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Subject: Mouth Area and Cut-Off Frequency

Posted by [Martin](#) on Sat, 20 Aug 2005 19:16:29 GMT

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For your mouth area, and assuming only floor reinforcement, I get a lower cut-off frequency of 172.5 Hz. The only way I can get your 86Hz is if I assume the speaker is flush against a side wall also. My guess is that your Hedlund horn is really acting like a TL below 200 Hz and transitions to a horn above this frequency. I would also speculate that you are probably getting weak bass and could use a BSC circuit to help tame the rising mid and high frequency response of the DX4 driver, this is probably why you are using a sub woofer to help the low end. With a good BSC circuit design, the sub woofer may not always be needed unless you really want to play bass heavy music.Martin

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