

Scope of Accreditation

(Measurement Method)

Accreditation Number : VLAC-027-1

Expiration Date : November 30, 2019

[Name of Laboratory]

Japan Electrical Safety & Environment Technology Laboratories
[Test site name]

YOKOHAMA LABORATORY EMC TESTING CENTER

[Test site Address]

1-12-30 Motomiya, Tsurumi-ku, Yokohama 230-0004 JAPAN

Measurement Method

Emission test

Radiated disturbance : Enclosure Port

Disturbance electric field test (CISPR16-2-3, ANSI C63.4-2014)

[Test condition] On the reference ground plane

Measurement distance : 3m/10m

Measurement Frequency Range : 30 MHz – 26.5 GHz

[Test condition] Quasi Free Space

Measurement Frequency Range : 1 GHz – 18 GHz

Disturbance magnetic field strength measurement

[Test condition] Loop Antenna, 3-axis Loop Antenna (CISPR16-1-4)

Disturbance power measurement

[Test condition] CMAD (CISPR 16-1-3)

Conducted disturbance Measurement: AC mains port (CISPR 16-2-1, ANSI C63.4-2014)

[Test condition] AMN, High-impedance probe (CISPR16-1-2)

Conducted disturbance Measurement: Telecommunication port (CISP R 22, CISPR 32)

[Test condition] AMN (CISPR 22), AAN (CISPR 32)

Conducted disturbance Measurement: Current measurement (CISP R 22, CISPR 32)

[Test condition] Current probe

Conducted disturbance Measurement: DC power line port (CISPR16-1-2)

[Test condition] AMN, High impedance probe

Antenna port/RF modulator output port/Tuner port/Fiber port disturbance voltage Measurement

[Test condition] Wanted signal and disturbance voltage test at the RF output disturbance voltage

Measurement, Selective voltmeter

Immunity test

Electro static discharge test

IEC 61000-4-2/EN 61000-4-2

Radiated electromagnetic field strength

IEC 61000-4-3/EN 61000-4-3

Measurement frequency range : 26 MHz – 6 GHz

Electrical fast transient/burst (EFT/B)

IEC 61000-4-4/EN 61000-4-4

Mains port, Telecommunication/Signal port

Surge

IEC 61000-4-5/EN 61000-4-5

Mains port, Telecommunication/Signal port

RF conducted interference

IEC 61000-4-6/EN 61000-4-6

Mains port measurement frequency range : 150 kHz – 230 MHz

Telecommunication port measurement frequency range : 150 kHz – 230 MHz

Radiated magnetic field

IEC 61000-4-8/EN 61000-4-8

Interruptions and Voltage variations

IEC 61000-4-11/EN 61000-4-11

Harmonic current

Harmonic current test (IEC 61000-3-2)

Flicker test (IEC 61000-3-3, IEC 61000-3-11)

Voluntary EMC Laboratory Accreditation Center Inc.

Scope of Accreditation

(Test standards)

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Test standards

Emission test

VCCI Technical Requirements:V3/VCCI-CISPR 32

FCC Part15 Subpart B : ANSI C63.4-2014, FCC Part18/MP-5

CISPR 11, CISPR 13, CISPR 14-1, CISPR 22, CISPR 32

EN 55011, EN 55013, EN 55014-1, EN 55022, EN 55032

Technical requirements under the Electrical Appliances and Materials safety Act appendix 10 Chapter 2/ 3/ 4/ 5/ 6/ 7/ 8/ 9

J55001, J55013, J55014-1, J55022, Enforcement rule of Radio Law : Article 46.7

AS/NZS CISPR 11, AS/NZS CISPR 13, AS/NZS CISPR 14-1, AS/NZS CISPR 15

AS/NZS CISPR 22, AS/NZS CISPR 32, AS/NZS 61000-6-3, AS/NZS 61000-6-4

ICES-001, ICES-003, K00013, K00014-1, K00015, KN15, K00022, KN22, GB4343.1, GB9254

IEC 61000-6-3, IEC 61000-6-4, EN 61000-6-3, EN 61000-6-4

IEC 61326-1(Particular requirements IEC 61326-2 series)

EN 61326-1(Particular requirements EN 61326-2 series)

IEC 60601-1-2(Particular requirements IEC 60601-2 series)

EN 60601-1-2(Particular requirements EN 60601-2 series)

JIS C 1806-1, JIS T 0601-1-2(Particular requirements JIS T 0601-2 series)

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 C 61000-6-1, JIS C 61000-6-2, J1000

K00014-2, K00024, KN24, GB4343.2, IEC 61547, EN 61547, KN61547

IEC 61326-1(Particular requirements IEC 61326-2 series)

EN 61326-1(Particular requirements EN 61326-2 series)

IEC 60601-1-2(Particular requirements IEC 60601-2 series)

EN 60601-1-2(Particular requirements EN 60601-2 series)

JIS C 1806-1, JIS T 0601-1-2(Particular requirements JIS T 0601-2 series)

Harmonic Test in Public Low Voltage Systems

IEC 61000-3-2, IEC 61000-3-3, IEC 61000-3-11, JIS C 61000-3-2

IEC 61000-6-3, IEC 61000-6-4, EN 61000-6-3, EN 61000-6-4

EN 61000-3-2, EN 61000-3-3, EN 61000-3-11

AS/NZS 61000-3-2, AS/NZS 61000-3-3, AS/NZS 61000-3-11, AS/NZS 61000-6-3

AS/NZS 61000-6-4, GB17625.1

IEC 61326-1(Particular requirements IEC 61326-2 series)

EN 61326-1(Particular requirements EN 61326-2 series)

IEC 60601-1-2(Particular requirements IEC 60601-2 series)

EN 60601-1-2(Particular requirements EN 60601-2 series)

JIS C 1806-1, JIS T 0601-1-2(Particular requirements JIS T 0601-2 series)

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