

Scope of Accreditation

(Measurement Method)

Accreditation Number: VLAC-040
Expiration Date: November 30, 2025

[Name of Laboratory]

KONICA MINOLTA, INC.

[Test site name]

Toyokawa EMC Lab.

[Test site Address]

168 Ninji, Yawata-cho, Toyokawa-shi, Aichi 442-8585, 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] **Quasi Free Space, Measurement Frequency Range: 1 GHz – 18 GHz**

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

Tests 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, J55032(H29)*¹

Technical requirements under the Electrical Appliances and Materials safety Act: appendix 10
Chapter 2 and Chapter 4

Enforcement rule of Radio Act: Article 46.2.7

FCC 47CFR Part15 Subpart B: ANSI C63.4-2014*² (up to 18 GHz)

FCC 47CFR Part15 Subpart B: ANSI C63.4a-2017 (up to 18 GHz)

FCC 47CFR Part18: FCC MP-5 (February 1986) (up to 18 GHz)

CISPR 11:2009+A1:2010*³ / 2015+A1:2016+A2:2019*³

EN 55011:2009+A1:2010*³ / 2016+A1:2017+A11:2020+A2:2021*³

AS CISPR 11:2017+A1:2020*³

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

AS/NZS CISPR 32:2015+A1:2020*¹

ICES-001(Issue 5), ICES-003(Issue 7)

IEC 61326-1:2012 / 2020, EN 61326-1:2013, EN IEC 61326-1:2021

*¹ Except for FAR measurements, satellite broadcast receivers measurements, and TV / FM
broadcast receivers measurements.

*² Except for 9.Radio-noise power, 12.Measurement of unintentional radiators other than ITE,
13.Limit relaxation for transients.

*³ Except for Group 2 equipment and the measurement distance of 3m for radiated emissions.

Immunity test

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

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

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

IEC 61000-6-2:2005 / 2016, EN 61000-6-2:2005, EN IEC 61000-6-2:2019

IEC 61326-1:2012 / 2020, EN 61326-1:2013, EN IEC 61326-1:2021

*⁴ Except for acoustic sound pressure test.

*⁵ Except for Annex A, D, E, H, F and acoustic sound pressure test of Annex G.

Harmonic Test in Public Low Voltage Systems

IEC 61000-3-2:2014 / 2018+A1:2020, IEC 61000-3-12:2011

EN 61000-3-2:2014, EN 61000-3-12:2011, EN IEC 61000-3-2:2019+A1:2021

JIS C 61000-3-2:2011 / 2019

IEC 61000-3-11:2000 / 2017, EN 61000-3-11:2000, EN IEC 61000-3-11:2019

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

IEC 61326-1:2012 / 2020, EN 61326-1:2013, EN IEC 61326-1:2021

Telecommunication characteristic test 1

EN 301 489-1: V.1.9.2 / V.2.1.1 / V.2.2.3

EN 301 489-3: V.2.1.1 / V.2.3.2

EN 301 489-17: V.3.1.1 / V.3.2.0 / V.3.2.4 / V.3.2.6

EN 300 328 (Scope cover Clause 5.4.9 and 5.4.10): V.2.2.2

EN 301 893 (Scope cover Clause 5.4.5 and 5.4.7): V.2.1.1

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 (12.1, 2023).**