



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

ELEMENT U.S. SPACE & DEFENSE
1536 East Valencia Drive
Fullerton, CA 92831
Vanessa Garcia Phone: (714) 879-6110
E-mail: vanessa.garcia@elementdefense.com
Website: <http://www.elementdefense.com>

THERMAL

Valid to: March 31, 2026

Certificate Number: 214.04

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to the laboratory to perform the following thermal and environmental simulation tests:

<u>Tests:</u>	<u>Specifications:</u>
High/Low Temperature (-80 to 350) °C	EIA-364-17 and 32; GR-63-CORE; IEC 60068-2-1; IEC 60068-2-2; MIL-DTL-38999; MIL-DTL-26500; MIL-DTL-83513; MIL-DTL-24308; MIL-DTL-55302; MIL-STD-202; MIL-STD-810; MIL-STD-883; RTCA/DO-160; SAE AS85049; SAE AS39029; SAE AS50151; IEC 60601-1-11
Thermal Shock	EIA-364-32; IEC 60068-2-14; MIL-STD-202 E, F, G; MIL-STD-810; MIL-STD-883
Temperature/Humidity (-55 to 95) °C (10 to 95) %RH	GR-63-CORE; IEC 60068-2-30; IEC 60068-2-56; IEC 60068-2-7; MIL-STD-202; MIL-STD-810; MIL-STD-883; RTCA/DO-160; SAE AS85049; EIA-364-31; IEC 60601-1-11
Low Air/Barometric Pressure (Altitude/Overpressure)	EIA-364-105; GR-63-CORE; MIL-STD-202; MIL-STD-810; NEMA 250; RTCA/DO-160; IEC 60601-1-11
Decompression	RTCA-DO/160; MIL-STD-810
Salt Fog	ASTM B117; EIA-364-26; IEC-60529; MIL-STD-202; MIL-STD-810; MIL-STD-883; NEMA 250; RTCA/DO-160; SAE AS85049
Rain (Waterproofness)	IEC-60529; MIL-STD-810; NEMA 250; RTCA/DO-160
Explosion-proofness (Explosive Atmosphere)	IEC 60529; MIL-STD-202; MIL-STD-810; RTCA/DO-160

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Tests:

Specifications:

Acceleration	MIL STD-810G; MIL STD-202G (Method 212)
Crash Safety	RTCA/DO-160 (All Versions), (Section 7)
Sand and Dust	RTCA/DO-160G (Section 12)
Dust	IEC 60529; IEC 60068-2-68; MIL-STD-202; MIL-STD-810; NEMA 250; RTCA/DO-160
Immersion	MIL-STD-202; MIL-STD-810; MIL-STD-883; SAE AS85049
Icing	MIL-STD-810; NEMA 250; RTCA/DO-160
Fluid Susceptibility (Fluid Immersion)	EIA 364-10 C, D, E, F, G; MIL-STD-202; MIL-STD-810; RTCA/DO-160; SAE AS85049
Ozone	EIA 364-14; MIL-DTL-38999; SAE AS85049; MIL-DTL-83723; MIL-DTL-26482; MIL-DTL-26500; MIL-PRF-28876; ASTM D1149; ASTM D1171

On the following types of equipment:

Telecommunication Equipment, Network Equipment, Industrial and Commercial Equipment, Electronic (Digital) Equipment, Aerospace





Accredited Laboratory

A2LA has accredited

ELEMENT U.S SPACE & DEFENSE

Fullerton, CA

for technical competence in the field of

Thermal 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 7th day of May 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 214.04
Valid to March 31, 2026

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