

## SECTION 3 TUNING

### 3.1 Tuning Procedure

This section describes the tuning procedure for the LK400/500 series linear amplifiers. Follow all steps carefully to insure optimum performance of your amplifier. Read all tuning steps before actually tuning your amplifier.

#### CAUTION

THIS UNIT IS SHIPPED READY FOR 234 VAC OPERATION (EXCEPT LK450). REFER TO INSTALLATION INSTRUCTIONS FOR 117V OPERATION.

1. Set the BANDSWITCH to the desired band. If your amplifier is model LK450/500/550NTC, go to step 4, otherwise proceed on to step 2.
2. Set the LOAD control on number shown on Tuning Chart.
3. Set the PLATE control on number shown on Tuning Chart.
4. Set the ON/AC control to ON.
5. Select the correct antenna for the band selected. Insure antenna VSWR is acceptable before proceeding.
6. Set the XMIT/STBY control to XMIT. The green LED indicates the amplifier is in the Ready To Operate mode. If your amplifier is model LK500NTC, go to step 7, otherwise proceed to step 8.
7. Set Meter switch to grid current (this is read on Plate Voltage/Grid Current Meter).
8. Insert a small amount of exciter drive until the plate current begins to rise to approximately 400mA. If your amplifier is model LK450/500/550NTC, go to step 16, otherwise proceed to step 9.