

## JRE 2525

# RF Shielded Test Enclosure

A large cube chamber for large RF devices — and light enough to ship worldwide by parcel carrier, with no freight pallet.



Extra-wide door opening eases placement of large devices

## AT A GLANCE

- Roomy 18 × 23.5 × 23.5 inches inside (460 × 600 × 600 mm) in a 25" × 25" cube footprint
- Excellent isolation: -100 dB DC to 1 GHz, -95 dB to 3 GHz, -85 dB to 6 GHz
- Only 52 lb — comparable chambers run over 100 lb
- Ships by UPS worldwide with no pallet, saving hundreds to thousands in crating and freight
- Two removable C-size I/O plates for a wide selection of interfaces, reconfigurable as your test needs change
- Two honeycomb vents standard, optional fans; keyed locking latch available · optional MW upgrade to 28 GHz

## DESCRIPTION

Originally designed for testing rack-mounted RF sensing equipment, the roomy JRE 2525 suits large wireless devices — mesh APs, cellular and LTE base stations, wireless laptops, fixtures for large RF modules. What sets it apart at this size is weight: at roughly 52 lb it ships by parcel carrier worldwide with no pallet, saving the crating and freight a 100-plus-pound chamber costs. For over-the-air work, pair it with a JRE test antenna such as the ANT-82 or ANT-245.

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 C-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 2525 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  | 18" H × 23.5" W × 23.5" D<br>460 × 600 × 600 mm |
| Outside | 19.5" H × 25" W × 25" D<br>495 × 635 × 635 mm   |

### WEIGHTS & SHIPPING

|                 |                                       |
|-----------------|---------------------------------------|
| Weight          | 52 lb / 23.6 kg                       |
| Shipping weight | 70 lb / 31.8 kg                       |
| Shipping carton | 31" × 31" × 26"<br>790 × 790 × 660 mm |

### I/O PLATES & CONNECTORS

|                  |                             |
|------------------|-----------------------------|
| Plate size       | Two JRE "C" size            |
| Plate opening    | 7" × 7" (180 × 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; extra-wide opening eases device placement
- Need more room? The JRE 2830 steps up to three I/O plates

### 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. Fans, vents, internal AC power strips and fiber optic connectors can all be accommodated. Use the Configuration Worksheet at [jretest.com](http://jretest.com) to organize your requirements.