Subject: Re: How do you calculate the optimal back chamber size for a frontloaded bass horn?
Posted by Bill Fitzmaurice on Thu, 03 Jun 2004 10:31:02 GMT
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You have to be able to measure impedance. After the horn is complete mount the driver but leave the cabinet back off and run an impedance plot; there will be a peak at about 1/2 the driver Fs, which is the Fs(h). Put the cabinet back on and run another plot; that peak will ideally move up to the horn Fc. If it doesn't go up to the Fc the chamber is too big. If it goes above the Fc the chamber is too small.