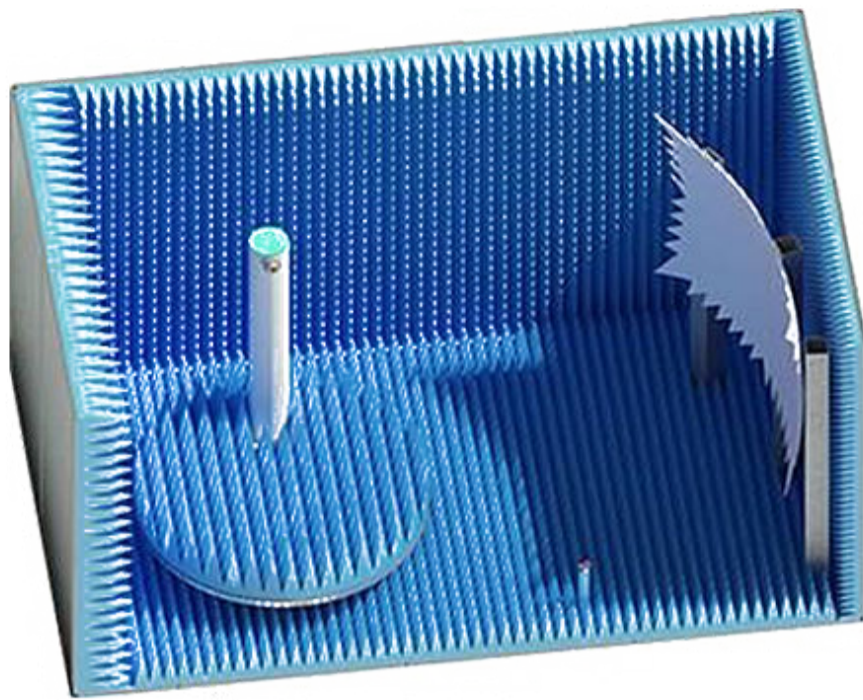


AMS-5707 5G CATR Antenna Measurement System



Key Features

- Indirect far field CATR
- Laser Alignment
- AUT Single Axis Positioner
- Power, RF, USB Slip Ring
- Tests passive and modulated signals

Specifications

Physical Specifications

Typical Exterior Dimensions (Nominal): 8.5 m x 4.9 m x 4.0 m (28.0 ft x 16.0 ft x 13.0 ft)

Max DUT Weight: 5.0 kg (11.0 lb)

Maximum Antenna Array Size

- 24 GHz = 100.0 cm
- 28 GHz = 100.0 cm
- 39 GHz = 100.0 cm
- 44 GHz = 100.0 cm

Electrical Specifications

Voltage (VAC), AUT Positioner Drive System: 208/240; IEC 320 C14

Equipment/AUT: 115/230; IEC 320 C14

Hertz (Hz): 50/60 Hz

Current (A) Drive System: 20 A

Current (A) Equipment/DUT: 5 A

ETS-Lindgren's AMS-5707 5G Compact Antenna Test Range (CATR) is a three-dimensional measurement system for 5G mmWave wireless devices over the frequency range of 18 to 50 GHz. This indirect far field system is recommended for 3GPP and 5G conformance and performance testing (EIRP, TRP, EIS, TIS) and radio interoperability. AMS-5707 is optimized to handle millimeter wave antenna arrays up to 100 cm in diameter, with or without antenna feed ports.

The AMS-5707 utilizes ETS-Lindgren's EMQuest EMQ-100 Antenna Measurement Software as its data acquisition and analysis package. EMQuest EMQ-100 Antenna Measurement Software efficiently pulls together each piece of hardware to create a powerful test solution. EMQuest EMQ-100 offers a wide range of fully parameterized test methods for measuring passive antenna performance. However, active radiated performance for all 5G technology variants from mmWave radios to Massive MIMO base stations is the true forte of EMQ-100. Whether you are designing antennas for stand-alone applications or testing an embedded antenna system and radio module against any of the industry standard Over-the-Air (OTA) radiated performance test requirements, EMQuest EMQ-100 provides the flexibility to meet your testing needs.