Subject: Re: Four Pi Frequency Response
Posted by Wayne Parham on Sun, 08 Mar 2015 04:11:02 GMT
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That looks good until you get down below 150Hz or so. What you're seeing is definitely less bass than normal. These kinds of (high-efficiency) speakers don't have the deepest bass response and are generally better with subs, but they have more output than that.

It could be that your microphone is responsible for the rolloff. It isn't a calibrated microphone, and so that might be what's causing it. Or it could be the environment or a combination of the two. But if that's the true measurement, then bass response is lacking and something is amiss.

To be honest, I usually see problems in the upper midrange when there's a qualitative problem with the cone. Cheap recones usually show up as having reduced output above 800Hz, which makes a hole in response. Since I'm not seeing that, I think the drivers are OK, but it's hard to say for sure. The bass output on your speaker is definitely not measuring right.