

Details regarding VLAC-014 site

Accreditation No.	VLAC-014
Name of Laboratory	Mitsubishi Electric Corporation
Test site name	EMC Technology Center
Address	Mitsubishi Electric Corporation, Information Technology R&D Center 5-1-1 Ofuna, Kamakura-shi, Kanagawa-ken 247-8501
Responsible person	Koichiro Misu
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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

* 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 EMC Semi-Anechoic Chamber, 3m EMC Semi-Anechoic Chamber

Conducted disturbance: AC mains port

Disturbance voltage measurement (CISPR 16-2-1, ANSI C63.4:2003 / 2009)

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

[Name of Test Facility] 10m EMC Semi-Anechoic Chamber,
3m EMC Semi-Anechoic Chamber, Shielded Enclosure

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 EMC Semi-Anechoic Chamber,
3m EMC Semi-Anechoic Chamber, Shielded Enclosure

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 EMC Semi-Anechoic Chamber,
Mains line test room (Except radiated immunity test)
Shielded Enclosure (Except radiated immunity test)
Small EMC Semi-anechoic chamber (Only ESD, Radiated immunity
and Power frequency magnetic field)
ESD Test room(only ESD)

Harmonic Test in Public Low Voltage Systems

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

[Name of Test Facility] 10m EMC Semi-Anechoic Chamber, Mains line test room

[Measurement Standard]

Emission Test

V-3 : VCCI Technical Requirement

FCC 47CFR/Part15 Subpart B/ANSI C63.4 (2003 / 2009)

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

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

IEC61326-1, EN61326-1

Immunity Test

CISPR14-2, CISPR24, EN55014-2, EN55024

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

IEC61326-1, EN61326-1

Harmonic Test in Public Low Voltage Systems

IEC61000-3-2, EN61000-3-2, IEC61000-3-3, EN61000-3-3

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

IEC61326-1