



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

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ELECTRICAL

Valid To: December 31, 2024

Certificate Number: 0767.02

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following Automotive Electromagnetic Compatibility (EMC), Electrical, Military, Commercial, and Industrial EMC, and Telecommunications Tests:

Test Technology:

Test Method(s) ¹:

Conducted Emissions

CFR 47, FCC Part 15, Subparts A & B, Sec. 15.107
(using ANSI C63.4:2014);
CISPR 11;
CISPR 32;
EN 55011;
EN 55032;
MIL-STD-461 (E, F, G), Methods CE101, CE102, and CE106;
MIL-STD-461D/462D, Methods CE101, CE102, and CE106;
RTCA/DO-160 (A, B, C, D, E, F, G), Section 21;
UK DEF STAN 59-41 (Part 3), Supp. B DCE02, Supp. C DCE03;
UK DEF STAN 59-411 (Part 3);
UK DEF STAN 59-41 (Part 3), Supp. A DCE01

Radiated Emissions

CFR 47, FCC Part 15 Subparts A & B, Sec. 15
(using ANSI C63.4:2014) (*up to 18 GHz*);
CISPR 11 (*up to 1 GHz*);
CISPR 32;
EN 55011 (*up to 18 GHz*);
EN 55022 (*Class B Devices only, up to 18 GHz*);
EN 55032;
MIL-STD-461D/462D, Methods RE101, RE102;
MIL-STD-461 (E, F, G), Methods RE101, RE102;
RTCA/DO-160 (A, B, C, D, E, F, G), Section 21;
UK DEF STAN 59-41 (Part 3), Supp. D DRE01, Supp. E DRE02
and Supp. F DRE03;
UK DEF STAN 59-411 (Part 3)

Test Technology:

Test Method(s) ¹:

Conducted Susceptibility
(Immunity)

MIL-STD-461/462D Methods CS101, CS109, CS114, CS115, and CS116;
MIL-STD-461 (E, F, G), Methods CS101, CS109, CS114, CS115, and CS116;
MIL-STD-461F, Method CS106;
RTCA/DO-160 (A, B, C, D, E, F, G), Sections 17, 18, 20, and 22;
UK DEF STAN 59-41 (Part 3), Supp. G DCS01, Supp. H DCS02, Supp. J DCS03, Supp. K DCS04, Supp. L DCS05, Supp. M DCS06, Supp. P DCS08, Supp. Q DCS09, Supp. S DCS11 and Supp. T DCS12;
UK DEF STAN 59-411 (Part 3)

Radiated Susceptibility
(Immunity)

MIL-STD-461D/462D Methods RS101, RS103;
MIL-STD-461 (E, F, G), Methods RS101, RS103;
RTCA/DO-160 (A, B, C, D, E, F, G), Sections 19 and 20;
UK DEF STAN 59-41 (Part 3), Supp. U DRS01, Supp. V DRS02;
UK DEF STAN 59-411 (Part 3)

Lightning Test

RTCA/DO-160 (D, E, F, G), Section 22;
MIL-STD-461G, Method CS117

Electrostatic Discharge (ESD)

EN 61000-4-2;
IEC 61000-4-2;
MIL-STD-461G, Method CS118;
RTCA/DO-160 (D, E, F, G), Section 25;
UK DEF STAN 59-41 (Part 3), Supp. R DCS10;
UK DEF STAN 59-411 (Part 3)

Magnetic Field Immunity

MIL-STD-461D/462D, Method RS101;
MIL-STD-461 (E, F, G), Method RS101;
DOD-STD-1399, Section 70;
UK DEF STAN 59-41 (Part 3), Supp. W DMFS01;
UK DEF STAN 59-411 (Part 3)

Voltage Dips, Interruptions,
Variations and Transients

MIL-STD-704 (A, B, C, D, E, F);
MIL-STD-1399, Section 300 A, B;
MIL-STD-1275 (A, B, C, D, E)

Magnetic Effect

RTCA/DO-160, Section 15

Power Input

RTCA/DO-160, Section 16

Power Quality

MIL-STD-1399, Section 300 A, B;
MIL-STD-704 (A, B, C, D, E, F);
MIL-STD-1275 (A, B, C, D, E);
UK DEF STAN 61-5 (Part 6)

Electrical Tests

Dielectric Withstand Voltage

MIL-STD-202G, Method 301

Insulation Resistance

MIL-STD-202G, Method 302

Contact Resistance

MIL-STD-202G, Method 307



Test Technology:

Test Method(s) ¹:

Electrical Tests (cont.)

Contact Chatter

MIL-STD-202G, Method 310

On the following types of materials and products:

Aerospace Components & Systems; Automotive Components & Systems; Shipboard Components & Systems; Railroad & Industrial Vehicle Components & Systems; Information Technology & Telecommunication Equipment & Systems; Electrical & Electronic Components & Systems; Medical Electronic Equipment; Military Equipment & Hardware

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.1 ²:

Rule Subpart/Technology	Test Method	Maximum Frequency
Unintentional Radiators Part 15B	ANSI C63.4:2014	18000 MHz

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

DAYTON T. BROWN, INC.

Bohemia, NY

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 July 2023.

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

Mr. Trace McInturff, Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 0767.02
Valid to December 31, 2024

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