



DataWave Technologies, LLC.

Factory Tuning Procedure

1. Power on transmitter and set to channel 1 operating frequency.
2. Adjust the output power to 300mW using R23. The current draw at 300mW should be around 500mA +/- 50mA.
3. Verify sub-carrier presence and adjust carrier offset by adjusting L2. The offset should be 5.5MHz.
4. Adjust deviation constant by adjusting R1 and measuring the level of video at C8. The proper deviation constant is reached when the peak to peak amplitude of video is .25V.
5. Sweep frequencies from 10MHz to Carrier noting signals exceeding 46dBuV. Make any repairs if necessary. Record any levels within 6dB of limit.
6. Verify 1st and 2nd Harmonic levels not to exceed -39.2dBc. Make any repairs if necessary. Record any levels within 6dB of limit.
7. Repeat Steps 4 and 5 for channel 2 operation as well.