

TUNE-UP PROCEDURE

1. TRANSMITTING.

1.1 FREQUENCY ADJUSTMENT

- a) Connect the frequency counter to the pot F1.
- b) Replace the crystal Y1 for the operating frequency.
- c) Adjust L9.
- d) Specification: Tx Frequency $\pm 0.005\%$

1.2 TX POWER CHECK.

- a) Connect the RF power meter to the pot F1.(RF impedance 50 ohm).
- b) Switch on the transmitter.
- c) Check the Tx power.
- d) Specification: 12dBm ± 1 dBm

1.3 MAX. DEVIATION ADJUSTMENT.

- a) Connect the deviation meter to the pot F1.
- b) Apply the audio signal 400Hz,30mV to the MIC point.
- c) Adjust VR1.
- d) Specification: 20KHz, Dev. ± 2 KHz.

1.4 Generate the 32.768KHz signal through the Q2,Q1,Y2 and output to Audio.

2. RECEIVING

2.1 RX FREQUENCY CHECK.

- a) Connect the spectrum analyzer to C92.
- b) Adjust T5,T6.
- c) Check the level,and make it to maximum.

2.2 SENSITIVITY CHECK.

- a) Connect sinnader meter to the R91.
- b) Connect DC voltmeter to R96.
- c) Reduce the RF output level of signal generator below -105 dBm.
- d) Adjust L9,C51,L8,L4,C66 make the DC level
To maximum, and get 12dB of the Sinnader.