

Wi-Fi Verification Chamber



ETS-Lindgren's Wi-Fi Verification Chamber is designed to provide a minimally-sized chamber for WiFi Verification Testing, designed to test and certify the interoperability of Wi-Fi devices. This chamber is in general accordance with MIL-STD-285/ IEEE-299 at 1 GHz planewave field, with a RF-shielding attenuation of 100 dB at 10 GHz and average absorber reflectivity of 15 dB above 700 MHz.

This chamber facilitates the rapid development of new test plans and enables faster testing, thus reduces reduces costs while helping to assure users of the interoperability and quality of Wi-Fi devices.

[Read more](#) about how the Wi-Fi Alliance used this chamber to address their wireless test technology needs, with the aim of enhancing the user experience for wireless portable, mobile and home entertainment devices. The Wi-Fi Alliance's testing and certification programs help ensure the interoperability of WLAN products based on the IEEE 802.11 specification.

Key Features

- In General Accordance with MIL-STD-285 / IEEE-299 at 1 GHz planewave field
- RF-shielding Attenuation of 100 dB at 10 GHz
- Average Absorber Reflectivity of 15 dB above 700 MHz.
- Designed to Perform Ei-Fi Verification Testing; WPA and WPA2, WMM
- Shielding Performance of 100 dB from 200 kHz to 50 MHz (Electric Field)

Specifications

Physical Specifications

Inside Shield Dimensions (Nominal): 8 ft x 8 ft x 8' ft (2.44 m x 2.44 m x 2.44 m)
Overall Chamber Dimensions: 8 ft 8 in x 8 ft 8 in x 8 ft 9 in (2.64 m x 2.64 m x 2.67 m)
(other sizes are available upon request)

Product Options

- Optional Seismic Package Includes seismic design, bracing, and engineering stamp; typically required for chamber installations in seismic zones
- Upgrade to 70 GHz RF Shielding System Includes RFD-F/A-100 personnel door, 1/8 honeycomb vents with vent hood extensions, of filter foam over vents, and upgrade of the power line filter to LRX Series.

Product Configuration

- RF Shielding
- RF Shielded Door
- Waveguide Air Vents (treated with filter foam)
- Power Line Filters (Dual-line UL listed 2x30A 50/60 Hz power line filters)
- Lighting (LED track light fixtures)