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To: VSRT Group
From: Alan E.E. Rogers
Subject: LNB local oscillator frequency adjustment

It is possible to adjust the local oscillator frequency of the LNB. This might be useful for some special applications. To access the circuit board the back plastic has to be removed and then the thin metal cover plate needs to be removed. This plate is fastened (in the WNC unit) by a screw in the middle and copious amounts of an RTV like substance. The photo shows the PC board with the covers removed. A high frequency spectrum analyzer or some other method of sensing the frequency is required. If an adjustment of only a few kHz is needed it should be possible to adjust a unit while looking at the best frequency in the interferometric comparison of 2 LNBs. A good clear beat can be seen by putting the active feed right up against the active feed of the other LNB. For small adjustments the screw should only be turned by a very small fraction of a turn.

frequency adjustment screw

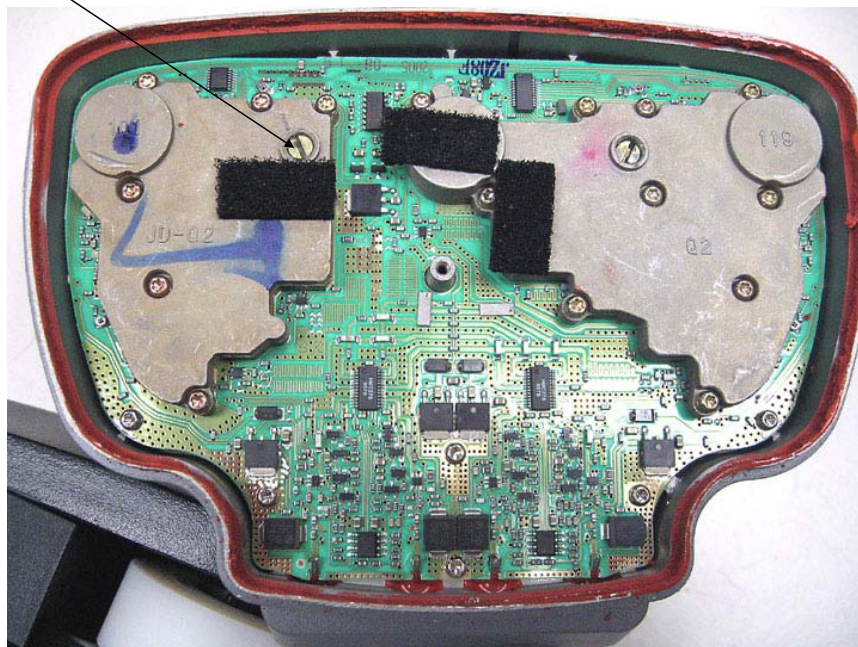


Photo of WNC triple-feed LNB AU2-F1 – with cover removed