Subject: Re: 4Pi - alternate compression driver mounting?
Posted by Wayne Parham on Mon, 31 Jan 2022 15:21:04 GMT
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Yes, you're working with much cleaner measurements now.

Get some stuffing in the cabinet and see if you can do anything with that peak around 120Hz. That is the difficult region I often talk about.

You'll notice the stock cabinet gently rises from 100Hz to 150Hz and then gradually drops to around 200Hz. This is the result of the positions of the midwoofer driver, port and insulation. It prevents the really big peaks and dips.

The peak in your cabinet is not unusual. I've seen a lot of cabinets like that. It doesn't sound terrible, but you do notice a throaty sound in male voices and other things. It just sounds "boxy."

So try lining the walls with insulation and also try placing a sheet that spans the cross-section of the cabinet between the port and the woofer. Might even use two of those. That cross-section "divider" sheet has proven to be the most effective, in my experience.