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Subject: Re: Acoustic versus electrical shaping?

Posted by [akhilesh](#) on Mon, 06 Sep 2004 11:39:54 GMT

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Hi Martin, I guess the point I was raising (and we have all discussed it before but I thought it may be worthwhile bringing it up again) is: Given a low Q, high eff driver with a rising frequency response (the usual candidate for a full range single driver speaker), one can either: boost the lower frequencies using a horn, or lower the rising frequencies using an electrical circuit. The former will lead to higher efficiency, but the latter will lead to cheaper construction (by far), ability to adapt parameter values and tailor to different rooms, and can even lead to multiple frequency spectra contouring. It will of course lead to lower efficiency. If one is using a decent power amp, it should be OK. I know you have favored the latter approach, and to some extent, my home brew is a mix between the latter & the former (I don't use a horn but a traditional BR, with a subtle step circuit). The eff is around 95 db for me. I just thought anyone who has not read our earlier posts on this may find this useful to know. thanx-akhilesh

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