



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

CLARK DYNAMIC TESTING LABORATORY, INC.
1801 Route 51 S
Jefferson Hills, PA 15025
Elizabeth Gonzalez-Arias 412 387 1661

ELECTRICAL

Valid To: October 31, 2026

Certificate Number: 1337.02

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following tests on Automotive, Industrial, Off-Highway, Agricultural, Medical Devices, Defense/Military, Heavy Equipment, Transportation, Rail, Nuclear Power Generation, Aerospace, Electric Motors, Gearboxes, and Drivetrain Components:

Tests:

Test Method(s)¹:

Emissions

Radiated and Conducted
(up to 18 GHz)

FCC CFR 47 Part 15B (Using ANSI C63.4:2014);
FCC CFR 47 Part 18 (using MP-5:1986);
ANSI C63.4; EN 55011;
CISPR 11; CISPR 16-2-3;
CISPR 16-2-1; CISPR 32;
CISPR 12;

MIL-STD-461 E-G, Methods RE101, RE102;
MIL-STD-461 E-G, Methods CE101, CE102

Flicker

IEC 61000-3-3

Harmonics

IEC 61000-3-2

Immunity

ESD

IEC/EN 61000-4-2

Radiated, Radio-frequency,
Electromagnetic Field Immunity
(80 MHz to 6000 MHz)

IEC/EN 61000-4-3

Electrical Fast Transient /
Burst Immunity

IEC/EN 61000-4-4

Surge Immunity

IEC/EN 61000-4-5

Conducted Disturbances Induced
By Radio-Frequency Fields

IEC/EN 61000-4-6

Power Frequency Magnetic

IEC/EN 61000-4-8



<u>Tests:</u>	<u>Test Method(s)¹:</u>
Pulse Magnetic Field Immunity	IEC/EN 61000-4-9
Damped Oscillatory Magnetic Field Immunity	IEC/EN 61000-4-10
Voltage Dips, Short Interruptions and Voltage Variations Immunity	IEC/EN 61000-4-11; IEC/EN 61000-4-29
Ring Wave Immunity	IEC/EN 61000-4-12
Harmonics and Inter-Harmonics Including Mains Signaling at A.C. Power Port, Low Frequency Immunity	IEC/EN 61000-4-13
Damped Oscillatory Wave Immunity	IEC/EN 61000-4-18
Radiated Susceptibility	MIL-STD-461E-G Methods RS101, RS103
Conducted Susceptibility	MIL-STD-461E-G Methods CS101, MIL-STD-461E-F CS114
<i>Electromagnetic Compatibility</i>	
Emissions/Immunity Industrial Environments	IEC/EN 61000-6-2; IEC/EN 61000-6-4
Emissions/Immunity Residential	IEC/EN 61000-6-1; IEC/EN 61000-6-3
Railway Applications	EN 50121-4; EN 50121-5; EN 50121-3-1
Gas Detection	EN 50270
Medical Equipment	IEC/EN 60601-1-2
Laboratory Equipment	IEC/EN 61326-1
US NRC EMC Tests Guidelines for Evaluating Electromagnetic and Radio – Frequency Interference in Safety-Related Instrumentation and Control System	US NRC Regulatory Guide 1.180 Revision 2

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
<u>Industrial, Scientific, and Medical Equipment</u> Part 18	FCC MP-5:1986	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

CLARK DYNAMIC TESTING LABORATORY, INC.

Jefferson Hills, PA

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 25th day of November 2024.

A blue ink signature of Trace McInturff, written in a cursive style.

Mr. Trace McInturff, Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 1337.02
Valid to October 31, 2026

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