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Subject: EBS or "shelved" alignments

Posted by [Wayne Parham](#) on Fri, 17 May 2002 07:48:45 GMT

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Shelved or stepped response This would be the so-called EBS alignment, where the tuning frequency is set very low and peaked so that a shelf is formed. It provides flat response down to  $f_h$ , and then response is reduced but relatively flat below  $f_h$  down to  $f_l$ . That's why it requires increased power and is why guys today call it an "Extended Bass Response" or EBS alignment. Apparently Electrovoice called it "Step Down" and I called it "EBS Stepped Response from ported cabinet with specific peaking." This and other characteristic response curves are shown in a post called "Response curves of closed vs. vented systems."

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