



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

ELEMENT U.S. SPACE & DEFENSE
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ACOUSTIC AND VIBRATION

Valid to: March 31, 2026

Certificate Number: 214.01

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

<u>Tests</u>	<u>Test Method(s):</u>
Acoustic Noise	GR-63-CORE; ISO 7779
Airborne Noise	MIL-STD-740-1, MIL-STD-1474
Structureborne Noise	MIL-STD-740-2
Vibration ¹ – Sine / Random / Mixed Mode (Sine-on-Random and Random-on-Random) Electrodynamic Shakers: (4 to 3000) Hz Up to 36,000 Force Pounds Up to 3 inches displacement	EIA-364-28; GR-63-CORE; MIL-DTL-38999; MIL-STD-167-1 & 1A;
Seismic Hydraulic Shakers: (.5 to 500) Hz 12,000 Force Pounds 10 inches displacement Up to 40 inches / second velocity	MIL-STD-202 (all versions); MIL-STD-810 (all versions); RTCA/DO-160 (all versions); IEC 60068-2-64
Windmilling Hydraulic Shakers (.5 to 50) Hz 10,000 Force Pounds 16 inches displacement Up to 200 inches / second velocity	



Tests

Shock ¹
Electrodynamic Shakers: (4 to 3000) Hz
Up to 36,000 Force Pounds
Up to 3 inches displacement

High Impact Shock

Drop

Earthquake Seismic Simulation ¹
Seismic Hydraulic Shakers: (.5 to 500) Hz
12,000 Force Pounds
10 inches displacement
Up to 40 inches / second velocity

Test Methods

EIA-364-27;
MIL-STD-202 (all versions);
MIL-STD-810 (all versions);
RTCA/DO-160 (all versions);
IEC 60068-2-27

MIL-S-901; MIL-DTL-901E;
MIL-STD-202 (all versions)

GR-63-CORE

GR-63-CORE;
AC156

On the following types of equipment:

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

¹ This laboratory also uses customer supplied specifications and/or methods directly related to the testing technologies and parameters listed above



Accredited Laboratory

A2LA has accredited

ELEMENT U.S. SPACE & DEFENSE

Fullerton, CA

for technical competence in the field of

Acoustics and Vibration 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 214.01
Valid to March 31, 2026

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