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## Tune Up Procedure – YX400P Repeater

The YX400P Repeater does not contain any parameters that require tuning in order to operate normally. The frequency of operation is controlled by microprocessor, and the tolerance is determined by a temperature compensated crystal oscillator (TCXO) with an accuracy of  $\pm 1.5\text{ppm}$ . The signal gain of the transmitter is limited by the feedback to the input antenna, and thus stays below the design maximum. The output power is also measured by a power detector to verify it stays below the design maximum.

In production, both transmitters are tested to verify performance within the specification. No tuning is necessary for this test; it is a pass/fail result only.