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Subject: Re: basshorn

Posted by [Wayne Parham](#) on Fri, 01 Aug 2003 04:44:00 GMT

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I really like the response curve of your horn in eighth-space. That 70Hz peak isn't bad at all. It's only a 4dB peak, and so your horn would still be +/-3dB from 30Hz to 150Hz. And if it's a straight horn or has reflectors that propagate high frequency energy, you'll probably find it goes a lot higher, if that's important to you. Most woofers have rising response, and this tends to act in a complementary fashion to the falling response of the horn, unless there is a low-pass filter in the system. A low-pass filter can take the form of an electronic crossover or it can be an acoustic filter made by horn folds that reflect midrange energies within the horn instead of directing them towards the mouth. If you plan to crossover at 100Hz, this is of little importance. But if you want the option of higher-frequency output, then wave path and reflector geometries become significant.