

Inrush Current Measurements

Rev	Date	Summary	Author
1	5/22/06	Initial doc with data gathered by Aaron	A. Marburg

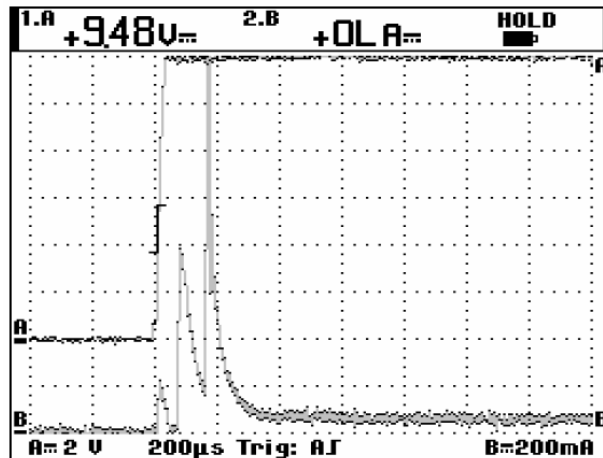
All measurements made with a Fluke 199 Scopemeter. Current measurements made with a Fluke 80i-110s clamp-on inductive current probe run at 100mV/A (10A max). Internal V-to-A conversion was used on the Scopemeter.

I started out intending to make a V and I measurement on each channel at turn-on, but had a lot of trouble finding test points for V. In retrospect, using V as a trigger would give much more reliable results.

On all channels not included below the inrush spike was below the noise floor, so it was impossible to trigger accurately on current (see above, triggering on voltage would allow an accurate measurement). I interpret this to mean the inrush current is insignificantly small. I did not try to quantify steady-state on any channels.

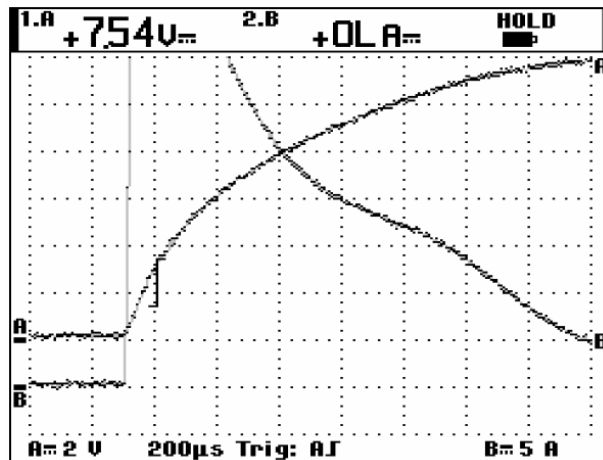
Channel 9 would not switch off.

Channel 1: HA7 1wire-interface

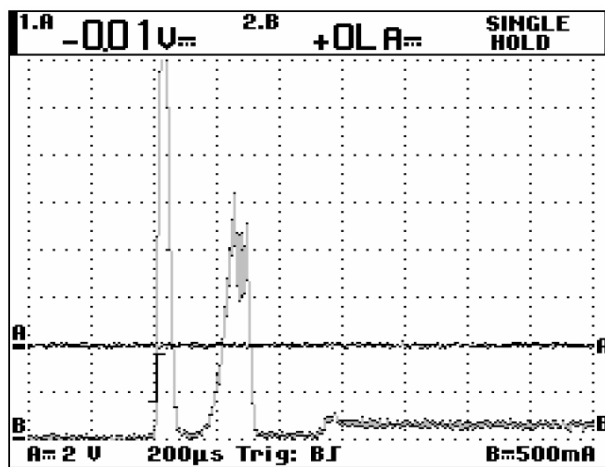


Channel 3 & 4: Cisco #1

These results were from the previous investigation of Cisco inrush. These measurements were taken on the Cisco mainboard itself (for circuit #3). Results for circuit #4 are similar.



Channel 5: ??



Channel 6: ??

