

Scope of Accreditation

(Measurement Method)

Accreditation Number : VLAC-027-1

Expiration Date : September 30, 2022

[Name of Laboratory]

Japan Electrical Safety & Environment Technology Laboratories

[Test site name]

JET Yokohama, 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

[Test condition] On the reference ground plane: Measurement distance : 3m/10m

Measurement Frequency Range : 30 MHz - 1 GHz

[Test condition] Quasi Free Space

Measurement Frequency Range : 1 GHz – 26.5 GHz

Disturbance magnetic field strength measurement

[Test condition] Loop Antenna, 3-axis Loop Antenna

Disturbance power measurement

[Test condition] CMAD

Conducted disturbance Measurement: AC mains port

Voltage measurement

[Test condition] AMN, High-impedance probe

Conducted disturbance Measurement: Telecommunication port

Voltage measurement

[Test condition] ISN, AAN

Current measurement

[Test condition] Current probe

Conducted disturbance Measurement: DC power line port

Voltage measurement

[Test condition] AMN, High-impedance probe

Conducted disturbance Measurement:

Antenna port, RF Modulator output port, Tuner port, Fiber port

Wanted signal and Voltage test at the RF output [Test condition] Selective voltmeter

Immunity test

Electro static discharge test

Contact discharge, Air discharge, Indirect discharge

Radiated electromagnetic field strength

Measurement frequency range : 26 MHz – 6 GHz

Electrical fast transient/burst (EFT/B)

Mains port, Telecommunication/Signal port

Surge

Mains port, Telecommunication/Signal port

RF conducted interference

Mains port measurement frequency range : 150 kHz - 230 MHz

Telecommunication port measurement frequency range : 150 kHz - 230 MHz

Radiated magnetic field

Interruptions and Voltage variations

Harmonic current

Harmonic current test

Voltage changes, Voltage fluctuations and Flicker test

Voluntary EMC Laboratory Accreditation Center Inc.

Scope of Accreditation

(Test standards)

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[Test standards]

Emission test

VCCI Technical Requirements: VCCI-CISPR 32, CISPRJ 15, CISPRJ 32

FCC 47 CFR Part15 Subpart B: ANSI C63.4 -2014 (up to 26.5 GHz)

FCC 47 CFR Part18: FCC MP-5 (February 1986) (up to 26.5 GHz)

CISPR 11, CISPR14-1, CISPR 15, CISPR 22, CISPR 32

EN 55011, EN 55014-1, EN 55015, EN 55022, EN 55032

Description of the technical requirements by the METI Ordinance Appendix 10 Chapter 2/3/4/5/6/7/8/9

J55001, J55014-1, J55015, J55022, J55032, Enforcement rule of Radio Law: Article 46.7

AS CISPR 11, AS/NZS CISPR 13, AS CISPR 14.1, AS 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, KN32, GB4343.1, GB9254

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

IEC 61326-1, IEC 61326-2-1/-2-2/-2-3/-2-4/-2-5/-2-6

EN 61326-1, EN 61326-2-1/-2-2/-2-3/-2-4/-2-5/-2-6

JIS C 61326-1, JIS C 61326-2-1/-2-2/-2-3/-2-6

IEC 60601-1-2, IEC 60601-2-1/-2-2/-2-3/-2-4/-2-5/-2-6/-2-8/-2-10/-2-11/-2-12/-2-16/-2-17/-2-18/-2-19/

-2-20/-2-21/-2-22/-2-23/-2-24/-2-25/-2-26/-2-27/-2-28/-2-29/-2-31/-2-33/-2-34/-2-36/-2-37/-2-39/-2-40/

-2-41/-2-43/-2-44/-2-45/-2-46/-2-47/-2-49/-2-50/-2-52/-2-54/-2-57/-2-62/-2-63/-2-64/-2-65/-2-66/-2-68/

-2-75/-2-76/-2-83, IEC 80601-2-26/-2-27/-2-30/-2-35/-2-49/-2-58/-2-59/-2-60/-2-71/-2-77/-2-78

, ISO 80601-2-12/-2-13/-2-55/-2-56/-2-61/-2-67/-2-69/-2-70/-2-72/-2-74/-2-79/-2-80

EN 60601-1-2, EN 60601-2-1/-2-2/-2-3/-2-4/-2-5/-2-6/-2-8/-2-10/-2-11/-2-12/-2-16/-2-17/-2-18/-2-19/

-2-20/-2-21/-2-22/-2-23/-2-24/-2-25/-2-26/-2-27/-2-28/-2-29/-2-31/-2-33/-2-34/-2-36/-2-37/-2-39/-2-40/

-2-41/-2-43/-2-44/-2-45/-2-46/-2-47/-2-49/-2-50/-2-52/-2-54/-2-57/-2-62/-2-63/-2-64/-2-65/-2-66/-2-68/

-2-75/-2-76, EN 80601-2-26/-2-27/2-30/-2-35/-2-49/-2-55/-2-56/-2-58/-2-59/-2-60/-2-61/-2-71/-2-77/

-2-78

JIS T 0601-1-2, JIS T 0601-2-2/-2-3/-2-5/-2-6/-2-10/-2-16/-2-18/-2-21/-2-24/-2-25/-2-35/-2-37/-2-39/

-2-40/-2-47/-2-49/-2-50/-2-61/-2-63/-2-64/-2-65/-2-66/-2-68/-2-201/-2-202/-2-203/-2-204/-2-205/-2-206/

-2-207/-2-208, JIS T 60601-2-47/-2-63/-2-65/-2-68, JIS T 80601-2-35/-2-55/-2-60/-2-61/-2-77/-2-78

Immunity test

IEC 61000-4-2/-4-3/-4-4/-4-5/-4-6/-4-8/-4-11
CISPR 14-2, CISPR 24, CISPR 35 (Except for Subclause 4.2.7)
EN 55014-2, EN 55024, EN 55035 (Except for Subclause 4.2.7)
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, KN35 (Except for Subclause 4.2.7), GB4343.2
IEC 61547, EN 61547, KN61547
IEC 61326-1, IEC 61326-2-1/-2-2/-2-3/-2-4/-2-5/-2-6
EN 61326-1, EN 61326-2-1/-2-2/-2-3/-2-4/-2-5/-2-6
JIS C 61326-1, JIS C 61326-2-1/-2-2/-2-3/-2-6
IEC 60601-1-2, IEC 60601-2-1/-2-2/-2-3/-2-4/-2-5/-2-6/-2-8/-2-10/-2-11/-2-12/-2-16/-2-17/-2-18/-2-19/
-2-20/-2-21/-2-22/-2-23/-2-24/-2-25/-2-26/-2-27/-2-28/-2-29/-2-31/-2-33/-2-34/-2-36/-2-37/-2-39/-2-40/
-2-41/-2-43/-2-44/-2-45/-2-46/-2-47/-2-49/-2-50/-2-52/-2-54/-2-57/-2-62/-2-63/-2-64/-2-65/-2-66/-2-68/
-2-75/-2-76/-2-83, IEC 80601-2-26/-2-27/-2-30/-2-35/-2-49/-2-58/-2-59/-2-60/-2-71/-2-77/-2-78
, ISO 80601-2-12/-2-13/-2-55/-2-56/-2-61/-2-67/-2-69/-2-70/-2-72/-2-74/-2-79/-2-80
EN 60601-1-2, EN 60601-2-1/-2-2/-2-3/-2-4/-2-5/-2-6/-2-8/-2-10/-2-11/-2-12/-2-16/-2-17/-2-18/-2-19/
-2-20/-2-21/-2-22/-2-23/-2-24/-2-25/-2-26/-2-27/-2-28/-2-29/-2-31/-2-33/-2-34/-2-36/-2-37/-2-39/-2-40/
-2-41/-2-43/-2-44/-2-45/-2-46/-2-47/-2-49/-2-50/-2-52/-2-54/-2-57/-2-62/-2-63/-2-64/-2-65/-2-66/-2-68/
-2-75/-2-76, EN 80601-2-26/-2-27/2-30/-2-35/-2-49/-2-55/-2-56/-2-58/-2-59/-2-60/-2-61/-2-71/-2-77/
-2-78
JIS T 0601-1-2, JIS T 0601-2-2/-2-3/-2-5/-2-6/-2-10/-2-16/-2-18/-2-21/-2-24/-2-25/-2-35/-2-37/-2-39/
-2-40/-2-47/-2-49/-2-50/-2-61/-2-63/-2-64/-2-65/-2-66/-2-68/-2-201/-2-202/-2-203/-2-204/-2-205/-2-206/
-2-207/-2-208, JIS T 60601-2-47/-2-63/-2-65/-2-68, JIS T 80601-2-35/-2-55/-2-60/-2-61/-2-77/-2-78

Harmonic Test in Public Low Voltage Systems

IEC 61000-3-2, EN 61000-3-2, JIS C 61000-3-2, IEC 61000-3-3, EN 61000-3-3
IEC 61000-3-11, EN61000-3-11, IEC 61000-6-3, EN 61000-6-3
AS/NZS 61000.3.2, AS/NZS 61000.3.3, AS/NZS 61000.3.11, AS/NZS 61000.6.3, GB17625.1
IEC 61326-1, IEC 61326-2-1/-2-2/-2-3/-2-4/-2-5/-2-6
EN 61326-1, EN 61326-2-1/-2-2/-2-3/-2-4/-2-5/-2-6
JIS C 61326-1, JIS C 61326-2-1/-2-2/-2-3/-2-6
IEC 60601-1-2, IEC 60601-2-1/-2-2/-2-3/-2-4/-2-5/-2-6/-2-8/-2-10/-2-11/-2-12/-2-16/-2-17/-2-18/-2-19/
-2-20/-2-21/-2-22/-2-23/-2-24/-2-25/-2-26/-2-27/-2-28/-2-29/-2-31/-2-33/-2-34/-2-36/-2-37/-2-39/-2-40/
-2-41/-2-43/-2-44/-2-45/-2-46/-2-47/-2-49/-2-50/-2-52/-2-54/-2-57/-2-62/-2-63/-2-64/-2-65/-2-66/-2-68/
-2-75/-2-76/-2-83, IEC 80601-2-26/-2-27/-2-30/-2-35/-2-49/-2-58/-2-59/-2-60/-2-71/-2-77/-2-78
, ISO 80601-2-12/-2-13/-2-55/-2-56/-2-61/-2-67/-2-69/-2-70/-2-72/-2-74/-2-79/-2-80
EN 60601-1-2, EN 60601-2-1/-2-2/-2-3/-2-4/-2-5/-2-6/-2-8/-2-10/-2-11/-2-12/-2-16/-2-17/-2-18/-2-19/
-2-20/-2-21/-2-22/-2-23/-2-24/-2-25/-2-26/-2-27/-2-28/-2-29/-2-31/-2-33/-2-34/-2-36/-2-37/-2-39/-2-40/
-2-41/-2-43/-2-44/-2-45/-2-46/-2-47/-2-49/-2-50/-2-52/-2-54/-2-57/-2-62/-2-63/-2-64/-2-65/-2-66/-2-68/
-2-75/-2-76, EN 80601-2-26/-2-27/2-30/-2-35/-2-49/-2-55/-2-56/-2-58/-2-59/-2-60/-2-61/-2-71/-2-77/
-2-78
JIS T 0601-1-2, JIS T 0601-2-2/-2-3/-2-5/-2-6/-2-10/-2-16/-2-18/-2-21/-2-24/-2-25/-2-35/-2-37/-2-39/
-2-40/-2-47/-2-49/-2-50/-2-61/-2-63/-2-64/-2-65/-2-66/-2-68/-2-201/-2-202/-2-203/-2-204/-2-205/-2-206/
-2-207/-2-208, JIS T 60601-2-47/-2-63/-2-65/-2-68, JIS T 80601-2-35/-2-55/-2-60/-2-61/-2-77/-2-78

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