CHAMBERS AMS-5700 ANTENNA MEASUREMENT SYSTEM

ETS-Lindgren's AMS-5700 Antenna Measurement System is a compact 2D antenna performance measurement system that offers versatility in application and frequency range. The compact direct far-field design allows short cables and optimum instrumentation placement near the measurement antenna. AUT administration is achieved through a wide opening door and various DC, communication, and RF connectors that can be mounted to the feed-through panel. Additionally, AMS-5700 is a tabletop design that can be moved by cart between fl oors to be shared among labs and moved in most elevators. An optional roll-axis stage can be fitted to this model to enable 3D patterns on light antennas and arrays. This model is recommended for universities, R&D, design validation, pre-certifi cation testing, and small-antenna passive 2D or 3D performance metrics.

AMS-5700 SERIES

- **Dual Polarized Measurement Antenna 5-50 GHz**
- **1m (39.4 in) Range Length**
- **Laser Alignment**
- **Single Axis Positioner**
  - **— 0.03 degree accuracy**
  - **— 0.01 degree resolution**
  - **— Power, RF, and USB Ring Slip**
- **Supports Passive Testing in CW Mode**
- **Tests Fully-Modulated Signals**

Product Features:

- Receiver and transmitter calibration
- Fixed beam 2D measurements
- Chipset or system design validation
- General FR2 research and development
- Parameterized performance measurement
- Production sample testing

Electrical	
Measurement Frequency	5 GHz to 50 GHz standard, options up to 110 GHz
Path Length	≈ 1.0 m
Azimuth Positioner	Accuracy: 0.03 deg Resolution: 0.01 deg
Quiet Zone Size (Maximum Antenna Under Test Diameter per Frequency)	At 20 GHz ~8 cm At 40 GHz ~6 cm At 60 GHz ~4 cm
Typical RF Isolation	80 dB @ 40 GHz
Physical	
Overall Dimensions	44.8 cm x 62.2 cm x 86.4 cm (57.0 in x 24.5 in x 34.0 in)
Shielded Door Dimensions	49.5 cm x 49.5 cm (19.5 in x 19.5 in)
Weight	82 kg (180 lb)

ETS·LINDGREN®
An ESCO Technologies Company

ets-lindgren.com