

## 1000BT TUNING PROCEDURE

### 1) VCO ADJUSTMENT

- 1) SET A FREQUENCY AT CH 000.
- 2) CONNECT DC METER TO TP1
- 3) ADJSUT VC 101( TRIMMER FOR VCO) UNTIL DC METER SHOWS AT 1.0V
- 4) SET A FREQUENCY AT CH 120 AND THEN MAKE SURE DC METER SHOWS AT 2.0V.

### 2) RF OUTPUT ADJUSTMENT

- 1) SET A FREQUENCY AT CH 060. DISCONNECT AN ANTENNA.
- 2) CONNECT POWER METER TO JK2.
- 3) ADJSUT VR3 UNTIL POWER SHOWS AT 20mW.
- 4) CONNECT A SPECTRUM ANALAZER TO JK2
- 5) MAKE SURE THE SPURIOUS SHOULD BE LESS THAN 50dB LESS THAN CARRIER.

### 3) TX FREQUENCY ADJUSTMENT

- 1) SET A FEQUENCY. AT CH 060
- 2) CONNECT A FEQUENCY COUNTER TO JK2
- 3) ADUST VC1 UNTIL FREQUENCY COUNTER SHOW AT 729.000MHZ  $\pm$  2KHZ

### 4) TONE DEVEIATION ADJUSTMENT

- 1) TUNR OFF AUDIO SWITCH AND THEN CONNECT A LINER DECTOR TO JK2.
- 2) ADUST VR2 UNTIL THE DEVIATION BECOME 2.0KHZ  $\pm$  0.2KHZ

### 5) AF DEVIATION ADJUSTMENT

- 1) CONNECT AN OSCILLATOR OUTPUT TO MIC TERMINAL.  
( SHOULD USE 10uF/16V CAPACITOR BETWEEN THEM AND "+" SIDE SHOULD BE CONNECTED TO MIC TERMINAL)
- 2) SET THE OUTPUT OF OSCILLATOR AT -22dBs (WITH 1.0KHZ TONE)
- 3) TURN OF AUDIO SWITCH
- 4) ADJSUT VR1 UNTIL DEVIATION BECOME AT 50KHZ  $\pm$  0.5KHZ. MAKE SURE THAT ALL OF AF LEVEL METER (5PCS SMALL SQURE).IS SHOWN.
- 5) REMOVE THE OSCILLATOR AND MAKE SURE ONE SINGLE AF LEVEL METER WILL BE SHOWN ON DISPLAY. THEN TURN OFF AUDIO SWTICH AND MAKE SURE THAT NONE OF AF LEVEL METER IS SHOWN.

6) DISPLAY

- 1) MAKE SURE THE LOW BATTERY INDICATOR SHOWS THREE LCD SEGMENTS AT 9.0V POWER SUPPLY.
- 2) AT LESS THAN 6.2V POWER SUPPLY, IT SHOWS ONE SINGLE LCD SEGMENT.
- 3) PRESS THE MODE BUTTON AND CHANGE TO "TIME" DISPLAY. THEN HOLD PRESSING "UP" SWITCH MORE THAN 2 SECONDS TO SHOW "0" ON LCD DISPLAY.

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