



STE2900 - RF Shielded Test Enclosure

Our broad line of STE series Shielded Test Enclosures were already being used for virtually all wireless LAN device testing. But the daunting task was how to streamline the testing, while reducing the physical space required for simultaneous high volume testing. Our engineers started to work with a number of manufacturers to find out exactly what was needed.

Wow... multiple boards, blades, WAPS and other devices had to be physically mounted in close proximity. They couldn't "talk to each other", they couldn't "talk to the outside world", they had to run cool within their published specifications in a small confined space over a long period of time, there needed to be suitable filtered I/O connections, RF feedthroughs, RF isolation was critical, and there had to be a lot of them running simultaneously in a small lab. Pretty tall wish list but once again, Ramsey came through... with flying colors. Also available in a dual rack mount and shock mounted road case versions.



RF Shield Box STE2900 Key Benefits

- Wireless device testing
- Perfect for 802.11a, b, g
- Bluetooth, RFID, 3G testing
- Wide variety of I/O options

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT PRIOR NOTICE

Concentric Technology Solutions, Inc.
TEL: 817-503-8862 FAX: 817-503-8866 Email: CTS-Sales@ctscorp-usa.com Website: <http://www.ctscorp-usa.com>

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Testing Solutions for the Wireless Industry

STE2900 RF Shielded Test Enclosure Data Sheet

- Super isolation up to 18GHz
- Stock models to fit your custom applications

RF Shield Box STE2900 Specifications

- Designed for WLAN testing
- Front loading swing away door
- Dual ventilation or fan forced cooling
- Exclusive double lip RF tight gasket
- Universal I/O connector interface plate
- RF absorbent foam liner
- Optional security locking latch available
- Isolation:
 - -90dB @ 1GHz
 - -90dB @ 3GHz
 - -80dB @ 6GHz
- Dimension:
 - Outside: 11"H x 8"W x 14 "D
 - Inside: 10"H x 7"W x 13 "D

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Custom Configuration Options

RF FEEDTHROUGH:	BNC, TNC, SMA, SMB, UHF, Type-N
FIBER OPTIC:	Fiber optic bulkhead feedthrough, ST, FC
DUST COVERS:	Dust cover caps with security chains available for all RF feedthrough connectors
RF FILTERED DATA:	DB9 (10pF), DB9 (100pF), DB9 (1000pF), DB15 (100pF), DB15 (1000pF), DB25 (310pF), DB25 (1000pF), DB37 (310pF), DB37 (1000pF), RJ45/DB9 Filtered, RJ11/DB9 Filtered, USB1/DB9 Filtered
POWER CONNECTIONS:	4-Pole filtered barrier strip feed through, 6-Pole filtered barrier strip feed through, internal surge protected power strips (110VAC, 220VAC International)
VENTILATION OPTIONS:	Dual side mounted RF filtered vents with single filtered exhaust muffin fan, passive vent only
RF ABSORBENT FOAM:	Standard 1/2" thick RF absorbent foam liner provides 24dB attenuation. 3/4" thick foam is standard on the STE3800 and available as an option to provide a flatter response
FIBER TRANSCEIVER:	Icron Technologies USB 2.0 Fiber Transceiver System available for devices up to 480 MB/s

Note: RF Isolation specs are measured at 1M with terminated RF feedthrough coaxial connectors installed. Actual isolation & attenuation can be affected by adding additional filtered and non-filtered connectors. Check with us for specific connector specifications.

STE series I/O interfaces, connectors, and options are frequently updated. Check with us for updates.

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