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# EMI/EMC AND ESD TESTING SERVICES

Full-service compliance testing to meet emissions, immunity, and susceptibility requirements

# EMI/EMC AND ESD TESTING SERVICES

## Comprehensive EMI/EMC Compliance Test Services Woburn, Massachusetts

Chomerics is the first choice in EMI shielding and thermal management solutions for telecommunications, information technology, medical devices, automotive, military, commercial and consumer electronics. We offer full service compliance testing to meet emissions, immunity, susceptibility and safety requirements. We can immediately solve virtually any EMI/EMC and safety problem that testing may reveal, and recommend cost-effective solutions to reduce your product's time to market.



*Radiated immunity test chamber  
(80 MHz - 2.7GHz)*

### Core Competencies

#### Commercial Equipment Testing and Certification

Our depth of experience and constant exposure to real-world EMI/EMC and safety problems in the commercial marketplace proves vital to our customers when it's time to test, particularly when deadlines are near. If emission or immunity problems are found, we're in a position to fix them quickly. With on-site EMI design engineers and materials manufacturing, a cost-effective manufacturable solution can generally be integrated into your system.

#### Emissions

- FCC Part 15; CISPR 11, 14, 22; EN 55011, EN 55022
- IEC/EN 61000-3-2, 61000-3-3
- Industry Canada, VCCI, AUSTEL/NZ
- Korea KN

#### Immunity

- IEC/EN 61000-4-2
- IEC/EN 61000-4-3
- IEC/EN 61000-4-4
- IEC/EN 61000-4-5
- IEC/EN 61000-4-6
- IEC/EN 61000-4-8
- IEC/EN 61000-4-11

#### Laboratory/Industrial

- IEC/EN 61000-6-1,2,3,4
- IEC/EN 61326-1
- IEC/EN 61010-1
- CSA C22.2 No. 61010-1
- Most 61010-2 product specific standards

#### Information Technology

- CISPR 24; EN 55024
- EN 300 386
- IEC/EN/UL60950-1
- CSA22.2 No. 950 60950-1

#### Medical Equipment Compliance

- IEC/EN 60601-1-2
- IEC/EN 60601-1-2nd & 3rd Edition
- UL60601-1, CSA C22.2 No. 601.2-M90
- Most 60601-2 product specific standards
- Most 60601-1 Collateral Standards
- ISO 14971 Risk Management Five Review\*

#### Design Services\*

- Electronics packaging and board level design
- Safety construction review
- EMC/Safety components advice
- Prototype fabrication assistance
- Test plans/procedures

# REDUCE YOUR PRODUCTS' TIME TO MARKET

Military avionics equipment qualification (Woburn) Military testing provided in accordance with:

- RTCA DO-160B/C/D/E/F\*
- MIL-STD-461/C/D/E/F
- RS03, RS103 200 V/M to 40 GHz
- MIL-STD 704\*

Chomerics is unrivaled in testing to MIL-STD specifications for electromagnetic susceptibility and emissions.

Our expert team of test technicians, applications engineers, scientists and EMI/EMC engineers not only test your system to military specifications, but also integrate the proper MIL-STD qualified materials if EMI problems are encountered.

## Shielding Effectiveness Testing

- ARP1705, ASTM 4935 (Transfer Impedance)\*
- MIL-DTL 83528\*
- IEEE -STD-299\*

## Technical seminars\*

- EMI/EMC design
- Safety Design
- EMC/Safety compliance for CE mark

\* Not included in Chomerics A2LA scope of accreditation

## Typical Testing Applications

- Medical equipment
- Controllers
- Information technology, PC's, disk drives, printers
- Network systems
- GPS and handheld devices
- Vehicle electronics
- Toys, games consumer devices
- Laser systems
- Fluorescent lighting
- Night vision equipment
- Audio/video equipment
- Military/commercial avionics
- Medical equipment, including FDA 510(k) certification
- Test measurement and laboratory equipment
- Semiconductor processing equipment



Open field test site (3-10M)

## Accreditations

- FCC
- Industry Canada
- VCCI
- NARTE
- A2LA



Certificate #1980.01

# PARKER CHOMERICS LOCATIONS

To place an order please visit [parker.com/chomerics](http://parker.com/chomerics) or contact a Customer Service Representative at the following locations:

## North America

### Parker Chomerics Global Division Headquarters

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Woburn, MA  
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Fax +781-933-4318  
[chomailbox@parker.com](mailto:chomailbox@parker.com)

Product Disclosure  
(ROHS/REACH, Material  
Declarations, SDS)  
[choproductdisclosure@parker.com](mailto:choproductdisclosure@parker.com)

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## Manufacturing Facilities

- Woburn, MA, USA
- Hudson, NH, USA
- Fairport, NY, USA
- Monterrey, Mexico
- High Wycombe, UK
- Frépillon, France
- Sadska, Czech Republic
- Kuala Lumpur, Malaysia
- Chennai, India
- Shanghai, China
- Shenzhen, China