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Subject: There is a lot to be learned in efficiency designing from car audio.

Posted by [strebo](#) on Mon, 28 May 2001 00:09:35 GMT

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Ok. A fellow has a Car stereo system that can pressurize a cab of a Truck to 158dB at frequencies between 22 and 40 Hz. He has 4 15" woofers in 4 sealed enclosures running a true 500 watts per enclosure. Let us run the numbers: The woofers are 93dB 1 W/1 M. Using 4 of them, this would equate to over 100, but not much. Given the fact that He did hit 158dB, then it would take close to 500,000 watts to get to 158 dB. The loudspeaker environment and loading does change the structure of the math. Food for thought. ref: 101 dB 1 W 111 dB 10 W 121 dB 100 W 131 dB 1,000 W 141 dB 10,000 W 151 dB 100,000 W 161 dB 1,000,000 W