The following shows the required disassembly instructions needed to get to the IF tap point to bring the main band IF out to an external receiver.

1. First remove the cases from the IC-910, you will only need access to the bottom of the radio but remove both for easier re-assembly later.

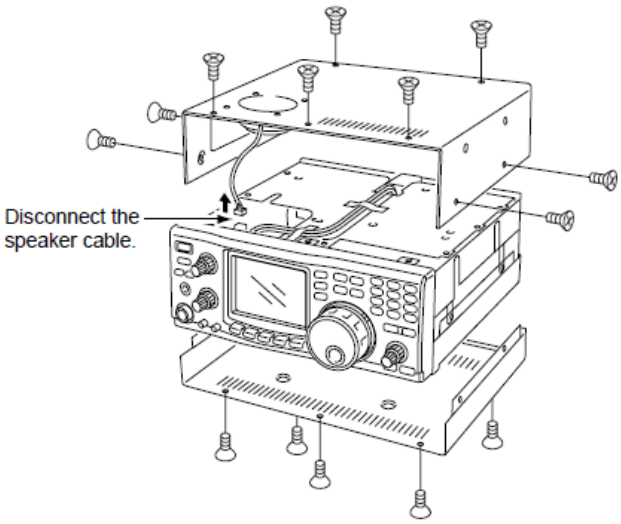
SECTION 3 DISASSEMBLY AND OPTION INSTRUCTIONS

• Opening the transceiver's case

Follow the case and cover opening procedures shown here when you want to install an optional unit or adjust the internal units, etc.

① Remove the 5 screws from the top of the transceiver and 4 screws from the sides, then lift up the top cover.
② Turn the transceiver upside down.
③ Remove 5 screws from the bottom of the transceiver, then lift up the bottom cover.

CAUTION: DISCONNECT the DC power cable from the transceiver before performing any work on the transceiver. Otherwise, there is a danger of electric shock and/or equipment damage.



2. If your radio is fitted with the UX-910 1200MHz band unit then follow these steps.

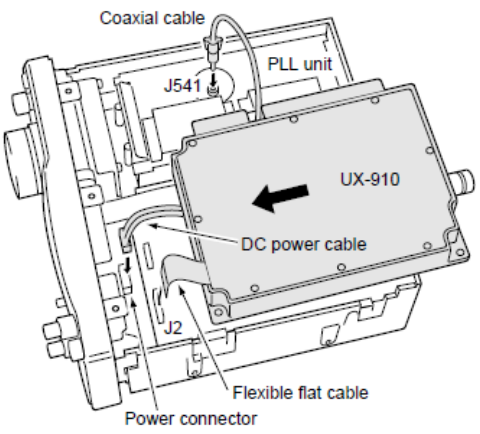
• UX-910 1200MHz BAND UNIT

① Remove the bottom cover as shown above.
② Remove the antenna plate from the chassis using a standard screw driver.

WARNING!
NEVER attempt to remove the antenna plate using your finger, this may result in injury.

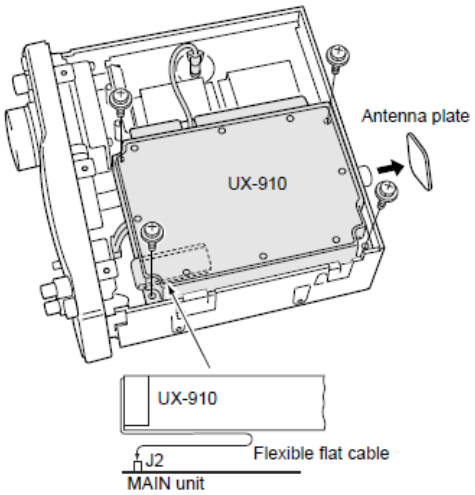
③ Connect the FFC (Flexible Flat Cable) of the UX-910 to J2 on the MAIN unit, DC power cable to the power connector (W305) from the PA unit and the coaxial cable to J541 on the PLL unit.

CAUTION
NEVER catch the cables from the optional DSP unit(s) between chassis and the UX-910, this may damage the DSP unit(s) and/or transceiver.



④ Place the UX-910 using the supplied 4 screws.

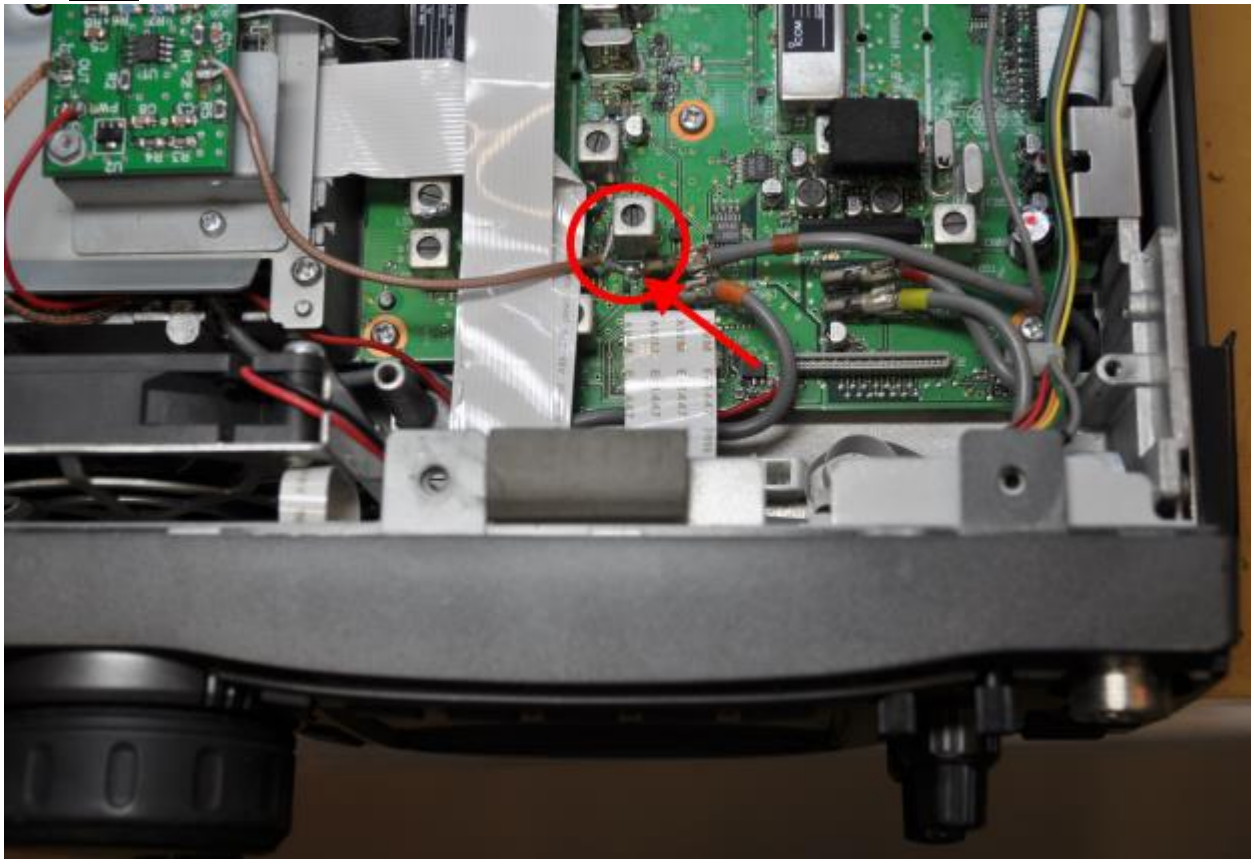
BE CAREFUL not to drop the supplied screws inside the transceiver.

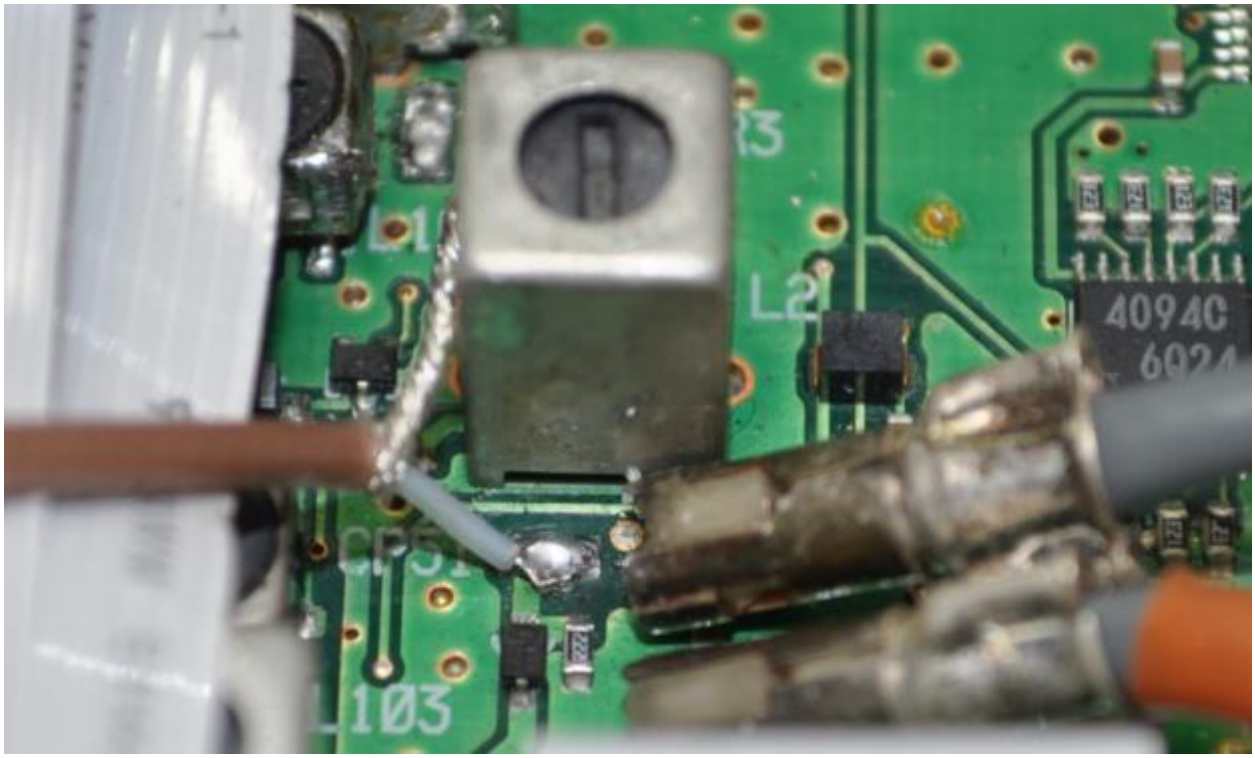


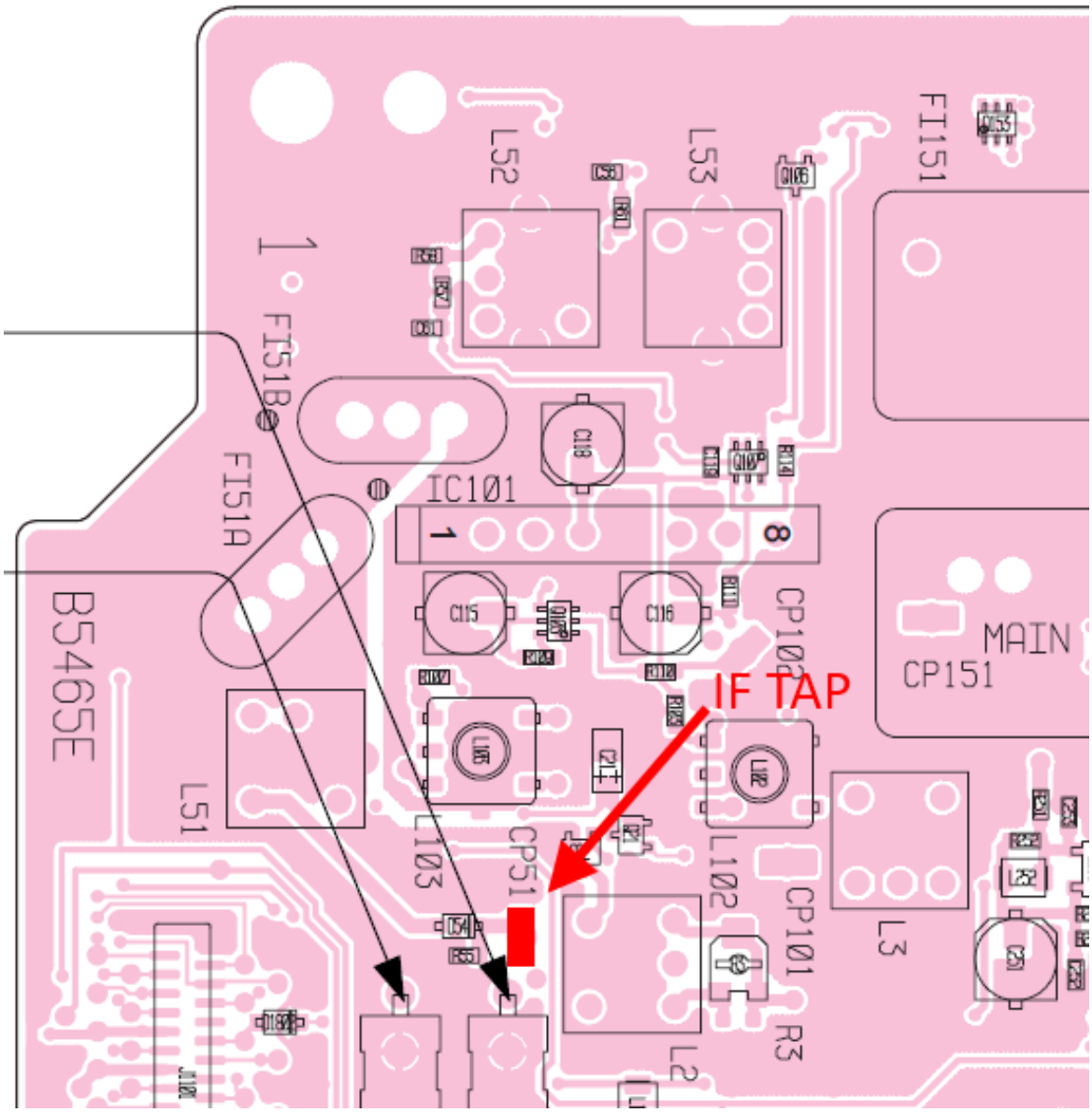
Turn the flexible flat cable up under the UX-910.

⑤ Return the bottom cover to its original position.

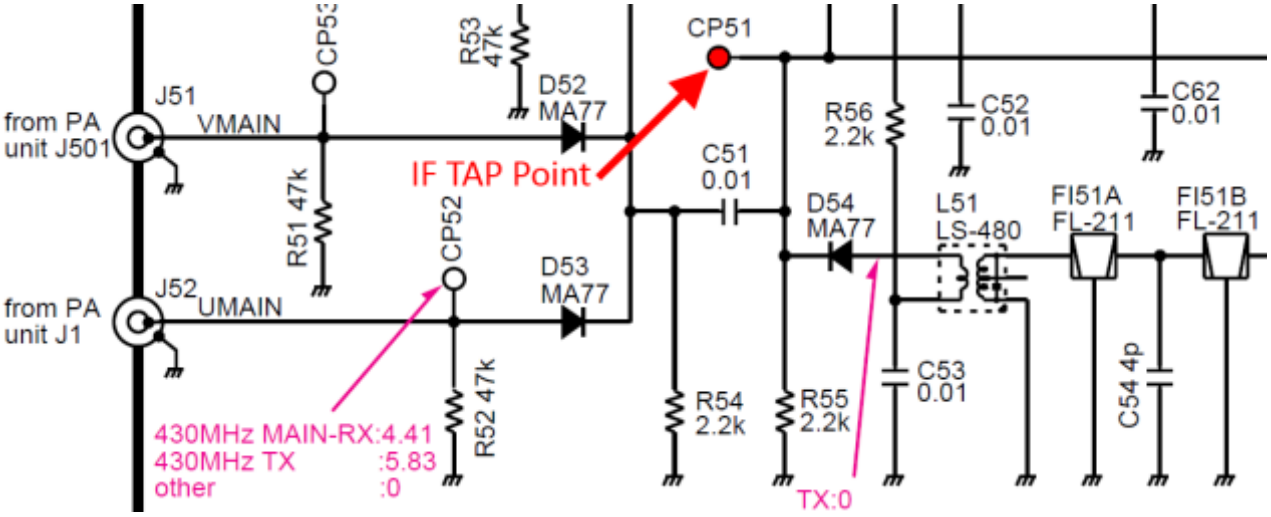
3. The IF TAP point is **CP51** which is on the top side of the main board next to **L2** and **J501**.



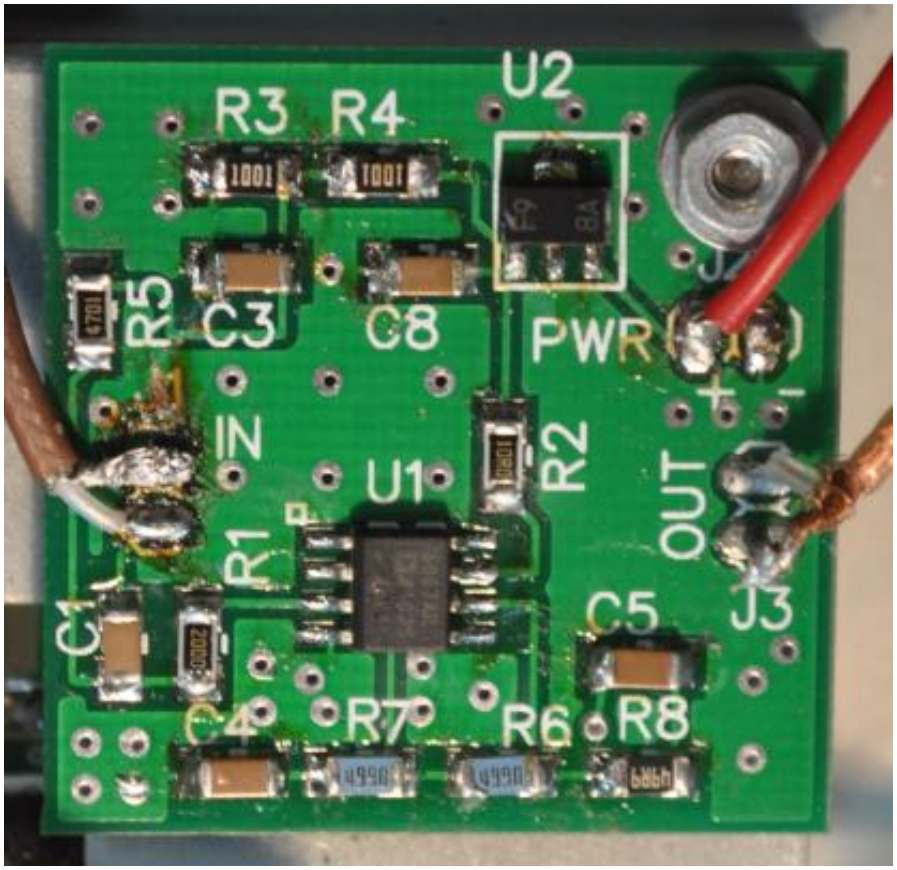




4. The IF TAP is on **CP51** next to **L2** and **J501**. This tap point is before the IF filter so the full IF bandwidth is available.

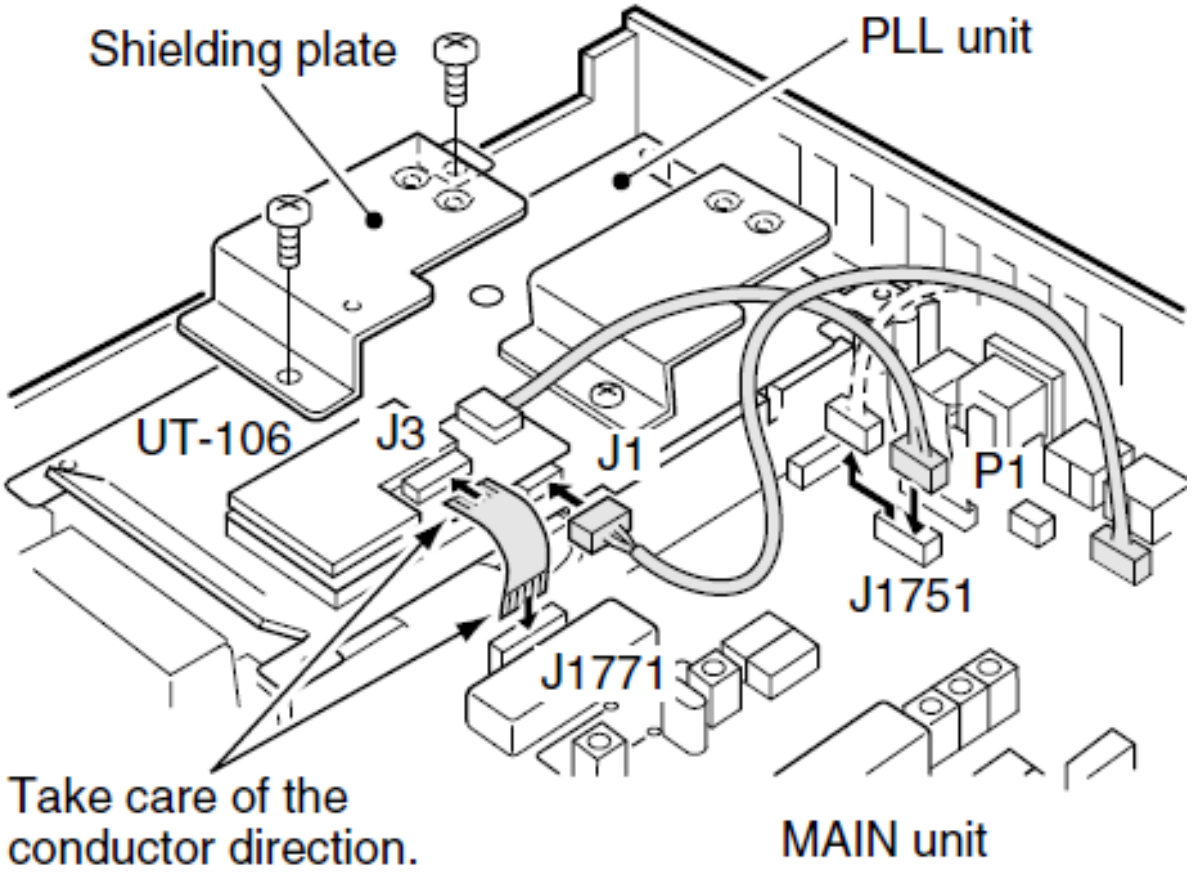


5. The IF TAP is then fed into a **Clifton Labs Z10000** IF Buffer Amp
   http://www.cliftonlaboratories.com/z10000_buffer_amp.htm

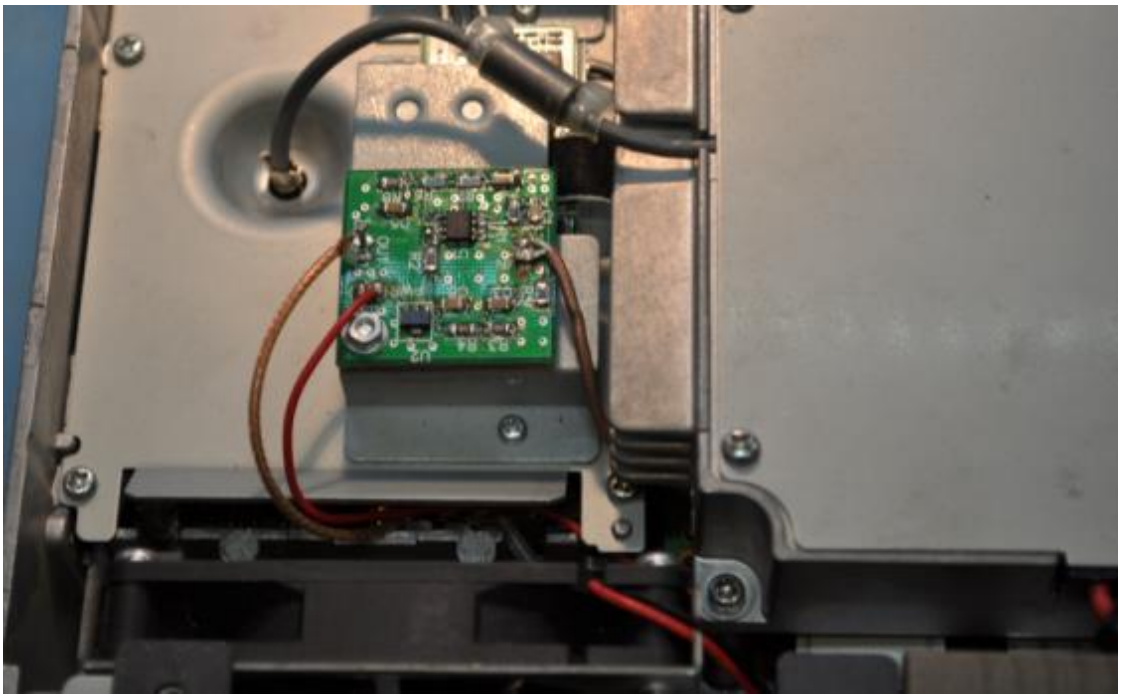


The connection marked IN connects to CP51. The connection marked OUT goes to the Phono connection on the rear.

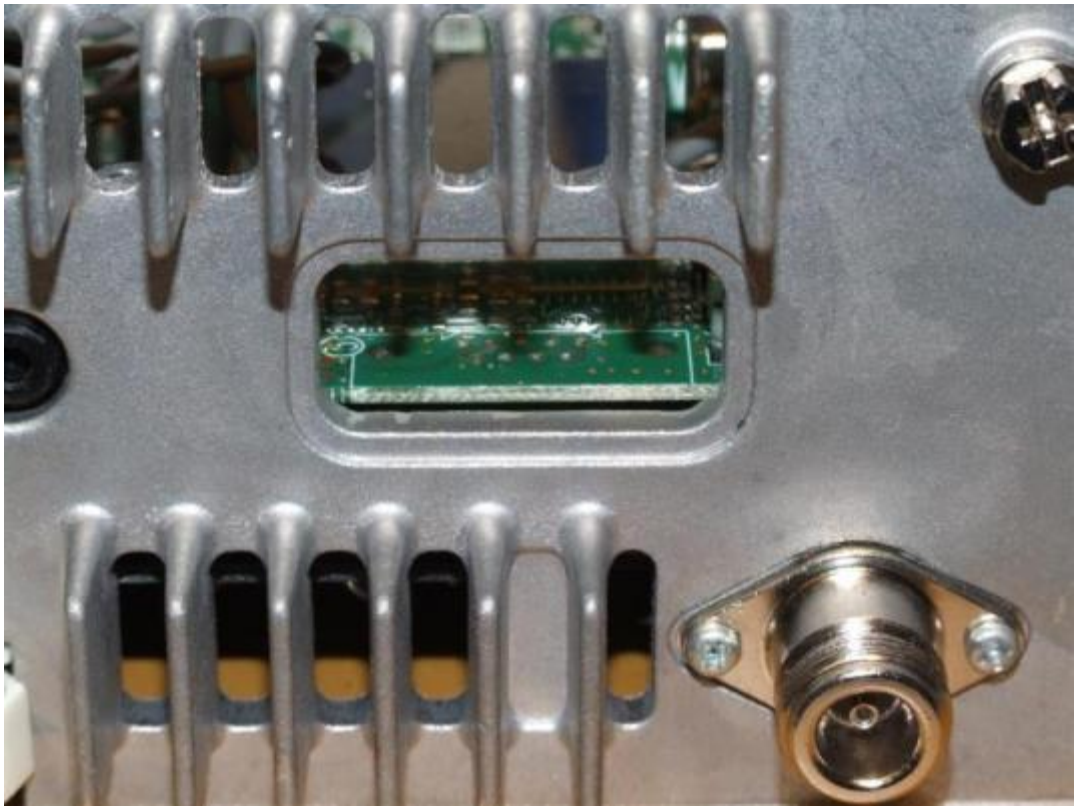
6. The Clifton Amp is mounted above the UT-106 module on the Shielding Plate.



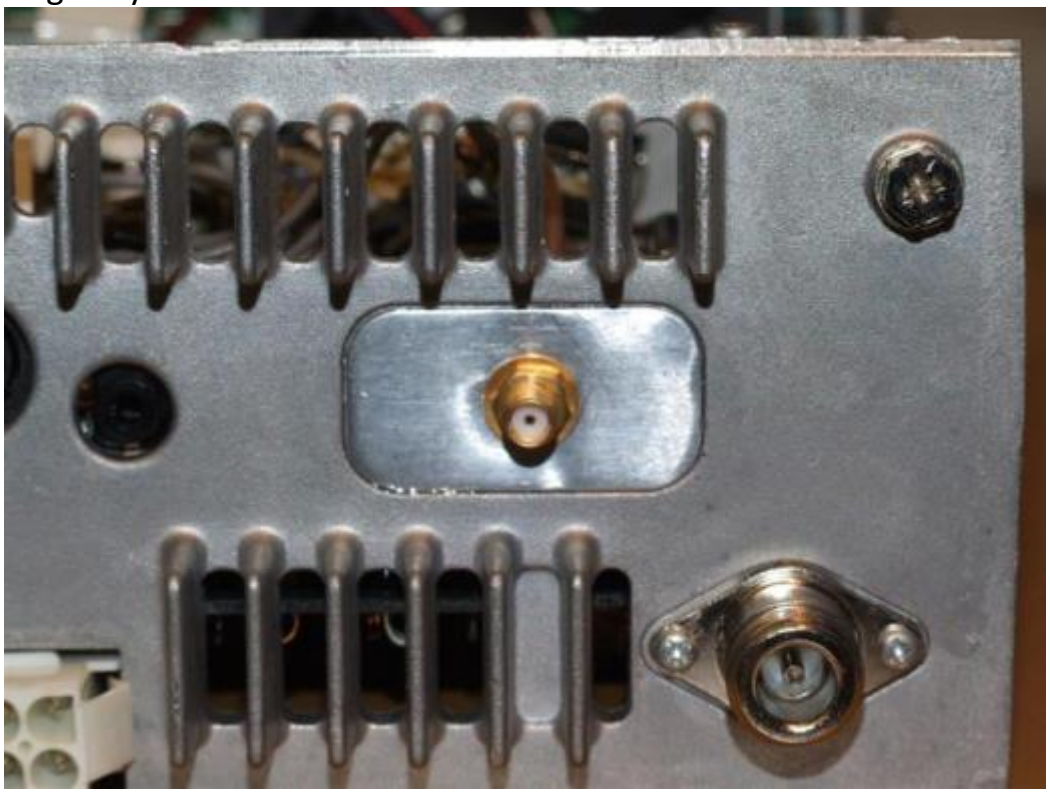
First the Shielding Plate is removed and a 3mm hole drilled in the bottom left to mount the Clifton Labs Z10000 as seen below.



7. I found there is an unused access port on back of the IC-910 which was ideal for an IF Connection.



Originally I used an SMA connector



(some super glue sound the edge of the panel is enough to hold it in place)

8. However I found it was more practical to use a Phono connector as the radio is removed and taken out very often and the SMA was getting a bit tedious.