

## **. Tune up Procedure**

- RX RF

PLL LOCK-IN VOLTAGE ALIGNMENT

Check a TP7 with Scope probe or Voltage meter, set 1.5V by tuning VC2.

LOCAL FREQUENCY ALIGNMENT

Check a Q1's base pin with spectrum measuring probe, align local frequency by tuning VC3.

- TX RF (in Test Mode)

PLL LOCK-IN VOLTAGE ALIGNMENT

Check a TP3 with Scope probe or Voltage meter, set 2.5V by tuning VC2.

TX FREQUENCY ALIGNMENT

Check output signal's frequency, align TX signal's frequency by tuning VC1.

MODULATION RATE ALIGNMENT

Check output signal's modulation rate, align TX signal's modulation rate to 9KHz by tuning VR2.

## **. Electrical specification**

### **MAIN TX Module**

1. Output Power : 100 mW Max
2. Frequency Stability : 1.5 ppm / Year
3. Frequency Stability VS Temperature : 2.5 ppm ( -10 ~ +50 oC )
4. Modulation Characteristics : Fo to +/- 4.5KHz
5. Spurious Emissions at Antenna Terminals :

### **MAIN RX Module**

1. Sensitivity : -105 dbm
2. Adjacent-Channel Interference : 50 dB
3. Spurious rejection : 50 dB
4. Image rejection : 50 dB