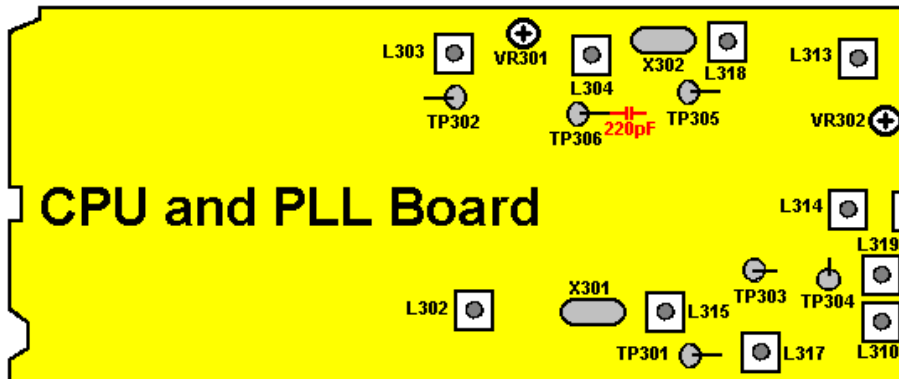


President HR-2600 frequency range modification

The CPU in this model is not modifiable for CB use, but it can be fooled to by replacing a XTAL and adjusting the VCO.

To lower the range from 28.000-29.699 to 26.000-27.699 MHz, just replace X302 with a 20.000 MHz XTAL.



The display will still show the 10 m band i.e. 28.000 but the actual frequency is now 2 MHz lower, i.e. 26.000. This display offset may be a bit inconvenient, but is impossible to remedy unless the CPU is replaced by an unlocked and more frequency agile CPU.

The HR-2600 VCO filter is optimized for the 10 m band and must be adjusted to accommodate the lower frequency range. To broadband the VCO, it's also necessary to add a 220 pF capacitor across C26 on the CPU/PLL board.

VCO adjustment

Connect an oscilloscope to the output terminal of the VCO.

Adjust L310 for maximum at high band

Adjust L319 for maximum at low band

NB!

An unlocked CPU may be salvaged from a trashed Lincoln or similar. A great alternative was the "Chipswitch", but that CPU replacement is no longer being manufactured.