



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

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ELECTRICAL

Valid To: November 30, 2024

Certificate Number: 4707.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following Electromagnetic Compatibility Testing (EMC), Radio Product and Product Safety Testing:

Test:

Test Methods¹:

Emissions

Conducted and Radiated Emissions
(3m semi-anechoic chamber,
up to 40 GHz)

CFR 47 FCC Part 15 Subpart B (using ANSI C63.4-2014);
CFR 47 FCC Part 18 (using MP-5:1986);

ICES-001; ICES-003; ICES-005

CISPR 11; EN 55011; AS/NZS CISPR 11; BS EN 55011;
CISPR 14.1; EN 55014-1; AS/NZS CISPR 14.1;
BS EN 55014-1; CISPR 15; EN 55015; AS/NZS CISPR 15;
BS EN 55015; EN 55032; BS EN 55032;
CISPR 32; AS/NZS CISPR 32

Harmonics and Flicker

EN 61000-3-2; IEC 61000-3-2; BS EN 61000-3-2;
EN 61000-3-3; IEC 61000-3-3; BS EN 61000-3-3

Immunity

Electrostatic Discharge (ESD)

EN 61000-4-2; IEC 61000-4-2; BS EN 61000-4-2

Electrical Fast Transient/Burst

EN 61000-4-4; IEC 61000-4-4; BS EN 61000-4-4

Surge Immunity

EN 61000-4-5; IEC 61000-4-5; BS EN 61000-4-5

Conducted Immunity

EN 61000-4-6; IEC 61000-4-6; BS EN 61000-4-6

Voltage Dips, Short Interruptions,
and Line Voltage Variations

EN IEC 61000-4-11; IEC 61000-4-11;
BS EN IEC 61000-4-11

Test:

Generic and Product Specific EMC

Radio Communications

Intentional Radiators
(excluding DFS testing)

RF Exposure (MPE)

Product Safety

ITAV

Test Methods¹:

EN 55035; BS EN 55035; CISPR 35;
EN 55014-2; BS EN 55014-2; CISPR 14-2;
EN 61547; BS EN 61547; IEC 61547;
EN 61000-6-1; IEC 61000-6-1; BS EN IEC 61000-6-1;
EN 61000-6-2; IEC 61000-6-2; BS EN IEC 61000-6-2;
EN IEC 61000-6-3; IEC 61000-6-3; BS EN 61000-6-3;
EN 61000-6-4; IEC 61000-6-4; BS EN IEC 61000-6-4;
ETSI EN 301 489-1; ETSI EN 301 489-3;
ETSI EN 301 489-17; ETSI EN 301 489-19;
ETSI EN 301 489-52

CFR 47 FCC Part 15 Subpart C (using ANSI C63.10-2013);
CFR 47 FCC Part 15 Subpart E (using ANSI C63.10-2013);
CFR 47 FCC Part 22 (cellular), Part 24, Part 25 (below 3GHz),
Part 27 (using ANSI/TIA-603-E, TIA-102.CAAA-E);
KDB 971168 D01 Power Measurement License Digital
System; ANSI C63.26-2015;

RSS-130; RSS-132; RSS-133; RSS-139; RSS-199; RSS-210;
RSS-216; RSS-247 (excluding DFS); RSS-248; RSS-310;
RSS-GEN;

ETSI EN 300 220-1; ETSI EN 300 220-2;
ETSI EN 300 220-3-1; ETSI EN 300 220-3-2;
ETSI EN 300 220-4;
ETSI EN 300 330;
ETSI EN 300 440;
ETSI EN 300 328;
ETSI EN 303 413;
ETSI EN 303 345-1; ETSI EN 303 345-3;
ETSI EN 301 893;
ETSI EN 303 417;
ETSI EN 301 511;
ETSI EN 301 908-1; ETSI EN 301 908-2;
ETSI EN 301 908-13;

AS/NZS 4268

RSS-102 measurement (RF Exposure);
EN 62479; EN 50663; EN 50665; EN 62311

IEC 62368-1; EN IEC 62368-1; UL 62368-1;
CAN/CSA-C22.2 No. 62368-1; BS EN 62368-1

Test

Test Methods¹:

Product Safety (cont.)

Luminaire

BS/EN 60598-1; EN IEC 60598-1; IEC 60598-1;
AS/NZS 60598.1; IEC 60598-2-1; EN IEC 60598-2-1;
AS/NZS 60598.2.1; EN 60598-2-2; IEC 60598-2-2;
AS/NZS 60598.2.2; EN 60598-2-3; IEC 60598-2-3;
AS/NZS 60598.2.3; EN 60598-2-4; IEC 60598-2-4;
AS/NZS 60598.2.4; EN 60598-2-5; IEC 60598-2-5;
AS/NZS 60598.2.5; EN 60598-2-8; IEC 60598-2-8;
AS/NZS 60598.2.8; EN 60598-2-10; IEC 60598-2-10;
AS/NZS 60598.2.10; EN 60598-2-11; IEC 60598-2-11;
EN 60598-2-12; IEC 60598-2-12; AS/NZS 60598.2.12;
EN 60598-2-13; IEC 60598-2-13; IEC 60598-2-17;
EN 60598-2-17; AS/NZS 60598.2.17; EN 60598-2-18;
IEC 60598-2-18; AS/NZS 60598.2.18; EN 60598-2-19;
IEC 60598-2-19:1981+A1; EN 60598-2-20; IEC 60598-2-20;
AS/NZS 60598.2.20; EN 60598-2-22; EN 60598-2-22;
AS/NZS 60598.2.22; BS/EN 62031; EN IEC 62031;
IEC 62031; AS/NZS 62031

Lamp Control Gear

EN 61347-1; IEC 61347-1; AS/NZS 61347.1;
EN 61347-2-2; IEC 61347-2-2; AS/NZS 61347.2.2;
EN 61347-2-3; IEC 61347-2-3; AS/NZS 61347.2.3;
EN 61347-2-4; IEC 61347-2-4; AS/NZS 61347.2.4;
EN 61347-2-8; IEC 61347-2-8; AS/NZS 61347.2.8;
EN 61347-2-11; IEC 61347-2-11; AS/NZS 61347.2.11;
EN 61347-2-13; IEC 61347-2-13:2014

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*.

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.1²:

Rule Subpart/Technology	Test Method	Maximum Frequency (MHz)
<u>Unintentional Radiators</u> Part 15B	ANSI C63.4:2014	40000
<u>Industrial, Scientific, and Medical Equipment</u> Part 18	FCC MP-5 (February 1986)	40000
<u>Intentional Radiators</u> Part 15C	ANSI C63.10:2013	40000
<u>U-NII without DFS Intentional Radiators</u> Part 15E	ANSI C63.10:2013	40000

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.1²:

Rule Subpart/Technology	Test Method	Maximum Frequency (MHz)
<u>Commercial Mobile Services (FCC Licensed Radio Service Equipment)</u> Parts 22 (cellular), 24, 25 (below 3 GHz), and 27	ANSI/TIA-603-E-2016; TIA-102.CAAA-E-2016; ANSI C63.26-2015	40000

² 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

BSL TESTING CO., LTD.
Shenzhen, People's Republic of China

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 23rd day of January 2023.

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

Mr. Trace McInturff, Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 4707.01
Valid to November 30, 2024

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