Applicant：Success Compu China Ltd.
FCC ID: X95BL-MTX

Operation Description

The transmitter use a SOC (system on a chip) chip EM78P447 (U1), most of function can be finished by one chip, such as key-press detective, and it is the part of RF operating circuit. The transmitter is made of U1(EM78P447), U5(SENSOR ADNS5030), U3 is RF IC, U2 is ID code storage IC, U4 is power management IC. U4 is the circuit of boost pressure, it make the battery's voltage reach 2.8V to support the mouse working. Clock oscillator is made of U1 internal circuit and U1 surrounding circuit, and it can supply the power for clock pulse. Once start the SWR、SWL、SWM、DPI shift switch, U1 will be process. U5 is optical chip, it can react the movement of tabletop then deliver to U1, U1 will finish all the data code internal and modulate, then enlarged by internal circuit, at last it delivered to the air by antenna. U2 is ID code memory, after the mouse and receiver code connect together successfully, U2 will record this code and backup it for next time.

Antenna is formed by a copper trace on the PCB. Common grounding on PCB is not connected to real external ground. Power supply is DC 1.5V by one AAA battery.