Subject: Re: Midhorns and boundary loading
Posted by Wayne Parham on Fri, 21 Aug 2009 04:16:13 GMT
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Both horns will have nearly the same response in small to medium sized rooms (provided driver breakup doesn't do weird stuff above 1kHz). The differences will be a little easier to notice outdoors. Even there, the biggest difference will be fullness of male voices and cello from the DDS pipe mode around 120Hz. Other than that, it wouldn't be night and day because while the sim results look pretty different, those DDS peaks are only about 3dB. Its lower frequency extension is about an octave lower because of that lowest pipe mode. Indoors, this is all irrelevant because room modes swamp the horn's pipe modes. The room modes will be getting closer together in the 100Hz to 200Hz range, blending in with the pipe modes of the DDS horn and sort of filling in the bottom end of the EAW horn.