Subject: Re: The Tuba 24 Compact  Folded Horn Sub.
Posted by Bill Fitzmaurice on Sun, 28 Mar 2004 12:27:42 GMT
View Forum Message <> Reply to Message

The horn Fc is around 60 Hz in half-space, below that radiation is primarily direct-radiator mode, though when boundary assisted in room the effective path length and mouth area is increased. The design is specifically intended for live pro-sound, where boundaries aren't usually present; within the horn passband boundary loading has little effect. On the other hand, since room loading will bring response below 60 Hz up to a reasonable level, the design is also viable for hi-fi/HT, though less than ideal. It's not a Labhorn, but at 24" cubed it was never intended to be.