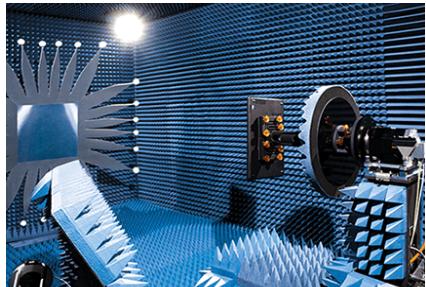


CHAMBERS AMS-5703 CATR 5G ANTENNA MEASUREMENT SYSTEM



AMS-5703 CATR 5G ANTENNA SERIES

- Ideal for 3rd party test labs and large device testing e.g gNodeB testing
- Dual polarized feed antenna

ETS-Lindgren's AMS-5703 is our most popular compact antenna test range (CATR) thanks to its 60 cm QZ and heavy-duty positioning system. This chamber is a favored do-it-all system that handles everything from smart phones to gNodeB base stations comfortably within the QZ. Labs wishing to offer antenna and transmitter testing for the coming wave of FR2 O-RAN base stations, repeaters, and distribution systems will appreciate the 50 kg (110 lb) positioning capacity for the DUT this model offers. AMS-5703 features a walkin chamber design with plenty of space to mount, cable, and prepare complex DUTs for testing. AMS-5703 meets the 3GPP and CTIA quality-of-quiet-zone test method as well as phase validation requirements for 5GNR bands n257 through n262. Model AMS-5703 is also approved by Qualcomm for FR2 beam characterization and verification measurements. As opposed to 30 cm quiet zone CATRs, AMS-5703's larger QZ allows combinations of devices, phantoms, and materials to be characterized for a much better understanding of real world device performance.

Product Features:

- Indirect Far-Field (IFF) system utilizing Compact Range Reflector system
- Maximum Array support up to 60 cm diameter
- Link budget optimization

Standard Configuration

- Supports Passive Testing in CW Mode
- Tests Fully-Modulated Signals

Technical Specifications

Electrical

Measurement Frequency Range	5GNR FR2, 18 GHz to 50 GHz
Device Positioner	Accuracy: 0.03 deg Resolution: 0.01 deg
Quiet Zone Size	60 cm Diameter Cylinder, 60 cm in Depth
Typical RF Isolation	80 dB @ 40 GHz

Physical

Overall Dimensions	4.6 m x 2.7 m x 2.4 m (15.0 ft x 9.0 ft x 8.0 ft)
Maximum Load Capacity	30 kg (66 lb), Optional 50 kg (110lb)