

## FCC ID: N9ZTPX303

### Circuit Description

The 433MHz crystal oscillator drives the base of Q2 the final/buffer amplifier. The modulation provided by IC. The output of Q3 has the matching network consisting of L1, L2 and C23, C24 that limit the harmonic content and effect the proper coupling of the antenna to the output stage.

#### Antenna, Ground and Power Source

The antenna consists of a 5.5cm long Metal antenna. There is no external ground connection. The ground is only that of the printed circuit board. Electric current is supplied by a 3 Volt ("AAA" size battery x 2) primary battery

### Operation Descriptions

The transmitter is a weather station operating at 433MHz band. The transmitter is powered by a 3V battery ("AAA" size battery x 2) and the transmitting frequency is crystal controlled. The transmitting data is controlled by 2 sensors. The operation is achieved by different combinations of form pulse modulating signal on the 433MHz carrier frequency.

#### Remarks:

The transmitter is a periodic transmitter. Modulation by IC; and type is Pulse modulation.