

ADJUSTMENT PROCEDURES OF T-9701

1. Transmitter Power Adjustment

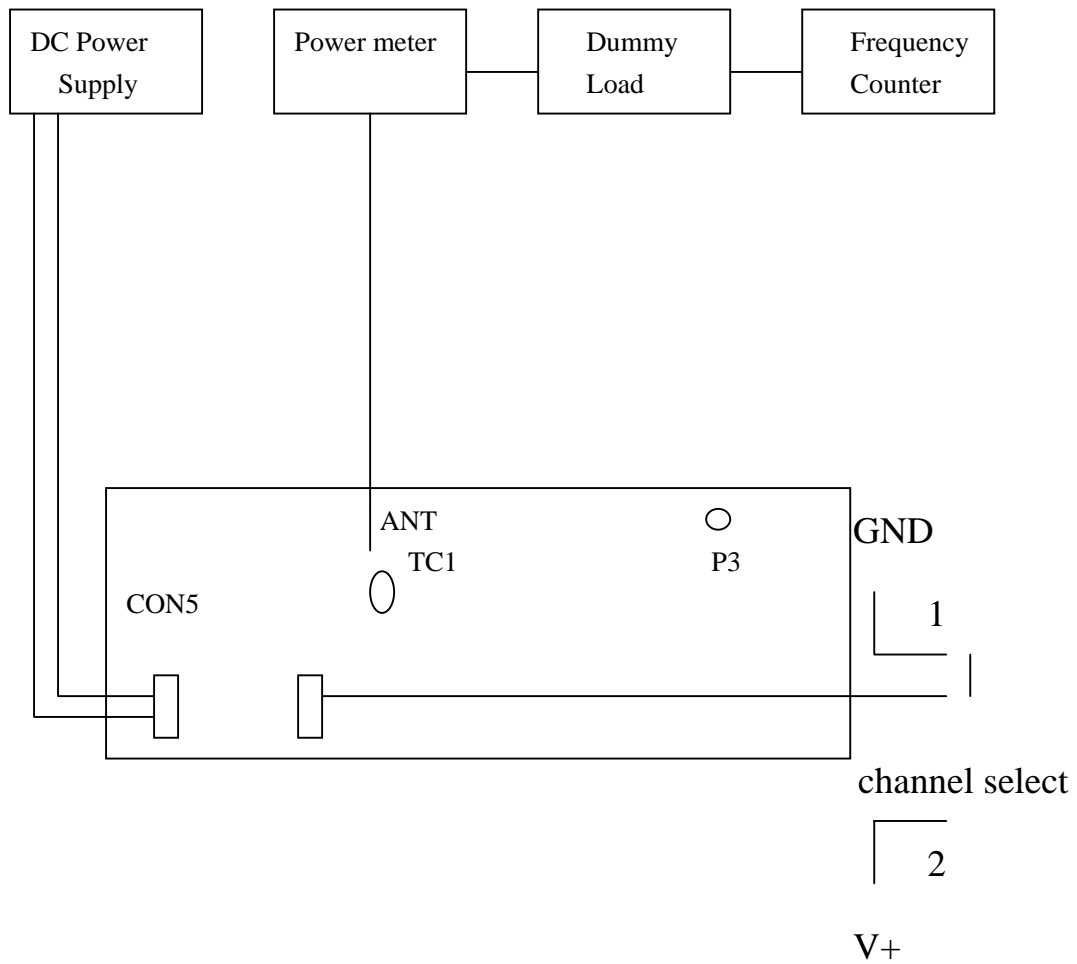
- a). Adjust the DC power supply so that 6.0V is obtained at the battery terminals. Confirm that the power meter, dummy load and output tester are prepared.
- b). Turn the power on and monitor a XT1 element (21.25MHz) into the crystal on the pcb board.
- c). Adjust TC1 in this order so that the power meter reading become maximum.
- d). Repeat procedure c several times. The RF power meter reading should be more than 0.35W when the power is on and at a normal temperature. Then check the current meter reading should be less than 350mA.

2. Transmission Deviation Adjustment

- a). Set up the unit for the transmission mode.
- b). Set the unit to channel 4, then adjust P3 so that the frequency counter reading is -1.0KHz (462.6375MHz)
- c). Repeat procedure a, b so that the maximum deviation is $\pm 2.0\text{KHz}$

Adjustment setup block diagram

ADJUSTMENT SETUP BLOCK DIAGRAM



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