

Details regarding VLAC-022 site

Accreditation No.	VLAC-022
Name of Laboratory	Mitsubishi Electric Engineering Co., Ltd.
Test site name	EMC West Japan Center
Address	3-29-18 Akebono-cho, Fukuyama-shi, Hiroshima-ken 721-0952, Japan
Responsible person	Tokio Nakajima
TEL	+81-84-971-7381
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[Measurement Method]

Emission Test

Radiated disturbance: Enclosure Port

Radiated field strength measurement (CISPR 16-2-3, ANSI C63.4:2003/2009)

[Test Condition] * On the ground reference plane, Measurement distance: 3m, 10m
Frequency Range (30 MHz-26.5 GHz)
* Quasi Free Space, Frequency Range (1GHz~2 GHz)

Radiated magnetic field strength measurement (CISPR16-2-3) Loop ANT (CISPR16-1-4)

Disturbance power measurement (CISPR16-2-2) Clamp (CISPR 16-1-3)

[Name of Test Facility] Akebono site

Conducted disturbance: AC mains port

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

[Test Condition] AMN, High Impedance Probe (CISPR 16-1-2)

[Name of Test Facility] Akebono site

Conducted disturbance: Telecommunications port

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

[Test Condition] AAN (CISPR 22 Clause 9.6 and Annex D)

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

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

[Name of Test Facility] Akebono site

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] Akebono site (All immunity test above)

Seto site (Except radiated immunity test)

Midorimachi site (Except radiated immunity test)

Harmonic Test in Public Low Voltage Systems

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

[Name of Test Facility] Akebono site

[Measurement Standard]

Emission Test

V-3 : VCCI Technical Requirement

FCC 47CFR/Part15 Subpart B/ANSI C63.4 (2003/2009), Part 18/MP-5

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

J 55011, J55014-1, J 55022, ICES-001, ICES-003

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

IEC60601-1-2(Particular requirement IEC60601-2 series),

EN60601-1-2((Particular requirement EN60601-2 series)

JIS T0601-1-2(Particular requirement JIS T0601-2 series)

IEC61326-1(Particular requirement IEC61326-2 series),

EN61326-1(Particular requirement EN61326-2 series),

JIS C1806-1

Immunity Test

CISPR14-2, CISPR24, EN55014-2, EN55024

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

IEC60601-1-2(Particular requirement IEC60601-2 series),

EN60601-1-2((Particular requirement EN60601-2 series)

JIS T0601-1-2(Particular requirement JIS T0601-2 series)

IEC61326-1(Particular requirement IEC61326-2 series),

EN61326-1(Particular requirement EN61326-2 series),

JIS C1806-1

Harmonic Test in Public Low Voltage Systems

IEC61000-3-2, EN61000-3-2, IEC61000-3-3, EN61000-3-3, JIS C 61000-3-2

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

IEC60601-1-2(Particular requirement IEC60601-2 series),

EN60601-1-2((Particular requirement EN60601-2 series)

JIS T0601-1-2(Particular requirement JIS T0601-2 series)

IEC61326-1(Particular requirement IEC61326-2 series),

EN61326-1(Particular requirement EN61326-2 series),

JIS C1806-1