

---

Subject: Re: First Impressions

Posted by [ronbrady](#) on Sun, 10 Apr 2005 04:33:04 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

Hi FredI took some time to run a few simulations for you in WinISD for a bass reflex enclosure of 2.5 cu. ft. tuned at 71Hz for the Nirvana 8" using the published specs and I must say that it is one of the most unattractive alignments for that driver and box combo. There is a -2db hole from 100-200Hz and a +3db peak at 75Hz. I continued to run the simulation to try and fit that driver to that box and the best alignment I could come up with is a port tuning of 41Hz which would use just one of your 3" ports and would be 2.25" long but the worst part is that the qes must be changed by adding an 8.5 ohm resistor in order to get the qts up to .40 which is about the minimum for this box and driver combo. Unfortunately the addition of 8.5 ohms of series resistance will throw away a lot of efficiency but for that size box I don't see any easy alternative. I could run some sims for a smaller box for you if you like but it looks to me that this driver really would work best in a horn style enclosure. I hope that some of these guys will be able offer you a better solution. Best wishesron brady

---