Subject: Re: "sensitivities of subsystems"
Posted by Wayne Parham on Sat, 12 Apr 2003 01:29:24 GMT
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I think Sam is right. I suggest changing the R1/R2 values and possibly omit the C1 component altogether. Your tractrix horn has collapsing directivity which provides some acoustic EQ. My crossover is designed for CD horns and provides electrical EQ to compensate for falling power response. So your speaker has twice the compensation, one in the crossover and another in the collapsing DI from the tractrix horn beaming at HF. The speaker isn't the same as designed, and I think the solution is to modify the R1/R2/C2 values as appropriate for the horn used.