

receiver.

4. Record the level indicated by the scope.
5. This is the calibration factor for 600 Hz signal with a deviation of 1.5 kHz.

POWER AMPLIFIER T & M:

Set-up:

1. Review Figure 3.
2. Connect the power meter to the output of the power amplifier with a 25-W 30 dB attenuator.
3. Connect the attenuator output to the spectrum analyzer.
4. Connect the output of the exciter to the input of the power amplifier.
5. Set spectrum analyzer REF OFFSET to 30 dBm and REF LEVEL to 43 dBm.

T & M:

1. Adjust C1, C4 and C12 on the power amplifier module for optimum power.
2. Observe spectrum for any signs of oscillation while tuning.
3. Record power output level.

TRANSMITTER T & M:

1. Record total transmit current.
2. Disconnect +12V from exciter TX KEY terminal and record total standby current.
3. Re-connect +12V to exciter TX KEY terminal.

Figure 1: Tune up Procedure