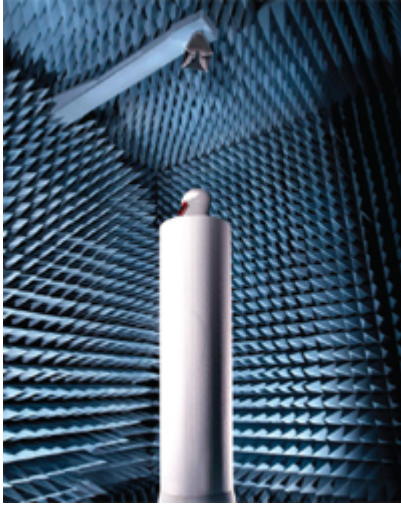


WIRELESS SOLUTIONS AMS-8800 Series Antenna Measurement System

ETS-Lindgren's AMS-8800 Series Antenna Measurement System is a theta arm based antenna measurement test system.



ETS-Lindgren's AMS-8800 Series Antenna Measurement System is a theta arm based antenna measurement test system. This system is ideally suited for automated measurement of antenna performance of wireless devices and devices with embedded wireless functions. The AMS-8800 includes a distributed axis positioning system consisting of an azimuth rotator to rotate the AUT about the phi axis and a separate theta arm positioner to elevate the measurement antenna around the AUT.

The scanning assembly uses a dual polarized quad-ridged horn antenna mounted on the theta scanning arm. The arm moves in an arc over a low dielectric foam column that supports the AUT. The entire scanning mechanism is housed inside of an anechoic lined chamber that provides RF isolation and a near-freespace environment. ETS-Lindgren's EMQuest™ EMQ-100 Antenna Measurement Software provides test automation, post processing, and tabular/graphical data output.

5G capable with SUB-6 upgrade available. Contact your ETS-Lindgren representative for details.

Key Features

- Efficient Over-The-Air (OTA) Testing for Wireless Devices
- Theta Arm Spherical Scanning System
- Frequency Range 690 MHz to 10 GHz
- Turnkey Systems Available for SISO Testing
- Easy Calibration by User
- Optional Chair Support
- Dual Polarized Measurement Antenna

Features

Theta Arm

The theta rotational arm scanning system provides a quick, convenient, and accurate test method for wireless devices. It is a good choice for larger, heavier AUTs, especially those which may be gravity dependent.

Measurement Antenna

The dual polarized quad-ridged antenna in the theta arm provides broadband measurement in both polarizations. The standard frequency range is 690 MHz to 10 GHz. Options are available to increase the frequency range.

Device Mounts

A table-top mount is included for testing portable computing devices, desktop computing devices, small appliances, and customer premise equipment.

Compliance Testing

The AMS-8800 can easily be configured for upgrade to conduct CTIA Over-The-Air (OTA) testing and other wireless testing with optional test expansion packages.

Specifications

Electrical Specifications

Frequency Range: 690 MHz to 10 GHz

Voltage (Hz): 50/60 Hz

Physical Specifications

Model	Shield Dimensions (L x W x H)	Overall Dimension	Shielded Door	Shield Material
AMS-8813	4.0 m x 4.0 m x 4.0 m (13 ft x 13 ft x 13 ft)	4.2 m x 4.2 m x 4.2 m (13.67 ft x 13.67 ft x 13.67 ft)	1.2m x 2.1m (3.92 ft x 6.83 ft)	Aluminum
AMS-8815	4.9 m x 4.9 m x 4.9 m (16 ft x 16 ft x 16 ft)	5.1 m x 5.1 m x 5.1 m (16.67 ft x 16.67 ft x 16.67 ft)	1.2m x 2.1m (3.92 ft x 6.83 ft)	Aluminum

Other Specifications

- Modular RF-shielded Enclosure
- Single Leaf RF shielded Personnel Door
- Waveguide Air Vents on Chamber Ceiling
- Fiber Optic LED Light System
- Shield Test per MIL-STD-285
- Fully Anechoic Absorber Lining
- Power Line Filters
- Theta Arm Distributed Axis Positioner
- Low Loss RF Cables from MAPS to the Feed-through Panel at the Shielding
- Workstation Computer with Intel® Quad-core Processor
- EMQuest EMQ-100 Antenna Measurement Software
- ETS-Lindgren 3102 Conical Log Spiral Communications Antenna
- 3126 Precision Sleeve Dipoles and 3127 Resonant Loop Antenna Mount Kits
- Ferrite Cables for Range Calibration and Ripple Tests
- Turnkey Software and Hardware Integration and System Training
- Quiet-Zone Ripple Test According to CTIA Over-The-Air Test Plan at Frequencies 836.5 MHz and 1880 MHz
- EMCenter Modular RF Platform for Positioner Controller and Switching
- Antenna Mounting Fixture for Range Calibration
- Free Space and Head & Hand Mount Kit
- Fully Integrated 19" Rack System

