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

Posted by [Wayne Parham](#) on Tue, 26 May 2015 18:39:02 GMT

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Those measurements look good for the most part. But I agree with you that something is wrong above 8kHz.

To isolate the cause, try putting the microphone right in the tweeter throat and see what the response looks like. If the response above 8kHz doesn't look like what's in our published spec sheets, then something is wrong with the compression driver, crossover or measurement gear.

Normally I'd say look at the crossover first. And I suppose it wouldn't hurt to isolate it by removing the crossover. Measure the compression driver, all by itself, with just a series capacitor for protection. But honestly, if we had a crossover problem, I'd expect the response to be bad starting a couple octaves below that. This kind of rolloff looks more like a problem with the driver or the microphone.

In any case, you'll have to do a process of elimination to find the culprit.