

## **FCC ID: PQN44396TX27145**

The brief circuit description is listed as follows :

- Q2 and associated circuit act as Modulator and Amplifier.
- Q12 and associated circuit act as Buffer Amplifier.
- Q1, X1 and associated circuit act as 27.145 MHz Oscillator.
- Q3 and associated circuit act as Modulator.
- Q4 and associated circuit act as Phase Inverter.
- U1 acts as Encoder and MCU.
- Z1(XX005) and associated circuit act as Voltage Regulator for U1.
- SW5 acts as Channel Switch.
- SW1 – SW4 act as Control Keys.
- U2, U3, Q5 – Q10 and associated circuit act as Charger Circuit.
- Z2, Q7 and associated circuit act as Voltage Regulator for U3.

## **Antenna Used :**

Telescope-type antenna with unique antenna connector.

## XX005 IC specification

### GENERAL DESCRIPTION

XX005 is single chip high quality voice synthesizer IC which contains one 4-bit Input port, three 4-bit I/O ports and a tiny controller. By programming through the tiny controller, user's application includes section combination, trigger mode, control outputs, keyboard matrix and other logic function can be easily implemented.

### FEATURES.

- Single power supply.
- Power down mode for saving power consumption.
- Reset pin available.
- Single ROM for voice program.
- Readable ROM data.
- One 6 bit timer overflow control is provided.
- Two stack for subroutine call.
- 5 bits ASPCM synthesis.
- 38K Hz modulation for IR transmission.
- 15 steps volume control.
- Direct Drive/traditional DAC.
- 8 bits resolution D/A.