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Subject: Re: 4Pi with feet

Posted by [Wayne Parham](#) on Mon, 04 Nov 2013 06:28:39 GMT

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I'm not really sure what compression driver you listed in the notes on your crossover order, but I can check tomorrow. Then again, that doesn't matter really - Please double check the values installed on your boards. The R2 resistors (four closest to the edge of the board) should all be that.

If the R1/R2 values are right, then I know what your tweeter SPL is, and that leaves only the woofer. You can't tell the condition of the woofer by looking at it - Some third-party recones look very much like OEM parts, but they're not. Some are really bad, to be honest, with horrible breakup and other nasty things. Yours don't look that bad, but they do look like they are less sensitive than they should be, by about 6-8dB from your charts.

I'd like to see absolute SPL values, as measured on an LMS system at a known distance and drive voltage. I'm sort of assuming the compression driver is good, since it's a new part. Under that assumption, I can sort of use the tweeter as a baseline, since I know what it does. I suppose it is possible that the compression driver is abnormally "hot", but I find that extremely unlikely. And even if the R1/R2 values were set for the PSD2002 instead of the DE250, that would only explain 2dB shift, not the level we're seeing in your charts. So I am leaning towards woofers being out-of-spec at this point.