



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

LIGHTNING TECHNOLOGIES, AN NTS COMPANY

10 Downing Industrial Parkway  
Pittsfield, MA 01201

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ELECTRICAL

Valid to: November 30, 2019

Certificate Number: 0214.33

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

<b><u>Test:</u></b>	<b><u>Test Method(s)<sup>1</sup>:</u></b>
Voltage Spike	RTCA/DO-160 C, D, E, F, G (Section 17) <sup>2</sup>
Lightning Induced Transient Susceptibility	RTCA/DO-160 C, D, E, F, G (Section 22) <sup>2</sup>
Lightning Direct Effects	RTCA/DO-160 D, E, F, G (Section 23)
Electrostatic Discharge (ESD)	RTCA/DO-160 D, E, F, G (Section 25) <sup>2</sup> ; MIL-STD-331C, Test F1.12
Aircraft Lightning	SAE ARP 5416A (2013-01); SAE ARP 5416A (2013-01, Section 6) <sup>2</sup>
Wind Turbines	IEC 61400-24
Surge Voltage Testing	IEEE C62.41-1991
Fuel Gas Piping Systems Using Corrugated Stainless Steel Tubing	ANSILC1-2016/CSA6.26-2016
PMG Listing Criteria for Conductive Jacketed Corrugated Stainless Steel Tube	LC1024
PMG Listing Criteria for Conductive Jacketed Corrugated Stainless Steel Tube	LC1027

<sup>1</sup> When the date, edition, version, etc. is not identified in the scope of accreditation, laboratories are expected to be competent in the use of the current version within one year of the date of publication of the standard test method, per part C., Section 1 of A2LA R101 - *General Requirements- Accreditation of ISO-IEC 17025 Laboratories*.

<sup>2</sup>This laboratory meets A2LA R104 – *General Requirements: Accreditation of Field Testing and Field Calibration Laboratories* for these tests.

On the following products or types of products:

Aerospace, Defense, Telecommunications, Electrical, Electronics, Automotive, Wind Power,  
and Commercial

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## *Accredited Laboratory*

A2LA has accredited

# **LIGHTNING TECHNOLOGIES, AN NTS COMPANY**

*Pittsfield, MA*

for technical competence in the field of

## **Electrical 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 30<sup>th</sup> day of October 2017.

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President and CEO  
For the Accreditation Council  
Certificate Number 0214.33  
Valid to November 30, 2019

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