



SCOPE OF ACCREDITATION TO ISO/IEC 17025: 2005

DELPHI PACKARD ELECTRICAL/ELECTRONIC ARCHITECTURE

Champion Technical Center

4551 Research Parkway

Warren, OH 44483

Ms. Janice Zwilling Phone: 330 306 1041

ELECTRICAL (AEMCLAP)<sup>1</sup>

Valid to: March 31, 2012

Certificate Number: 1913.01

In recognition of the successful completion of the A2LA and the Automotive EMC Laboratory Accreditation Program (AEMCLAP)<sup>1</sup> evaluation process, accreditation is granted to this laboratory to perform the following automotive electromagnetic compatibility tests:

**Test Technology**

***AEMCLRP<sup>(1)</sup> (Rev. 4) Recognized Tests and Addendum May 25, 2007***

**Test Method(s)**

***Electrostatic Discharge (ESD)***

*Appendix D*

(Chrysler, Ford, GM)

Test Set-up Designation:

**ESD Lab**

ISO 10605 (2001);

ES-XW7T-1A278-AC (CI 280);

GMW 3097 (2006) Section 3.6;

CS 11809 (2009) Section 7.0

***RF Radiated Emissions***

*Appendix G*

(Chrysler, Ford, GM)

Test Set-up Designation:

**3m ALSE**

CISPR 25 (2002) Section 6.4 ;

ES-XW7T-1A278-AC (RE 310);

GMW 3097 (2006) Section 3.3.1;

CS 11809 (2009) Section 5.0

***RF Conducted Emissions***

*Appendix F*

(Chrysler, Ford, GM)

Test Set-up Designation:

**3m ALSE**

CISPR 25 (2002) Sections 6.2, 6.3;

ES-XW7T-1A278-AC (CE 420);

GMW 3097 (2006) Section 3.3.2;

CS 11809 (2009) Section 5.4

***Absorber-Lined Shielded Enclosure (ALSE)***

*Appendix K*

(Ford, GM)

Metallic Bench Only

From 400 MHz to 1.2 GHz @ 100 V/m

From 1.2 GHz to 3.1 GHz @ 600 V/m

Test Set-up Designation:

**3m ALSE**

ISO 11452-2 (2004);

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

GMW 3097 (2006) Section 3.4.2

## Test Technology

**AEMCLRP<sup>(1)</sup> (Rev. 4) Recognized Tests  
and Addendum May 25, 2007**

## Test Method(s)

### **Absorber-lined Shielded Enclosure**

#### **Radar Pulse Only**

*Appendix M*

*Up to 600 V/m*

(Ford, GM)

Test Set-up Designation:

**3m ALSE**

ISO 11452-2 (2004);

GMW 3097 (2006) Section 3.4.2;

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

### **Bulk Current Injection (BCI)**

*Appendix I*

*Substitution Method*

(Chrysler, Ford, GM)

Test Set-up Designation:

**3m ALSE & BCI Shielded Enclosure**

ISO 11452-4 (2005);

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

GMW 3097 (2006) Section 3.4.1;

CS 11809 (2009) Section 6.1

## Non-AEMCLRP

### **Electrostatic Discharge (ESD)**

SAE J1113-13; ES-XW7T-1A278-AB;

GMW 3100GS; PF-9326, LP-388C-42;

DC-11224 (2007/06) Sections 10.1, 10.2;

EMC-CS-2009.1

### **RF Radiated Emissions**

SAE J1113-41; ES-XW7T-1A278-AB;

DC 10614; GMW 3100GS;

DC-11224 (2007/06) Section 6.4;

EMC-CS-2009.1

### **RF Conducted Emissions**

SAE J1113-41;

ES-XW7T-1A278-AB; DC 10614;

DC-11224 (2007/06) Sections 6.2, 6.3;

EMC-CS-2009.1

### **Absorber-Lined Shielded Enclosure (ALSE)**

SAE J1113-21; DC 10614;

DC-11224 (2007/06) Sections 7.2, 7.3;

EMC-CS-2009.1

### **Bulk Current Injection (BCI)**

SAE J1113-4; GMW 3100GS; DC 10614;

EMC-CS-2009.1; DC-11224 (2007/06)

Section 7.2

<sup>1</sup> A2LA provides Accreditation for the Automotive EMC Laboratory Recognition Program (AEMCLRP) which is designated as the Automotive EMC Laboratory Accreditation Program (AEMCLAP). Chrysler, Ford Motor Company (Ford) and General Motors Corporation (GM) provide overall recognition as part of the AEMCLRP document (Fourth Edition, 01/27/06 and Addendum May 25, 2007 with Chrysler Addendum to DC-11224 (2007/06) and DC-11225 (2007/07) with Addendum to DC-11224/5 Rev A dated April, 2008 and Ford Corrections or Requirements to ES-XW7T-1A278-AC Updated June 7, 2006 and September 18 2007).

The AEMCLRP document is available on the A2LA web site ([www.A2LA.org](http://www.A2LA.org)). Accreditation to the A2LA AEMCLAP requirements does not ensure recognition by the aforementioned organizations. Confirmation of recognition can be obtained from these organizations directly. If any items are not covered by AEMCLRP Rev.4 or there are any conflicts among the documents, the actual issued test method standards of Chrysler, Ford Motor Company and General Motors Corporation and OEM issued corrections/addendums these will supersede AEMCLRP Rev. 4 and Addendum May 25, 2007.



The American Association for Laboratory Accreditation

World Class Accreditation

# *Accredited Laboratory*

A2LA has accredited

## **DELPHI PACKARD ELECTRICAL/ELECTRONIC ARCHITECTURE**

*Warren, OH*

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 27th day of May 2010.



  
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President & CEO

For the Accreditation Council  
Certificate Number 1913.01  
Valid to March 31, 2012

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