

ALIGNMENT PROCEDURE

1. VCO LOCKING VOLTAGE

- SET UNIT CHANNEL 40 TRANSMIT MODE
- CHECK VOLTAGE AT *R20, C504, R608*
- ADJUST *L4* FOR VOLTAGE TO BE OBTAINED 2.0Vdc.

2. TX POWER

- SET UNIT CHANNEL 20
- NO MODULATION
- ADJUST *L5, 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 *RV2* FOR MODULATION OBTAIN 95%

5. TX SIGNAL METER

- SET UNIT CHANNEL 20
- TX NO MODULATION
- SEE SIGNAL METER BAR
- ADJUST *RV4* UNTIL S-METER TO BE EQUAL TO 4.0W

6. 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 *L1, L102, L104, L2, L3* FOR MAXIMUM SENSITIVITY

7. SQUELCH

- SET UNIT CHANNEL 19 TO VOLUME AND SQUELCH MAX
- SET SIGNAL GENERATOR FREQUENCY 27.185MHZ MOD AM 30% AMPITUDE LEVEL 1000 UV
- ADJUST *RV1* UNTIL APPEAR SIGNAL ON

8. RX SIGNAL METER

- SET UNIT CHANNEL 19
- SET SIGNAL GENERATOR FREQUENCY 27.185MHZ NO MODULATION AMPITUDE LEVEL 100UV
- SEE SIGNAL METER BAR
- ADJUST *RV3* UNTIL S-METER TO BE EQUAL TO S-9