

---

Subject: Re: Golden ratio for loudspeaker cabinets

Posted by [Wayne Parham](#) on Tue, 12 Oct 2010 16:12:20 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

Well, 15" wide and 40" tall is a ratio of 2.667-to-1, not 1.618-to-1 or even close. Not that this is necessarily bad but at 40", you'll definitely want to analyze internal standing waves. There will be pipe modes in the passband, if this is a full range speaker. Depending on what you're trying to do, that may or may not be a good thing. For instance, transmission lines depend on them. But it is something you'll need to explore for best performance.

---