

Summary of Operations - KI2XEA

Purpose

- * Signal source for antenna test range

Types of Testing Performed

- * Competitive vehicle antenna evaluations
- * Antenna durability testing
- * Antenna System Validation Testing
- * Prototype Vehicle antenna system design

Major Test Programs Conducted

- * Slot Antenna performance testing
- * Diversity antenna system design and development
- * Windshield antenna design and development
- * SMC body panel antenna performance study

Hours of Operation

- * 45 hours at 89 MHZ
- * 45 hours at 95 MHZ
- * 45 hours at 107 MHZ

GM Publications covering Testing

- * Delco Electronics Entertainment System Design Guide (GM-ESDG-1)
- * Delco Electronics Entertainment System Design Requirements (GM-ESDR-1)
- * Delco Electronics Entertainment System Specification (DE-RSS-1)

Other Information

- * Transmitter power levels are maintained at the minimum level required to conduct testing.
- * Nominal effective radiated power used for most testing is +21 dbm. (125.9 milliwatts ERP)
- * Transmitter is identified at 20 second intervals with type F2 emission at 7.4 khz deviation.

Patents Issued

- * No patents were issued during this reporting period.