
Subject: Re: On axis measurements in nearfield listening
Posted by [selahaudio](#) on Mon, 21 Sep 2009 16:28:33 GMT

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Wayne Parham wrote on Tue, 15 September 2009 19:20

I have found that most folks on the PE forum rarely (or never) do measurements. They trust their models instead. I'm not against models by any means, using them extensively. In fact, I think most people have better results with models than they would with measurements because making good measurements is not trivial and requires good equipment. But still, a good measurement trumps a good model any day. And off-axis stuff is harder to accurately model because there are complexities that aren't included in the simplifying assumptions.

To me, off-axis performance is as important as on-axis response. The total power is radiated in all directions, not just on-axis. In a room, much of this energy is reflected back, so it really is what sets the tonality of the sound field. A uniform reverberent field is just as important as a uniform on-axis response curve. Most experts agree with that, and I think a few minutes with a speaker that generates good polars will convince most any audiophile.

I think not enough people building line arrays depend on measurements like they should. Measurements are extremely important with arrays if you want the best sound.
