Subject: Re: Alpha 10 modeling
Posted by Wayne Parham on Wed, 21 Dec 2011 00:09:28 GMT
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Now that you've changed fb (the Helmholtz frequency), I think you probably have a pretty good model, although I think you're interpreting the charts overly cautiously. I'm tempering my interpretation of the simulations with what I know from the distortion measurements. Excursion does go over xmax around 60Hz (but nowhere near xlim), and distortion at that point is just breaking double digits. It doesn't get anywhere close to damaging the driver at 100 watts, and while distortion is higher between 50-60Hz, it doesn't become severe at those power levels.