

## Test Facilities Report

Acceptance of component or subsystem EMC test data requires the test laboratory to be “recognized” by Ford Motor Company. Details of the Ford laboratory recognition process may be found at [www.fordemc.com](http://www.fordemc.com).

The attached template shall be used when preparing the EMC Test Facilities Report. The report shall be submitted, using a PDF format, to the individuals listed below. *Note that the location of the test facility determines where the report shall be sent*

Keith Frazier ( <a href="mailto:kfrazier1@ford.com">kfrazier1@ford.com</a> ) North/South America, Japan	Evan Sun ( <a href="mailto:ysun15@ford.com">ysun15@ford.com</a> ) SE Asia, India
Ayhan Gunsaya ( <a href="mailto:agunsaya@ford.com">agunsaya@ford.com</a> ) Europe	Rodney Huebner ( <a href="mailto:rhuebner@ford.com">rhuebner@ford.com</a> ) Australia

### **Test Facility Report Template**

#### **1. Location of Test Services**

Provide detail of the geographic location of the test facility.

#### **2. Key Contact**

Provide name, phone number, FAX, and email of the EMC test laboratory manager. Also provide the name of the key contact for the facility if different than the laboratory manager.

#### **3. Description of Test Equipment**

List of test equipment used to support testing per Ford Motor Company test methods delineated in EMC-CS-2009. Provide latest calibration dates where applicable.

#### **4. Generic Test Setup Description**

Provide a description of the test setup used for performing each Ford component EMC test (see Table below). The description shall include the following:

- Block diagrams of the test setup including list of actual equipment used (include manufacture's name and model number)
- Dimensioned diagrams and photos to illustrate critical aspects of each test. Examples include grounding locations, wire jig and load box details.
- Diagrams and/or photos illustrating how control and monitor signals are brought in and out of the test chamber to support a typical component test.
- For immunity testing, provide calibration data

**List of Test Methods per EMC-CS-2009**

<b>Test Designation</b>	<b>Description</b>
RI 112	Radiated Immunity (1 – 400 MHz): Bulk Current Injection
RI 114	Radiated Immunity (400 – 2000 MHz): Reverberation Method Absorber Lined Shielded Enclosure (ALSE) Method
RI 115	RF Immunity to Hand Portable Transmitters
RI 130	Coupled Immunity (Inductive Transients)
RI 140	Magnetic Field Immunity
RI 150	Coupled Immunity (Charging System)
CI 210	Immunity from Continuous Disturbances
CI 220	Immunity from Transient Disturbances
CI 230	Immunity from Power Cycling
CI 250	Immunity from Voltage Offset
CI 260	Immunity from Voltage Dropout
CI 270	Immunity from Voltage Overstress
CI 280	Immunity from Electrostatic Discharge (ESD)
RE 310	Radiated Emissions
CE 410	Conducted Transient Emissions
CE 420	Conducted RF Emissions
CE 421	Conducted Emissions (10 – 150 kHz)