

4. Block diagram

4.1. Receiver

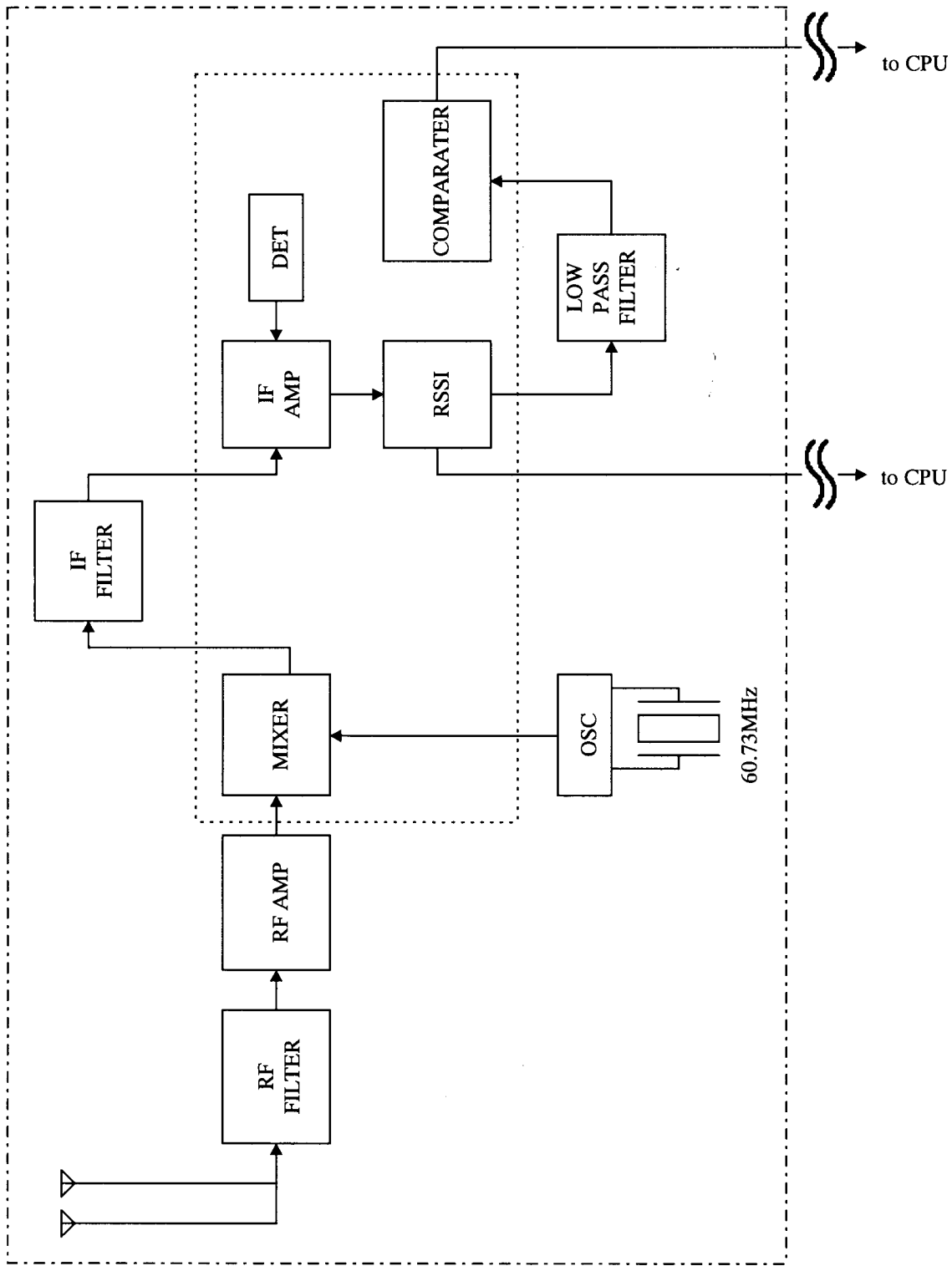


Fig. Block diagram of receiver

### 5.1 Receiver

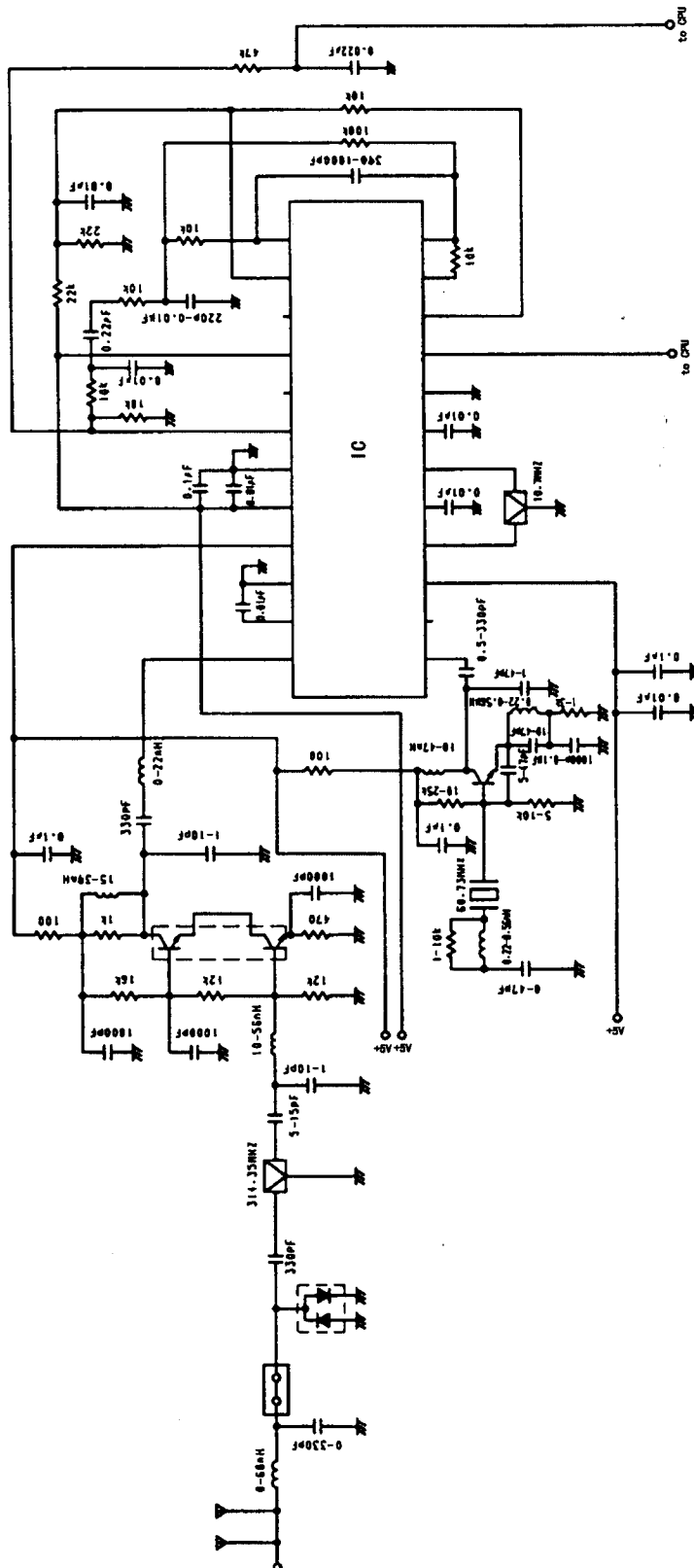


Fig. Circuit diagram of receiver

## 6. Component listing

### 6.1. Receiver (1/2)

| Part Name  | Description   | Number of Units |
|------------|---------------|-----------------|
| IC         | -             | 1               |
| Transistor | -             | 2               |
| Diode      | -             | 1               |
| Inductor   | 0 - 22nH      | 1               |
| Inductor   | 0 - 68nH      | 1               |
| Inductor   | 10 - 47nH     | 1               |
| Inductor   | 10 - 56nH     | 1               |
| Inductor   | 15 - 39nH     | 1               |
| Inductor   | 0.22 - 0.56nH | 2               |
| Capacitor  | 0 - 47pF      | 1               |
| Capacitor  | 0 - 330pF     | 1               |
| Capacitor  | 0.5 - 330pF   | 1               |
| Capacitor  | 1 - 10pF      | 2               |
| Capacitor  | 1 - 47pF      | 1               |
| Capacitor  | 5 - 15pF      | 1               |
| Capacitor  | 5 - 47pF      | 1               |
| Capacitor  | 10 - 47pF     | 1               |
| Capacitor  | 220p - 0.01μF | 1               |
| Capacitor  | 330pF         | 2               |
| Capacitor  | 390 - 1000pF  | 1               |
| Capacitor  | 1000pF        | 3               |
| Capacitor  | 1000p - 0.1μF | 1               |
| Capacitor  | 0.022μF       | 1               |
| Capacitor  | 0.01μF        | 7               |
| Capacitor  | 0.22μF        | 1               |
| Capacitor  | 0.1μF         | 4               |

6.1. Receiver (2/2)

| Part Name | Description | Number of Units |
|-----------|-------------|-----------------|
| Resistor  | 1 - 10kΩ    | 1               |
| Resistor  | 100Ω        | 2               |
| Resistor  | 470Ω        | 1               |
| Resistor  | 1kΩ         | 1               |
| Resistor  | 1 - 3kΩ     | 1               |
| Resistor  | 5 - 10kΩ    | 1               |
| Resistor  | 10kΩ        | 5               |
| Resistor  | 10 - 25kΩ   | 1               |
| Resistor  | 12kΩ        | 2               |
| Resistor  | 16kΩ        | 1               |
| Resistor  | 18kΩ        | 1               |
| Resistor  | 22kΩ        | 2               |
| Resistor  | 47kΩ        | 1               |
| Resistor  | 100kΩ       | 1               |
| Filter    | 314.35MHz   | 1               |
| Filter    | 10.7MHz     | 1               |
| Crystal   | 60.73MHz    | 1               |
| Antenna   | -           | 2               |
| Jumper    | -           | 1               |