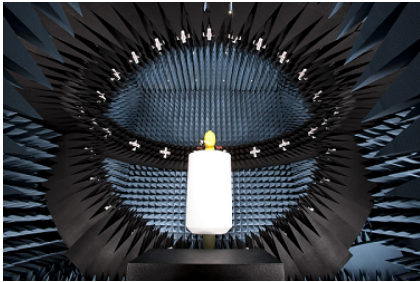


WIRELESS SOLUTIONS AMS-8900 Series Antenna Measurement System

ETS-Lindgren's AMS 8900 Series Antenna Measurement System is a high speed, multi-antenna array test system designed for fully compliant radiated wireless antenna measurements.



ETS-Lindgren's AMS 8900 Series Antenna Measurement System is a high speed, multi-antenna array test system designed for fully compliant radiated wireless antenna measurements. The AMS-8900 system includes a custom multi-antenna array ring. This ring houses a system of dual-polarized antennas. With a switch control box integrated on the ring, the test system provides fast switching between antennas for high speed testing. Its centralized system configuration supports easy maintenance and superior reliability.

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

Key Features

- Fully Compliant Over-The-Air (OTA) Testing for Wireless Devices
- High Speed Passive Testing
- Multi-antenna Array System with 23 or 47 Sensors
- Frequency:
 - 690 MHz to 6 GHz (Standard)
 - 400 MHz to 6 GHz (Option)
 - 690 MHz to 10 GHz (Option)
- Path Lengths:
 - 1.35 m
 - 1.50 m
 - 1.95 m
 - 3.17 m
- Integrated Laser Alignment System
- Turnkey Systems Available for SISO and MIMO Testing
- Easily Calibrated by User
- CTIA Audit Assistance
- Additional Options:
 - Goniometer Positioner to Enable Finer Angular Resolution Measurements
 - Adjustable Chair Support
 - Boundary Array MIMO Capability

Features

Multi Antenna Array

23 or 47 dual-polarized SISO antennas spaced every 15° or 7.5° with anechoic absorber material between them to provide high speed, accurate and repeatable test performance.

Integrated Laser Alignment

An integrated laser alignment system assists in quick and precise DUT positioning.

System Frequency

Supports testing between 690 MHz and 6 GHz as standard, or optionally 400 MHz to 6 GHz or 690 MHz to 10 GHz.

Turnkey Systems Availability

The baseline AMS-8900 Series Antenna Measurement System is designed as a general platform to support testing of various wireless devices and mobile handsets. This chamber can be equipped with optional upgrade packages to support compliant measurements.

Specifications

Electrical Specifications

Frequency Range:

- 690 MHz to 6 GHz (Standard)
- 400 MHz to 6 GHz (Option)
- 690 MHz to 10 GHz (Option)

Path Length:

- 1.35 m
- 1.50 m
- 1.95 m
- 3.17 m

Voltage (Hz): 50/60 Hz

Physical Specifications

Model	Shield Enclosure Dimensions (L x W x H)	Overall Chamber Dimensions(L x W x H)
AMS-8923-135	3.7 m x 3.7 m x 3.7 m (144 in x 144 in x 144 in)	3.9 m x 3.9 m x 3.9 m (152 in x 152 in x 152 in)
AMS 8923-150	4.0 m x 4.0 m x 4.0 m (156 in x 156 in x 156 in)	4.2 m x 4.2 m x 4.2 m (164 in x 164 in x 164 in)
AMS-8923-195	4.9 m x 4.9 m x 4.9 m (192 in x 192 in x 192 in)	5.1 m x 5.1 m x 5.1 m (200 in x 200 in x 200 in)

Other Specifications

- Modular RF-shielded Enclosure
 - RF-shielded Personnel Door
 - Waveguide Air Vents
 - Power Line Filters
 - Optical LED Light System
 - Connector Panels & Penetrations
 - Anechoic Absorber Materials for Walls, Ceiling, Antenna Array and Floor
 - Multi-antenna Array
 - Continuous Rotation Phi-axis Positioner
 - Range Calibration and Ripple Test Mount Kit
 - Mobile Phone Kit
 - Laptop Mount Kit
 - Ferrite Beaded RF Cables for Range Calibration and Passive Measurements
 - Two Log Spiral Communication Antennas on Floor
 - Three-channel Amplifier System for Improved System Dynamic Range
 - Workstation Computer with Intel® Quad-core Processor
 - EMQuest™ EMQ-100 Antenna Measurement Software
 - EMCenter Modular RF Platform for Positioning Control and Switching
 - Fully Integrated Rack System
 - Design, Installation, Integration and Training
 - Performance Testing
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