

May 21, 2012

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RE: Certification for Chrysler FOBik1 RKE Transmitter

FCC ID: GQ4-53T  
Canada IC: 1470A-34T

#### **Description of Circuit Operation**

The NXP PCF 7961 is an integrated microprocessor and UHF transmitter. The switch inputs wake up the micro and the micro takes appropriate action depending on the switches status. If a switch is determined pressed the micro enables the crystal oscillator and after a settling time the PLL. The microprocessor will then send 112 bit packets of ASK data at 2.4 kbps every 125 ms until a minimum of 5 packets have been sent and the switch has been released. After a transmission ends the microprocessor will disable the PLL and Crystal and go into a low power state.