

Scope of Accreditation

(Measurement Method)

Accreditation Number: VLAC-038
Expiration Date: November 26, 2025

[Name of Laboratory]

SOSHIN ELECTRIC CO., LTD.

[Test site name]

Asama Testing Lab.

[Test site Address]

800-38 Nagatoro, Saku City, Nagano 385-0021 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 – 18 GHz

Disturbance magnetic field strength measurement

[Test condition] **Loop Antenna**

Conducted disturbance Measurement: AC mains port / DC power line port

Voltage Measurement [Test condition] **AMN, High impedance probe**

Conducted disturbance Measurement: Telecommunication port

Voltage Measurement [Test condition] **ISN, AAN**

Current Measurement [Test condition] **Current probe**

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

Measurement Frequency Range: 30 kHz – 13.56 MHz

Electrical fast transient/burst (EFT/B)

Mains port, Telecommunication/Signal port

Surge

Mains port, Telecommunication/Signal port

RF conducted interference

Mains port measurement frequency range: 150 kHz - 80 MHz

Telecommunication port measurement frequency range: 150 kHz - 80 MHz

Common mode disturbances

Radiated magnetic field

Interruptions and Voltage variations

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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[Test standards]

Emission test

VCCI Technical Requirement: VCCI-CISPR 32

FCC 47CFR Part15 Subpart B: ANSI C63.4-2014 (up to 18 GHz)

CISPR 11:2015+A1:2016+A2:2019, CISPR32:2015+A1:2019

EN 55011:2016+A1:2017+A11:2020+A2:2021, EN 55032:2015+A11:2020+A1:2020

IEC 61000-6-3:2020, IEC 61000-6-4:2018, IEC 61000-6-8:2020

EN 61000-6-3:2007+A1:2011, EN IEC 61000-6-3:2021

EN 61000-6-4:2007+A1:2011, EN IEC 61000-6-4:2019, EN IEC 61000-6-8:2020

ISO 22199:2009, EN 12015:2014 / 2020, EN 50370-1:2005

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

IEC 61326-1:2020, EN 61326-1:2013, EN IEC 61326-1:2021, 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

The following groups of test standards are included in Emission tests and Immunity tests. [Note.2]

IEC 61800-3:2022, EN 61800-3:2004+A1:2012, EN IEC 61800-3:2018

IEC 60533:2015, EN 60533:2015

IEC 60945:2002, EN 60945:2002

IEC 62236-3-2:2018, EN 50121-3-2:2016+A1:2019

IEC 62236-4:2018, EN 50121-4:2016+A1:2019

IEC 61326-2-6:2020, EN IEC 61326-2-6:2021, IEC 60092-504:2016, EN 50270:2015

Immunity test

[Including the test standards listed in Note 1 and Note 2.]

IEC 61000-4-2:2008 /-4-3:2006+A1:2007+A2:2010 /-4-3:2020 /-4-4:2012 /-4-5:2014+A1:2017

/-4-6:2013 /-4-8:2009 /-4-11:2004+A1:2017 /-4-11:2020 /-4-16:2015 /-4-39:2017 (Except for Section 5.6)

EN 61000-4-2:2009 /-4-3:2006+A1:2008+A2:2010 /-4-4:2012 /-4-5:2014+A1:2017 /-4-6:2014

/-4-8:2010 /-4-11:2004+A1:2017 /-4-16:2016 /-4-39:2017 (Except for Section 5.6)

EN IEC 61000-4-3:2020 /-4-11:2020

CISPR 24:2010+A1:2015, EN 55024

CISPR 35:2016*¹, EN 55035:2017+A11:2020*¹

IEC 61000-6-1:2016, IEC 61000-6-2:2016, IEC 61000-6-7:2014

EN 61000-6-1:2007, EN IEC 61000-6-1:2019

EN 61000-6-2:2005, EN IEC 61000-6-2:2019, EN 61000-6-7:2015

**IEC 61800-5-2:2016, EN 61800-5-2:2017
IEC 61326-3-1:2017, EN 61326-3-1:2017
ISO 22200:2009, EN 12016:2013
EN 50370-2:2003**

***1 Except for broadband impulse conduction disturbance test, Annex F, Annex G and Annex H.**

Harmonic Test in Public Low Voltage Systems [Including the test standards listed in Note 1.]

IEC 61000-3-2:2018+A1:2020+A2:2021, EN 61000-3-2:2014, EN IEC 61000-3-2:2019+A1:2021

IEC 61000-3-3:2013+A1:2017+A2:2021, EN 61000-3-3:2013+A1:2019+A2:2021

IEC 61000-3-11:2017, EN 61000-3-11:2000 / 2019

IEC 61000-3-12:2011+A1:2021, EN 61000-3-12:2011

IEC 61000-6-3:2020, EN 61000-6-3:2007+A1:2011, 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 (11.27, 2023).**