
Subject: per weems, you

Posted by [Sam P.](#) on Sat, 27 Apr 2002 13:25:07 GMT

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need to identify three freq.s using a z plot test setup. The lower peak is F_l , the upper peak is F_h , assuming a vented reflex enclosure. Then F_c , a single peak is found with the port sealed. $F_b = \text{sq.rt.}[F_l^2 + F_h^2 - F_c^2]$ F_b is the box tuning of the whole system, after all is said and done. A 'scope can also be used, the ellipse will go into a flat line at F_b . Of course, your accuracy depend upon your sig gen calibration, that's life...but the sig gen cal can be verified against line freq (60Hz), so how far off will you be to either side...not much. Sam