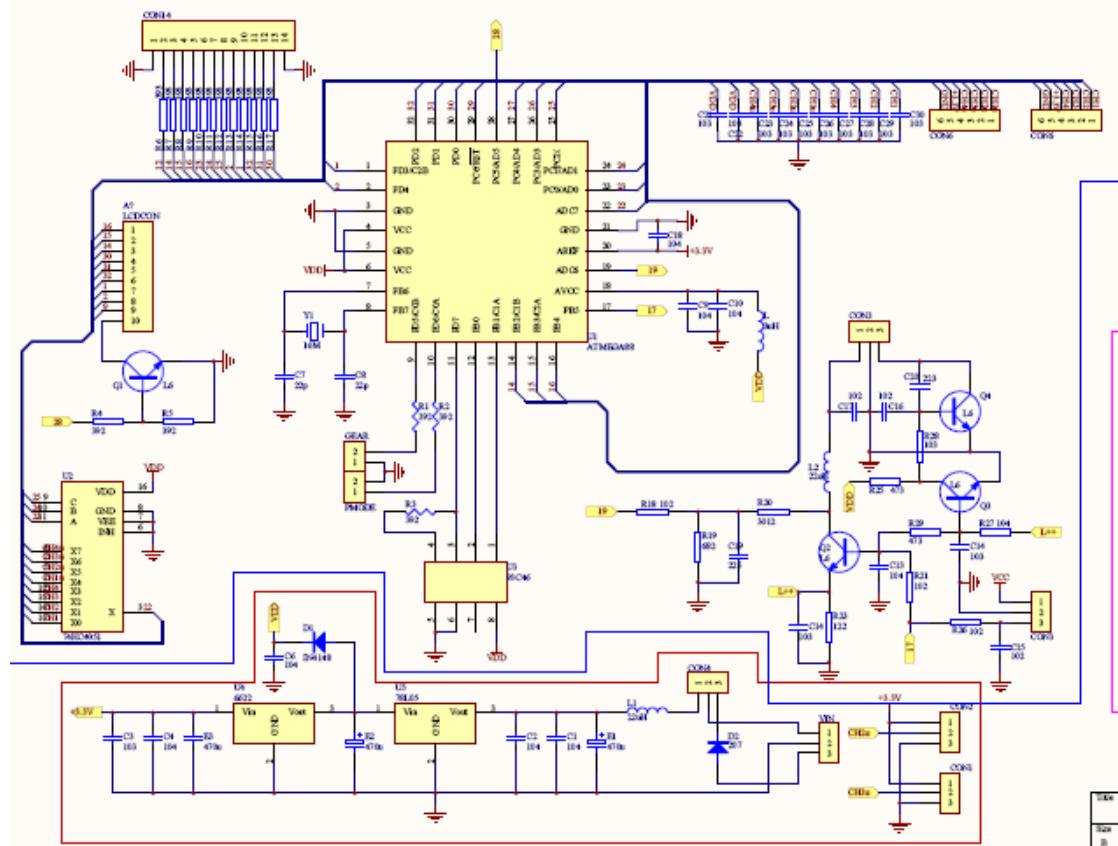


## Operation Description

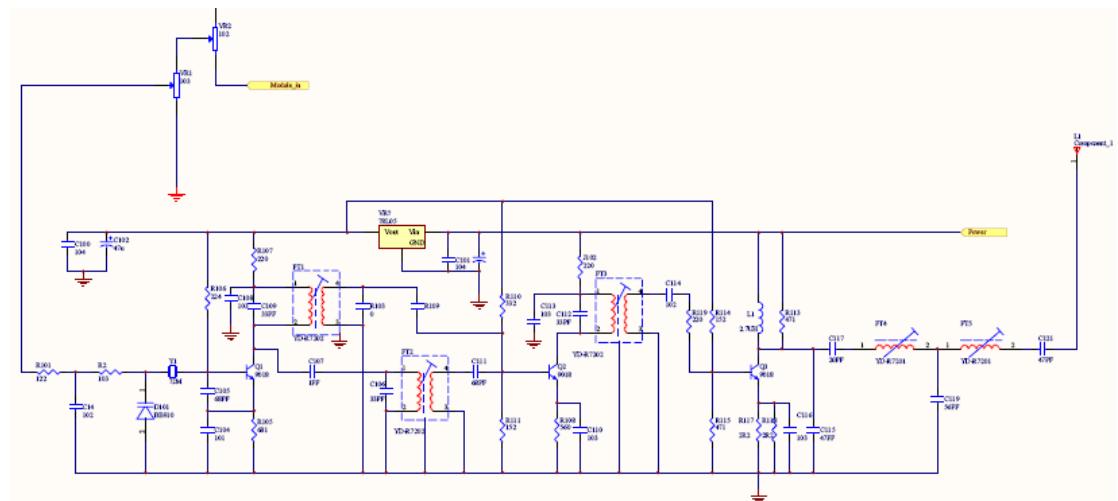
## 1. Controlling



## 2. Principle Analysis

The signal of the external potentiometer is input to the micro controller through low pass filter, and the micro controller will AD sample the input signal and code it. The coded base band signal will be output by the second angle.

### 3. RF



4. Principle Analysis

The base band signal output by the second angle is sent to RF module, modulated at high frequency carrier and then radiated out through antenna.

For each channel through the above decoding circuit.

5. Power Supply

The power supply by Battery (AA\*8).

6. Transmitter Specification

Frequency:72.690MHZ

Modulation frequency coding :  $\pm 5\text{KHZ}$

Carrier frequency modulation model: FM

Power: $\leq 100\text{mW}$

Working voltage:9.6~12V

RF ouput power:0.017W

7. Information of Antenna

Gain :-3 dB/-0.5dB

DC Resistance:  $>0.3\text{ OHM}<1\text{ OHM}$

Resistance: 50 OHM