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Subject: Re: Wayne, compensation question please  
Posted by [Wayne Parham](#) on Wed, 13 Nov 2002 06:17:36 GMT  
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You've assessed the situation pretty accurately - The Peavey CH-3 has a little less in the bottom octave than the 2370. But they're really more similar than you might expect, particularly if a person uses them above 1.6kHz. For the octave below that, the slightly larger size of the 2370 gives a bit more energy and prevents it from being as peaky as smaller horns. One thing that differentiates the 2370 from the horns I like to use is that it's the only one with a secondary acoustic device in addition to the horn flare. The 2370 has a diffraction slot to increase horizontal dispersion at the highest frequencies. It creates wider dispersion at the expense of an added internal reflection, which causes a slight bit of impedance and response ripple. That's the cause of its "splashy" sound.

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