

Scope of Accreditation

(Measurement Method)

Accreditation Number: VLAC-018-2

Expiration Date: September 7, 2025

[Name of Laboratory]

e-OHTAMA, LTD.

[Test site name]

Yamanashi EMC Center, Ashigawa Laboratory

[Test site Address]

1661 Ohshuku, Ashigawa-cho, Fuefuki-shi, Yamanashi 409-3704, Japan

[Measurement Method]

Emission test

Radiated disturbance: Enclosure Port

Disturbance electric field test

[Test Condition] **On the reference ground plane, Measurement distance: 3 m / 10 m**

Measurement Frequency Range: 30 MHz – 1 GHz

[Test Condition] **Quasi Free Space: Measurement Frequency Range: 1 GHz – 30 GHz**

Disturbance magnetic field strength measurement [Test Condition] **Loop Antenna**

Disturbance electric power measurement [Test Condition] **Absorption clamp**

Conducted disturbance measurement: AC mains port

Disturbance voltage measurement [Test Condition] **AMN, High impedance probe**

Conductive interference measurement: Telecommunication port

Disturbance voltage measurement [Test Condition] **ISN, AAN, Capacitive Voltage Probe**

Disturbance current measurement [Test Condition] **Current probe**

Conductive interference measurement: DC power line port

Disturbance voltage measurement [Test Condition] **AMN, High impedance probe**

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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[Name of Laboratory]

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1661 Ohshuku, Ashigawa-cho, Fuefuki-shi, Yamanashi 409-3704, Japan

[Test standards]

Emission test

VCCI Technical Requirements: VCCI-CISPR 32*¹, J55032*¹, J55014-1*²

FCC 47CFR Part15 Subpart B: ANSI C63.4 -2014/ ANSI C63.4a -2017 (up to 30 GHz)

FCC 47CFR Part18: FCC MP-5(up to 30 GHz)

CISPR 11:2015+A1:2016+A2:2019*³, EN 55011:2016+A1:2017+A2:2021+A11:2020*³

AS CISPR 11:2017+A1:2020

CISPR 12:2007+A1:2009, EN 55012:2007+A1:2009

CISPR 14-1:2016*², EN 55014-1:2017+A11:2020*², AS CISPR 14.1:2018*²

CISPR 32:2015*¹, EN 55032:2015+A11:2020*¹, AS/NZS CISPR 32:2015

ICES-001(Issue5), ICES-003(Issue7)

IEC 61000-6-3:2006+A1:2010, EN 61000-6-3:2007+A1:2011

IEC 61000-6-4:2006+A1:2010 / 2018, EN 61000-6-4:2007+A1:2011 / 2019, EN 50370-1:2005

IEC 61800-3:2004+A1:2011*⁴, EN 61800-3:2004+A1:2012*⁴

IEC 61326-1:2012 / 2020, EN 61326-1:2013, EN IEC 61326-1:2021, JIS C 61326-1:2022

IEC 60601-1-2:2014+A1:2020, IEC 60601-2-37:2007+A1:2015

EN 60601-1-2:2015+A1:2021, EN 60601-2-37: 2008+A1:2015

JIS T 0601-1-2:2023, JIS T 0601-2-37:2018

*¹: Except for Annex C4.2, C4.3 and Annex H

*²: Except for Discontinuous noise test

*³: Except for Table 3-5 and Table 13-15

*⁴: Except for commutation notches and fieldbus in emission measurements

Harmonic Test in Public Low Voltage Systems

IEC 61000-3-2:2014 / 2018, EN 61000-3-2:2014, EN IEC 61000-3-2:2019, JIS C 61000-3-2:2019

IEC 61000-3-3:2013+A1:2017, EN 61000-3-3:2013+A1:2019

IEC 61000-3-11:2020 / 2017, EN 61000-3-11:2001, EN IEC 61000-3-11:2019

IEC 61000-3-12:2011, EN 61000-3-12:2011

IEC 61000-6-3:2006+A1:2010, EN 61000-6-3:2007+A1:2011

IEC 61326-1:2012 / 2020, EN 61326-1:2013 / 2021, JIS C 61326-1:2022

IEC 60601-1-2:2014+A1:2020, EN 60601-1-2:2015+A1:2021, JIS T 0601-1-2:2023

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 (9.8, 2023).