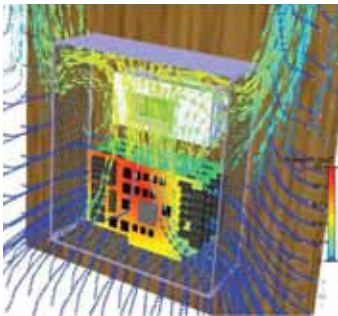


NTS Market Spotlight: Telecommunications

Specialists in NEBS | EMC/EMI | Wireless | Fiber Optics



NTS conducts Thermal, Electrical, Mechanical, and Failure Analysis Engineering services.



Complete system tests can be performed in any of the NTS anechoic chambers.



Dynamic shock, random and sinusoidal vibration detect possible product faults during the NEBS qualification tests.

Telecommunications Experts

The telecom industry is in a constant state of change due to ongoing technological advances, the ever-changing regulatory environment and evolving forms of competitive pressure. Successful Telecom equipment companies must be able to rapidly adapt to this dynamic environment. To respond to this reality, a reliable partner is needed and that's where NTS comes in.

NTS is a full service Engineering Services company, supporting all aspects of product design, development, testing and certification. With a laboratory network that stretches from coast to coast, and several international locations as well, NTS operates the largest group of Verizon-certified Independent Test Labs in the world.

Our Telecom engineers and technicians are among the industry's best, many of them participating directly in the standards development process with industry and governmental agencies. Leveraging this Telecom engineering infrastructure, NTS is capable of addressing challenges and solving problems that others simply cannot.

Network Equipment Building Systems - NEBS

NTS provides complete NEBS testing worldwide, with numerous labs located across the U.S. and Europe. We provide extensive engineering services and program management to help our clients understand and comply with the stringent NEBS requirements. We offer a NEBS quality program that provides continuing compliance for products through their entire life cycle. The NTS NEBS mark is recognized through-out the Telecom industry as a quality standard that ensures your product's reliability.

EMC / EMI / ESD

NTS offers vast capabilities and experience for conducting EMC, Product Safety (US, CSA, Asia and S. America) and Electrical testing to ITE, telecommunications, and other industry specifications. NTS is an NIST designated, Notified Body for EMC with multiple immunity chambers, 10 meter chambers, and semi-anechoic FCC-listed chambers, as well as lightning and AC powercross.

Wireless

NTS has unique depth of experience in wireless technologies, from large infrastructure equipment to handheld wireless devices. NTS can evaluate transmitting equipment within the frequency range 9kHz to 220 GHz. Excellent test capabilities are available across the U.S.

Fiber Optics

With multiple switch systems capable of both Single- and Multi-mode, NTS' advanced Optics Lab is approved to conduct testing on Fiber Optic Components and Optical Cable for the U.S. Military and RBOCs. NTS can perform environmental tests while monitoring for Insertion and Return Loss, PMD, PDL, and Change in Transmittance at wavelengths from 850 to 1625 nm.



From small hand-held products to large wireless infrastructure equipment, NTS has the capability to evaluate the products that make up wireless networks.



EMC/EMI test capabilities are available in many NTS facilities and include multiple shielded and anechoic chambers.

Environmental / Dynamic

NTS is the largest independent company for environmental/dynamics testing, with 12 facilities located nationwide. Our technicians and engineers are recognized experts in the performance of a wide array of environmental simulations including thermal, shock, seismic, and vibration to name a few. Capabilities include more than 20 different chambers, shakers and drop tower test platforms.

MoCA Certification

NTS is the exclusive authorized lab to execute and manage the Multimedia Over Coax Alliance (MoCA) certification program. MoCA is an industry driven standard promoting the networking of digital video and entertainment products throughout the home using the existing coaxial cable. MoCA technology provides the backbone for entertainment networks of multiple wired and wireless products throughout the home, including "triple play" technologies (voice, data and video).

Smart Phone and Applications

Are you preparing to release a new product? NTS can exercise your product's functionality through alpha, beta and/or golden master phases of development. NTS can start by developing comprehensive test plans and detailing test methodologies or you can supply us with a specific test plan to execute. Functionality testing can be performed on hardware or software products to verify that your product functions exactly as designed.

Product Certification Highlights



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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.