
Subject: try to avoid operation below F_s

Posted by [Sam P.](#) on Thu, 04 Apr 2002 18:09:51 GMT

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as distortion will be increasing rapidly. To determine actual system F_b with a certain enclosure/port configuration, measure the frequency of the lower and upper z peaks. Those are F_l and F_h . Now seal the port, and determine F_c , the single z peak. $F_b = \text{sq.rt. } (F_l^2 + F_h^2 - F_c^2)$ Should be about where the dip was between the peaks when vented. Box plot advises keeping BELOW MACH 0.2 with your port velocity...if too high, as you noted, it can be audible under some conditions...Sam