

Applicant: ARRAY ELECTRONIC CO., LTD.

FCC ID: TOFAUH210

## Operation Description

### 1. Audio

- 1). MIC AMP ( $U_1$ )
- 2). Regulator ( $U_4$ ) BATT (1.5V)

### 2. RF

- 1).  $Q_5$  is the oscillation circuit.

This controls the transmitting frequency to the buffer amplifier ( $Q_2$ ,  $Q_6$ ) via PLL ( $U_6$ ).

$Q_3$

This multiplies the frequency oscillated from  $Q_2$ ,  $Q_6$ .

$Q_4$

This multiplies the frequency oscillated from  $Q_3$ .

The frequency from  $Q_3$  will be sent out to the antenna via the bandpass filter.

- 2).  $U_3$  is the infrared receiving units, which control PLL ( $U_6$ ) to change the frequency of the transmitter via CPU ( $U_2$ ) when receiving the infrared signal.

- 3).  $U_5$  is the EEPROM, which is used to save the data of the frequency of the transmitter.