

Model 4100 Wireless Test Lab



Description

The Model 4100 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 chamber, two axis conical scan positioning system, instrumentation and software. The Model 4100 is designed specifically to test both terrestrial DVB-H signals at 470MHz and satellite DMB signals at 2.6GHz.

Features

- Free Standing Shielded Chamber requiring only 15 ft (4.6m) vertical clearance
- Operating frequency of 400 MHz to 6 GHz
- 12 inch (30 cm) test zone
- Accommodates a SAM Phantom Head
- Meets CTIA Certification Requirements
- Fast, automated measurements of TIS, TRP, Efficiency and radiation patterns

Characteristics

Frequency Range	400 MHz to 6 GHz
Quiet Zone Size	12 inches (30.5 cm)
Range Length	60 inches (150 cm)
Signal Level Ripple	<+/-0.5dB (Typ), +/-1.5dB (Max)
Measurement Uncertainty	<0.3dB @ 95% Confidence
Test Method	Conical Cut
SAM Phantom Head Orientation	Vertical
Maximum SAM Phantom Weight	500 lbs (227 kg)

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