SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

SYSTIMA TECHNOLOGIES
Environmental Test Lab
1832 - 180th Street SE
Bothell, WA 98012
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ACOUSTICS & VIBRATION

Valid To: September 30, 2013 Certificate Number: 2366.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the tests listed below on Automotive, Aerospace, Military and Electrical, Electronic and Mechanical components, assemblies and packaging:

Test	Test Method[1]
Vibration[2]	
[Electro-Dynamic vibration up to 15,000 F-lbs, (5 to 3000) Hz]	
Sinusoidal Random Sine-on-random Multiple Channel Control / Monitoring Transmissibility Plots Resonance Search Dwell	ASTM D999-01 (Section 5.1, Method A1), ASTM D999-01 (Section 5.3, Method B & C); IEC 68-2-6, 68-2-64; ISTA (Procedure 2A, Sequence 4 & 6); MIL-STD 167 (Type 1); MIL-STD 202 (Method 201, 204, 214); MIL-STD 331 (Group B); MIL-STD 750 (Method 2046, 2051, 2056); MIL-STD 810 (Method 514); MIL-STD 883 (Method 2005, 2006, 2007); RTCA DO-160 (Section 8); SAE J1455 (Section 4.9)
Mechanical Shock	
Electro-Dynamic shock up to 150-G	
Classical Shock Half-Sine Saw Tooth Trapezoid Rectangle Triangle Shock Response Spectrum (SRS)	IEC 68-2-27; MIL-STD 202 (Method 213, Cond. A - C and G - K); MIL-STD 750 (Method 2016); MIL-STD 810 (Method 516.5); RTCA DO-160 (Section 7); SAE J1455 (Section 4.10, Method 4.10.2.3)
Thermal/Humidity [Thermal Chamber 38" x 38" x 38", (150 to -60) ºC, (5 to 95) % RH]	
High Temp Low Temp High Humidity Low Humidity	MIL-STD-810 (Method 501, 502, 507); RTCA DO-160 (Section 5 and 6)

[1] Using customer-specified methods directly related to the types of tests listed above within the parameters listed above.
[2] Transportation, aviation and shipboard vibration testing, package testing, R&D component development and product qualification / integrity testing

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The American Association for Laboratory Accreditation

World Class Accreditation

Accredited Laboratory

A2LA has accredited

SYSTIMA TECHNOLOGIES

Bothell, WA

for technical competence in the field of

Acoustics and Vibration Testing

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005 *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 8 January 2009*).

AMERICAN ASSOCIATION FOR LABORATORY ACCREDITATION CORPORATE SEAL 1978 DISTRICT OF COLUMBIA A2LA

Presented this 8th day of November 2011.

President & CEO
For the Accreditation Council
Certificate Number 2366.01
Valid to September 30, 2013

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