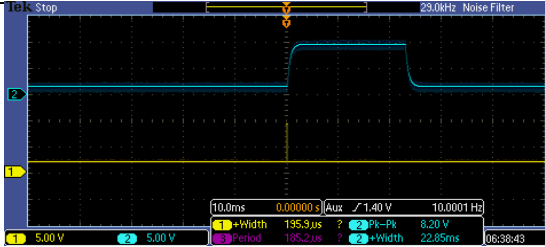
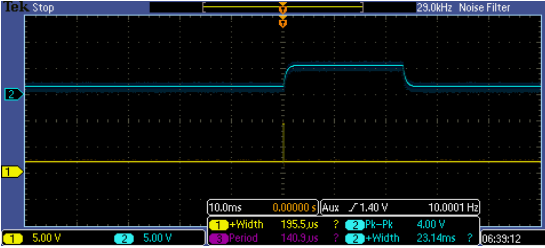
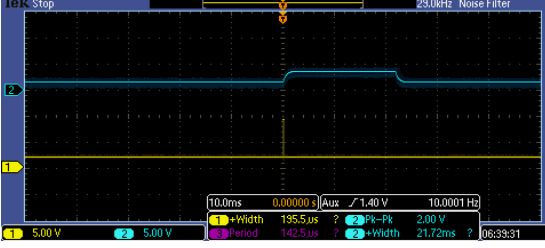
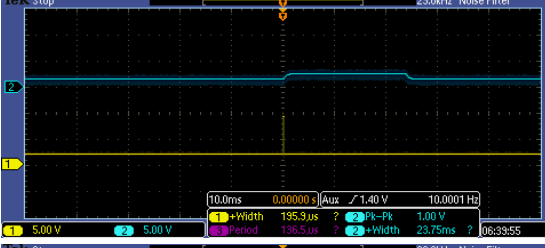
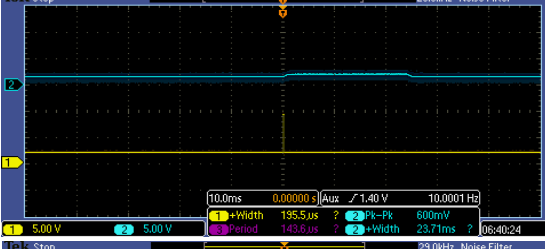
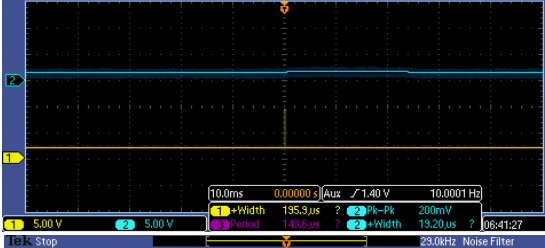
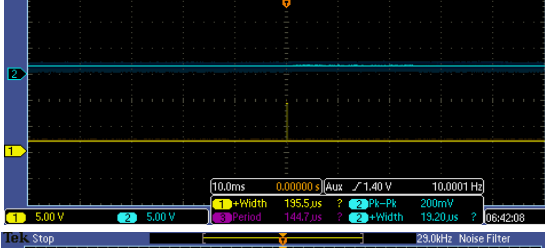
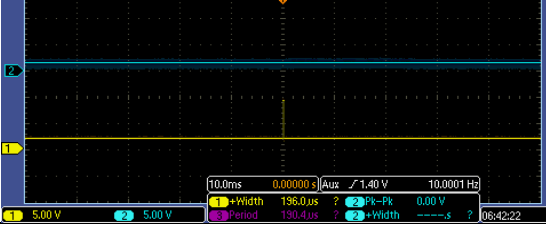


Tek Filename Suffix	Filter Length	Pulse Width (mS)	Pulse Type	Filter Setting	Scope Traces	Notes
TEK00079.PNG	0	0.2	Pulse with small offset	0		No filtering with 200 μs pulse. The pulse contributes a full 8.2 V to the Peak Output.
TEK00080.PNG	2	0.2	Pulse with small offset	1		Filter length = 2 with 200 μs input pulse. The pulse now contributes 4.0 V to the Peak Output.
TEK00081.PNG	4	0.2	Pulse with small offset	2		Filter length = 4 with 200 μs input pulse. The pulse now contributes 2.0 V to the Peak Output.
TEK00082.PNG	8	0.2	Pulse with small offset	3		Filter length = 8 with 200 μs input pulse. The pulse now contributes 1.0 V to the Peak Output.
TEK00083.PNG	16	0.2	Pulse with small offset	4		Filter length = 16 with 200 μs input pulse. The pulse now contributes 0.6 V to the Peak Output.
TEK00086.PNG	32	0.2	Pulse with small offset	5		Filter length = 32 with 200 μs input pulse. The pulse contributes 0.2 V to the Peak Output.
TEK00087.PNG	64	0.2	Pulse with small offset	6		Filter length = 64 with 200 μs input pulse. The pulse contributes 0.2 V to the Peak Output.
TEK00088.PNG	128	0.2	Pulse with small offset	7		Filter length = 128 with 200 μs input pulse. The pulse contributes 0.2 V to the Peak Output.

The above sequence shows the effect of the filter setting on the contribution of a 200μs pulse to the captured peak output. This shows that by increasing the filter length one can reduce or eliminate the effects of shorter pulses.