JRE 0814

RF Shielded Test Enclosure

Upright chamber for tall, narrow devices — WiFi routers, access points, mesh nodes and other gear that stands up rather than lies flat.

Side-swing door with dual stainless hinges

AT A GLANCE

- Roomy **10.75 × 6.5 × 12.5 inches** inside (270 × 165 × 320 mm) in an **8" wide × 14" deep** upright package
- Excellent isolation: **−100 dB DC to 1 GHz, −95 dB to 3 GHz, −85 dB to 6 GHz**
- **Two shielded honeycomb vents** for cooling — optional fans for hot-running products
- **Removable, field-changeable C-size I/O plate** — reconfigurable as your test needs change
- Side-swing door with secure latch handle and dual stainless steel friction hinges
- Rugged welded aluminum construction; keyed locking latch available
- Optional **MW upgrade** extends isolation to 28 GHz for 5G FR2, UWB and WiFi 6E/7

DESCRIPTION

Testing tall devices? The JRE 0814 stands up to any test to 6 GHz — and to 28 GHz with the MW upgrade. Its upright form factor and wide side-swing door make loading and positioning easy, which is why this chamber finds wide use in the WiFi test environment.

Two shielded honeycomb vents provide excellent cooling, with optional fans for hot-running products; the honeycomb structure maintains shielding effectiveness throughout the frequency range. Rugged welded aluminum construction assures tight RF shielding effectiveness, and long-life door gasket material with our double-edge contact engagement gives solid shielding and smooth operation over the life of the chamber. Inside, LS-30 RF absorbing foam tames reflections and hot-spots.

Every JRE chamber uses a removable, CNC-machined I/O plate — a design JRE engineers originated over forty years ago. The C-size plate recesses into the chamber wall and does not intrude into your test volume. Because it swaps out in the field with a few screws, one 0814 can be reconfigured for many different test setups over its life. JRE's wide selection of filtered I/O interfaces — USB, Ethernet, power, HDMI and more — lets almost any device be connected inside while keeping the RF environment sealed tight.

SHIELDING ISOLATION

DC to 1 GHz	**−100 dB**
to 3 GHz	**−95 dB**
to 6 GHz	**−85 dB**

All JRE chambers, and many JRE filtered interfaces, can optionally be ordered with the MW upgrade for operation to 28 GHz at > 85 dB isolation. Contact the factory for details.

DIMENSIONS

Inside	**10.75" H × 6.5" W × 12.5" D** **270 × 165 × 320 mm**
Outside	**12.25" H × 8" W × 14" D** **310 × 205 × 355 mm**

WEIGHTS & SHIPPING

Weight	**12 lb / 5.5 kg**
Shipping weight	**14 lb / 6.4 kg**
Shipping carton	**18" × 16" × 13"** **460 × 410 × 330 mm**

I/O PLATE & CONNECTORS

Plate size	**JRE "C" size**
Plate opening	**7" × 7" (180 × 180 mm)**
Field changeable	**Yes**
Ventilation	**Two honeycomb vents**

Test chambers do not include RF connectors or interface filters. Any connection to a device inside the chamber must be suitably filtered to maintain shielding isolation.

FEATURES & BENEFITS

- Double-contact door shields ensure repeatable measurements
- 3/4" (19 mm) thick RF absorbing foam deadens standing waves and reflections; 90 °C rating, UL 94V-0 flammability
- Honeycomb vents maintain shielding across the full frequency range
- Also available in dual 19" rack format — see JRE 0814-2R

CONFIGURING YOUR CHAMBER

Choose from ready-to-go, in-stock C-size I/O plates with the most common filtered interfaces and connectors and your chamber can ship in just a few days — or have a custom plate designed in about a week with whatever connectors and filtered interfaces you need. Fans, vents, internal AC power strips and fiber optic connectors can all be accommodated. Use the Configuration Worksheet at jretest.com to organize your requirements.

JRE Test, LLC
75 Victor Heights Pkwy, Victor, NY 14564 · 585-298-9596 · sales@jretest.com · www.jretest.com

Made in USA