

Scope of Accreditation

(Measurement Method)

Accreditation Number : VLAC-040

Expiration Date : November 30, 2023

[Name of Laboratory]

KONICA MINOLTA, INC.

[Test site name]

Toyokawa EMC Lab.

[Test site Address]

168 Ninji, Yawata-cho, Toyokawa-shi, Aichi 442-8585

[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

Disturbance magnetic field strength measurement

[Test condition] **Loop Antenna**

Conducted disturbance Measurement: AC mains port

Voltage measurement

[Test condition] **AMN**

Conducted disturbance Measurement: Telecommunication port

Voltage measurement

[Test condition] **ISN, AAN**

Current measurement

[Test condition] **Current probe**

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)

Accreditation Number : VLAC-040
Expiration Date : November 30, 2023

[Name of Laboratory]

KONICA MINOLTA, INC.

[Test site name]

Toyokawa EMC Lab.

[Test site Address]

168 Ninji, Yawata-cho, Toyokawa-shi, Aichi 442-8585

[Test standards]

Emission test

VCCI Technical Requirements : VCCI-CISPR 32^{*1}, J55032^{*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 Part 15 Subpart B: ANSI C63.4-2014^{*2} (up to 18 GHz)

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

CISPR 11^{*3}, EN 55011^{*3}, AS CISPR 11^{*3}, CISPR 32^{*1}, EN 55032^{*1}, AS/NZS CISPR 32^{*1}

ICES-001, ICES-003

IEC 61326-1, IEC 61326-2-1/-2-2/-2-3, EN 61326-1, EN 61326-2-1/-2-2/-2-3

^{*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^{*4}, EN 55024^{*4}, CISPR 35^{*5}, EN 55035^{*5}

IEC 61000-6-2, EN 61000-6-2

IEC 61000-4-2/-4-3/-4-4/-4-5/-4-6/-4-8/-4-11, EN 61000-4-2/-4-3/-4-4/-4-5/-4-6/-4-8/-4-11

IEC 61326-1, IEC 61326-2-1/-2-2/-2-3, EN 61326-1, EN 61326-2-1/-2-2/-2-3

^{*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, EN 61000-3-2, JIS C 61000-3-2, IEC 61000-3-3, EN 61000-3-3

IEC 61000-3-11, EN 61000-3-11, IEC 61000-3-12, EN 61000-3-12

IEC 61326-1, IEC 61326-2-1/-2-2/-2-3, EN 61326-1, EN 61326-2-1/-2-2/-2-3

Telecommunication characteristic test 1

EN 301 489-1/-3 /-17, EN 300 328 (Scope cover Clause 5.4.9 and 5.4.10)

EN 301 893 (Scope cover Clause 5.4.5 and 5.4.7)

Voluntary EMC Laboratory Accreditation Center Inc.