O44JMR600SS Circuit Descriptions.

(Block1, 2, 3, 4, 5, 6 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 U1, U2, D1, D2, L1, TC1, TC2, TC2, TC4.

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

Block 4: This is the micro-controller.
U3(Micro-controller) reads the button and make the radio transmission circuits work.

Block 5: This is the real time circuit.
XT1 supply the real time clock to the U3.

Block 6: This is the radio power control circuit by U3.
U3 make radio frequency circuit (B8, B10, B12, B13) enable by Block6.

Block 7: This is the basic oscillation circuit to radiate the radio frequency.
Oscillates 19.2MHz by XT1, Q6, R11, R12.

Block 8: This is the Single Chip RF Transceiver IC (LNA, PA, Multiplexer, VCO, Demodulator, Modulator, Mixer, PLL) circuit by U1.

BlocK 9: The basic frequency 907.1973 ~ 909.6473 MHz of Block8 will be amplified at this by Q2, L4.

Block 10: Besides 909.6473MHz will be removed by first filter (L2, C4).

Block 11: Besides 909.6473MHz will be removed by second filter (C1, C2, L1).

Block 12: This is the First Low Noise Amplify circuit by Q1, L3.

Block 13: This is the Second Low Noise Amplify circuit by Q5, L10.

Block 14: This is the 908.00MHz SAW Filter circuit by SAW1.