

Tune-Up Information

The transmitter device has only one trimmer (see C7 in RF section of transmitter schematics) for adjusting and tuning the output frequency. All the other parameters (power, modulation bandwidth and timing) are pre-set to a fixed value and are not changeable or adjustable.

The alignment procedure involves a setup that includes a synthesized spectrum analyzer. The output signal is monitored on the spectrum analyzer with a scan-width of 20 KHz. The center of the modulated output waveform is adjusted to within ± 2 KHz. of the center frequency. This adjustment procedure is performed on the finished and complete unit as a final test before cover closure (after cover closure the transmitter parameters are verified again). This testing procedure is done while the transmitter antenna is brought to the proximity of a wire antenna connected to the spectrum analyzer.