

Lab 1 Test Signals

There are five different possible set of test signals. The variant magic number is display on the bottom right corner. Note that the values shown in here are approximate. They will vary slightly from module to module.

Test Signal	1	2	3	4	5
1 - DC	0.6V	1.2V	3.1V	2.6V	1.8V
2 – Sine wave	Freq 440Hz 0.4Vpk-pk offset 0.5V	Freq 25kHz 0.4Vpk-pk offset 1.0V	Freq 2kHz 0.4Vpk-pk offset 1.5V	Freq 11kHz 0.4Vpk-pk offset 2.0V	Freq 75Hz 0.4Vpk-pk offset 2.5V
3 – Clock signal	Freq 17.5kHz	Freq 150Hz	Freq 3300Hz	Freq 13.5kHz	Freq 8000Hz
4 – PWM signal	Freq 8000Hz Duty cycle 15%	Freq 400Hz Duty cycle 35%	Freq 2200Hz Duty cycle 55%	Freq 1500Hz Duty cycle 85%	Freq 21kHz Duty cycle 60%
5 = Exponential signal	Freq 6Hz TC 3.3ms	Freq 18Hz TC 1.7ms	Freq 40Hz TC 1ms	Freq 175Hz TC 286us	Freq 800Hz TC 88us
6 – UART message	Baudrate 600 Parity none "DOG"	Baudrate 1200 Parity odd "SOB"	Baudrate 2400 Parity even "GOD"	Baudrate 9600 Parity odd "MOB"	Baudrate 19200 Parity even "JOB"