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Subject: Re: 1:1 throat area

Posted by [Wayne Parham](#) on Thu, 22 Feb 2007 17:49:10 GMT

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Klipsch's rubber throat does that, you're right. But as you've said, it was done on undersized

smaller scale for a midhorn though, so I think it was worth noting. Good call. The use of changing wall angle to increase uniformity of a constant directivity horn is a different matter, because it addresses the loss of pattern control. What CuppaJoe is talking about is widening a very small area near the throat. This will not widen or narrow the pattern at any frequency. It might cause a reflection at high frequency, hopefully, out of band. But the pattern would not be set by this feature because the rest of the wall angle constricts radiation to a narrower pattern.

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