

Scope of Accreditation

(Measurement Method)

Accreditation Number: VLAC-046
Expiration Date: March 21, 2025

[Name of Laboratory]

TOSHIBA TEC CORPORATION

[Test site name]

Mishima EMC Center

[Test site Address]

6-78, Minami-cho, Mishima-shi, Shizuoka-ken 411-8520, 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 – 30 GHz^{*4}

Conducted disturbance Measurement: AC mains port

Voltage Measurement [Test condition] AMN

Conducted disturbance Measurement: Telecommunication port

Voltage Measurement [Test condition] ISN, AAN

^{*4} Frequency range expanded as of October 17, 2023

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

Voluntary EMC Laboratory Accreditation Center Inc.

Scope of Accreditation

(Test standards)

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6-78, Minami-cho, Mishima-shi, Shizuoka-ken 411-8520, Japan

[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 4

CISPR 22:2008, CISPR 32*¹: 2015 / 2015+A1:2019

EN 55032*¹: 2015 / 2015+A11:2020 / 2015+A11:2020+A1:2020

FCC 47 CFR Part15 Subpart B: ANSI C63.4-2014*²

FCC 47 CFR Part15 Subpart B: ANSI C63.4a-2017

ICES-003-issue7-2020, AS/NZS CISPR 32:2015+A1:2020*¹

***¹ Except for measurement of broadcast reception function including satellite outdoor unit.**

***² Except for Section 12.**

Immunity test

CISPR 35:2017*³, EN 55035*³: 2017 / 2017+A11:2020

***³ Except for Annex A, E, G, H.**

Harmonic Test in Public Low Voltage Systems

IEC 61000-3-2: 2014 / 2018+A1:2020+ISH1:2021

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

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

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

JIS C 61000-3-2:2019

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 (3.22, 2023).