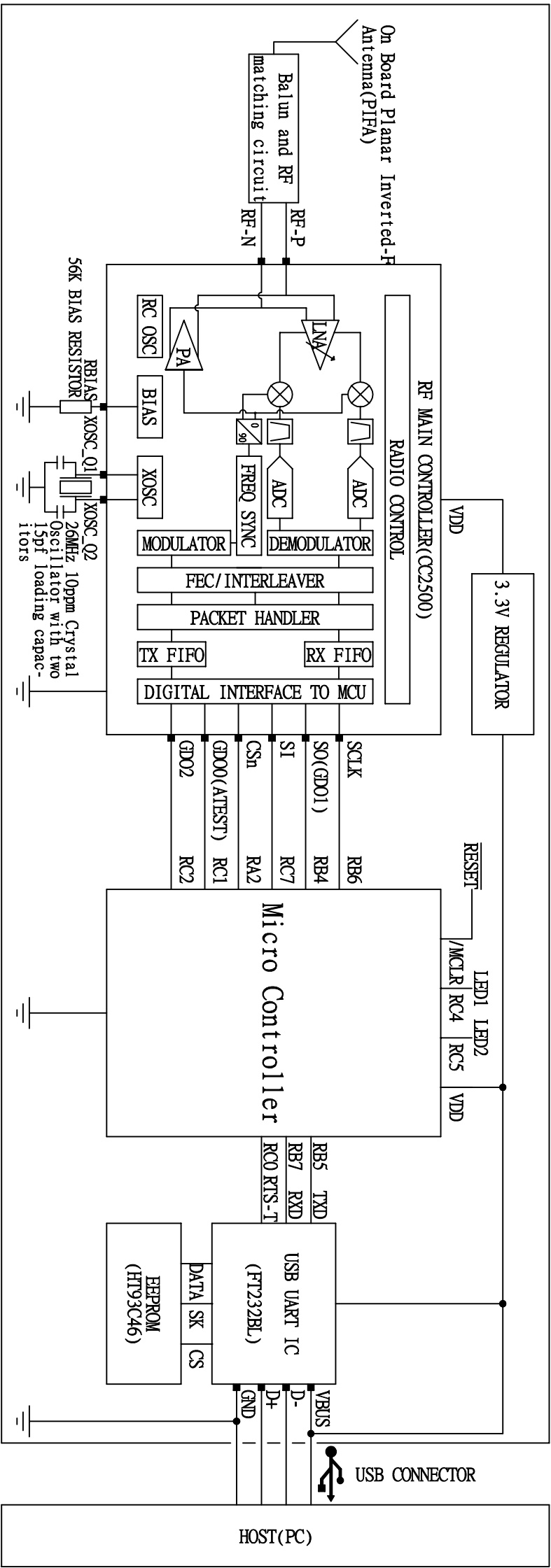


RF15 BLOCK DIAGRAM



RF CONTROLLER BLOCK DESCRIPTION:

- 1:CC2500 controlled by a micro controller via six SPI pins
- 2:Radio frequency range from 2433MHz to 2483MHz can be transmitted and received by cc2500 via an on board PIFA
- 3:Output power up to 0 dBm with -101dBm receiver sensitivity
- 4:Data rate up to 500kpbs by MSK or FSK modulation
- 5:Low current consumption 13.3mA
- 6:Channel Range: 0-250, Channel Spacing: 199, 951172kHz
- 7:Suited for system compliant with EN300 328 and EN300 440 class 2 (Europe) FCC CFR47 Part 15(US) ARIB STD166(JPN)

MICRO CONTROLLER BLOCK DESCRIPTION:

- 1:The USB UART IC(FT232BL) connects to HOST(PC) via a USB cable. It receives data from HOST(PC) and it also transmits data to HOST(PC) controlled by a micro controller through three UART(RS232) pins
- 2:The micro controller receives and transmits data from/to CC2500 via six SPI control pins