

Date: December 1, 2005
 RE: Lear Universal Transmitter Model # L0070144
 FCC ID: KOBFTE05A (Proposed)
 IC: 3521A-FTE05A (Proposed)

Block Circuit Diagram

Transmit Functions

The circuit is actuated when one of the three switches is depressed. The switch operation powers the module and the 20MHz crystal oscillator clock circuit of the microcontroller turns on. The microcontroller generates data internally based on the timing of the clock oscillator. The microcontroller also configures the frequency synthesizer/PLL IC for proper RF data frequency operation. The frequency synthesizer/PLL IC shares the same 20MHz clock source as the microcontroller. The data is outputted from the microcontroller to the RF amplifier, switching power on and off to the amplifier generating an AM transmission signal. The RF amplifier radiates out through a PCB trace monopole antenna.

