

VA5JR561FM433 Circuit Descriptions.

Block 1: U100 can make the modulation by this block.

By switching(between 0V and 3V) at VD1 the frequency modulation is done.

Block 2: This is the oscillation circuit to radiate the radio frequency.

Block 3: The third harmonic frequency 433.92MHz of block2 will be amplified at this
By Q7, L17, C48.

Block 4: Besides 433.92MHz will be removed by filter(L16, C46).

Block5: The third harmonic frequency 433.92MHz of block3 will be amplified at this
By Q6, L15, C43

Block6: Besides 433.92MHz will be removed by filter(L14, C40).

Block7: This frequency 433.92MHz of block5 will be amplified at this by Q5, L13, C37.

Block8: Besides 433.92MHz of removed by filter(L12, C32, C33, C34, C35).

Block9: This is the LNA(Low Noise Amplify) circuit.

Block10: This is the oscillation circuit to radiate the local oscillation frequency.
X1 oscillates 433.92MHz(RX) by L10, L11, C20, C21.

Block11: This is the mixer circuit.
Which is amplified at block9 and is generated at block10(Q3, L7).

Block 12: This is the oscillation circuit to radiate the second local oscillation frequency.
By XT1, C30, C31.

Block 13: This is the FM demodulation IC circuit.

Block 14: This is the micro-controller.
This block is consist of block 15, block16, block17, block18, block19, block20, Block21.

Block 15: This is the radio frequency power enable and disable control circuit.

Block 16: This is the real time circuit.

Block 17: XT1 supply the real time clock to the U100

Block 18: The buttons of this product.

When being pressed this remote starts to work.

Block 19: This is the vibration motor circuit.

Block 20: This is the buzzer circuit.

Block 21: This is the LCD circuit.