



SCOPE OF ACCREDITATION TO ISO/IEC 17025: 2005

TRIALON CORPORATION - MTEC  
EMC LABORATORY  
1477 Walli Strasse Blvd.  
Burton, MI 48509  
Mona Grills; Email: [mgrills@trialon.com](mailto:mgrills@trialon.com); Phone: 765 438 2943  
Paul Krug; Email: [pkrug@trialon.com](mailto:pkrug@trialon.com); Phone: 810 341 7931  
Website: <http://www.trialon.com>

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

Valid to: May 31, 2012

Certificate Number: 1123.02

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*

(Ford, GM)

Test Set-up/Location Designation:

*ESD Room #1*

ISO 10605 (2001);

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

GMW 3097 (2006) Section 3.6

**RF Conducted Emissions**

*Appendix F – Voltage Method*

(Ford, GM)

Test Set-up/Location Designation:

*ALSE Chamber #1*

CISPR 25(2002, 2008) Section 6.2;

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

GMW 3097 (2006) Section 3.3.2

**RF Radiated Emissions**

*Appendix G*

(Ford, GM)

Test Set-up/Location Designation:

*ALSE Chamber #1*

CISPR 25 (2002, 2008) Section 6.4;

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

GMW 3097 (2006) Section 3.3.1

**Test Technology**

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

**Bulk Current Injection (BCI)**

*Appendix I - Substitution Method  
(Ford, GM)*

Test Set-up/Location Designation:  
*BCI Chamber #1*

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

*Appendix K*

(Ford, GM,)

200 MHz to 5GHz

Test Set-up/Location Designation:  
*ALSE Chamber #1*

**Reverberation Radiated Immunity Mode Tuned**

*Appendix L*

(Ford, GM)

Test Set-up Designation/Location:  
*Mode Tune Chamber #1*

***Other Non-AEMCLAP EMC/EMI Tests***

**Test Technology**

**Bulk Current Injection (BCI)**

*Substitution Method*

**Radiated Immunity (ALSE)**

200 MHz to 5GHz

**Immunity to Radiated Magnetic Fields**

**Conducted Transient Emissions**

**Conducted Transient Immunity –  
Transients on Power Lines**

**Conducted Transient Immunity –  
Coupling to I/O other than Power Supply Lines**

**Electrostatic Discharge (ESD)**

**Test Method(s)**

ISO 11452-4 (2005);  
Ford ES-XW7T-1A278-AC (RI 112);  
GMW 3097 (2006) Section 3.4.1

ISO 11452-2 (2004)  
Ford ES-XW7T-1A278-AC (RI 114);  
GMW 3097 (2006) Section 3.4.2

ISO/IEC 61000-4-21 (2003);  
Ford ES-XW7T-1A278-AC (RI 114);  
GMW 3097 (2006) Section 3.4.3

**Test Method(s)**

SAE J1113-4 (2004);  
Ford EMC-CS-2009.1 (RI 112)

SAE J1113-21 (2005);  
Ford EMC-CS-2009.1 (RI 114)

SAE J1113-22 (2003)

ISO 7637-2 (2008);  
SAE J1113-42 (2006)

ISO 7637-2 (2008);  
SAE J1113-11 (2007)

ISO 7637-3 (2007);  
SAE J1113-12 (2006)

SAE J1113-13 (2004);  
Ford EMC-CS-2009 .1 (CI 280)



**Test Technology**

**Test Method(s)**

**Radiated Emissions (ALSE)**

CISPR 25 (2008) Section 6.4;  
SAE J1113-41 (2000) Section 7;  
Ford EMC-CS-2009.1 (RE 310)

**Conducted Emissions (Voltage)**

SAE J1113-41 (2000) Section 5;  
Ford EMC-CS-2009 .1 (CE 420)

**Airbag Components**

ISO 12097-3 (2002), Sections 7.1 and  
7.2 (EMC Tests)

<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 CS 11809 (May 29, 2009) 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).



The American Association for Laboratory Accreditation

World Class Accreditation

# Accredited Laboratory

A2LA has accredited

## TRIALON CORPORATION

*Burton, 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 23rd day of August 2010.

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

President & CEO  
For the Accreditation Council  
Certificate Number 1123.02  
Valid to May 31, 2012

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