

Applicant: ARRAY ELECTRONIC CO., LTD.

FCC ID: TOFAUT210

Operation Description

1. Audio

1). MIC AMP (U_1)

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

2). Regulator (U_6)

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

2. RF

1). Q_4 is the oscillation circuit.

This controls the transmitting frequency via PLL (U_5).

The frequency is through the buffer amplifier (Q_1 , Q_5) then to the first frequency amplifier Q_2 then to the second frequency amplifier Q_3 and finally be sent out to the antenna via the bandpass filter.

2). U_3 is the infrared receiving units, which control PLL (U_5) to change the frequency of the transmitter via CPU (U_2) when receiving the infrared signal.

3). U_4 is the EEPROM, which is used to save the data of the frequency of the transmitter.