Circuit Description:

This product uses the 915MHz public frequency and the FSK modulation system which is in favor of anti-electromagnetic interference, also its transmitting module and receiving modules has good anti-electromagnetic interference ability, moreover, the spike surface acoustic ware filter used by the receiving part plays an important role in raising the wireless PTT's anti-interference ability.

Press PTT when the user needs to deliver words, then the SCM(Single Chip Micyoco) would start to work and carry out the procedure in the chip, and then output the signal to the RF module. Meanwhile, the 10M Hz Crystal Oscillator begin to vibrate to drive the RF chip to work. The RF chip would match the network through an antenna after working, and transmit the particular signal of the 915 M Hz.

Antenna, Ground, and Power Source

The antenna using built-in forms, which consists of a φ1.0×6.8cm wire around in the PTT. There is no external ground connection. The ground is only that of the printed circuit board. Electric current of the transmitting part is supplied by a 3.0 Volt Lithium batteries. Electrical source of the receiving part is supplied by interphone.