CHAMBER AMS-8700 ANTENNA MEASUREMENT SYSTEM

ETS-Lindgren's AMS-8700 systems configured for the CTIA signal-to interference test method utilize an array of either eight or sixteen dualpolarized antennas arranged to provide downlink signals from many angles of arrival at the DUT. Downlink signals are generated for each technology by a wireless network emulator and spatial channel models are applied to the RF signal fed to each antenna in the array.

AMS-8700 systems upgraded for the 3GPP power-versus-throughput test method utilize an array of sixteen antennas with each downlink RF path also containing stepping attenuators in addition to channel spatial models from theRF fader.

Automation of this test using EMQuest control software greatly reduces the complexity involved in either the CTIA or 3GPP test method.

MODEL AMS-8700

- **Suitable for LTE, WiMAX, and 802.11n MIMO Testing**
- **Supports Testing per CTIA Test Plan for 2x2 Downlink MIMO and Transmit Diversity Over-the-Air Performance**
- **Suitable for Evaluation of Receive Diversity**
- **Complete RF Environment Simulation**

Technical Specifications

Electrical	
Frequency Range	690 MHz to 6 GHz
Test Methodology	Horizontal Ring of Antennas
Compliance Standard and Technology	CTIA/MIMO
Rotation Axis	Combined-Axis
Physical	
Path Length	1.95 m (6.4 ft)
Overall Dimensions	4.95 m x 4.95 m x 3.35 m (16.25 ft x 16.25 ft x 11.0 ft)
Maximum Load Capacity	11.3kg (24.91 lb)

Standard Configuration

- Supports Single Cluster, Multiple Cluster, and Uniform Models
- Supports Variable Angles of Arrival, Doppler, and Delay Spread

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