

Tuning Procedure for 32-1257

TX Section

1.1 Frequency Accuracy Adjustment

- 1.1.1 Solder the opened end of the BNC cable to “Mic- “ and ground of the board by using the soldering iron. Then connect the BNC terminal to the Spectrum analyzer
- 1.1.2 Turn on the DC power and set the **SW2 (Off/Standby/Talk)** to **Standby** mode
- 1.1.3 Set the Spectrum Analyzer to:
 - Desired Frequency :F0 (169.505MHz, 170.245MHz or 171.905MHz)
 - Span : 50KHz
 - BW: 1KHz
- 1.1.4 Adjust **L2** until the carrier Frequency is within our desired.

1.2 Mike Sensitivity Tuning

- 1.2.1 Solder the opened end of the BNC cable to “Mic- “ and ground of the board by using the soldering iron. Then connect the BNC terminal to the Tester HP8920
- 1.2.2 Turn on the DC power and set the **SW2 (Off/Standby/Talk)** to **Talk** mode
- 1.2.3 Set the AF level to 2mV
- 1.2.4 Set the Tester HP8920 to following settings:
 - TX mode
 - Filter: 300Hz—3000Hz
 - Emphasis: On
- 1.2.5 Adjust the VR2 until 7KHz deviation is read .