EE 40 PROJECT 1: AN AUDIO AMPLIFIER

Part 2: Audio Amplifier

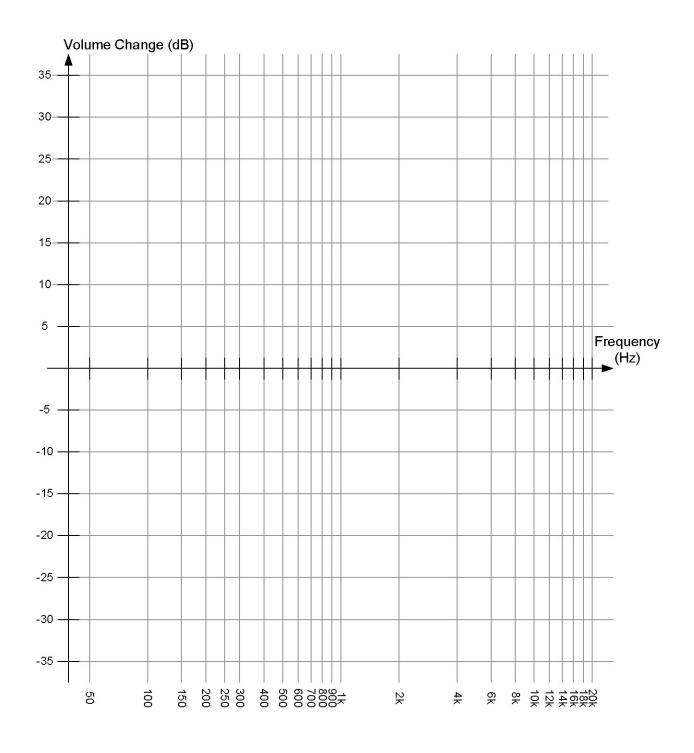
Report

1	Audio An	np Stage Build y	our audio	amp.	When	you are	satisfied	with your	circuit,	plug ir	1
your	audio device	and your headphone	s and pow	er it up.	Play	with the	e volume	knob. Ho	ow does	it soun	ď
You	need at least	4 sentences here.									

2 Tone Control Circuit Build the tone control circuit. Once you have this built, reconnect your audio player and power it up. Play with the volume, bass, and treble knobs. How does it sound? Write at least 2 sentences here.

3 Measuring the Transfer Function Set the treble, bass, and volume knobs to something interesting (not a flat response – distort it slightly). Set up the signal generator and oscilloscope as described in the lab guide, and measure the transfer function.

Frequency (Hz)	V_{in}	V_{out}	dB
50			
100			
150			
200			
250			
300			
400			
500			
600			
700			
800			
900			
1k			
2k			
4k			
6k			
8k			
10k			
12k			
14k			
16k			
18k			
20k			



REVISI	ON HIST	ORY					
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REVISION HISTORY			
	Name	Date	Note
	David Lin	7/28/05	Revised Fall 2004 audio amplifier project for use with <12V supply and summer schedule.