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Subject: Re: 4 pi speakers + 3 pi subwoofers, pics & measurements

Posted by [Wayne Parham](#) on Wed, 27 May 2015 16:04:50 GMT

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I cannot help but wonder if the calibration file is wrong. One must make the inference that the microphone used to create the calibration file has rising response, so the conjugate was to reduce HF by the same amount to compensate. But from what I'm seeing in the response curves, that doesn't appear to be the case. The raw measurements look closer to what I would expect, just like you said. So I lack confidence in the measurements.

I suppose you could have done something in the crossover that would cause this, because the response droops about 10dB through the decade of operation, e.g. 1kHz to 10kHz. That's what mass-rolloff looks like generally, although it is usually flat to about 4kHz and we're seeing falloff around 2.5kHz. So that makes me wonder about the compression drivers.

If you want to isolate crossover from driver, just disconnect the crossover and measure without it, using a direct connection to the compression driver.

In any case, I think we should be suspicious of the measurements and refrain from making too many judgement calls based on them. We're just not sure if the measurements are valid.

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