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Subject: Re: musical peaks / SPL / power distribution

Posted by [Steven Homrighausen](#) on Tue, 03 Apr 2007 13:07:32 GMT

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Thanks for your reply, and comments. I'm not really concerned with total output. I just wanted to verify my understanding of a few things and get some opinions. Overall, I want a highly detailed system that is 'balanced' - to me, it doesn't make much sense to have a line array that is capable of high dynamics if your bottom octave doesn't share the dynamics. I believe that too often, the answer is that line arrays are amazing, dynamic, etc. I understand that. I've read Dr. Griffin's paper and understand most of the theory. One area that I may have missed is total power handling of a ribbon array. When someone builds a speaker (any speaker), there are limits in ultimate output and therefore dynamics. My father owns a pair of Klipschorns and based on their 105dB sensitivity, and their 400w peak power handling, they can produce 131dB (though their site states maximum acoustic output of 121dB). I find the Klipschorn to be a fatiguing sound, and overly bright (though my father loves them). Most of my listening levels are quiet enough that I can carry on a conversation in the same room without being annoyed by the music. There are times, that greater levels are required. I want to understand the limits of a line array.

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