



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

NATIONAL INSTRUMENTS CORPORATION  
11500 North Mopac Expressway  
Austin, TX 78759-3504  
Mr. John Revell Phone: 512 683 0100

ELECTRICAL

Valid to: July 31, 2019

Certificate Number: 3154.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following Electromagnetic Compatibility (EMC), Environmental, and Product Safety tests:

**Test Technology:**

**Test Method(s):**

***Emissions***

Radiated & Conducted  
(up to 1 GHz using a  
10m OATS)

CFR 47 FCC, Part 2;  
CFR 47 FCC, Part 15, Subpart B (using ANSI C63.4:2014);  
CISPR 11:2011 (Ed 5.1) (except Group 2 equipment),  
2016 (Ed 6.1) (except Group 2 equipment);  
CISPR 22:2008 (Ed 6.0);  
EN 55011:2009 + A1:2010, 2016;  
EN 55022:2010;  
EN 55032:2012 (except broadcast receivers);  
ICES-001 (using CAN/CSA-CEI/IEC CISPR 11-04);  
ICES-003 (using CAN/CSA-CEI/IEC CISPR 22-10);  
KN 11:2015-12;  
KN 32:2015-12

Power Line Harmonics

IEC 61000-3-2:2009 (Ed 3.2), 2014 (Ed 4.0);  
EN 61000-3-2:2006 + A1:2009 + A2:2009, 2014

Power Line Flicker

IEC 61000-3-3:2008 (Ed 2.0), 2013 (Ed 3.0);  
EN 61000-3-3:2008, 2013

***Immunity***

Generic

CISPR 24:2010 (Ed 2.0);  
EN 55024:2010;  
CISPR 35:2016 (Ed 1.0);  
KN 35:2015-12

**Test Technology:****Test Method(s):*****Immunity (cont'd)***

Electrostatic Discharge	IEC 61000-4-2:2001 (Ed 1.2), 2008 (Ed 2.0); EN 61000-4-2:1995 + A1:1998 + A2:2001, 2009
Radiated Immunity	IEC 61000-4-3:2010 (Ed 3.2); EN 61000-4-3:2002, 2006 + A1:2008 + A2:2010
Electrical Fast Transient/Burst	IEC 61000-4-4:2010 (Ed 2.1), 2012 (Ed 3.0); EN 61000-4-4:2004 + A1:2010
Surge Immunity ( <i>except CCITT pulse</i> )	IEC 61000-4-5:2001 (Ed 1.1), 2005 (Ed 2.0); EN 61000-4-5:2001, 2006
Conducted Immunity	IEC 61000-4-6:2003 (Ed 2.0), 2004 (Ed 2.1), 2008 (Ed 3.0); EN 61000-4-6:2009
Power Frequency Magnetic Field Immunity	IEC 61000-4-8:2009 (Ed 2.0) (field levels $\geq 3$ A/m); EN 61000-4-8:2010 (field levels $\geq 3$ A/m)
Power Quality Failure – Voltage, Dips, and Interruptions	IEC 61000-4-11:2004 (Ed 2.0); EN 61000-4-11:2004

***Generic & Product Specific EMC Standards***

Generic	IEC 61000-6-1:2005 (Ed 2.0); EN 61000-6-1:2007; KN 61000-6-1:2012-06; IEC 61000-6-2:2005 (Ed 2.0); EN 61000-6-2:2005; KN 61000-6-2:2012-06; IEC 61000-6-3:2011 (Ed 2.1); EN 61000-6-3:2007 + A1:2011; KN 61000-6-3:2012-06; IEC 61000-6-4:2006 + A1:2010; EN 61000-6-4:2007 + A1:2011; KN 61000-6-4:2012-06
Laboratory, Test & Measurement, and Control	IEC 61326-1:2012 (Ed 2.0); EN 61326-1:2013; IEC 61326-2-1:2012 (Ed 2.0); EN 61326-2-1:2013
Wireless	EN 301 489-1 v1.9.2 ( <i>excluding clause 9.6</i> ); EN 301 489-3 v1.6.1; EN 301 489-17 v2.2.1; RSS-GEN; RSS-310; KN 301-489-01:2012-06; KN 301-489-17:2008-5

**Test Technology:**

**Test Method(s):**

***Product Safety***

Safety of Electrical  
Equipment

IEC 61010-1:2010 (Ed 3) + Am1:2016;  
UL 61010-1:2012 (Ed 3);  
EN 61010-1:2010 (Ed 3);  
CAN/CSA-C22.2 No. 61010-1-12 (Ed 3);

IEC 61010-2-030:2010 (Ed 1), 2017 (Ed 2);  
UL 61010-2-030:2012 (Ed 1);  
EN 61010-2-030:2010 (Ed 1);  
CAN/CSA-C22.2 No. 61010-2-030-12 (Ed 1);

IEC 60950-1:2005 (Ed 2) + Am1:2009 + Am2:2013;  
UL 60950-1:2007 (Ed 2);  
EN 60950-1:2006 (Ed 2) + A2:2013;  
CAN/CSA-C22.2 No. 60950-1-07 (Ed 2) + Am1:2011 + Am2:2014

Safety in Explosive  
Atmospheres

IEC 60079-0:2011 (Ed 6) (*clause 26.5.1 only*);  
UL 60079-0:2013 (Ed 6) (*clause 26.5.1 only*);  
EN 60079-0:2012 (Ed 6) + A11:2013 (*clause 26.5.1 only*);  
CSA 60079-0:2011 (Ed 2) (*clause 26.5.1 only*);  
IEC 60079-15:2010 (Ed 4) (*clause 6.5 only*);  
UL 60079-15:2013 (Ed 4) (*clause 6.5 only*);  
EN 60079-15:2010 (Ed 4) (*clause 6.5 only*);  
CSA 60079-15:2016 (Ed 2) (*clause 6.5 only*)

***Environmental***

Cold

IEC 60068-2-1 (Ed 6)

Dry Heat

IEC 60068-2-2 (Ed 5)

Damp Heat, Cyclic  
(12 + 12h cycle)

IEC 60068-2-30 (Ed 3)

Damp Heat, Steady State

IEC 60068-2-78 (Ed 2)

Insulation Resistance Test

IEC 60092-504 (Ed 4), No 5

On the following products or types of products: Industrial, Scientific, Academic and Medical Test Equipment as well as Information Technology Equipment

Testing Activities Performed in Support of FCC Declaration of Conformity and Certification in Accordance with 47 Code of Federal Regulations and FCC KDB 974614, Appendix A, Table A.1: <sup>1</sup>

<b>Rule Subpart/Technology</b>	<b>Test Method</b>	<b>Maximum Frequency</b>
Unintentional Radiators- Part 15B	ANSI C63.4:2014	1000 MHz

<sup>1</sup> Accreditation does not imply acceptance to the FCC equipment authorization program. Please see the FCC website (<https://apps.fcc.gov/oetcf/eas/>) for a listing of FCC approved laboratories



# Accredited Laboratory

A2LA has accredited

## NATIONAL INSTRUMENTS CORPORATION

Austin, TX

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 13<sup>th</sup> day of October 2017.

A handwritten signature in black ink, written over a horizontal line.

President and CEO  
For the Accreditation Council  
Certificate Number 3154.01  
Valid to July 31, 2019

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