

## **Tune Procedure**

### **1) TX VCO ADJUSTMENT**

- a. connect the DC voltmeter at TP103
- b. press and hold PTT button
- c. adjust L113 to 1.0VDC +/-0.2V at CH1

### **2) FREQUENCY ADJUSTMENT**

- a. connect the frequency counter meter to TP101
- b. adjust C159 to TX frequency +/-200Hz

### **3) TX POWER CHECK**

- a. press and hold PTT button
- b. check the TX power < 0.23 W at CH14; < 0.23 W at CH15 (ERP)

### **4) DEVIATION LIMITING AND MIC SENSITIVITY**

- a. connect the deviation meter to TP101
- b. apply audio signal 1KHz 25mVrms to TP116
- c. press and hold PTT button
- d. adjust VR101 to 2.2KHz DEV +/-0.2KHz
- e. check mic sensitivity between 1mVrms and 10mVrms at 1.5KHz DEV

Power Supply: Min 3.5V, Normal 4.2V, Max 4.5V

- TO PRESS AND HOLD THE PTT BUTTON FOR TX MODE TESTING
- TO PRESS AND HOLD MENU AND +, THEN POWER UP FOR RADIO TEST MODE
- THE RADIO CAN TRANSMITTING WITHOUT TIMEOUT UNDER TEST MODE