

Alignment procedure:

1) RX Sensitivity

- a) Connector the RF signal generator and SINAD meter to the unit
- b) Power up the unit
- c) Set the unit to CH1
- d) Set the RF signal generator to 462.5625MHz
- e) Set the frequency deviation is 1.5KHz, audio modulation is 1 KHz
- f) Decrease the level of RF signal to read SINAD is 12dB
- g) Record the reading

2) TX VCO tuning

- a) Set the unit to CH1
- b) Press PTT key to set the unit in TX mode
- c) Monitor the voltage of TP1
- d) Adjust VC2 to read 1V

3) TX frequency

- a) Set the unit to CH1
- b) Press PTT key to set the unit in TX mode
- c) Adjust VC1 until frequency counter reading is 462.5625MHz +/- 100Hz

4) TX MIC sensitivity

- a) Set the unit to CH1
- b) Press PTT key to set the unit in TX mode
- c) Set the MIC audio input is 10mV (1KHz)
- d) Adjust VR1 to read the frequency deviation is 1.5KHz