

1. Remove battery cover:
2. Insert 1 pieces of 9 volt to battery terminals.
3. Slide power switch to "on" position while observing led (blink).
4. RF power output adjustment for M-809.
  - (1) please place M-809 at 30 cm from Spectrum Analyzer Antenna and parallel to antenna.
  - (2) Adjust "VC331, VC341, VC342, on the 1PTM7381216 PCB to obtain the power output level of less than 105dBuV.
  - (3) Adjust "VC402" on the 1PTM7381216 PCB to obtain the correct frequency  $\pm 6\text{Khz}$ .
  - (4) Observe current meter and it should be less than 55mA.
5. M-809 AF Adjustment
  - (1) Connect a 1Khz and 150mv audio signal to Min jack pin 3-2 on the 1PTM7381216 pcb. Then adjust VR701 to max.
  - (2) Connect a 1Khz and 150mv audio signal to GT jack pin 3-3 on the 1PTM7381216 PCB. then adjust VR702 to max.
  - (3) Adjust VR703 Until the deviation is  $40\pm 2\text{Khz}$ .
  - (4) Observe MOD scope for an undistorted sin wave.
6. M-809 TONE Adjustment
  - (1) Adjust VR501 until the TONE level is  $5\text{Khz}\pm 1\text{Khz}$ .