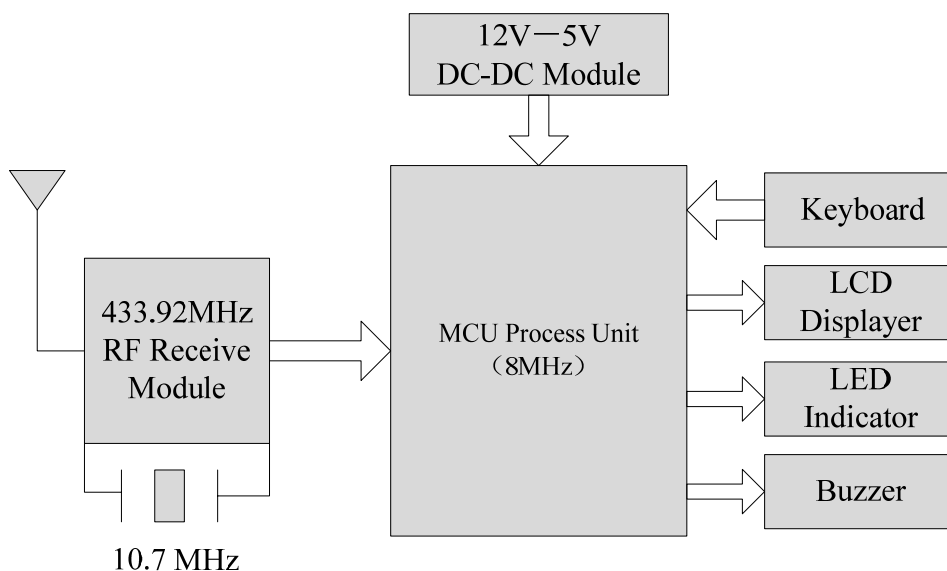


**Block Diagram:****Circuit Description:**

The EUT is a receiver powered by DC12V automobile battery through a 12V-5V DC-DC Module. The main frequency of its MCU is 8MHz. The receive module work at 10.7MHz. The EUT has a dextral helix antenna with 4.5 circles.

(待测样品通过 12V-5V 电源模块由 DC12V 车载蓄电池供电，MCU 主频为 8MHz，接收模块晶振工作于 10.7MHz，接收器天线为 4.5 圈、右旋的螺旋天线)

**Function Description:**

The EUT receives the data from a transmitter mounted on the tire, and display the pressure and temperature of the tire to the LCD. It will light the LED or/and buzz the buzzer to warn the user there maybe a danger, in the case of an abnormal state of the tire(including over-inflated, over-deflated, over-temperature, fast leaking and so on). The user can set the warning thresholds, display units from the Keyboard.

(待测样品接收来自装于轮胎上的发射器的数据，并在 LCD 上显示轮胎的压力和温度信息。在轮胎出现异常状态(包括高压、低压、高温、漏气等)时，该样品会通过 LED 闪烁、蜂鸣器蜂鸣等形式向用户报警。通过按键用户可以设置报警门限、显示单位等)