

TUNE-UP PROCEDURE

NO. 11

1. TRANSMITTING

1.1 Frequency Adjustment

- a) Connect the frequency counter to the L32
- b) Replace the crystal Y2 for the operating frequency.
- c) Adjust T1
- d) Specification : Tx Frequency $\pm 0.803\%$

1.2 TX POWER CHECK

- a) Connect the RF power meter to the L32.
- b) Switch on the transmitter.
- c) Check the TX power.
- d) Specification: 24dbm ± 1 dbm

1.3 MAX DEVIATION ADJUSTMENT

- a) Connect the deviation meter to the L32
- b) Switch on the TX
- c) Adjust R17
- d) Specification : 3KHz, Dev. ± 2 KHz

2. RECEIVING

2.1 RX FREQUENCY CHECK

- a) Connect the RF Signal Generator to L3
- b) Adjust B1
- c) Check the level and make into maximum

2.2 Sensitivity Check

- a) Connect sinnader meter to the L32
- b) Connect DC voltmeter to R17
- c) Reduce the RF output level of signal generator below -105dbm
- d) Adjust B1, make into DC level into maximum, and get 12 db of the sinnader.