



Circuit Description for IC30RF Remote Control

The crystal (XT201 / CSB455E) starts to oscillate by pressing the function keys (Band, Tune-up, Turn-down & etc) on key matrix of remote control IC (IC201 / KS51840-C6D). And the data of selected key outputs to pin# 19 of IC201.

This data signal inputs to the RF transistor (Q201) through the resistor (R201). The saw resonator (RS201) & RF transistor (Q201) oscillate the 418 MHz (Oscillation frequency) and this oscillation frequency & this input data signal are mixed and amplified. And then this mixed & amplified signal outputs through the antenna.