



Maxsys SmartFixture™ Series Advanced RF Shielded Test Chambers and Fixtures for Wireless/WLAN Products

Reduce manufacturing cost and achieve higher throughput with Maxsys' combination RF fixtures which are designed to streamline testing within a single fixture. These RF wireless appliance ATE fixtures test every aspect of the UUT, including RF, audio and optical using Maxsys' RF shielded chamber.

Salient Features

- Bus module support for wireless:
PCMCIA, CardBus, Compact Flash
- Access Point testing
- WiFi, WiMAX, Bluetooth, Cellular & PCS
- High isolation anechoic chamber
- Embedded controllers and PCs
- Hotswap UUT bus interface with full
RF shielding from external environment
- Automated fixturing with built-in PLC
- Ultra-high repeatability and reliability

Flexible DUT Fixturing

- User interchangeable DUT fixture 'nests'
- Radiated and direct mode Testing
- Actuation, optical/LED testing
- Board-level, module and assembled

RF Characteristics and Optional Features

- Range: DC-18GHz
- Isolation: Up to 100dB
- Ultra-flat over-the-air RF sensors
- RF absorptive coatings
- Optional RF-absorptive filling and baffling

Fully Customizable Options

- Custom chamber sizes available
- Standard or user-specified I/O plates
- RF blocking air inlet
- RF blocking fiber optic ports
- RF blocking USB inlets
- RF filtered connectors
- Custom fixture mounting facilities



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Maxsys ARTIC™ Series Advanced RF Shielded Chambers for Wireless Product Testing

To meet rigorous certifying, testing and manufacturing challenges for modern RF products, Maxsys created the ARTIC RF test chamber and fixture technology. This patented technology addresses ever-mounting issues with sensitivity, data rates and performance. ARTIC's best-in-class performance and reliability delivers major dividends by significantly improving time-to-market, product quality and manufacturing cost.

Solution Examples

- Wireless handsets
- Palm, tablet and laptop computers
- Bluetooth and 802.11 wireless products
- RF modules and network interface cards
- RF circuit card assemblies
- RF hybrid and IC products

RF Characteristics

- Range: DC-18GHz
- Isolation: Up to 100dB
- Ultra-flat RF sensors available

High-Technology Design

- Total RF shielding including I/O
- Metal RF gasketing
- Solid metal construction
- RF absorbing interior coatings
- RF and acoustic-absorptive kits

Exceptional Reliability

- Rugged all-metal construction
- Parts designed for continuous duty
- Maintenance-free teflon bearings

Fully Customizable

- Three standard and custom sizes available
- Standard or user-specified I/O plates
- RF blocking air inlet options
- RF blocking FO and filtered connectors
- Custom fixture mounting facilities

Standard Dimensions*

- Small: P/N 0100-1010-3-002
8.5" x 3" x 11"
- Medium: P/N 0100-1020-3-002
14.5" x 8.5" x 14"
- Large: P/N 0100-1030-3-002
21.7" x 12" x 18.7"

* All dimensions are approximate



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