Subject: Peaking in the bottom octave
Posted by Wayne Parham on Mon, 07 Jul 2003 01:21:23 GMT
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You undoubtedly have some peaking in the horn design you are talking about that has increased output near the cutoff frequency. I often build conical horns with this same sort of response, so I'm not against this practice. But the fact is that the acoustic loading of tractrix and conical horns becomes less resistive at the flare frequency than it is further up, and this translates to lowered efficiency. A bump in the bottom octave from resonant peaking can be used to raise output instead.