

ALIGNMENT PROCEDURE

1.VCO LOCKING VOLTAGE

- SET UNIT CHANNEL 1 CB, CHANNEL 01 WX ON RECEIVER MODE
- CHECK VOLTAGE AT PIN C Q601 OR PIN C Q602
- ADJUST L601 FOR CB AND L201 FOR WX UNTIL VOLTAGE TO BE OBTAIN 2.0Vdc.

2.TX POWER

- SET UNIT CHANNEL 20
- NO MODULATION
- ADJUST L701,L702,L703 FOR MAXIMUM
- ADJUST RV901 UNTIL TX POWER TO BE EQUAL 3.8WATT

3.TX FREQUENCY

- SET UNIT CHANNEL 20 TRANSMIT MODE
- NO MODULATION
- MEASURE FREQUENCY
- ADJUST CT1A UNTIL FREQUENCY TO BE EQUAL 27.205MHZ

4.TX AM MODULATION

- SET UNIT CHANNEL 20
- TX WITH MODULATION
- MEASURE % MODULATION
- ADJUST RV411 FOR MODULATION OBTAIN 80%

5.TX SIGNAL METER

- SET UNIT CHANNEL 20
- TX NO MODULATION
- SEE SIGNAL METER BAR
- ADJUST RV501 UNTIL S-METER TO BE EQUAL TO 4.0W

6.RX SENSITIVITY

- SET UNIT CHANNEL 19 FOR CB AND CHANNEL 03 FOR WX VOLUME MAX SQUELCH MI
- SET SIGNAL GENERATOR FREQUENCY 27.185MHZ MOD AM 30% AMPITUDE LEVEL
- SET SIGNAL GENERATOR FREQUENCY 162.475MHZ MOD FM 3.3KHZ AMPITUDE LE
- MEASURE SENSITIVITY
- ADJUST L101,L102,L103 FOR CB AND L204,L205,L5 FOR WX MAXIMUM SENSITIVITY

7.SQUELCH

- SET UNIT CHANNEL 19 VOLUME MAX SQUELCH MAX
- SET SIGNAL GENERATOR FREQUENCY 27.185MHZ MOD AM 30% AMPITUDE LEVEL
- ADJUST RV102 UNTIL APPEAR SIGNAL ON

8.RX SIGNAL METER

- SET UNIT CHANNEL 19
- SET SIGNAL GENERATOR FREQUENCY 27.185MHZ NO MODULATION AMPITUDE L
- SEE SIGNAL METER BAR
- ADJUST RV101 UNTIL S-METER TO BE EQUAL TO S-9

IN
- 1UV CB
EVEL 1UV WX

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- 1000 UV

EVEL 100UV