O44JR561FM907 Circuit Descriptions.

(Block1, 2, 3, 4, 5, 6, 17 is Logic part and another block is RF part)

Block 1: The Battery supply the power of 1.5volts to the Regulator.

Block 2: This is the 3volts Regulator circuit by U101, D100, L100, TC101, TC102.

Block 3: The Buttons of this product.
When being pressed this remote starts to work.

Block 4: This is the micro-controller
U100(Micro-controller) reads the button and make the radio transmission circuits work.

Block5: This is the real time circuit
XT100 supply the real time clock to the U100.

Block6: This is the radio power control circuit by U100.
U1 make radio frequency circuit (B7) enable by Block6.

Block7: U1 can make the modulation by this block.
By switching (between 0V and 3V) at C43 the frequency modulation is done.

Block8: This is the basic oscillation circuit to radiate the radio frequency.
Oscillates 907.1695MHz by U2, XT3, VC2.

Block9: Besides 907.1695MHz will be removed by first filter (L17, C37).

Block10: Besides 907.1695MHz will be removed by second filter (C33, C34, L12, L13).

Block11: This is the Low Noise Amplify and SAW filter circuit by Q1, Q2, L21, L3, SAW1.

Block 12: This is the First local Frequency oscillator(885.7695MHz) circuit by XT2, Q5, Q7, L10, L16.

Block 13: This is the First mixer (21.4MHz) circuit by Q3, L7, MCF1.

Block 14: This is the Second local frequency oscillator circuit by XT1, R14, C21, C22.

Block 15: This is the Second mixer (455KHz) circuit by U1, FT2.

Block 16: This is the Discriminator circuit by U1, FT1.

Block 17: This is the reception power control circuit by U1.