Posted by Wayne Parham on Tue, 21 May 2002 03:10:35 GMT
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you're doing something like an EBS, which is not the best application for a 2226. The model that

Response is flat from (f3) 50Hz up, but has useful response to below 20Hz. It rises at 12dB/octave starting about 16Hz, so it can really go deep with room lift, and the slope is complementary.

response rise 6dB in the octave just under crossover to the tweeter. When it is placed in a room corner, then the rest of the audio range is forced into approximately the same directivity pattern, and this equalizes response. Floor placement against a back wall comes close.

response. It has flat response on-axis, even through the region where DI begins to narrow. This is because the midwoofer has falling power response that is roughly equal to its rising DI.

constrained space, the bass will be a little over-emphasized. Tuning is slightly underdamped, so it doesn't sound boomy when used in smaller rooms or placed in corners, but it is best used used in larger environments radiating into quarter-space.

One more thing I should mention is the fact that the JBL 2226 uses a shorting ring. This dramatically reduces distortion, especially at midrange frequencies above 100Hz.