

What's Really Inside The Regency HT?



If you have been in the market for a hand-held transceiver for the 2-meter FM frequencies, you are by now aware that there are several such units on the market and that there is much diversity in both features and price. One unit, which is at the lower end of the price scale while still retaining a respectable position on the features chart, is the Regency Model HRT-2.

This transceiver is a five channel, all solid-state (3 IC's, 22 transistors, 6 diodes), compact package featuring a Hi-Low rf

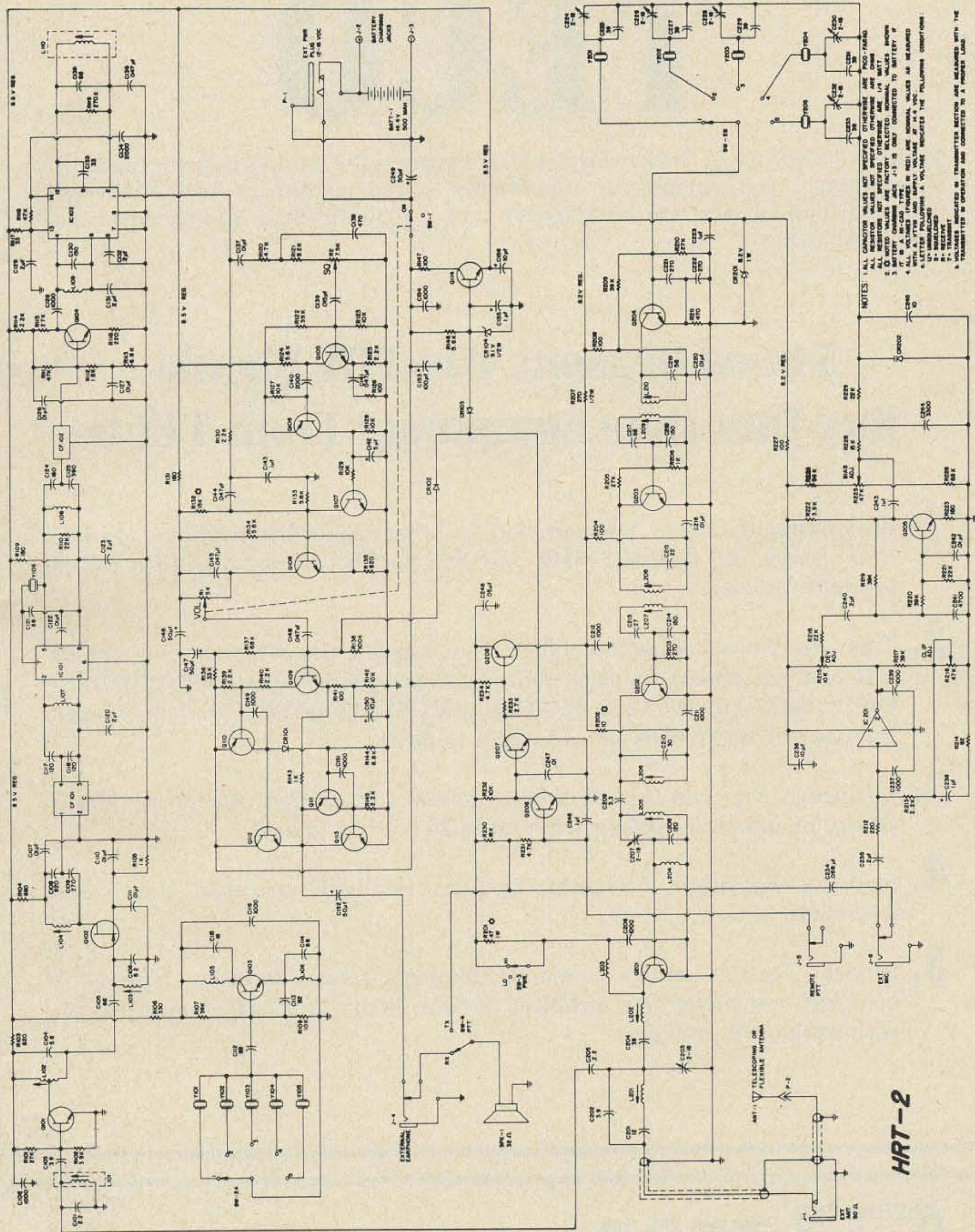
output of 1W/2.2W and a receiver sensitivity of 0.7 μ V for 20dB quieting. Individual netting capacitors are provided for each of the 5 transmitting and 5 receiving crystals. All crystals are the plug-in type. Frequency modulation is generated via the standard biased varactor diode arrangement. An internal pot permits deviation adjustment from 0 to 7 kHz and is factory set at approximately 5 kHz. The receiver section is a double-conversion, super-hetrodyne design and uses two ceramic filters to assist in cross-channel interference rejection. Both transmitter and receiver are designed to operate uniformly across the entire 144-148 MHz band. Plug jacks are provided for using an external microphone with a remote PTT switch. (This is required when the rig is worn with a belt clip — a convenient mode of operation.) An external earphone jack is likewise provided.

The HRT 2 does not come battery equipped from the factory, leaving the operator with the choice of purchasing either the mercury type or the more expensive, rechargeable, nickel-cadmium battery pack. The ni-cad need not be removed from the transceiver for recharging, as there are two recessed contacts located on the bottom of the unit for this purpose. NOTE: these contacts are automatically *not* connected when a mercury battery is installed...they tend to make loud noises when an attempt is made at recharging. The battery charger, a rubber ducky antenna, external microphone, earphone, etc., are available from Regency.

One other feature of the handie-talkie, not yet mentioned, is that its case is made of Acrylonitrile-Butadiene-Styrene. Say that three times real fast! In other words, high impact plastic, for when the time comes that you will drop the unit from your beer can type grip.

Priced at \$179.00, Regency should sell a lot of these radios.

...W3WTO



Behold, the complete schematic.