TX Operation Description

Modulation Type: FSK
Transmit Frequency: 27.045MHz

When the mouse moved by a user, optical sensor U2 (PAN3101) detects the movement and sends signals from pin 3 (SDIO) and pin 4 (SCLK) to pin 12 and pin 13 of U1 (MCU HT82M72E).

All signals are processed in U1 and encoded. Y1 is an oscillator of RF generator with frequency 27.042MHz. The frequency is modulated to frequency 27.045MHz $\pm$ 10kHz. The signal is output at pin 23 and then is amplified by C15 and Q2 (3356) and transmitted via C7 by an antenna.