



# Concentric Technology Solutions Inc

Testing Solutions for the Wireless Industry

STE2200F RF Shielded Test Enclosure Data Sheet

## STE2200F - RF Shielded Test Enclosure (Forensics Edition)

The STE2200F is designed specifically for securing and isolating cell phones and other small communications devices on-site for transport to your lab for evaluation. The moment the device is secured into the STE2200F it is isolated from the carrier's network and other RF signals preventing any incoming or outgoing communications, including GPS tracking information. An optional 12VDC filtered power input allows you to keep the device powered up using a standard vehicle power outlet. Filtered AC power interfaces are also available.

It is constructed to the same precision-machined tolerances as our larger models in order to maintain an exceptionally well shielded environment. Heavy duty, rugged .090 and .125 aluminum is used throughout and our double lip, high performance gaskets are used at all joints assuring a reliable RF tight closure. Oversized hinges and latches provide a physically tight seal every time. RF absorbent foam lines the interior to provide a typical RF attenuation of -90dB @ 3GHz. Tamper-proof hardware and a padlock lockable latch is used to maintain security. Even with its small size, the STE2200F will hold approximately 21 average-sized cell phones for secure RF isolated transport and storage.



### RF Shield Box STE2200F Key Benefits

- Wireless device testing
- Forensics Isolation
- Perfect for 802.11a, b, g, n, WiMAX
- Cellular, PCS, GSM, 3G testing
- 802.15, Bluetooth, Wibree, RFID, ZigBee testing
- Wide variety of I/O options are "standard"
- Super isolation up to 18 GHz
- RF radiating test fixture models for absolute repeatability testing of wireless devices
- Stock models to fit your custom applications

*SPECIFICATIONS SUBJECT TO CHANGE WITHOUT PRIOR NOTICE*

Concentric Technology Solutions, Inc.  
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### RF Shield Box STE2200 Specifications

- RF absorbent foam liner
- Exclusive double lip RF tight gasket
- Isolation:
  - -100dB @ 1GHz
  - -90dB @ 3GHz
  - -80dB @ 6GHz
- Dimension:
  - Outside: 4.5"H x 7.25"W x 9.75"D
  - Inside: 3.25"H x 6"W x 8.5"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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