

ADJUSTMENT PROCEDURES

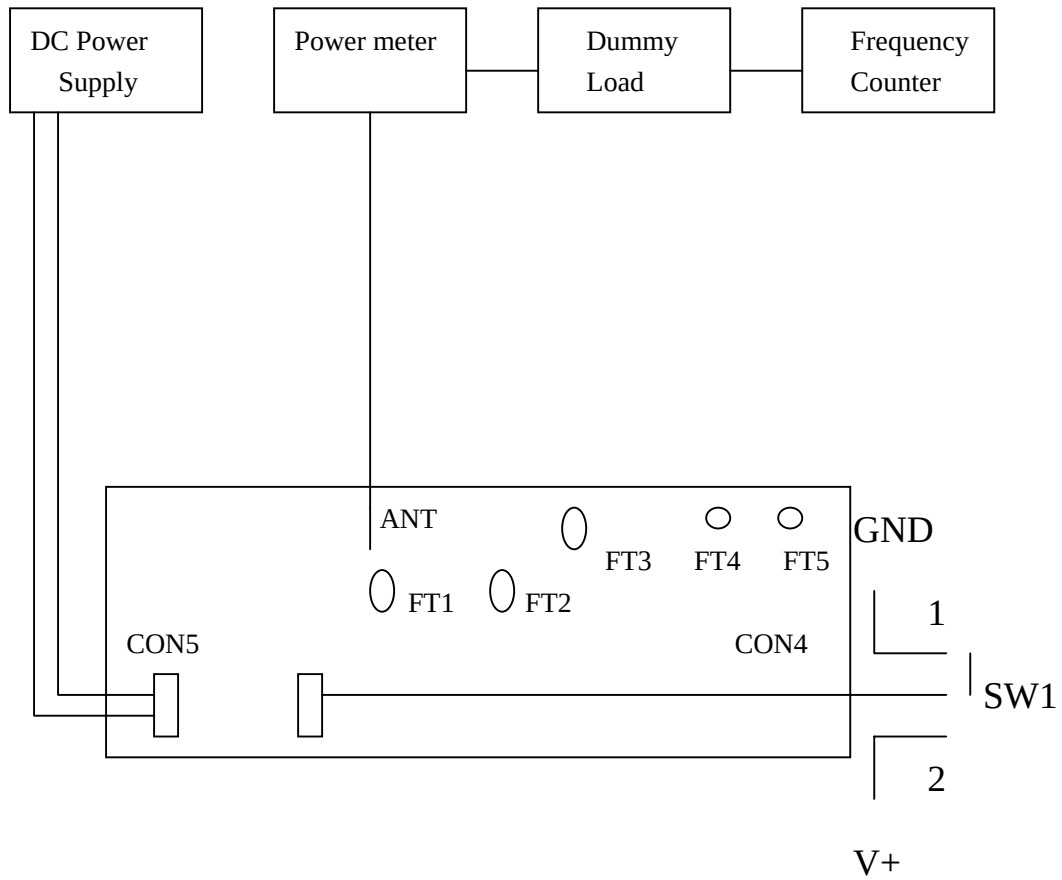
1. Transmitter Power Adjustment

- a). Adjust the DC power supply so that 10.3V 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 (72.85MHz) into the crystal socket.
- c). Adjust FT5, FT4, FT3, FT 2 and FT1 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 0.08W when the power is on and at a normal temperature. Then check the current meter reading should be less than 87mA.

2. Transmission Deviation Adjustment

- a). Set up the unit for the transmission mode.
- b). Set the Switch 1 to position “1”, then adjust VR1 so that the frequency counter reading is -1.2KHz (72.8488MHz)
- c). Set the Switch 1 to position “2”, then adjust VR2 so that the frequency counter reading is $+1.2\text{KHz}$ (72.8512MHz)
- d). Repeat procedure b, c, so that the maximum deviation is $\pm 1.2\text{ KHz}$ Adjustment setup block diagram

ADJUSTMENT SETUP BLOCK DIAGRAM



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