

# Scope of Accreditation

(Measurement Method)

**Accreditation Number: VLAC-054**  
**Expiration Date: June 30, 2025**

[Name of Laboratory]

**SEIWA ELECTRIC MFG. CO., LTD.**

[Test site name]

**Component System Div. EMC Lab 1**

[Test site Address]

**Terada-shin-ike 36, Joyo City, Kyoto 610-0192 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, 3-axis loop antenna

**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

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

**Conductive interference measurement: Telecommunication port** \*4

**Voltage measurement** [Test condition] High impedance probe

**Current measurement** [Test condition] Current probe

\*4: Added as of July 30, 2024.

## **Immunity test**

**Radiated electromagnetic field strength** Measurement frequency: 80 MHz – 6 GHz

**RF conducted interference**

**Mains port measurement frequency range:**150 kHz – 230 MHz

**Telecommunication/Signal port measurement frequency range:**150 kHz – 230 MHz

**Voluntary EMC Laboratory Accreditation Center Inc.**

# Scope of Accreditation

(Test standards)

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[Test Standards]

## Emission test

VCCI Technical Requirements: VCCI-CISPR 32<sup>\*2</sup>

J55011(H27), J55014-1(H27)<sup>\*1</sup>, J55032(H29)<sup>\*2</sup>, CISPRJ 32:2017<sup>\*2</sup>

CISPR 11:2015<sup>\*5</sup> / 2015+A1:2016<sup>\*5</sup> / 2015+A1:2016+A2:2019<sup>\*5</sup>

CISPR 14-1:2016<sup>\*1</sup> / 2020<sup>\*1</sup>

CISPR 32:2015<sup>\*2</sup> / 2015+A1:2019<sup>\*2</sup>

EN 55011:2016<sup>\*5</sup> / 2016+A1:2017<sup>\*5</sup> / 2016+A1:2017+A2:2021<sup>\*5</sup>

EN 55014-1:2017<sup>\*1</sup>, EN IEC 55014-1:2021<sup>\*1</sup>

EN 55032:2015<sup>\*2</sup> / 2015+A1:2021<sup>\*2</sup>

IEC 61000-6-3:2020<sup>\*1\*2\*5</sup>, IEC 61000-6-4:2018<sup>\*1\*5</sup>

EN IEC 61000-6-3:2021<sup>\*1\*2\*5</sup>, EN IEC 61000-6-4:2019<sup>\*1\*5</sup>

<sup>\*1</sup> Except for Discontinuous Disturbance.

<sup>\*2</sup> Except for Broadcast Receiver Equipment.

<sup>\*5</sup> Except for Conducted emission of DC power equipment.

## Immunity test

CISPR 14-2:2020<sup>\*3</sup>

EN IEC 55014-2:2021<sup>\*3</sup>

CISPR 35:2016<sup>\*3</sup>

EN 55035:2017<sup>\*3</sup>

<sup>\*3</sup> Only for Radiated RF Electromagnetic Field Immunity and Immunity to Conducted.

[Note-1] Underlined standards are added as of July 30, 2024.

**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 (7.1, 2023).