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Subject: 97dB

Posted by [Wayne Parham](#) on Wed, 30 Jan 2002 13:50:23 GMT

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250 watts is a 23dB increase over 1 watt, so if the 250 watt measurement maxes out at 120dB, I'd expect the maximum 1 watt SPL to be 97dB at 1 meter. I'm guessing at 250 watts, it is losing 1dB or so to thermal compression so it's 97dB to 98dB at 1 watt / 1 meter. At 500 watts, it probably loses 3dB to 4dB, but thermal losses aren't quite that high at 250 watts. Also note that Bill said the passband average was 115dB, so most of the bass range would be closer to 92dB. Used as a midwoofer in a two-way speaker, you can expect midrange output to be 3-6dB louder than bass below 100Hz.