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

Posted by [javaught](#) on Sun, 19 Sep 2021 15:04:59 GMT

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I have had my 4pi speakers for a few years now, but recently I came by a Dayton measurement microphone and decided to do some testing. To me the SPL looks good. One thing that concerns me is the impulse graph. If I cover a full range (like 20hz to 15KHz or so) the initial 'spike' is more positive. However, if I try to hone in on the tweeters (I picked 2.5Khz to 5Khz in the attached graph images) my initial spike with the speakers hooked 'correctly' to the amp is more negative. If I reverse the leads into the amp the spike is more positive. Both left and right behave like this. Is this a sign I messed up the polarity on the tweeters when I built them? Is there a better way for me to test tweeter polarity (trying to avoid tearing into my speakers unless I need to fix something)? Thank you for any advice you can offer as I am new to speaker testing.

File Attachments

- 1) [correct wiring.jpg](#), downloaded 475 times
 - 2) [reversed wiring.jpg](#), downloaded 458 times
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