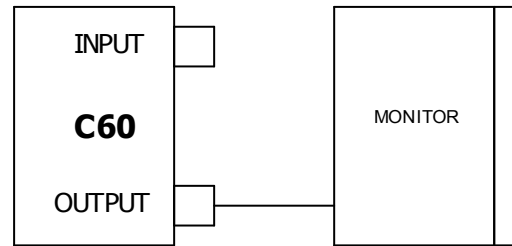


# AN009 - C60 Application Note

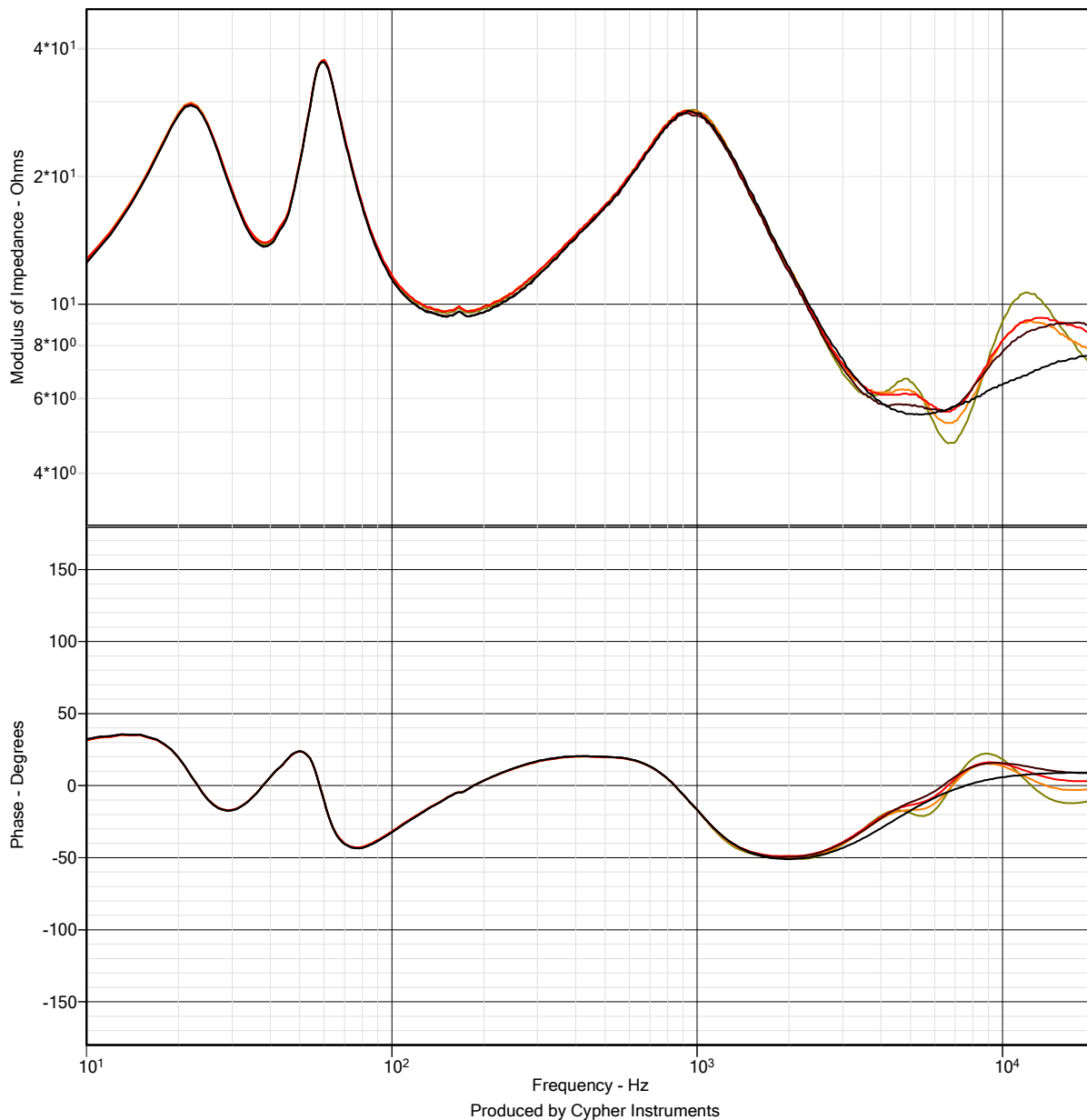
## Acoustic transducer – complex impedance

The **impedance response** of a studio monitor (a loud speaker) was plotted. This unit has a passive treble control, which causes the impedance variation above 4KHz. The impedance and phase responses vary considerably, presenting an 'interesting' reactive load for the power amplifier.



**Figure 1. Connection diagram**

Studio monitor with tone control



**Figure 2. Impedance of a loud speaker**