VE215 Lab_4 AC Lab

Data Sheet

Name: Date:					
Part I.					
Turt I.		Set on Function Generator		Measured with Oscilloscope	
Amplitude in Vpp [V]				r	
	uency [kHz]				
Rise Time [µs]					
Amplitude in Vpp [V]					
_	uency [kHz]				
Ris	e Time [μs]				
		Table 1. Rise Time	Measure	ment	
Part II.					
	wave at 3 [Vpp				
Peak	Frequency (measured) [kHz]		An	Amplitude (measured) [dBV]	
f_0					
		Table 2. FFT spectrui	1		
Peak	Frequency (measured) [kHz]		An	Amplitude (measured) [dBV]	
f_0					
$3f_0$					
$5f_0$					
$7f_0$					
$9f_0$		11 0 555	<u> </u>		
·· · · · · · · ·		able 3. FFT spectrum	for Squa	are Wave	
	e wave at 6 [Vpr		Δ		
Peak	Frequency	(measured) [kHz]	An	nplitude (measured) [dBV]	
f_0		Table 2 EET anactmu	n for Cin	A WAYA	
Peak	Table 2. FFT spectrum for Sine wave Frequency (measured) [kHz] Amplitude (measured) [dBV]				
	Frequency	(illeasureu) [KHZ]	All	inpirtude (measured) [db v]	
f_0 $3f_0$					
$5f_0$					
$7f_0$					
$9f_0$					

Table 3. FFT spectrum for Square Wave