



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005¹

DELPHI-ELECTRONICS & SAFETY TEST LAB
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ELECTRICAL (EMC)

Valid to: August 31, 2012

Certificate Number: 2201.01

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:

Electrostatic Discharge (ESD)

Test Set-up Designation:

LAB 1 - ESD Room Bench 1 and Bench 2

Conducted Emissions

Test Set-up Designation:

LAB 1 - Chamber 4

Radiated Emissions

Test Set-up Designation:

LAB 1 - Chamber 4

Test Method(s):

ISO 10605 (2001); ISO 10605;
CS-11809 Section 7;
ES-XW7T-1A278-AC (CI 280);
GMW 3097 (2006) Section 3.6;
SAE J1113-13; DC-10614;
EMC-CS-2009 (CI 280);
DC 11224 (Change A) Sections 10.1, 10.2

CISPR 25 (2002) Section 6.2;
CS-11809 Sections 5.1 and 5.2;
ES-XW7T-1A278-AC (CE420);
GMW 3097 (2006) Section 3.3.2;
DC 10614;
DC 11224 (Change A) Section 6.2;
EMC-CS-2009 (CE 420)

CISPR 25 (2002) Section 6.4; CISPR 25;
CS-11809 Section 5.3;
ES-XW7T-1A278-AC (RE 310);
GMW 3097 (2006) Section 3.3.1;
SAE J1113-41; DC-10614;
EMC-CS-2009 (RE 310);
DC 11224 (Change A) Section 6.4

Test Technology:

Test Method(s):

Bulk Current Injection (BCI)

(Substitution and Closed-Loop Methods)

Test Set-up Designation:

LAB 1 - Chambers 1, 2 and 3

ISO 11452-4 (2005); ISO 11452-4;

CS-11809 Section 6.1;

ES-XW7T-1A278-AC (RI 112);

GMW 3097 (2006) Section 3.4.1;

SAE J1113-4; DC-10614;

EMC-CS-2009 (RI 112);

DC 11224 (Change A) Section 7.2

Transverse Electromagnetic (TEM) Cell

(Frequency Range 10 kHz-200 MHz, up to 200 V/m)

Test Set-up Designation:

LAB 1 - Cell 1

ISO 11452-3 (2001);

DC 11224 (Change A) Section 7.5;

SAE J1113-24; DC-10614

Reverberation Radiated Immunity Mode Tuned

Test Set-up Designation:

EMC LAB 2 - Chamber 5

ISO/IEC 61000-4-21 (2003);

GMW 3097 (2006) Section 3.4.3;

ES-XW7T-1A278-AC (RI 114);

EMC-CS-2009 (RI 114)

Absorber Lined Shielded Enclosure (ALSE)

(200 MHz to 18 GHz, 200 V/m),

(100 V/m 200 – 400 MHz horizontal)

(Using Nonmetallic Bench with metallic surface Ground Plane)

Test Set-up Designation:

LAB 1 - Chamber 4

ISO 11452-2 (2004); ISO 11452-4;

CS-11809 Section 6.2;

ES-XW7T-1A278-AC (RI 114);

SAE J1113-21; DC-10614;

EMC-CS-2009 (RI 114);

DC 11224 (Change A) Sections 7.3, 7.4;

GMW 3097 (2006) Section 3.4.2

Absorber Lined Shielded Enclosure (ALSE) (Radar Pulse Only)

Test Set-up Designation:

LAB 1 - Chamber 4

Limited to 300 V/m

ISO 11452-2;

ES-XW7T-1A278-AC (RI 114);

GMW 3097 (2006) Section 3.4.2;

EMC-CS-2009 (RI 114)

Conducted Transients & Conducted Transient Emissions

ISO 7637-2, ISO 7637-3

Electrical System Performance Requirements DC 10615

¹ Accreditation to ISO/IEC 17025 may be used to demonstrate supplier in-house laboratory conformity to the section 7.6.3.1 laboratory requirement of ISO/TS 16949:2009.

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The American Association for Laboratory Accreditation

World Class Accreditation

Accredited Laboratory

A2LA has accredited

DELPHI CORPORATION

El Paso, TX

for technical competence in the field of

Electrical Testing

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005 *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 8 January 2009*).

Presented this 30th day of September 2010





President & CEO

For the Accreditation Council
Certificate Number 2201.01
Valid to August 31, 2012
Revised November 07, 2011

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