
Subject: Anyone tried this or know of someone who has?

Posted by [mckenzie](#) on Mon, 25 Feb 2002 18:32:26 GMT

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I can think of two things that give efficiency gains as far as building construction goes. Bandpass boxes and horns, anyone tried making a bandpass box and then hornloading it? I have no idea how feasible this is. Mckenzie

Subject: Bandpass devices

Posted by [Wayne Parham](#) on Mon, 25 Feb 2002 20:03:39 GMT

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Basshorns are bandpass devices. Their rear chamber is tuned to resonate near F_c , to boost output where the horn starts to unload. The front chamber is also tuned and acts as a low-pass filter. The horn flare itself is a $1/4$ wave resonator that works over the passband of the horn. So basshorns, like bandpass boxes, employ front and rear resonators to achieve their intended results.