



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

LAIRD CONNECTIVITY, LLC
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Cedarburg, WI 53012
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ELECTRICAL (EMC)

Valid to: January 31, 2023

Certificate Number: 1255.01

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

<u>Test(s):</u>	<u>Authority/Application:</u>	<u>Test Method(s) ¹:</u>
<i>Emissions</i> <i>Unintentional Radiators</i> Conducted & Radiated	FCC (US)	47 CFR, Part 15 B (using ANSI C63.4:2014); 47 CFR, Part 18 (using FCC MP-5:1986)
	ISED (Canada)	ICES-001; ICES-002; ICES-003; CAN/CSA-CEI/IEC CISPR 11; CAN/CSA-CEI/IEC CISPR 22
	EU (European Union)	EN 55011; EN 55012; EN 55014-1; EN 55022; EN 55032; EN 61000-6-3; EN 61000-6-4
	BSI (United Kingdom)	BS EN 55011; BS EN 55012; BS EN 55014-1; BS EN 55022; BS EN 55032; BS EN 61000-6-3; BS EN 61000-6-4
	ACMA (Australia) ComCom (New Zealand)	AS/NZS CISPR 11; AS/NZS CISPR 12; AS/NZS CISPR 14.1; AS/NZS CISPR 22; AS/NZS 61000.6.3; AS/NZS 61000.6.4; AS/NZS 4251.1; AS/NZS 4251.2

<u>Test(s):</u>	<u>Authority/Application:</u>	<u>Test Method(s) ¹:</u>
<i>Emissions (cont.)</i>		
<i>Unintentional Radiators (cont.)</i>		
Conducted & Radiated (cont.)	International	IEC CISPR 11; IEC CISPR 12; IEC CISPR 14-1; IEC CISPR 22; IEC CISPR 32; IEC 61000-6-3; IEC 61000-6-4
Current Harmonics	EU (European Union)	EN 61000-3-2
	Australia / New Zealand	AS/NZS 61000.3.2
	International	IEC 61000-3-2
Voltage Fluctuations & Flicker	EU (European Union)	EN 61000-3-3
	Australia / New Zealand	AS/NZS 61000.3.3
	International	IEC 61000-3-3
<i>Intentional Radiators</i>		
Conducted & Radiated	FCC (US)	47 CFR, Part 15 C (using ANSI C63.10:2013); DA 00-705; KDB 558074 D01; KDB 662911 D01, D02; 47 CFR, Part 15 E (<i>DFS Only</i>), (using KDB 905462 D01 v01, D02 v02, D03, D04, D05, D06); KDB 789033, D02; KDB 594280; 47 CFR, Part 15 F (using ANSI C63.10:2013)
	ISED (Canada)	RSS-GEN, Issue 5, April 2018 (Amendment 1 March 2019); RSS-102 (RF Exposure Evaluation), Issue 5, March 2015; SPR-002; RSS-119, Issue 12, May 2015; RSS-210, Issue 10, December 2019 (Amendment April 2020); RSS-216, Issue 2, January 2016 (Amendment 1 September 2020); RSS-220, Issue 1, March 2009 (Amendment July 2018); RSS-243, Issue 3, February 2010; RSS-247, Issue 2, February 2017; RSS-310, Issue 5, January 2020

Test(s):

Authority/Application:

Test Method(s) ¹:

Emissions (cont.)

Intentional Radiators (cont.)

Conducted & Radiated
(cont.)

EU (European Union)

ETSI EN 300 220-1;
ETSI EN 300 220-2;
ETSI EN 300 328;
ETSI EN 300 330;
ETSI EN 300 440;
ETSI EN 301 489-1
(excluding section 9.6);
ETSI EN 301 489-3;
ETSI EN 301 489-17;
ETSI EN 301 489-31;
ETSI EN 301 489-33;
ETSI EN 301 893;
ETSI EN 302 065-1;
ETSI EN 302 195

ACMA (Australia)

AS/NZS 4268

Immunity

EU (European Union)

EN 61000-4-2; EN 61000-4-3;
EN 61000-4-4; EN 61000-4-5;
EN 61000-4-6; EN 61000-4-8;
EN 61000-4-11; EN 55014-2;
EN 55024; EN 55035;
EN 61000-6-1; EN 61000-6-2

BSI (United Kingdom)

BS EN 61000-4-2; BS EN 61000-4-3;
BS EN 61000-4-4; BS EN 61000-4-5;
BS EN 61000-4-6; BS EN 61000-4-8;
BS EN 61000-4-11; BS EN 55014-2;
BS EN 55024; BS EN 55035;
BS EN 61000-6-1; BS EN 61000-6-2

ACMA (Australia)
ComCom (New Zealand)

AS/NZS CISPR 14.2;
AS/NZS CISPR 24;
AS/NZS CISPR 35;
AS/NZS 61000.6.1; AS/NZS 61000.6.2

International

IEC 61000-4-2; IEC 61000-4-3;
IEC 61000-4-4; IEC 61000-4-5;
IEC 61000-4-6; IEC 61000-4-8;
IEC 61000-4-11;
IEC CISPR 14-2;
IEC CISPR 24;
IEC CISPR 35;
IEC 61000-6-1; IEC 61000-6-2

Test(s):***Product and Industry
Specific Standards*****Authority/Application:****Test Method(s) ¹:**

Generic Standards	EN 61000-6-1; EN 61000-6-2; EN 61000-6-3; EN 61000-6-4; AS/NZS 61000.6.1; AS/NZS 61000.6.2; AS/NZS 61000.6.3; AS/NZS 61000.6.4; AS/NZS 4251.1; AS/NZS 4251.2
ISM (Industrial / Scientific / Medical)	IEC CISPR 11; EN 55011; AS/NZS CISPR 11
Vehicles, Boats, Internal Combustion Engines	IEC CISPR 12; EN 55012; AS/NZS CISPR 12
Household Appliances, Electric Tools, and Similar	IEC CISPR 14-1; EN 55014-1; AS/NZS CISPR 14.1; IEC CISPR 14-2; EN 55014-2; AS/NZS CISPR 14.2
ITE (Information Technology Equipment)	IEC CISPR 22; EN 55022; AS/NZS CISPR 22; IEC CISPR 24; EN 55024; AS/NZS CISPR 24; IEC CISPR 32; EN 55032; AS/NZS CISPR 32; IEC CISPR 35; EN 55035; AS/NZS CISPR 35
Laboratory Electrical Equipment	IEC/EN/BS EN 61326-1; BS EN 61326-2-6
Railway Applications	BS EN 50121-3-2
Alarm Systems	EN/BS EN 50130-4
Power Drive Systems	IEC/EN/BS EN 61800-3; IEC/EN/BS EN 61800-5-2; IEC/EN/BS EN 62061
Agriculture / Forestry	ISO 14982 (<i>excluding section 6.8</i>) (80 MHz to 1 GHz)
Construction Equipment	ISO 13766 (<i>excluding section 5.10</i>) (80 MHz to 1 GHz)
Road Vehicles	ISO 10605 (<i>ESD only</i>)
Combustible & Toxic Gasses, Oxygen Electrical Apparatus	BS EN 50270
Audio, Video, Audio-visual, and Entertainment Lighting	BS EN 55103-1; BS EN 55103-2

Test(s): Authority/Application: Test Method(s) ¹:

***Product and Industry
Specific Standards (cont.)***

Measuring Relays and Protection Equipment	IEC/BS EN 60255-26
Time Relays	IEC/EN 61812-1
Medical Equipment	IEC 60601-1-2; EN 60601-1-2; IEC 60601-2-24; EN 60601-2-24; IEC 60601-2-25; EN 60601-2-25; IEC 60601-2-26; EN 60601-2-26; IEC 60601-2-27; EN 60601-2-28; IEC 60601-2-49; EN 60601-2-49; AIM 7351731

On the following products or types of products:

Appliances, Industrial, Scientific, Medical (ISM), Information Technology Equipment (ITE), Vehicles, Boats, & Internal Combustion Engine Driven Devices – Radio Disturbance, Intentional and Unintentional Radiators.

¹ When the date, edition, version, etc. is not identified in the scope of accreditation, laboratories may use the version that immediately precedes the current version for a period of one year from the date of publication of the standard measurement method, per part C., Section 1 of A2LA *R101 - General Requirements-Accreditation of ISO-IEC 17025 Laboratories*.

Testing Activities Performed in Support of FCC Certification in Accordance with 47 Code of Federal Regulations and FCC KDB 974614, Appendix A, Table A.1 ²:

Rule Subpart/Technology	Test Method	Maximum Frequency
<u>Unintentional Radiators</u> Part 15B	ANSI C63.4:2014	40000 MHz
<u>Industrial, Scientific, and Medical Equipment</u> Part 18	FCC MP-5 (February 1986)	40000 MHz
<u>Intentional Radiators</u> Part 15C	ANSI C63.10:2013	40000 MHz
<u>U-NII with DFS Intentional Radiators</u> Part 15E	FCC KDB 905462 D02 (v02)	40000 MHz
<u>UWB Intentional Radiators</u> Part 15F	ANSI C63.10:2013	40000 MHz

²Accreditation 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

LAIRD CONNECTIVITY, LLC

Cedarburg, WI

for technical competence in the field of

Electrical 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 14th day of January 2021.

A blue ink signature of the Vice President of Accreditation Services.

Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 1255.01
Valid to January 31, 2023
Revised October 26, 2021

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