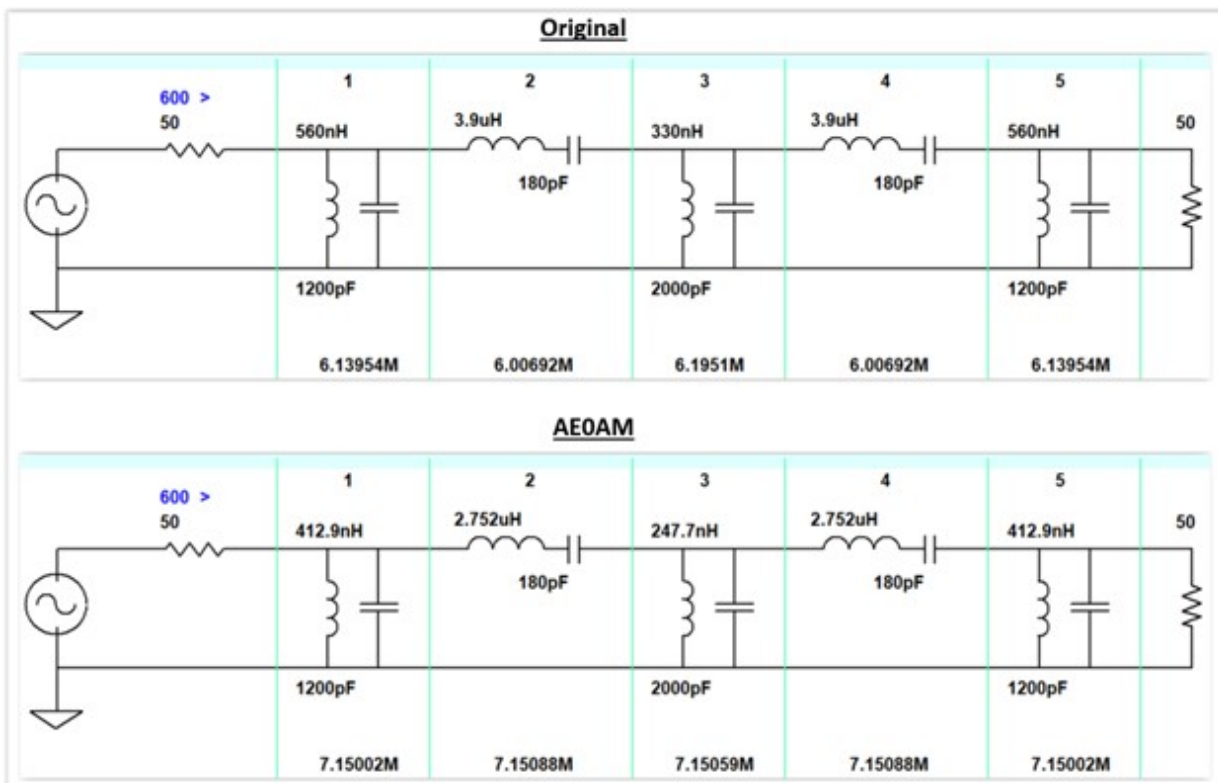


Dr. William J. Schmidt

From: AmateurRadioBuilders@groups.io on behalf of John Bennett via groups.io
<jkb=colorado.edu@groups.io>
Sent: Sunday, April 6, 2025 11:43 AM
To: AmateurRadioBuilders@groups.io
Subject: Re: [AmateurRadioBuilders] More BPF Results
Attachments: AE0AM T41 BPF Design.xlsx; AE0AM_T41_BPF_Design_Files.zip

Hi Bill,

For each ELSIE file I made sure that the C values matched the schematic, then adjusted L values to tune each stage to the center frequency of the band (for the 6M filter I tuned to a higher value). Here is an example for the 40M filter:



I attach all of my ELSIE files. I used the attached spreadsheet to design inductors that matched those values, taking into account recommended frequencies, tolerances, and my aversion to Type 0 material cores. Then I tried to build inductors that matched those values. I appreciate that this is very much a "measure with a micrometer, cut with a chain saw" kind of endeavor, but like a lot of experimental radio, the journey is at least as much fun as the destination. Of course this process was greatly facilitated by your gracious sharing of the details of your design.

73,
john AE0AM

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