
Subject: 2226 tuning help needed!

Posted by [spkrman57](#) on Fri, 28 Jul 2006 14:52:18 GMT

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Wayne, Looking for comments on this configuration: 2226J in 3.5 cubic ft box tuned with (2) ports 4" ID and 6.5" long. Results from WT2 come up with this: $F_{sb} = 45.7\text{Hz}$, $\alpha = .955$, $H_a = .78$, $F_m = 35.67\text{Hz}$, $f_{lo} = 23.5\text{Hz}$ (67 ohm), $f_{hi} = 69.3\text{Hz}$ (80 ohm). My listening detects a large hump around 60Hz. Could you recommend a port tuning change (shorter ports I'm thinking) to get back to flatter response. JBL recommends (2) 4" ID ports @ 4" long for a 4 cubic ft box. Would you agree that shortening the ports from 6.5" to 4" would be close to optimum? Cabinets arrived to me as described, so I knew a port change would be necessary. Thanks, Ron

Subject: Re: 2226 tuning help needed!

Posted by [Wayne Parham](#) on Fri, 28 Jul 2006 15:08:44 GMT

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I think that alignment would work great outdoors or in a very large room, but indoors it might sound peaky especially in a smaller room. I like a slightly overdamped alignment for this driver, so I tune the cabinet about 10Hz lower.

Subject: Re: 2226 tuning help needed!

Posted by [spkrman57](#) on Fri, 28 Jul 2006 17:22:08 GMT

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Wayne, I take your answer as meaning to extend the ports a few inches longer, say 8" long each vs 6.5" that are in there already. Thanks, Ron

Subject: Re: 2226 tuning help needed!

Posted by [Wayne Parham](#) on Sat, 29 Jul 2006 05:32:57 GMT

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Yes, making the ports longer would certainly shift the Helmholtz frequency down. I'd go down about 10Hz, so I'm thinking you may have to go longer or even plug a port.

Subject: Plugged one port.

Posted by [spkrman57](#) on Sun, 30 Jul 2006 16:10:30 GMT

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Used foam pieces that I keep around. That way I can just remove it with no ill effects. Sounds like what I will use for awhile. Thanks Wayne! Ron

Subject: Re: Plugged one port.

Posted by [Wayne Parham](#) on Sun, 30 Jul 2006 16:31:40 GMT

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Very good! That'll work!

Subject: Re: Plugged one port.

Posted by [colinhester](#) on Mon, 31 Jul 2006 00:40:26 GMT

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"Sounds like what I will use for awhile." I give it two days.....

Subject: Think I can't leave things alone for too long?

Posted by [spkrman57](#) on Mon, 31 Jul 2006 01:22:06 GMT

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Of course Colin, you may be right!!! Ron
