BLOCK DIAGRAMS :

Schematic block TX

Frequency 433.92 Mhz

Modulation : OOK (AM 100%)

Regulator → 3V00 → CC1100 → PA → 90° → Differential to single-endle adapter. Balun → LC Filter → Capacitor → Whire antenna

6V — GND

Crystal 26Mhz — R_BIAS — GND
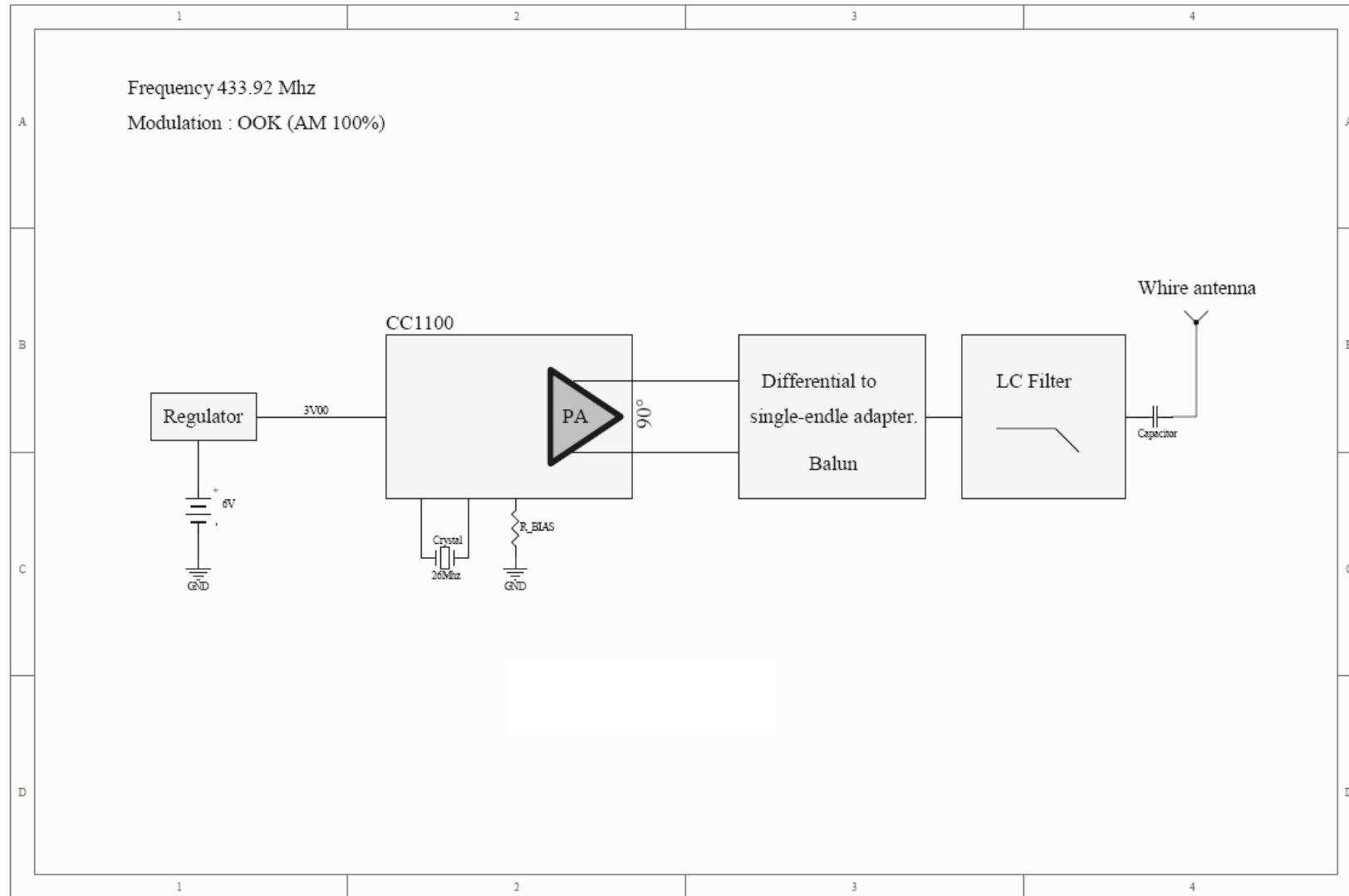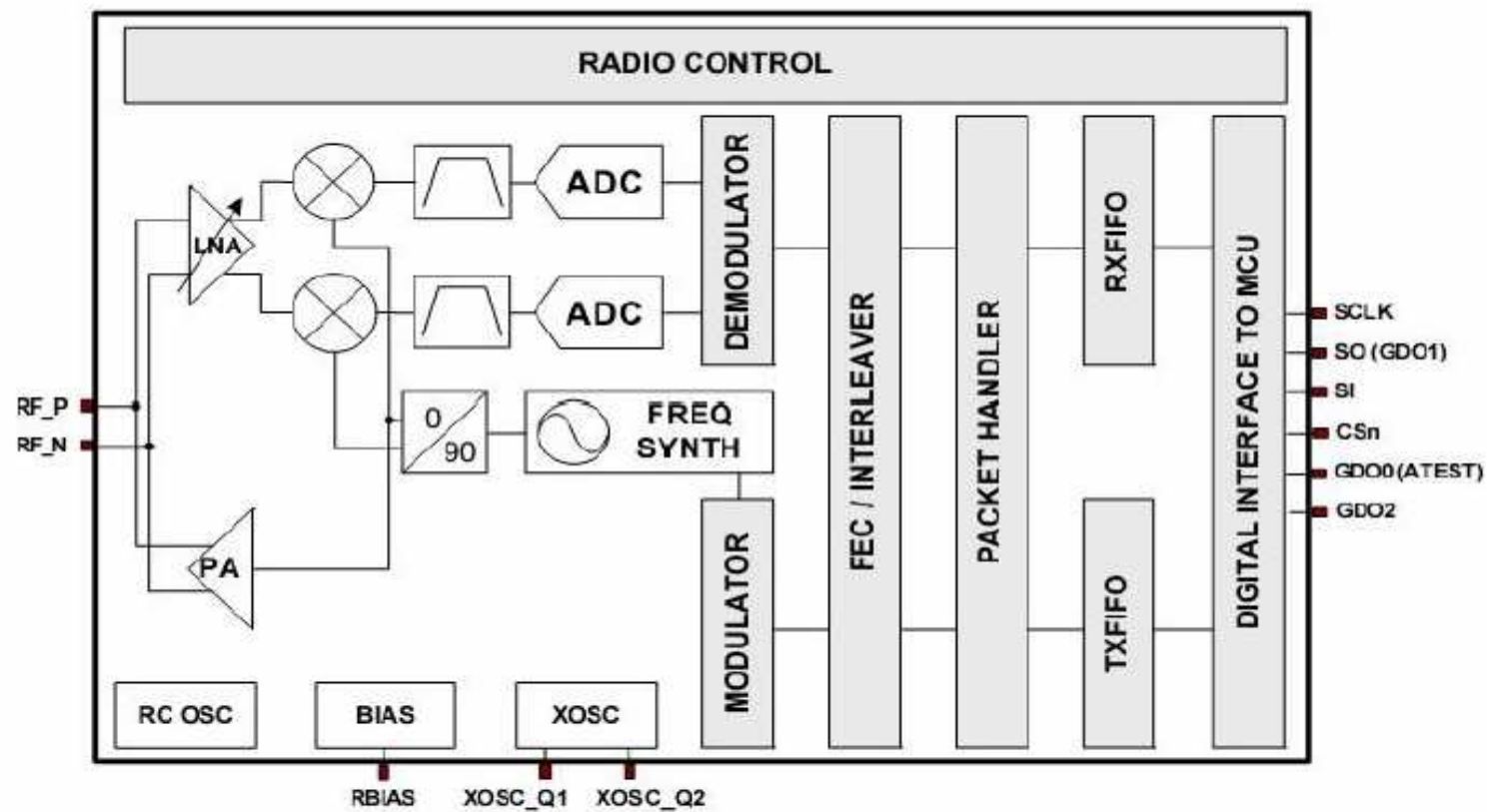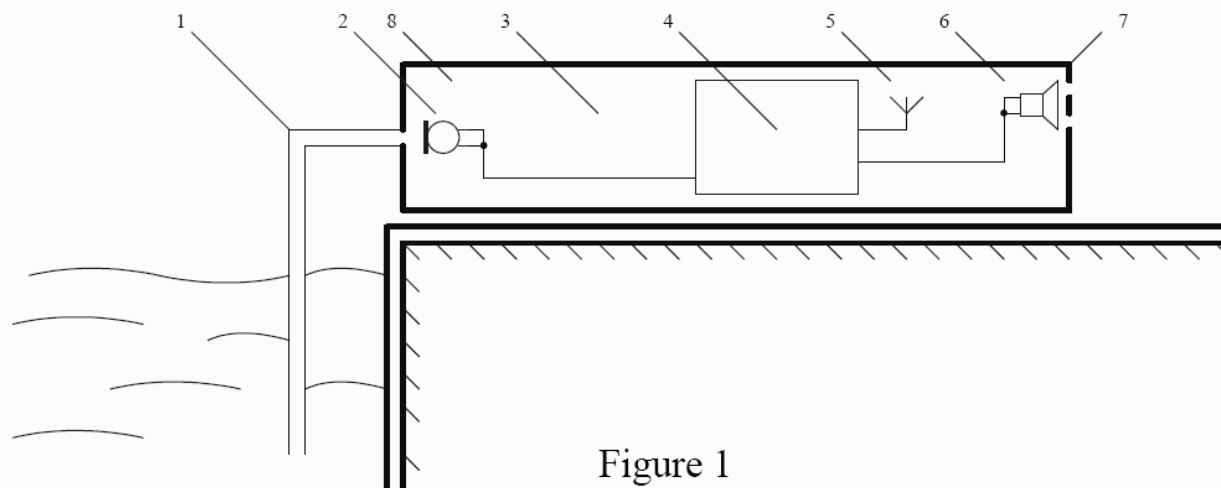
Synoptique du CC1100

POOL ALARM

Figure 1

1 : Tube
2 : Sensor
4 : Electronic motherboard
5 : Transmitter with integrated antenna
6 : Sirena
7 : Plastic case
10 : Amplificator
11 : Band pass filter
11 : Amplificator
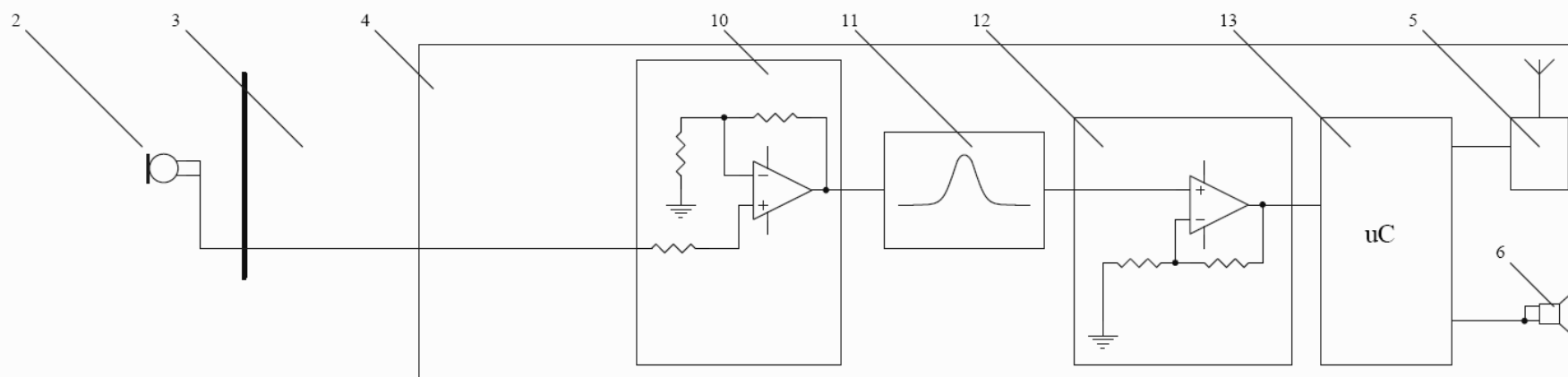13 : Microcontroleur

Figure 2