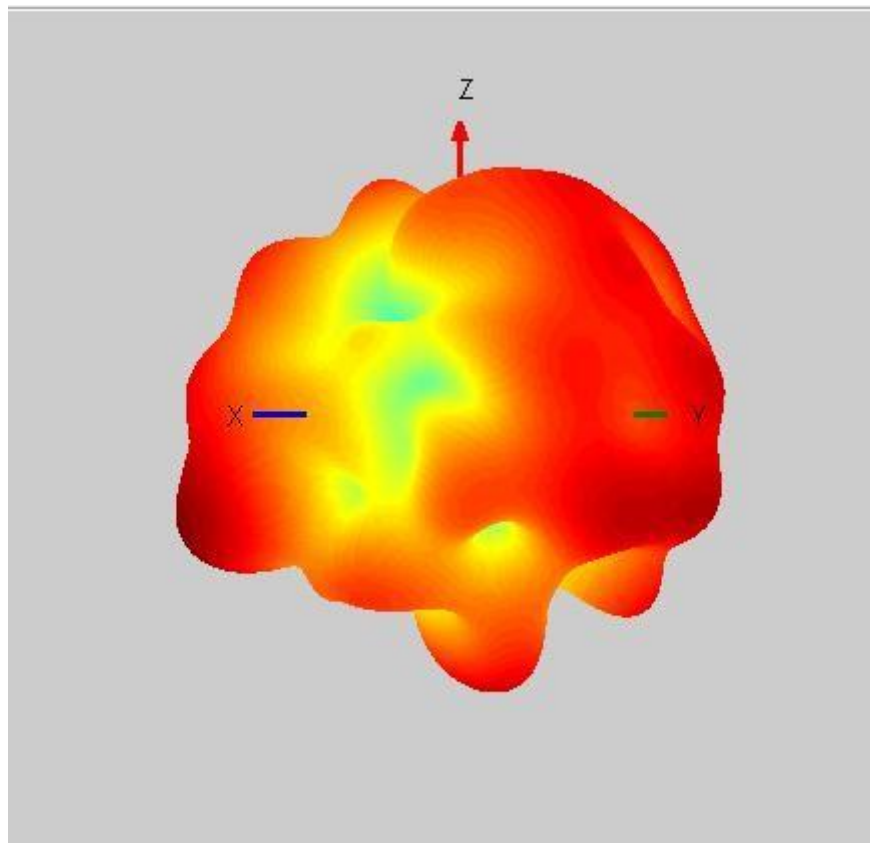
V Phi=90



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.