Subject: Re: Ultimate Dipole Line Array
Posted by AudioFred on Tue, 04 Oct 2011 13:51:23 GMT
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Got them all together, and I'm pleased with the sound considering they cost about $100 to build. I also did some measurements, which are critical in designing a crossover. When you're talking "line array" you can forget about using a crossover design program, because woofers behave very differently when they are arranged in an array versus a point source.

Here's the in-room frequency response of one woofer measured at one meter. It's the one directly below the tweeter. No other drivers are connected. Notice the peak between 5 and 6khz. Any crossover you designed for this woofer would have to attenuate that peak.

File Attachments

1) SonyOne.bmp, downloaded 8867 times