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Subject: 50Hz - 200Hz

Posted by [Wayne Parham](#) on Mon, 30 Jan 2006 17:32:53 GMT

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That's reasonable. But there are a couple of octaves there that are really important for vocal and midbass clarity. I meant to make mention of this in my reply to you the other day, but got busy and just clicked the post button. Midbass punch and vocal clarity is one of the things I listen for. Distortion in the 50Hz to 200Hz range tends to manifest itself as deep vocal heaviness, since it increases output in the range from 100Hz to just under 1kHz - right where the vocals are. Most of what's played on piano is there, and really, so are the fundamentals of most instruments. So even when a woofer is crossed over at 200Hz, I think that makes it responsible for an important part of the audio spectrum and not just the bass foundation. I haven't listened to the Dayton woofers, they may really sound good. Maybe their distortion levels are very low. Even if they generate a little more distortion, that may make vocals "warm" sounding. I don't mean to voice an opinion on what drivers are better or worse, just that I can really hear the difference when an improvement is made in the audio range the woofers are covering.

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