

APPLICANT: REGAL ENTERPRISES LTD.  
FCC ID: LWA15301

#### Circuit Description

The transmitter circuit consists of audio input from microphone M1 amplified by integrated circuit IC1. The output of IC1 is used to change capacitance of diode D3 which changes the frequency of the crystal oscillator Q2. The crystal oscillator has provisions for changing center frequency by using switch SW1 to select one of the two crystals. Q3 is a frequency tripler stage that follows the crystal oscillator. The antenna is transformer (T3) coupled to the tripler stage.

#### Power Supply and Ground

Power is supplied by 4 AA batteries or a external 6Volt source. No external connection is available for grounding. The printed circuit board traces are the only grounds.

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