

Alignment Procedure

Model: Li- 5600

1. VCO and TX

Set unit: CH1 8.4 V DC supply 50 Ohm Dummy

- 1) PLL VCO Align:** ~ Read DC voltage at VCO Test Point (TP4) and align
1.0 ± -0.2V with L18
~ Press PTT and check TX VCO voltage
~ Change Channel to CH14 and read VCO voltage
~ Press PTT and check TX VCO voltage
- 2) TX Freq. Align:** ~ Press PTT at CH1 and read Frequency with Frequency counter
~ Align 462.5625MHz ± 50Hz with C85 10pF trimmer
- 3) TX Mod. Align:** ~ Set CH1 100mV 1KHz Mic Input
~ Press PTT and align max modulation ± 2.0 ± 0.1 KHz with VR1
100K Ohm Semi
- 4) CTCSS/DCS Align:** ~ Set CH1 DCS 01
~ Press PTT and read CTCSS modulation level
~ Change CTCSS 38 and read modulation level
~ Change DCS 01 and read modulation level
~ Change DCS 83 and read modulation level
- 5) Check TX Power Output:** ~ Set CH1 Power High
~ Press PTT and read TX Power output
~ Change Channel 8 to Power Low and read TX Power output

2. RX

Set unit : CH1 8.4V DC supply 16 Ohm Load

- 1) RX Audio Distortion:** ~ Set CH1, SSG 1mV, Audio level 5 (about 650mV)
~ Read Distortion
- 2) RX Sensitivity:** ~ Reduce SSG level
- 3) Squelch Align:** ~ Set to 10dB Sinad with SSG level align
~ Align squelch with VR2 100K Semi