

Scope of Accreditation

(Measurement Method)

Accreditation Number : VLAC-028

Expiration Date : November 30, 2023

[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 – 2.5 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}

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

CISPR 32^{*1 *2}, EN 55032^{*1 *2}

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

Immunity test

CISPR 35^{*3}, EN 55035^{*3}

IEC 61000-4-2, IEC 61000-4-3

^{*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^{*4}

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

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