
Subject: Re: Software for optimizing multi sub parameters

Posted by [Jag768](#) on Sun, 16 Aug 2015 15:29:02 GMT

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Andy C was so kind as to provide me with his program. He has put quite some effort in it, and that worked out really well. It works by importing dual channel measurements of 5 listening positions of the 4 subs and mains separately. It took me a couple runs to get it right. After entering all values into my Hypex DSPs, I did a measurement to check the accuracy of the simulation and it turned out quite accurate.

Main listening position simulated and measured (had to move mic in between):

Position 5 (left mic standing at same spot):

I'm very pleased with the results, it worked better for me than doing it by trial and error myself. The LF sounds well controlled now and when needed powerful. And there's much less variation when you walk through the room.

The red trace is the main listening positions. The four other traces are the other positions

File Attachments

- 1) [Pos1_all.png](#), downloaded 6156 times
 - 2) [Pos1_all_simulated.png](#), downloaded 6203 times
 - 3) [Pos5_all.png](#), downloaded 6153 times
 - 4) [Pos5_all_simulated.png](#), downloaded 6173 times
 - 5) [Multisub_optimizer.png](#), downloaded 6191 times
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