Subject: Strange three-way
Posted by Skip Pack on Thu, 15 Jul 2010 22:11:44 GMT
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Wayne,

After LSAF in 2008, before I moved back to CA, I enjoyed John Busch's Altec 605 open baffles, and have since made a pair for myself. While I realize they come up short on a couple of your criteria, particularly with the midwoof being asked to go to high, and with the little tweeter horn being too small to go low enough, I thought it might be interesting to kick around a possible three way design.

If you mounted the coax (in this case Altec 604C's) in a bass-reflex cabinet with a modestly sloping front and coax close to the top, you could put one of your midhorns just above it, crossing the midwoof and the horn at around 400 hz, and the midhorn and the compression driver in the coax at about 2k. I would imagine the timing at 400 hz would not be an issue, but the HF crossover would need to deal with issue though the Altec compression driver in the coaxes is quite a ways back.

Any thoughts?

Skip

Subject: Re: Strange three-way
Posted by Wayne Parham on Fri, 16 Jul 2010 03:15:41 GMT
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It isn't too much work to get things approximately right, kind of with seat of the pants adjustments. Another level can be realized with real good models. And of course, the best results come with fine tuning done with measurements.

I've become somewhat set in my ways, because I spent so many hours fine tuning my speakers literally over decades of refinement. I just don't deviate much from what I've found works best for me.