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Subject: Further thoughts on peaks and some clarifying questions

Posted by [akhilesh](#) on Mon, 08 Aug 2005 06:42:12 GMT

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THanks for your opinion, Bob, more so since you actually listened to the horn shoppe speakers. Could you tell us what frequencies you measured the 108 db peaks at, and what the distortion was at the 108 db peaks? When you say the amps sounded a bit strident, are you sure it was not distortion on the part of the driver? It's unreasonable to expect a 4 inch driver to do 108 db bass peaks (say in the 50 HZ region) without significant distortion, in general. So i don't think anyone would fault Ed's design (which I am sure sounds wonderful, and we would all LOVE to hear) if it "only did 102 db peaks in the 50 Hz region". Doing 102 db peaks with a 300B amp (about 8 watts max) leads me to believe the efficiency of the hornshoppe speaker is around 94-95 db. It is reasonable to expect the driver to do undistorted peaks of frequencies above 100 hz upto maybe 105-110 db, depending on the wattage of the driver. Overall, I don't think Bob Brines & Ed are disagreeing a whole lot. I have actually heard Bob Brines's speakers (almost all his models) and they are very nice. I think they will do 105 db peaks as well, above 100 hz. below that, no, and in fact most single driver systems won't, at least not without increasing distortion. Again, I reiterate, a single drive comparo between bob brines's speakers (based largely on Martin's designs) and Ed Schilling speakers will be awesome. Based on reviews I have read of Horn Shoppe speakers, they probably sound very good too. It will be a real treat to hear a comparison, and to see the differences between them. Again, ED, PLEASE do ship a pair of speakers for the next GPAF, even if you cannot make it. -akhilesh

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