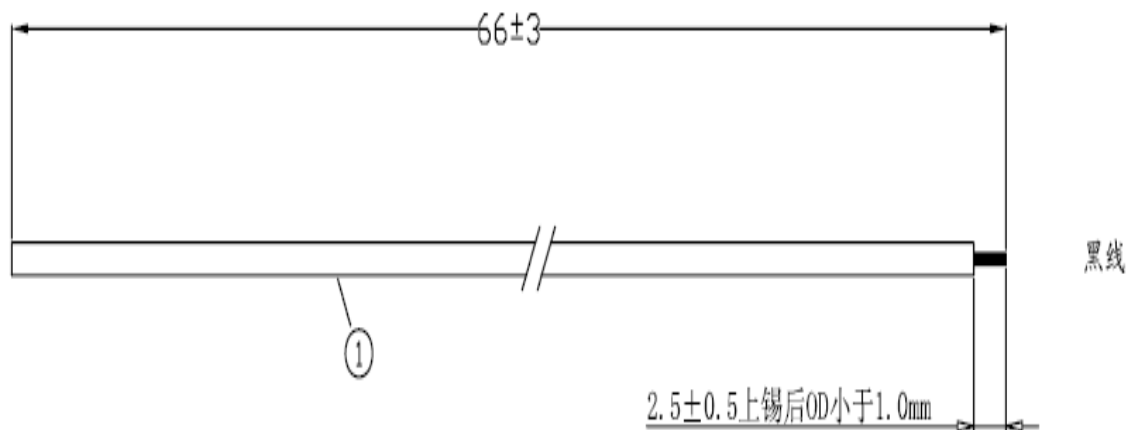


Antenna Evaluation Result

Antenna Dimensions

66* 1.0mm



Specifications

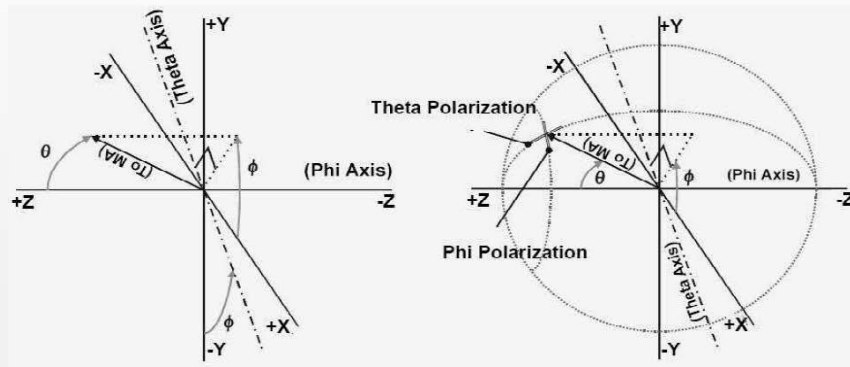
Antenna type	Wire Antenna
Frequency range	2400~2500MHz
Peak gain	0dBi
VSWR	2.0 : 1 Max.
Polarization	Linear, vertical
Impedance	50 Ω
Antenna dimension	66mm*1.0mm

Antenna Test Data

Spherical Pattern Measurement



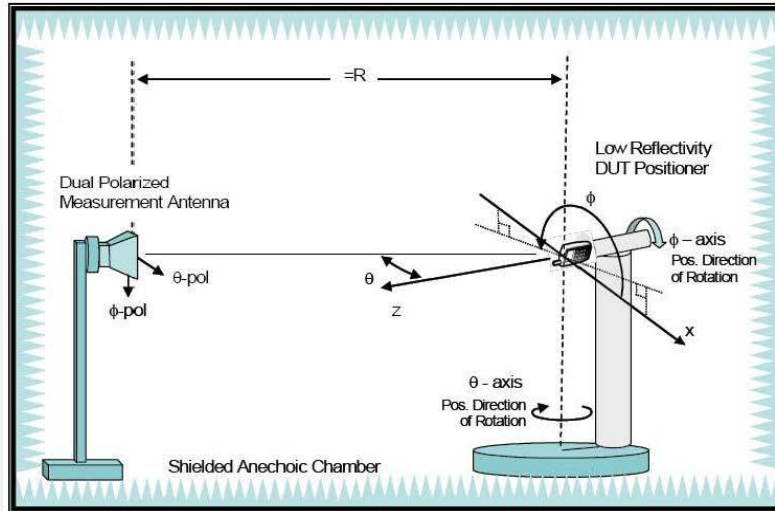
- Defining rotational axes and polarization directions in terms of a spherical coordinate system in the AUT reference frame avoids confusion between different test systems



Chamber Configuration & Test Setup



► Typical Setup—Great circle—Free Space



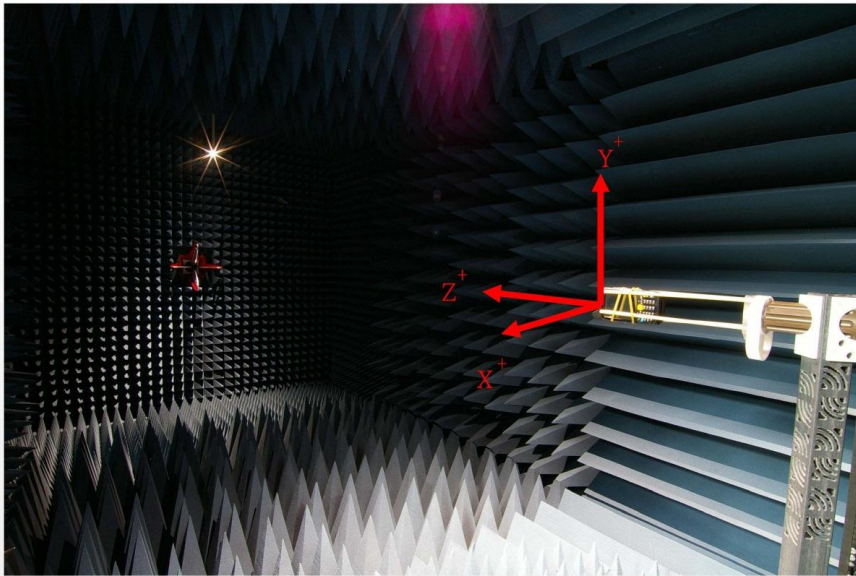
CTIA OTA / Wi-Fi CWG-RF / WiMAX RPT Facility



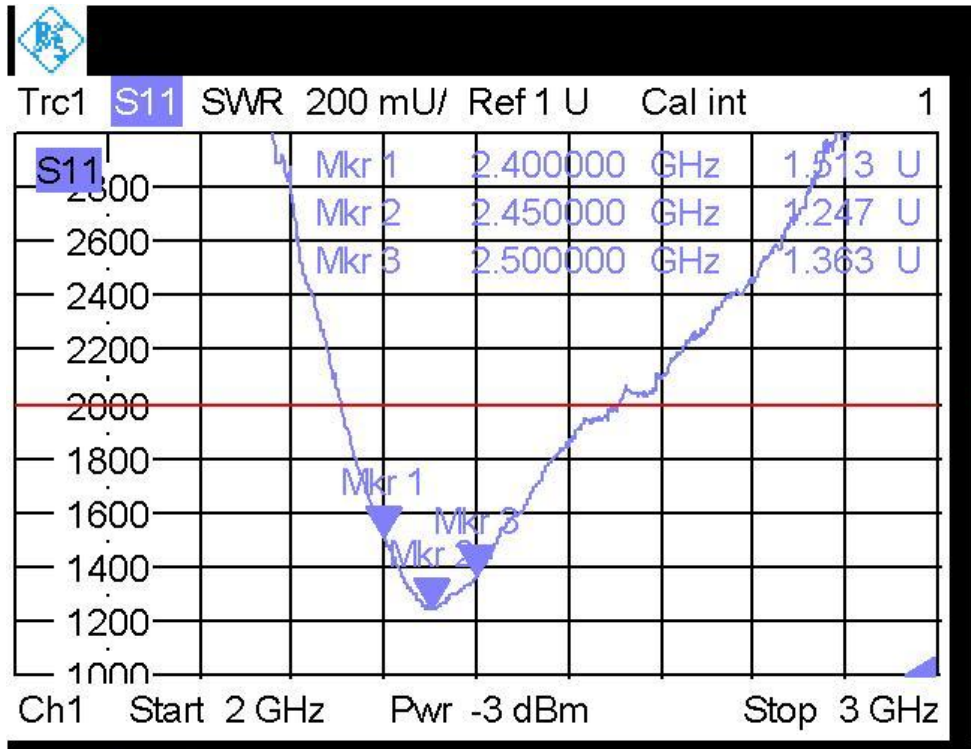
- Manufacture : ETS-Lindgren
- Model: AMS8500
- Internal Dimensions:
7.32x3.66x3.45 m (L x W x H)
- Measurement Distance: 4.86 m
- Frequency Range: 400MHz ~ 6GHz
- Shielding Effectiveness: >100 dB.
- Quiet Zone Performance:
 - OTA : <0.59dB (worst frequency)
 - CWG-RF: <0.66dB
 - RPT: <0.47dB(worst frequency)

Real one stop service for CTIA OTA, Wi-Fi CWG-RF, WiMAX RPT and Passive Antenna pattern.

Typical Setup—Great circle—Free Space



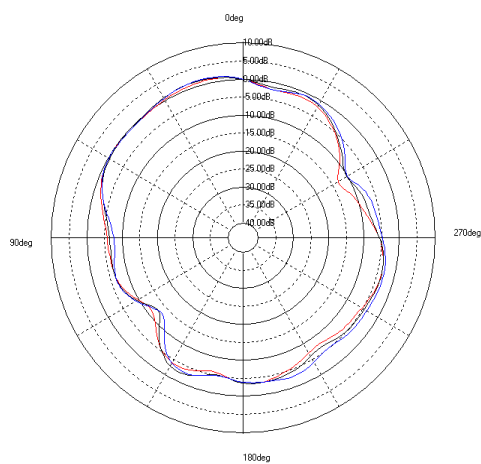
VSWR



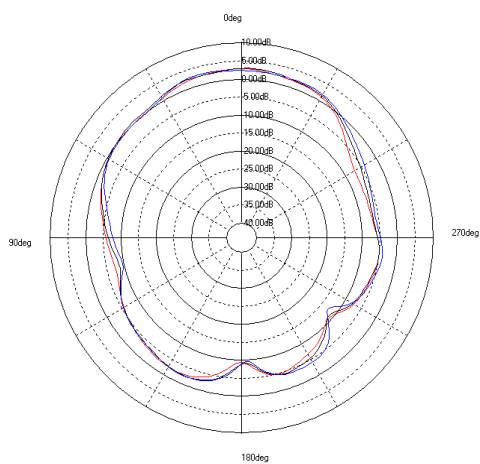
Gain Pattern

Frequency	3D			V+H Avg. Gain			V+H Peak Gain		
	Efficiency	Avg. Gain	Peak Gain	XY-plane	YZ-plane	ZX-plane	XY-plane	YZ-plane	ZX-plane
2400MHz	63%	-2.0	0	-4.2	-3.1	-1.2	-0.7	-0.77	-0.1
2450MHz	67%	-1.7	-0.5	-3.8	-2.9	-1.3	-0.1	-0.8	-0.8
2500MHz	68%	-1.6	-0.4	-3.6	-2.8	-1.3	-0.2	-0.6	-0.6

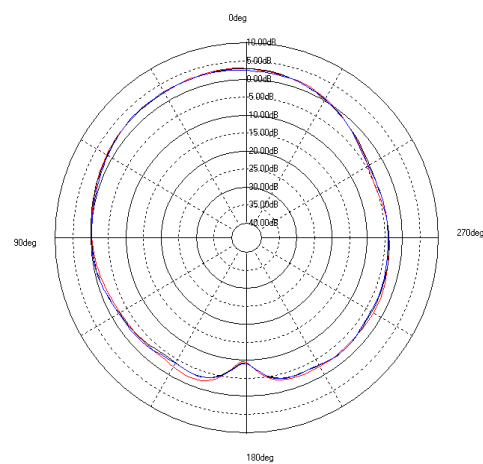
2D Gain Pattern_Antenna



XY-plane



YZ-plane



ZX-plane

— 2400.00(MHz)
— 2450.00(MHz)
— 2500.00(MHz)