

AAT Theory of operations.

Power is provided using a 1.5 volt battery and a 1.5 volt to 5 volt DC to DC converter.

T2 turns on when signal is detected by TR2.

This turns on T3, when T3 is turned on, the control pin of the DC to DC converter is above .9 volts. This turns the DC to DC converter on to provide the 5 volts for the Colpitts oscillator.

A SAW resonator is used as the primary frequency determining element. Frequency used is 433.92

When no signal is detected by TR2 the DC to DC converter is switched off by no forward voltage on the control pin 1 of the DC to DC converter and R4 and R3 which keeps the control pin 1 of the DC to DC converter low.