



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

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

ELECTRICAL (EMC)

Valid to: December 31, 2023

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:

<u>Test Technology:</u>	<u>Test Method(s) <sup>3</sup>:</u>
<b>Unintentional Emissions Radiated &amp; Conducted</b> <i>(Radiated measurements below 1 GHz are performed at the satellite laboratory detailed below.)</i>	
<b>U.S. (FCC)</b>	
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) <sup>2</sup> ; MP-5:1986
<b>Canada (ISED)</b>	
Unintentional Radiators	ICES-003 <sup>2</sup>
Industrial, Scientific, and Medical (ISM) Radio Frequency Generators	ICES-001 <sup>2</sup>
<b>Japan</b>	
Unintentional Radiators	VCCI -V3/2016.11 <sup>2</sup> ; VCCI-CISPR 32:2016 <sup>2</sup>
<b>Product Family Standards</b>	
Emissions – Unintentional Radiators	CISPR 11 <sup>2</sup> ; EN 55011 <sup>2</sup> ; KS C 9811, AS CISPR 11 <sup>2</sup> ; CNS 13803:2018, CISPR 14-1 <sup>2</sup> ; EN 55014-1 <sup>2</sup> ; KS C 9814-1; AS/NZS CISPR 14 ( <i>excluding click measurements</i> ) <sup>2</sup> ;

<b><u>Test Technology:</u></b>	<b><u>Test Method(s)<sup>3</sup>:</u></b>
Emissions – Unintentional Radiators ( <i>cont.</i> )	CISPR 22:2008; CISPR 22; EN 55022:2010; EN 55022; CNS 13438:2006; CNS 13428 ( <i>up to 6 GHz</i> ); CISPR 32:2012 <sup>2</sup> ; CISPR 32:2015 <sup>2</sup> ; CISPR 32 <sup>2</sup> ; KS C 9832; EN 55032:2012 <sup>2</sup> ; EN 55032:2015 <sup>2</sup> ; EN 55032 <sup>2</sup> ; EN 61326-1 <sup>2</sup> ; EN 60601-1-2 <sup>2</sup> ; KS C IEC 60601-1-2; EN 61000-6-3 <sup>2</sup> ; KS C 9610-6-3, EN 61000-6-4 <sup>2</sup> ; KS C 9610-6-4; GB 9254:2008; GB 9254; CNS 15936:2016
Harmonics	IEC 61000-3-2:2014 <sup>2</sup> ; IEC 61000-3-2:2018 <sup>2</sup> ; IEC 61000-3-2 <sup>2</sup> ; EN 61000-3-2:2014 <sup>2</sup> ; EN 61000-3-2:2019 <sup>2</sup> ; EN 61000-3-2 <sup>2</sup> ; GB 17625.1-2012; GB 17625.1
Flicker	IEC 61000-3-3:2013 <sup>2</sup> ; IEC 61000-3-3 <sup>2</sup> ; EN 61000-3-3:2013 <sup>2</sup> ; EN 61000-3-3 <sup>2</sup>
<b>Intentional Emissions Unlicensed Transmitters</b>	
<b>U.S. (FCC)</b>	
Intentional Radiators	47 CFR, FCC Part 15 C, Unlicensed Transmitters (using ANSI C63.10-2013); ANSI C63.10-2013
<b>Canada (ISED)</b>	
Intentional Radiators License Exempt	RSS-GEN; RSS-210; RSS-247 (without DFS); ANSI C63.10-2013; RSS-102 (RF Exp. Calculations only)
<b>Immunity</b>	
Electrostatic Discharge (ESD)	IEC 61000-4-2:2008 <sup>2</sup> ; IEC 61000-4-2 <sup>2</sup> ; EN 61000-4-2:2009 <sup>2</sup> ; EN 61000-4-2 <sup>2</sup>
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 <sup>2</sup> ; IEC 61000-4-4:2012 <sup>2</sup> ; IEC 61000-4-4 <sup>2</sup> ; EN 61000-4-4:2004 <sup>2</sup> ; EN 61000-4-4:2012 <sup>2</sup> ; EN 61000-4-4 <sup>2</sup>
Surge Immunity	IEC 61000 4-5:2005 <sup>2</sup> ; IEC 61000-4-5:2014 <sup>2</sup> ; IEC 61000-4-5 <sup>2</sup> ; EN 61000-4-5:2006 <sup>2</sup> ; EN 61000-4-5:2014 <sup>2</sup> ; EN 61000-4-5 <sup>2</sup>
Conducted Immunity	IEC 61000-4-6:2008 <sup>2</sup> ; IEC 61000-4-6:2013 <sup>2</sup> ; IEC 61000-4-6 <sup>2</sup> ; EN 61000-4-6:2009 <sup>2</sup> ; EN 61000-4-6:2014 <sup>2</sup> ; EN 61000-4-6 <sup>2</sup>

<b><u>Test Technology:</u></b>	<b><u>Test Method(s)<sup>3</sup>:</u></b>
<b>Immunity (Cont.)</b>	
Power Frequency Magnetic Field Immunity	IEC 61000-4-8:2009 <sup>2</sup> ; IEC 61000-4-8 <sup>2</sup> ; EN 61000-4-8:2010 <sup>2</sup> ; EN 61000-4-8 <sup>2</sup>
Voltage Dips, Interruptions, and Line Voltage Variations	IEC 61000-4-11:2004 <sup>2</sup> ; IEC 61000-4-11 <sup>2</sup> ; EN 61000-4-11:2004 <sup>2</sup> ; EN 61000-4-11 <sup>2</sup>
<b>Product Family Standards</b>	
Immunity	CISPR 35:2016 <sup>2</sup> ; CISPR 35 <sup>2</sup> ; KS C 9835, EN 55035:2017 <sup>2</sup> ; EN 55035 <sup>2</sup> ; CISPR 24:2010 <sup>2</sup> ; CISPR 24 <sup>2</sup> ; CISPR 24, Edition 2.1: 2015-04 <sup>2</sup> ; EN 55024:2010 <sup>2</sup> ; EN55024 <sup>2</sup> ; EN 55014-2 <sup>2</sup> ; KS C 9814-2, EN 55103-2 <sup>2</sup> ; EN 61326-1 <sup>2</sup> ; EN 61000-6-1 <sup>2</sup> ; KS C 9610-6-1, EN 61000-6-2 <sup>2</sup> ; KS C 9610-6-2, EN 60601-1-2 <sup>2</sup> , KS C IEC 60601-1-2
<b>Electrical Product Safety</b>	
	EN/IEC/UL 60950-1; CAN/CSA-C22.2 No. 60950-1-07 ( <i>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</i> ); EN/IEC 62368-1:2017; CAN/CSA-C22.2 No. 62368-1 (2 <sup>nd</sup> 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 ( <i>Edition 3.0, excluding clauses 6.8.2, 12.2, 12.3, 12.4, and 13.2.3</i> ); EN/IEC 60204-1:2018; EN/IEC 60204-33:2011

<sup>1</sup> This accreditation also covers testing performed at the following satellite laboratory listed below:

**ATLAS COMPLIANCE & ENGINEERING, INC.**

726 Hidden Valley Rd.

Royal Oaks, CA 95076

Bruce K. Smith Phone: 408 971 9743

<u>Test Technology:</u>	<u>Test Method(s) <sup>3</sup>:</u>
<b>Unintentional Emissions Radiated &amp; Conducted</b>	
<b>U.S. (FCC)</b>	
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
<b>Canada (ISED)</b>	
Unintentional Radiators	ICES-003
Industrial, Scientific, and Medical (ISM) Radio Frequency Generators	ICES-001
<b>Japan</b>	
Unintentional Radiators	VCCI -V3/2016.11; VCCI-CISPR 32:2016
<b>Product Family Standards</b>	
Unintentional Radiators	CISPR 11; EN 55011; KS C 9811, AS CISPR 11; CNS 13803:2018, CISPR 14-1; EN 55014-1; KS C 9814-1; AS/NZS CISPR 14 ( <i>excluding click measurements</i> ); CISPR 22:2008; CISPR 22; EN 55022:2010; EN 55022; CNS 13438:2006; CISPR 32:2012; CISPR 32:2015; CISPR 32; KS C 9832; EN 55032:2012; EN 55032:2015; EN 55032; EN 61326-1; EN 60601-1-2 <sup>2</sup> ; KS C IEC 60601-1-2, EN 61000-6-3 <sup>2</sup> ; KS C 9610-6-3, EN 61000-6-4 <sup>2</sup> ; KS C 9610-6-4 GB 9254:2008; GB 9254; CNS 15936:2016



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

<sup>2</sup> This laboratory performs field testing for the noted test methods.

<sup>3</sup> 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*.

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 <sup>4</sup> :		
<b>Rule Subpart/Technology</b>	<b>Test Method</b>	<b>Maximum Frequency</b>
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

<sup>4</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

# 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 15<sup>th</sup> day of December 2021.

A blue ink signature of Trace McInturff, written in a cursive style.

Trace McInturff, Vice President, Accreditation Services  
For the Accreditation Council  
Certificate Number 1007.01  
Valid to December 31, 2023

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