

Figure 1. Audio Mixer Circuit in LT-Spice

Gain (dB) vs. Frequency (Hz) of Audio Mixer Circuit

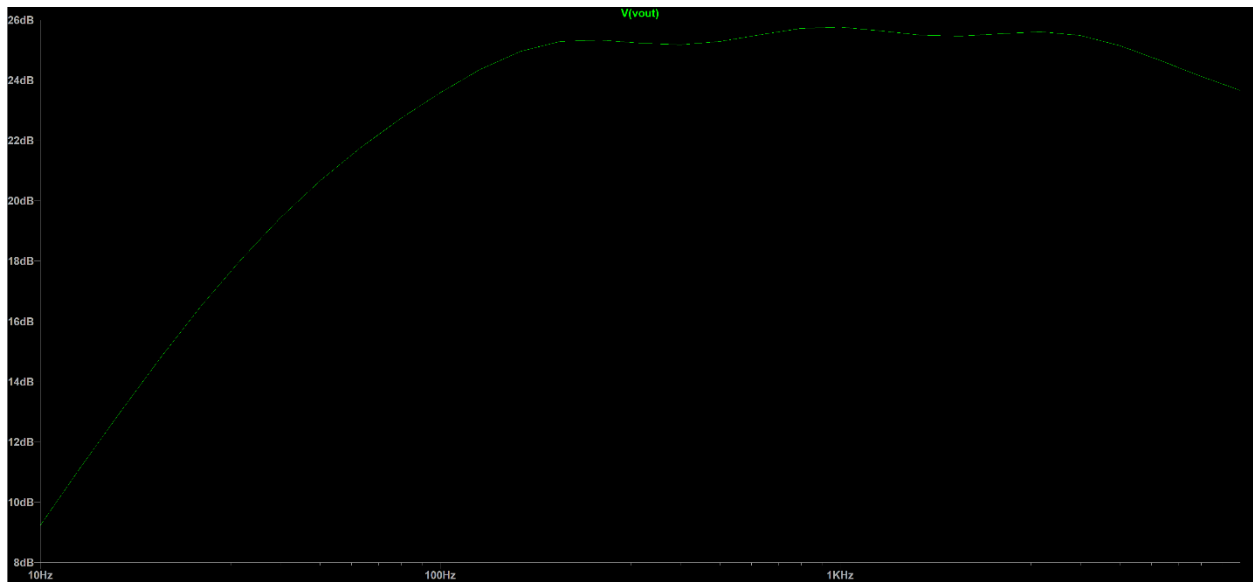


Figure 2. Bode Plot when all potentiometers are set to 75%
{Axes: x: Frequency (Hz), y: Gain (dB)}

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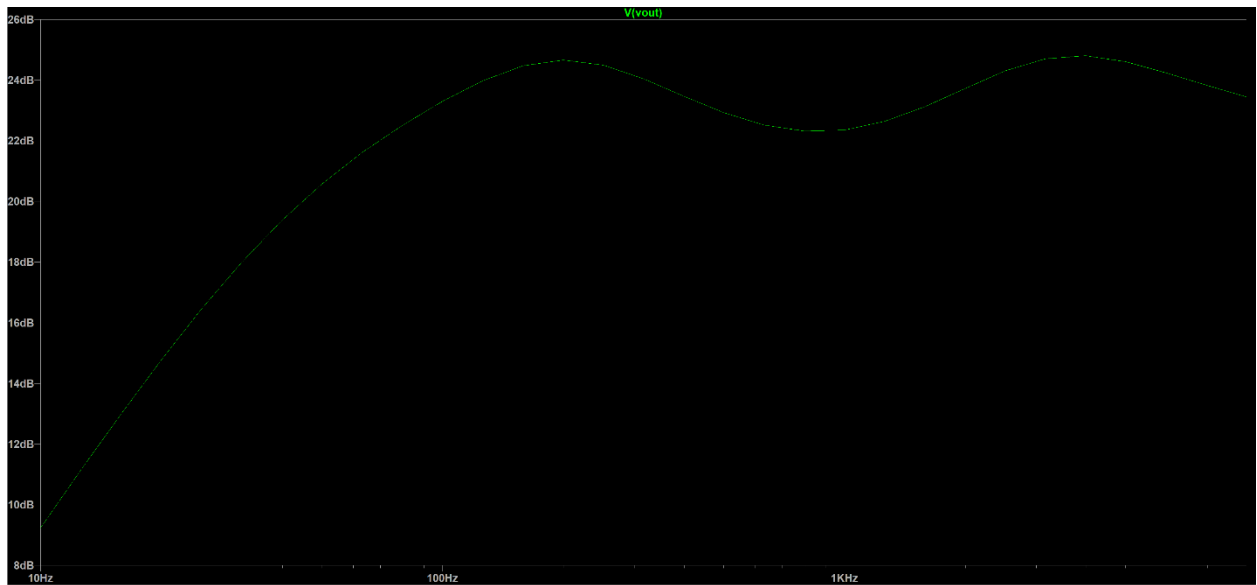


Figure 3. Bode Plot when the 1K potentiometers is set to 25%
{Axes: x: Frequency (Hz), y: Gain (dB)}

Figure 2 shows three peaks at the three filter frequencies, whereas figure 3 shows that independently manipulating one of the potentiometers affects the gain around that center frequency.