

Scope of Accreditation

(Measurement Method)

Accreditation Number :VLAC-050

Expiration Date : January 31, 2024

[Name of Laboratory]

FANUC Corporation.

[Test site name]

FANUC EMC Center

[Test site Address]

**3580 Shibokusa, Oshino-Mura, Minamituru-Gun,
Yamanashi Pref., Japan 401-0597**

[Measurement Method]

Emission test

Radiated disturbance : Enclosure Port

Disturbance electric field test

[Test condition] **On the reference ground plane, Measurement distance : 3m/10m
Measurement Frequency Range : 30 MHz - 1 GHz**

[Test condition] **Quasi Free Space,
Measurement Frequency Range : 1 GHz – 6 GHz**

Disturbance magnetic field strength measurement

[Test condition] **Loop Antenna, Measurement Frequency Range : 9 kHz – 30 MHz**

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 – 230 MHz

Telecommunication / Signal port measurement frequency range : 150 kHz – 230 MHz

Test for immunity to conducted, common mode disturbances in the frequency range : DC – 150 kHz

Radiated magnetic field

Interruptions and Voltage variations

Low frequency Immunity test

Measurement Frequency range : DC – 9 kHz

Harmonic current

Harmonic current test

Voltage changes, Voltage fluctuations and Flicker test

Voluntary EMC Laboratory Accreditation Center Inc.

Scope of Accreditation

(Test standards)

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[Test Standards]

Emission test

CISPR 11, CISPR 32*¹, EN 55011, EN 55032*¹

IEC 61000-6-3, IEC 61000-6-4, EN 61000-6-3, EN 61000-6-4

IEC 61326-1, IEC 61326-2-1/-2-2/-2-3/-2-5

EN 61326-1, EN 61326-2-1/-2-2/-2-3/-2-5

IEC 61800-3, EN 61800-3, EN 50370-1

***¹ Except for broadcast radio receivers**

Immunity test

IEC 61000-2-4, EN 61000-2-4, EN 61000-4-13*², IEC 61000-4-16, EN 61000-4-16

IEC 61000-6-1, IEC 61000-6-2, EN 61000-6-1, EN 61000-6-2, EN 61000-6-7

IEC 61326-1, IEC 61326-2-1/-2-2/-2-3/-2-5

EN 61326-1, EN 61326-2-1/-2-2/-2-3/-2-5

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

IEC 61800-3, EN 61800-3, EN 50370-2, EN 60146-1-1

***² Individual harmonic orders only**

Harmonic Test in Public Low Voltage Systems

IEC 61000-3-2, IEC 61000-3-12, IEC 61000-3-3, IEC 61000-3-11

IEC 61000-6-3, EN 61000-6-3

EN 61000-3-2, EN 61000-3-12, EN 61000-3-3, EN 61000-3-11

IEC 61326-1, IEC 61326-2-1/-2-2/-2-3/-2-5

EN 61326-1, EN 61326-2-1/-2-2/-2-3/-2-5

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