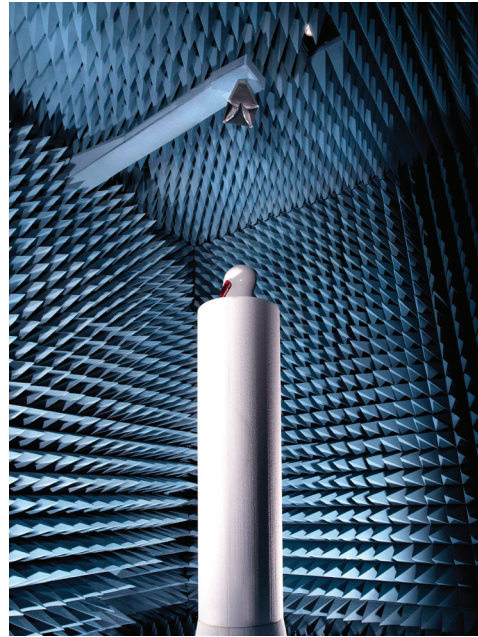


FEATURES:

- **Theta Arm Spherical Scanning System**
- **Dual Polarized Measurement Antenna**
- **700 MHz - 10 GHz Frequency Range (Upgradable to Higher Frequencies with Optional Antennas)**
- **Turnkey Systems Available for Over-The-Air Testing per CTIA[™], Wi-Fi[™], and WiMAX[™] RPT Test Specifications**



ETS-Lindgren's Model AMS-8800 Over-The-Air Test Lab

ETS-Lindgren's Model AMS-8800 Theta Arm Antenna Measurement System is the newest addition to our AMS-8000 series of antenna measurement systems. This model is ideally suited for automated measurement of antenna performance of wireless devices, and devices with embedded wireless functions.

DESCRIPTION

The AMS-8800 includes a distributed axis positioning system consisting of an azimuth rotator for rotating the DUT about the phi axis, and a separate theta arm position for elevating the measurement antenna around the DUT.

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 DUT. The entire scanning mechanism is housed inside of an anechoic lined chamber that provides RF isolation and a near-free-space environment. ETS-Lindgren's EMQuest[™] EMQ-100 Antenna Measurement Software provides test automation, post processing, and tabular/graphical data output.

FEATURES

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 DUTs, especially those which may be gravity dependent.

The dual polarized quad-ridged antenna in the theta arm provides broadband measurement in both polarizations. The standard frequency range is 700 MHz - 10 GHz. Options are available to increase the frequency range.

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

The AMS-8800 can easily be configured upgraded to conduct over-the-air testing of wireless devices per CTIA, Wi-Fi, and WiMAX RPT specifications. Please contact ETS-Lindgren for further information.

APPLICATIONS

- CTIA Over-The-Air Performance Testing
- Wi-Fi Over-The-Air Performance Testing
- WiMAX Forum[™] RPT Testing
- Antenna Pattern Measurement for Design and Development

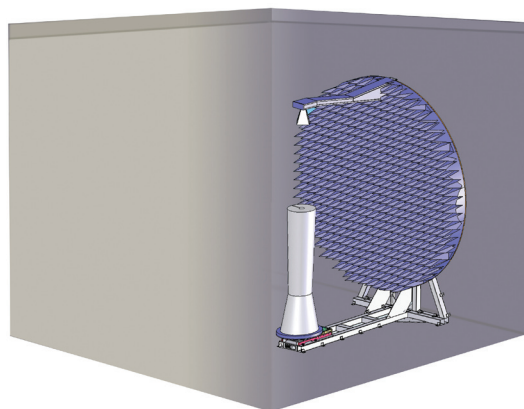
BASELINE PACKAGE FOR AMS-8800

- RF-shielded, rectangular anechoic chamber 4.88 m L x 4.88 m W x 4.88 m H (16 ft. x 16 ft. x 16 ft.), including RF shielding, absorber and installation
- Shield Test per MIL-STD-285
- ETS-Lindgren Theta Arm Distributed Axis Positioner
- ETS-Lindgren Model 2090 Positioner Controller
- ETS-Lindgren Theta Arm Mounted Dual Polarized Horn Antenna, 700 MHz - 10 GHz

- Low loss RF cables from positioner to the feed-through panel at the shielding
- EMQuest[™] EMQ-100 Antenna Measurement Software installed on desktop computer with NI GPIB interface card
- ETS-Lindgren Model 3102 Conical Log Spiral communication antenna
- ETS-Lindgren Model 3126 Precision Sleeve Dipoles and Model 3127 Resonant Loop Antennas (one each at 836.5 MHz and 1880 MHz) with mounts and ferrite beaded cables for range calibration and site validation (ripple test) per the CTIA OTA test plan
- SAM phantom head according to IEEE Std. 1528-2002
- 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

OPTIONS

- RF test equipment with full integration to OTA Test Lab. Various options available
- Shielded control room
- Additional ETS-Lindgren Model 3102 Conical Log Spiral communication antennas
- ETS-Lindgren Model 3164-05 Quad-Ridged Horn antenna, 2 GHz - 6 GHz
- ETS-Lindgren Model 3126 Precision Sleeve Dipoles in other frequencies
- ETS-Lindgren Model 3127 Resonant Loop Antennas with other center frequencies
- Standard Phantom Hands for Wireless Handset Testing
- Quiet-Zone Field Uniformity per WiMAX Forum RPT



ETS-Lindgren's Model AMS-8800 Over-The-Air Test Lab