
Subject: Re: One Pi Folded Horn

Posted by [GarMan](#) on Tue, 17 Feb 2004 19:48:52 GMT

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Shoot! Didn't think of that. Correct me if I'm wrong. Using the ratios provided in your PiAlign document, the horn mouth would be 18"x24", giving a total area of 432 sq in. $\text{Area} = ((\text{speed sound}/\text{freq})^2)/(4*\text{pi})$ However, because the horn sits on the floor, effective area doubles to 864 sq inch, giving me a cutoff of 130Hz. Does this mean that by putting the OnePi into a folded horn, it will end up having worst bass response? Only frequencies above 130Hz will be increased by the 3dB that the horn provides? Gar.
