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Subject: Re: Supertweeters?

Posted by [Wayne Parham](#) on Fri, 22 May 2015 16:10:30 GMT

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I have done that, and it does add "sparkle." But I don't like the fact that there's no-way to get summing right through the 90°x40° pattern. The wavelengths are too small and the distances between sound sources too great. So the top octave is a mess.

That said, it's dense interference up there. It's not like it forms discrete modes large enough to detect. They're all tiny little pockets of energy modes, with the direct sound being just like the reverberent field. So it's not like the interference is audible.

Still, I'd prefer to use a compression driver that reaches higher into the top octave than to use a supertweeter. There are some drivers with beryllium diaphragms that reach above 20kHz.

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