Subject: Re: Small speaker flanking sub limitations.
Posted by Wayne Parham on Thu, 27 Oct 2016 20:25:21 GMT
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Over-excursion doesn't generally affect response. It creates intermodulation distortion. You can measure it, but more importantly, you can hear it.

So there's your litmus test: Can you hear it?

If audible, it will sound sort of like the effect fan blades have on your voice. Sort of a gargling sound. Stand very near a fan and listen to your voice. Hear that modulation? It comes from intermittent reflections causing intermittent self-interference. Now listen to your speakers with booming bass while pure vocal range tones are played. Does the bass seem to modulate the voice like the fan? If so, you have audible intermodulation distortion.