

---

Subject: Re: 4 Pi Home Theater Build

Posted by [Wayne Parham](#) on Tue, 26 Jun 2012 15:32:04 GMT

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

---

That looks good from 100Hz up, which tells me the flanking subs are setup correctly. I do think you might benefit from adding one or two more distant subs to smooth the lowest modes. You could fill in that 60Hz notch, for example. That would make the 40-50Hz region sound less pronounced, because the bass would be more uniform, overall.

You'll notice the difference between the peaks and valleys below 100Hz is around 15dB. This is typical of room modes that aren't well damped. The peaks and dips above 100Hz would also be this large without your flanking subs filling them in. The flanking subs reduce the ripple by about half. Add another sub or two placed further away and you can expect the same sort of smoothing below 100Hz as the flanking subs provide above 100Hz.

---