

Description of the schematic diagram

Receiver:

The antenna receive the signal and the high frequency amplifier amplify the signal ,then the discriminator UTC3361 select the useful signal pass to Decoder (MA6162) for decode and pass the signal to the PC via USB port.

Transmitter

The transmitter use a 3.0VDC power, the optical IC ATA2180 receiver the sensor's signal about the status of the mice and send the signal to MCU IC MA6221-Q17K,where the useful signal modulated to 27.042MHz and then the amplified high frequency RF signal transmitted from the antenna of the transmitter .