



The American Association for Laboratory Accreditation

World Class Accreditation

# *Accredited Laboratory*

A2LA has accredited

## **TRW BCS CTL EMC LABORATORY**

*Winona, MN*

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 23rd day of November 2009.



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

President & CEO  
For the Accreditation Council  
Certificate Number 2120.01  
Valid to January 31, 2012

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

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

TRW BCS CTL EMC LABORATORY  
5676 Industrial Park Road  
Winona, MN 55987  
Douglas Bastian (Authorized Rep) Phone: 507 457 3750 Ext. 8909  
Email: [doug.bastian@trw.com](mailto:doug.bastian@trw.com)  
Syed Faruque (Deputy Auth Rep) Phone: 507 457 3750 Ext 8525  
Email: [syed.faruque@trw.com](mailto:syed.faruque@trw.com)

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

Valid to: January 31, 2012

Certificate Number: 2120.01

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/Location Designation:

*TRW BCS CTL EMC Laboratory*

ISO 10605 (2001);

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

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:

*Chamber 10-7U-19031 (Voltage)*

*Chamber 10-7U-19042 (Current)*

CISPR 25 (2002) Sections 6.2, 6.3;

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

ES-XW7T-1A278-AC (CE420);

GMW 3097 (2006) Section 3.3.2

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

*Appendix I*

*Substitution Method*

(Chrysler, Ford, GM)

Test Set-up/Location Designation:

*Chamber #10-7U-19042*

ISO 11452-4 (2005);

DC-11224 (2007/06) Section 7.2;

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

GMW3097 (2006) Section 3.4.1

**Test Technology**

**Non-AEMCLRP Tests**

**Test Method(s)**

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

CS-11809

***Electrostatic Discharge (ESD)***

CS-11809

***RF Conducted Emissions***

CS-11809

***Conducted Transient Emissions***

GMW 3097 (February 2004);  
GMW 3097 (July 2006) Section 3.5.1

***Conducted Transient Immunity***  
*(Transients on power lines)*

GMW 3097 (February 2004);  
GMW 3097 (July 2006) Section 3.5.2

***Conducted Transient Immunity***  
*(Coupling to other than supply lines)*

GMW 3097 (February 2004);  
GMW 3097 (July 2006) Sections 3.5.3, 3.5.4

<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.

