Subject: Re: 40Hz
Posted by Wayne Parham on Tue, 28 Oct 2008 17:00:07 GMT
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No, it's not that. The driver and port are placed where internal standing wave nodes don't affect response. The Helmholtz resonance would be about 45Hz even without insulation. After insulation is applied, it drops to 40Hz. The insulation is to damp standing waves, mostly to trap midrange energy. But it also tends to lower the Helmholtz resonance as a size effect. Anyway, long story short, cabinet tuning is 40Hz.