Subject: Re: Pictures
Posted by Adrian Mack on Sat, 24 Apr 2004 05:26:57 GMT
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Starting at the 15" 2225H driver, it is 97db 1w/1m in its bass reflex box. The midrange horn is about ~104.5db 1w/1m. The compresion driver HF horn is something like 109db or 110db 1w/1m, after top octave HF compensation, it is padded to 100db 1w/1m or so. The midrange horn is also going to be padded down to 100db 1w/1m - a passive crossover is used so I have to pad both subsystems. Crossover point is going to be about 1.8KHz or 2KHz. Crossover between 15" 2225 and midrange horn is active at 300Hz, so it doesn't matter than the sensitivity of the 15" is a little bit lower, the gains are set and matched at the amplifier. Lower F3 is 70Hz and it reaches to 16KHz on the top end. If the 2225 is replaced with a 2235 and the tuning altered a little bit, the low end F3 could easily reach 30Hz or 35Hz, but I didn't use that driver. I'm using an Eminence Alpha 6 driver on the midrange horn and it works well, I optimized the midrange horn for this driver. The HF horns I used are JBL 2370's, although there's many different horns that could be used here, just like the compression driver. I used the P.Audio PA-D45 compression drivers, but theres a whole range that will work.