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Posted by [Wayne Parham](#) on Sun, 21 Oct 2007 18:56:15 GMT

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23.7v for 200 watts, 33.5v for 400 watts, 47.3v for 800 watts and 66.9v for 1600 watts.

Next, we measured output at 28.3v. Since we measured 10 meters away, the values correspond to 2.83v/1M.

The blue line is SPL, and the violet line shows distortion. Since measurement was taken at 10 meters, add 20dB to find SPL at 1 meter. With 100 watts input, the 10 meter measurement works out the same as 1 watt input measured at a distance of 1 meter.

From this, we perform an inverse FFT to obtain impulse and step response:

Measurement at 100 watts:

Measurement at 200 watts:

Measurement at 400 watts:

Measurement at 800 watts:

Measurement at 1600 watts:

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