

MIL-SPEC

Semi Anechoic EMC Chamber

The MIL-SPEC Chamber is a shielded room designed specifically for emission and immunity testing of electrical products. The MIL-SPEC features a 1-meter testing distance, a combination of ferrite and hybrid pyramidal absorbers for acoustic damping, and a modular construction system for simple disassembly and transport. MIL-SPEC Chambers are also equipped with LED ambient lighting and EMC protection, with the option of TEMPEST shielding. Our chambers are available in any size and can be custom designed with various materials and colors.

Key Features

- Modular Panel System
- Shielded EMC Doors
- Ferrite and Hybrid Absorbers
- Fully Customizable
- Meets Industry Standards
- EMP GRIDLOCK™ Technology

High-Absorption Environment

Faraday Defense chambers provide an interference-free and simulated free-space environment. We design this highly customized product based on our clients' specifications and according to the absorption they require. With many available add-on options, we guarantee optimal performance and client satisfaction.

Additional Options

- Acoustics damping
- LED ambient lighting
- Air conditioning
- Test benches
- Turntable
- Fire detection
- DC Sockets
- Filters & Audio communication
- RF vestibules
- RF power line filters
- Internal electrical distribution
- RF signal filters
- Honeycomb waveguide air vents
- Bulkhead connector panels
- Waveguide pipe penetrations
- Custom frequency ranges

Shielding Performance

Magnetic	55 dB @ 10kHz; 95dB @ 200kHz; 100 dB @ 1 MHz.
Electric	100 dB from 15 kHz to 100 MHz
Planewave	100 dB from 100 MHz to 1 GHz
Microwave	100 dB at 10 GHz
Full Compliant Emission	MIL-STD-461
Environmental Standards	DO-160

Two-Year Warranty

All Faraday Defense chambers come with a two-year limited warranty against defective materials and craftsmanship and to retain the specified RF shielding effectiveness.