

Tune-up Procedure for A03302

Y301 is a VCTCXO that serves as a frequency reference to the transceiver portion of I200. Y301 is adjusted by the DAC (digital-to-analog converter) portion of I200 as part of production calibration & test. The reference frequency of Y301 is adjusted so transmitter frequency accuracy is +/-0.2ppm.

The directional coupler inside I100 provides feedback to the power detector portion of I200, which is then used to adjust the variable gain stages of I200 to maintain consistent transmitter output power. Transmitter output power is adjusted and verified to be 31.7dBm +/-0.5dB.

Transceiver calibration and functional performance testing is performed on every module as part of production test.