**United States Department of Commerce**
**National Institute of Standards and Technology**

# Certificate of Accreditation to ISO/IEC 17025:2017

**NVLAP LAB CODE: 200133-0**

## Taiwan Testing and Certification Center

Taoyuan City
Taiwan

*is accredited by the National Voluntary Laboratory Accreditation Program for specific services, listed on the Scope of Accreditation, for:*

## Electromagnetic Compatibility & Telecommunications

*This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communique on ISO/IEC 17025).*

2026-06-11 through 2027-06-30

*Effective Dates*

*For the National Voluntary Laboratory Accreditation Program*

# SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

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## ELECTROMAGNETIC COMPATIBILITY & TELECOMMUNICATIONS

**NVLAP LAB CODE 200133-0**

## Emissions

| ***Designation*** | ***Description*** |
|---|---|
| EN 55022 (2010) + AC (2011) | Information technology equipment - Radio disturbance characteristics - Limits and methods of measurement |
| BS EN 55032 (2015)+A11(2020) | Electromagnetic compatibility of multimedia equipment - Emission Requirements |
| BS EN 55032:2015+A1:2020 | Electromagnetic compatibility of multimedia equipment - Emission requirements |
| EN 55032 (2015)+A11(2020) | Electromagnetic compatibility of multimedia equipment - Emission Requirements |
| EN IEC 61000-3-2 (2019) | Electromagnetic compatibility (EMC). Limits. Limits for harmonic current emissions (equipment input current <= 16 A per phase) |
| IEC 61000-3-2, Ed. 5.2 (2018) +AMD1(2020)+AMD2(2024) | Electromagnetic compatibility (EMC) - Part 3-2: Limits - Limits for harmonic current emissions (equipment input current ≤ 16 A per phase) |
| BS EN IEC 61000-3-2 (2019) | Electromagnetic compatibility (EMC). Limits. Limits for harmonic current emissions (equipment input current <= 16 A per phase) |
| IEC 61000-3-2, Ed. 5.1 (2020-07) | Electromagnetic compatibility (EMC) - Part 3-2: Limits - Limits for harmonic current emissions (equipment input current <= 16 A per phase) |

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| EN 61000-3-3:2013+A2:2021 | Electromagnetic compatibility (EMC) Part 3-3: Limits - Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems, for equipment with rated current <= 16 A per phase and not subject to conditional connection (IEC 61000-3-3:2013) |
| IEC 61000-3-3:2013/AMD2:2021/ COR1:2022 | Electromagnetic compatibility (EMC) -- Part 3-3: Limits - Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems, for equipment with rated current <= 16 A per phase and not subject to conditional connection |
| BS EN 61000-3-3:2013+A2:2021 | Electromagnetic compatibility (EMC) Part 3-3: Limits -- Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems, for equipment with rated current <= 16 A per phase and not subject to conditional connection |
| EN IEC 61000-3-11 (2019) | Part 3-11: Limits — Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems — Equipment with rated current ≤ 75 A and subject to conditional connection |
| BS EN IEC 61000-3-11 (2019) | Electromagnetic compatibility (EMC) - Part 3-11: Limits — Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems — Equipment with rated current ≤ 75 A and subject to conditional connection |
| EN 61000-3-12:2011/A1:2024 | Electromagnetic compatibility (EMC) - Part 3-12: Limits - Limits for harmonic currents produced by equipment connected to public low-voltage systems with input current >16 A and <= 75A per phase (IEC 61000-3-12:2011/A1:2021) |
| EN 61000-3-12 (2011) | Electromagnetic Compatibility (EMC) - PART 3-12: Limits for harmonic currents produced by equipment connected to public low-voltage systems with input current greater than 16A and less than or equal to 75A |
| AS/NZS 2279.1 (2000) | Electromagnetic Compatibility (EMC) Part 3-2: Limits - Limits for Harmonic Current Emissions (Equipment Input Current <= 16A) |
| ANSI C63.4a (2017) | American National Standard for Methods of Measurement of Radio- Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the Range of 9 kHz to 40 GHz--Amendment 1: Test Site Validation |
| IEC/CISPR 22 Ed. 6.0 (2008-09) | Limits and Methods of Measurement of Radio Disturbance Characteristics of Information Technology Equipment |
| AS/NZS CISPR 22 (2009) +A1 (2010) | Information technology equipment - Radio disturbance characteristics - Limits and methods of measurement |
| CISPR 32, Ed. 2.1 (2015) + A1 (2019) | Electromagnetic compatibility of multimedia equipment - Emission requirements |

## Immunity

| ***Designation*** | ***Description*** |
|---|---|
| EN 55024 (2010) + A1 (2015) | Information technology equipment. Immunity characteristics. Limits and methods of measurement |

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| IEC 61000-4-2, Ed. 2.0 (2008-12) | Electromagnetic compatibility (EMC) - Part 4-2: Testing and measurement techniques - Electrostatic discharge immunity test |
| EN 61000-4-2 (2009) | Electromagnetic compatibility (EMC) - Part 4-2 : Testing and measurement techniques - Electrostatic discharge immunity test |
| IEC 61000-4-3, Ed. 4.0 (2020-09) | Electromagnetic compatibility (EMC) - Part 4-3: Testing measurement techniques - Radiated, radio-frequency, electromagnetic field immunity test |
| EN IEC 61000-4-3:2020 | Electromagnetic compatibility (EMC) - Part 4-3: Testing measurement techniques - Radiated, radio-frequency, electromagnetic field immunity test (IEC 61000-4-3:2020) |
| EN 61000-4-4 (2012) | Electromagnetic compatibility (EMC). Testing and measurement techniques. Electrical fast transient/burst immunity test |
| IEC 61000-4-4, Ed. 3.0 (2012-04) | Electromagnetic compatibility (EMC) - Part 4-4: Testing and measurement techniques - Electrical fast transient/burst immunity test |
| IEC 61000-4-5 (2014) + A1 (2017) | Electromagnetic compatibility (EMC) - Part 4-5: Testing and measurement techniques - Surge immunity test |
| EN 61000-4-5 (2014) + A1 (2017) | Electromagnetic compatibility (EMC). Testing and measurement techniques. Surge immunity test |
| IEC 61000-4-6 Ed. 5.0 (2023-06) | Electromagnetic compatibility (EMC) - Part 4-6: Testing and measurement techniques - Immunity to conducted disturbances, induced by radio-frequency fields |
| BS EN IEC 61000-4-6:2023 | Electromagnetic compatibility (EMC) - Part 4-6: Testing and measurement techniques - Immunity to conducted disturbances, induced by radio-frequency fields |
| IEC 61000-4-8 (2009) | Electromagnetic compatibility (EMC) - Part 4-8: Testing and measurement techniques - Power frequency magnetic field immunity test |
| EN 61000-4-8 (2010) | Electromagnetic compatibility (EMC). Testing and measurement techniques. Power frequency magnetic field immunity test |
| IEC 61000-4-11, Edition 3.0 (2020) | Electromagnetic Compatibility (EMC) – Part 4-11: Testing and measurement techniques – Voltage dips, short interruptions and voltage variations immunity tests for equipment with input current up to 16 A per phase |
| BS EN IEC 61000-4-11:2020 | Electromagnetic compatibility (EMC) – Part 4-11: Testing and measurement techniques – Voltage dips, short interruptions and voltage variations immunity tests for equipment with input current up to 16 A per phase |
| EN IEC 61000-4-11 (2020) | Electromagnetic Compatibility (EMC) – Part 4-11: Testing and measurement techniques – Voltage dips, short interruptions and voltage variations immunity tests for equipment with input current up to 16 A per phase |
| EN IEC 61000-6-1 (2019) | Electromagnetic compatibility (EMC). Generic standards. Immunity for residential, commercial and light-industrial environments |
| EN IEC 61000-6-2 (2019) | Electromagnetic compatibility (EMC). Generic standards. Immunity standard for industrial environments |

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| CISPR 24 (2010) + A1 (2015) | Information technology equipment - Immunity characteristics - Limits and methods of measurement |
| CISPR 35 (2016) | Electromagnetic compatibility of multimedia equipment - Immunity requirements |

## Accredited Test Methods in Support of FCC Approval Procedures

| ***Designation*** | ***Description*** |
|---|---|
| ANSI C63.4 (2014) | Unintentional Radiators in 47 CFR FCC Part 15, Subpart B |