

6. Tune-Up Procedure

The CPE transmitter (TX) has a power control range of 60dB or more. To ensure accuracy of the CPE TX output power, the TX output power levels are calibrated over the 60dB dynamic range during the factory tune-up process for the CPE.

The TX tune-up procedure involves TX calibration using the calibrated power meter and spectrum analyzer. The CPE TX output power levels can be control by setting the TX power control variables by software.

During the TX calibration, the CPE Test Software will vary the TX power control variables until the desired TX output power levels are measured on the power meter or spectrum analyzer. The TX power control variables are then stored in the Flash Memory to be used as a look-up table. In the TX Calibration Look-Up Table, each TX power control variable corresponds to a desired TX output power level.