

ECE 3 Lab 2 Prelab

Lawrence Liu

April 14, 2022

100Hz Measurments

Waveform	Theoretical V_{RMS}	Scope Measur- ments V_{RMS}	Voltmeter Measurments V_{RMS}	Diffrence (%)
Sine	1.77V	1.7639V	1.7645V	-0.034%
Triangle	1.44V	1.4325V	1.4378V	-0.369%
Square	2.5V	2.4932V	2.4823V	0.439%

1KHz Measurments

Waveform	Theoretical V_{RMS}	Scope Measur- ments V_{RMS}	Voltmeter Measurments V_{RMS}	Diffrence (%)
Sine	1.77V	1.7639V	1.7645V	-0.034%
Triangle	1.44V	1.4325V	1.4378V	-0.369%
Square	2.5V	2.4932V	2.4823V	0.439%