

ADJUSTMENTPROCEDURES

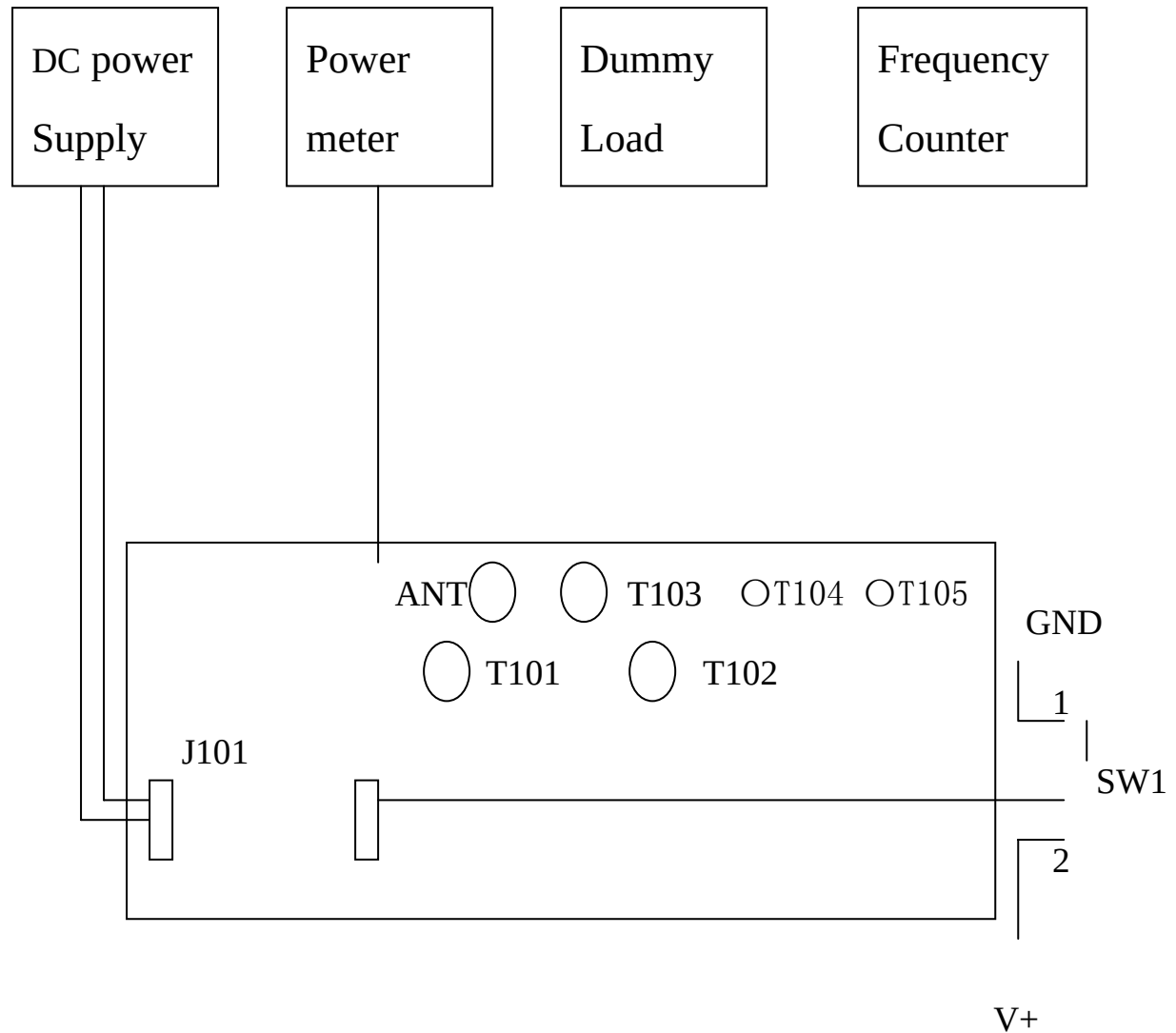
1. Transmitter Power Adjustment

- a).Adjust the DC power supply so that 12V is obtained at the battery terminals. Confirm that the power meter, dummy load and output tester are prepared.
- b).Turn the power on and plug a XTAL element(72.550MHz)into the crystal socket.
- c).Adjust T101,T102,T103,T104 and T105 in this order so the power meter reading become maximum.
- d).Repeat procedure c several times. The RF power meter reading should be more fhan 0.10W when the power is on and at a normal temperature. Then check the current meter reading should be less than 100mA.

2. Transmission Deviation Adjustment

- a).Set up the unit for the transmission mode.
 - b).Set the Switch 1 to position “1” ,then adjust VR101 so that the frequency counter reading is-1.5KHz (72.5485MHz)
 - c).Set the Switch 1 to position “2” ,then adjust VR102 so that the frequency counter reading is+1.5KHz(72.5515MHz)
 - d).Repeat procedure b, c, so that maximum deviation is ± 1.5 KHz
- Adjustment setup block diagram

ADJUSTMENT SETUP BLOCK DLAGRAM



NOTE: The elements illustrated above are solely for explaining the adjustment procedure.