

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

CONTINENTAL AUTOMOTIVE SYSTEMS<sup>2</sup>  
4000 Commercial Ave.  
Northbrook, IL 60062  
Mr. Ken Klimek Phone: 847 480 5669

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

Valid to: October 31, 2010

Certificate Number: 1419.01

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)**

***RF Conducted Emissions***

*Appendix F*

(Chrysler, Ford, GM)

Test Set-up/Location Designation:

**Chamber 1**

CISPR 25 (2002), Sections 6.2 and 6.3;  
DC-11224 (Change A), Sections 6.2, 6.3;  
Ford ES-XW7T-1A278-AC (CE420);  
GMW 3097 (2006), Section 3.3.2

***RF Radiated Emissions***

*Appendix G*

(Chrysler, Ford, GM)

Test Set-up Designation:

**Chamber 1**

CISPR 25 (2002), Section 6.4;  
DC-11224 (Change A), Section 6.4;  
ES-XW7T-1A278-AC (RE 310);  
GMW 3097 (2006), Section 3.3.1

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

*Appendix I*

*Substitution Method*

(Chrysler, Ford, GM)

Test Set-up/Location Designation:

**BCI 1= Chamber 6**

**BCI 2= Chamber 2b**

**BCI 3= Chamber 3**

ISO 11452-4 (2005);  
DC-11224 (Change A), Section 7.2;  
ES-XW7T-1A278-AC (RI 112);  
GMW 3097 (2006), Section 3.4.1

***Transverse Electromagnetic (TEM) Cell***

*Appendix J (10KHz to 200MHz, up to 200 V/m)*

(Chrysler)

Test Set-up/Location Designation:

**TEM Cell 2**

ISO 11452-3 (2001);  
DC-11224 (Change A), Section 7.5

**Test Technology**

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

**Test Method(s)**

***Absorber-Lined Shielded Enclosure (ALSE)***  
*Appendix K*  
(Chrysler)  
Test Set-up/Location Designation:  
**RI ALSE=Chamber 9**

ISO 11452-2 (2004);  
DC-11224 (Change A), Section 7.3,  
7.4

***RI Reverberation Method – Mode Tuned***  
*Appendix L*  
(Ford, GM)  
Test setup/Location Designation  
**Mode Tuned Chamber = Chamber 10**

IEC 61000-4-21  
Ford ES-XW7T-1A278-AC (RI 114)  
GMW 3097 (2006), Section 3.4.3

**Other EMC Tests, Non-AEMCLRP**

Transverse Electromagnetic (TEM) Cell  
(10KHz to 200MHz)

DC 10614; PF-10540, PF-9362

Radiated Emissions

DC-10614; GMW 3097, Section 3.3.1;  
ES-XW7T-1A278-AB/AC

Bulk Current Injection (BCI)  
Closed-Loop Method

SAE J1113-25; ES-WX7T-1A278-AB

Bulk Current Injection (BCI)  
Substitution Method

GMW 3097, Section 3.4.1;  
ES-XW7T-1A278-AB/AC; DC 10614

Conducted Emissions

DC 10614; ES-XW7T-1A278-  
AB/AC; GWM 3097, Section 3.3.2

<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 the Addendum May 25, 2007). This 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.

<sup>2</sup> This accreditation covers testing performed at the main laboratory listed above, and the following satellite laboratory listed below:

CONTINENTAL AUTOMOTIVE SYSTEMS  
21440 W. Lakecook Road  
Deer Park, IL, 60010  
Mr. Ken Klimek Phone: 847 480 5669

**Test Technology**

***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:***

***ESD Room 1***

***ESD Room 2***

**Test Method(s)**

ISO 10605 (2001);

DC-11224 (Change A), Section 10.1,

10.2, LP 388C-65;

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

GMW 3097 (2006), Sections 3.6.1, 3.6.2,  
3.6.3, 3.6.4



THE AMERICAN ASSOCIATION FOR  
LABORATORY ACCREDITATION

## ACCREDITED LABORATORY

A2LA has accredited

**CONTINENTAL AUTOMOTIVE SYSTEMS**

**Northbrook, IL**

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 18 June 2005*).



Presented this 17<sup>th</sup> day of November 2008.

A handwritten signature in black ink, appearing to read "Peter Abney".

President

For the Accreditation Council

Certificate Number 1419.01

Valid to October 31, 2010

Revised July 30, 2010

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