

# TEMPEST

## Shielded Room

TEMPEST is a shielding process for protecting equipment that is carrying classified information. All electronics generate electromagnetic radiation (EMR). This radiation can be easily intercepted and deciphered into data without directly accessing the device. TEMPEST shielding blocks EMR emanations from reaching other devices that can be used to interpret sensitive information. TEMPEST can be installed as a self-supported chamber or can be fitted to an existing room. Our TEMPEST shielding meets all necessary NATO standards for three levels of protection. Each installation is independently tested and certified.

### 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.