

1000XT TUNING PROCEDURE

AZDEN CORPORATION
FCC ID: BZB1000XT
JOB #: 168AU1
EXHIBIT #: 4A

1) VCO ADJUSTMENT

- 1) CH SETTING SHOULD BE CH 000.
- 2) CONNECT VOM METER(VOLTAGE METER) TO THE TP-1.
- 3) ADJUST VC-101 UNTIL DC METER SHOWS 1.0V.
- 4) THEN CHANGE THE CH SETTING TO CH 120 AND CHECK ITS DC METER SHOWS 2.0V AT CH 120.

1) RF OUTPUT ADJUSTMENT

- 1) SET THE CHANNEL AT CH 060. DISCONNECT AN ANTENNA.
- 2) CONNECT THE POWER METER TO CN 3.
- 3) ADJUST VR3 UNTIL POWER METER SHOWS 20mW.
- 4) CONNECT A SPECTRUM ANALYZER TO CN 3.
- 5) CHECK THE SPURIOUS SHOULD BE LESS THAN 50dB FROM THE CARRIER.

2) TRANSMITTE FREQUENCY SETTING

- 1) SET THE CHANNEL AT CH 060.
- 2) CONNECT A FREQUENCY COUNTER TO CN 3.
- 3) ADJUST VC1 UNTIL FREQUENCY COUNTER SHOWS 729.000MHZ $\pm$ 2KHZ.

4) TONE FREQUENCY SETTING

- 1) TURN OFF THE AUDIO SWITCH AND CONNECT A LINER DETECTOR TO CN3.
- 2) ADJUST VR2 UNTIL THE DEVIATION BECOMES 2KH $\pm$ 0.5KHZ

5) AF DEVIATION ADJUSTMENT

- 1) TURN OFF THE PHOTOM POWER SWITCH AND CONNECT THE OUTPUT OF OSCILLATOR TO THE MIKE TERMINAL.
- 2) SET THE OUTPUT OF OSCILLATOR AT -20dBs(FREQUENCY AT 1KHZ)
- 3) TURN ON THE AUDIO SWITCH
- 4) ADJUST VR1 UNTIL DEVIATION BECOME 50kHz $\pm$ 0.5kHz. MAKE SURE THAT ALL OF AF LEVEL METER LCD SEGMENTS(5PCS) ARE SHOWN.
- 5) REMOVE THE OSCILLATOR AND MAKE SURE ONE SINGLE LCD SEGMENT OF AF LEVEL METER WILL SHOWN. THEN TURN OFF THE AUDIO SWITCH AND MAKE SURE NONE OF AF LEVEL METER SEGMENTS WILL BE SHOWN.

6) DISPLAY

- 1) MAKE SURE LOW BATTERY INDICATOR SHOWS THREE(3)LCD SEGMENTS IN THE DISPLAY AT 9.0V.
- 2) MAKE SURE LOW BATTERY INDICATOR SHOWS TWO(2) SEGMENTS IN THE DISPLAY AT VOLTAGE LESS THAN 6.2V.
- 3) PRESS THE MODE BUTTON AND CHANGE TO THE TIME DISPLAY. THEN HOLD PRESSING "UP" SWITCH MORE THAN 2 SECONDS TO BECOME "0" INDICATION.

AZDEN CORPORATION

FCC ID: BZB1000XT

JOB #: 168AU1

EXHIBIT #: 4B