

OPERATIONAL DESCRIPTION (EXCERPT FROM TEST REPORT)

In the transmit mode, Q1 is the 49.86 MHz crystal oscillator and is transformer (T1) coupled to the antenna. SP1, the speaker, becomes a microphone, Q2 becomes the microphone preamp, Q3 and Q4 are audio amplifier stages. If SW3 is depressed then a feedback path is completed that causes an audio amplifier stages to break into oscillations so that morse code can be sent. In receive, Q1 becomes an RF amplifier and Q2 a detector. Q3 and Q4 stay audio amplifiers and SP1 the speaker.

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