

Chrysler EMC/Electrical Laboratory CS-11809 Self-Assessment

1.0 GENERAL

You are required to provide a Self-Assessment if you are a Chrysler Corporation supplier and you are planning to perform EMC and Electrical Testing using your laboratory to meet CS-11809.

EMC Requirements:

In addition to the Self-Assessment for CS-11809, your lab shall also receive the certification of ISO-17025 from a recognized accreditation body with automotive test methods in the ISO-17025 technical scope.

We encourage you to submit the self-assessment as soon as possible to ensure that we have adequate time to process your request.

1.1 Supplier Lab Contact Information

Company Name:	Phoenix Testlab GmbH			
Company Address:	D-32825 Blomberg, Königswinkel 10, Germany			
Contact Names	Phone Number	Pager Number / Cell Phone	FAX number	e-mail
Dietmar Pelz	+49(0)5235/9500-12		+49(0)5235/9500-10	pelz.dietmar@phoenix-testlab.de
Matthias Wirth	+49(0)5235/9500-18		+49(0)5235/9500-10	wirth.matthias@phoenix-testlab.de
Martina Drath	+49(0)5235/9500-40		+49(0)5235/9500-10	drath.martina@phoenix-testlab.de

1.2 Chrysler Contact Information

Approval Team	Phone Number	Pager Number / Cell Phone	FAX number	e-mail
Rob Kado	248 576 6915	248 467 0639	248 576 7045	rk381@chrysler.com

1.3 Company Information

Specify the names or types of electronic components provided to Chrysler Corporation.

2.0 EMC TEST REQUIREMENTS (CS-11809)

Capability (Y/N)	Test Name	Required information for submittal	Chrysler Approval Status Interim / Final (Date)
Y	CISPR 25 Conducted RF Emissions – (Voltage on Supply Lines)	Noise floor with CS-11809 limits, Photos of test set-up, and Equipment List	12/2009
Y	CISPR 25 Conducted RF Emissions – (Current on All Lines)	Noise floor with CS-11809 limits, Photos of test set-up, and Equipment List	12/2009
Y	CISPR 25 Radiated RF Emissions	Noise floor with CS-11809 limits, Photos of test set-up, and Equipment List	12/2009
Y	Conducted Transient Emissions	Photos of test setup and Equipment List	12/2009
Y	Bulk Current Injection	Graph of level vs. frequency per CS-11809, Photos of test set-up, and Equipment List	12/2009
Y	ALSE without a Ground Plane	Graph of level vs. frequency per CS-11809, Photos of test set-up, Graphical representation of Pulse Modulation, Equipment List, and Field Uniformity Data	12/2009
Y	Magnetic Field Immunity	Graph of level vs. frequency per CS-11809, Photos of test set-up, and Equipment List	12/2009
Y	Transient Disturbances Conducted along Supply Lines	Photos of test set-up, oscilloscope plots of waveforms open circuit and with matching impedance (no DC applied, and Equipment List	12/2009
Y	Transient Disturbances Conducted along I/O Lines	Photos of test set-up (DCC and CCC Method with correct capacitors for single lines and communication lines), oscilloscope plots of waveforms open circuit and with matching impedance (no DC applied, and Equipment List	12/2009
Y	Electrostatic Discharge Handling Test	Photos of test set-up and Equipment List	12/2009
Y	Electrostatic Discharge Operating Test	Photos of test set-up and Equipment List	12/2009

3.0 ELECTRICAL TEST REQUIREMENTS (Provide a generic equipment list for the entire battery of tests)

Capability (Y/N)	Test Name	Requirements	Chrysler Approval Status Interim / Final (Date)
Y	Operating Voltage Range	Copy of Temperature Chamber specs and Pictures/Drawing of set-up	12/2009
Y	IOD	Photos of test set-up	12/2009
Y	Voltage Ripple	Graph of level vs. frequency per CS-11809. Pictures/drawing of set-up	12/2009
Y	Sneak Path	Photos of test set-up	12/2009
Y	Drop out	Photos of test set-up	12/2009
Y	Dips	Photos of test set-up	12/2009
Y	Cranking Low Voltage (Warm and Cold)	Pictures/drawing of setup/New waveforms per CS-11809	12/2009
Y	Supply Voltage Ramp Up	Copy of Temperature Chamber specs and Photos of test set-up	12/2009
Y	Supply Voltage Ramp Down	Photos of test set-up	12/2009
Y	Defective Regulation	Photos of test set-up	12/2009
Y	Jump Start	Photos of test set-up	12/2009
Y	Load Dump	Photos of test set-up and waveform (waveforms open circuit and into a 0.5 Ohm load with DC applied)	12/2009
Y	Reverse Supply Voltage	Photos of test set-up	12/2009
Y	Immunity to Short Circuit (Supply Lines)	Photos of test set-up	12/2009
Y	Immunity to Short Circuit (I/O Lines)	Photos of test set-up	12/2009
Y	Supply Voltage Offset	Photos of test set-up	12/2009
Y	Ground Reference Offset	Photos of test set-up	12/2009
Y	Stall Test for Motors	Photos of test set-up	12/2009

4.0 COMMENTS FROM SUPPLIER

5.0 COMMENTS FROM Chrysler

Accreditation bodies compliant per ISO 17011 (JAB, A2LA, DATech, ENAC, UKAS, SINAL, and COFRAC) are acceptable.

All tests that are accredited to the scopes of the individual tests will be changed to green and approved by the EMC Committee of Chrysler.

If you have any questions please feel free to contact us.

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