



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

TDK CORPORATION EMC CENTER
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ELECTRICAL (EMC) ¹

Valid to: March 31, 2023

Certificate Number: 1944.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following automotive electromagnetic compatibility tests:

Test Technology:

Test Method(s) ¹:

Electrostatic Discharge (ESD)

ISO 10605 (2001 and 2008 Amd.1 2014);
FMC 1278 (CI 280);
GMW 3097 (2015) Section 3.6

RF Conducted Emissions

CISPR 25 (2008) Sections 6.2 and 6.3;
CISPR 25 (2016) Sections 6.3 and 6.4, I2 and I3;
FMC 1278 (CE 420 and CE 421);
GMW 3097 (2015) Section 3.3.2

Radiated Emissions (RE)

CISPR 25 (2008) Section 6.4;
CISPR 25 (2016) Section 6.5 and I4;
FMC 1278 (RE310);
GMW 3097 (2015) Section 3.3.1

Bulk Current Injection (BCI)

ISO 11452-4 (2011 and 2020)
(Substitution Method Only);
FMC 1278 (RI112);
GMW 3097 (2015) Section 3.4.1

Absorber-Lined Shielded Enclosure (ALSE)
(200 MHz to 4 GHz at 200 V/m)

ISO 11452-2 (2019);
FMC 1278 (RI114);
GMW 3097 (2015) Section 3.4.2

Absorber-lined Shielded Enclosure - Radar Pulse
(1.2 to 1.4 GHz, 2.7 to 4.0 GHz at 600 V/m)

ISO 11452-2 (2019);
FMC 1278 (RI 114);
GMW 3097 (2015) Section 3.4.2

Electrical Transient Conduction Along Supply Lines
Only

ISO 7637-2 (2004 Amd.1 2008 and 2011);
FMC 1278 (CE 410);
FMC 1278 (CI 220 and CI 221);
GMW 3097 (2015) Sections 3.5.1 and 3.5.2

Test Technology:**Test Method(s) ¹:**

Electrical Transient Transmission by Capacitive and Inductive Coupling via Lines other than Supply Lines

ISO 7637-3 (2007 and 2016)
(*Excluding Inductive Coupling Clamp (ICC) Method*);
GMW 3097 (2015) Sections 3.5.3, 3.5.4, 3.5.5, and 3.5.6

Environmental Conditions and Testing for Electrical and Electronic Equipment - Electrical Loads

ISO 16750-2 (2010 and 2012) Sections 4.6.3 and 4.6.4

Magnetic Fields

ISO 11452-8 (2007 and 2015)
(*Excluding Helmholtz Coil Method*);
FMC 1278 (RI 140)
(*Excluding Helmholtz Coil Method*);
GMW 3097 (2015) Section 3.4.5
(*Excluding Helmholtz Coil Method*)

Portable Transmitters

ISO 11452-9 (2012);
FMC 1278 (RI 115);
GMW 3097 (2015) Section 3.4.4

ALSE, Low Frequency E- and H-Field

GMW 3097 (2015) Section 3.3.4

Coupled Immunity

FMC 1278 (RI 130 and RI 150)

Immunity from Continuous Power Line Disturbances

FMC 1278 (CI 210)

Immunity to Ground Voltage Offset

FMC 1278 (CI 250)

Immunity to Voltage Dropout

FMC 1278 (CI 260)

Immunity to Voltage Overstress

FMC 1278 (CI 270)

¹ When the date, revision or edition of a test method standard is not identified on the scope of accreditation, the laboratory may use the version that immediately precedes the current version for a period of one year from the date of publication of the standard test method, per part C., Section 1 of A2LA R101 - *General Requirements - Accreditation of ISO-IEC 17025 Laboratories*.



Accredited Laboratory

A2LA has accredited

TDK CORPORATION EMC CENTER

Chiba-ken, Japan

for technical competence in the field of

Electrical Testing

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 *General requirements for the competence of testing and calibration laboratories*. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communiqué dated April 2017).



Presented this 30th day of March 2021.

A blue ink signature of the Vice President, Accreditation Services.

Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 1944.01
Valid to March 31, 2023

For the tests to which this accreditation applies, please refer to the laboratory's Electrical Scope of Accreditation.