

# Scope of Accreditation

(Measurement Method)

Accreditation Number: VLAC-041

Expiration Date: June 28, 2022

[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:10m

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] CMAD

**Conducted disturbance Measurement: AC mains port**

**Voltage Measurement** [Test condition] AMN, High-impedance probe

**Conducted disturbance Measurement: Telecommunication port**

**Voltage Measurement** [Test condition] AMN, 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**

**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**

**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

FCC 47 CFR Part 15 Subpart B: ANSI C63.4-2014

CISPR 11, CISPR 14-1, CISPR 15, CISPR 22, CISPR 32

EN 55011, EN 55014-1, EN 55015, EN 55022, EN 55032, EN 55103-1

Technical requirements under the Electrical Appliances and Materials safety Act appendix 10  
Chapter 4 and Chapter5

J55011, J55014-1, J55015, J55022, J55032, CISPRJ 32, AS CISPR 11, 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-003, CNS 13438, KN 22, IEC 61000-6-3, IEC 61000-6-4, EN 61000-6-3, EN 61000-6-4

EN 300 386, EN 301 489-1/-17

IEC 61326-1, IEC 61326-2-1/-2-2, EN 61326-1, EN 61326-2-1/-2-2

IEC 60601-1-2, EN 60601-1-2, JIS T 0601-1-2

## **Immunity test**

IEC 61000-4-2/-4-3/-4-4/-4-5/-4-6/-4-8/-4-11

EN 61000-4-2/-4-3/-4-4/-4-5/-4-6/-4-8/-4-11

CISPR 14-2, CISPR 24, CISPR 35, EN 55014-2, EN 55024, EN 55035

IEC 61000-6-1, IEC 61000-6-2, EN 61000-6-1, EN 61000-6-2, EN 55103-2, KN 24

EN 300 386, EN 301 489-1/-17

IEC 61326-1, IEC 61326-2-1/-2-2, EN 61326-1, EN 61326-2-1/-2-2

IEC 60601-1-2, EN 60601-1-2, JIS T 0601-1-2

## **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, EN 61000-3-11, IEC 61000-3-12, EN 61000-3-12,

IEC 61000-6-3, EN 61000-6-3, EN 300 386, EN 301 489-1/-17

IEC 61326-1, IEC 61326-2-1/-2-2, EN 61326-1, EN 61326-2-1/-2-2

IEC 60601-1-2, EN 60601-1-2, JIS T 0601-1-2

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