Subject: Re: Three 4Pi's in Basic Black for Home Theater Build Thread
Posted by Wayne Parham on Mon, 12 Jul 2010 14:51:54 GMT
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Oh my, it looks like the screen has introduced ripple of about 5dB between 3kHz and 10kHz, as much as 10dB between 4kHz and 5kHz. From that, I would guess the screen is fairly reflective, not fully transparent acoustically. Those peaks and dips look like self-interference from the reflection.

I think I would almost prefer a slightly more absorbent material because even though it would attenuate the sound, perhaps needing a smidge of EQ, it may not introduce that much ripple. Any other options? Have you measured other materials? I might be inclined to even try various fabrics to see what I could come up with.

As for the brushed edge on the 2226, I'd just use some flat black enamel and apply it with a small paint brush. You can get it at any hobby shop, the little bottles of paint used by model builders would work great.