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Subject: 133db,magic cabin gain,SPL meters  
Posted by [toxicport.e](#) on Sun, 14 Sep 2003 07:59:02 GMT  
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okay i went to an SPL comp- they used an AUDIOCONTROL spl meter with big red LED display-this is kinda off topic-but i like the group of ppl in this forum!can i trust the meter?i think it was IASCA relaxed rules..(one guy tested with his drivers window down,but he got low DB anyway so its not like he cheated to win!)my friend with focals 6.5",infinitys rears and infinity 2x10" in his parcel tray with 18L each beat those stupid pioneer VCCS 12syay! he scored 133db-this seems alot for a woofer that models as 110db in the current sealed box in winisd.110db>133db ? thats alot of cabin gain! it is an old 84 VK commadore,heavy and well built more like an american car than lightweight import,the panels didnt seem to flex and it seemd one of the quietest cars- but beat some of the ones that seemed louder-but loudness is no use where u stand OUTSIDE the car is it and ur measuring from the drivers passanger seat:Pmy friend Ben with this car,he won the SQ and got a rockford fosgate jacket worth 90\$ US he was stoked.a guy had 2x12" dd audio subs ported,hit 147 he won.(thats pretty high i dont trust the meter)most cars with pioneer VCCS subs were stuck in 128-136db range.it was funny how the japanese import cars tended to flex ALOT!my friend drives with his little infinity kappa pro 10"s flying 3cm al lthe time,they make a DONKing sound he doesnt seem to notice :P it sounds like a 60hz drum kick that isnt actualy in the input signal :-Pso ive experienced 133db approximately in my mates car he exceeds his rms limit by almost 2x with the power hes putting into them! im surprised the 10"s didnt fry..why are RS meters limited to 126db? physical limitation of the mic? i know you can get replacement mics,for real cheap,are these any better?surely the high pressure could do physical damage to delicate mics?????? im not so hot on microphone knowledge..i want to plot his SPL level vs frequency but its not useful if it cant do 130db+also nearer the end of the comp,the local skinheads turned up to take down number plates of the nice cars-cos u can go into any post office,give license plate #,and find the address of the car owner, steal their car !! strange system aye! why is that loophole there@ its totaly crazy no one would want my mates car,his audio is worth more than the carCheers from NZMike

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Subject: Re: 133db,magic cabin gain,SPL meters  
Posted by [Wayne Parham](#) on Sun, 14 Sep 2003 08:44:07 GMT  
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Yep - That's a lot of cabin gain. But it's cool too! I hope the guy checks the welds on his car often. I know my Oldsmobile pulls stuff apart from engine torque, so I suspect a monster stereo will pull weld joints apart too.

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Subject: all i need is..

Posted by [toxicport.e](#) on Sun, 14 Sep 2003 09:28:59 GMT

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his 1.3kw into my 8ohm jBL should produce something reasonably impressive-if i increased box tuning from 33 to perhaps 42 or 52 :-)-cabin gain =23dbwinisd models jBL with 600watts = 125db in 2pi space +23db =147dbouch is all il say:-)also im designing an SPL box for a mate in auckland, im wondering if a 9db peak in ported box response will be okay for it :-P i reckon 6db is quite safe,,the thing is that the excursion is low anyway,so why not go 9db peak.. hahahmmm low compression also on jBL I really hate car audios lack of numbers/specs it ends up encouraging a zone of ' i did this with this sub so u can do it too with ur different model i think' etc..:-)cheersMike

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Subject: make that 148db,,

Posted by [toxicport.e](#) on Sun, 14 Sep 2003 09:31:08 GMT

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make that 148db not 147its after midnight cant add 5 + 3 accurately :-Dlol 147db

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