

Reverb Chambers

Raymond EMC's QuietChamber Reverb is a shielded enclosure for RF testing available in steel or higher Q-factor materials. This product requires less input power than other EMC chambers and complies with IEC 61000-4-21, RTCA/DO-160 and MIL-STD-461.

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
- Custom frequency ranges

RF 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

Available in various formats

- Lowest usable frequency (LUF) 80 MHz
- LUF 200 MHz
- LUF 400 MHz
- LUF 1000 MHz

Compliance with industry standards

IEC 61000-4-21	Testing and measurement techniques – radiated, radio-frequency, electromagnetic field immunity test
RTCA/DO 160	Environmental conditions and test procedures for airborne equipment standard for the environmental testing of avionics hardware
MIL STD 461	United States military standard that describes how to test equipment for electromagnetic compatibility



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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