



12/13/02

To: Charlie Miller
From: Mark Tucker
Re: work instructions for SNAP1400 hand-modifications

The following is a list of all internal modifications needed to bring the SNAP1400 into compliance with FCC emission limits.

Change R32 to 330 ohm.

Add a 0.01 uF to the VCC pin of Y1.

Add a 330 ohm resistor in series with output of Y1.

Add a shunt 56 pF capacitor to ground at "cold" side of the 330 ohm resistor in series with Y1.

Insert series Z-Beads in line with pins numbers 4, 5 and 7 of JP6. Part number of bead is ETC1608-221.

Add 0.01 uF cap between pins 7 and 8 of JP6.

Add 0.01 uF cap between pins 7 and 8 of JP5.

Change R64 to 330 ohms.

Add a 0.01 uF to ground from pin 14 of U4.

Add a 0.01 uF to ground from pin 14 of U7.

Add a termination consisting of two 50 ohm resistors and one 0.01 uF capacitor to pins 15 and 16 of U4.

Add a termination consisting of two 50 ohm resistors and one 0.01 uF capacitor to pins 15 and 16 of U7.

(See also Todd Lafon's hand-drawn diagrams indicating mechanical placement of above modifications.)