

This page describes a method of adding more channels to the Uniden Madison (PC-411)

The radios essentially use the same PCB that is why this mod is almost identical for the sets; there are only a couple of minor differences between them.

The sets are assumed to be on the FCC band but this mod can be applied to sets with a different country frequency such as NZ etc. The set will just be 64 channels above its normal range.

How about adding another band of channels in just 10 minutes!

This will disable the channel 9 function but I'm sure that you want care about that!

Just remove D28, D29, D30, then on the Grant remove the yellow wire (the one that goes to the channel display) from the junction of these diodes and ground it!

Then add a jump wire between pin 10 of the PLL and the junction that the display wire was just removed from.

Retune if needed

With the channel 9 button in you will be 64 channels above the normal ones!

Channel 1 will be at 27.605 MHz through to channel 40 at 28.045 MHz!

Mod. Boosts

This section describes various methods of boosting the modulation level on the Madison

None of the sets that I have come across have ever had more than 80% mod !

For both the Grant and the Madison adding resistance to the collector of TR24 (the middle leg) will give a very good increase, 800 Ohms does a very nice job !