

興業電子有限公司  
**HING YIP ELECTRONIC CO LTD**

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TO : INTERTEK TESTING SERVICES

**MK-15FM/49.860MHz CIRCUIT DESCRIPTION**

This unit is a low power walkie talkie operating in the 49MHz band.

While transmitting transistor Q9 serves as a crystal controlled oscillator. Transistor Q8 is Mic amplifier and used to frequency modulate the transmitter. Transistor Q10 is 49.860MHz bandpass filter. Transistor Q11 is RF amplifier.

When receiving transistor Q1 is used as a RF amplifier and Q2 is a super heterodyne converter, transistor Q3 is local oscillator. Intergrated circuit U1 is FM IF AMP & DET. Transistors Q5 to Q7 are audio amplifier. Transistor Q4 is mute control.

The unit is powered by a 9 volt transistor battery.