



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

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, 2019

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:

Emissions

Conducted and Radiated
*(Radiated measurements below 1 GHz
are performed at the satellite laboratory
detailed at the bottom of this scope)*

Test Method(s)²:

CFR 47, FCC Part 15B (using ANSI C63.4:2014), Part 18
(using FCC MP-5:1986)³; EN 55011³; KN 11³; CISPR 11³;
AS/NZS CISPR 11³; ICES-001³; EN 55014-1³; KN 14-1³;
AS/NZS CISPR 14 (excluding click measurements)³;
CISPR 22; ICES-003³; VCCI V-3 (1 to 6 GHz)³;
CNS 13438:2006 (1 to 6 GHz); EN 55103-1; EN 61326-1³;
EN 60601-1-2³; EN 61000-6-3³; EN 61000-6-4³;
EN 55032 (excluding broadcast receivers)³; CISPR 32;
KN 32 (excluding broadcast receivers)³;
RSS GEN; RSS-102 (RF Exp Only);
RSS-210; RSS-247 (without DFS)

Current Harmonics

EN 61000-3-2³

Voltage Fluctuations

EN 61000-3-3³

Immunity

Product Family - Generic

EN 55014-2³; EN 55024³; EN 55103-2³;
EN 61326-1³; EN 61000-6-1³; EN 61000-6-2³;
KN 35³; EN 60601-1-2³

Electrostatic Discharge (ESD)

EN 61000-4-2³; IEC 61000-4-2³; KN 61000-4-2³

Radiated Immunity

EN 61000-4-3; IEC 61000-4-3; KN 61000-4-3

Electrical Fast Transient/Burst

EN 61000-4-4³; IEC 61000-4-4³; KN 61000-4-4³

Surge Immunity (*Excluding
Symmetrical Communication Lines*)

EN 61000-4-5³; IEC 61000-4-5³; KN 61000-4-5³

Conducted Immunity

EN 61000-4-6³; IEC 61000-4-6³; KN 61000-4-6³

Test Technology:***Immunity (cont.)***

Power Frequency/Magnetic Field Immunity

Voltage Dips, Short Interruptions, and Line Voltage Variations

Test Method(s)²:EN 61000-4-8³; IEC 61000-4-8³; KN 61000-4-8³EN 61000-4-11³; IEC 61000-4-11³; KN 61000-4-11³***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/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)

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

² 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*.

³ This laboratory meets A2LA R104 – *General Requirements: Accreditation of Field Testing and Field Calibration Laboratories*. On-site test service is available for these standards.

ATLAS COMPLIANCE & ENGINEERING, INC.

726 Hidden Valley Rd.

Royal Oaks, CA 95076

Bruce K. Smith Phone: 408 971 9743

Test Technology:***Emissions***

Conducted and Radiated

Test Method(s):

CFR 47, FCC Part 15B (using ANSI C63.4:2014), Part 18 (using FCC MP-5:1986); EN 55011; KN 11; CISPR 11; AS/NZS CISPR 11; ICES-001; EN 55014-1; KN 14-1; AS/NZS CISPR 14 (excluding click measurements); EN 55022; CISPR 22; KN 22; ICES-003; VCCI V-3 (up to 6 GHz); EN 55032 (excluding broadcast receivers); CISPR 32; KN 32 (excluding broadcast receivers); CNS 13438:2006 (up to 6 GHz); EN 55103-1; EN 61326-1; EN 60601-1-2; EN 61000-6-3; EN 61000-6-4

On materials and products related to the following:

Industrial, Scientific, and Medical (ISM) equipment; Information Technology Equipment (ITE); Household appliances, electric tools and similar apparatus; Radio frequency devices; Digital apparatus; Broadcast receivers and associated equipment; Professional audio, video, audio-visual and entertainment lighting control apparatus; Electrical equipment for measurement, control and laboratory use; Medical electrical equipment; Electrical/electronic 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.1⁴

Rule Subpart/Technology	Test Method	Maximum Frequency (MHz)
<u>Unintentional Radiators</u> Part 15B	ANSI C63.4:2014	22000
<u>Industrial, Scientific, and Medical Equipment</u> Part 18	FCC MP-5 (February 1986)	22000

⁴Accreditation 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 17025:2005 *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 April 2017).



Presented this 21st day of February 2018.

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

Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 1007.01
Valid to December 31, 2019

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