



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

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ELECTRICAL (EMC)

Valid to: February 28, 2023

Certificate Number: 3464.02

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following EMC and Telecommunication tests:

Test Technology:

Test Method(s) ¹:

EMC

Emissions

*Radiated and Conducted
(9 kHz to 40 GHz)*

CFR 47, FCC Part 15, Subpart B (using ANSI C63.4:2014);
CFR 47, FCC Part 18 (using MP-5:1986);
CISPR 11; EN 55011; BS EN 55011; AS CISPR 11;
CISPR 22; EN 55022; AS/NZS CISPR 22;
CISPR 32; EN 55032; BS EN 55032; AS/NZS CISPR 32;
VCCI V-3 (up to 6 GHz);
ICES-003

Immunity

Electrostatic Discharge (ESD)

IEC 61000-4-2; EN 61000-4-2; BS EN 61000-4-2;
AS/NZS 61000.4.2

Electrical Fast Transient / Burst

IEC 61000-4-4; EN 61000-4-4; BS EN 61000-4-4;
AS/NZS 61000.4.4

Surge

IEC 61000-4-5; EN 61000-4-5; BS EN 61000-4-5;
AS/NZS 61000.4.5

Conducted Immunity

IEC 61000-4-6; EN 61000-4-6; BS EN 61000-4-6;
AS/NZS 61000.4.6

Magnetic Field Immunity

IEC 61000-4-8; EN 61000-4-8; BS EN 61000-4-8;
AS/NZS 61000.4.8

Pulse Magnetic Field

IEC 61000-4-9; EN 61000-4-9; AS/NZS 61000.4.9

Test Technology:

Test Method(s) ¹:

Immunity (cont.)

Voltage Dip

IEC 61000-4-11; EN 61000-4-11; BS EN 61000-4-11;
BS EN IEC 61000-4-11; EN IEC 61000-4-11;
AS/NZS 61000.4.11

Product Family / Generic Standards

Alarm System

EN 50130-4 / BS EN 50130-4
(excluding Radiated Electromagnetic Field test)

*Information Technology Equipment
Medical Electrical Equipment*

CISPR 24 / EN 55024 / BS EN 55024
(excluding Radiated Electromagnetic Field test);
AS/NZS CISPR 24
(excluding Radiated Electromagnetic Field test);
IEC 60601-1-2 / EN 60601-1-2
(excluding Radiated Electromagnetic Field test);
IEC 61000-6-1 / EN 61000-6-1 / BS EN 61000-6-1
(excluding Radiated Electromagnetic Field test);
BS EN IEC 61000-6-1 / EN IEC 61000-6-1
(excluding Radiated Electromagnetic Field test);
IEC 61000-6-2 / EN 61000-6-2 / BS EN 61000-6-2
(excluding Radiated Electromagnetic Field test);
BS EN IEC 61000-6-2 / EN IEC 61000-6-2
(excluding Radiated Electromagnetic Field test);
IEC 61000-6-3; EN 61000-6-3; BS EN 61000-6-3;
IEC 61000-6-4; EN 61000-6-4; BS EN 61000-6-4;
BS EN IEC 61000-6-4; EN IEC 61000-6-4

Multimedia Equipment

CISPR 35; EN 55035; BS EN 55035; AS/NZS CISPR 35

*Industrial, Scientific, and
Medical Equipment*

ICES-001

*Electronic Lighting and Similar
Equipment*

BS EN 61547; EN 61547; IEC 61547;
AS CISPR 15; EN IEC 55015;
BS EN IEC 55015; BS EN 55015; ICES-005

Radio

Unlicensed Radio - FCC

CFR 47, FCC Part 2;
CFR 47, FCC Part 15, Subparts C & E
(using ANSI C63.4:2014, ANSI C63.10:2013, and
KDB 905462 D02 (v02));

Licensed Radio - FCC

CFR 47, FCC Part 2;
CFR 47, FCC Parts 22, 24, 25, 27, 90, 95, 97, 101
(using ANSI C63.26:2015, ANSI/TIA-603-E:2016,
or ANSI/ITA-102.CAAA-E-2016)



Test Technology:

Test Method(s) ¹:

Radio (cont.)

Japan

ARIB STD-T71; ARIB STD-T66; ARIB STD-T101;
ARIB STD-T63; RCR STD-33

Canada

RSS-GEN; RSS-119; RSS-130; RSS-132;
RSS-133; RSS-139; RSS-192; RSS-199;
RSS-210; RSS-247; RSS-310

European Union (EU)

ETSI EN 300 086-1; ETSI EN 300 086-2;
ETSI EN 300 220-1; ETSI EN 300 220-2;
ETSI EN 300 330;
ETSI EN 300 440;
ETSI EN 300 328;
ETSI EN 300 386;
ETSI EN 301 489-1;
ETSI EN 301 489-3 (*excluding Radiated Immunity*);
ETSI EN 301 489-17 (*excluding Radiated Immunity*);
ETSI EN 301 511;
ETSI EN 301 893;
ETSI EN 301 908;
ETSI EN 301 908-1;
ETSI EN 301 908-2;
ETSI EN 301 908-13;
ETSI EN 301 406;
ETSI TS 151 010-1

Australia

AS/NZS 4268; AS/NZS 4771

Hong Kong

HKCA 1002; HKCA 1007

MPE

(Maximum Permissible Exposure)

EN 62311; EN 62479; EN 50385;
RSS-102 (MPE);
IEEE C95.1; H46-2-99-237E

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 Certification in Accordance with 47 Code of Federal Regulations and FCC KDB 974614, Appendix A, Table A.1 ²:

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
U-NII without DFS Intentional Radiators Part 15E	ANSI C63.10:2013	40000 MHz
U-NII with DFS Intentional Radiators Part 15E	FCC KDB 905462 D02 (v02)	40000 MHz
Commercial Mobile Services (FCC Licensed Radio Service Equipment) Parts 22 (cellular), 24, 25 (below 3 GHz), and 27	ANSI/TIA-603-E; TIA-102.CAAA-E; ANSI C63.26:2015	40000 MHz
General Mobile Radio Services (FCC Licensed Radio Service Equipment) Parts 22 (non-cellular), 90 (below 3 GHz), 95 (below 3 GHz), 97 (below 3 GHz), and 101 (below 3 GHz)	ANSI/TIA-603-E; TIA-102.CAAA-E; ANSI C63.26:2015	40000 MHz

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

EUROFINS WIRELESS TESTING SERVICE (SHENZHEN) 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 9th day of February 2021.

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

Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 3464.02
Valid to February 28, 2023
Revised September 03, 2021

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