

Scope of Accreditation

(Measurement Method)

Accreditation Number: VLAC-041

Expiration Date: June 28, 2026

[Name of Laboratory]

Fujitsu General EMC Laboratory Limited

[Test site name]

Fujitsu General EMC Laboratory

[Test site Address]

3-3-17, Suenaga, Takatsu-ku, Kawasaki, 213-8502 JAPAN

[Measurement Methods]

Emission test

Radiated disturbance: Enclosure Port

Disturbance electric field test

[Test condition] **On the reference ground plane, Measurement distance: 10 m**

Measurement Frequency Range: 30 MHz - 1 GHz

[Test condition] **Quasi Free space**

Measurement Frequency Range: 1 GHz – 40 GHz

Disturbance magnetic field strength measurement [Test condition] **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**

Immunity test

Electro static discharge

Contact discharge, Air discharge, Indirect discharge

Radiated electromagnetic field strength

Measurement frequency range: 80 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/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 2

Magnetic field strength [Test condition] **Magnetic Field probe**

Voluntary EMC Laboratory Accreditation Center Inc.

Scope of Accreditation

(Test standards)

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[Test standards]

Emission test

VCCI Technical Requirements: VCCI-CISPR 32:2016

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

**Technical requirements under the Electrical Appliances and Materials safety Act appendix 10
Chapter 4 and Chapter 5**

FCC 47 CFR Part 15 Subpart B: ANSI C63.4-2014 (up to 40 GHz)

CISPR 11:2015+A1:2016+A2:2019, CISPR 14-1:2020, CISPR 15:2018, CISPR 22:2008

CISPR 32:2015+A1:2019

EN 55011:2020+A2:2021, EN 55014-1:2017+A11:2020, EN IEC 55014-1:2021

EN IEC 55015:2019+A11:2020, EN 55022:2010, EN 55032:2015+A11:2020+A1:2020

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

AS/NZS CISPR 22:2009+A1:2010, AS/NZS CISPR 32:2015+A1:2020

ICES-003(Issue 7), CNS 13438:2006,

IEC 61000-6-3:2020, IEC 61000-6-4:2018

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, AS 61000.6.4:2020,

EN 300 386:V.2.1.1 / V.2.2.1, EN 301 489-1:V.2.2.3, EN 301 489-3:V.2.1.1, EN 301 489-17:V.3.2.4

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

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

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

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

IEC 60601-1-2:2014+A1:2020, EN 60601-1-2:2015+A1:2021

JIS T 0601-1-2:2018 / 2023

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

Immunity test

[Including the test standards listed in Note 1.]

IEC 61000-4-2:2008 /-4-3:2006+A1:2007+A2:2010 /-4-3:2020 /-4-4:2004+A1:2010 /-4-4:2012
/-4-5:2005 /-4-5:2014+A1:2017 /-4-6:2008 /-4-6:2013 /-4-8:2009 /-4-11:2004+A1:2017 /-4-11:2020
/-4-34:2005+A1:2009 /-4-39:2017
EN 61000-4-2:2009 /-4-3:2006+A1:2008+A2:2010 /-4-4:2004+A1:2010 /-4-4:2012 /-4-5:2006
/-4-5:2014+A1:2017 /-4-6:2009 /-4-6:2014 /-4-8:2010 /-4-11:2010+A1:2017 /-4-34:2007+A1:2009
/-4-39:2017, EN IEC 61000-4-3:2020 /-4-11:2020

CISPR 14-2:2020, CISPR 24:2010+A1:2015, CISPR 35:2016
EN 55014-2:2015, EN IEC 55014-2:2021, EN 55024:2010+A1:2015, EN 55035:2017+A11:2020
IEC 61000-6-1:2016, IEC 61000-6-2:2016
EN 61000-6-1:2007, EN IEC 61000-6-1:2019, EN 61000-6-2:2005, EN IEC 61000-6-2:2019
EN 61547:2009

Harmonic Test in Public Low Voltage Systems

[Including the test standards listed in Note 1.]

IEC 61000-3-2:2018+A1:2020, EN 61000-3-2:2014, 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 61000-3-11:2017, EN 61000-3-11:2000, EN IEC 61000-3-11:2019
IEC 61000-3-12:2011+A1:2021, EN 61000-3-12:2011
IEC 61000-6-3:2020, EN 61000-6-3:2007+A1:2011, EN IEC 61000-6-3:2021

Telecommunication equipment performance 2

IEC 62233:2005, EN 62233:2008

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 (6.29, 2024).