19130（27.145MHZ）Circuit Description

1）The received signal

When received 27.145MHZ AM，After the antenna matching inductor T1 change-over switch KI added to the high frequency amplifier，The amplified high frequency signal through the super-regenerative detector，Detector out of the audio signal after the change-over switch K1 added to the audio power amplifier LM386 enlarge，The amplified audio signal through the speaker sound

2）Transmitter signal

The operating frequency in 27.145MHZ，When the change-over switch is pressed to produce a 27.145MHZ oscillation signal，Microphone the received talk signal，After audio power amplifier LM386 enlarge，The amplified audio signal added to the modulation circuit is modulated to enlarge，Changeover switch K1 , T1 added to the antenna out。

3）Morse code function，

When the Morse code switch is pressed , the audio signal through the LM386 audio power amplifier to enlarge，The amplified audio signal added to the modulation circuit is

modulated to enlarge，After the change-over switch K1 , T1 added to the antenna。

4） The product use DC9V battery-powered (6F22)，The Receive operating current is 15mA to 20mA，The Transmit operating current is 25mA to 30mA Output Power 0.01mW to 0.02mW The operating frequency for 27.145MHZ ±100PPM