

**APPLICANT:** Shenzhen Sailwider Electronics Co., Ltd.

**FCC ID:** ZF9RCS-S22A

#### Transmitter Circuit Description:

The transmitter consists of 3V Battery, MCU, RF Generator and RF Modulate IC, 10MHz Crystal, induction coil, matched network and Antenna.

10MHz Crystal is the accessory for RF Generator and RF Modulate IC. Through the times-amplify of the frequency in the inner of the IC, it engender the specified frequency ( $f_0$ :433.92MHz) of the RF signal and the FSK Modulated Bias( $\Delta f$ :30kHz).

This device power-supplied by 3V battery and in terms of periodic transmitting, gets the data of induction coil from the MCU , generate the RF signal through RF Generator and RF Modulate IC, then radiate the RF signal to the sky via antenna through matched network, and complete the data-transmitting process wirelessly.