Subject: Re: Constant Directivity
Posted by Wayne Parham on Fri, 18 Aug 2006 06:10:58 GMT
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Well, a lot of what you said is general and not specific enough to really analyze. But there are a few concrete facts you can get a hold of.If a horn is short, it will not load down to as low a frequency as a longer horn of the same shape. If its mouth area is small, then it won't have as good pattern control as a larger horn.Beaming is another name for collapsing directivity and it occurs when a direct radiator becomes directional because of path length differences between points along its cross-section and listening points out in the environment. It occurs in a curved wall horn because wall angle gets narrower further down the throat.I might suggest for you to study horn theory and learn how things work. The concepts are pretty simple so you can pick it up pretty quickly.