Subject: Re: Cornerhorn possibility?
Posted by Wayne Parham on Thu, 10 Dec 2009 15:34:15 GMT
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I'm not a big fan of the Unity design concept, at least where sound quality is concerned. Wave propogation inside the horn is unusual, with drivers placed along the walls, which causes all sorts of internal reflections. An even more basic issue is summing, and I've always questioned the ability of the designer(s) to get that part right.

I've never seen a Unity (or Synergy) that measured particularly well, having response anomalies from the internal interactions. I think that's why sales brochures for those kinds of speakers show response charts with smoothing applied, and even then you can see dips within an octave of crossover. When shown at higher resolution those prove to be destructive interference notches. Lots of stuff going on inside that kind of device, so it's no wonder there would be multiple interactions, many constructive and many destructive. It's just not a concept that appeals to me, at least not for hifi.

That said, there have been a handful of people here that have combined Unity tops with cornerhorn bass bins. Conceptually, it could be used to replace the midhorn/tweeter of the seven

from a Unity, but since you have access to them, it can't hurt to give them a try.

for the stock mid/high and compare the sound. Let us know what you think.