

CHAMBERS AMS-5705 CATR 5G ANTENNA MEASUREMENT SYSTEM



ETS-Lindgren's AMS-5705 CATR 5G Antenna Measurement System is an indirect far-field compact antenna test range (CATR) system with a 30 cm QZ. The system meets 3GPP and CTIA quality-of-quiet-zone and phase-validation requirements for 5GNR bands n257 through n262. AMS-5705 is also Qualcomm approved for FR2 beam characterization and verification. Its 30 cm QZ is perfect for 5G FR2-enabled smartphone and tablet testing with CTIA approved phantoms.

This model offers 10 kg (22 lb) positioning capacity for the DUT and necessary FR2 phantoms, and provides USB for device communication and power on the multi-axis positioning system (MAPS). AMS-5705 is a reach-in semiportable chamber design on casters that can be relocated as needed through common double-door width office space. This system also supports passive antenna-pattern testing for any antenna array up to 30 cm diameter in the listed frequency range.

AMS-5705 WIGIG ANTENNA SERIES

- Power, RF, USB Slip Ring
- Tests Passive and Modulated Signals

Product Features:

- Indirect Far Field CATR
- Mobile Platform on Wheels
- 0.03 Accuracy

Standard Configuration

- 0.01 Resolution
- Laser Alignment
- AUT Single Axis Positioner

Technical Specifications

Electrical

Measurement Frequency Range : 5GNR FR2, 24 GHz to 43.5 GHz

Device Positioner : Accuracy: 0.05 deg
Resolution: 0.01 deg

Quiet Zone Size : 30 cm Diameter Cylinder, 30 cm in Depth

Typical RF Isolation : 80 dB @ 40 GHz

Physical

Overall Dimensions : 2.7 m x 1.5 m x 2.0 m (8.8 ft x 5.0 ft x 6.5 ft)

Maximum Load Capacity : 10 kg (22lb)