

Test Data is for build on Rev A board with updates as of May 29, 2007 unless otherwise indicated. Main transformer is T2388-MAIN revision B.

Regulation / efficiency:

Vin V	Iin mA	+5Vout V	+5Iout mA	-5Vout V	-5Iout mA	50Vout V	50Iout mA	Eff. in %
200.2	71.8	5.00	1205	-5.05	-558	51.3	51	79.7
145.4	99.3	5.00	1201	-5.06	-558	51.4	51	79.3
84.9	168.6	5.00	1204	-5.06	-558	51.5	51	80.1

Thermal:

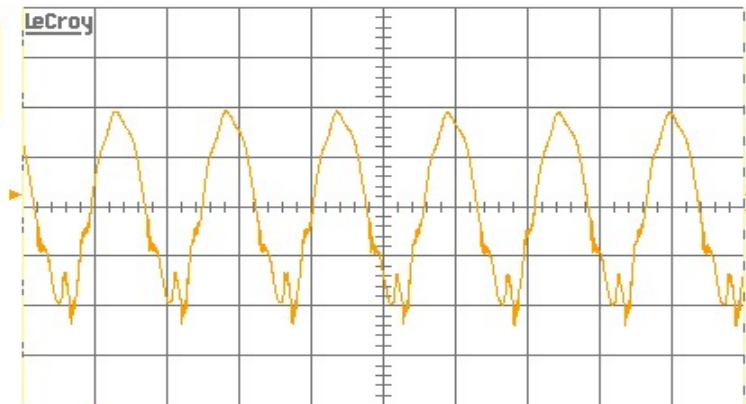
At 200V input and full loading on each output: Ambient 23 degrees Celsius,

T1 at 55 degrees C, Q3 (main switch) at 54 degrees C, D1 at 51 degrees, U2 at 42 degrees and U3 at 36 degrees

Ripple: Main +5Vout

29-May-07
15:14:18

2 μ s
10.0mV



PMP2388 Flyback at 200Vin

Full loads off Flyback:

5.00V at 1.2A 4x22uF bypass cap

-5.05V at 558mA 51.3V at 50mA

Channel 1: Ripple on +5V output

43mV p-p

Freq(1) 325.415 kHz
pkpk(1) 43.4mV
minimum(1) -23.6mV
mean(1) -0.56mV
mean(4) 559.0 mA

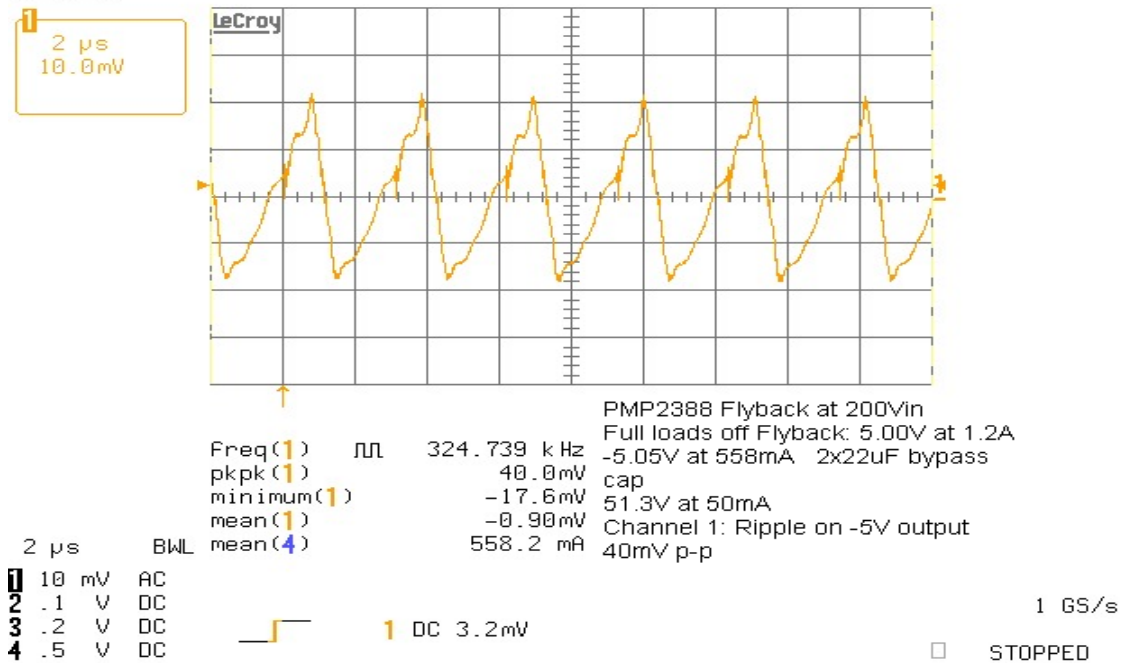
2 μ s BVL
1 10 mV AC
2 .1 V DC
3 .2 V DC
4 .5 V DC

1 DC 3.2mV

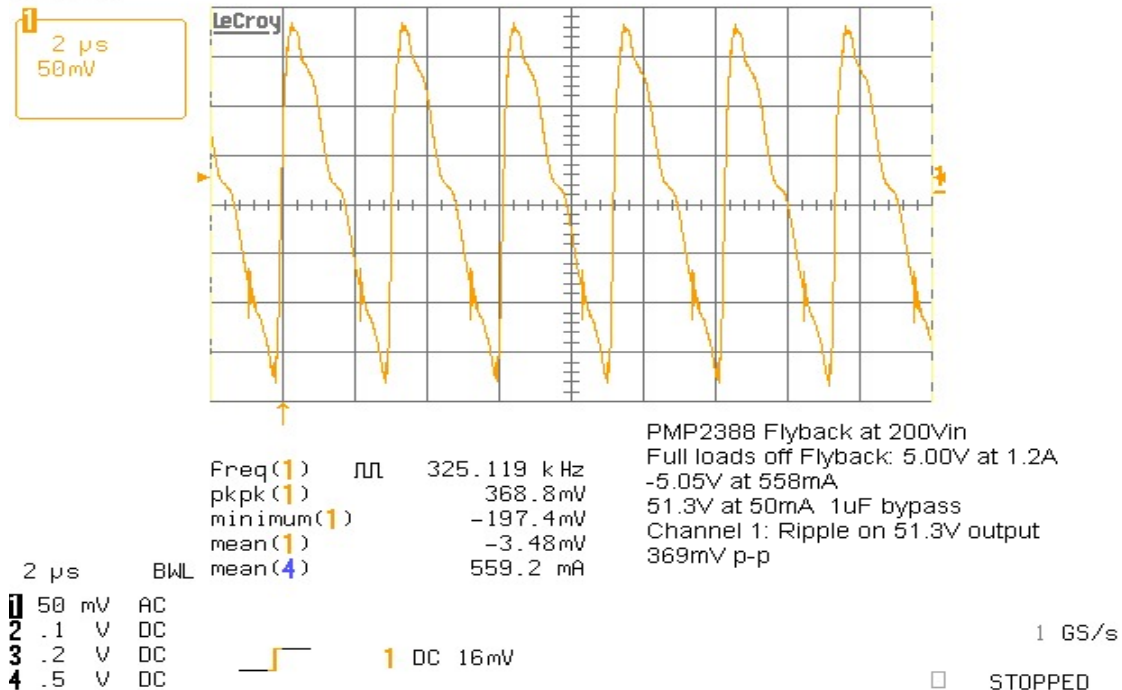
1 GS/s

☐ AUTO

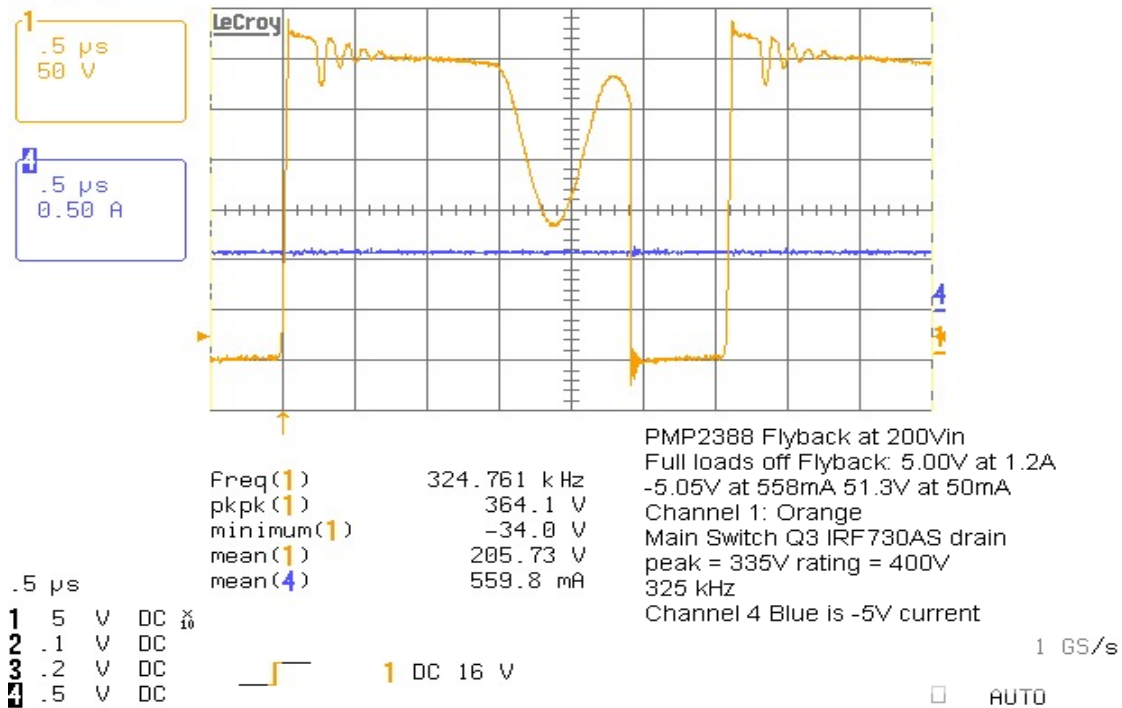
Ripple on -5V:

29-May-07
15:15:11

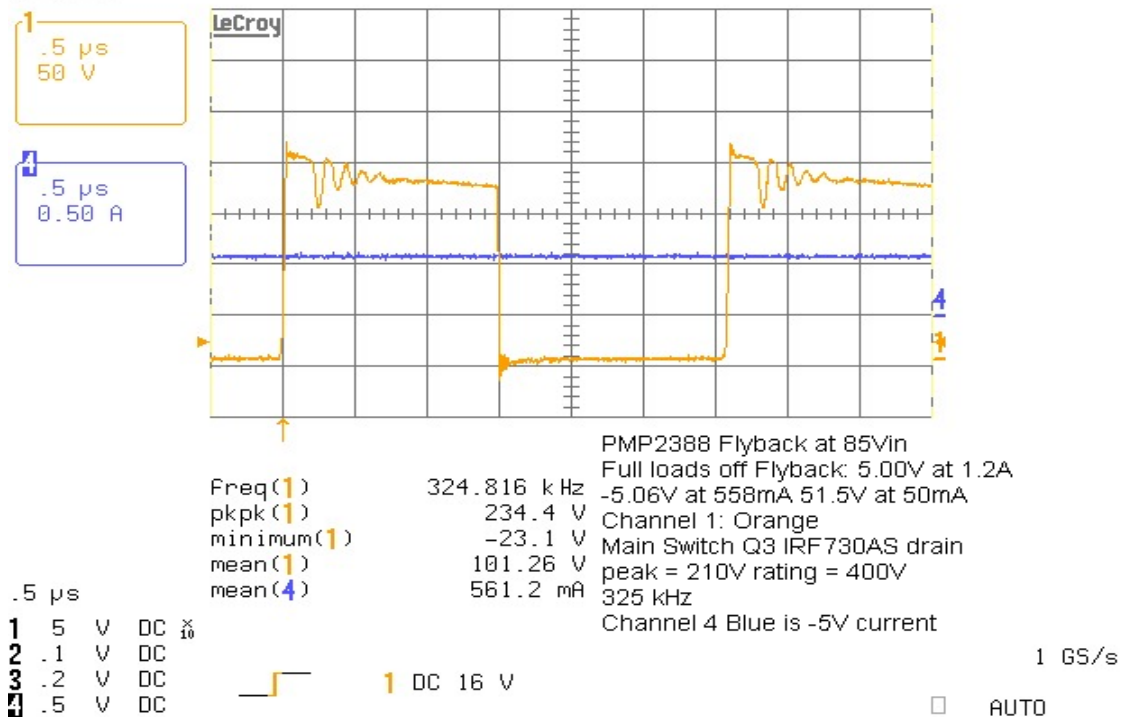
Ripple on isolated 50V:

29-May-07
15:16:13

Main switch waveform: 200Vin:

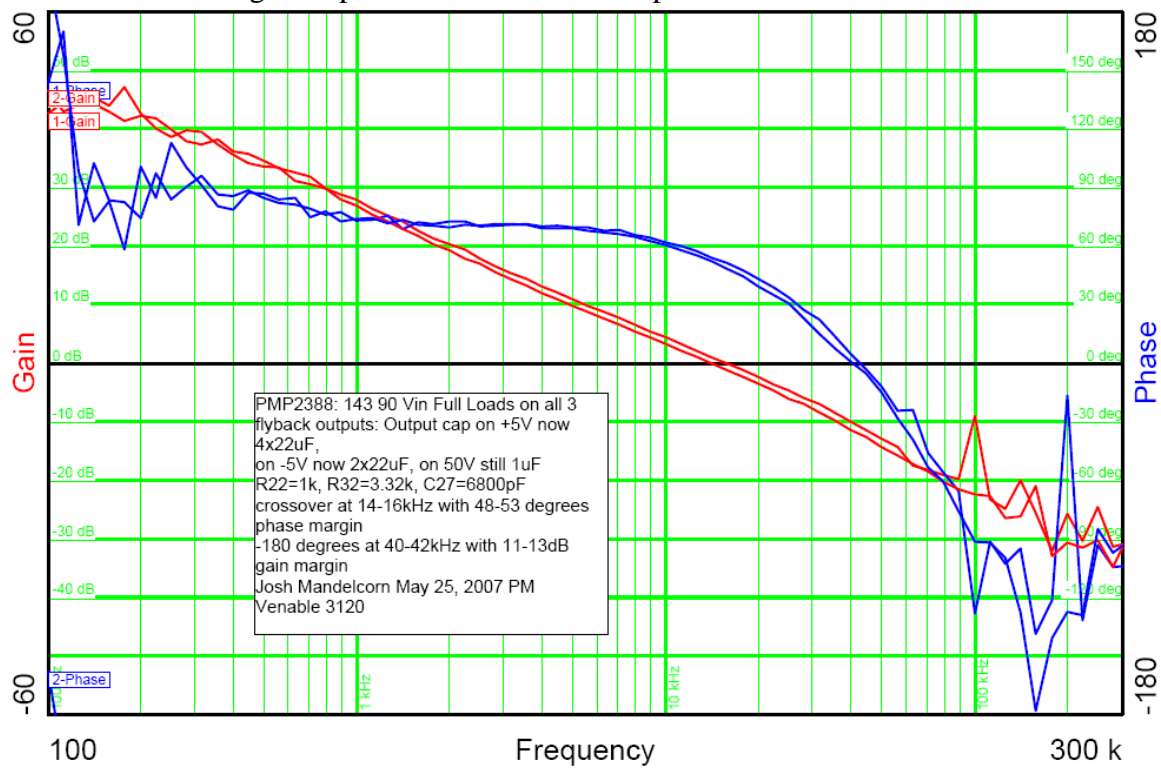
29-May-07
14:53:27

85Vin:

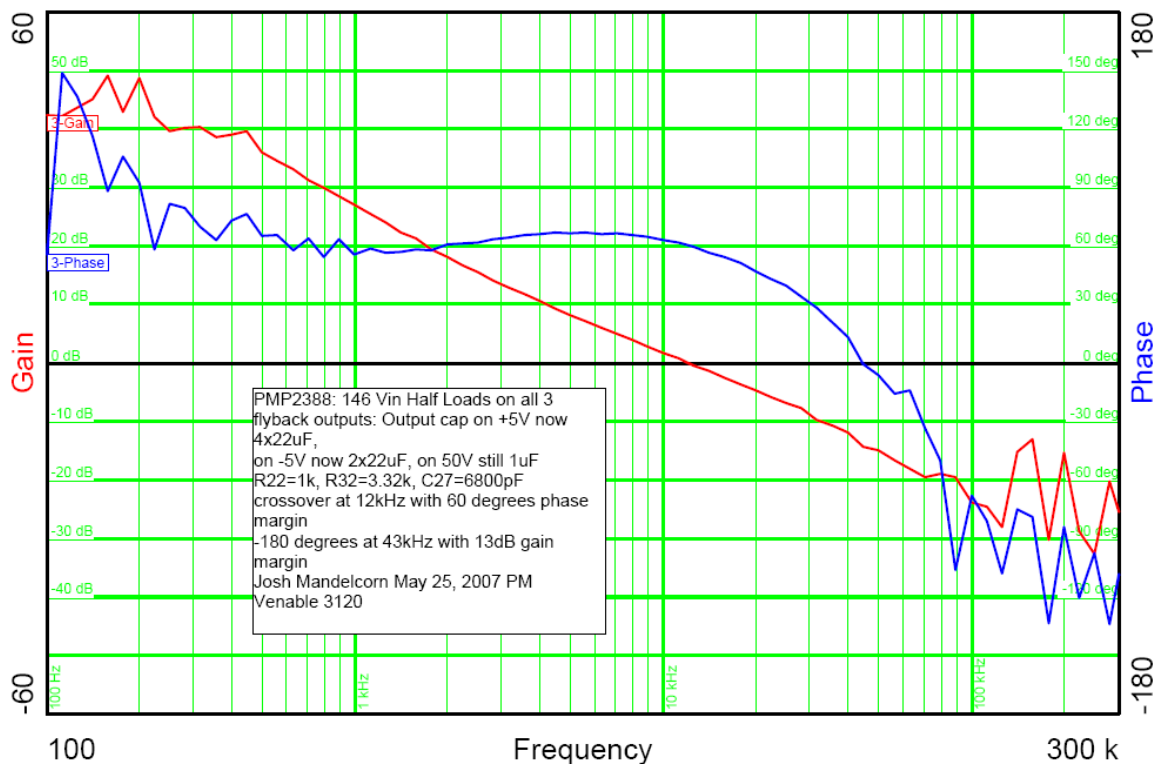
29-May-07
14:58:04

Qq

Bode Plot of Voltage Loop: Full loads on all 3 outputs:



Bode Plot: Loads at about 1/2 full:



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