

O44J1WFM4R Circuit Descriptions.

Block1 : The Buttons of this product.

When Being pressed this remote starts to work.

Block2 : The Battery supply the power of 6volts to the circuits

Block3 : This is the micro-controller

U1(Micro-controller) reads the button and make the radio transmission circuits work.

Block4 : This is the real time circuit

RES1 supply the real time clock to the U1.

Block5 : This is the radio power control circuit by U1.

U1 make radio frequency circuits(B7.B9) enable by Block5.

Block6 : U1 can make the modulation by this block.

By switching(between 0V and 3V) at D2 the frequency modulation is done.

Block7. : This is the basic oscillation circuit to radiate the radio frequency.

Q2 oscillates 447.7(MHz) by X1, L3, C10.

Block8. : Besides 447.7(MHz) will be removed by filter(L4,C13).

Block9. : The Third harmonic frequency 447.7(MHz) of Block7 will be amplified at this by Q3.

Block10. : Besides 447.7 will be removed by filter(L6,C20).

Block11. : The third harmonic frequency 447.7(MHz) of block9 will be amplified at this by Q4.

Block12. : Besides 447.7 will be removed by filter(L8,C26).