



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

ELEMENT MATERIALS TECHNOLOGY TEMPE

1155 West 23rd Street, Suite 11-A

Tempe, AZ 85282

Stephan Samples Phone: 480 966 5517

Email: Stephan.samples@element.com

ELECTRICAL

Valid To: March 31, 2026

Certificate Number: 214.11

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following automotive, telecommunications, and aerospace testing:

Tests:

Test Specifications/ Methods:

Electrostatic Discharge ¹
(Up to 25kV)

MIL-STD-461 F, G (CS118);
RTCA/DO-160 D, E, F, G (Section 25);
SAE J1113-13

Immunity to Electromagnetic
Disturbances

MIL-STD-462/461 A, B, C (CS01);
MIL-STD-462/461 A, B, C (CS02);
MIL-STD-462/461 C (CS10);
MIL-STD-462/461 C (CS11);
MIL-STD-462/461 A, B, C (RS01);
MIL-STD-462/461 A, B, C (RS03);
MIL-STD-462/461D (CS101);
MIL-STD-462/461D (CS114);
MIL-STD-462/461D (CS115);
MIL-STD-462/461D (CS116);
MIL-STD-462/461D (RS101);
MIL-STD-462/461D (RS103);
MIL-STD-461 E, F, G (CS101);
MIL-STD-461 E, F, G (CS114);
MIL-STD-461 E, F, G (CS115);
MIL-STD-461 E, F, G (CS116);
MIL-STD-461 E, F, G (RS101);
MIL-STD-461 E, F, G (RS103)

Magnetic Effects

RTCA/DO-160 B, C, D, E, F, G (Section 15)

Aerospace

RTCA/DO-160 B, C, D, E, F, G (Section 16);
RTCA/DO-160 B, C, D, E, F, G (Section 17);
RTCA/DO-160 B, C, D, E, F, G (Section 18);
RTCA/DO-160 B, C, D, E, F, G (Section 19);
RTCA/DO-160 B, C, D, E, F, G (Section 20);
RTCA/DO-160 B, C, D, E, F, G (Section 21);
RTCA/DO-160 B, C, D, E, F, G (Section 22)

Tests:

RF Emissions

Test Specifications/ Methods:

MIL-STD-462/461 A, B, C (CE01);
MIL-STD-462/461 A, B, C (CE02);
MIL-STD-462/461 A, B, C (RE01);
MIL-STD-462/461 A, B, C (RE03);
MIL-STD-462/461D (CE101);
MIL-STD-462/461D (CE114);
MIL-STD-462/461D (CE115);
MIL-STD-462/461D (CE116);
MIL-STD-462/461D (RE101);
MIL-STD-462/461D (RE103);
MIL-STD-461 E, F, G (CE101);
MIL-STD-461 E, F, G (CE102);
MIL-STD-461 E, F, G (CE106);
MIL-STD-461 E, F, G (RE101);
MIL-STD-461 E, F, G (RE102);
MIL-STD-461 E, F, G (RE103)

Aircraft Electric Power Characteristics

MIL-STD-704 A, B, C, D, E, F;
MIL-HDBK-704-1 through -8

¹ Also using customer specific test methods utilizing any combination of test equipment parameters listed above.



Accredited Laboratory

A2LA has accredited

ELEMENT MATERIALS TECHNOLOGY TEMPE

Tempe, AZ

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 16th day of May 2024.

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 214.11
Valid to March 31, 2026

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