

Scope of Accreditation

(Measurement Method)

Accreditation Number: VLAC-039-1

Expiration Date: March 17, 2026

[Name of Laboratory]

Cosmos Corporation

[Test site name]

Matsusaka EMC Laboratory

[Test site Address]

781-1 Katsurase-cho, Matsusaka-shi, Mie-ken 515-1104, 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 - 6 GHz**

Disturbance magnetic field strength measurement [Test condition] **Loop Antenna**

Disturbance power measurement [Test condition] **Absorbing clamp**

Conducted disturbance Measurement, AC mains port

Voltage measurement [Test condition] **AMN, High impedance probe**

Conducted disturbance Measurement: Telecommunication port

Voltage measurement [Test condition] **AAN, Capacitive voltage probe**

Current measurement [Test condition] **Current probe**

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 – 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

Voluntary EMC Laboratory Accreditation Center Inc.

Scope of Accreditation

(Test standards)

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781-1 Katsurase-cho, Matsusaka-shi, Mie-ken 515-1104, Japan

[Test Standards]

Emission test

VCCI Technical Requirements: VCCI-CISPR 32:2016^{*1*2}

J55014-1(H27), J55032(H29)^{*1*2}

CISPR 11:2009+A1:2010 / 2015+A1:2016+A2:2019, CISPR 12:2007+A1:2009

CISPR 14-1:2016 / 2020, CISPR 32:2015+A1:2019^{*1*2}

EN 55011:2009+A1:2010 / 2016+A1:2017+A2:2021, EN 55012:2007+A1:2009

EN 55014-1:2017+A11:2020, EN IEC 55014-1:2021, EN 55032:2015+A1:2020+A11:2020^{*1*2}

AS CISPR 11:2017+A1:2020, AS/NZS CISPR 12:2013, AS/NZS CISPR 14.1:2021

AS/NZS CISPR 32:2015+A1:2020^{*1*2}

IEC 61000-6-3:2020, IEC 61000-6-4:2018

EN 61000-6-3:2007+A1:2011, EN 61000-6-4:2007+A1:2011, EN IEC 61000-6-4:2019

AS/NZS 61000.6.3:2012 / 2020, AS/NZS 61000.6.4:2012 / 2020

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

JIS C 61326-1:2017 / 2022

^{*1} Except for measurement in a FAR. ^{*2} Except for broadcast radio receivers.

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

Immunity test

IEC 61000-4-2:1995+A1:1998+A2:2000 /-4-2:2008 /-4-3:2006+A1:2007+A2:2010 /-4-3:2020

/-4-4:2012 /-4-5:2005 /-4-5:2014+A1:2017 /-4-6:2003+A1:2004+A2:2006 /-4-6:2008 /-4-6:2013

/-4-8:2009 /-4-11:2004+A1:2017 /-4-11:2020

CISPR 14-2:2015 / 2020, CISPR 35:2016^{*3}

EN 55014-2:2015, EN IEC 55014-2:2021, EN 55035:2017+A11:2020^{*3}

AS/NZS CISPR 14.2:2021

IEC 61000-6-1:2016, IEC 61000-6-2:2016

EN IEC 61000-6-1:2019, EN IEC 61000-6-2:2019

AS/NZS 61000.6.1:2006, AS/NZS 61000.6.2:2022

JIS C 61000-6-1:2019, JIS C 61000-6-2:2019

IEC 61326-1:2013 / 2020, EN IEC 61326-1:2021, JIS C 61326-1:2017 / 2022

^{*3}: Except for Annex A (Broadcast reception function), Annex H (Telephony function) and xDSL Equipments.

Harmonic Test in Public Low Voltage Systems

IEC 61000-3-2:2005+A1:2008+A2:2009 / 2014 / 2018+A1:2020

IEC 61000-3-3:2008 / 2013+A1:2017+A2:2021

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

EN 61000-3-3:2008 / 2013+A1:2019+A2:2021

JIS C 61000-3-2:2011 / 2019

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 (3.18, 2024).**