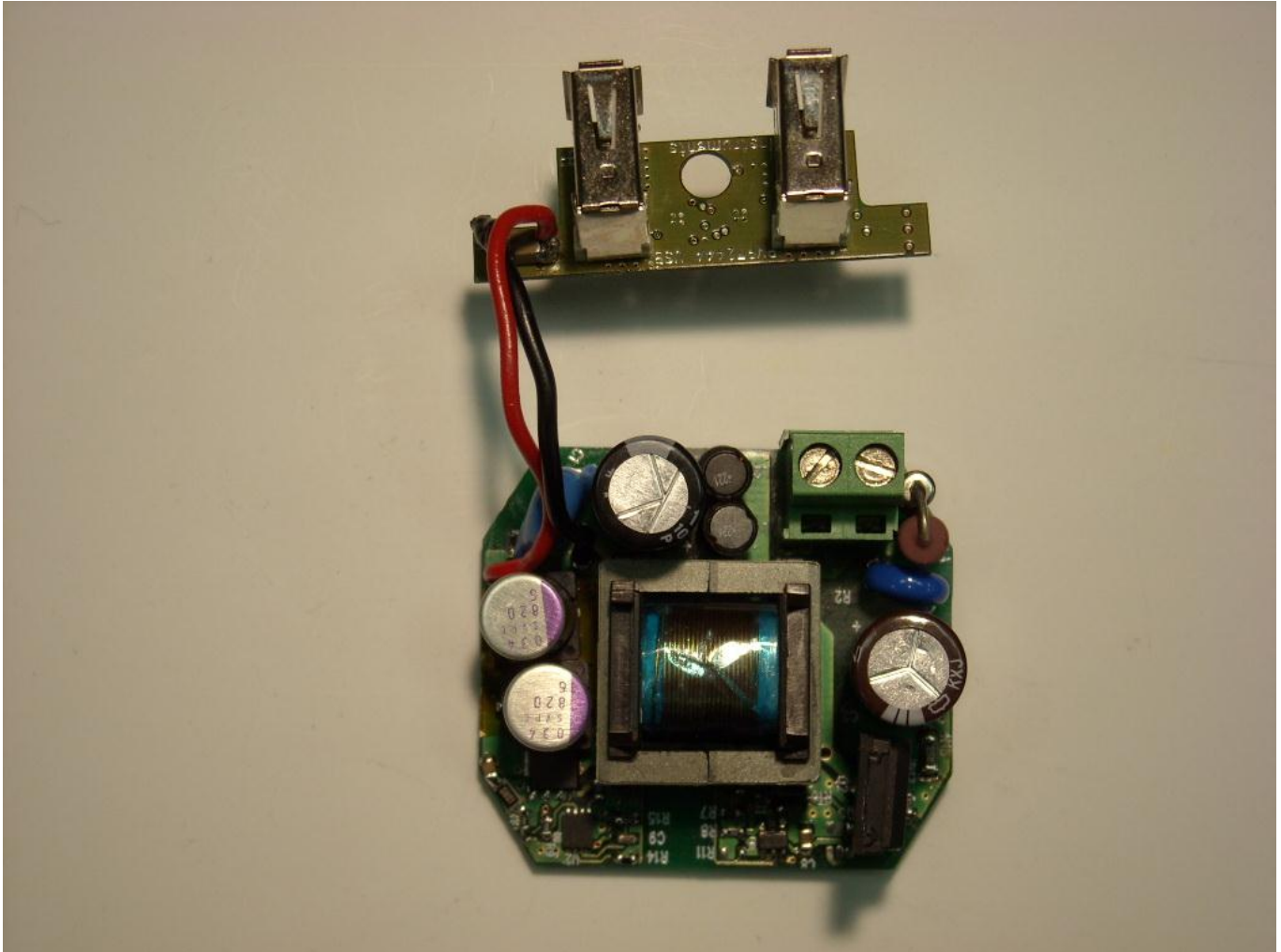
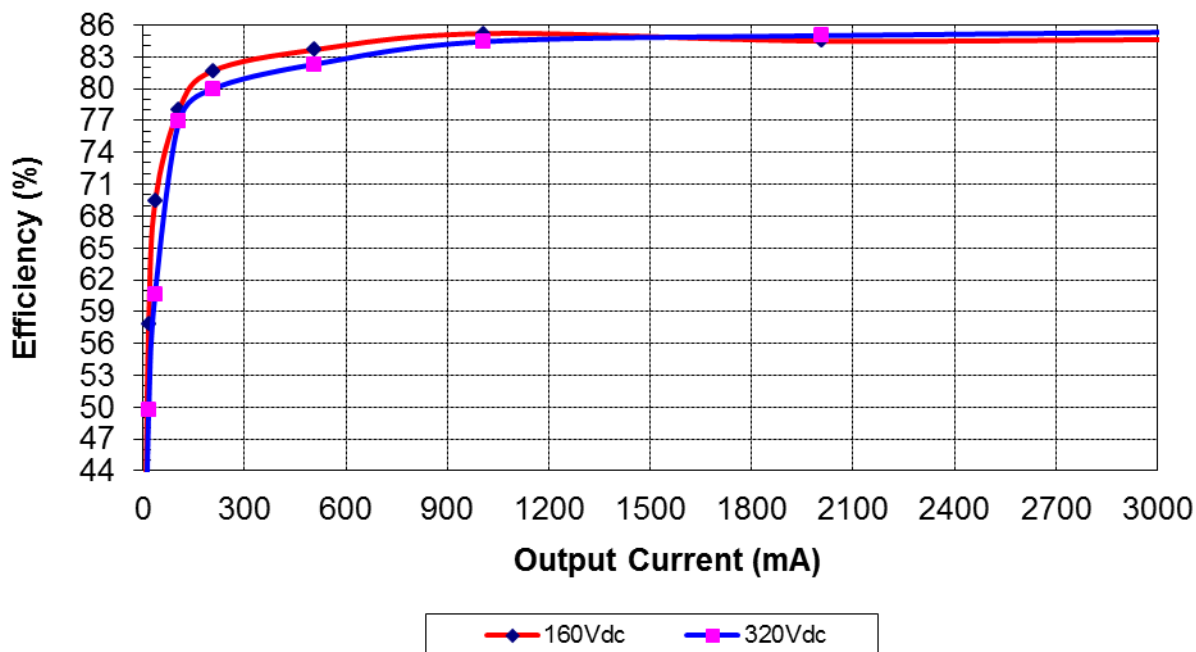


PICTURE OF THE BOARDS:



1 Efficiency

The efficiency data are shown in the tables and graph below. A DC voltage source has been used in order to get the best accuracy at light load, set to 160Vdc and 320Vdc. The output voltage refers to the output of the AC/DC stage.

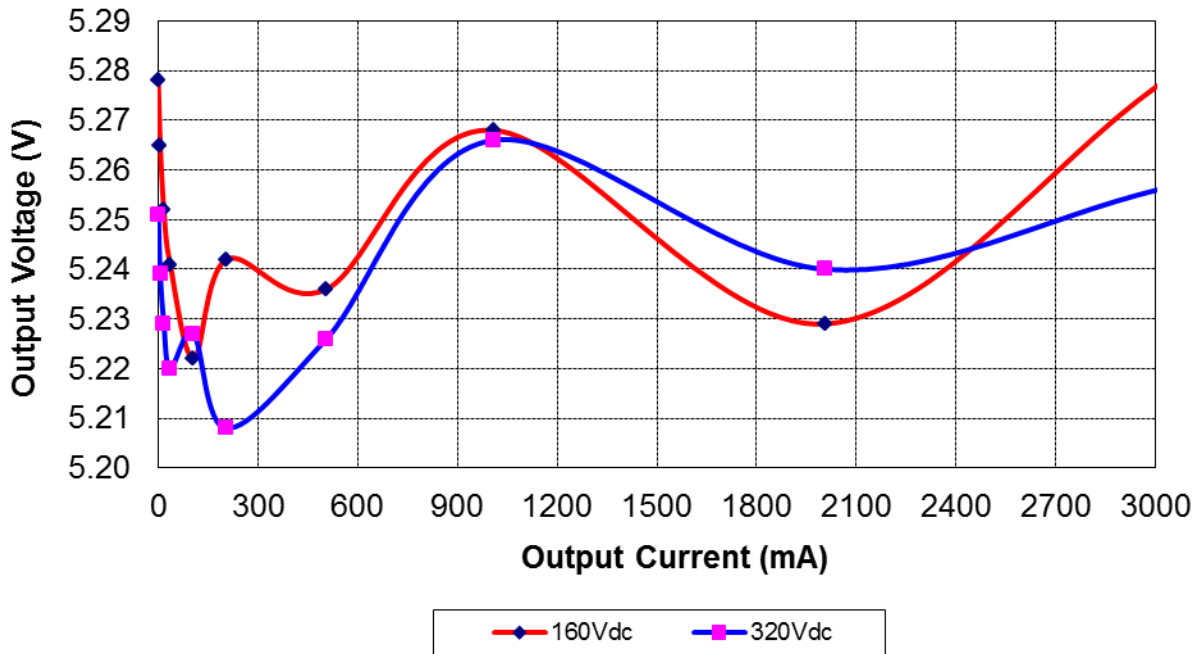


Iout (mA)	Vout (V)	Pout (W)	Iin (mA)	Vin (Vdc)	Pin (W)	Ploss (W)	Eff (%)
0	5.278	0	0.30	160	0.048	0.0484	0.00
5.9	5.265	0.031	0.527	160	0.084	0.0533	36.84
16.7	5.252	0.088	0.947	160	0.152	0.0638	57.89
35.7	5.241	0.187	1.685	160	0.270	0.0825	69.40
105.9	5.222	0.553	4.430	160	0.709	0.1558	78.02
205.9	5.242	1.079	8.26	160	1.322	0.2423	81.67
505.9	5.236	2.649	19.79	160	3.166	0.5175	83.66
1008.8	5.268	5.314	38.99	160	6.238	0.9240	85.19
2006	5.229	10.489	77.6	160	12.416	1.9266	84.48
3007	5.277	15.868	117.2	160	18.752	2.8841	84.62

Iout (mA)	Vout (V)	Pout (W)	Iin (mA)	Vin (Vdc)	Pin (W)	Ploss (W)	Eff (%)
0	5.251	0	0.1905	320	0.061	0.0610	0.00
6.0	5.239	0.031	0.3153	320	0.101	0.0695	31.15
16.7	5.229	0.087	0.549	320	0.176	0.0884	49.71
35.7	5.220	0.186	0.960	320	0.307	0.1208	60.66
106.0	5.227	0.554	2.252	320	0.721	0.1666	76.88
205.9	5.208	1.072	4.19	320	1.341	0.2685	79.98
505.9	5.226	2.644	10.04	320	3.213	0.5690	82.29
1008.6	5.266	5.311	19.66	320	6.291	0.9799	84.42
2006	5.240	10.511	38.65	320	12.368	1.8566	84.99
3007	5.256	15.805	57.9	320	18.528	2.7232	85.30

2 Output Voltage Regulation

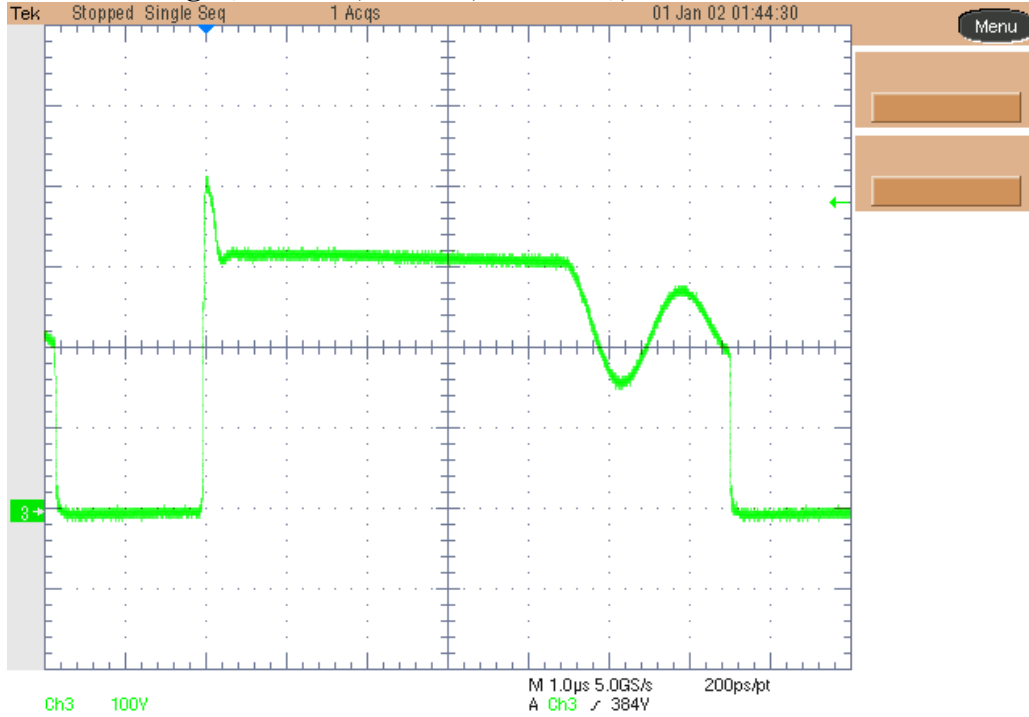
The output voltage variation as function of load and input voltage is shown below:



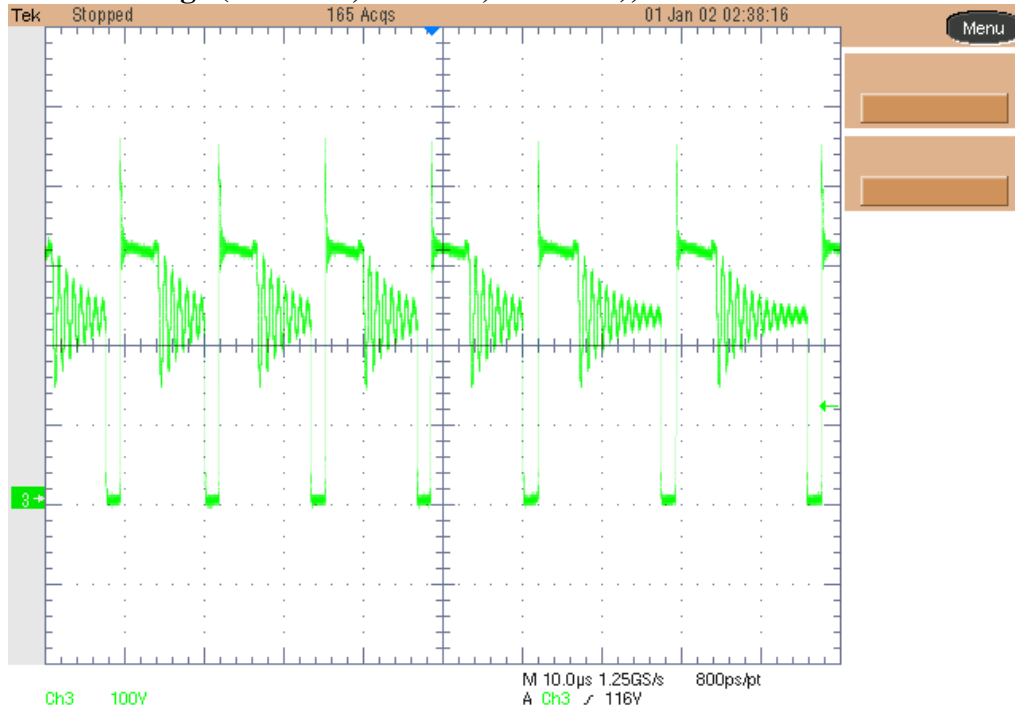
3 Switching Node Waveform

The image below shows the voltage on Q2 Drain 1A and 3A load @ 233Vdc input.

Ch3: Q2 Drain Voltage (100V/div, 1us/div, No BWL), 1A load



Ch3: Q2 Drain Voltage (100V/div, 10us/div, No BWL), 3A load



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2. You have full and exclusive responsibility to assure the safety and compliance of your products with all such laws and other applicable regulatory requirements, and also to assure the safety of any activities to be conducted by you and/or your employees, affiliates, contractors or designees, using the EVM. Further, you are responsible to assure that any interfaces (electronic and/or mechanical) between the EVM and any human body are designed with suitable isolation and means to safely limit accessible leakage currents to minimize the risk of electrical shock hazard.
3. Since the EVM is not a completed product, it may not meet all applicable regulatory and safety compliance standards (such as UL, CSA, VDE, CE, RoHS and WEEE) which may normally be associated with similar items. You assume full responsibility to determine and/or assure compliance with any such standards and related certifications as may be applicable. You will employ reasonable safeguards to ensure that your use of the EVM will not result in any property damage, injury or death, even if the EVM should fail to perform as described or expected.

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