In their recent paper [IEEE Trans. Ind. Electron., vol. 62, no. 7, pp. 4514–4524, Jul. 2015], Smithson and Williamson propose a unified state-space model for power converters in peak current-mode control. As a part of their experimental section, the control-to-output frequency response is compared against the models of Ridley and Kondrath. The comparison reveals a significant difference between Ridley's model and the proposed model as well as the measured frequency response. If this were true, controller designs relying on Ridley's model would possibly have to be called into question, presumably affecting many practical designs. For this reason, the model comparison will be repeated here, showing that the results of Ridley's model are in fact very close to the proposed model of Smithson and Williamson if the correct model formulation is being used.