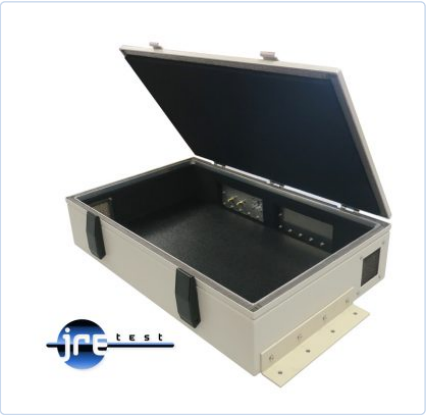
JRE 2214

RF Shielded Test Enclosure

Ultra low-profile chamber with two I/O plates' worth of connectors — a wide, flat footprint for thin devices that need a lot of connections.



Shown open; two A-size plate positions on a flat footprint

AT A GLANCE

- Roomy **3.75 × 20.5 × 12.5 inches** inside (95 × 520 × 320 mm) in a wide **22" × 14"** footprint just 5.25" tall
- Excellent isolation: **−100 dB DC to 1 GHz, −95 dB to 3 GHz, −85 dB to 6 GHz**
- **Space for two removable A-size I/O plates** — room for a high connector count without any height
- Generous **20.5"-wide interior** — bench area for boards, modules and multi-connector devices
- **Two built-in honeycomb vents** maintain shielding effectiveness; optional fan for additional airflow
- Dual latches ensure tight RF shielding; rugged welded aluminum construction
- Optional **MW upgrade** extends isolation to 28 GHz for 5G FR2, UWB and WiFi 6E/7

DESCRIPTION

Low-profile devices that need large amounts of I/O connectivity have found a home in the JRE 2214. With two A-size plates and a 20.5-inch-wide interior you can populate a broad mix of filtered interfaces and connectors — USB, Ethernet, power, DB-style, terminal strips — while keeping the box flat on the bench: a natural fit for boards and modules that need bench area but not height. Narrower footprint? See the JRE 1618.

Featuring rugged welded aluminum construction, you can be assured of its tight RF shielding effectiveness. Long-life door gasket material along with our double-edge contact engagement provides solid RF shielding and smooth, trouble-free operation over the life of the chamber. Inside, LS-30 RF absorbing foam tames reflections and hot-spots so measurements stay clean and repeatable.

Every JRE chamber uses a removable, CNC-machined I/O plate — a design JRE engineers originated over forty years ago. The two A-size plates plates recess into the chamber wall and do not intrude into your test volume. Because it swap out in the field with a few screws, one 2214 can be reconfigured for many different test setups over its life, using JRE's wide selection of filtered I/O interfaces — USB, Ethernet, power, HDMI and more.

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	**3.75" H × 20.5" W × 12.5" D** **95 × 520 × 320 mm**
Outside	**5.25" H × 22" W × 14" D** **135 × 560 × 355 mm**

WEIGHTS & SHIPPING

Weight	**16 lb / 7.3 kg**
Shipping weight	**20 lb / 9.1 kg**
Shipping carton	**28" × 17" × 9"** **710 × 430 × 230 mm**

I/O PLATES & CONNECTORS

Plate size	**Two JRE "A" size**
Plate opening	**2.75" × 6" (70 × 150 mm) each**
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) RF absorbing foam; 90 °C rating, UL 94V-0 flammability
- Heavy-duty triple stainless steel friction hinges
- Same low-profile style on a narrower footprint — see JRE 1618

CONFIGURING YOUR CHAMBER

Choose from ready-to-go, in-stock A-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. 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.

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