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Subject: Re: 3Pi Satellite idea

Posted by [Justin Morken](#) on Tue, 01 Dec 2009 23:05:43 GMT

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I guess I hadn't even considered bracing and baffle strength

I just looked at the blank wood between the woofer and tweeter and thought to myself "hey, they aren't touching yet!"

I'm doing my darndest to preserve as much of your design work as possible while trying to reach a better WAF. I think I may have mostly given up. I'm now considering building the plans as drawn, but adjusting the dimensions taller, narrower, and deeper so as to have a "tower" speaker. 34"H x 14"W x 16.5"D will give me almost identical volume and has well spaced resonances. I tested the original box dimensions against my new dimensions with Boxnotes and the resonances seem to be pretty comparable. The only factor I can't calculate is port placement in relation to box nodes (something you've already figured out).

Your video was very helpful. Seeing the vertical nulls spaced that far apart is pretty impressive.

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