Subject: Re: FR Measurments of Line Arrays
Posted by Rick Craig on Fri, 08 Jul 2005 03:38:42 GMT
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The multiple drivers in an array will behave differently than they would in a point source design. Typically the woofers will need a lower crossover point which is why I prefer using a ribbon that will cross in the 1-2K area. This is true even for the 5-5.5" drivers and in some cases the upper end response of a 7" woofer is as good or better than the smaller drivers. I have some ideas as to why this happens but the C-T-C theory tells us the opposite that the smaller drivers should behave better.While I have a great amount of respect for Earl I think there's still quite a bit that's not fully understood about the performance of line arrays in a typical home listening environment. Most of the original theory was based on large venues and until Jim Griffin did his paper there was very little information for home audio applications. I've found what things work best after building several arrays and my advice would be to measure,listen,measure,listen...Rick