

Scope of Accreditation

(Measurement Method)

Accreditation Number: VLAC-055
Expiration Date: February 28, 2026

[Name of Laboratory]

Chokuan Information and Industry Development Associatio

[Test site name]

Chokuan Industry Development Center ADOX Fukuoka EMC site

[Test site Address]

1245-2, Ueki Nogata-city, Fukuoka 822-0031, Japan

[Measurement Methods]

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] Quasi Free Space, Measurement Frequency Range: 1 GHz - 18 GHz

Disturbance magnetic field strength measurement [Test condition] Loop Antenna

Disturbance electric power measurement [Test Condition] Absorption clamp

Conducted disturbance Measurement: AC mains port

Voltage Measurement [Test condition] AMN

Conducted disturbance Measurement: Telecommunication port

Voltage Measurement [Test condition] AAN

Disturbance current measurement [Test Condition] Current probe

Conducted disturbance Measurement: DC power line port

Voltage Measurement [Test condition] AMN, High impedance probe

Disturbance electric field test Antenna port / RF Modulator output power / Tuner port / Fiber port

Voltage Measurement [Test condition] AAN

Current Measurement [Test condition] Current probe

Immunity test

Electro static discharge test

Contact discharge, Air discharge, Indirect discharge

**Radiated electromagnetic field strength
against off-vehicle**

Measurement Frequency Range: 80 MHz – 6 GHz

Measurement Frequency Range: 20 MHz – 2 GHz

Electrical fast transient/burst (EFT/B)

Mains port, Telecommunication/Signal port

Immunity to transient disturbances conducted along supply lines

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

Vehicle /In-vehicle equipment test

Vehicle Emission

Vehicle Immunity

Voluntary EMC Laboratory Accreditation Center Inc.

Scope of Accreditation

(Test standards)

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1245-2, Ueki Nogata-city, Fukuoka 822-0031, Japan

[Test Standards]

Emission test

CISPR 11:2015+A1:2016+A2:2019*¹, EN 55011:2016+A1:2017+A11:2020+A2:2021*¹

CISPR14-1:2016 / 2020, EN 55014-1:2017+A11:2020, EN IEC 55014-1:2021

CISPR 22:2008, EN 55022:2010

CISPR 32:2015+A1:2019*², EN 55032:2015+A11:2020+A1:2020*²

VCCI Technical Requirements: VCCI-CISPR 32:2016*²

FCC 47 CFR Part 15 Subpart B: ANSI C63.4-2014 (up to 18 GHz)

FCC 47 CFR Part 15 Subpart B: ANSI C63.4a-2017 (up to 18 GHz)

IEC 61000-6-3:2006+A1:2010 / 2020, EN 61000-6-3:2007+A1:2011

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

IEC 61326-1:2020, EN IEC 61326-1:2021

IEC 61326-2-6:2020, EN IEC 61326-2-6:2021

IEC 60601-1-2:2014+A1:2020, EN 60601-1-2:2015+A1:2021, JIS T 0601-1-2:2023

*¹ Except for clause 10. *² Except for broadcast radio receivers.

Immunity test

IEC 61000-4-2:2008, EN 61000-4-2:2009

IEC 61000-4-3:2006+A1:2007+A2:2010 / 2020, EN 61000-4-3:2006+A1:2008+A2:2010 / 2020

EN IEC 61000-4-3:2020

IEC 61000-4-4:2012, EN 61000-4-4:2012

IEC 61000-4-5:2014+A1:2017*³, EN 61000-4-5:2014+A1:2017*³

IEC 61000-4-6:2013, EN 61000-4-6:2014

IEC 61000-4-8:2009, EN 61000-4-8:2010

IEC 61000-4-11:2004+A1:2017 / 2020, EN 61000-4-11:2004+A1:2017, EN IEC 61000-4-11:2020

CISPR 14-2:2015 / 2020, EN 55014-2:2015, EN IEC 55014-2:2021

CISPR 24:2010+A1:2015*⁴, EN 55024:2010+A1:2015*⁴

CISPR 35:2016*⁵, EN 55035:2017+A11:2020*⁵

IEC 61000-6-1:2016, EN IEC 61000-6-1:2019

IEC 61000-6-2:2016, EN IEC 61000-6-2:2019

IEC 61326-1:2020, EN IEC 61326-1:2021

IEC 61326-2-6:2020, EN IEC 61326-2-6:2021

IEC 60601-1-2:2014+A1:2020*³, EN 60601-1-2:2015+A1:2021*³, JIS T 0601-1-2:2023*³

*³ Except for Clause 8.11.

*⁴ Except for Annex A and H. *⁵ Except for Annex A, F, G and H.

Harmonic Test in Public Low Voltage Systems

IEC 61000-3-2:2018+A1:2020, EN IEC 61000-3-2:2019+A1:2021

IEC 61000-3-3:2013+A1:2017+A2:2021, EN 61000-3-3:2013+A1:2019+A2:2021

Vehicle /In-vehicle equipment test

CISPR 12:2007+A1:2009, EN 55012:2007+A1:2009

ISO 14982:1998*⁶, EN ISO 14982:2009*⁶

ISO 10605:2008+A1:2014

ISO 11451-2:2015 (20 MHz – 2 GHz) *¹⁰

ISO 16750-2 :2012*⁸

ISO 7637-2:2011*⁹

***⁶ Except for clause 6.4, 6.5 and 6.6. *⁷ Except for clause 8 and 9.**

***⁸ Only for clause 4.6.3 and 4.6.4. *⁹ Except for Emission test.**

***¹⁰ Except for Parallel Plate Method.**

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 (3.1, 2024).**