

Scope of Accreditation

(Measurement Method)

Accreditation Number: VLAC-033-1

Expiration Date: May 29, 2026

[Name of Laboratory]

BROTHER INDUSTRIES LTD.

[Test site name]

**BROTHER INDUSTRIES EMC Laboratory,
MIZUHO EMC testing Center**

[Test site Address]

1-1, Kawagishi-icchome, Mizuho-ku, Nagoya, Aichi, 467-8562 Japan

[Measurement Method]

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 power measurement [Test condition] Absorbing clamp

Conducted disturbance Measurement: AC mains port

Voltage Measurement [Test condition] AMN

Conducted disturbance Measurement: Telecommunication port

Voltage Measurement [Test condition] AAN

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 – 80 MHz

Telecommunication/Signal port measurement frequency range: 150 kHz – 80 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

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^{*1}, CISPRJ 32:2017^{*1}

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

CISPR 14-1:2020^{*2}, EN 55014-1:2017+A11:2020^{*2}, EN IEC 55014-1:2021^{*2}

AS/NZS CISPR 14.1:2021^{*2}

CISPR 32:2015+A1:2019^{*1}, EN 55032:2015+A11:2020+A1:2020^{*1}

AS/NZS CISPR 32:2015+A1:2020^{*1}

IEC 61000-6-4:2018, EN 61000-6-4:2007+A1:2011, EN IEC 61000-6-4:2019

KS C 9610-6-4:2022, ICES-003(Issue 7)

^{*1} Exclude FAR measurement, outdoor units of home satellite receiving systems and TV/FM receivers measurement.

^{*2} Excluded Click Disturbance, Conducted Disturbance of Associated port and Magnetic Field.

[Note 1] In emission testing, In-Situ are outside the scope of accreditation.

Immunity test

IEC 61000-4-2:2008 /-4-3:2020 /-4-4:2012 /-4-5:2014+A1:2017 /-4-6:2013 /-4-8:2009 /-4-11:2020

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

/-4-6:2014 /-4-8:2010 /-4-11:2014+A1:2017, EN IEC 61000-4-3:2020 /-4-11:2020

CISPR 14-2:2015, EN 55014-2:2015, AS/NZS CISPR 14.2:2015

CISPR 35:2016^{*3}, EN 55035:2017+A11:2020^{*3}

IEC 61000-6-2:2016, EN 61000-6-2:2005, EN IEC 61000-6-2:2019, KS C 9610-6-2:2019

^{*3} Exclude 4.2.7 Broadband Impulsive conducted disturbances, Broadcast receiver function test and xDSL function test.

Harmonic Test in Public Low Voltage Systems

IEC 61000-3-2:2020, 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

KS C 9610-3-2:2023, KS C 9610-3-3:2023

Telecommunication equipment performance 1

EN 301 489-1:V2.2.3, EN 301 489-3:V2.1.1 / V2.3.2, EN 301 489-17:V3.2.4

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 (5.30,2024).