
Subject: Re: 4 pi speakers + 3 pi subwoofers, pics & measurements

Posted by [vandevoordekoen](#) on Thu, 04 Jun 2015 15:53:42 GMT

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Hello,

I can't say the speakers sound like there is no tweeter at all. Neither can I say that the HF are "sparkling", but maybe that's not necessary.

To test the measurement system, I measured the HF signal 3 times: with and without USB audio card + using 2 different mics (ECM8000 and TASCAM DR-1 (TASCAM is not great but no garbage either)). The following overlap gives an idea:

Red line = TASCAM mic directly connected with laptop (mic-in)

Green line = TASCAM mic connected to the USB audio card (M-audio Fast Track)

Blue line = ECM8000 mic connected to the USB audio card (M-audio Fast Track) WITHOUT .cal-file

Red and Green line are approximately the same. The Fast track isn't the weak link.

The ECM8000 measurement without .cal file gives approximately the same result. So the .cal file is corrupted IMHO.

Just to give an idea, these are the same measurements, WITH .cal file applied for the ECM8000 mic

Looking at the first overlap, I see a 5db to 10db roll-off. But this might be normal? Aaaargh, it's driving me a little crazy, honestly.

Would it be the amp?

File Attachments

1) [vergelijking.jpg](#), downloaded 3531 times

2) [vergelijking_met_cal.jpg](#), downloaded 3668 times
