

Applicant: ARRAY ELECTRONIC CO., LTD.

FCC ID: TOFAUT210

Operation Description

1. Audio

1). MIC AMP (U₁)

This amplifies the voice signal of 50Hz~15KHz by about 20dB and makes pre-emphasis features of 50us.

2). Regulator (U₆)

This makes standard voltage for MIC AMP and RF part being supplied power from 3.0V battery.

2. RF

1). Q₄ is the oscillation circuit.

This controls the transmitting frequency via PLL (U₅).

The frequency is through the buffer amplifier (Q₁, Q₅) then to the first frequency amplifier Q₂ then to the second frequency amplifier Q₃ and finally be sent out to the antenna via the bandpass filter.

2). U₃ is the infrared receiving units, which control PLL (U₅) to change the frequency of the transmitter via CPU (U₂) when receiving the infrared signal.

3). U₄ is the EEPROM, which is used to save the data of the frequency of the transmitter.