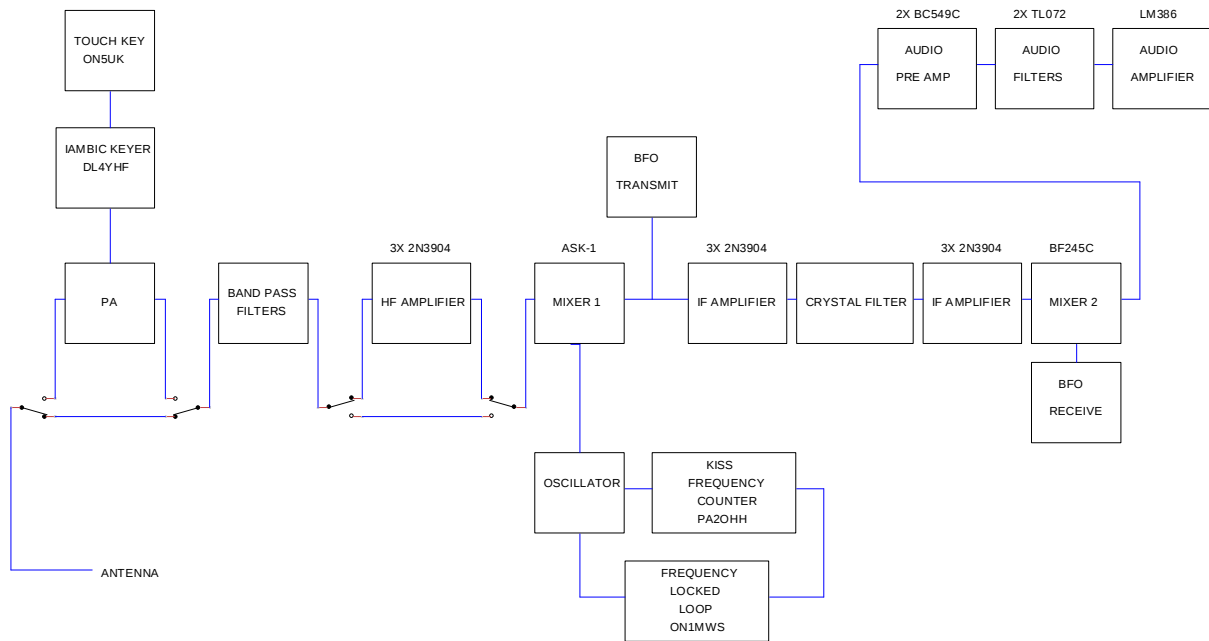


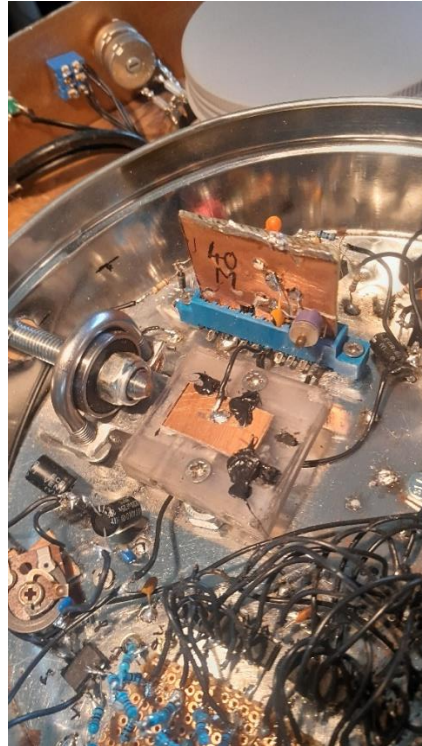
CW transceiver ON1MWS.



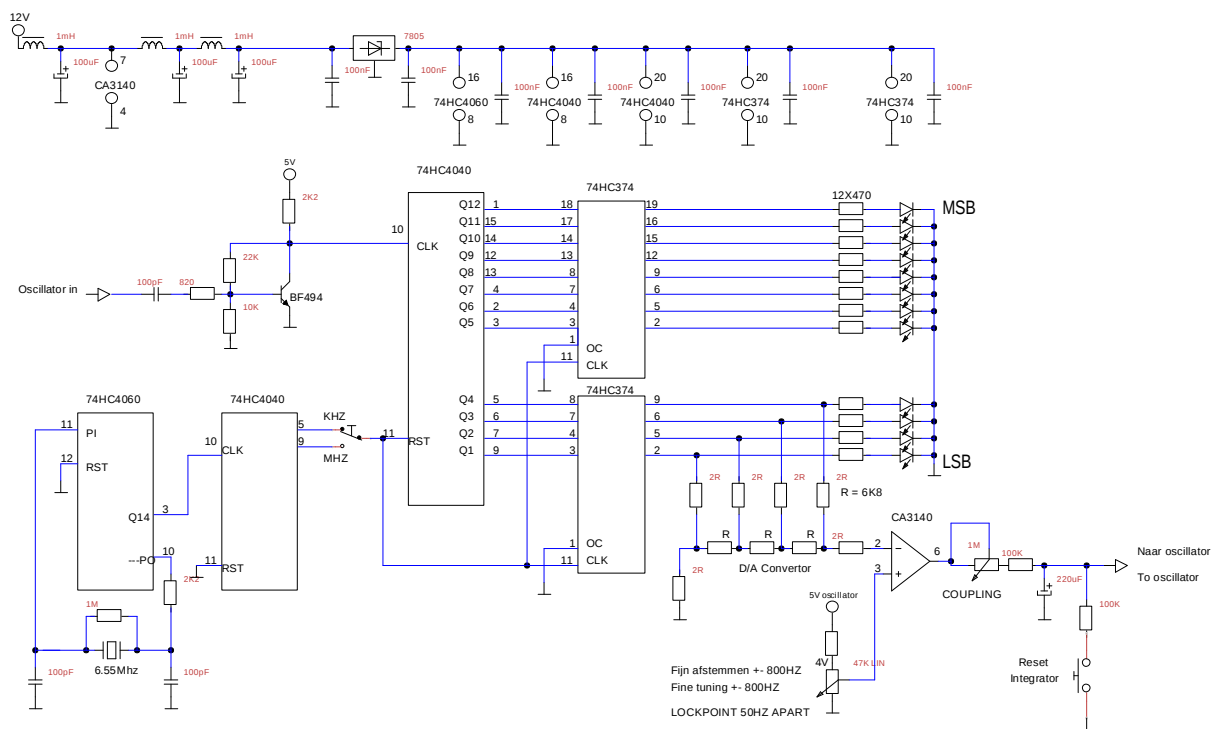
cw transceiver

Band-pass filters, crystal filter, oscillator capacitor and PA low pass filters are plug-in PCB's. In theory, the set could be configured for any band. I can only claim QSO's on 40, 30 and 20M as I only got an antenna for these bands.





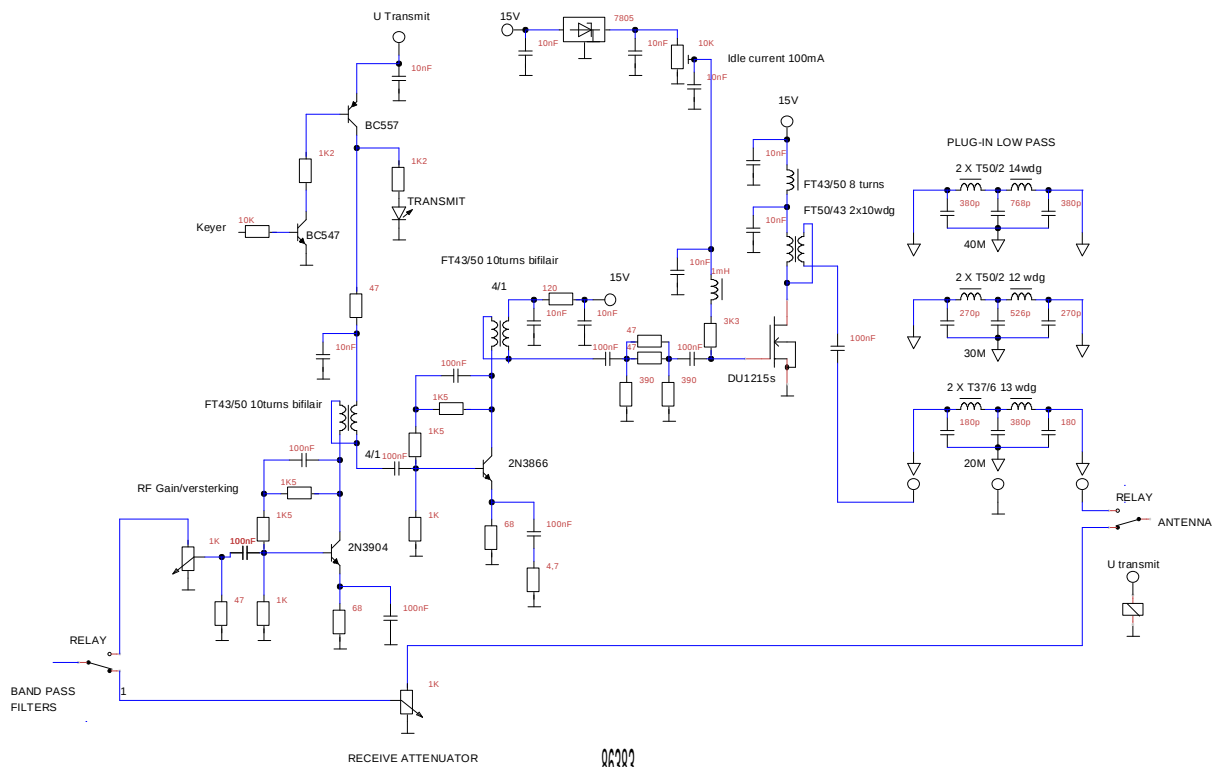
Homebrew tuning capacitor!



Frequentiemeter/ stabilisator on1mws

The frequency stabilizer is explained in detail on another PDF. It works very well and is easier to build than a Huff and Puff stabilizer.

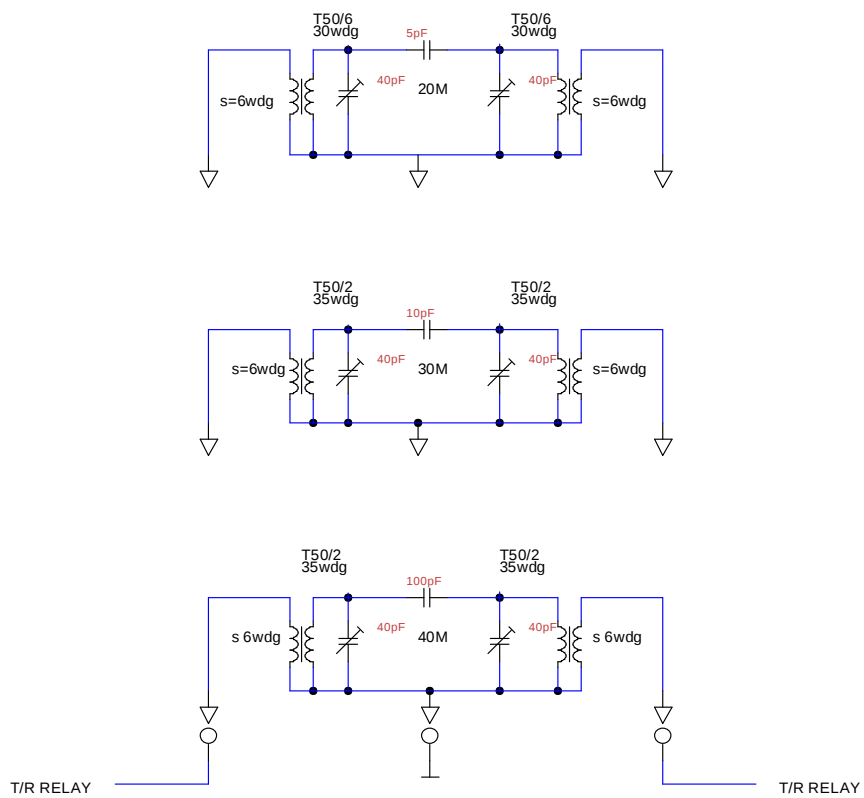
<https://www.qsl.net/on1mws/frequentie%20koppelus.pdf>

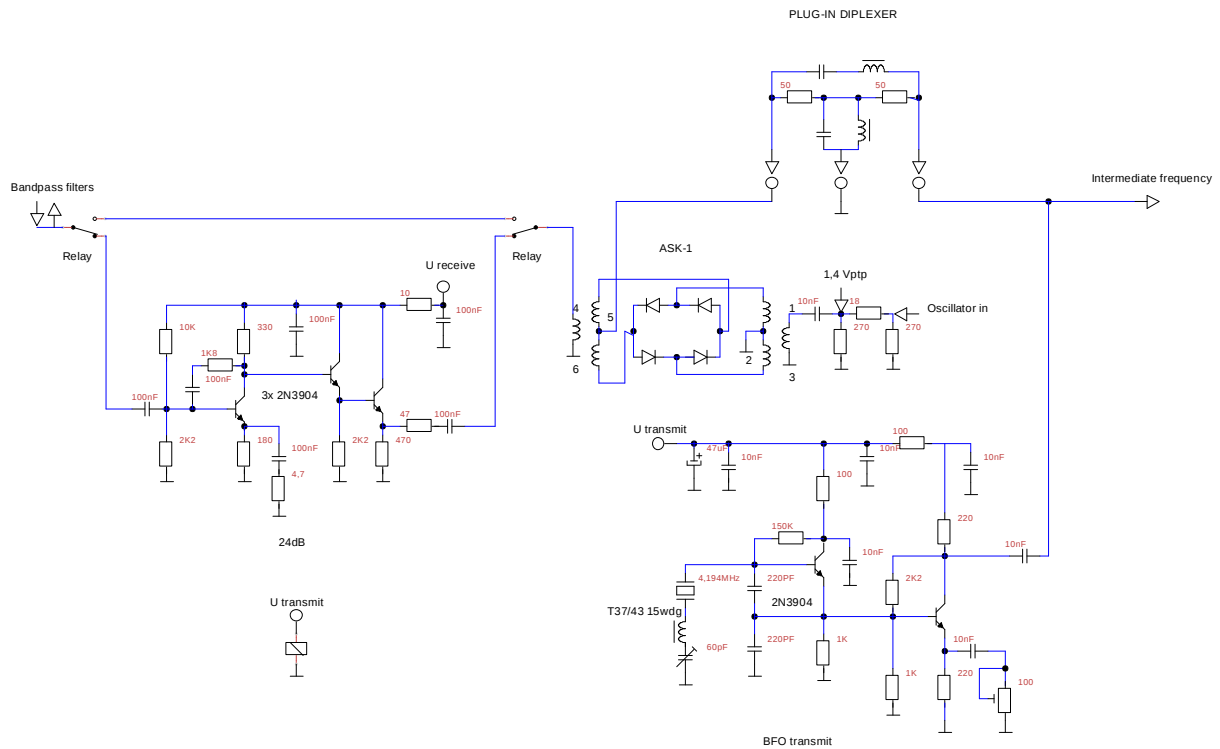


06383

Power amplifier, about 5Watt, enough to work all of Europa.

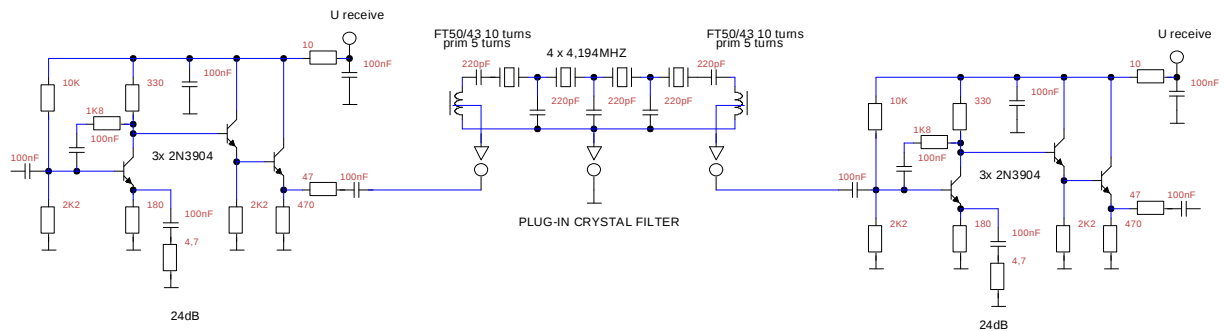






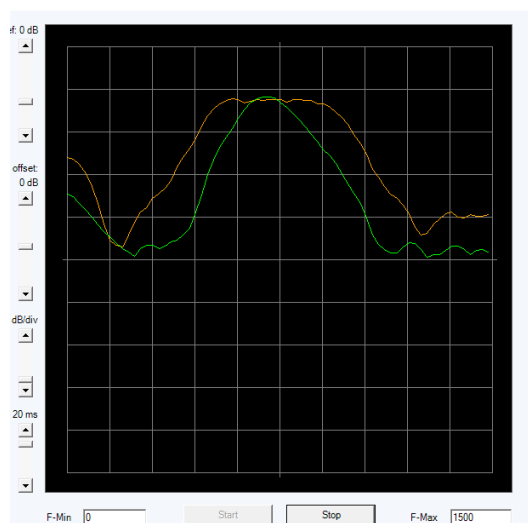
The transmit BFO must be set 750Hz different than the receive BFO. It should be right at the center frequency of the crystal filter. So you listen LSB with an offset of 750Hz (receive BFO) and send back right at the frequency of the other station.

All amplifiers are W7ZOI's 'termination independent amplifiers' 50 Ohm in and 50 Ohm out. They are set on the highest amplification which is 24dB. The Diplexer is actually never made. It is simply a PCB with a coax for now.

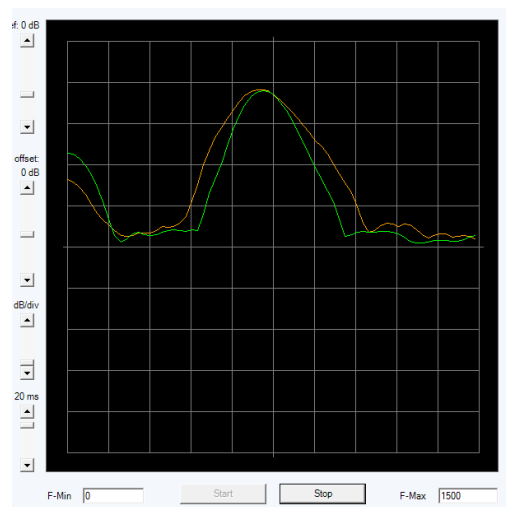




Plug in crystal filter. For the 40, 30 and 20M band it is 4,193Khz. Bandwidth of the filter is about 600Hz



Orange=crystal filter, green=2 audio filters.



Orange= 2 audio filters, green= 4 audio filters.



On1mws bossuytdanny@gmail.com