

MIDLAND 76-900 UK

PSU & VCO ALIGNMENT =====

1. Test Equipment Required

- a) Oscilloscope (100 MHz).
- b) DC Voltmeter (DVM).
- c) Frequency Counter (100 MHz).

2. Alignment Procedure

STEP	PRESET TO	ADJUSTMENT	REMARKS
1	Channel :20 Mode : TX	RV1	Connect DC Voltmeter to the PSU (PTPW005COX) output Pins 3 and Ground. Adjust RV1 for 13.2 Volts $\pm 1\%$ Volt on Voltmeter.
2	Same as step 1 Except Delta-Tune: 0	CT2	Connect the Frequency Counter to the Base of Q10 (lead of R33). Adjust CT2 for 10.24046 MHz ± 50 Hz.
3	Channel: 40 Mode: RX	T1 and CT1	Connect DC Voltmeter between TP1 and Ground (lead of R4 and R11). Adjust T1 for a voltage reading of 4.0 VDC ± 0.1 , now Mode: TX and adjust CT1 for a voltage reading of 4.0 VDC ± 0.1 . Select channel 1 Mode: RX and check for a voltage reading of 1.8 VDC to 2.5 VDC.

3. Test Equipment Connection

