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Subject: Re: Is it my imagination that the Stage 4 Pis lack midrange?

Posted by [ToFo](#) on Sat, 29 Jan 2005 01:35:22 GMT

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Hi James! I run a Behringer DEQ2496 which includes an RTA and measuring mic. It shows + or - 2 dB from 115hz to 12,500hz (with the EQ off) at the listening position (in room). I make no particular claim to accuracy, but with modern digital gear and calibrated mics the accuracy is quite good. For the record, my present setup has the exact PI crossover. It is also cool that with judicious EQing I have 30 to 20K flat to 100 dB with a 40 watt Crown D-75A! Also consider that the Delta 15 has a thin light cone which means the cone is flexible at higher frequencies, so the total mass and size doesn't prevent the higher frequencies. With strong paper and at the associated moderate power levels this is usually an asset as I believe is the case here. This is why they don't shut down at 1000Hz like the Magnum or Kilomax. As for the HF driver its 2" once you get down into the guts. Horns load that light diaphragm to make it "feel" bigger and heavier, but up high the throat is too big to resist that huge honkin' magnet, yet small enough not to cancel out the top octave. So you still get enough top end. Most bigger drivers have no good top end. Enjoy 'em! Thomas

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