

Circuit Description: Tx

The transmitter is powered with a 12V DC battery BATT1. The transmitter control circuit is formed with a push button S1, transmitter. When S1 is pressed, it wakes up the U1, The LED (D3) is flashed as to indicate the transmitter is turned on. Depending on the dip switches SW1 and SW4 setting, U1 is an encoder that encodes the SW1 and SW4 setting into proper format, the encoded signal then is output serially to Q5 (9014D) and Q4 (8550D). This encoded signal then modulated by the modulator that is formed with a SAW resonator X2 (433.92MHz) and a transistor Q3 (2SC3356). The modulated signal is fed into the antenna circuit L1, L2, L3, and radiated out.