

Scope of Accreditation

(Measurement Method)

Accreditation Number: VLAC-027-1

Expiration Date: September 30, 2026

[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: 3 m / 10 m
Measurement Frequency Range: 30 MHz – 1 GHz**

[Test condition] **Quasi Free Space
Measurement Frequency Range: 1 GHz – 29 GHz**

Disturbance magnetic field strength measurement

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

Disturbance power measurement

[Test condition] **Absorbing clamp**

Conducted disturbance Measurement: AC mains port

Voltage measurement [Test condition] AMN, High-impedance probe

Conducted disturbance Measurement: Telecommunication port

Voltage measurement [Test condition] 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

Radiated fields in close proximity

Measurement Frequency Range: 9 kHz – 26 MHz

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

Patient Coupled 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)

Accreditation Number: VLAC-027-1

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[Name of Laboratory]

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[Test site Address]

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

[Test standards]

Emission test

VCCI Technical Requirements: VCCI-CISPR 32

J55011(H27), J55014-1(H27), J55015(H29), J55032(H29), CISPRJ 15:2017, CISPRJ 32:2017

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

Enforcement rule of Radio Law: Article 46.7

FCC 47 CFR Part15 Subpart B: ANSI C63.4-2014, ANSI C63.4a-2017 (up to 29 GHz)

FCC 47 CFR Part18: FCC MP-5(February 1986) (up to 29 GHz)

CISPR 11:2009+A1:2010 / 2015+A1:2016+A2:2019

CISPR 14-1:2005+A1:2008+A2:2011 / 2016 / 2020, CISPR 15:2013+A1:2015 / 2018

CISPR 32:2012 / 2015+A1:2019

EN 55011:2009+A1:2010 / 2016+A1:2017+A11:2020+A2:2021

EN 55014-1:2006+A1:2009+A2:2011 / 2017+A11:2020, EN IEC 55014-1:2021

EN 55015:2013+A1:2015, EN IEC 55015:2019+A11:2020

EN 55032:2012 / 2015+A11:2020+A1:2020

IEC 61000-6-3:2006+A1:2010 / 2020, IEC 61000-6-4:2006+A1:2010 / 2018, IEC 61000-6-8:2020

EN 61000-6-3:2007+A1:2011, EN IEC 61000-6-3:2021, EN 61000-6-4:2007+A1:2011

EN IEC 61000-6-4:2019, EN IEC 61000-6-8:2020

KS C 9610-6-3:2023, KS C 9610-6-4:2022

The scopes of the following standards groups are limited to emission tests, immunity tests and harmonic current tests. [refer to Note 1]

IEC 61326-1:2012 / 2020, IEC 61326-2-1:2012 /-2-1:2020 /-2-2:2012 /-2-2:2020 /-2-3:2012 /-2-3:2020 /-2-4:2012 /-2-4:2020 /-2-5:2012 /-2-5:2020 /-2-6:2012 /-2-6:2020

EN 61326-1:2013, EN 61326-2-1:2013 /-2-2:2013 /-2-3:2013 /-2-4:2013 /-2-5:2013 /-2-6:2013

EN IEC 61326-1:2021, EN IEC 61326-2-1:2021 /-2-2:2021 /-2-3:2021 /-2-4:2021 /-2-5:2021 /-2-6:2021

JIS C 61326-1:2017 / 2022, JIS C 61326-2-1:2017 /-2-1:2022 /-2-2:2017 /-2-2:2024 /-2-3:2019 /-2-3:2024 /-2-6:2019 /-2-6:2023

KS C IEC 61326-1:2018 / 2023, KS C IEC 61326-2-1:2018 /-2-1:2023 /-2-3:2019 /-2-4:2019 /-2-5:2019

IEC 60601-1-2:2014+A1:2020, IEC 60601-2-1:2020 /-2-2:2017+A1:2023

/-2-3:2012+A1:2016+A2:2022 /-2-4:2010+A1:2018 /-2-5:2009 /-2-6:2012+A1:2016+A2:2022

/-2-8:2010+A1:2015 /-2-10:2012+A1:2016+A2:2023 /-2-11:2013 /-2-16:2018 /-2-17:2013 /-2-18:2009

/-2-19:2020 /-2-20:2020 /-2-21:2020 /-2-22:2019 /-2-23:2011 /-2-24:2012 /-2-25:2011 /-2-27:2011
/-2-28:2017 /-2-29:2008 /-2-31:2020 /-2-33:2022 /-2-34:2011 /-2-35:2020+A1:2023 /-2-36:2014
/-2-37:2007+A1:2015 /-2-39:2018 /-2-40:2016 /-2-41:2021 /-2-43:2022 /-2-44:2009+A1:2012+A2:2016
/-2-45:2011+A1:2015+A2:2022 /-2-46:2023 /-2-47:2012 /-2-50:2020+A1:2023 /-2-52:2009+A1:2015
/-2-54:2022 /-2-57:2023 /-2-62:2013 /-2-63:2012+A1:2017+A2:2021 /-2-64:2014
/-2-65:2012+A1:2017+A2:2021 /-2-66:2019 /-2-68:2014 /-2-75:2017+A1:2023 /-2-76:2018+A1:2023
/-2-83:2019+A1:2022, IEC 80601-2-26:2019 /-2-30:2018 /-2-49:2018 /-2-58:2014+A1:2016
/-2-59:2017+A1:2023 /-2-60:2019 /-2-71:2015 /-2-77:2019 /-2-78:2019, ISO 80601-2-12:2020
/-2-13:2022 /-2-55:2018 /-2-56:2017+A1:2018 /-2-61:2017 /-2-67:2020 /-2-69:2020 /-2-70:2020
/-2-72:2023 /-2-74:2021 /-2-79:2018 /-2-80:2018

EN 60601-1-2:2015+A1:2021, EN 60601-2-3:2015+A1:2016 /-2-4:2011+A1:2019 /-2-5:2015
/-2-6:2015+A1:2016 /-2-8:2015+A1:2016 /-2-10:2015+A1:2016 /-2-11:2015 /-2-17:2015 /-2-18:2015
/-2-23:2015 /-2-24:2015 /-2-25:2015 /-2-27:2014 /-2-29:2008+A11:2021
/-2-33:2010+A11:2011+A1:2015+A2:2015+A12:2016 /-2-34:2014 /-2-36:2015
/-2-37:2008+A11:2011+A1:2015 /-2-40:2019 /-2-44:2009+A11:2011+A1:2012+A2:2016
/-2-45:2011+A1:2015 /-2-47:2015 /-2-52:2010+A1:2015 /-2-54:2009+A1:2015+A2:2019 /-2-57:2011
/-2-62:2015 /-2-63:2015+A1:2019+A2:2021 /-2-64:2015 /-2-65:2013+A1:2020+A2:2021 /-2-68:2015
, EN 80601-2-58:2015+A1:2019, EN IEC 60601-2-1:2021 /-2-2:2018 /-2-16:2019 /-2-19:2021
/-2-20:2020 /-2-21:2021 /-2-22:2020 /-2-28:2019 /-2-31:2020 /-2-35:2021 /-2-39:2019 /-2-41:2021
/-2-43:2023 /-2-46:2019 /-2-50:2021 /-2-66:2020 /-2-75:2019 /-2-76:2019 /-2-83:2020+A11:2021
, EN IEC 80601-2-26:2020 /-2-30:2019 /-2-49:2019 /-2-59:2019+A1:2023 /-2-60:2020 /-2-71:2018
/-2-77:2021 /-2-78:2020, EN ISO 80601-12:2020, EN ISO 80601-13:2022, EN ISO 80601-2-55:2018
/-2-56:2017+A1:2020 /-2-61:2019 /-2-67:2020 /-2-69:2020 /-2-70:2020 /-2-74:2021 /-2-79:2019
/-2-80:2019

JIS T 0601-1-2:2018 / 2023, JIS T 0601-2-2:2023 /-2-3:2015 /-2-5:2015 /-2-6:2015 /-2-10:2015
/-2-16:2022 /-2-18:2013 /-2-21:2019 /-2-24:2018 /-2-25:2014 /-2-35:2015 /-2-37:2018 /-2-39:2023
/-2-64:2016 /-2-66:2015 /-2-201:2015 /-2-202:2015 /-2-203:2015 /-2-204:2015 /-2-205:2015
/-2-206:2015 /-2-207:2015 /-2-208:2015, JIS T 60601-2-47:2018 /-2-63:2019 /-2-65:2019 /-2-68:2019
, JIS T 80601-2-55:2014 /-2-60:2021 /-2-61:2014 /-2-78:2022
KS C IEC 60601-1-2:2021

[Note-2] In emission testing, In-Situ are outside the scope of accreditation.

Immunity test

[Including the test standards listed in Note 1.]

IEC 61000-4-2:1995+A1:1998+A2:2000 /-4-2:2008 /-4-3:2002+A1:2002
/-4-3:2006+A1:2007+A2:2010 /-4-3:2020 /-4-4:1995+A1:2000+A2:2001 /-4-4:2004+A1:2010
/-4-4:2012 /-4-5:1995+A1:2000 /-4-5:2005 /-4-5:2014+A1:2017 /-4-6:2003+A1:2004+A2:2006
/-4-6:2008 /-4-6:2013 /-4-6:2023 /-4-8:1993+A1:2000 /-4-8:2009 /-4-11:2004+A1:2017 /-4-11:2020
/-4-39:2017

CISPR 14-2:1997+A1:2001+A2:2008 / 2015 /2020

CISPR 24:1997+A1:2001+A2:2002 / 2010+A1:2015, CISPR 35(4.2.7項を除く):2016

EN 55014-2:1997+A1:2001+A2:2008 / 2015, EN IEC 55014-2:2021

EN 55024:2010+A1:2015, EN 55035(.2.7項を除く):2017+A11:2020

IEC 61000-6-1:2005 / 2016, IEC 61000-6-2:2005 / 2016

EN 61000-6-1:2007, EN IEC 61000-6-1:2019, EN 61000-6-2:2005, EN IEC 61000-6-2:2019

JIS C 61000-6-1:2008 / 2019, JIS C 61000-6-2:2008 / 2019, J1000(H14)

KS C 9610-6-1:2019, KS C 9610-6-2:2019

IEC 61547:2009 / 2020, EN 61547:2009, EN IEC 61547:2023

Harmonic Test in Public Low Voltage Systems [Including the test standards listed in Note 1.

IEC 61000-3-2:2005+A1:2008+A2:2009 / 2014 / 2018+A1:2020

EN 61000-3-2:2006+A1:2009+A2:2009 / 2014, EN IEC 61000-3-2:2019+A1:2021

JIS C 61000-3-2:2019

IEC 61000-3-3:2013+A1:2017+A2:2021, EN 61000-3-3:2013+A1:2019+A2:2021

IEC 61000-3-11:2000 / 2017, EN 61000-3-11:2000, EN IEC 61000-3-11:2019

IEC 61000-6-3:2006+A1:2010 / 2020, IEC 61000-6-8:2020

EN 61000-6-3:2007+A1:2011, EN IEC 61000-6-3:2021, EN IEC 61000-6-8:2020

KS C 9610-6-3:2023

Voluntary EMC Laboratory Accreditation Center Inc.

**The laboratory is only accredited for testing activities outlined within the test methods listed above.
If test standards do not include the edition, it means the latest one at the date of renewal (10.1, 2024).**