

Model 4100D Wireless Test Lab



Description

The Model 4100D is a complete automated measurement system designed to meet the requirements of the CTIA Certification Program for Over The Air Performance. Applicable for testing most wireless devices, it includes a shielded chamber, two axis conical scan positioning system, RF cables, RF rotary joint and DUT support column. With a low frequency specification of 400MHz, the Model 4100 can be used to test both terrestrial DVB-H signals at 470MHz and satellite DMB signals at 2.6 GHz.

Features

- Free Standing Shielded Chamber requiring less than 14 ft (4.3m) vertical clearance
- Operating frequency of 400 MHz to 10 GHz
- 20 inch (50 cm) test zone
- Suitable for testing M2M wireless devices
- Meets CTIA Certification Requirements
- Fast, automated measurements of TIS, TRP, Efficiency and radiation patterns
- Compatible with both R&S AMS32 and ETS-Lindgren EMQuest OTA software
- Can be configured for MIMO measurements with dual theta axes

Characteristics

Frequency Range	400 MHz to 6 GHz
Quiet Zone Size	20 inches (50 cm)
Range Length	63.5 inches (161 cm)
Signal Level Ripple	< +/-2.0dB (Typical)
Measurement Uncertainty	< 0.45dB (Typical)
Test Method	Conical Cut
Maximum DUT Weight	35lbs (16kg) standard 500 lbs (227 kg) custom