

EMI Testing Package

- ▶ **More than just testing, our engineer-friendly environment provides everything you need to measure EMI.**
- ▶ Can your product survive a static shock? a lightning strike? Does it emit signals that may disrupt nearby equipment? Electromagnetic Interference testing evaluates emissions given off by your product, as well as your product's tolerance for EMI disturbance, allowing you to demonstrate compliance and know the product's limits.

Overview of Package



Why EMI?

- ▶ EMI chamber blocks outside signals to measure your equipment's emissions over a broad range of frequencies
- ▶ Ensure EMI compliance at a fraction of the cost of expensive qualification testing
- ▶ Develop and test solutions to EMI problems at early phases: design, proof of concept, prototype, and pilot manufacture

What's Included?

- ▶ 1 hour initial engineering consultation to determine needs and design test plan
- ▶ 1 day of testing in our ETS Lindgren Anechoic Chamber (additional time based on half-day increments)
- ▶ Profile setup and ongoing support from an expert technician during testing
- ▶ Detailed test report document (sample available upon request) containing top-level analysis of faults found and suggested mitigation strategies

Specs: ETS Lindgren Anechoic Chamber

- ▶ 1 meter semi-anechoic
- ▶ Radiated emissions calibrated from 30Hz to 7GHz (data for 30Hz to 8GHz)
- ▶ Conducted emissions calibrated from 150kHz to 200MHz (data for 20Hz to 500MHz)
- ▶ Antennae, spectrum analyzer, and other equipment to measure and test EMI, including
 - | ETS Lindgren Antennas (3104C Biconical 20-200MHz, 3148B Log Periodic Dipole 200MHz-2GHz, 3117 Double-Ridged Guide 1 GHz-18GHz)
 - | Rhode & Swartz EMI Test System 20Hz-8GHz
 - | Haefely Technology Onyx 16 ESD Gun 16kV
 - | 6811V AC Power Source / Power Analyzer
- ▶ Additional electrical testing and repair equipment available upon request

| [Facility and Contact Information](#)

Videon's Facility and Staff

- ▶ 32,000 sq ft facility including 10,000 sq ft ESD-safe manufacturing wing
- ▶ Clean, bright, environmentally-controlled workspace
 - | Temperature controlled burn-in room
 - | Segregated and locked location for customer-owned inventory
 - | Available office space, meeting rooms, and employee amenities such as kitchen, gym, and theatre
- ▶ Experienced staff, including:
 - | Customer Care team ensuring that we meet your needs
 - | Dedicated contact to address concerns and answer questions
 - | Highly-trained engineers and technicians on-site to troubleshoot and support projects
 - | IPC610 Certified Assembly Team

Additional Equipment

- ▶ Haefely ESD Simulator
- ▶ Logic Analyzers
- ▶ Oscilloscopes
- ▶ Electro-Sensitive Device (ESD) protective environments

Additional Services

- ▶ Testing Services including HALT, Temperature and HASS
- ▶ New Product Introduction
- ▶ Contract Manufacturing
- ▶ Service and Repair

Regulatory Compliance Standards

- ▶ Highly experienced with aviation standards including RTCA DO-160 (FAA), Boeing D6-36440, Airbus ADB0100
- ▶ Military experience and qualifications including MIL-STD-461/810; Registered ITAR and SAM; United States / Canada Joint Certification Program
- ▶ Experienced with consumer standards including FCC, CE, VCCI, ISO and UL
- ▶ AS9100C Quality Management
 - | Fully incorporates ISO 9000
 - | Ensures production of high-quality products
 - | Supports customer satisfaction through continuous improvement and risk mitigation
- ▶ AS9102 First Article Inspection
- ▶ Process Failure Mode Effects Analysis (PFMEA)
- ▶ Willing to apply our expertise to the requirements of additional industries, standards, and regulations.



Interested? Contact Us

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