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Subject: Re: Prosound Shootout 2007 - RESULTS  
Posted by [Wayne Parham](#) on Sun, 21 Oct 2007 17:44:52 GMT  
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We were blessed with wonderful weather again this year. Sunny and about 65° when we all showed up in the morning, warming to maybe 80° by mid-afternoon.

Left to right: Michael Parham, Wayne Parham, Debbie Loughridge, David Lee, Bill Wassilak, Stan Loughridge, Jeff Permanian, Leland Crooks, Harley Dear

Left to right: Wayne Parham, David Lee, Steven Parham, Jeff Permanian, Leland Crooks, Harley Dear

Below are photos of the speakers side by side, taken from three different angles. This will help you get an idea of the relative sizes of each box. Click on a picture to show a larger view.

Left to right: (2) BassMaxx X2C Deuce, (2) JTR Growler, (1) Fitzmaurice Tuba 36, (2) Fitzmaurice

The wind was calm in the morning and late in the afternoon, but picked up a little in the mid-afternoon so we measured the noise floor twice, once in the morning and once in the afternoon. This sets the minimum SPL we can "see", so once a sound is below the noise floor, we don't know what level it is. This is important mostly when looking at the distortion charts, because they are (hopefully) down in this range.

Once distortion is below the noise floor, we don't know what level it is. This sets the minimum distortion we can measure. Distortion that's 20dB below the fundamental is 10%, -40dB is 1% and -60% is 0.1%. So since the noise floor is about 65dB to 70dB, the fundamental has to be 110dB for 1% distortion to be visible above the noise floor. See the distortion conversion chart.

Noise Floor

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