

The diagram illustrates a 433MHz transmitter and receiver circuit. The transmitter path (bottom) consists of a BFR92A driver, a BFR92A power amplifier, a CH.CRYSTAL & BFR92A frequency multiplier, and an MMBV109 diode. The receiver path (top) consists of an antenna, a BFR92A driver, a BFR92A mixer, a 10.7MHz filter, a KTC3879Y IF amplifier, a 2nd MIXER (TA31142), and a CPU PIC16C621. The PIC16C621 has RX DATA and TX DATA pins connected to a SW1~4 switch. A POWER UP CIRCUIT (RH5RI301B) is connected to the PIC16C621 and the transmitter path. The circuit is powered by a 1.5V TO 3V source.