

JRE 0814-A

802.11a/b/g Pre-Configured Test Enclosure

The upright 0814 chamber, arriving configured for 802.11a/b/g testing — filtered data, power and RF connections all fitted and tested.



Side-swing door; ships with the 802.11a/b/g I/O set

AT A GLANCE

- Configured for 802.11a/b/g work out of the box — WLAN gear, VoIP handsets, access points and similar wireless devices
- Two filtered DB9 data connectors, one at 100 pF and one at 1000 pF, covering a wide range of data rates — DB9-to-RJ45 adapter included
- Filtered 4-terminal barrier strip at 2500 pF for power — 100 VDC at 20 A, cover included
- Two SMA female bulkheads with tethered dust caps, plus two 2.4–5.8 GHz whip antennas for over-the-air work
- Roomy 9.5 × 6.5 × 12.5 inches inside (240 × 165 × 320 mm) in an upright package that suits tall devices
- 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

DESCRIPTION

The JRE 0814-A is the upright 0814 chamber delivered ready for 802.11a/b/g work — WLAN devices, VoIP handsets, access points and similar gear. Filtered data, power and RF connections are already fitted on its C-size plate and tested, so there is no plate to specify and no wait. A wide side-swing door with a durable latch handle makes loading tall devices easy.

The I/O set is chosen to cover a working bench. Two filtered DB9s — one at 100 pF, one at 1000 pF — handle a wide range of data rates, with a DB9-to-RJ45 adapter for Ethernet-style wiring. The 4-terminal barrier strip carries

power at up to 100 VDC and 20 A behind 2500 pF of filtering, and two SMA bulkheads plus a pair of 2.4–5.8 GHz whips cover over-the-air testing.

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.

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.

FITTED I/O SET

Data	Filtered DB9 ×2, 100 pF and 1000 pF
Adapter	DB9 to RJ-45
Power	4-terminal barrier strip, 2500 pF
	100 VDC @ 20 A, cover incl.
RF feedthroughs	Two SMA female bulkheads
Antennas	Two 2.4–5.8 GHz whips

Dust cover caps with tether chains on all RF connectors.

DIMENSIONS

Inside	9.5" H × 6.5" W × 12.5" D
	240 × 165 × 320 mm
Outside	11" H × 8" W × 14" D
	280 × 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

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 stainless steel hinges on a wide side-swing door
- C-size I/O plate (7" × 7") — field-changeable as your test needs change

CONFIGURING YOUR CHAMBER

Need a different configuration? The JRE 0814 is the same chamber with a field-changeable C-size plate, ready for any combination from JRE's line of filtered interfaces — USB, Ethernet, power, HDMI and more. Need two chambers in a rack, both configured this way? See the JRE 0814-2R-A.