



### STE2800 - RF Shielded Test Enclosure

Designed around the STE2200, we took the task of repeatability testing of TDMA, CDMA, AMPS, PCS and GSM phones, and other wireless communications to a new level. For more than a decade Ramsey's RTF Radiating Test Fixture was the standard in pager testing and alignment. Now, designed specifically for such communications devices, the RTF has a built-in embedded antenna to cover 800 MHz to 8 GHz. RTF is shown below in bottom right photo.

A heavy-duty universal clamp system allows any phone to be securely clamped into position for testing. Once clamped in, the flat coupling response, together with the high RF Isolation factor, gives you guaranteed repeatability testing. Phone to phone, the measurements will be exact, and will be taken under the identical conditions. A Type-N connector is provided standard on the STE2800 for the RTF antenna connection. Other I/O connector options may be ordered separately.



### RF Shield Box STE2800 Key Benefits

- Wireless device testing
- Perfect for 802.11a, b, g
- Bluetooth, RFID, 3G testing
- Wide variety of I/O options
- Super isolation up to 18GHz
- 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 STE2800 Specifications

- Integral RF radiating test fixture (RTF)
- Flat Coupling Factor 800MHz - 8 GHz
- Provides absolute repeatability testing
- Exclusive double lip RF tight gasket
- RF absorbent foam liner
- Easy release handle
- Steady-hold hinge
- 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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## Testing Solutions for the Wireless Industry

STE2800 RF Shielded Test Enclosure Data Sheet

### Custom Configuration Options

<b>RF FEEDTHROUGH:</b>	BNC, TNC, SMA, SMB, UHF, Type-N
<b>FIBER OPTIC:</b>	Fiber optic bulkhead feedthrough, ST, FC
<b>DUST COVERS:</b>	Dust cover caps with security chains available for all RF feedthrough connectors
<b>RF FILTERED DATA:</b>	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
<b>POWER CONNECTIONS:</b>	4-Pole filtered barrier strip feed through, 6-Pole filtered barrier strip feed through, internal surge protected power strips (110VAC, 220VAC International)
<b>VENTILATION OPTIONS:</b>	Dual side mounted RF filtered vents with single filtered exhaust muffin fan, passive vent only
<b>RF ABSORBENT FOAM:</b>	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
<b>FIBER TRANSCEIVER:</b>	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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