SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

ATLAS COMPLIANCE & ENGINEERING, INC.[1]
1792 Little Orchard Street
San Jose, CA 95125
Bruce K. Smith Phone: 408 971 9743

ELECTRICAL (EMC)

Valid to: December 31, 2021 Certificate Number: 1007.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory at the location listed above, ***as well as the one satellite laboratory location listed below,*** to perform the following electromagnetic compatibility tests:

Test Technology:	**Test Method(s)[3]:**
Unintentional Emissions **Radiated & Conducted** (*Radiated measurements below 1 GHz are performed at the satellite laboratory detailed at the bottom of this scope.*)	
U.S. (FCC)	
Unintentional Radiators	47 CFR, FCC Part 15, Subpart B (using ANSI C63.4-2014); ANSI C63.4-2014
Industrial, Scientific, and Medical (Consumer ISM)	47 CFR, FCC Part 18 (using MP-5:1986)[2]; MP-5:1986
Canada (ISED)	
Unintentional Radiators	ICES-003[2]
Industrial, Scientific and Medical (ISM) Radio Frequency Generators	ICES-001[2]
Japan	
Unintentional Radiators	VCCI -V3/2016.11[2]; VCCI-CISPR 32:2016[2]
Product Family Standards	
Emissions – Unintentional Radiators	CISPR 11[2]; EN 55011[2]; KN 11[2]; AS/NZS CISPR 11[2]; CISPR 14-1[2]; EN 55014-1[2]; KN 14-1[2]; AS/NZS CISPR 14 (*excluding click measurements*)[2];

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Test Technology:	**Test Method(s) [3]:**
Emissions – Unintentional Radiators *(cont.)*	CISPR 22:2008; CISPR 22; EN 55022:2010; EN 55022; CNS 13438:2006 (*Up to 6 GHz*); CISPR 32:2012 [2]; CISPR 32:2015 [2]; CISPR 32 [2]; KN 32 [2]; EN 55032:2012 [2]; EN 55032:2015 [2]; EN 55032 [2]; EN 61326-1 [2]; EN 60601-1-2 [2]; EN 61000-6-3 [2]; EN 61000-6-4 [2]; GB 9254:2008; GB9254
Harmonics	IEC 61000-3-2:2014 [2]; IEC 61000-3-2:2018 [2]; IEC 61000-3-2 [2]; EN 61000-3-2:2014 [2]; EN 61000-3-2:2019 [2]; EN 61000-3-2 [2]; GB 17625.1-2012; GB17625.1
Flicker	IEC 61000-3-3:2013 [2]; IEC 61000-3-3 [2]; EN 61000-3-3:2013 [2]; EN 61000-3-3 [2]
Intentional Emissions **Unlicensed Transmitters**	
U.S. (FCC)	
Intentional Radiators	47 CFR, FCC Part 15 C Unlicensed Transmitters (using ANSI C63.10-2013); ANSI C63.10-2013
Canada (ISED)	
Intentional Radiators License Exempt	RSS-GEN; RSS-210; RSS-247 (without DFS); ANSI C63.10-2013; RSS-102 (RF Exp. Calculations only)
Immunity	
Electrostatic Discharge (ESD)	IEC 61000-4-2:2008 [2]; IEC 61000-4-2 [2]; EN 61000-4-2:2009 [2]; EN 61000-4-2 [2]
Radiated Immunity	IEC 61000-4-3:2006; IEC 61000-4-3; EN 61000-4-3:2006; EN 61000-4-3
Electrical Fast Transient / Burst	IEC 61000-4-4:2004 [2]; IEC 61000-4-4:2012 [2]; IEC 61000-4-4 [2]; EN 61000-4-4:2004 [2]; EN 61000-4-4:2012 [2]; EN 61000-4-4 [2]
Surge Immunity	IEC 61000 4-5:2005 [2]; IEC 61000-4-5:2014 [2]; IEC 61000-4-5 [2]; EN 61000-4-5:2006 [2]; EN 61000-4-5:2014 [2]; EN 61000-4-5 [2]
Conducted Immunity	IEC 61000-4-6:2008 [2]; IEC 61000-4-6:2013 [2]; IEC 61000-4-6 [2]; EN 61000-4-6:2009 [2]; EN 61000-4-6:2014 [2]; EN 61000-4-6 [2]

Test Technology:	**Test Method(s)** [3]**:**
Immunity (*Cont.)*	
Power Frequency Magnetic Field Immunity	IEC 61000-4-8:2009 [2]; IEC 61000-4-8 [2]; EN 61000-4-8:2010 [2]; EN 61000-4-8 [2]
Voltage Dips, Interruptions, and Line Voltage Variations	IEC 61000-4-11:2004 [2]; IEC 61000-4-11 [2]; EN 61000-4-11:2004 [2]; EN 61000-4-11 [2]
Product Family Standards	
Immunity	CISPR 35:2016 [2]; CISPR 35 [2]; KN35 [2]; EN55035:2017 [2]; EN55035 [2]; CISPR 24:2010 [2]; CISPR 24 [2]; CISPR 24, Edition 2.1: 2015-04[2]; EN 55024:2010 [2]; EN55024 [2;] EN 55014-2 [2]; EN 55103-2 [2]; EN 61326-1 [2]; EN 61000-6-1 [2]; EN 61000-6-2 [2]; EN 60601-1-2 [2]
Electrical Product Safety	
	EN/IEC/UL 60950-1; CAN/CSA-C22.2 No. 60950-1-07 (*Edition 2.0, excluding clauses 2.9.2, 4.2.8, 4.3.12, 4.3.13, 4.7.3.6, and 6.2.2.1*); EN/IEC 62368-1 :2017; CAN/CSA-C22.2 No. 62368-1 (2nd Edition 2014); IEC 62368-1 Part 1, Edition 2.0: 2014-02; EN/IEC/UL 61010-1; CAN/CSA-C22.2 No. 61010-1-12 (*Edition 3.0, excluding clauses 6.8.2, 12.2, 12.3, 12.4, and 13.2.3*); EN/IEC 60204-1 :2018; EN/IEC 60204-33 :2011

[1]This accreditation also covers testing performed at the following satellite laboratory listed below.

[2]This laboratory meets performs field testing for the above test methods.

[3]When the date, edition, version, etc. is not identified in the scope of accreditation, the laboratory may use the version that immediately precedes the current version for a period of one year from 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*.

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Test Technology:	**Test Method(s) [3]:**
Unintentional Emissions Radiated & Conducted	
U.S. (FCC)	
Unintentional Radiators	47 CFR, FCC Part 15, Subpart B (using ANSI C63.4-2014); ANSI C63.4-2014
Industrial, Scientific, and Medical (Consumer ISM)	47 CFR, FCC Part 18 (using MP-5:1986); MP-5:1986
Canada (ISED)	
Unintentional Radiators	ICES-003
Industrial, Scientific and Medical (ISM) Radio Frequency Generators	ICES-001
Japan	
Unintentional Radiators	VCCI -V3/2016.11; VCCI-CISPR 32:2016
Product Family Standards	
Unintentional Radiators	CISPR 11; EN 55011; KN 11; AS/NZS CISPR 11; CISPR 14-1; EN 55014-1; KN 14-1; AS/NZS CISPR 14 (*excluding click measurements*); CISPR 22:2008; CISPR 22; EN 55022:2010; EN 55022; CNS 13438:2006; CISPR 32:2012; CISPR 32:2015; CISPR 32; KN 32; EN 55032:2012; EN 55032:2015; EN 55032; EN 61326-1; EN 60601-1-2; EN 61000-6-3; EN 61000-6-4; GB 9254:2008; GB9254

Test Technology:	**Test Method(s) [3]:**
Intentional Emissions **Unlicensed Transmitters**	
U.S. (FCC)	
Intentional Radiators	47 CFR, FCC Part 15 C Unlicensed Transmitters (using ANSI C63.10-2013); ANSI C63.10-2013
Canada (ISED)	
Intentional Radiators License Exempt	RSS-GEN; RSS-210; RSS-247 (without DFS); ANSI C63.10-2013; RSS-102 (RF Exp. Calculations only)

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 [4]:		
Rule Subpart/Technology	**Test Method**	**Maximum Frequency**
Unintentional Radiators		
Part 15B	ANSI C63.4-2014	40000 MHz
Industrial, Scientific, and Medical Equipment		
Part 18	FCC MP-5 (February 1986)	40000 MHz
Intentional Radiators		
Part 15C	ANSI C63.10-2013	40000 MHz

[4]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

ATLAS COMPLIANCE & ENGINEERING, INC.

San Jose, CA

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 November 2019.

Trace McInturff, Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 1007.01
Valid to December 31, 2021
Revised March 26, 2021

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