

Alignment Procedure

1.) VCO Adjustment

a.) Set unit into test mode

b.) Adjust L5

Limit : 1.75V dc +/- 0.25V at channel 8

2.) Frequency Adjustment

a.) Set unit into test mode

b.) Connect unit to Frequency Counter via a cable at antenna port

c.) Press " CH " button

d.) Adjust VC1

Limit : Tx Channel Frequency +/- 200Hz

3.) Tx Power Check

a.) Connect the RF level meter to antenna port (RF level meter impedance : 50 Ohm)

b.) Press PTT button

c.) Check TX power

Limit : < 250mW ERP

4.) Rx Sensitivity

a.) Connect DUT under test mode to RF Test Set

b.) Set unit to Ch8 RF frequency, 1KHz audio, 1KHz deviation at -60 dBm, CCITT on

c.) Adjust IFt1 until best SINAD is achieved

d.) Check min. rf in level

Limit : -110dBm at 20dB SINAD (CCITT on)

5.) Modulation Sensitivity Check

a.) Set unit into test mode

b.) Connect the deviation meter to ANT point

c.) Apply the audio signal 1KHz 5mVrms to Mic input (Thru Mic jack)

d.) Press " CH " button and Check deviation meter

Limit: 0.8KHz Dev. +/-0.15KHz