

**APPLICANT:**  
**SHENZHEN CHINA EAST ELECTRONICS CO., LTD.**

**FCC ID: OIRCE238**

**CIRCUIT DESCRIPTION:**

This unit is a low power walkie talkie operating in DUPLEX of the 49.860 / 49.405 MHz bands.

While transmitting transistor Q1 serves as a crystal controlled oscillator.

Transistors Q2 used as R.F. AMP. for power output to ANT., Q3 used as an audio amplifiers and amplitude modulate the transmitter.

When receiving transistor Q4 serves as a mixer of the antenna signal and OSC signal. IC serves as I.F. AMP. and detector. Audio goes to Q5 and Q6 drives the audio output connected to the earphone.

The unit is powered by a 9 volt transistor battery.

**ANTENNA & GROUND:**

This unit used a short, helical antenna. The antenna is self contained and there is no provision for connecting an external antenna.

No ground connection is provided. The only ground used is the ground track on the PC board.

Shen Zhen China East Electronics  
JOB #: 175ZH1  
FCCID : OIRCE238  
EXHIBIT : 10