

Corsair Vengeance 550M

Lab ID#: 114

Receipt Date: May 15, 2018 Test Date: May 23, 2018 Report:

Report Date: May 25, 2018

ION
Corsair
Channel Well Technology
Vengeance
15527103000013630556
CP-9020111

DUT SPECIFICATIO	NS
Rated Voltage (Vrms)	100-240
Rated Current (Arms)	10-5
Rated Frequency (Hz)	47-63
Rated Power (W)	550
Туре	ATX12V
Cooling	120mm Sleeve Bearing Fan (HA1225H12S-Z)
Semi-Passive Operation	Х
Cable Design	Semi Modular

TEST EQUIPMENT		
Electronic Loads	Chroma 6314A x2 63123A x6 63102A 63101A	Chroma 63601-5 x2 Chroma 63600-2 63640-80-80 x10 63610-80-20
AC Sources	Chroma 6530, Chroma 61604	
Power Analyzers	N4L PPA1530, N4L PPA5530	
Oscilloscopes	Picoscope 4444 & 3424, Keysight DSOX3024A, Rigol DS	52072A
Voltmeter	Keithley 2015 THD 6.5 Digit	
Sound Analyzer	Bruel & Kjaer 2250-L G4	
Microphone	Bruel & Kjaer Type 4189	
Data Loggers	Picoscope TC-08 x2, Labjack U3-HV x2	

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RESULTS	
Temperature Range (°C /°F)	30-32 / 86-89.6 (+-2°C / +- 3.6°F)
ErP Lot 3/6 Ready	/
(EU) No 617/2013 Compliance	/

115V	
Average Efficiency	85.639%
Efficiency With 10W (≤500W) or 2% (>500W)	0.000
Average Efficiency 5VSB	79.266%
Standby Power Consumption (W)	0.0402625
Average PF	0.994
Avg Noise Output	30.98 dB(A)
Efficiency Rating (ETA)	SILVER
Noise Rating (LAMBDA)	Standard++

POWER SPECIFICA	TIONS					
Rail		3.3V	5V	12V	5VSB	-12V
May Dayer	Amps	25	20	45.8	3	8.0
Max. Power	Watts	120		549.6	15	9.6
Total Max. Power (W)		550				

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Native Cables			
Description	Cable Count	Connector Count (Total)	Gauge
ATX connector 20+4 pin (610mm)	1	1	16-20AWG
4+4 pin EPS12V (590mm)	1	1	18AWG
Modular Cables			
6+2 pin PCle (680mm+90mm)	1	2	16-18AWG
SATA (540mm+120mm)	1	2	18AWG
SATA (470mm+120mm+120mm)	1	3	18AWG
4 pin Molex (450mm+100mm+100mm+100mm)	1	4	18AWG
FDD Adapter (+100mm)	1	1	20AWG

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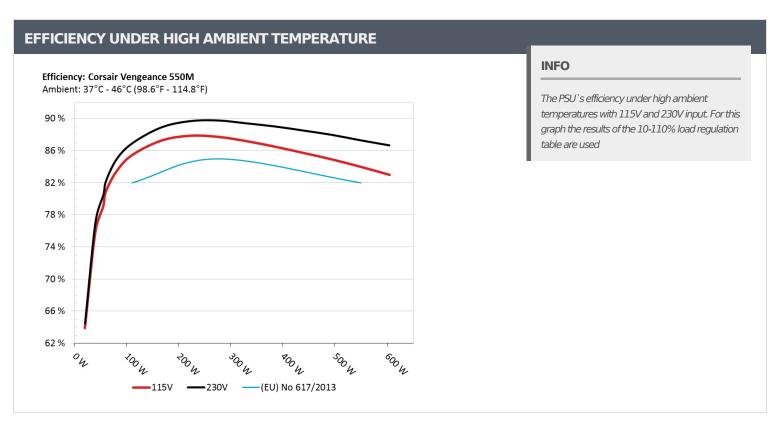
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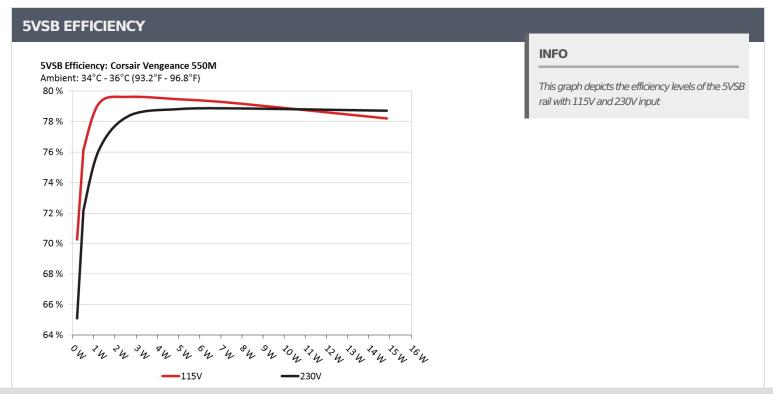
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5VSB EFFICIENCY -115V (ERP LOT 3/6 & CEC)				
Test #	5VSB	DC/AC (Watts)	Efficiency	PF/AC Volts
	0.042A 0.208	70.0700/	0.031	
1	5.008V	0.296	70.270%	115.12V
2	0.087A	0.435	76.0400/	0.059
2	5.006V	0.572	76.049%	115.13V
2	0.532A	2.658	70.6000/	0.259
3	4.998V	3.338	79.629%	115.09V
	1.002A	4.999	70.4750/	0.350
4	4.989V	6.290	79.475%	115.09V
_	1.502A	7.476		0.395
5	4.979V 9.434 79.245%	/9.245%	115.10V	
	3.001A	14.853	70.2150/	0.454
6	4.949V	18.990	78.215%	115.11V

Test#	5VSB	DC/AC (Watts)	Efficiency	PF/AC Volts
-	0.042A 0.209 5.007V 0.321 65.109%	CF 1000/	0.010	
1		65.109%	230.30V	
•	0.087A	0.436		0.018
2	5.006V	0.604	230.32V	
2	0.532A	2.657	70.2700/	0.098
3	4.997V	3.390	78.378%	230.31V
4	1.002A	4.998	70.0300/	0.167
4	4.989V	6.341	78.820%	230.31V
-	1.502A	7.476	70.000/	0.223
5	4.979V	9.479	78.869%	230.30V
	3.001A	14.853	70.71.00/	0.320
6 4.949V	18.869	78.716%	230.30V	

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115V

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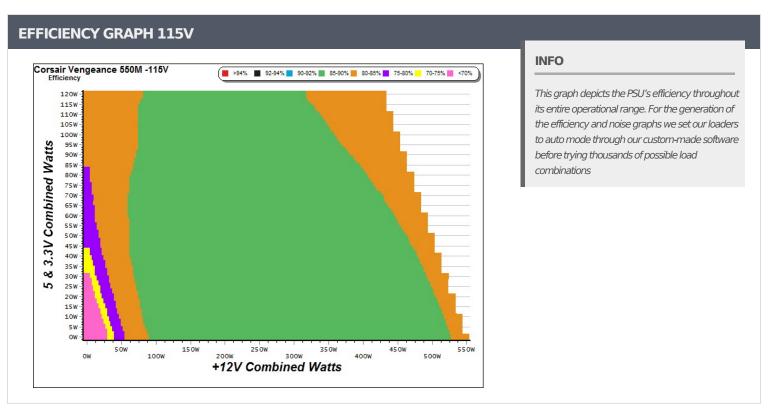
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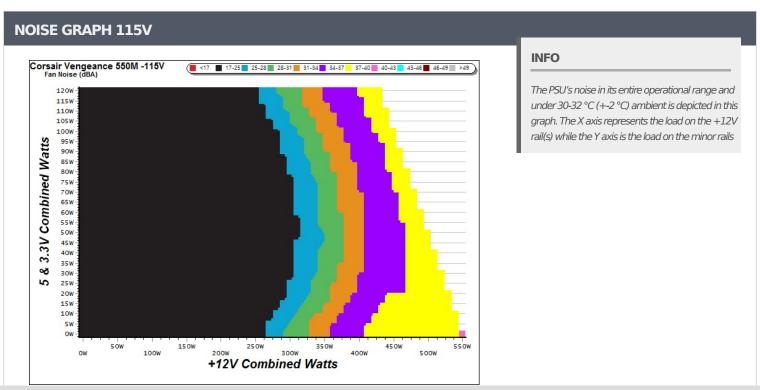
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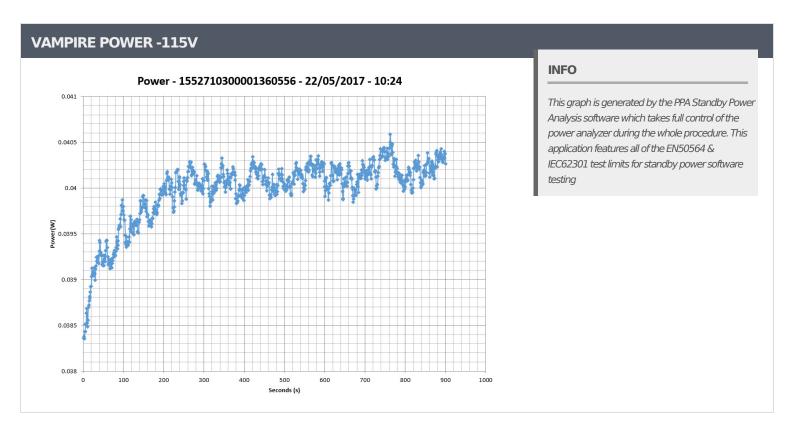
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COMMISSION REGULATION (EU) NO 617/2013 TESTING 115V

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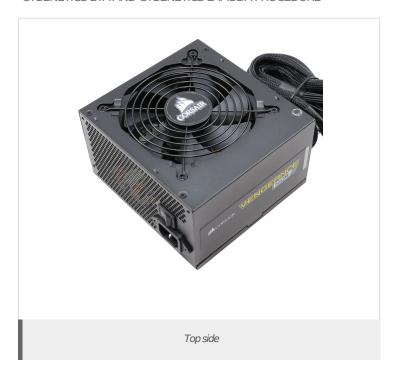
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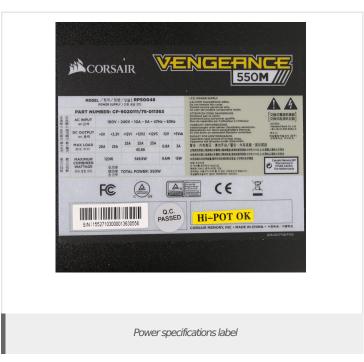
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CERTIFICATIONS 115V







Aristeidis BitziopoulosLab Director

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