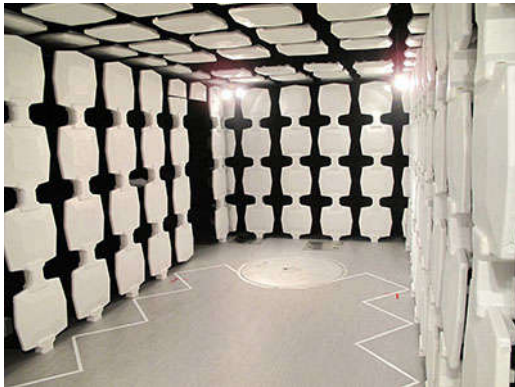


SPACESAVER™ 26H CHAMBER

The SpaceSaver™ 26H is an RF-shielded semi-anechoic chamber providing a multi-purpose environment for radiated immunity and pre-compliant emission testing.



and design and debugging applications.

The SpaceSaver™ 26H is an RF-shielded semi-anechoic chamber providing a multi-purpose environment for radiated immunity and pre-compliant emission testing. This compact chamber provides an anechoic test environment that supports testing up to 40 GHz with anechoic performance equal to or better than that required for radiated immunity testing per most standards including IEC, pre-compliant emission testing,

Validation of the RF shielded enclosure is performed at 1 GHz plane wave field. Optional shielding enhancements are available for increased RF attenuation above 10 GHz. Validation above 1 GHz is also optional, if desired.

Key Features

- Conducts emissions measurements and EMI/EMC measurements
- Ultra Broadband Frequency Range: 26 MHz to 40 GHz
- Radiated Immunity Compliance
 - IEC 61000-4-3
- Radiated Emissions Pre-Compliance
 - Semi Anechoic (Pre-Scan)
 - ANSI C63.4/CISPR 16-1-4
 - Fully Anechoic
 - CISPR 16-1-4 (Fixed Height)
- Turnkey Chamber Solutions

Specifications

Electrical Specifications

Frequency Minimum: 26 MHz

Frequency Maximum: 40 GHz

Physical Specifications

- Scan Height:** 1 m to 2 m (3.3 ft to 6.6 ft)
- Overall Structure Dim (H):** 3.2 m (10.50 ft)
- Overall Structure Dim (L):** 7.8 m (25.59 ft)
- Overall Structure Dim (W):** 3.8 m (12.47 ft)
- Internal Working Area (L):** 7.6 m (24.93 ft)
- Internal Working Area (W):** 3.1 m (10.17 ft)
- Internal Working Area (H):** 3.1 m (10.17 ft)
- Quiet Zone for Emission Testing (Diameter x H):** 1.2 m x 2.0 m (3.9 ft x 6.6 ft)
- Field Uniformity:** 0 to 6 dB; 1.5 m x 1.5 m (4.92 ft x 4.92 ft)

Additional Specifications

- Two Connector Panels, 15 cm x 61 cm (6 in x 24 in) Clear Opening
- Four corner-mounted Light Fixtures with LED lights
- 4 x 2 x 30 Amp, Power-Line Filters For Lights And EUT (Wiring Not Included)
- Manual 4' x 7' RF-shielded single-leaf door w/ limit switch
- Two Waveguide Vents, 30.48 cm x 30.48 cm (12 ft x 12 ft) in the Ceiling
- Shield Test Per IEEE-299/MIL-STD 285
- One 3.81 cm (1.5 in) Pipe Penetration with Flange Nuts and Cap
- 7-TR Tripod
- Two "N" Type Connectors
- One 4 cm (1.5 in) Pipe Penetration With Flange Nuts And Cap

Product Options

- Sliding Doors for Flush-threshold Opening
- Fire Detection and Suppression Systems
- Immunity Interlock Switch
- Chamber Testing (See Performance Tables)
- Heating, Ventilation, & Air Conditioning (HVAC) Systems
- Electrical Distribution
- CCTV Monitoring System
- Raised Reflective Ground Plane Floor System
- Various sizes of RFD-60 RF Shielded Doors
- Intercom System
- Structural Design Calculations and Certification
- Additional Filtering
- Polystyrene Wall Covering Over Ferrite
- Antennas
 - Immunity Only
 - 3109 Biconical
 - 3148B Log Periodic
 - Emissions Only
 - 3110C Biconical
 - 3148B Log Periodic
 - Immunity and Emissions
 - 3104C Biconical (50 w max)

- 3142D Log Periodic
- Towers and Tripods
 - Immunity Only
 - 4-TR Tripod
- Positioners
 - Low Reflective Table
 - 2165-1.21, LoPro 1.2 m Diameter
 - 2188-1.23, 1.2 m Diameter; Requires 160 mm (6 in) Raised Floor
 - 2188-1.53, 1.5 m Diameter; Requires 160 mm (6 in) Raised Floor
- Probes
 - HI-6005
 - HI-6105

