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Subject: two questions Wayne.

Posted by [j.luis cruz](#) . on Thu, 26 Jan 2006 21:33:11 GMT

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Hy.Wayne where work better a speaker port , In the front of the cabinet radiating free to the room or in the back of the speaker a couple inches from the wall . Second question according the eminence website the Alpha 10 have a spl between 500hz and 3500 hz of 94-95 db my question is How much decibels of gain have the alpha 10 when put in a mid-horn enclosure driven by 2.83volts .thanks

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Subject: Re: two questions Wayne.

Posted by [Wayne Parham](#) on Fri, 27 Jan 2006 02:22:31 GMT

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The Alpha 10 on the midhorn generates 105dB/W/M.For vented cabinets, port position won't matter unless airflow is restricted. So if the port is small and/or displacement of the driver is high, vent airspeed may cause turbulence from a nearby spaced wall. It's probably a good idea to keep a distance of at least port diameter or so from any obstruction. Another thing to consider is standing wave nodes. If all dimensions of the box are small compared to the wavelengths presented to it, then standing waves won't form. But if a box dimension becomes acoustically

important in a box like this. Once the box is large enough in any dimension, it develops pipe modes and if you put the port or driver in a standing wave node, you'll see ripples in response as a result.