

Exhibit K: Tune-up Procedure

FCC ID: CW21669-3

4.2. Transmitter

Program the modem so that it is on the correct operating frequency or in the middle of the operating range. Refer to the proper technical manual for programming information.

With the service monitor in the receive mode, key the transmitter.

Adjust L25 (red) so that there is 4.0V DC on C97 (TP3).

Adjust C91 to set the carrier on the center of the channel. At room temperature (20 deg C) the RF carrier should be set to 300 to 400 Hz above the desired channel frequency.

Adjust C58, C60, C65 and C67 for maximum power output.

Adjust the modem's transmit deviation pot on the modem PCB for 2kHz deviation

With the service monitor set to generate FM, modulate a carrier with a 1kHz tone and 2kHz deviation. Set the RF level to 1mV.

Connect the SINAD meter to J1 pin 13.

Program the modem so that the unit is on the correct operating frequency or in the middle of the operating frequency range.

Adjust the RX VCO using L26 (Orange) so that there is 4.0V at C97 (TP3).

Adjust L11 for a reading of 2.5VDC at pin 13 of J1.

Adjust L4, L5, L6,L7, and L8 for best SINAD. Lower the RF generator's source as the SINAD falls below 20dB, and readjust the inductors until the specified sensitivity is met. Typically, 12dB SINAD will be obtained around 0.7uV.