Subject: Re: Ultimate Dipole Line Array
Posted by AudioFred on Tue, 04 Oct 2011 14:01:21 GMT
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But you don't listen to a line array at one meter. The listening position distance should be at least the length of the array, and ideally more than that. So here's the same in-room response of the twelve woofer array measured at the sofa, which is ten feet from the speakers. You can still see the 5-6khz peak, but the overall response is much smoother at this distance.

It is now possible to see how you could include a tweeter that would integrate fairly well with this array, but it's obvious it will need a low fs for a crossover frequency no higher than 2khz, it will have to be fairly efficient to match the woofer arrays's sensitivity, and you will need to use a higher order crossover to get it to play fairly loudly down to the crossover frequency.

File Attachments

1) SonyArray3meters.bmp, downloaded 8531 times