



Product specifications acknowledgment

Manufacturer: Kunshan ExclusiveTech Co., Ltd

Description: WiFi Antenna

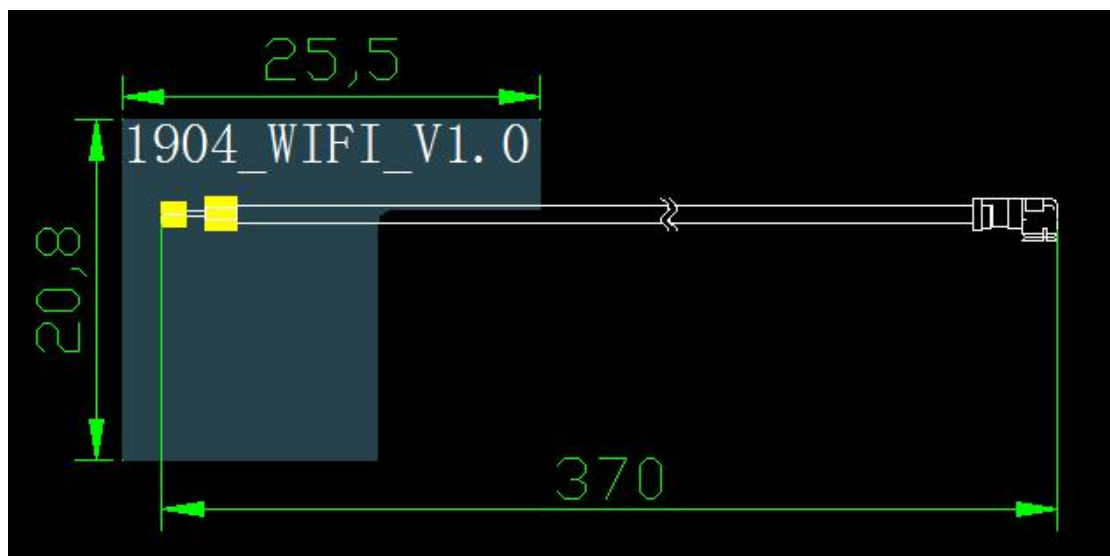
Product Type: 1904 WIFI V1.0

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Product Specification

Main technical specifications			
Frequency Range (MHz)	2400–2500		
Impedance (Ω)	50		
Gain (dBi)	-0.4		
VSWR	≤ 2.0		
Connector Type	IPEX		
Physical Properties			
Size (mm)	25.5*20.8		
Material	FPC		
Cable	SY137	black	370mm

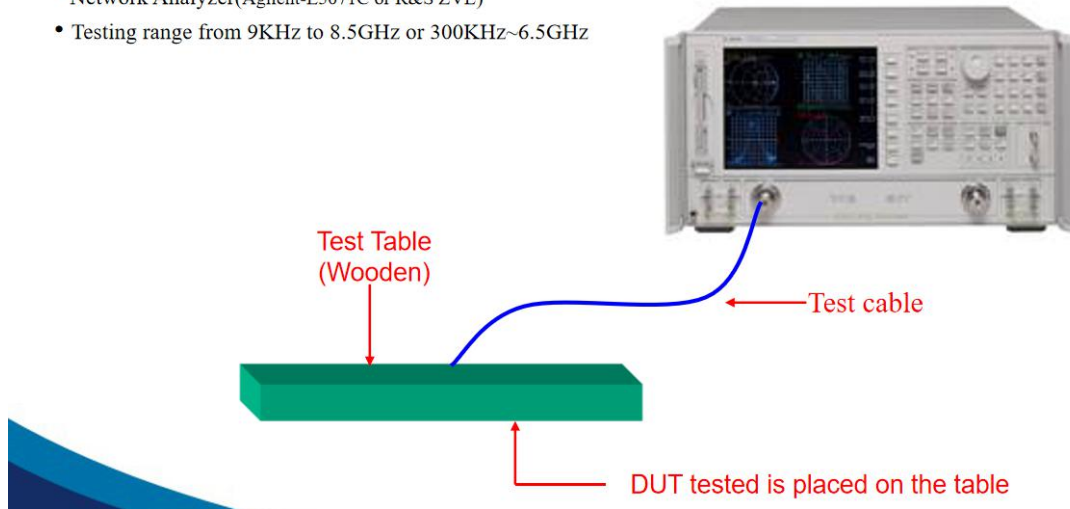
Product Drawing



Test Equipment & Conditions

S-Parameter test

- Network Analyzer(Agilent-E5071C or R&S ZVL)
- Testing range from 9KHz to 8.5GHz or 300KHz~6.5GHz



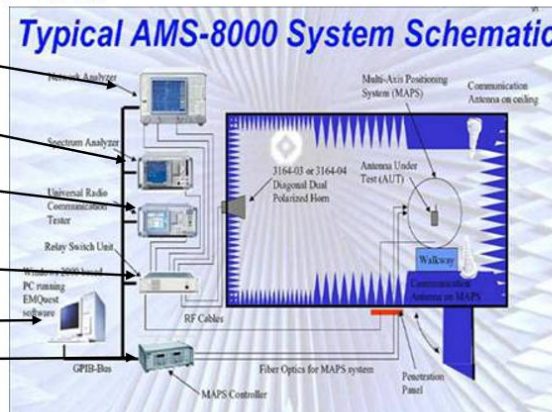
3D Chamber Structure

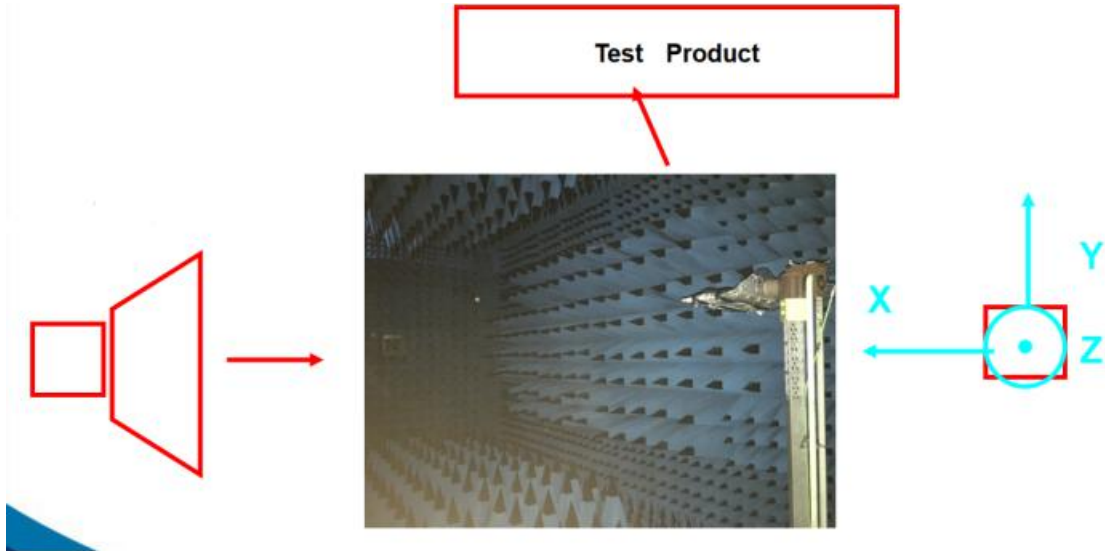
- ETS-Lindgren AMS-8000 Series System Components
- Chambers
- EMQuest EMQ-100 Software
- Positioning Systems
- Chamber Room Size: L*W*H=7.3*3.7*3.7 M

VSWR were performed using an Agilent S-parameter Network Analyzer.



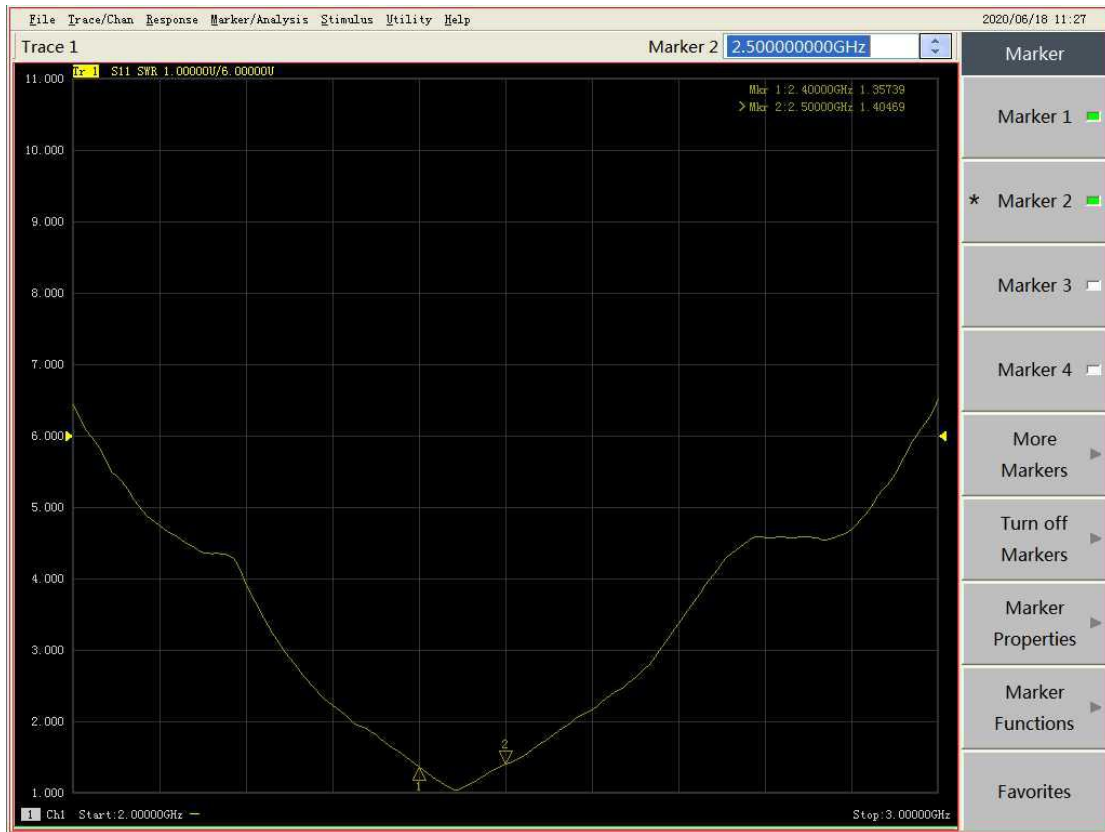
- **Network Analyzer**
Agilent E5071C
- **Spectrum Analyzer**
R&S FSP13
- **Universal Radio Communication Tester**
R&S CMU200
- **Switch**
Agilent 3499B
- **PC and Software**
- **Rotate Controller**
ETS-Lindgren 2090





Test Report

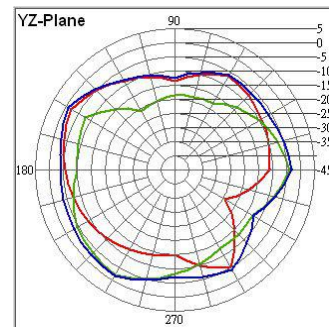
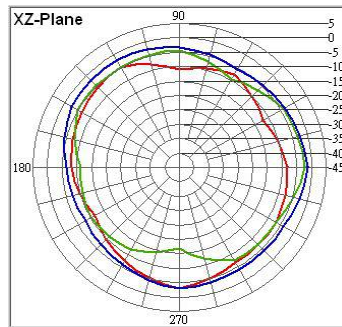
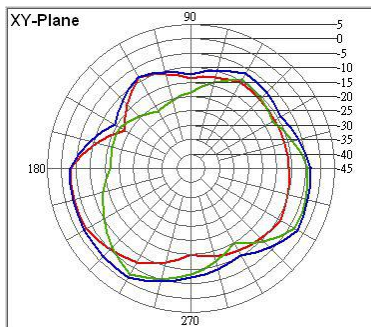
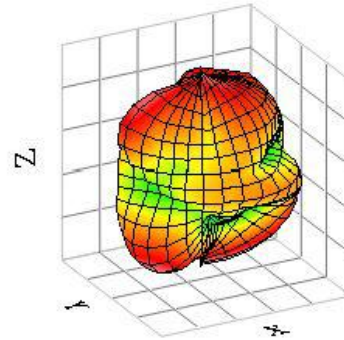
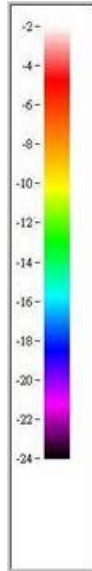
VSWR



Radiation Pattern

2D Radiation Pattern

Radiation pattern of 2450 MHz



The Most Appropriate Antenna for Your Best Design!

— H-Pol — V-Pol — H+V

Efficiency

Frequency (MHz)	Efficiency(%)	Efficiency(dB)
2400	29.09	-5.36
2412	30.12	-5.21
2437	31.36	-5.04
2442	33.86	-4.70
2450	33.60	-4.74
2462	34.12	-4.67
2484	35.59	-4.49
2500	34.11	-4.67