

## Remote thermometer Circuit Description:

### TX Unit:

*The transmitting path is established by below stages:*

#### 1) Thermistor

Temperature signal pick up by thermistor and send to the MCU, MCU will send the data through the SAW and amplifier send to antenna.

#### 2) Modulator (Q2)

The transmit data modulation progress by Q2.

#### 3) RF power amplifier (Q2)

The data will be modulated/ amplified RF signal by Q2, and though via RF of 433.9 MHz fed into the Antenna.

#### 4) Saw oscillator (SW2)

The saw oscillator will reduce harmonic contents of the amplified RF signal.

#### 5) Micro Control Unit (MCU:GM120BP)

The transmit data is controlled by MCU (U4)