



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

CONTINENTAL AUTOMOTIVE SYSTEMS ²
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ELECTRICAL (AEMCLAP/EMC)¹

Valid to: August 31, 2012

Certificate Number: 1885.01

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

Test Technology:

Test Method(s):

*AEMCLRP (Rev.4) and AEMCLRP Addendum
(May 25, 2007)*

Electrostatic Discharge (ESD)
Appendix D
(Chrysler, Ford, GM)
Test Set-up/Location Designation:
ESD Chamber

ISO 10605 (2001/2008);
CS 11979 Section 7.0;
ES-XW7T-1A278-AC (CI 280);
GMW 3097 (Feb 2006) Section 3.6

Conducted Emissions
Appendix F
(Chrysler, Ford, GM)
Test Set-up/Location Designation:
*Semi-Anechoic Chamber #1 &
Semi-Anechoic Chamber #2*

CISPR 25 (2002/2008) Sections 6.2 and 6.3;
CS 11979 Sections 5.1 and 5.2;
ES-XW7T-1A278-AC (CE 420);
GMW 3097 (2006) Section 3.3.2

Radiated Emissions
Appendix G
(Chrysler, Ford, GM)
Test Set-up/Location Designation:
*Semi-Anechoic Chamber #1 &
Semi-Anechoic Chamber #2*

CISPR 25 (2002/2008) Section 6.4;
CS 11979 Section 5.3;
ES-XW7T-1A278-AC (RE 310);
GMW 3097 (2006) Section 3.3.1

Test Technology:

Test Method(s):

***AEMCLRP (Rev.4) and AEMCLRP Addendum
(May 25, 2007)***

Bulk Current Injection (BCI)

Substitution Method

Appendix I

(Chrysler, Ford, GM)

Test Set-up/Location Designation:

Screen Room

ISO 11452-4 (2005);

CS 11979 Section 6.1;

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

GMW 3097 (2006) Section 3.4.1

Absorber-lined Shielded Enclosure

Appendix K

Metallic / Non-metallic table, Substitution Method

(Chrysler, Ford, GM)

(up to 4 GHz with current M&TE)

Test Set-up/Location Designation:

RI Semi-Anechoic Chamber

ISO 11452-2 (2004);

CS 11979 Section 6.2;

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

GMW 3097 (2006) Section 3.4.2

Absorber-lined Shielded Enclosure

Radar Pulse Only

Appendix M

(up to 300 V/m with current M&TE)

(Ford, GM)

Test Set-up/Location Designation:

RI Semi-Anechoic Chamber

ISO 11452-2 (2004);

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

GMW 3097 (2006) Section 3.4.2

¹ 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 CS 11809 (May 29, 2009) or CS 11979 (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). 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).

Test Technology:

Test Method(s):

NON-AEMCLRP Tests

Conducted and Transient Immunity	SAE J1113-2, SAE J1113-11, SAE J1113-12 (CCC & DCC); ISO 7637-2, ISO 7637-3 (CCC & DCC); ES-XW7T-1A278-AC (CI 210 to CI 270)
Transient Emissions	SAE J1113-42; ISO 7637-2; ES-XW7T-1A278-AC (CE 410)
Magnetic Field Immunity	SAE J1113-22; ES-XW7T-1A278-AC (RI 140)
Coupled Immunity	ES-XW7T-1A278-AB/AC (RI 120, RI 130, RI 150)
Bulk Current Injection (BCI) <i>Closed-Loop Method</i>	ISO 11452-4; SAE J1113-4; ES-XW7T-1A278-AB (RI 112); GM 9100P
Bulk Current Injection (BCI) <i>Substitution Method</i>	DC 11224 (Change A) Section 7.2; SAE J1113-4; GMW 3097, GMW 3100 Section 3.2.1.2.4 (August 2001); EMC-CS-2009.1 (RI 112)
Absorber-lined Shielded Enclosure	DC 11224 (Change A) Sections 7.3 and 7.4; SAE J1113-21; PF-9326, PF-10540; GM 9100P, GMW 3097 / GMW 3100 (August 2001); EMC-CS-2009.1 (RI 114)
Radiated Emissions	DC 11224 (Change A) Section 6.4; SAE J1113-41; EMC-CS-2009.1 (RE 310)
CISPR25 Conducted Emissions	DC 11224 (Change A) Sections 6.2 and 6.3; ES-XW7T-1A278-AB (CE 420); GMW 3097 / GMW 3100 Section 3.2.1.1.3 (August 2001); EMC-CS-2009.1 (CE 420, CE 421)
Electrostatic Discharge (ESD)	DC 11224 (Change A) Sections 10.1 and 10.2; SAE J1113-13; EMC-CS-2009.1 (CI 280)
Radar Pulse	EMC-CS-2009.1 (RI 114)

² 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 16949:2002.



The American Association for Laboratory Accreditation

World Class Accreditation

Accredited Laboratory

A2LA has accredited

CONTINENTAL AUTOMOTIVE SYSTEMS

Auburn Hills, 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 14th day of December 2010.



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

President & CEO
For the Accreditation Council
Certificate Number 1885.01
Valid to August 31, 2012

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