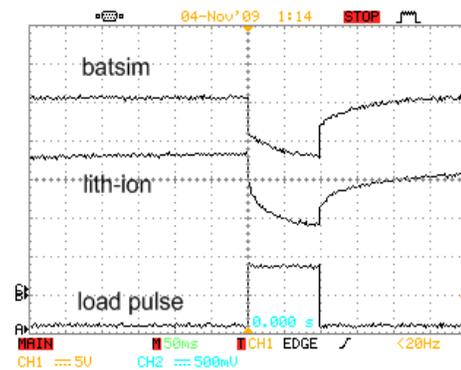
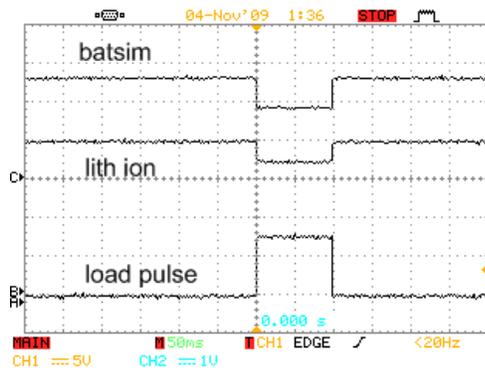




here can simulate different battery chemistries and sizes. By omitting C4 and replacing R-ESR 1-4 with (1) 100K resistor only the basic ESR function is provided.



*Fig.2* shows a 1A load pulse applied without a capacitor in the feedback network simulating an 18650 style 2000mAh battery. *Fig.3* shows the same load pulse applied to a small 200mAhr Lithium-Ion battery with the capacitor in the feedback network. The scope plots show good matching with the real world. With proper adjustment many curves can be realized. Additional information is available through <http://www.graellc.net> including LabView software and Voltage/ESR curves of select battery types.

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