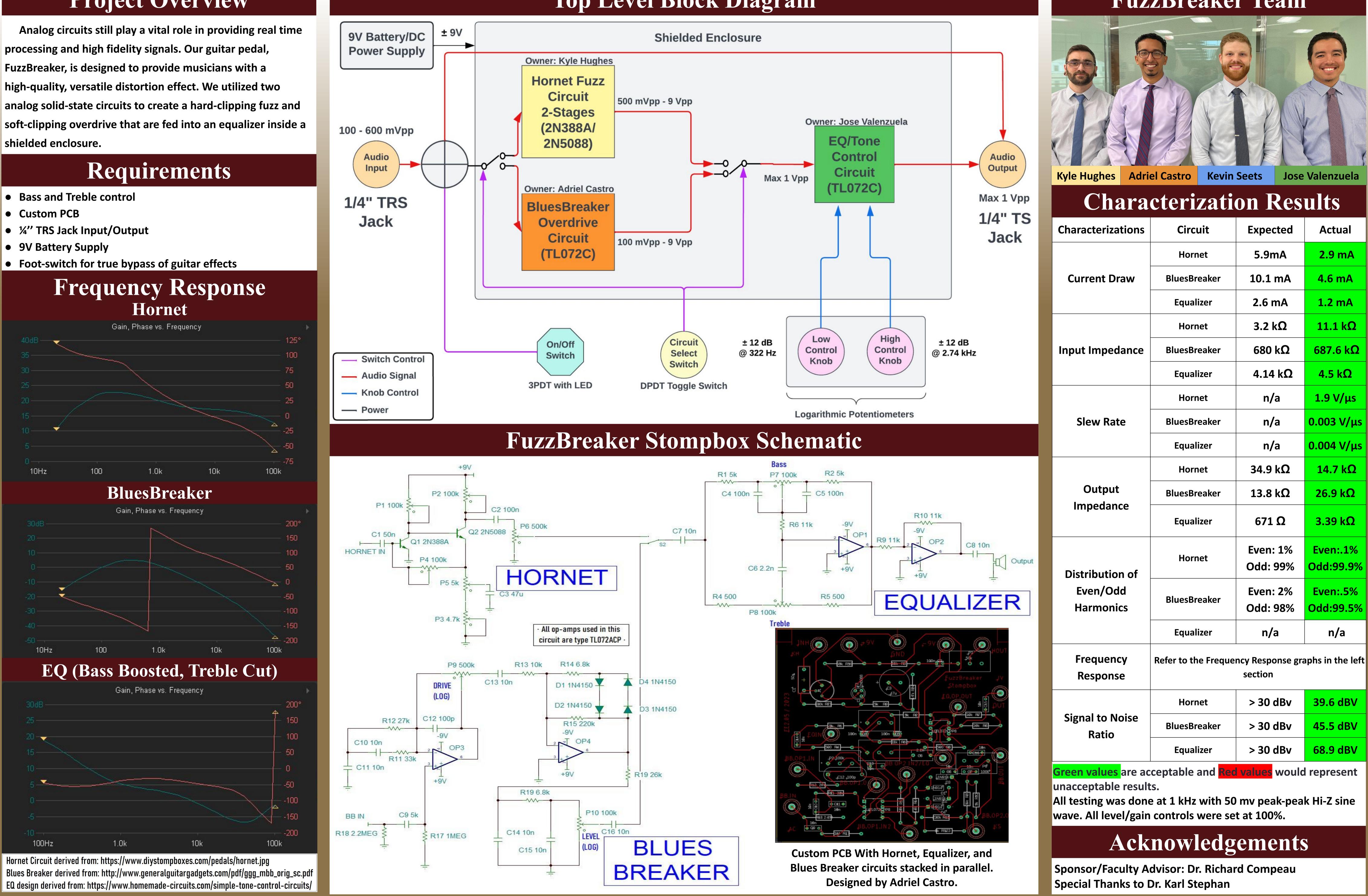


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Project Overview

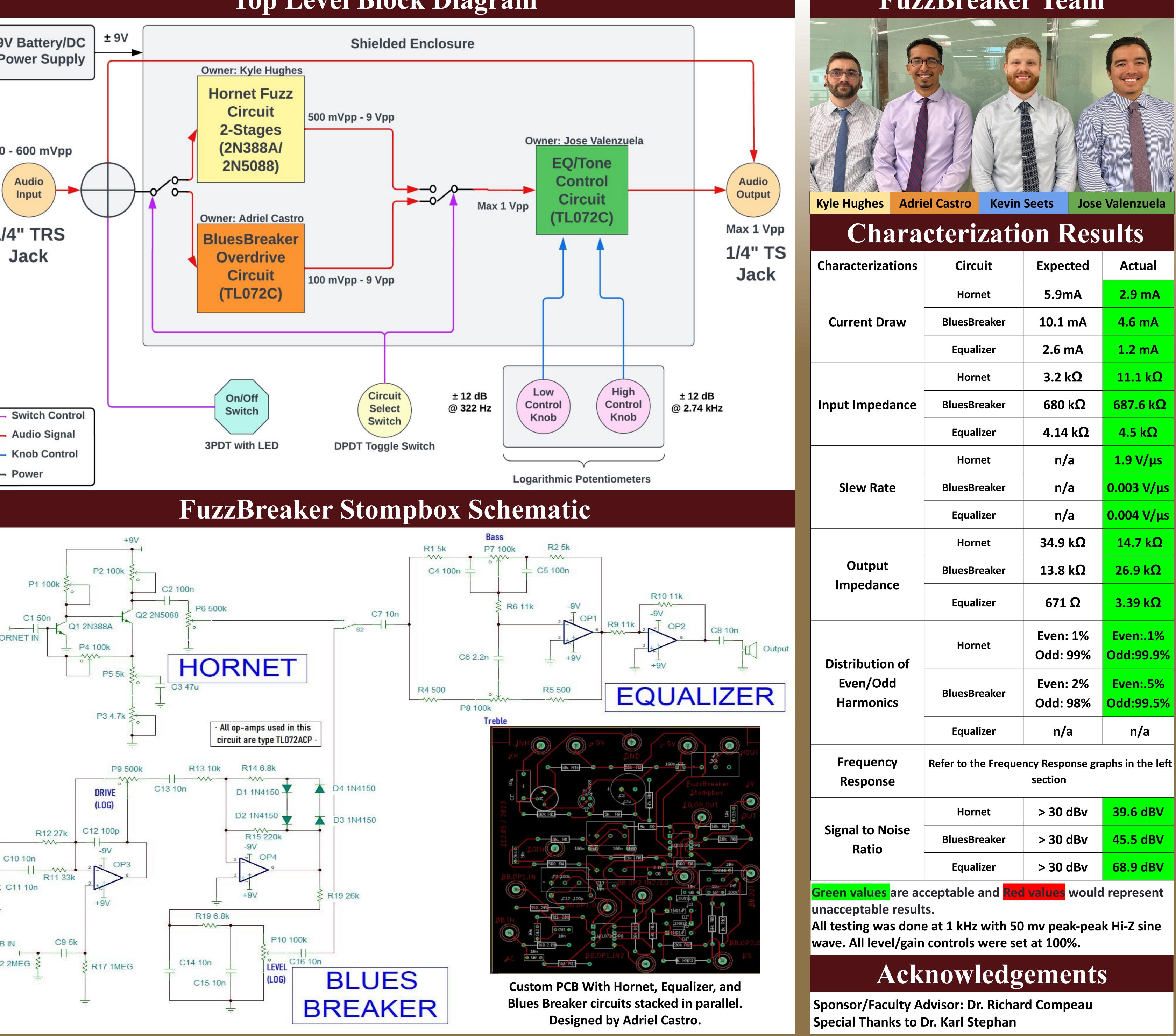
Analog circuits still play a vital role in providing real time



E2.05 - FuzzBreaker Stompbox

Kevin Seets (PM), Adriel Castro, Kyle Hughes, Jose Valenzuela

Top Level Block Diagram





FuzzBreaker Team

	Circuit	LAPECIEU	Actual	
	Hornet	5.9mA	2.9 mA	
urrent Draw	BluesBreaker	10.1 mA	4.6 mA	
	Equalizer	2.6 mA	1.2 mA	
ut Impedance	Hornet	3.2 kΩ	11.1 kΩ	
	BluesBreaker	680 kΩ	687.6 kΩ	
	Equalizer	4.14 kΩ	4.5 kΩ	
Slew Rate	Hornet	n/a	1.9 V/μs	
	BluesBreaker	n/a	0.003 V/µs	
	Equalizer	n/a	0.004 V/µs	
Output Impedance	Hornet	34.9 kΩ	14.7 kΩ	
	BluesBreaker	13.8 kΩ	26.9 kΩ	
	Equalizer	671 Ω	3.39 kΩ	
istribution of Even/Odd Harmonics	Hornet	Even: 1% Odd: 99%	Even:.1% Odd:99.9%	
	BluesBreaker	Even: 2% Odd: 98%	Even:.5% Odd:99.5%	
	Equalizer	n/a	n/a	
Frequency	Refer to the Frequency Response graphs in the left			

Response	section		
gnal to Noise Ratio	Hornet	> 30 dBv	39.6 dBV
	BluesBreaker	> 30 dBv	45.5 dBV
	Equalizer	> 30 dBv	68.9 dBV