

## PT-2 FACTORY TUNE UP PROCEDURE PRIOR TO POTTING

1. Download test firmware. This changes the PT-2 frequency to 216.000Mhz.
2. Adjust trimmer pot VR-01 to set the VCO frequency to 216.000Mhz (+ or - 20Hz).
3. With the frequency at 216.000Mhz, align VC-1 so the VCO test voltage is .3v (+ or - .1V).
4. Check power output to make sure it is 17.0dBm to 19.5dBm.
5. Check that all harmonics or spurious signals are at least 50dB down from main carrier.
6. Download test firmware to change the transmitting frequency to 222.000Mhz
7. Check that the VCO frequency is 222.000Mhz (+ or - 20Hz).
8. Check that the VCO test point is less than 1.7v.
9. Check that the power output is 17.0dBm to 19.5dBm.
10. Check that all harmonics or spurious signals are at least 50dB down from main carrier.