

Inflatable RF/EMI Shielded Tent

Select Fabricators' Inflatable RF/EMI Shielded Tents allow rapid set up and break down for quick deployment when and where RF Shielding is required. As an affordable alternative to traditional hard wall chambers, SFI's soft wall enclosures match shielding effectiveness in comparison. Independent testing to IEEE® 299 of a complete assembled tent system including installed components, resulted in a minimum signal attenuation of -85 dB over a range of frequencies from 20 MHz to 40 GHz measuring through the wall at multiple locations. Customers can choose from a SFI standard size enclosure or any other custom options.

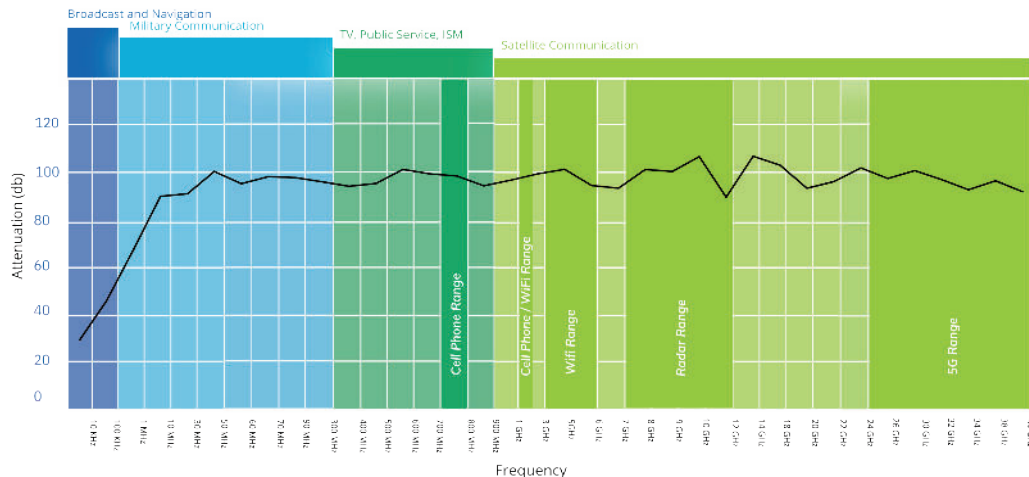


Optimum Protection

Manufactured using NovaSelect™ silver/copper/nickel conductive fabric and utilize single door (US Pat. No. 9,029,714) or double door (US Pat. No. 8,530,756) patented seal system. The double magnet strip closure delivers maximum isolation.

Construction

Made in the USA with Nova Select™ fabric. Nova Select™ is a silver/copper/nickel conductive fabric with an average shielding effectiveness of over -95 dB in the range of 20 MHz to 40 GHz. Optional penetrations can have an effect on the overall shielding performance. Berry Amendment compliant fabrics available.



Applications

EMC Testing

Secure Communications

RF Isolation

Wireless Device Testing

Inflatable RF/EMI Shielded Tent



Series 700 Frames

5" Diameter Lightweight Air Berm Frame. Can be inflated using supplied electric air pump with locking connector or with compressed air using air filler hose. Includes high pressure relief valve.



Patented Door Closure System

Using two strips of heavy-duty flexible magnet to create a tight conductive seal, allows attenuation levels to exceed -90 dB. Single door (US Pat 9,029,714) or double door (US Pat 8,530,756).



IO Filter Plates and Panels

Integrated IO filter plates with standard or high-performance power filters. Can include filters for Ethernet, USB, SMA, BNC, N-Type, Fiber Optics and more.



Honeycomb Vent Panel

Optional ventilation provided by RF shielded honeycomb vents and fan. The unit is designed to provide air circulation while suppressing unwanted RF/EMI interference.

Specifications

- Standard size patented double magnet door size: 32" x 62"
- Heavy duty tarp flooring to protect the conductive floor
- Certificate of shielding effectiveness at 918 to 930 MHz
- Complete assembly instructions
- One-year limited warranty
- Air pump included -4 HP 120 Volt AC, 6 lbs

Options

- Custom size door
- Shielded windows
- Single or double layer of shielding fabric
- RF/microwave absorbing foam
- I/O filter plates
- EMI hardened lights
- In-house or independent IEEE 299 (1-18 GHz testing of completed enclosure)
- Custom engineering/design of enclosure
- Sound masking systems

Transport

- Pelican storage cases
- Shipping cases
- Airline compatible travel cases

Liners

- Flame retardant/resistant liner
- ESD liner to provide static control
- Sound reduction/absorbing lining
- Exterior covers for outdoor deployment

INFLATABLE RF/EMI SHIELDED TENT MADE WITH DOUBLE WALL NOVASELECT™				
External Enclosure Size			Weight	
Length	Width	Height	lbs	
3'	5'	7'	38	
5'	5'	6'6"	45	
6'	7'	7'	50	
7'	7'	6'6"	55	
9'	9'	6'6"	70	