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Subject: Re: 4pi Speakers - Are My Tweeters Wired Incorrectly?

Posted by [Wayne Parham](#) on Mon, 20 Sep 2021 19:22:37 GMT

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You've got 'em wired right, and both sets of charts show you that.

As Chris said, a response chart will show a deep notch (greater than 10dB) on-axis around 1.2kHz if the tweeter or woofer is wired backwards.

And an impulse chart should show a spike followed by an immediate decay, just like what you've posted. That's what we want to see.

What you don't want to see is the spike to be followed by nothing and then later see a "bulge." The bulge is the lower frequency content and it should be instantiated at the same time as the high frequency content, which is what makes the initial spike.

I'm guessing these measurements were taken indoors, because I see the notch around 100Hz. I always expect to see that from self-interference from the wall behind the speakers. It is what flanking subs are for, so if you have the budget and the space for 'em, that might be a fun next project.

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