

# Cyber Security Chamber

A Cyber Security Chamber is a shielded room designed with additional isolation technology as well as custom testing modifications. Our CS Chambers are designed with a modular construction system for simple disassembly and transport. All chambers are equipped with EMC protection, with the option of TEMPEST shielding. CS Chambers are available in any size and can be custom designed with various materials and colors. LED ambient lighting and acoustic damping are also available.

## Key Features

- Modular Panel System
- Shielded EMC Doors
- Person Recognition System
- 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

<b>Magnetic</b>	20 dB at 1 kHz to 55 dB at 10 kHz and 95 dB at 200 kHz
<b>Electric</b>	100 dB from 200 kHz to 50 MHz
<b>Planewave</b>	100 dB from 50 MHz to 1 GHz
<b>Microwave</b>	100 dB at 10 GHz

## Industry Standards

<b>Shielding Effectiveness</b>	IEEE-STD-299
<b>Design, Supply, and Installation</b>	ITSG-02
<b>Airborne Sound Transmission Loss</b>	ASTM E90
<b>Sound Transmission Loss</b>	ASTM E366
<b>Sound Insulation</b>	ASTM E413
<b>Engineering and Design Criteria</b>	ASTM E1925-01

## 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.