9) TUNE - UP PROCEDURE FOR TRANSMITTER SECTION :

SET POWER SUPPLY VOLTAGE AT 13.8VOLT DC.

WATTMETER (50 OHM) TO THE ANTENNA CONNECTOR

SET TRANSCEIVER TO CHANNEL 19(27.185MHz)

REFER TO INTERIOR PARTS LOCATION DRAWING IN PARTS LAYOUT SECTION 5 FOR THE FOLLOWING ADJUSTMENTE.

PLL CIRCUIT ALIGNMENT PROCEDURE :

(1) SET TRANSCEIVER TO CHANNEL 1

(2) WHILE IN TRANSMITT MODE, CONNECT OSCILLOSCOPE DC PROBE TO TP1 POINT. (SEE PARTS LOCATION).

(3) ADJUST T7 AND OBSERVE THE DC LEVEL SWING BETWEEN 0 TO +5 VOLT DC. THEN SET THE DC LEVEL TO 2.5VOLT

(4) CHANGE TO RX MODE, CHECK THE DC LEVEL.

NOTE : THE 10.245MHz CRYSTAL OSCILLATOR FREQUENCY MEASURED AT CT1 SHOULD BE ACCURATE WITHIN ±100Hz.

RF AMP CIRCUITS ALIGNMENT PROCEDURE :

(1) DEPRESS MICROPHONE BUTTON AND ADJUST CORES OF T9 AND T10, FOR MAXIMUM ON THE WATTMETER.

(2) CHECK OUTPUT POWER ON ALL CHANNELS. IF NOT EQUAL, READJUST T9 AND T10.

(3) ADJUST T11 FOR READING ON TRANSCEIVER POWER METER EQUAL TO INDICATION ON THE WATTMETER.