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Subject: Standing waves and resonance

Posted by [Wayne Parham](#) on Mon, 10 Jun 2002 00:00:49 GMT

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The reason that particle boards and laminates are preferred for building loudspeakers is that they have several different fibers that are oriented in different directions. So the cabinet panels are less prone to resonance. About subs, Adam was right. Standing waves are as much an issue for subs as anything else, but they are used at frequencies where wavelength scale is measured in feet. If your cabinet were several feet across then standing waves might set up but when crossed over in the double digits, small cabinets like you've described are nowhere near large enough for modal behavior to occur.

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