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Subject: Re: The AudioKarma Econo-Waveguide Speaker

Posted by [Duke](#) on Sat, 23 Apr 2011 12:55:47 GMT

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Looks great, Fred! Very nice job.

I stumbled across that horn on the Parts Express website while researching a bass guitar cab project. The first time I ran a suite of measurements, I thought there was something wrong with my setup. The polars looked too good to be true, so I ran the data again. Nope, it's really that good. Not perfect, but certainly work-with-able (which was not the case for most of the horns I measured). I now use it in most of my speakers.

The horn body itself is a bit resonant and "plasticky" sounding, so I stick some Dynamat to the backside, and that cures it. I also use a bit of blue loc-tite on the threads, just in case it wants to wobble loose from the vibrations. Maybe all of this is covered in the AudioKarma megathread, I dunno; only glanced at a few pages of it.

Again this year I'll be showing a speaker that is conceptually pretty much identical to the 3Pi and Zilch's Econowave. Gee, so much for originality (though mine isn't a deliberate copy). Okay maybe my angle enclosure is original (well, except that NHT did it long before me).