

## CFXPT-90 DESCRIPTION OF CIRCUITRY

The CFXPT-90 transmitter is a PLL synthesized design using a 0.5ppm TCXO as the reference oscillator.

A microprocessor controls all of the functions of the PLL, oscillator, and amplifier stages.

The circuit has a 1 stage VCO oscillator locked to the PLL, followed by 4 stages of amplification. Any harmonic or spurious signals are filtered out by a 5th order 230Mhz low pass filter before reaching the antenna.