

Scope of Accreditation

(Measurement Method)

Accreditation Number: VLAC-028
Expiration Date: November 30, 2025

[Name of Laboratory]

Murata Manufacturing. Co., Ltd

[Test site name]

Yokohama Technical Center EMM Site

[Test site Address]

1-18-1, Hakusan Midori-ku, Yokohama-shi, Kanagawa 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] On the reference ground plane, In-vehicle equipment test (1m Method)

Measurement Frequency Range: 150 kHz – 6 GHz

[Test condition] Quasi Free Space, Measurement Frequency Range: 1 GHz – 26.5 GHz

Conducted disturbance Measurement: AC mains port

Voltage measurement [Test condition] AMN

Conducted disturbance Measurement: DC power line port

Voltage measurement [Test condition] AMN

Conductive interference test against in-vehicle equipment

Immunity test

Electro static discharge test

Contact discharge, Air discharge, Indirect discharge

Radiated electromagnetic field strength

Measurement Frequency Range: 80 MHz – 6 GHz

Vehicle /In-vehicle equipment test

ESA (In-vehicle equipment) Emission

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^{*1 *2}

CISPR 32:2015+A1:2019^{*1 *2}, EN 55032:2015^{*1 *2}

FCC 47CFR Part15 Subpart B: ANSI C63.4 -2014^{*2}

^{*1} Except for measurement in a FAR. ^{*2} Except for broadcast radio receivers.

Immunity test

IEC 61000-4-2:2008, IEC 61000-4-3:2020

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

^{*3} Except for Continuous induced RF disturbances, Power frequency magnetic field, Electrical fast transients/burst (EFT/B), Surges, Voltage dips and interruptions, Broadband impulsive conducted disturbances, Annex A, B, C, E, F, G and H.

Vehicle /In-vehicle equipment test

CISPR 25:2021^{*4}

^{*4} Except for Vehicle test, Current probe method, Stripline method and Annex H.

CISPR 25:2016^{*5}

^{*4} Except for Vehicle test, TEM cell method, Current probe method, Stripline method and Annex I.

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 (12.19, 2023).**