

Dr. William J. Schmidt

From: SoftwareControlledHamRadio@groups.io on behalf of glenn percy via groups.io
<vk3pe=bigpond.com@groups.io>
Sent: Wednesday, August 28, 2024 2:10 AM
To: SoftwareControlledHamRadio@groups.io
Subject: Re: [SoftwareControlledHamRadio] Bandpass Filters

Dave

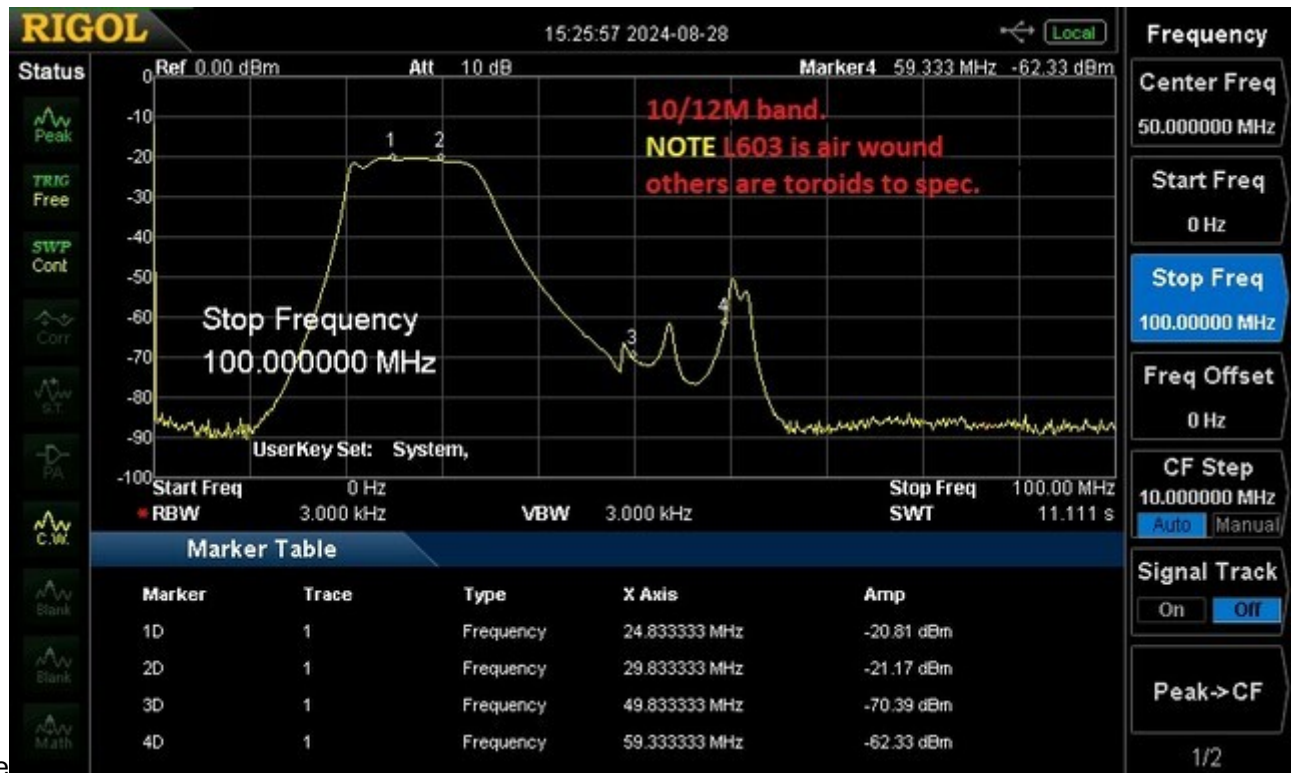
Are you able to sweep down to say -50 or -60dB range? Would like to see your results compared to mine at the lower levels.

I loaded up the 12/10M band today and swept it. I'm using pre-measured toroids giving similar **Turns** to what you experienced in your attachment. BUT L503 is air wound.

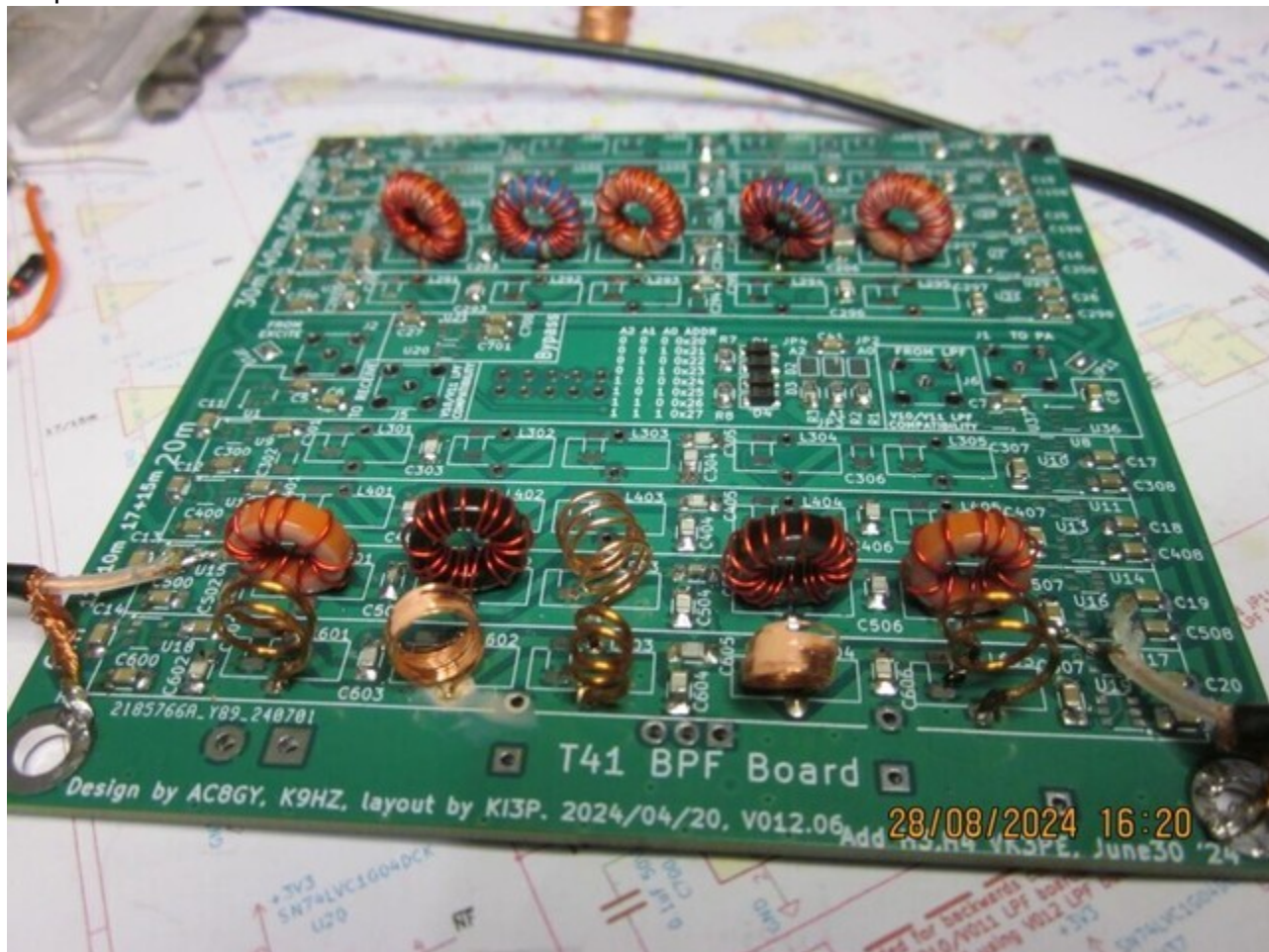
I haven't re-swept the 6M band, but you can see what I think is termed 'suck-out' on the 12/10M sweep at low levels in the range of -40 to -50dB or so. See graph. I suspect the influence is from the two adjacent airwound coils as you can see. Ideally all adjacent coils should be at right angles. Run out of time today to fiddle with that.

As a matter of interest in this case, the biggest contributor to getting a 'flat' response was adjustment of L503. Had to open it up slightly to lift the upper end of 10M band to low loss range.

Glenn



vk3pe



On Tue, Aug 27, 2024 at 01:41 PM, D Solt wrote:

dave, n3ds

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