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Subject: Re: 4 Pi Build Progress

Posted by [Wayne Parham](#) on Wed, 23 Sep 2015 22:57:19 GMT

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I'm suspicious of the measurement system. If you had a driver mis-wired, you'd see a hole around 1.2kHz. So it's not that.

I see a big hole around 5kHz, and it's pretty much the same in both traces. However, if that were a compression driver problem, I'd expect it to be in one but not the other. So I doubt it's the driver.

It looks like one measurement trace one is shifted in frequency with respect to the other by about 10%. Where one shows a feature at say 5kHz, the other shows the same feature at 5.5kHz. Where one shows something at 42Hz, the other shows the same thing at 47Hz. So the anomalies appear to be the same in both traces, but for some reason, they're shifted in frequency by 10%. That's an odd set of symptoms.

I think the anomalies are probably caused by the measurement system. It's the only thing I can see that would cause this.