

Details regarding VLAC-023 site

Accreditation No.	VLAC - 023
Name of Laboratory	Mitsubishi Electric Engineering Co., Ltd.
Test site name	EMC East Japan Center
Address	325 Kamimachiya, Kamakura, Kanagawa 247-8520 Japan
Responsible person	Kazunari Shibuya
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- SCOPE OF ACCREDITATION -

【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 - 18.5 GHz)

Quasi Free Space, Frequency Range (1GHz - 6GHz)

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

Loop Antenna

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

(Test Facility) 10m Semi-anechoic chamber

Conducted disturbance: AC/DC mains port

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

(Test Condition) AMN, High-impedance probe (CISPR 16-1-2)

(Test Facility) 10m Semi-anechoic chamber

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)

(Test Facility) 10m Semi-anechoic chamber

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/Telecommunications 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)

(Test Facilities) 10m Semi-anechoic chamber, Immunity Test Room

Except Radiated Immunity test for Immunity Test Room

Harmonic Test in Public Low Voltage Systems

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

(Test Facility) Immunity Test Room

【Measurement Standard】

Emission Test

V-3 : VCCI Technical Requirement
FCC 47CFR/Part 15 Subpart B/ANSI C63.4 (2003/2009) , FCC 47CFR/Part18/MP-5
CISPR 11, CISPR 14-1, CISPR 22, EN 55011, EN 55014-1, EN 55022
J 55001, J 55011, J 55014-1, J 55022, ICES-001, ICES-003
Technical requirement of Electrical Appliances and Material Safety Act
for the disturbance noise level: Clause 1 of Ministerial Ordinance (Chapter 4 and 5)
AS/NZS 61000.6.3, AS/NZS 61000.6.4
AS/NZS CISPR 11, AS/NZS CISPR 14.1, AS/NZS CISPR 22
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

CISPR 14-2, CISPR 24, EN 55014-2, EN 55024
IEC 61000-6-1, IEC 61000-6-2, EN 61000-6-1, EN 61000-6-2
AS/NZS CISPR 14.2, AS/NZS CISPR 24, AS/NZS 61000.6.1, AS/NZS 61000.6.2
JIS C61000-6-1, JIS C61000-6-2
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

IEC 61000-3-2, JIS C61000-3-2, EN 61000-3-2
IEC 61000-3-3, EN 61000-3-3
IEC61000-6-3, IEC61000-6-4, EN61000-6-3, EN61000-6-4
AS/NZS 61000.3.2, AS/NZS 61000.3.3, AS/NZS 61000.6.3, AS/NZS 61000.6.4
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