



Air Force Research Laboratory

Information Directorate

RF Technology Lab

Purpose

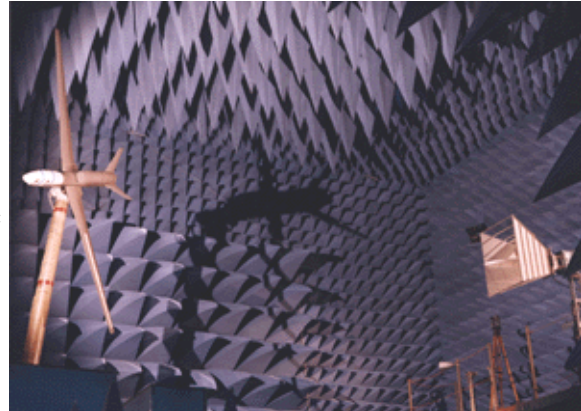
Provides a unique electromagnetic (EM) measurement capability to support a broad range of EM technology developments and electromagnetic environmental effects (E3) assessments and to determine the electromagnetic performance of C4ISR warfighter systems.

Description

The facility consists of fully automated electromagnetic measurement and research areas two anechoic chambers, two reverberation chambers, RF source, instrumentation and support equipment. The RF source equipment is capable of generating 1000 volt/meter CW field strength over frequency ranges from 10KHz to 18GHz. High speed computer systems provide full measurement control, data collection and processing capabilities. The two anechoic chambers (40ft x 32ft x 48ft and 12ft x 36ft) provide a "free space" electromagnetic environment for detailed evaluation. Two reverberation chambers (32ft x 17ft x 12ft and 3.8ft x 4.7ft x 4.9ft) provide a "quick look", frequency culling evaluation capability for RF coupling and shielding effectiveness measurements.

Availability

Available for partnering, leveraging and Cooperative Research and Development Agreements for DoD and non-DoD agencies and industry.



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