KI2XEA - Milford, MI

Tests to Date:

- Current vehicle antenna durability testing
- Current vehicle antenna performance testing
- Current vehicle antenna improvement
- Prototype vehicle antenna system testing and development
- Prototype antenna system testing
- Competitive vehicle antenna system evaluation

Experimentation Conducted:

- Antenna development for 1997 U van windshield antenna
- Antenna development for Electric Vehicle antenna system
- Antenna development and evaluation of outside vendor antennas for future GM vehicle programs
- Testing of CLCD, FAD, MCD, NATG, and Saturn durability vehicles
- Antenna testing of domestic and foreign competitive vehicles
- Approximately 350 antenna systems tests from March 1, 1993 to November 17, 1994.

Hours of Operation:

- 60 hours at 89MHz
- 60 hours at 95MHz
- 60 hours at 107MHz

Publications:

- Delco Electronics Radio System Specification DE-RSS-1
- Entertainment System Design Requirements GM ESDR-1
- AM/FM Antenna Polar Pattern Test Procedure R-12L-1

Patents:

- None

Other Information:

- Nominal Effective Radiated Power used for most testing is +21dBM (125.9 milliwatts) Maximum Effective Radiated Power does not exceed 1.26 Watts.
- Transmitter identification is made at 20 second intervals in International Morse Code with type F2 emission at a peak deviation of 5kHz.