

Scope of Accreditation

(Measurement Method)

Accreditation Number : VLAC-039-1

Expiration Date : March 17, 2022

[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 : 3m/10m
Measurement Frequency Range : 30 MHz – 1 GHz**

[Test condition] **Quasi Free Space, Measurement Frequency Range : 1 GHz - 40 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] **ISN/AAN, Capacitive voltage probe**

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

Conducted disturbance Measurement: DC mains port

Voltage measurement [Test condition] **AMN, High impedance voltage 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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[Test Standards]

Emission test

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

CISPR 11, CISPR 12, CISPR 14-1, CISPR 32^{*1*2}

EN 55011, EN 55012, EN 55014-1, EN 55032^{*1*2}

J55014-1, J55032^{*1*2}

AS/NZS CISPR 11, AS/NZS CISPR 12, AS/NZS CISPR 14.1,

AS/NZS CISPR 32^{*1*2}, AS/NZS61000.6.3, AS/NZS61000.6.4

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

IEC 61326-1, EN 61326-1, JIS C 61326-1

***1 : Except for measurement in a FAR, *2 : Except for broadcast radio receivers**

Immunity test

CISPR 14-2, CISPR 35^{*3}, EN 55014-2, EN 55035^{*3}

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

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

AS/NZS CISPR 14.2, AS/NZS 61000.6.1, AS/NZS 61000.6.2

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

IEC 61326-1, EN 61326-1, JIS C 61326-1

***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, IEC 61000-3-3, EN 61000-3-2, EN 61000-3-3

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