



Ford Motor Company

Ford EMC Facility
74240 Fisher Rd.
Romeo, MI 48065

July 13, 2004

Subject: Form 442 Question 7: Experimentation Description

This Experimental Radio Service license application is to support electromagnetic compatibility (EMC) testing of Ford Motor Company vehicles. In this experimentation, mobile and/or portable transmitters and antennas are installed on or in the vehicle under test. The vehicle electronic systems are exercised and monitored while operating the transmitting equipment, to evaluate EMC performance. This experimentation was previously performed under license KI2XIR, and supplements EMC tests conducted in an absorber-lined shielded enclosure.

Duration

A license term of 5 years is requested, since ongoing test capability is required. Total operation time on any one frequency is expected to be less than 3 hours per month.

Frequencies

Although permitted frequencies are generally requested in bands, licensed test operations typically require only one or two frequencies per band. To minimize the potential for interference on Private Land Mobile frequencies, the FCC license database will be consulted when selecting frequencies for testing.

Location

Licensing of two test track sites is requested, with the Dearborn site intended as the primary site. The Romeo site is intended as a backup in case of anticipated interference or track operation conflicts.

Sincerely,

Richard Kautz
EMC Technical Specialist
Vehicle Evaluation & Verification