

JRE 2218

RF Shielded Test Enclosure

Large benchtop chamber with two B-size I/O plates — roomy enough to breeze through RFI and wireless testing of laptops and small-form-factor computers.



Single-handle door with dual latches and triple hinges

AT A GLANCE

- Roomy 13.5 × 20.5 × 17 inches inside (340 × 520 × 430 mm) in a 22" wide × 18.5" deep package
- Excellent isolation: -100 dB DC to 1 GHz, -95 dB to 3 GHz, -85 dB to 6 GHz
- Easily holds laptops and small-form-factor computers with room to spare
- Two removable B-size I/O plates for a wide selection of interfaces, reconfigurable as your test needs change
- Two honeycomb vents included — optional fans for hot-running systems
- Convenient single-handle door operation; dual latches and triple hinges ensure tight RF shielding
- Keyed locking latch available · optional MW upgrade to 28 GHz for 5G FR2, UWB and WiFi 6E/7

DESCRIPTION

Breeze through laptop RFI and wireless tests with the bigger-than-a-breadbox JRE 2218. Its large benchtop interior easily swallows laptops and small-form-factor computers, and the two B-size plates give you plenty of room for the connectors and filtered interfaces those systems need. For over-the-air work, pair it with a JRE test antenna such as the ANT-245 for WiFi and Bluetooth. Stepping up to larger devices? The clamshell JRE 2220A offers more room with fast top-opening access.

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 B-size 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 2218 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	13.5" H × 20.5" W × 17" D 340 × 520 × 430 mm
Outside	15" H × 22" W × 18.5" D 380 × 560 × 470 mm

WEIGHTS & SHIPPING

Weight	31 lb / 14.1 kg
Shipping weight	37 lb / 16.8 kg
Shipping carton	29" × 24" × 20" 740 × 610 × 510 mm

I/O PLATES & CONNECTORS

Plate size	Two JRE "B" size
Plate opening	4.5" × 7" (115 × 180 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 hinges; single-handle opening speeds tests
- Keyed locking latch available to secure devices inside

CONFIGURING YOUR CHAMBER

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