Subject: Re: Conical HF Horn?
Posted by Cuppa Joe on Tue, 19 Jun 2007 00:46:20 GMT
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I've read something of the sort concerning the old EV Mantaray stadium horns. Intuition tells me that the dense vertical interference will help mask the apparent apex difference. (Yes? Maybe?) The singular task of finding just the right HF horn for this project has taken at least 4 times longer than it took to design the midrange horn! A pair has to fit exactly across the mouth in the vertical, they can't be too wide or too panel-like, they must be constant directivity, 90 degrees, and have a cutoff between 1.5kHz and 2kHz. I've even considered using a bi-radial horn sideways with a deflector to correct for upper-range dispersion!