Subject: Re: Determining Low Freq Cut Off Of Folded Horn Box
Posted by Wayne Parham on Tue, 12 Jun 2007 15:04:38 GMT
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The lower cutoff of a folded horn is largely determined by path length. However, the shape of the flare and mouth size determine overall response. If there isn't enough mouth size to support the horn, response will be peaky and bottom end response may not be all that great. The flare profile also sets the response as does the size of the front and rear chambers and the electro-mechanical parameters of the driver.

Hornresp does an excellent job of simulating basshorns. I've used it for years with good results. A good Hornresp model will predict the response of a basshorn with +/- 1dB accuracy - far better than what most people can measure. So I suggest you might want to use this program to model your horn.