

NTS Services Spotlight: EMC / EMI

Specialists in Engineering | Evaluation | Testing Services



**EMI Chamber
in Silicon Valley, CA**



**NEMP Generator meets
MIL-STD-461 RS 105**



**Semi-Anechoic Chamber
in Tempe, AZ**

EMC / EMI Experts

NTS is known worldwide as the industry leading provider of Electromagnetic Compatibility (EMC) and Electromagnetic Interference (EMI) engineering and compliance services. Our Subject Matter Experts offer your company integrated design, analysis, testing and evaluation services, reducing your product development costs and time to market.

Your Challenges

The frenetic pace of business requires smart solutions to the numerous challenges you face in getting your electronic product to market. Challenges like:

- ▶ Launching your product in a new market with unfamiliar compliance requirements.
- ▶ A design team stretched to the limit to meet short development time lines.
- ▶ A client demanding that your product meet more stringent requirements which your engineering team has no experience with.

NTS can help you meet these challenges and more.

The NTS Solution

Whatever you require to speed your product to market — engineering, design analysis, testing, technical training — NTS will customize solutions to meet all of your needs. We offer a wide range of EMC and EMI services to seamlessly take your design from concept to final product.

Our Program Managers and Subject Matter Experts work closely with you, conducting extensive technical reviews to determine your needs and structure your solution.

A Reputation You Can Trust

NTS has been in business for almost fifty years, and we have solid credentials. We are on OSHA's list of Nationally Recognized Testing Laboratories, we've been recognized as a Verizon Independent Test Laboratory (NEBS Program), and we have ISO/IEC 17025 accreditation.

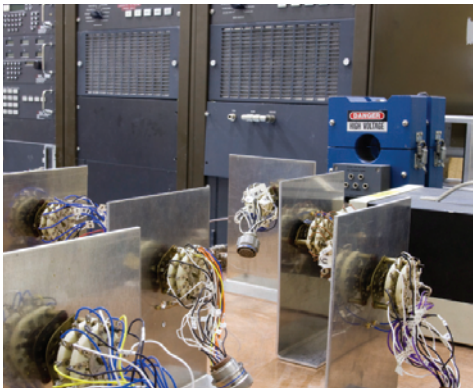
Satisfied clients of ours include Boeing, Hewlett-Packard, Microsoft, Sony, Lockheed Martin, the US Department of Defense, EMC, Motorola, Cisco, Texas Instruments, United Technologies, Tyco Electronics Corporation, ViaSat, Inc., Rockwell Collins, Raytheon, Pratt & Whitney Rocketdyne, Northrop Grumman, L3 Communications, General Electric, Eaton Aerospace, Agilent Technologies, and Aerojet.

About NTS

NTS is a world leader in assisting organizations to access domestic and international markets. We are a single source for a full range of integrated engineering solutions, product testing, standards compliance, project management staffing solutions, engineering and managed services. Globally accredited by leading regulatory agencies, NTS can provide cost-effective programs to meet your requirements at one of our many U.S. or international facilities, or we can provide on-site solutions. NTS is the nation's largest independent standards compliance and product testing company serving companies within the aerospace, defense, automotive, telecommunications, electronics, power, medical device, computer, software and financial markets.



Semi-Anechoic Chambers, Radiated Susceptibility in Fullerton, CA



Electromagnetic Pulse Testing in Tempe, AZ

Highlights and Primary Test Specifications

EMC / EMI / ESD Testing

- ▶ Radiated Susceptibility up to 200V/m, 10kHz to 40GHz
- ▶ Magnetic Susceptibility dc to 10kHz
- ▶ HIRF Testing 400 Mhz to 18 GHz
- ▶ Mode Tuned Chamber
- ▶ Lightning-Multiple Stroke, Multiple Burst, and Single Stroke
- ▶ Telecom lightning and power fault testing (GR-1089-CORE)
- ▶ 3 and 10 Meter Listed Semi-Anechoic Chambers
- ▶ 40' x 40' x 20' Semi-Anechoic Chambers for MIL and Aerospace applications
- ▶ TEM Cell and Strip Line Cells
- ▶ Radiated and conducted emissions, – for CE, FCC, Industry Canada,
- ▶ VCCI, BSMI, Korea Mic Mark, Australia, and New Zealand
- ▶ Full CE Immunity

Primary Specifications

GR-1089-CORE, RBOC Supplements (Verizon & AT&T), EN300-386, EN55022, EN55024, EN61000-4-x, MIL-STD-461/462, MIL-STD-704A, MIL-STD-1275, DO-160, FCC Part 15/18, VCCI, BSMI, IC ICES-003, IEEE C37.90.1, IEEE C37.90.2, ETSI K20, K21, EN 301 489-01, -xx, AS/NZS CISPR 22, CISPR 22, CISPR 11, Korea EMI and EMS.

EMC / EMI Engineering Services

- ▶ Electromagnetic Environmental Effects (E3) Analyses of Systems and Platforms
- ▶ EMC Control Plan
- ▶ EMI and EMC Analysis
- ▶ EMI and EMC Design and Compliance Assessments
- ▶ Equipment EMI Design
- ▶ Independent EMI/EMC Reviews
- ▶ NARTE Certified Engineers
- ▶ Performance Requirements Definition and Flow Down
- ▶ Requirements Gap Analysis
- ▶ Risk Mitigation Plans
- ▶ System EMC Design
- ▶ Test Procedures and Corrective Action

Worldwide EMC / EMI Laboratory Network

- ▶ Boxborough, MA
- ▶ Fullerton, CA
- ▶ Munich, Germany
- ▶ Plano, TX
- ▶ Rockford, IL
- ▶ Silicon Valley, CA
- ▶ Tempe, AZ
- ▶ Tinton Falls, NJ



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