



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

VALEO EMC LABORATORY  
150 Stephenson Highway  
Troy, MI 48083  
Dan Welker 248 619 8534

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

Valid To: March 31, 2013

Certificate Number: 2049.01

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**

**Test Method(s)**

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

***Electrostatic Discharge (ESD)***

*Appendix D*

(Chrysler, Ford, GM)

Test Set-up/Location Designation:

*Shielded Enclosure #1 (SE-1)*

ISO 10605 (2001, 2008);

CS-11979 (2010-04) Section 7.0;

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

GMW 3097 (2006) Section 3.6

***RF Conducted Emissions***

*Appendix F*

(Chrysler, Ford, GM)

Test Set-up/Location Designation:

*Absorber-Lined Shielded Enclosure #1 (ALSE-1)*

*Shielded Enclosure #1 (SE-1)*

CISPR 25 (2002) Sections 6.2 and 6.3;

CISPR 25 (2008) Sections 6.2 and 6.3;

CS-11979 (2010-04) Sections 5.1 and 5.2;

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

GMW 3097 (2006) Section 3.3.2

***RF Radiated Emissions***

*Appendix G*

(Chrysler, Ford, GM)

Test Set-up/Location Designation:

*Absorber-Lined Shielded Enclosure #1 (ALSE-1)*

CISPR 25 (2002) Section 6.4;

CISPR 25 (2008) Section 6.4;

CS-11979 (2010-04) Section 5.3;

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

GMW 3097 (2006) Section 3.3.1

**Test Technology**

**Test Method(s)**

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

***Bulk Current Injection (BCI)***  
*Appendix I*  
*Substitution Method*  
(Chrysler, Ford, GM)  
Test Set-up/Location Designation:  
*Shielded Enclosure #1 (SE-1)*

ISO 11452-4 (2005);  
CS-11979 (2010-04) Section 6.1;  
ES-XW7T-1A278-AC (RI 112);  
GMW 3097 (2006) Section 3.4.1

**Non AEMCLRP Tests**

*Other EMC/EMI Tests*

Electrostatic Discharge

EMC-CS-2009.1 (CI 280)

RF Conducted Emissions

EMC-CS-2009.1 (CE 420)

RF Radiated Emissions

EMC-CS-2009.1 (RE 310)

Bulk Current Injection  
*(Closed Loop Method)*

ISO 114452-4

Bulk Current Injection  
*(Substitution Method)*

EMC-CS-2009.1 (RI 112)

Conducted Transient Emissions

ISO 7637-2; SAE J1113-42;  
CS-11979 (2010-04) Section 5.4;  
EMC-CS-2009.1 (CE 410);  
ES-XW7T-1A278-AC (CE 410) Section 9.0;  
GMW 3097 Section 3.5.1

Conducted Transient Immunity  
–Power Lines

ISO 7637-2; SAE J1113-11;  
CS-11979 (2010-04) Section 6.4;  
EMC-CS-2009.1 (CI 220), Pulse E, F1, F2, G1  
and G2;  
ES-XW7T-1A278-AC (CI 220) Section 14.0;  
GMW 3097 Section 3.5.2



**Test Technology**

**Test Method(s)**

Conducted Transient Immunity – Signal Lines  
Capacitive Coupling Clamp,  
Direct Capacitor Coupling,  
Inductive Coupling Clamp

ISO 7637-3; SAE J113-12;  
GMW 3097 Sections 3.5.3, 3.5.4 and 3.5.5;  
CS-11979 (2010-04) Section 6.4;

Magnetic Field Emissions

MIL-STD 461F Section 5.16

Magnetic Field Immunity

MIL-STD 461F Section 5.19;  
DC 11224 Section 8.0;  
ES-XW7T-1A278-AC (RI 140) Section 11.0;  
GMW 3097 Section 3.3.4;  
ISO 11452-8;  
EMC-CS-2009.1 (RI 140)

<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, January 27, 2006) and Addendum (May 25, 2007), with Chrysler Changes to CS11809 (May 29, 2009) or CS11979 (April 13, 2010) 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 to these will supersede AEMCLRP Rev. 4 and Addendum (May 25, 2007).





World Class Accreditation

The American Association for Laboratory Accreditation

# Accredited Laboratory

A2LA has accredited

## VALEO EMC LABORATORY

*Troy, MI*

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 27<sup>th</sup> day of April 2011.

A handwritten signature in black ink, reading "Peter Abney".

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President & CEO  
For the Accreditation Council  
Certificate Number 2049.01  
Valid to March 31, 2013



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