

FCC Information

Transmitter Tune-Up Instructions.

Telex Ev Model HTV

Remove the solder bridge connection between terminal E8 on the RF board and the audio board ground foil.

Attach terminal E8 of the RF Board to the center conductor of a 50 ohm coaxial cable. Attach the braid of the cable to the shortest path to the ground foil near E8.

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 (hot) 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 L6 and L7 for the maximum increase in power source current. Adjust L8 for maximum increase in power source current. Adjust VC1 and VC2 for maximum increase in RF power to the milliwatt meter. Repeat at least one time. Typical output is 35 to 45 mW.

Set the coaxial switch to position 3. (frequency) Adjust L5 for the correct channel frequency on the frequency counter.

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

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Disconnect the cable from E8 and ground. Bridge the connection from E8 to the audio board ground.

Place the transmitter into the case. Readjust VC1 and VC2 for maximum radiated power.

END ALIGNMENT.