

FCC ID: UZAHP81046800

Circuit Description

The 433.92MHz resonator drives the base of Q5 the final/buffer amplifier.

The modulation provided by U1. The output of Q5 has the matching network consisting of R14, L3, L8, L1, L2 and C28, C29, C30, C32, C37, C35, C43, C36 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 3cm 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 ("AA" size battery x 2) primary battery

Operation Descriptions

The transmitter is a temperature sensor operating at 433.92MHz band. The transmitter is powered by a 3V battery ("AA" size battery x 2) and the transmitting frequency is crystal controlled. The operation is achieved by different combinations of form pulse modulating signal on the 433.92MHz carrier frequency.

Remarks:

The transmitter is a temperature sensing transmitter. The EUT transmits while a temperature change is being sensed. The transmission signal is modulated by IC, and the type is pulse modulation.