

ALIGNMENT PROCEDURE

1. VCO LOCKING VOLTAGE

- SET UNIT CHANNEL 1 RECEIVE MODE
- CHECK VOLTAGE AT *R20, C504, R608*
- ADJUST *L4* FOR VOLTAGE TO BE OBTAINED 1.8Vdc.

2. TX POWER

- SET UNIT CHANNEL 20
- NO MODULATION
- ADJUST *L5A, L6, L801* FOR MAXIMUM

3. TX FREQUENCY

- SET UNIT CHANNEL 20 TRANSMIT MODE
- NO MODULATION
- MEASURE FREQUENCY
- ADJUST *CT1* UNTIL FREQUENCY TO BE EQUAL 27.205MHZ

4. TX AM MODULATION

- SET UNIT CHANNEL 20
- TX WITH MODULATION
- MEASURE % MODULATION
- ADJUST *R12* FOR MODULATION OBTAIN 95%

5. RX SENSITIVITY

- SET UNIT CHANNEL 19 VOLUME MAX SQUELCH MIN
- SET SIGNAL GENERATOR FREQUENCY 27.185MHZ MOD AM 30% AMPITUDE LEVEL 1UV
- MEASURE SENSITIVITY
- ADJUST *L1A, L102, L104, L2, L3* FOR MAXIMUM SENSITIVITY

6. SQUELCH

- SET UNIT CHANNEL 19 TO VOLUME AND SQUELCH MAX
- SET SIGNAL GENERATOR FREQUENCY 27.185MHZ MOD AM 30% AMPITUDE LEVEL 1000 UV
- ADJUST *R11* UNTIL APPEAR SIGNAL ON