SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

ELEMENT U.S. SPACE & DEFENSE
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ACOUSTICS & VIBRATION

Valid To: March 31, 2026 Certificate Number: 214.05

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

Test:	Test Method(s):
Vibration [1] Electro Dynamic Shaker • Sine, Random & Combined • 45,000 Pounds Force • 80,000 Pounds Force Dual Shakers • 200 Grms • (2 to 3,000) Hz • 6,000 Hz with Resonant Fixture • 2.0” Stroke	MIL-STD-331: B1 and B3; MIL-STD-810: 514; MIL-STD-167-1: 5.1, 5.2, and 5.3; MIL-STD-202: 201, 204, and 214; MIL-STD-883: 2005, 2006, 2007, and 2026; MIL-STD-750: 2046, 2051, and 2056; MIL-STD-2105: 5.1.2
Servo Hydraulic Shaker • Sine, Random, and Shock • 100,000 pounds force • (2 to 500) Hz • 150 inches/second • 9.0” Stroke	RTCA DO 160, Section 8; MIL-STD-810: 514 and 516
Shock [1] Electro Dynamic Shaker • 120 inches/second Velocity • 2.0” Stroke • 6,000 SRS G	MIL-STD-810: 516 and 519; MIL-STD-202: 203, 207, and 213; MIL-STD-883: 2002; MIL-STD-750: 2016; MIL-STD-2102: 4.6 and 5.6; RTCA DO 160, Section 7

Test:	Test Method(s):
Shock (continued) [1]	
Drop Tower (Instrumented) • 80 ft/sec	MIL-STD-810: 516 and 517
Pyro-shock (Ordnance Induced or Mechanical Induced) • 100,000 G at 3 axis Simultaneous	MIL-STD-810: 517
Acoustic [1]	
Acoustic Reverberation • Up to 165 dB • (20 to 85,000) Hz	MIL-STD-810: 515; MIL-STD-740-1
Acoustic Progressive Wave Tube • Up to 171 dB • (20 to 85,000) Hz	MIL-STD-810: 515; MIL-STD-740-1

[1] Also using customer specifications based on the above standards and within the listed parameters.

Accredited Laboratory

A2LA has accredited

ELEMENT U.S. SPACE & DEFENSE

Santa Clarita, 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 25th day of March 2024.

Mr. Trace McInturff, Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 214.05
Valid to March 31, 2026
Revised May 1, 2024

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