

Scope of Accreditation

(Measurement Method)

Accreditation Number: VLAC-056

Expiration Date: December 31, 2026

[Name of Laboratory]

Yamaha Corporation

[Test site name]

Yamaha EMC Center

[Test site Address]

10-1 Nakazawa-cho, Chuo-ku, Hamamatsu, Shizuoka 430-8650

[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] Quasi Free Space

Measurement Frequency Range: 1 GHz - 26 GHz

Conducted disturbance Measurement: AC mains port

Voltage Measurement [Test condition] AMN

Conducted disturbance Measurement: Wired network port

Voltage Measurement [Test condition] AAN, Capacitive voltage probe

Current measurement [Test condition] Current probe

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

Voltage Measurement [Test condition] AAN

Immunity test

Electro static discharge test

Contact discharge, Air discharge, Indirect discharge

Radiated electromagnetic field strength

Measurement frequency: 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

Based on European standards

Voluntary EMC Laboratory Accreditation Center Inc.

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(Test standards)

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[Test standards]

Emission test

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

J55032(H29), VCCI Technical Requirements: VCCI-CISPR 32:2016

FCC 47 CFR Part 15 Subpart B: ANSI C63.4-2014, ANSI C63.4a-2017 (up to 26 GHz)

CISPR 16-2-1:2014+A1:2017, EN 55016-2-1:2014+A1:2017

CISPR 16-2-3:2010+A1:2010+A2:2014, EN 55016-2-3:2010+A1:2010+A2:2014

CISPR 16-2-3:2016+A1:2019+A2:2023, EN 55016-2-3:2017+A1:2019+A2:2023

ICES-003(Issue 7), AS/NZS CISPR 32:2015+A1:2020

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

Immunity test

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

IEC 61000-4-2:2008 /-4-3:2006+A1:2007+A2:2010 /-4-3:2020 /-4-4:2012 /-4-5:2014+A1:2017 /-4-6:2008 /-4-6:2013/-4-8:2009 /-4-11:2004+A1:2017 /-4-11:2020

EN 61000-4-2:2009 /-4-3:2006+A1:2008+A2:2010 /-4-4:2012 /-4-5:2014+A1:2017 /-4-6:2009 /-4-6:2014 /-4-8:2010 /-4-11:2004+A1:2017, EN IEC 61000-4-3:2020 /-4-11:2020

Harmonic Test in Public Low Voltage Systems

IEC 61000-3-2:2018+A1:2020+A2:2024, IEC 61000-3-3:2013+A1:2017+A2:2021

EN IEC 61000-3-2:2019+A1:2021+A2:2024, EN 61000-3-3:2013+A1:2019+A2:2021

JIS C 61000-3-2:2019

Electronic equipment in vehicles

IEC 61000-3-2:2018+A1:2020+A2:2024, IEC 61000-3-3:2013+A1:2017+A2:2021

EN IEC 61000-3-2:2019+A1:2021+A2:2024, EN 61000-3-3:2013+A1:2019+A2:2021

JIS C 61000-3-2:2019

Telecommunication equipment performance 1

EN 300 328:V.2.2.2*¹, EN 301 893:V2.1.1

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

EN 303 345-1:V.1.1.1, EN 303 345-2:V.1.2.1, EN 303 345-3:V.1.1.1, EN 303 345-4:V.1.1.1

*¹: Limited to radiated spurious emissions.

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 (1.1, 2025).