# O44JR1800F447 Circuit Descriptions

**Block1 :** The buttons of this product.
When Being pressde this remote starts to work.


**Block2 :** The battery supply the power of 6volts to the circuits.

**Block3 :** This is the micro-controller.
U1(Mircro-controller)reads the button and make the radio
transmission circuits work.

**Block4 :** This is the real time circuit.
XT2 supply the real time clock to the U1.

**Block5 :** This is the radio power control circuit by U1.
U1 make radil frequency circuits(B7,B9) enable by Block5.

**Block6 :** U1 can make the modulation by this block.
By switcing(between 0V and 4.7V) at VD1 the frequency
modulation is done.

**Block7 :** This is the basic oscillation circuit to radiate the readil frequency.
Q3 oscillates 447.7(MHz) by XT1, L7, C19.

**Block8 :** Beside 447.7(MHz) will be removed by filter(L6,C17).

**Block9 :** The third harmonic frequency 447(MHz) of block7 will be amplified
at this by Q2.

**Block10 :** Besides 447.7(MHz) will be removed by filter(L4, C11).

**Block11 :** The third harmonic frequency 447.7(MHz) of block9 will be
amplifide at this by Q1

**Block12 :** Besides 447.7(MHz) will be removed by filter(L1,C1,C2).