



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

NTS Labs, LLC Tinton Falls
New Jersey Facility
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Tinton Falls, NJ 07701
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ELECTRICAL (EMC/SAFETY)

Valid to: September 30, 2023

Certificate Number: 0214.18

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following Electromagnetic Compatibility/Interference (EMC/EMI), Lightning Transients, and Surges tests:

Tests:

Standard(s) ¹:

Emissions

Radiated/Conducted
(3m Semi Anechoic Chamber)

Code of Federal Regulation (CFR) 47, FCC Part 15 (Subpart B) using ANSI C63.4:2014 (up to 18 GHz); ICES-003; VCCI-CISPR 32:2016 (excluding Annex H); CISPR 22; EN 55022; CISPR 32; EN 55032 (excluding Annex H); KS C 9832 (excluding Annex H); CISPR 11; EN 55011; KS C9811; CISPR 14-1 (Excluding disturbance power, click and magnetic field measurements); EN 55014-1 (Excluding disturbance power, click and magnetic field measurements); VCCI V-3 (up to 6 GHz); MIL-STD-461* (Methods CE01, CE02, CE03, CE04, RE01, RE02); MIL-STD-461* (Methods CE101, CE102, CE106 [up to 40 GHz], RE101, RE102); MIL-STD-462*; RTCA DO 160* (Section 21); EN/IEC 60945 (Radiated and conducted emission measurements only); KS C 9814-1 (Excluding disturbance power, click and magnetic field measurements)

Current Harmonics

EN/IEC 61000-3-2

Voltage Fluctuations and Flicker

EN/IEC 61000-3-3

Magnetic Effects

RTCA DO 160* (Section 15)

Tests:

Standard(s) ¹:

Immunity

| | |
|--|---|
| Electrostatic Discharge (ESD) | EN/IEC 61000-4-2*; KS C 9610-4-2; RTCA DO 160* (Section 25); MIL-STD-461G (Method CS118) |
| Radiated Immunity | EN/IEC 61000-4-3*; KS C 9610-4-3; RTCA DO 160* (Sections 19 & 20); MIL-STD-461* (Methods RS01, RS02, RS03); MIL-STD-461* (Methods RS101, RS103); MIL-STD-462* |
| Electrical Fast Transient/Burst | EN/IEC 61000-4-4*; KS C 9610-4-4; |
| Surge Immunity | EN/IEC 61000-4-5* (<i>excluding clause 6.2</i>); KS C 9610-4-5 (<i>excluding clause 6.2</i>); RTCA DO 160* (Sections 16 & 17) |
| Conducted Immunity | EN/IEC 61000-4-6*; KS C 9610-4-6; RTCA DO 160* (Sections 18 & 20); MIL-STD-461* (Methods CS01, CS02, CS06); MIL-STD-461* (Methods CS101, CS106, CS109, CS114, CS115, CS116); MIL-STD-462*; |
| Magnetic Field Immunity | EN/IEC 61000-4-8* (<i>excluding short duration mode</i>); KS C 9610-4-8 (<i>excluding short duration mode</i>); IEC 61000-4-39 |
| Voltage Dips, Short Interruptions and Line Voltage Variations | EN/IEC 61000-4-11*; KS C 9610-4-11; |

***Generic/Product Family Standards and
Industry Standards***

EN 60601-1-2; IEC/EN 61326-1; EN 55024;
EN 61000-6-1; EN 61000-6-2; EN 61000-6-3;
EN 61000-6-4;
CISPR 35 (*excluding Annex A, D, E, F, G, H*);
EN 55035 (*excluding Annex A, D, E, F, G, H*);
KS C 9835 (*excluding Annex A, D, E, F, G, H*);
KS C 9610-6-2;
EN55014-2; CISPR 14-2; KS C 9610-6-1;
KS C 9610-6-4; KS C 9610-6-3

On the Following Product Types:

Aerospace, Defense, Telecommunications, Electrical, Electronics, Automotive, Information Processing,
Scientific Instruments, and Commercial

*Note: The laboratory's accreditation includes all revisions of the standards identified by this mark above.

¹ When the date, edition, version, etc. is not identified in the scope of accreditation, laboratories may use the version that immediately precedes the current version for a period of one year from the date of publication of the standard measurement method, per part C., Section 1 of A2LA R101 - *General Requirements- Accreditation of ISO-IEC 17025 Laboratories.*



Testing Activities Performed in Support of FCC Certification in Accordance with 47 Code of Federal Regulations and FCC KDB 974614, Appendix A, Table A.1²

| Rule Subpart/Technology | Test Method | Maximum Frequency (MHz) |
|--|--------------------|--------------------------------|
| <u>Unintentional Radiators</u> Part 15B | ANSI C63.4:2014 | 18000 |

² Accreditation does not imply acceptance to the FCC equipment authorization program. Please see the FCC website (<https://apps.fcc.gov/oetcf/eas/>) for a listing of FCC approved laboratories.





Accredited Laboratory

A2LA has accredited

NTS LABS, LLC TINTON FALLS

Tinton Falls, NJ

for technical competence in the field of

Electrical Testing

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 *General requirements for the competence of testing and calibration laboratories*. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communiqué dated April 2017).



Presented this 17th day of January 2022.

A blue ink signature of the Vice President of Accreditation Services.

Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 0214.18
Valid to September 30, 2023
Revised September 19, 2022

For the tests to which this accreditation applies, please refer to the laboratory's Electrical Scope of Accreditation.