SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

ELEMENT MATERIALS TECHNOLOGY HUNTSVILLE
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ELECTRICAL

Valid To: December 31, 2025 Certificate Number: 214.40

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory at the location listed above to perform the following Electrical and Electromagnetic Compatibility (EMC) tests:

| Test Type | Test Method(s): |
|---|---|
| **Conducted Emissions (MIL)** | RTCA/DO-160C, D, E, F, G;<br>MIL-STD-461E, F, G |
| **Radiated Emissions (MIL)** | MIL-STD-461E, F, G (RE101, RE102, RE103);<br>RTCA/DO-160C, D, E, F, G (Section 21.5) |
| **Conducted Immunity (MIL)** | MIL-STD-461E, F, G (CS101, CS103, CS 104, CS105);<br>MIL-STD-461F (CS106);<br>MIL-STD-461D, E, F, G (CS109, CS114, CS115, CS116);<br>RTCA/DO-160C, D, E, F, G (Sections 17, 18, and 20) |
| **Conducted Immunity** | EN 61000-4-6;<br>EN 61000-4-12;<br>EN 61000-4-16 |
| **Electrical Fast Transient** | EN 61000-4-4 |
| **Electrostatic Discharge (MIL)** | RTCA/DO-160E, F, G (Section 25); MIL-STD-461G (CS118) |
| **Electrostatic Discharge** | EN 61000-4-2 |
| **Magnetic Field (MIL)** | MIL-STD 1399;<br>RTCA/DO-160C, D, E, F, G (Section 15) |
| **Magnetic Field** | EN 61000-4-10;<br>EN 61000-4-8;<br>EN 61000-4-9 |

| Test Type | Test Method(s): |
|---|---|
| **Radiated Immunity (MIL)** | MIL-STD-461E, F, G (RS101, RS103);<br>MIL-STD-461E, F (RS105);<br>RTCA/DO-160C, D, E, F, G (Sections 19 and 20) |
| **Radiated Immunity** | EN 61000-4-3 |
| **Surge** | RTCA/DO-160C, D, E, F, G (Section 16) |
| **Voltage Dips and Interruption** | EN 61000-4-11 |

# Accredited Laboratory

A2LA has accredited

## ELEMENT MATERIALS TECHNOLOGY HUNTSVILLE

*Huntsville, AL*

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 8th day of March 2024.

Mr. Trace McInturff, Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 214.40
Valid to December 31, 2025

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