The following plots are of a 1.7 MHz HP filter cascaded with Low Pass Filters from QRP-Labs. These filters are plugged into the kitset mother board which contains the switching relays etc. Hans Summers has documented the performance of the individual filters and evaluated the toroids used https://qrp-labs.com/images/lpfkit/toroid.pdf so a good idea of how the response is affected by cascading can be seen. The HP Filter is mounted on a single PCB on the underside of a horizontal partition in a metal case and the LP Filter is mounted on the upper side of the partition.

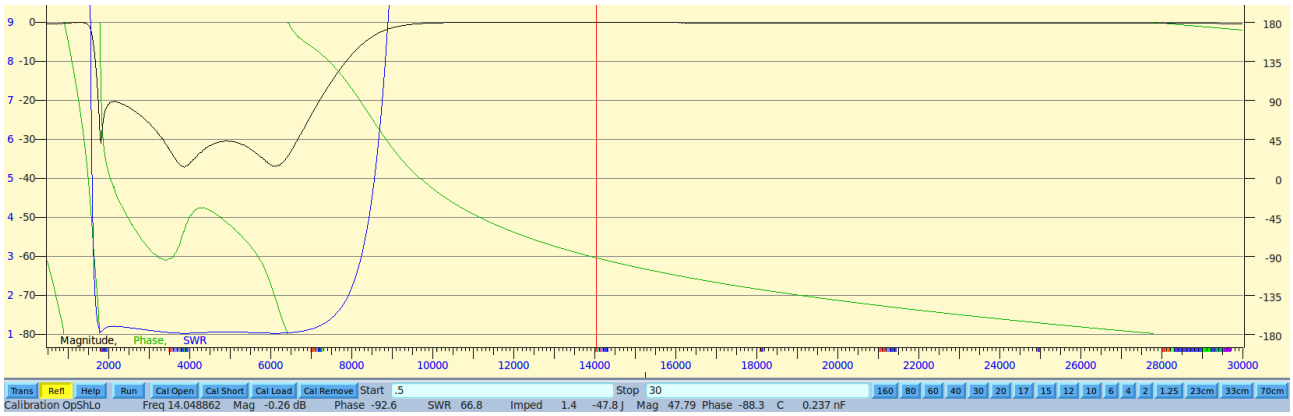
Plot 1.

1.7 MHZ HP Filter cascaded with a 4 MHz Low Pass filter in transmission mode

1.7 MHZ HP Filter cascaded with a 4 MHz Low Pass filter in reflection mode

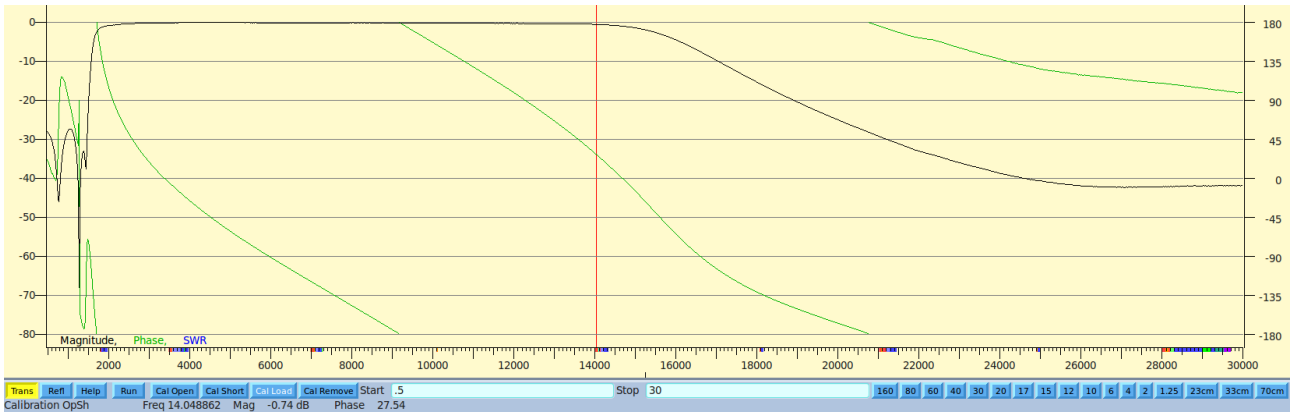
Plot 2.

1.7 MHZ HP Filter cascaded with a 7 MHz Low Pass filter in transmission mode

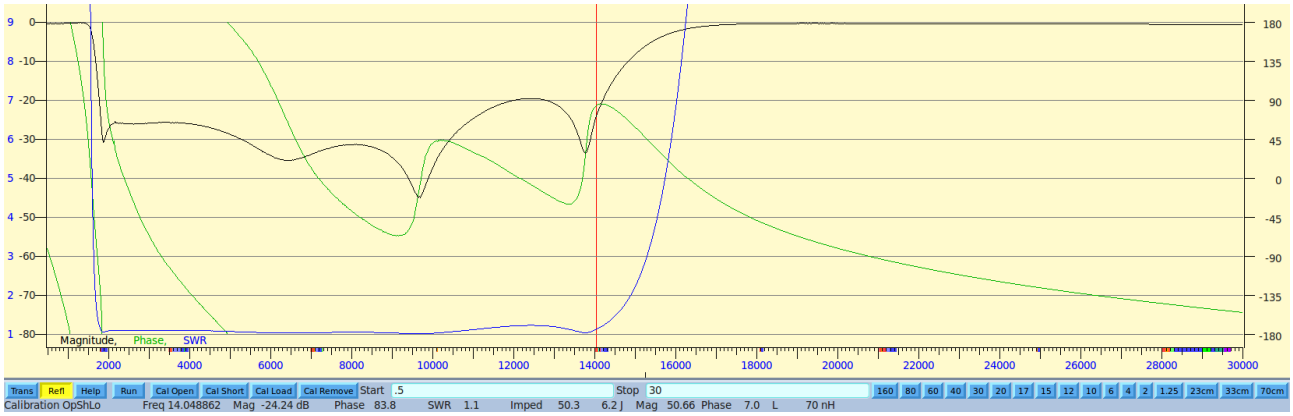


1.7 MHZ HP Filter cascaded with a 7 MHz Low Pass filter in reflection mode

Plot 3.



1.7 MHZ HP Filter cascaded with a 14 MHz Low Pass filter in transmission mode



1.7 MHZ HP Filter cascaded with a 44 MHz Low Pass filter in reflection mode