

Scope of Accreditation

(Measurement Method)

Accreditation Number: VLAC-034

Expiration Date: September 25, 2024

[Name of Laboratory]

**HAMAMATSU PHOTONICS K. K. Quality Management Department
Product Safety & EMC Test Laboratory**

[Test site name]

Quality Management Center Test Site

[Test site Address]

**5000, Hirakuchi, Hamana-ku, Hamamatsu City, Shizuoka Pref.,
434-8601 Japan**

[Measurement Methods]

Emission test

Radiated disturbance: Enclosure Port

Disturbance electric field test

[Test condition]

On the reference ground plane, Measurement Distance: 3 m / 10m

Measurement Frequency Range: 30 MHz - 1 GHz

Conducted disturbance Measurement: AC mains port

Voltage Measurement [Test condition] AMN

Immunity test

Electro static discharge test

Contact discharge, Air discharge, Indirect discharge

Radiated electromagnetic field strength

Measurement Frequency Range: 80 MHz – 6 GHz

Radiated fields in close proximity^{*1}

Measurement Frequency Range: 9 kHz – 26 MHz

Electrical fast transient/burst (EFT/B)

Mains port, Telecommunication/Signal port

Surge

Mains port

RF conducted interference

Mains port measurement Frequency Range: 150 kHz - 80 MHz

Telecommunication/ Signal port measurement Frequency Range: 150 kHz - 80 MHz

Radiated magnetic field

Interruptions and Voltage variations

^{*1}: Added as of December 19, 2023

Harmonic current

Harmonic current test

Voltage changes, Voltage fluctuations and Flicker test

Voluntary EMC Laboratory Accreditation Center Inc.

Scope of Accreditation

(Test standards)

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[Test standards]

Emission test

**CISPR 11:2009+A1:2010 / 2015+A1:2016+A2:2019
EN 55011:2009+A1:2010 / 2016+A1:2017+A11:2020+A2:2021
AS/NZS CISPR 11:2011
IEC 61000-6-3:2020, IEC 61000-6-4:2019
EN IEC 61000-6-3:2021, EN IEC 61000-6-4:2019**

The following groups of test standards are included in Emission tests, Immunity tests and Harmonic Test in Public Low Voltage Systems. [Note.1]

**IEC 60601-1-2:2014 / 2014+A1:2020^{*2}
EN 60601-1-2:2015 / 2015+A1:2021^{*2}
JIS T 0601-1-2:2018 / 2023^{*2}
IEC 61326-1:2012 / 2020, IEC 61326-2-6:2012 / 2020
EN 61326-1:2013, EN IEC 61326-1:2021
EN 61326-2-6:2013, EN IEC 61326-2-6:2021
^{*2}: Except CISPR14-1:2016 and ISO7637-2:2011.**

Immunity test

[Including the test standards listed in Note 1.]

**IEC 61000-4-2:2008 /-4-3:2006+A1:2007+A2:2010 /-4-3:2020 /-4-4:2004+A1:2010 /-4-4:2012
/-4-5:2005 /-4-5:2014 /-4-5:2014+A1:2017 /-4-6:2008 /-4-6:2013 /-4-8:2009 /4-11:2004 /-4-11:2020
EN 61000-4-2:2009 /4-4:2004+A1:2010 /-4-4:2012 /-4-5:2006 /-4-5:2014 /-4-5:2014+A1:2017
/-4-6:2009 /-4-6:2014 /-4-8:2010 /-4-11:2004,
EN IEC 61000-4-3:2006+A1:2008+A2:2010 /-4-3:2020 /-4-11:2020
IEC 61000-4-39:2017 (Except Clause 5.6), EN 61000-4-39:2017 (Except Clause 5.6)**

**IEC 61000-6-1:2016, IEC 61000-6-2:2016
EN IEC 61000-6-1:2019, EN IEC 61000-6-2:2019
AS/NZS 61000.6.1:2006, AS/NZS 61000.6.2:2006
JIS C 61000-6-1:2019, JIS C 61000-6-2:2019**

[Note 2] Underlined standards are added as of December 19, 2023.

Harmonic Test in Public Low Voltage Systems [Including the test standards listed in Note 1.]
IEC 61000-3-2:2005+A1:2008+A2:2009 / 2018, IEC 61000-3-3:2008 / 2013
EN 61000-3-2:2006+A1:2009+A2:2009, EN IEC 61000-3-2:2019, EN 61000-3-3:2008 / 2013
AS/NZS 61000.3.2:2013, AS/NZS 61000.3.3:2012
JIS C 61000-3-2:2019
IEC 61000-6-3:2020, EN IEC 61000-6-3:2021

Voluntary EMC Laboratory Accreditation Center Inc.

**The laboratory is only accredited for testing activities outlined within the test methods listed above.
If test standards do not include the edition, it means the latest one at the date of renewal (9.26, 2022).**