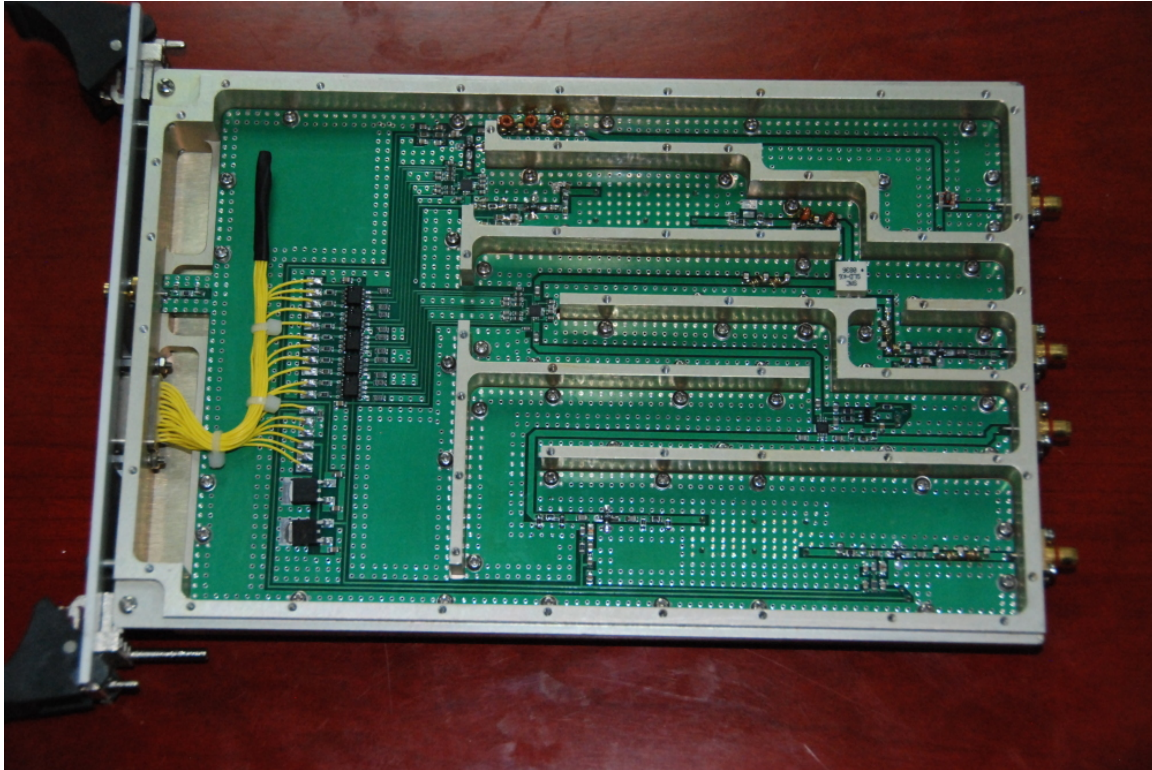


Institute 54 Receiver.

Report by Jeff Peterson



RF Input on the lower right. Above that is a post-filter RF injection/test port, then LO, then IF(?). IF is also brought out the front (left side) on an SMA. Unit is very solidly built and plugs into a rack via blind-mate connectors. The rack has a built-in power splitter for LO and injection.

RF filters and IF filters are in modules on the back side. After the attenuator the RF signal arrives at the mixer, the white block. The IF also has a digitally switched attenuator.

The IF passband will probably have to be shifted in frequency, and the RF filter must be put into a socket. The unit has more gain than we need and we will probably not use the test/injection ports, but basically we can use this unit with very little modification.