

# STALKER 9 DX & FDX

## PLL & CARRIER OSCILLATOR ALIGNMENT

### 1. Test Equipment Required

- a) Oscilloscope (100 MHz).
- b) DC Power Supply (13.8v, 3 Amps).
- c) DC Voltmeter (DVM).
- d) Frequency Counter (100 MHz).

### 2. Alignment Procedure

STEP	PRESET TO	ADJUSTMENT	REMARKS
1	Channel :40 Band : LOW Mode : RX Clarifier: Centre	L16	Connect Oscilloscope to TP4 (Lead of R112). Adjust L16 for maximum indication on the oscilloscope.
2	Same as above Except Band: HI	L17	Connect DC Voltmeter to TP2 (lead or R117). Adjust L17 to obtain 5.5 volts and confirm that you have 2 volts on LOW Band channel 1.
3	Same as step 1	L18	Connect Oscilloscope to TP3 (lead of R81). Adjust L18 for maximum indication on the oscilloscope.
4	Same as step 1	L20	Connect Frequency Counter to TP3 (lead of R81). Adjust L20 for 16.7100 MHz.
5	Same as step 1 Except Mode: USB	L21	Connect Frequency Counter to TP3 (lead of R81). Adjust L21 for 16.7125 MHz.
6	Same as step 1 Except Mode: LSB	L22	Connect Frequency Counter to TP3 (lead of R81). Adjust L22 for 16.7075 MHz.
7	Same as step 1 Except Mode: LSB, TX	VR6	Connect Frequency Counter to TP3 (lead of R81). Adjust VR6 for 16.7075 MHz.
8	Same as step 5	L24	Connect Frequency Counter to TP5 (lead of R53). Adjust L24 for 10.69250 MHz.
9	Same as step 6	L25	Connect Frequency Counter to TP5 (lead of R53). Adjust L25 for 10.69750 MHz.
10	Same as step 1 Except Mode: AM, TX	L23	Connect Frequency Counter to TP5 (lead of R53). Adjust L23 for 10.6950 MHz.

### 3. Test Equipment Connection

