



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

QUANTA LABORATORIES  
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MECHANICAL

Valid To: August 31, 2014

Certificate Number: 2454.01

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

<u>Test</u>	<u>Test Method(s)</u>
Mechanical Shock (including ½-sine, sawtooth, trapezoid)	MIL-STD-810F and 810G, Method 516.5; MIL-STD-883E, Method 2002.3; MIL-STD-202F and 202G, Method 213B; RTCA DO-160D, E, and F, Sect. 7.0; ETSI 300 019-2, Sect. 1, 2, 3, 4, 5, 7; ISTA, Sect. 1A, 2A, 1B, 2B, 1G, 1H, 3A, 3E; IEC 60068
Thermal Shock and Temperature Cycling	MIL-STD-202F and 202G, Method 107G; MIL-STD-883E, Methods 1010.7, 1011.9; Telcordia GR-63-CORE Issue 3, Sect. 4.1, 5.1; RTCA-DO-160D, E, and F, Sect. 5.0; ISTA, Sect. 1A, 2A, 1B, 2B, 1G, 1H, 3A, 3E; ETSI 300 019-2, Sect. 1, 2, 3, 4, 5, 7; ASTM D4169
High / Low Temp, Temperature / Humidity	MIL-STD-810F and 810G, Methods 501.4, 502.4, 507.4; ISTA, Sect. 1A, 2A, 1B, 2B, 1G, 1H, 3A, 3E; ETSI 300 019-2, Sect. 1, 2, 3, 4, 5, 7; ASTM D4169; Telcordia GR-63-CORE Issue 3, Sect. 4.1, 5.1
Moisture Resistance	MIL-STD-883E, Method 1004.7; MIL-STD-202F and 202G, Methods 103B, 106E; Telcordia GR-63-CORE Issue 3, Sect. 4.1, 5.1; GR-1221; RTCA-DO-160D, E, and F, Sect. 6.0; IEC 60529

<u>Test</u>	<u>Test Method(s)</u>
Acceleration	MIL-STD-810F and 810G, Method 513.5; MIL-STD-883E, Method 2001.2
Drop	ETSI 300 019-2, Sect. 1, 2, 3, 4, 5, 7; ISTA, Sect. 1A, 2A, 1B, 2B, 1G, 1H, 3A, 3E; ASTM D4169; Telcordia GR-63-CORE Issue 3, Sect. 4.3.1, 4.3.2, 5.3.1, 5.3.2
Altitude (low barometric pressure)	MIL-STD-810F and 810G, Method 500.4; MIL-STD-883E, Method 1001 ( <i>except condition G</i> ); MIL-STD-202F and 202G, Method 105C ( <i>except condition G</i> ); Telcordia GR-63-CORE Issue 3, Sect. 4.1.3, 5.1.3; RTCA DO-160D, E, and F, Sect. 4.0
Salt Fog / Spray	MIL-STD-810F and 810G, Method 509.4; MIL-STD-883E, Method 1009.8; ASTM B117; RTCA-DO-160D, E, and F, Sect. 14.0
Ultraviolet Exposure	ASTM G154



American Association for Laboratory Accreditation

# *Accredited Laboratory*

A2LA has accredited

## QUANTA LABORATORIES

*Santa Clara, CA*

for technical competence in the field of

### Mechanical 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*).

Presented this 9<sup>th</sup> day of November 2012.



  
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President & CEO

For the Accreditation Council

Certificate Number 2454.01

Valid to August 31, 2014

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