

Innersound Kaya, Kachina, and Tehya Hybrid Electrostatic Speakers - iPower 750 and iPower 330 Power Amplifiers

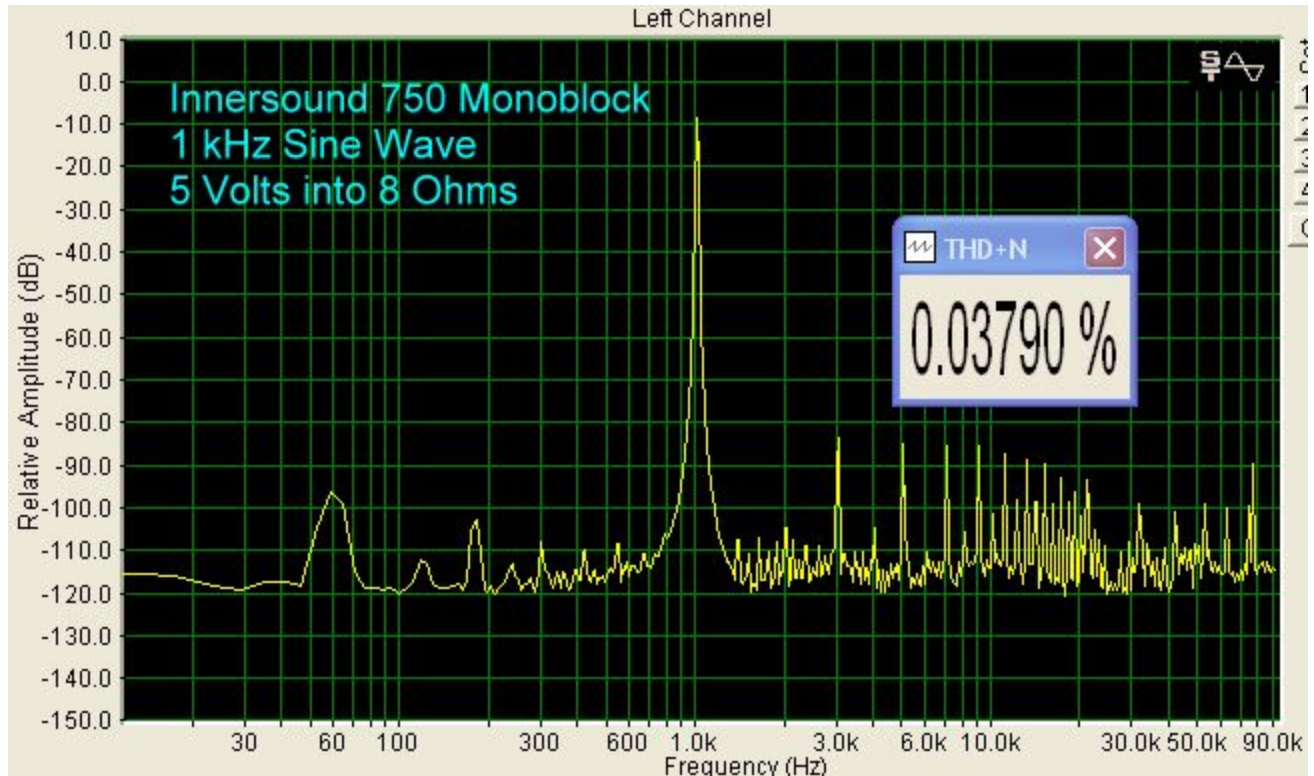
Part III

May, 2005

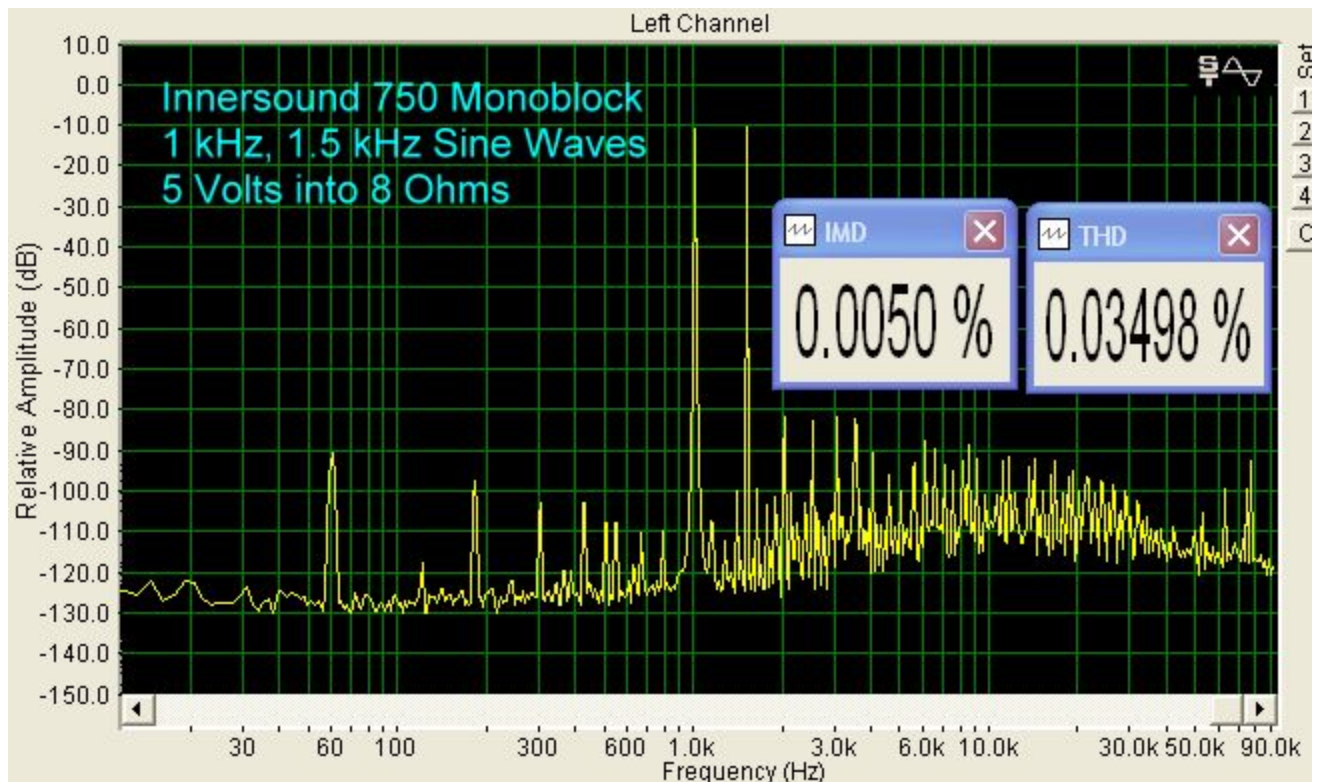
John E. Johnson, Jr.

The Amplifiers

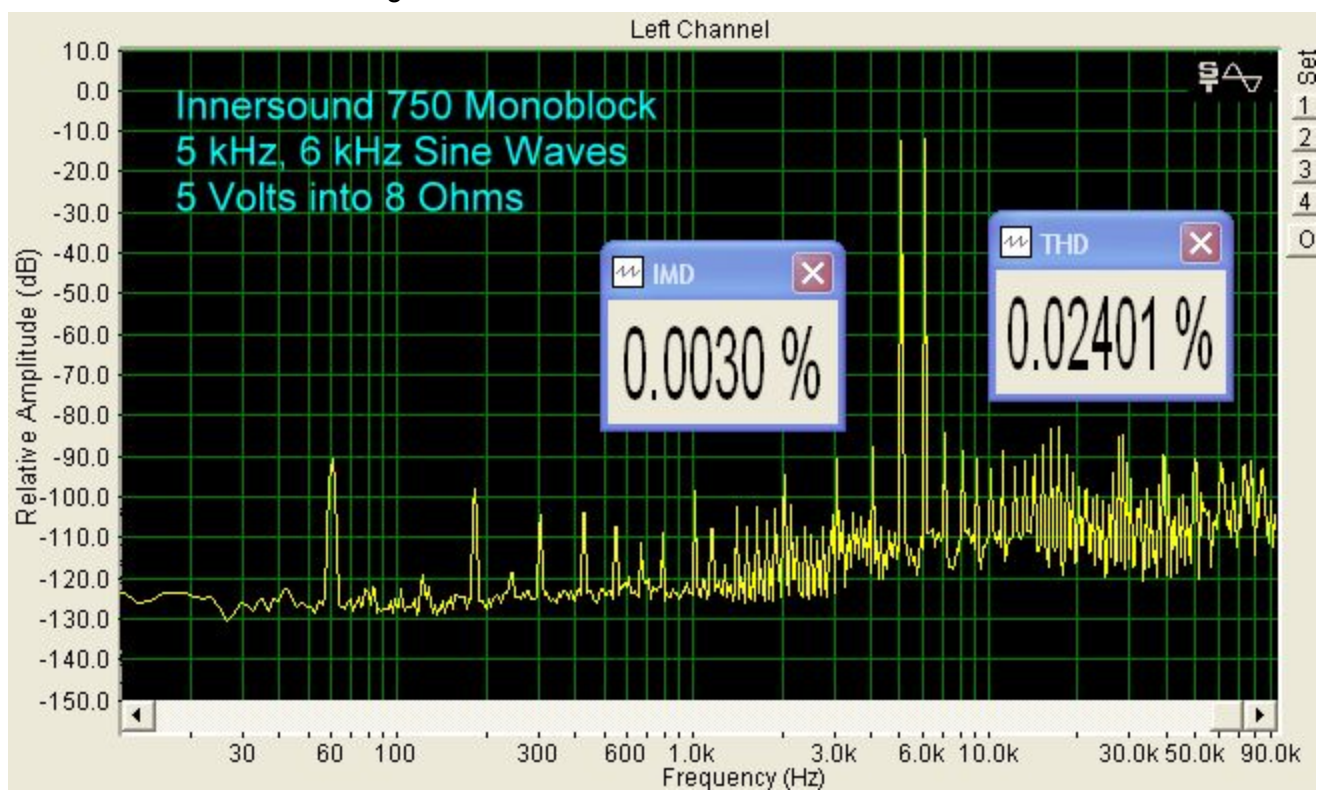
At 1 kHz, THD was less than 0.04%, close to the specifications.



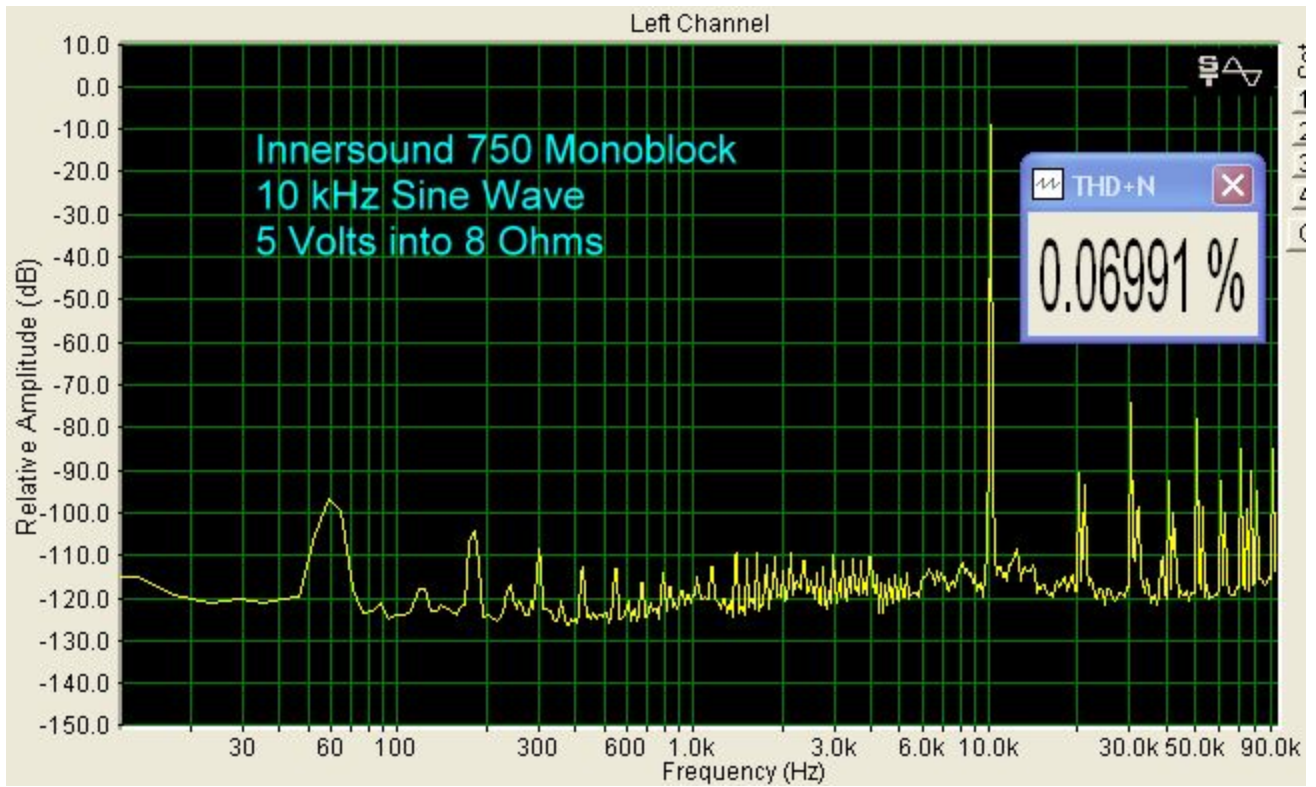
IMD, using 1 kHz and 1.5 kHz sine waves, was a very low 0.005%



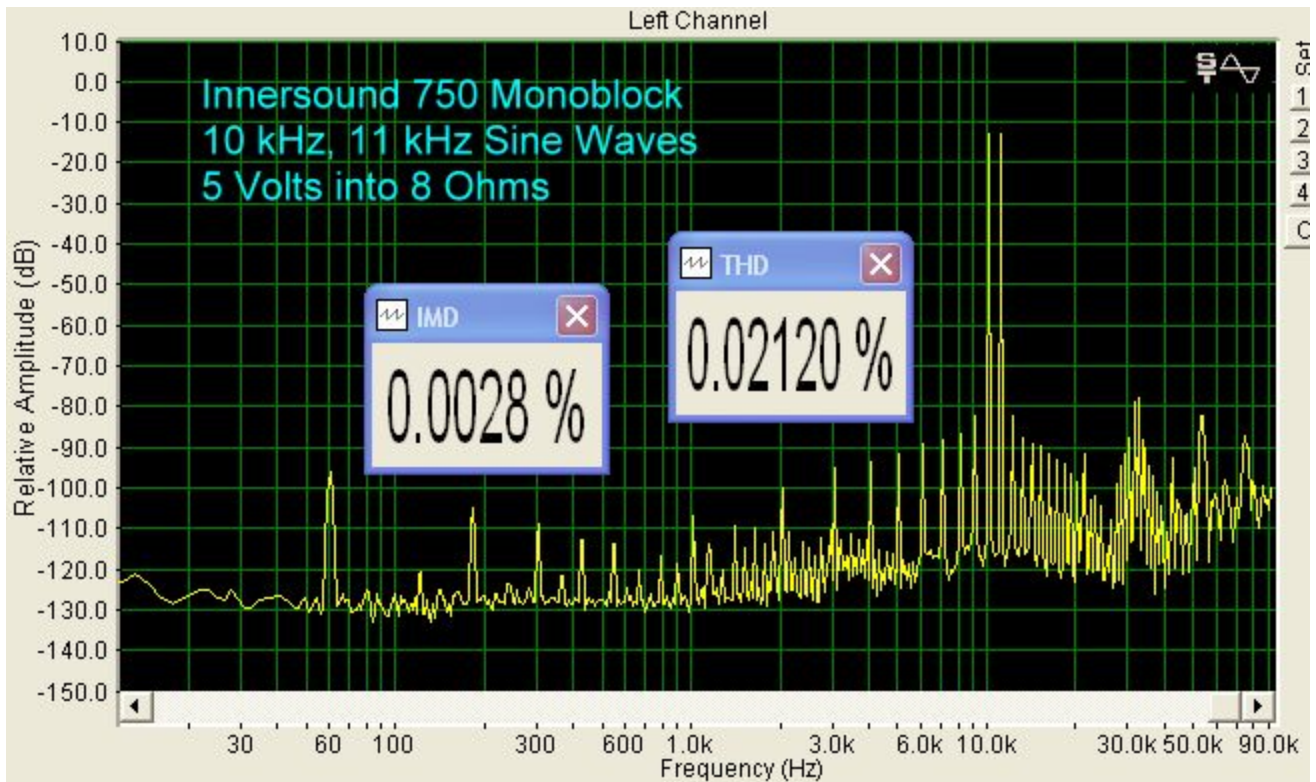
5 kHz and 6 kHz sine wave signals also resulted in low IMD.



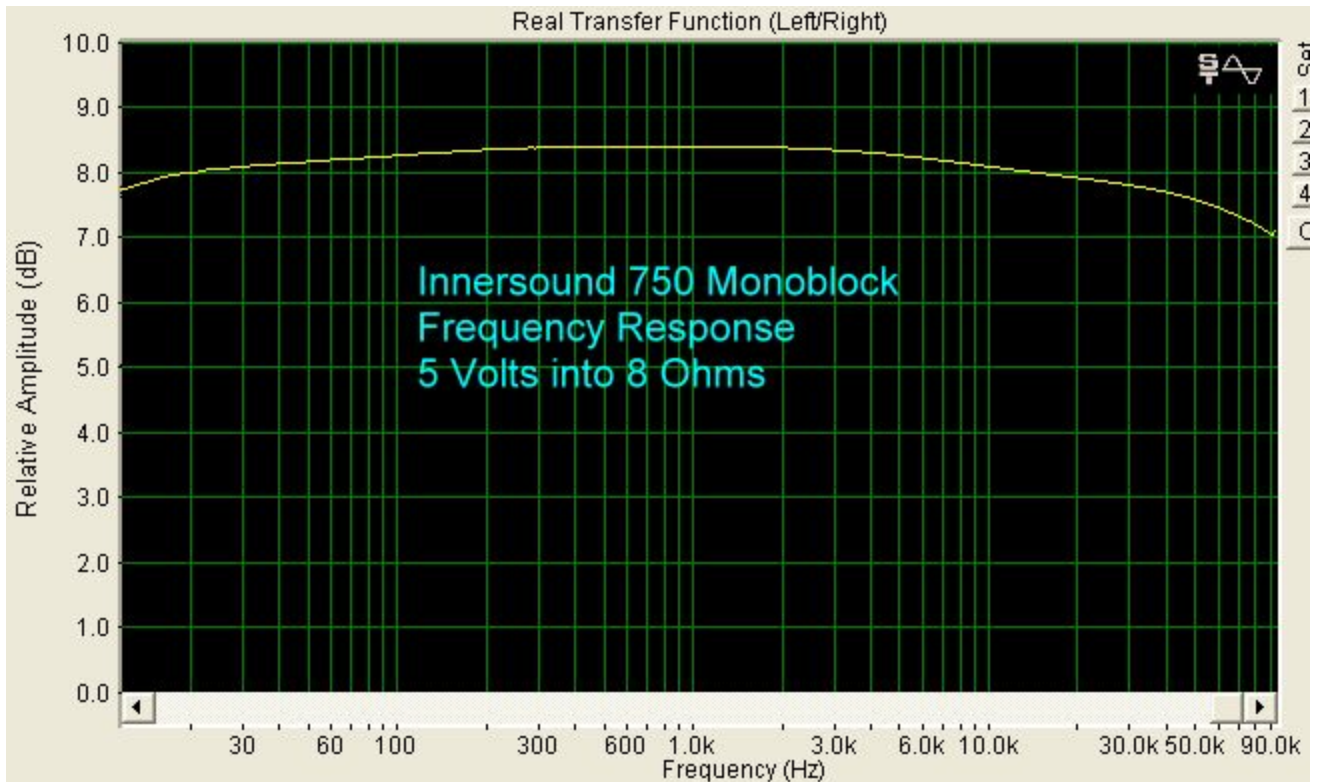
At 10 kHz, THD was a bit higher, but still close to spec.



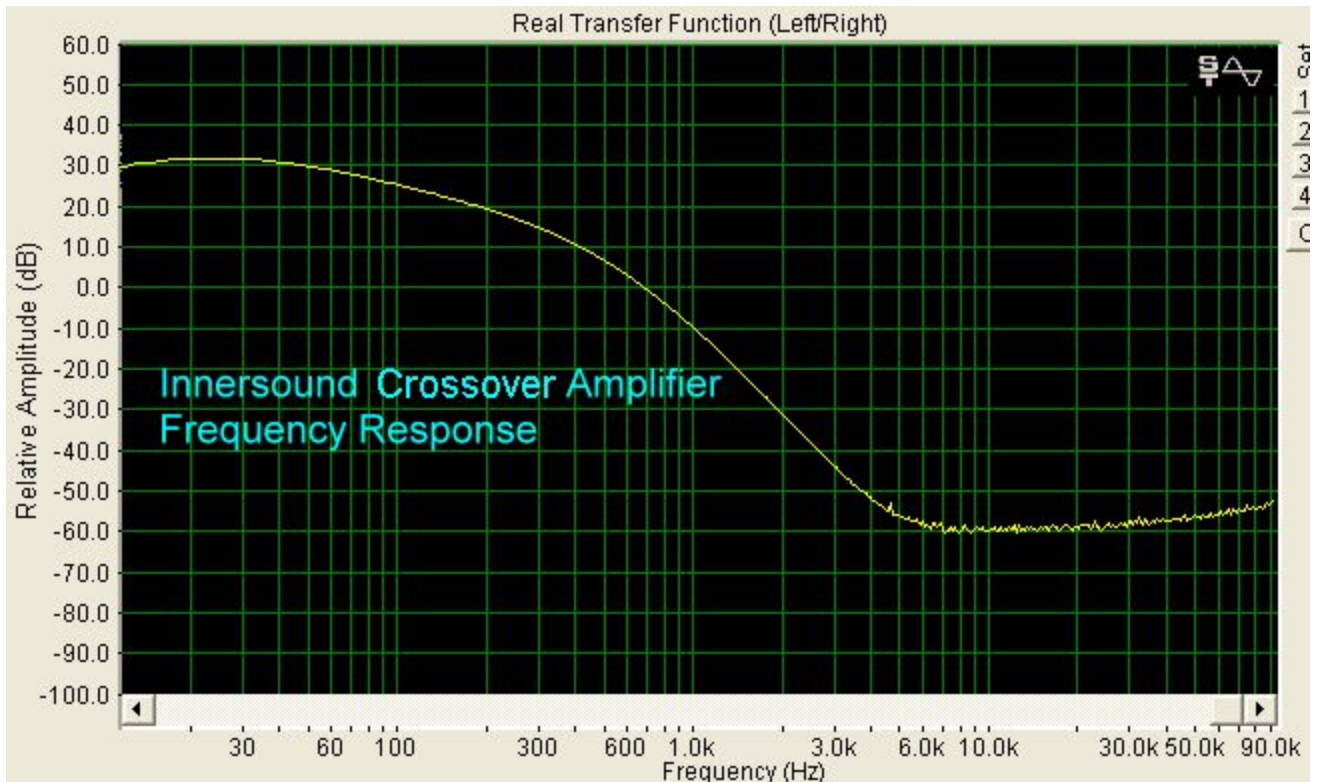
IMD from 10 kHz and 11 kHz sine wave signals was, again, low, at less than 0.003%.



The measured frequency response of the iPower 750 was 20 Hz - 20 kHz \pm 0.25 dB.



The frequency response for the crossover amplifier is shown below. It is designed specifically for the woofers in the Kaya, and rolls off rapidly.



Conclusions

Innersound has outdone themselves with the Kaya, Kachina, and Tehya hybrid speakers, as well as the iPower amplifiers. The sound is about as good as it gets. Clarity, detail, accuracy - these are all terms that can be applied here.

I can't think of a single negative with this package except for the cost, but that is the same for any great product.