

Scope of Accreditation

(Measurement Method)

Accreditation Number : VLAC-047
Expiration Date : February 28, 2023

[Name of Laboratory]

TDK CORPORATION

[Test site name]

EMC CENTER

[Test site Address]

2-15-7 Higashi-Owada, Ichikawa-shi, Chiba-ken, 272-8558 Japan

[Measurement Methods]

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] **On the reference ground plane, In-vehicle equipment test (1m Method)**
Measurement Frequency Range : 150 kHz - 6 GHz

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

Conducted disturbance Measurement: AC/DC mains port

Voltage Measurement [Test condition] AMN

Conducted disturbance Measurement: Telecommunication port

Voltage Measurement [Test condition] AAN

Immunity test

Electrical fast transient/burst (EFT/B) Mains port, Telecommunication/Signal port
Surge Mains port

RF conducted interference

Bulk current injection test, measurement frequency range: 100 kHz – 400 MHz

Harmonic current

Harmonic current test

Voltage changes, Voltage fluctuations and Flicker test

Vehicle /In-vehicle equipment test

ESA (In-vehicle equipment) Emission

ESA (In-vehicle equipment) Immunity

Telecommunication equipment performance 2

Magnetic field strength [Test condition] Magnetic probe

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
FCC 47 CFR Part 15 Subpart B: ANSI C63.4-2014 (up to 6 GHz)
CISPR 11, CISPR 32, EN55011, EN 55032

Immunity test

IEC 61000-4-4/-4-5, EN 61000-4-4/-4-5

Harmonic Test in Public Low Voltage Systems

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

Vehicle /In-vehicle equipment test

CISPR 25:2016/2008 (Except for Vehicle), ISO 11452-4

Telecommunication equipment performance 2

EN 62311 (up to 400 kHz)

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