SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

BEC INCORPORATED
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Pottstown, PA 19464
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ELECTRICAL (EMC)

Valid To: August 31, 2019 Certificate Number: 2597.01

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

Test Technology:	**Test Method(s) [1, 2]:**
Emissions	
Conducted and Radiated	CFR 47, FCC Part 15B (using ANSI C63.4:2014); CFR 47, FCC Part 15C (using ANSI C63.10:2013); CFR 47, FCC Part 18 (using FCC MP-5:1986); ICES-001; ICES-003; ICES-005; RSS-GEN, Issue 5, April 2018; RSS-102 (SAR), Issue 5, March 2015; RSS-210, Issue 9, August 2016 (Amendment Nov. 2017); RSS-247 (*excluding DFS testing*), Issue 2, February 2017; CISPR 32; EN 55032; AS/NZS CISPR 32; CISPR 11; EN 55011; AS/NZS CISPR 11; CISPR 22; EN 55022; AS/NZS CISPR 22; CISPR 15; EN 55015; AS/NZS CISPR 15; CISPR 13; EN 55013; CNS 13439; CNS 13803; CNS 13306; CNS 13783; CNS 13438 (*up to 6 GHz*); AS/NZS 3548; VCCI V-3 (*up to 6 GHz*)
Current Harmonics	EN 61000-3-2; IEC 61000-3-2
Voltage Fluctuations/Flicker	EN 61000-3-3; IEC 61000-3-3
Immunity	
Electrostatic Discharge	EN 61000-4-2; IEC 61000-4-2
Radiated Immunity	EN 61000-4-3; IEC 61000-4-3
Electrical Fast Transients	EN 61000-4-4; IEC 61000-4-4
Surge Immunity	EN 61000-4-5; IEC 61000-4-5

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Test Technology:	**Test Method(s) [1, 2]:**
Immunity (cont.)	
Conducted Immunity	EN 61000-4-6; IEC 61000-4-6
Magnetic Field Immunity	EN 61000-4-8; IEC 61000-4-8
Pulsed Magnetic Field Immunity	EN 61000-4-9; IEC 61000-4-9
Voltage Dips, Short Interruptions, and Voltage Variations	EN 61000-4-11; IEC 61000-4-11
Product Family/Generic Standards and Industry Standards	EN 61000-6-1; EN 61000-6-2; EN 61000-6-3; EN 61000-6-4; CISPR 14-1; EN 55014-1; CISPR 14-2; EN 55014-2; CISPR 20; EN 55020; CISPR 24; EN 55024; CISPR 35; EN 55035; EN 50083-2; EN 50130-4; BETS-7 (Issue 3); EN 55103-1; EN 55103-2; EN 60601-1-2; IEC 60601-2; EN 61326-1; IEC 61326-1; EN 61326-2-1; IEC 61326-2-1; EN 61326-2-2; IEC 61326-2-2; EN 300 386; ETSI EN 301 489-1 (*excluding section 9.6*); ETSI EN 301 489-3; ETSI EN 301 489-17; EN 60601-2-24; IEC 60601-2-24

On materials and products related to the following: Information Technology Equipment (ITE), Television Interface Devices, Professional Cable Broadcast Equipment, Consumer Electronics, Telecommunication Terminal Equipment (TTE), and Telecom/Radio Equipment.

[1] When the date, revision or edition of a test method standard is not identified on the scope of accreditation, the laboratory is expected to be using the current version within one year of the date of publication, per part C., Section 1 of *A2LA R101 - General Requirements- Accreditation of ISO-IEC 17025 Laboratories*.

[2] The laboratory is only accredited for testing activities outlined within the test methods listed above. Reference to any other activity within these standards, such as risk management or risk assessment, does not fall within the laboratory's accredited capabilities.

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 [3]:

Rule Subpart/Technology	**Test Method**	**Maximum Frequency**
Unintentional Radiators Part 15B	ANSI C63.4:2014	18000 MHz
Industrial, Scientific, and Medical Equipment Part 18	FCC MP-5 (February 1986)	18000 MHz
Intentional Radiators Part 15C	ANSI C63.10:2013	25000 MHz

[3] 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

BEC INCORPORATED

Pottstown, PA

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 3rd day of August 2017.

Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 2597.01
Valid to August 31, 2019
Revised February 05, 2019

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