

## Details regarding VLAC-025 site

Accreditation No.	VLAC - 025
Name of Laboratory	Ishikawa Co., Ltd.
Test site name	Ishikawa EMC Laboratory
Address	2-3-18, Namamugi, Tsurumi-ku, Yokohama, Kanagawa, Japan, 230-0052
Responsible person	Tetsu Nagashima
TEL	045-500-2255
FAX	045-500-2256

### - SCOPE OF ACCREDITATION -

#### ***【Measurement Method】***

##### Emission Test

Radiated disturbance: Enclosure Port

Radiated field strength measurement ( CISPR 16-2-3, ANSI C63.4:2003 )

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

\* Quasi Free Space, Frequency Range ( 1GHz ~ 6GHz )

Radiated magnetic field strength measurement ( CISPR16-2-3 )

Disturbance power measurement ( CISPR16-2-2 )

[ Name of Test Facility ] 10m Semi-anechoic chamber, 3m Semi-anechoic chamber

Conducted disturbance: AC/DC mains port

Disturbance voltage measurement ( CISPR 16-2-1, ANSI C63.4:2003 )

[ Test Condition ] AMN ( CISPR 16-1-2 )

[ Name of Test Facility ] 10m Semi-anechoic chamber, 3m Semi-anechoic chamber

No.1 Shielded room, No.2 Shielded room

Conducted disturbance: Telecommunications port

Disturbance voltage measurement ( CISPR 22 Clause 9.6 and Annex C )

[ Test Condition ] AAN ( CISPR 16-1-2 )

Disturbance current measurement ( CISPR 22 Clause 9.6 and Annex C )

[ Test Condition ] Current probe ( CISPR 16-1-2 )

[ Name of Test Facility ] 10m Semi-anechoic chamber, 3m Semi-anechoic chamber

No.1 Shielded room, No.2 Shielded room

##### Immunity Test

ESD (IEC61000-4-2), Radiated electromagnetic field strength (IEC61000-4-3),

EFT/B (IEC61000-4-4): AC mains port/Telecommunications port,

Surge (IEC61000-4-5): AC mains port,

RF conducted (IEC61000-4-6): AC mains port/Telecommunications port,

Power frequency magnetic field (IEC61000-4-8),

Interruptions and voltage variations/dip (IEC61000-4-11)

[ Name of Test Facility ] 10m Semi-anechoic chamber, 3m Semi-anechoic chamber

No.1 Shielded room, No.2 Shielded room

##### Harmonic Test in Public Low Voltage Systems

Harmonic current (IEC61000-3-2), Voltage fluctuations and flicker (IEC61000-3-3)

[ Name of Test Facility ] 10m Semi-anechoic chamber, 3m Semi-anechoic chamber

No.1 Shielded room, No.2 Shielded room

## ***【Measurement Standard】***

### **Emission Test**

V-3 : VCCI Technical Requirement

FCC 47CFR/Part15 Subpart B/ANSI C63.4 (2003)

FCC 47CFR/Part18/MP-5

CISPR11, CISPR14-1, CISPR22, EN55011, EN55014-1, EN55022

J55001, J55011, J55014-1, J55022, CNS 13783-1, CNS 13438, CNS 13803

Den'an (Electrical Appliance and Material Safety) Law:

Measurement method of electromagnetic disturbance level (Part 4, Part5, Part 7)

AS/NZS CISPR11, AS/NZS CISPR14-1, AS/NZS CISPR22,

AS/NZS 61000.6.3, AS/NZS 61000.6.4

IEC61000-6-3, IEC61000-6-4, EN61000-6-3, EN61000-6-4

JIS T0601-1-2, IEC60601-1-2, EN60601-1-2

JIS C1806-1, IEC61326-1, EN61326-1, ICES-003

### **Immunity Test**

CISPR14-2, CISPR24, EN55014-2, EN55024

IEC61000-6-1, IEC61000-6-2, EN61000-6-1, EN61000-6-2

IEC61326-1, EN61326-1, IEC60601-1-2, EN60601-1-2

JIS C1806-1, JIS T0601-1-2

AS/NZS CISPR14-2, AS/NZS CISPR24, AS/NZS 61000.6.1, AS/NZS 61000.6.2

### **Harmonic Test in Public Low Voltage Systems**

IEC61000-3-2, JIS C61000-3-2, EN61000-3-2, AS/NZS 61000-3-2

IEC61000-3-3, EN61000-3-3, AS/NZS 61000-3-3

IEC61000-6-3, IEC61000-6-4, EN61000-6-3, EN61000-6-4

IEC61326-1, IEC60601-1-2, JIS C1806-1, JIS T0601-1-2

AS/NZS 61000.6.3, AS/NZS 61000.6.4