Accredited Laboratory

A2LA has accredited

WORLDWIDE TESTING SERVICES (TAIWAN) CO., LTD.

Taipei City, Taiwan (R.O.C.)

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 2019*).

Presented this 25th day of April 2023.

Mr. Trace McInturff, Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 2732.01
Valid to March 31, 2025

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

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

WORLDWIDE TESTING SERVICES (TAIWAN) CO., LTD.[1]
6F, No. 58, Lane 188
Ruey Kuang Road, Neihu District
Taipei City 114, Taiwan (R.O.C.)
Rex Kao Phone: 886 2 6606 8877
rex@wts-lab.com

ELECTRICAL

Valid To: March 31, 2025 Certificate Number: 2732.01

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 two satellite laboratory locations listed below,*** to perform the following electromagnetic compatibility, radio equipment, and digital cellular telecommunications tests:

Test Technology:	**Test Method(s)[2]:**
Electromagnetic Compatibility	
Emissions	
Conducted Emissions	CISPR 11; EN 55011; AS/NZS CISPR 11; CISPR 13; EN 55013; AS/NZS CISPR 13; CISPR 14-1; EN 55014-1; AS/NZS CISPR 14.1; CISPR 15; EN 55015; AS/NZS CISPR 15; CISPR 22; EN 55022; AS/NZS CISPR 22; CISPR 32; EN 55032; AS/NZS CISPR 32
Current Harmonics	IEC 61000-3-2; EN 61000-3-2; AS/NZS 61000.3.2
Voltage Fluctuation and Flicker	IEC 61000-3-3; EN 61000-3-3; AS/NZS 61000.3.3
Immunity	
Electrostatic Discharge (ESD)	IEC 61000-4-2; EN 61000-4-2
Electrical Fast Transient/Burst	IEC 61000-4-4; EN 61000-4-4
Surge Immunity	IEC 61000-4-5; EN 61000-4-5
Conducted Immunity	IEC 61000-4-6; EN 61000-4-6
Power Frequency Magnetic Field Immunity (up to 100 A/m)	IEC 61000-4-8; EN 61000-4-8
Voltage Dips, Short Interruptions, and Line Voltage Variations	IEC 61000-4-11; EN 61000-4-11

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Test Technology:	**Test Method(s) [2]:**
Generic, Product Family and Product Specific Standards *(Excluding Radiated Emissions and Disturbance Power)*	IEC 61000-6-1; EN 61000-6-1; IEC 61000-6-2; EN 61000-6-2; IEC 61000-6-3; EN 61000-6-3; IEC 61000-6-4; EN 61000-6-4; EN 50130-4; EN 50412-1; CISPR 14-2; EN 55014-2; IEC 61547; EN 61547; CISPR 24; EN 55024; CISPR 35; EN 55035; IEC 61131-2; EN 61131-2; IEC 61326-1; EN 61326-1; IEC 60601-1-2; EN 60601-1-2; EN 301 489-1; EN 301 489-3; EN 301 489-5; EN 301 489-9; EN 301 489-13; EN 301 489-15; EN 301 489-17; EN 301 489-19; EN 301 489-34; EN 301 489-50; EN 301 489-52
Radio *(Excluding SAR and HAC)* Short Range Devices (ETSI)	EN 300 220-1; EN 300 220-2; EN 300 220-4; EN 300 220-3-1; EN 300 220-3-2; EN 300 328; EN 301 893; EN 300 330; EN 300 440; EN 300 422-1; EN 300 422-2; EN 300 422-3; EN 301 357; EN 300 674-2-2; EN 300 086; EN 300 113; EN 301 783; EN 300 390; EN 302 208; EN 303 413; EN 303 417; EN 50385; EN 62311; EN 62479
Digital Cellular Telecommunication *(Excluding protocol testing)*	EN 303 609; EN 301 511; 3GPP TS 25.106; TS 25.106; 3GPP TS 25.143; TS 25.143; 3GPP TS 51 010-1 (sections 12 and 13 only); TS 151 010-1 (sections 12 and 13 only); 3GPP TS 34.121; EN 301 908-01; EN 301 908-02; EN 301 908-04; EN 301 908-11; EN 301 908-15 (E*xcluding base station equipment*)
AS/NZS (excluding SAR)	AS/NZS 4268; AS/NZS 4768.1; AS/NZS 4768.2; AS/NZS 4771; AS/NZS 4365; AS/NZS 2772.2

[1]This accreditation covers testing performed at the main laboratory listed above, and at the two satellite laboratories below:

WORLDWIDE TESTING SERVICES (TAIWAN) CO., LTD.
No. 5-1, Lishui
Shuang Sing Village, Wanli District
New Taipei City 207, TAIWAN (R.O.C.)

Test Technology:	**Test Method(s) [2]:**
Electromagnetic Compatibility	
Emissions Radiated Emissions only (3m/10m OATS, 30 MHz *to 1 GHz*)	CISPR 11; EN 55011; AS/NZS CISPR 11; CISPR 14-1; EN 55014-1; AS/NZS CISPR 14.1; CISPR 15; EN 55015; AS/NZS CISPR 15; CISPR 22; EN 55022; AS/NZS CISPR 22; CISPR 32; EN 55032; AS/NZS CISPR 32;
Generic, Product Family and Product Specific Standards Radiated Emissions only (3m/10m OATS, 30 Hz *to 1 GHz*)	IEC 61000-6-3; EN 61000-6-3; AS/NZS 61000.6.3; IEC 61000-6-4; EN 61000-6-4; AS/NZS 61000.6.4

WORLDWIDE TESTING SERVICES (TAIWAN) CO., LTD.
No. 35, Aly 21, Ln. 228, Ankan Rd.
Neihu District
Taipei City 114, TAIWAN (R.O.C.)

Test Technology:	**Test Method(s)[2]:**
Electromagnetic Compatibility	
Emissions Radiated Emissions (3m semi-anechoic chamber, up to 40 GHz)	CISPR 11; EN 55011; AS/NZS CISPR 11; CISPR 14-1; EN 55014-1; AS/NZS CISPR 14.1; CISPR 15; EN 55015; AS/NZS CISPR 15; CISPR 22; EN 55022; AS/NZS CISPR 22; CISPR 32; EN 55032; AS/NZS CISPR 32; ICES-003; ICES-005; VCCI-V3; AS/NZS 4268; AS/NZS 4771
Disturbance Power (up to 300 MHz)	CISPR 13; EN 55013; AS/NZS CISPR 13; CISPR 14-1; EN 55014-1
Immunity Radiated Immunity *(up to 6 GHz, 10 V/m)*	IEC 61000-4-3; EN 61000-4-3

[2] When the date, revision or edition of a test method standard is not identified on 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*.