

Model 3500D Wireless Test Lab



Description

The Model 3500D is a complete automated measurement system designed to meet the requirements of the CTIA Certification Program for Over The Air Performance. Applicable for testing virtually any wireless device, it includes a shielded anechoic chamber, a conical scan distributed-axis positioning system, broadband dual polarized measurement antenna and RF cabling. The Model 3500D is designed specifically to meet the expanded requirements of Version 3.3 of the CTIA Test Plan for Mobile Station Over The Air Performance that includes requirements for the LTE 700MHz, Cell, GPS, PCS and AWS-1 bands.

Features

- Free Standing Shielded Chamber requiring only 11ft 6in (3.5m) of vertical clearance
- Operating frequency of 700 MHz to 10 GHz
- 20 inch (50cm) Quiet Zone for Large Form Factor Devices
- Meets CTIA Certification Requirements for Version 3.3 of the test plan
- Fast, automated measurements of TIS, TRP, Efficiency and radiation patterns
- Compatible with both Rohde & Schwarz AMS32 and ETS Lindgren EMQuest OTA software
- Can be configured for MIMO measurements with dual theta axes

Characteristics

Frequency Range	700 MHz to 10 GHz
Quiet Zone Size	12 inches (30 cm) & 20 inches (50cm)
Range Length (maximum)	58 in (148cm)
Signal Level Ripple	< +/-1.5dB (Typ)
Measurement Uncertainty (due to ripple)	< 0.35 dB (30cm Quiet Zone-Typical) < 0.45 dB (50cm Quiet Zone-Typical)
Shielding Effectiveness	70dB Standard, 90dB Optional
SAM Phantom Head Orientation	Vertical
Maximum SAM Phantom Weight	35 lbs (16 kg)