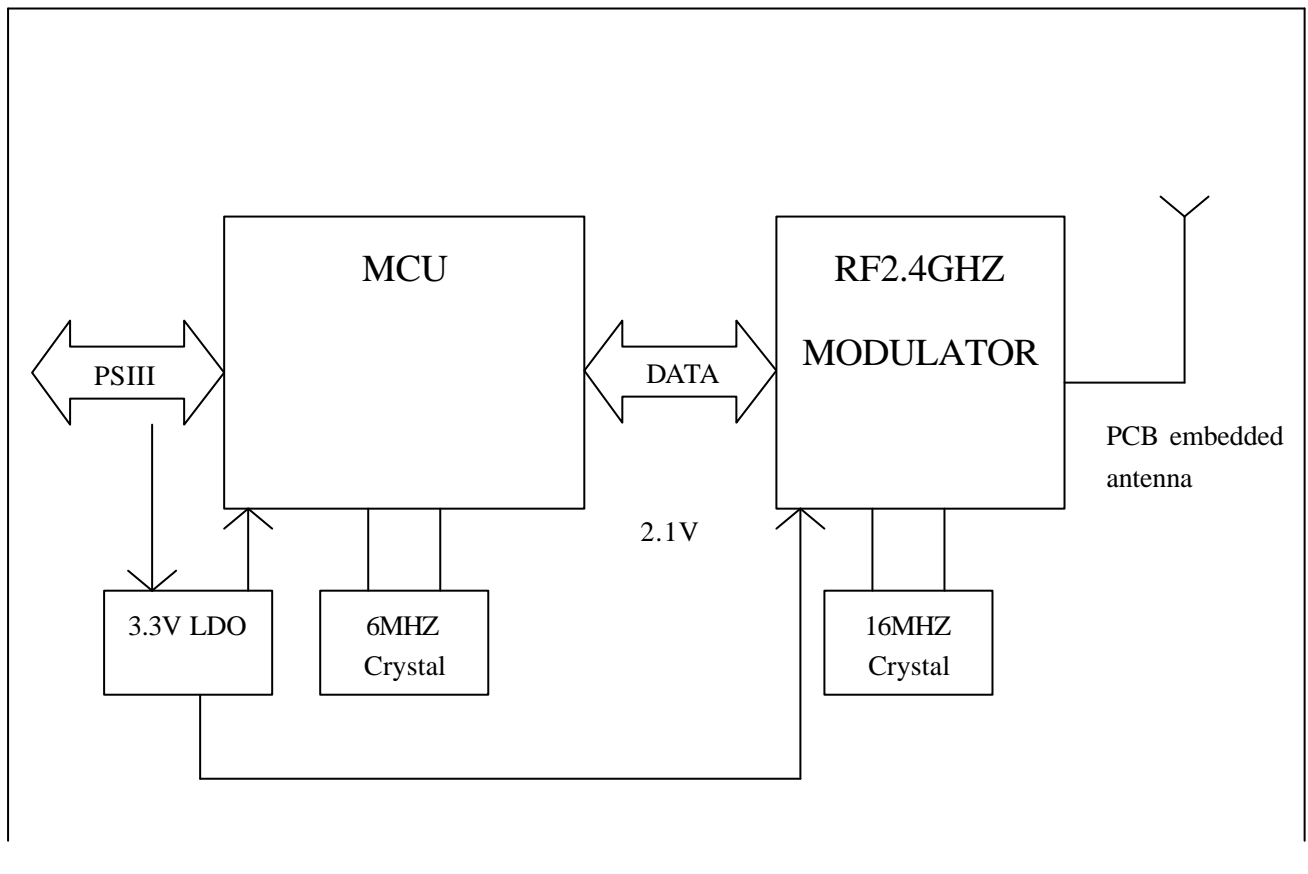# Diagram

1   Host side

1. Crystal: 6M crystal supply the mcu base frequency,
2. The mcu: the mcu according the frequency deal with the modulator single and send to ps3 console, make game pad control single to control the game, at the same time the mcu deal with transmit the CRC data to game pad, make receive data is right.
3. Modulator: receive and tranmit the control data and CRC data, and received data sent the mcu.
4. LDO: supply the 3.3voltage to MCU and RF modulator!

5. PCB antenna: the 50 OHM PCB antenna make the RF single transmit and receive.