

Circuit Description

1. Transmitter

When receiver received every RF control signal from 902.978MHZ-903.022MHZ, through the antenna received to module to proceed the buffering and amplifying then send to RF control (EA002HXM) to transform the signals to functional control (ET30X210HXX).

The PSII transmitter's function key signal through the function control IC (ET30X210HXX) transform, sent to RF control IC (EA002HXM) to perform the mix-freq. by using the oscillator 14.7456MHZ. Then send to module to proceed the freq. Rang define and course control after oscillator sent to antenna transmit to receiver.

2. Receiver

When transmitter send every RF control signal from 902.978MHZ-903.022MHZ through the antenna received to module to precede the buffering and amplifying then sent to RF control (EA001HXM) to transform the signals to interface control. (EA001HXM) and sent to PSII console.

The PSII console sent the protocol through the interface control IC (EA001HXM) transform, sent to RF control IC (EA001HXM) to perform the mix-freq. by using the oscillator 14.7456MHZ. Then sent to module to proceed the freq. Rang define and course control after oscillation sent to antenna transmit to transmitter.

3. Antenna

PCB with cupper film, no ground.

4. Power

5(AAA × 3 rechargeable battery) with 4.5V UL charge.

5. Range

10M