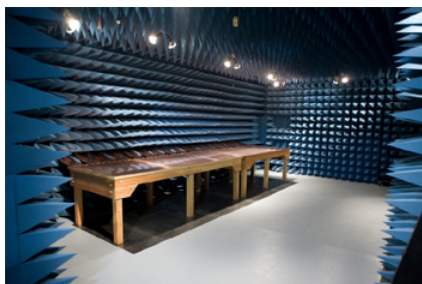


MIL-STD CHAMBERS MIL-STD 461 Chambers

ETS-Lindgren's MIL-STD-461 chamber is designed for testing in accordance with Mil-Std 461E, Mil-Std 461F and Mil-Std-461G. The chamber's shell is constructed with Series 81™ modular cell-type shielding panels.



ETS-Lindgren's MIL-STD-461 chamber is designed for testing in accordance with Mil-Std 461E, Mil-Std 461F and Mil-Std-461G. The chamber's shell is constructed with Series 81™ modular cell-type shielding panels. Interior end walls, portions of the sidewalls and ceiling are lined in the manner required by MIL-STD-461, using EMC-24PCL absorber.

Key Features

- 10kHz – 40GHz RE102 and RE103 frequency range
- Minimum Chamber Performance:
 - 6dB reflectivity Loss from 80MHz to 250MHz
 - 10dB Reflectivity Loss Above 250MHz
- Conducted Emissions
- Conducted Susceptibility
- Radiated Susceptibility
- RF Specifications:
 - RE: 30 Hz – 40 GHz
 - RS: 30 Hz – 40 GHz

Specifications

Electrical Specifications

Frequency Minimum: 10 kHz
Frequency Maximum: 40 GHz

Physical Specifications

Internal Working Area Length: 4.267 m (14.00 ft)
Internal Working Area Width: 4.267 m (14.00 ft)
Internal Working Area Height: 2.438 m (8.00 ft)
Shield Room Inner Length: 5.486 m (18.00 ft)
Shield Room Inner Width: 5.486 m (18.00 ft)
Shield Room Inner Height: 3.048 m (10.00 ft)
Overall Structure Length: 5.791 m (19.00 ft)
Overall Structure Width: 5.791 m (19.00 ft)
Overall Structure Height: 3.352 m (11.00 ft)

Other Specifications

- Design and Fabricate Series 81 RF Shielded Enclosure with Interior Shield-to-shield Dimensions 5.49 m L x 5.49 m W x 3.05 m H (18.0 ft x 18.0 ft x 10 ft)
- One (1) Series 201 Single-leaf, RCM, Manually Operated, RF Shielded Door 1.21 m W x 2.13 m H (4 ft x 7 ft), Door will be Strategically Located in an Area without Absorber, Including Limit Switch to Accommodate Optional Immunity Interlock Switch
- One (1) Test Bench, 3.51 m L x 0.91 m W x 0.91 m H (11 ft 6 in x 2 ft 11 in x 2 ft 11 in) with Grounding Attachments to Chamber End Wall per MIL-STD-461E/F/G
- ETS-Lindgren EMC-24PCL Pyramidal 24 in Absorber on the Chamber End Walls and Partial Areas of the Ceiling and Side Walls
- Two UL-listed 2 x 30 Amp, 60 Hz power-line filters; One for Lights, One for Power to EUT (Wiring and Electrical Distribution not included)
- One Door Maintenance Kit
- Two (2) Waveguide Vents, 0.31 m x 0.61 m (12 in x 24 in)
- .15 mm (6 mil) Polyethylene Vapor Barrier
- 3.0 mm (.125 in) Thick Dielectric Floor Underlay with 3.0 mm (.125 in) Vinyl Floor Tile
- Guaranteed Performance and a Five-year Limited Warranty; One-year Warranty on Doors, Filters and Moving Parts; Two-year Warranty on Optional ETS-Lindgren's Equipment
- One (1) Threaded Brass Ground Stud, 1.3 cm Diameter x 12.7 cm Long (.5 in x 5 in)
- Four (4) Incandescent Corner-mounted Light Fixtures with Incandescent Floodlights (Electrical Distribution not Included)
- Two (2) Connector Panels, 15.2 cm x 61 cm (6 in x 24 in)
- Shield Test per MIL-STD-285, One Frequency Test at 1 GHz

Product Charts

