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Subject: Re: port/duct position question in a simple ported system

Posted by [Wayne Parham](#) on Sat, 24 Mar 2007 16:46:27 GMT

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The main feature of a bass-reflex cabinet is a Helmholtz resonator, and port position is not relevant. However, the shape of the cabinet, and the positions of the driver and port might be, if standing waves setup within the box in the bass frequency range. If this is the case, the system will develop transmission line behavior, which is position sensitive. You can also have a system that has both mechanisms working, Helmholtz resonance and standing wave resonance. It would be a hybrid, something between a transmission line and bass-reflex speaker. I suspect that many speakers that are physically large fall into this category.

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