

# Scope of Accreditation

(Measurement Method)

Accreditation Number : VLAC-012

Expiration Date : November 21, 2020

[Name of Laboratory]

**NEC Platforms, Ltd.**

[Test site name]

**Takegawa EMC Center**

[Test site Address]

**800, Shimomata, Takegawa-shi, Shizuoka, 436-8501, Japan**

## Measurement Method

Emission test

Radiated disturbance : Enclosure Port

Disturbance electric field test

[Test condition]

On the reference ground plane, Measurement Distance : 3m

Measurement Frequency Range : 30 MHz – 1 GHz

[Test condition]

Quasi Free Space

Measurement Frequency Range : 1 GHz – 6 GHz

Conducted disturbance Measurement: AC mains port

Conducted disturbance Measurement: Voltage Measurement [Test condition] AMN

Conducted disturbance Measurement: Telecommunication port

Conducted disturbance Measurement: Voltage Measurement [Test condition] ISN, AAN

Conductive interference DC power line port

Conducted disturbance Measurement: 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

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/Signal port measurement Frequency Range : 150 kHz – 80 MHz

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.**

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(Test standards)

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## Test standards

### Emission test

**VCCI Technical Requirements: V-3/VCCI-CISPR 32**

**CISPR 22, CISPR 32, EN 55022, EN 55032**

### Immunity test

**CISPR 24, EN 55024**

**IEC 61000-4-2<sup>\*</sup>, IEC 61000-4-3<sup>\*</sup>, IEC 61000-4-4<sup>\*</sup>, IEC 61000-4-5<sup>\*</sup>**

**IEC 61000-4-6<sup>\*</sup>, IEC 61000-4-8<sup>\*</sup>, IEC 61000-4-11<sup>\*</sup>**

**EN 61000-4-2<sup>\*</sup>, EN 61000-4-3<sup>\*</sup>, EN 61000-4-4<sup>\*</sup>, EN 61000-4-5<sup>\*</sup>, EN 61000-4-6<sup>\*</sup>**

**EN 61000-4-8<sup>\*</sup>, EN 61000-4-11<sup>\*</sup>**

**\*: Applied to ITE only.**

### Harmonic Test in Public Low Voltage Systems

**IEC 61000-3-2, IEC 61000-3-3, JIS C61000-3-2**

**IEC 61000-6-3, EN 61000-6-3, EN 61000-3-2, EN 61000-3-3**

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