

Midland 77-155, (YT-7700, PLL?)

Received this unit to evaluate and tune-up if needed.

S/N: 0019161, out of the box.... 3.4W, 75% modulation at max mike gain.

A major discrepancy was noted immediately.. Schematic says that the PLL chip is YT-7700; but the chip itself is marked C5121...?

If anyone comes up with any information on the chip; forward S.V.P...

Tune-up: TX - LX10, LX11, LX12, LX13, and LX14.

RX - LX1, LX2, LX3, LX4, LX5, LX6, and LX7.

VR1 - Sq Rng, VR2 - Rx Mtr, VR3 - Tx Mtr, VR4 - AMC  
C21 was changed to a 3.3Mfd/50VDC for additional noise limiting.

Rejection was O.K., better than most.

The readout is GREEN, excellent visibility.

Final setup after tune-up was: 4.7W/100% modulation at max mike gain setting.

...Special Notes... C21 is located in front of LX6; is small PINK tantalum capacitor.

R74 and R76 may be lowered in value for additional RF output power-use CAUTION. Test unit did not have these values changed.

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? (Export) ADAMS ?

Received this unit when I ordered an Adams (President) from a distributor who just happened to come across a lot that had been stored in a warehouse. The box was re-labeled; 80 ch; the owner's manual is for regular 40 channel unit.

Regular '858-PLL' Adams with the PA/CB switch modified to Low/High

Band switch.    Low - Regular C.B. Fo's  
                  High - Selector 1-7, is 27.565-27.635MHz  
                                  8-40 .. 27.455-27.805MHz

No clarifier modification to unit. Other than above is still the basic "858 - Adams", a great catch if you find one!