

XV TRANSVERTER OWNER'S MANUAL

ERRATA

Rev. E-3, March 27, 2011

THESE CHANGES MUST BE MADE TO THE MANUAL OR YOUR TRANSVERTER WILL NOT FUNCTION CORRECTLY

1. **Table of Contents, just above "Schematics and Parts Placement Diagrams":** Add

XV144 Local Oscillator Adjustment.....33

2. **Page 32, First Paragraph Under "Local Oscillator Frequency Calibration (Optional)":** In the second sentence, delete "XV144" and add at the bottom of the paragraph, "See next page for adjusting the XV144 Local Oscillator Frequency."

3. **Page 32, Right Column, First Step:** Replace the step with the following:

Attach the frequency counter to either end of molded inductor L3 (near T1 on the RF PCB).

4. **Page 32, Right Column, Second Step:** Under the second sub-step (XV432), change "...between 1.7 and 3.0 VDC." to "...between 2 and 3.5 VDC."

5. **Page 33, Right Column:** Add the following new text in the blank space at the bottom of the page:

XV144 Local Oscillator Adjustment

If you cannot compensate for frequency error using the K2 or K3 Offset menu command, do the following:

Adjust the slug in L19 so it is flush with the top of the inductor frame.

Use the K2 or K3 offset (OFS) menu command to correct any frequency error. If the correction required is more than the 9.99 kHz range turn the slug into L19 and retry the offset command. **Turning the slug into L19 too far may cause the local oscillator to stop.** It may take several iterations to move the local oscillator frequency within range of the offset command.

Measure the voltage between TP1 LO LEVEL and ground while switching the XV144 on and off repeatedly. This voltage is normally between 1.2 and 1.8 VDC. Verify that the voltage returns to the same level each time power is switched on, indicating that the local oscillator is starting reliably

6. **Page 33, Left Column, Second Step:** Under the second sub-step (XV432), change "...between 1.7 and 3.0 VDC." to "...between 2 and 3.5 VDC."
7. **Page 33, Right Column, First Step:** Under the second sub-step (XV432), change "...between 1.7 and 3.0 VDC." to "...between 2 and 3.5 VDC."