Subject: Re: flat response
Posted by fakamada on Thu, 31 Oct 2013 23:40:48 GMT
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Maybe I used wrong words. Don't get me wrong. Your measurements fit perfectly into +-3db margin, which is great. What really interests me is what exactly is happening inside that margin. I'm personally not a fan of perfectly flat response. Especially with pro speakers I prefer a little bit of downward slope up to the highs, which is exactly what I see in your measurements.
what intrigues me are these topics:

- more energy around 800hz-1500hz (4pi) and 1khz-3khz (3pi). My guess was that MAYBE you want to compensate for a dip in vertical off axis response. But in case of 3pi it is somewhat outside of this vertical dip region

- differences in response between 3pi and 4pi. Why are they different. In the midrange and top two octaves

- what is your take on musical, pleasant and realistic response. I had some experience with DSP and I know than little compensations here and there can even change soundstaging. For example recessed vocal range, puts a singer deeper in the soundstage - feels more distant.

Regards,
Kuba