

After approximately one minute for warmup, tune the receiver dial until the six meter output of the crystal or VFO is received as indicated by maximum deflection of the "S" meter. Place "S" meter switch in the "RP" position and tune oscillator for plate control for maximum indication. Turn the spot switch to the "Off" position and press the push-to-talk switch on the side of the microphone to actuate the transmitter. Now tune the "PA Control" for maximum meter reading. If there is no effect in meter reading as the "PA Tune" is adjusted, slightly adjust LA-1 doubler core in either direction for max. reading. Then resume "PA Tune" control adjustment. Advance the antenna load control approximately one-third its full clockwise range and retune "PA Control" for maximum meter reading. Increase antenna loading control one dial division at a time, alternately adjusting the "PA Tune" control for maximum meter indication. A meter reading of "S9" indicates normal transmitter operation with an input of 15 watts to the final amplifier. Although higher meter readings are possible and indicate greater power input, such operation is not recommended. The result of such operation is a decrease in the percentage of modulation and a reduction in effective "talk power", which is essential to dependable and reliable communications.

Recheck the foregoing procedure for proper adjustment of the transmitter. When properly loaded, speaking into the microphone will cause a slight upward deflection of the "S" meter, indicating that the speech and modulator is operating correctly.

The microphone is especially selected for its "close talking" and "voice range" characteristics, to reduce the possibility of transmitting background noise, caused by traffic, conversation, etc., within the operating vicinity. Thus, it is necessary to speak directly into the front of the microphone, which should be held about one inch from the lips of the operator.

TV INTERFERENCE:

The KA-570 is equipped with a built in low pass series resonant filter which has been pre-aligned at the factory to suppress interference on channels 2 to 6. In cases where the transmitting antenna is close to television receiving antennae, this filter may not be sufficiently effective. In some instances, the installation of a high pass filter between the antenna lead-in and TV chassis will prove effective. Specific interference on one TV channel may be eliminated by slight adjustment of the trap core in the chassis of the KA-570. (See schematic, TVI). This is required only in severe conditions.

Antenna load: maximum counter-clockwise
Oscillator plate: mid position
P. A. Tune: approximately mid position
Selector switch: in corresponding position to jack used
Meter switch: "S" position
Spot: On