
Subject: Re: I'll get the 2206, but 2241H or 2242H?
Posted by [Adrian Mack](#) on Tue, 24 Feb 2004 09:09:06 GMT
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Hi AdkinsThe 2241 and 2242 are almost the same. Since the 2241 has a higher Qts, it doesn't form an EBS alignment if you want an F3 of 35Hz, but the 2242 will form a -3db shelf. There is nothing wrong with this, but I'm just pointing it out as you asked for the difference. Bass efficiency between the two are almost identical, with the -3db shelf reversed by the higher reference efficiency compared to the 2241, so the two are just about equal. The DBX 480 can do some neat things but it won't make up for a bad design. No electronics will, at least not fully. We won't have you do a bad design though, so you don't need to worry. I can't remember if you are going to use a super tweeter or not. My advice was not to use one, and instead employ compensation on the HF horn instead to have it reach 16KHz. If you do go down this route, the best suggestion I can give is to use the Pi Speakers passive crossover compensation network. I guess you could sort of simulate the curve using a graphic EQ to an extent, however the real crossover provides the exact slope needed. There is also an active version available. Don't be scared about the crossover, you won't be in it on your own. Members of this forum, including myself will give you whatever guidance or help you need. The 2241 can reach 25Hz as well if you EQ it. You can use a 250L box tuned at 25Hz. Parametric EQ centered at 25Hz with a Q of 0.7 and +4db boost will extend the anechoic F3 to 30Hz. Corner load it in an average sized living room, F3 will drop near to 20Hz.
Adrian
