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Subject: Re: Pattern control and mouth size

Posted by [Wayne Parham](#) on Sun, 11 Feb 2007 19:40:40 GMT

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I don't think center-to-center spacing will be as much an issue when splayed, either vertically or horizontally. In the range where each of the horns have pattern control, overlapping fields would be more of an issue. The tight pack array, for example, has drivers physically close, with the apex of adjacent horns right next to one another. The wall angles are splayed, and adjacent walls nearly touch. This makes the pair of horns act similarly to a single radial sectional horn. In the case of crossover between horns that cover different bands, the region of interest is the overlap

two sources will act as a single sound source. In any event, if sound sources are too numerous to allow for tight pack spacing, then the next choice is dense interference. There are merits in this

that result from reflections in the environment.

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