



## EMC Chambers for Military and Automotive

All Raymond EMC's chambers are built using our modular RF shielded enclosure system and can include any of our RF shielded doors. We choose from a wide selection of absorber materials and ferrite tile to best suit the application.

### QuietChamber™ MIL

QuietChamber™ MIL is purpose-built with RF absorbers that meet military standards to MIL 461, and DO 160 as an option. This product is also available as a hybrid solution.

### QuietChamber™ CISPR 25

QuietChamber™ CISPR 25 is purpose-built with RF absorbers that meet automotive standards, with ISO 11452-2 as an option.

 **QuietChamber**  
by REMC

[WWW.RAYMONDEMC.COM](http://WWW.RAYMONDEMC.COM)

## Key features

### Full turnkey solutions

Raymond EMC provides turnkey solutions that start with design and continue through to onsite installation and RF Shielding Effectiveness certification. We also build in all electrical, HVAC, life-saving system and seismic requirements.

### Versatile design capability

Raymond EMC's modular system is adaptable, and can be configured to meet unique client requirements.

### Client satisfaction

We provide unmatched client care and product support through the design, fabrication and installation process. Our dedication to excellence leads to long-term customer relationships.

## Complete line of options:

- RF vestibules
- RF power line filters
- Internal electrical distribution
- RF signal filters
- Honeycomb waveguide air vents
- Bulkhead connector panels
- Waveguide pipe penetrations
- Architectural finishes
- Functional finishes
- Turntables
- EMC benches
- Custom frequency ranges

## RF shielding performance

<b>Magnetic</b>	55 dB @ 10kHz; 95dB @ 200kHz; 100 dB @ 1 MHz
<b>Electric</b>	100 dB from 15 kHz to 100 MHz
<b>Planewave</b>	100 dB from 100 MHz to 1 GHz
<b>Microwave</b>	100 dB at 10 GHz

## Compliance with industry standards (MIL 461)

<b>MIL STD 461</b>	United States military standard that describes how to test equipment for electromagnetic compatibility
<b>*DO 160</b>	Environmental conditions and test procedures for airborne equipment standard for the environmental testing of avionics hardware

\*Optional standard

## Compliance with industry standards (CISPR 25)

<b>CISPR 25</b>	Radio disturbance characteristics for the protection of receivers used on-board vehicles and boats
<b>*ISO 11452-2</b>	Road vehicles: Component test methods for electrical disturbances from narrowband radiated electromagnetic energy – Part 2: Absorber-lined shielded enclosure

\*Optional standard



## Two-year warranty

All Raymond EMC chambers come with a two-year limited warranty against defective materials and craftsmanship and to retain the specified RF shielding effectiveness. Extended warranties are available.

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