

Scope of Accreditation

(Measurement Method)

Accreditation Number: VLAC-001-4

Expiration Date: April 30, 2026

[Name of Laboratory]

Japan Quality Assurance Organization

[Test site name]

Tsuru EMC Branch

[Test site Address]

2096, Tambozawa, Ohata, Tsuru-shi, Yamanashi 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 – 18 GHz

Disturbance magnetic field strength measurement

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

Disturbance electric power measurement

[Test condition] Absorption clamp

Conducted disturbance Measurement: AC mains port / DC power line 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

Immunity test

Electro static discharge test

Contact discharge, Air discharge, Indirect discharge

Radiated electromagnetic field strength

Measurement Frequency Range: 80 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/Signal 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

Telecommunication equipment performance 1

Test based on European Standards

Telecommunication equipment performance 2

Magnetic field strength [Test condition] Magnetic Field probe

Electrical field strength [Test condition] Electric Field probe

Voluntary EMC Laboratory Accreditation Center Inc.

Scope of Accreditation

(Test standards)

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2096, Tambozawa, Ohata, Tsuru-shi, Yamanashi Japan

[Test standards]

Emission test

VCCI Technical Requirements: VCCI-CISPR 32:2016*¹

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

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

Regulations for Enforcement of the Radio Law: Article 46.7 (Microwave Oven or IH Cooking Heater)

FCC 47 CFR Part 15 Subpart B: ANSI C63.4-2014, ANSI C63.4a-2017 (up to 18 GHz)

FCC 47 CFR Part 18: FCC MP-5 (February 1986) (up to 18 GHz)

CISPR 11:2009+A1:2010 / 2015+A1:2016+A2:2019, CISPR 12:2007+A1:2009

CISPR 14-1:2016+COR1:2016 / 2020, CISPR 15:2015+A1:2015 / 2018

CISPR 16-2-1:2014+A1:2017, CISPR 16-2-2:2010, CISPR 16-2-3:2016+A1:2019+A2:2023

CISPR 32:2015+COR1:2016+A1:2019*¹

EN 55011: 2016+A1:2017+A11:2020+A2:2021, EN 55012:2007+A1:2009

EN 55014-1:2017+A11:2020, EN IEC 55014-1:2021

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

EN 55016-2-1:2014+A1:2017, EN 55016-2-2:2011, EN 55016-2-3:2017+A1:2019

EN 55032:2015+A11:2020+A1:2020*¹

AS CISPR 11:2017, AS/NZS CISPR 12:2013, AS/NZS CISPR 14.1:2021, AS/NZS CISPR 15:2017

AS/NZS CISPR 32:2015+A1:2020*¹, KS C 9811:2019, KS C 9832:2019*¹

ICES-001(Issue 5), ICES-002(Issue 7), ICES-003(Issue 7)

GB 4824:2019, GB 4343.1:2018, GB/T 9254.1:2021*¹

CNS 13803:2018, CNS 13439:2004, CNS 13438:2006, CNS 13783-1:2013, CNS 15936:2016*¹

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

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

AS/NZS 61000.6.3:2021, AS/NZS 61000.6.4:2012

KS C 9610-6-3:2017, KS C 9610-6-4:2022

IEC 61131-2:2017, EN 61131-2:2007, IEC 60533:2015, JIS F 8081:2022, IACS UR E10:2021

IEC 60945:2002+COR1:2008, EN 60945:2002

Nippon Kaiji Kyokai Technical rule of Materials and Equipment for Marine Use: Article 7 Chapter 1

JIS T 9206:2017, IEC 61204-3:2016, EN 61204-3:2018, EN IEC 61204-3:2018, EN 50270:2015

IEC 62236-3-2:2018, EN 50121-3-2:2016+A1:2019

EN 50370-1:2005, EN 50104:2019, EN 60079-29-1:2016

*¹: Except for broadcast radio receivers.

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

IEC 61326-1:2005 / 2012 / 2020, IEC 61326-2-1:2020 /-2-2:2020 /-2-3:2020 /-2-6:2005 /-2-6:2012 /-2-6:2020

EN 61326-1:2006 / 2013, EN 61326-2-1:2013 /-2-2:2013 /-2-3:2013 /-2-6:2006 /-2-6:2013

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

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

IEC 60601-1-2:2014+A1:2020, IEC 60601-2-2:2017+A1:2023 /-2-5:2009 /-2-6:2012+A1:2016+A2:2022 /-2-8:2010+A1:2015 /-2-10:2012+A1:2016+A2:2023 /-2-16:2018 /-2-17:2013 /-2-18:2009 /-2-21:2020 /-2-23:2011 /-2-24:2012 /-2-25:2011 /-2-26:2012 /-2-27:2011+COR1:2012 /-2-29:2008 /-2-34:2011 /-2-35:2020 /-2-36:2014 /-2-37:2007+A1:2015 /-2-39:2018 /-2-40:2016 /-2-41:2021 /-2-43:2010+A1:2017+A2:2019 /-2-44:2009+A1:2012+A2:2016 /-2-45:2011+A1:2015+A2:2022 /-2-46:2016 /-2-47:2012 /-2-49:2018 /-2-50:2020 /-2-54:2022, IEC 80601-2-26:2019+COR1:2021 /-2-30:2018 /-2-49:2018, ISO 80601-2-12:2020 /-2-55:2018 /-2-61:2017

EN 60601-1-2:2015, EN 60601-2-2:2011 /-2-5:2015 /-2-6:2015+A1:2016 /-2-8:2015+A1:2016 /-2-10:2015+A1:2016 /-2-17:2015 /-2-18:2015 /-2-23:2015 /-2-24:2015 /-2-25:2015 /-2-26:2015 /-2-27:2014 /-2-29:2008+A11:2021 /-2-30:2015 /-2-34:2014 /-2-35:1996 /-2-36:2015 /-2-37:2008+A11:2011+A1:2015 /-2-39:2011 /-2-40:2019 /-2-41:2013 /-2-43:2010+A1:2018+A2:2020 /-2-44:2009+A11:2011+A1:2012+A2:2016 /-2-45:2011+A1:2015 /-2-46:2011 /-2-47:2015 /-2-49:2015 /-2-50:2016 /-2-54:2009+A1:2015+A2:2019 /-2-57:2011, EN IEC 60601-2-2:2018 /-2-16:2019 /-2-21:2021 /-2-26:2020 /-2-35:2021 /-2-39:2019 /-2-41:2021 /-2-50:2021 /-2-60:2020 , EN IEC 80601-2-26:2020 /-2-30:2019, EN ISO 80601-2-12:2020 /-2-55:2018 /-2-56:2017+A1:2020 /-2-61:2019

JIS T 0601-1-2:2018 / 2023, JIS T 0601-2-2:2020 /-2-5:2015 /-2-6:2015 /-2-10:2015 /-2-16:2022 /-2-18:2013 /-2-21:2019 /-2-24:2018 /-2-25:2014 /-2-37:2018 /-2-39:2013 /-2-39:2023 /-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 80601-2-60:2020 /-2-61:2014, JIS T 1115:2018 / 2023, JIS T 1140:2014, JIS T 1203:1998 , JIS T 1304:1998, JIS Z 4620:1999, JIS Z 4751-2-29:2005 /-2-43:2021 /-2-44:2018 /-2-45:2017 /-2-54:2021

KS C IEC 60601-1-2:2021

YY 0505:2012, YY 9706.102:2021

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

Immunity test

[Including the test standards listed in Note 1.]

CISPR 14-2:2015 / 2020, CISPR 35:2016*2

EN 55014-2:2015, EN IEC 55014-2:2021, EN 55035:2017+A11:2020*2

KS C 9835:2019*2

IEC 61000-4-2:2008 /-4-3:2006+A1:2007+A2:2010 /-4-3:2020 /-4-4:2012 /-4-5:2014+A1:2017 /-4-6:2013+COR1:2015 /-4-8:2009 /-4-11:2004+A1:2017 /-4-11:2020+COR1:2020+COR2:2022 /-4-39:2017, IEC TR 60601-4-2:2016

EN 61000-4-2:2009 /-4-3:2006+A1:2008+A2:2010 /-4-4:2012 /-4-5:2014+A1:2017

/-4-6:2014+AC:2015 /-4-8:2010 /-4-11:2004+A1:2017

EN IEC 61000-4-3:2020 /-4-11:2020+AC:2020+AC:2022

JIS C 61000-4-2:2012 /-4-3:2017 /-4-3:2022 /-4-4:2015 /-4-5:2018 /-4-6:2017 /-4-8:2016 /-4-11:2021

IEC 61000-6-1:2005 / 2016, IEC 61000-6-2:2005 / 2016, IEC 61000-6-7:2014*3

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

EN 61000-6-7:2015*3

JIS C 61000-6-1:2019, JIS C 61000-6-2:2019, JIS C 61000-6-7:2020

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

IEC 61131-2:2017, EN 61131-2:2007, IEC 60533:2015, JIS F 8081:2022^{*3}, IACS UR E10:2021
IEC 60945:2002+COR1:2008, EN 60945:2002
Nippon Kaiji Kyokai Technical rule of Materials and Equipment for Marine Use : Article 7 Chapter 1
JIS T 9206:2017, IEC 61204-3:2016, EN 61204-3:2018, EN IEC 61204-3:2018, EN 50270:2015
IEC 62236-3-2:2018, EN 50121-3-2:2016+A1:2019

EN 50370-2:2003, IEC 61547:2000 / 2020, EN 61547:2000 / 2009

*2 : Except for “Broadband impulsive conducted disturbances” and Annex H.

*3 : Excluding the scope of IEC 61000-4-16 and EN 61000-4-16.

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 61000-3-2:2014

EN IEC 61000-3-2:2019+A1:2021, JIS C 61000-3-2:2019

AS/NZS 61000.3.2:2013, GB 17625.1:2012

IEC 61000-3-3:2008 / 2013+A1:2017+A2:2021, EN 61000-3-3:2013+A1:2019+A2:2021

AS/NZS 61000.3.3:2012, GB 17625.2:2007, GB 17799.3:2012

IEC 61000-6-3:2006+A1:2010 / 2020, EN 61000-6-3:2007+A1:2011, EN IEC 61000-6-3:2021

Telecommunication equipment performance 1

EN 301 489-1:V.2.2.3, EN 301 489-3:V.2.1.1 / V.2.3.2, EN 301 489-17:V.3.2.4 / V.3.2.6(Draft)

Telecommunication equipment performance 2

IEC 62311:2019, IEC 62233:2005, IEC 62493:2015+A1:2022

EN 62311:2008, EN IEC 62311:2020, EN 62233:2008, EN 62493:2015+A1:2022

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 (5.1, 2024).