Subject: Eminence Delta 12LFA
Posted by nottaway on Thu, 14 Jun 2012 12:12:36 GMT
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Hi Wayne,

I'm building some high efficiency monitors.  I have read your white paper and it was very informative.  Thank you for sharing your knowlege on speaker design.  I'm considering using the Eminence 12LFA woofer in my design and I had a couple questions since you have used it in your designs....

* What advantage does the Delta 12LFA have over the Delta 12 in your opinion?

* Without going into proprietary design territory did you find the 650Hz dip in Eminence's measurements needing treatment with crossover?  Did it demonstrate this dip in a box as well?

Nicholas

Subject: Re: Eminence Delta 12LFA
Posted by Wayne Parham on Thu, 14 Jun 2012 16:19:43 GMT
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The difference between the Delta 12 and 12LF is just the electro-mechanical specs.  The 12LF suited me better, so I used it.

The response is smooth and flat out (within +/-1.5dB) to 2kHz, well above the crossover point.  I am very happy with the amplitude response of the Delta12LF - If there's anything I would improve it would be flux modulation.  The Delta 12LF has a traditional ferrite motor with no shorting ring.  The upgraded TD12S driver has a shorting ring, and that's what makes it better, not the amplitude response.