

FCC Information
Transmitter Tune-Up Instructions.
Telex Model PB-1

Attach terminal E4 of the RF Board to the center conductor of a 50 ohm coaxial cable. Attach the braid of the cable to terminal E6 or the shortest path to the ground foil. Terminate the cable into a 3 position coaxial switch. Attach a 50 ohm terminated milliwatt meter to position one of the switch. Attach a 50 ohm terminated deviation meter to position two of the switch. Attach a 50 ohm terminated frequency counter to position three of the switch.

Set the coaxial switch to position 1.

Attach an audio generator to terminal E3 and the ground foil. Set the audio generator output level to 7mV RMS output. Set the generator frequency to 1000 Hz.

Attach a 9.0 VDC source to terminal E5 (+) and E6 (-).

Set the Power-On switch S1 to the ON position.

Monitor the 9.0 V power source current. Alternately adjust inductor L5 and L6 for the maximum increase in power source current. Adjust L7 for maximum increase in power source current.

Alternately adjust VC1 and VC2 for maximum RF power output into the milliwatt meter. Typical output is 35 to 45 mW.

Set the coaxial switch to position 3. (frequency) Adjust L4 for the correct channel frequency on the frequency counter.

Set the coaxial switch to position 2. Adjust VR1 for 12 KHz frequency deviation.

Place the transmitter into the case. Attach the antenna. Readjust VC1 and VC2 for maximum radiated power. END ALIGNMENT