AAA Theory of operations: **July 13, 2004**

Power is provided using 1.5 volt battery and a 1.5 volt to 5 volt DC / DC converter (TIC1).

TQ2 turns on when signal is detected by chock1.
This turns on TQ3, when TQ3 is switched on the control pin of the DC /DC converter is above .9 volts. This switches the DC converter (TIC1) to on state thus providing the 5 volts to operate the Colpitts Oscillator.

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

When no signal is detected by Chock1 the DC / DC converter is maintained in the off state by not having any forward voltage on the control pin of the DC / DC converter.

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