EVGA

EVGA SuperNOVA 850 G7

Serial Number 2203140809800149

Lab ID EV85002033

Certification ID 252033

Test Result Report ID: 22PS2033A

Certificate Issue Date: Jun 28, 2022

Scheme: ETA-EMI PSU

115V



230V



Scheme: LAMBDA PSU

115V



230V





Aristeidis Bitziopoulos, Certification Body General Manager

General Information

Test Equipment

Electronic Loads	Chroma 63601-5 x2 Chroma 63600-2 Chroma 63640-80-80 x10 Chroma 63610-80-20
AC Sources	Chroma 6530, APM SP300VAC4000W-P, GW Instek ASR-3500
Power Analyzers	Rohde & Schwarz HMC8015 & NPA701
Oscilloscopes	Picoscope 4444, Siglent SDS2104X PLUS
Sound Analyzer	Bruel & Kjaer 2270 G4
Microphone	Bruel & Kjaer Type 4955-A
Temperature Logger	Picoscope TC-08
Tachometer	UNI-T UT372
Multimeters	Keysight 34465A
EMI Analyzer	TekBox TBMR-110M-EU
Isolation Transformer	4kVA
UPS	FSP Champ Tower 3kVA, CyberPower OLS3000E 3kVA
Testing Methodology	Cybenetics PSU Test Protocol

DUT Information(Non-accredited measurements)

Product Identification Details	
Brand	EVGA
Model	SuperNOVA 850 G7
OEM/ODM	FSP
Serial Number	2203140809800149
Product Specifications	
Manufacturer-Provided Information	
Rated Voltage (Vrms)	100-240
Rated Current (Arms)	12-6
Rated Frequency (Hz)	60-50

Rated Power (W)	850
Operating Temperature (Continuous Full Load) (°C)	
Type	ATX12V
Cable Design	Fully Modular
Warranty	-
Cybenetics Measurements	
Dimensions (W x H x D)	
Weight	
Cooling	120mm Fluid Dynamic Bearing Fan (MGA12012XF-O25)
Semi-Passive Operation	✓ (selectable)
Cybenetics Testing Information	
Lab ID	EV85002033
Date of receipt	Jun 9, 2022
Testing Date	Jun 24, 2022
Report Issued Date	Jun 28, 2022
Engineer Name	-
Authorized By the Laboratory Technical Manager	Aristeidis Bitziopoulos
Signature	

Cables and Connectors(Non-accredited measurements)

Modular Cables				
Description	Cable Count	Connector Count (Total)	Gauge	In Cable Capacitors
ATX connector 20+4 pin (600mm)	1	1	18-22AWG	Yes
4+4 pin EPS12V (700mm)	2	2	18AWG	No
6+2 pin PCIe (700mm+150mm)	2	4	18AWG	No
6+2 pin PCIe (700mm)	2	2	18AWG	No
SATA (550mm+100mm+100mm)	3	9	18AWG	No
4-pin Molex (550mm+100mm+100mm+100mm)	1	4	18AWG	No
FDD Adapter (100mm)	1	1	22AWG	No
AC Power Cord (1390mm) - C13 coupler	1	1	16AWG	-

Power Specifications

Rail		3.3V	5V	12V	5VSB	-12V
Max. Power	Amps	24	24	70.8	3	0.5
	Watts	120		850	15	6
Total Max. Power (W)		850				

Parts Description

General Data	-
Manufacturer (OEM)	FSP
PCB Type	Double Sided
Primary Side	-
Transient Filter	4x Y caps, 2x X caps, 2x CM chokes, 1x MOV
Inrush Protection	NTC Thermistor SCK-056 (5 Ohm) & Relay
Bridge Rectifier(s)	2x
APFC MOSFETs	3x
APFC Boost Diode	1x
Bulk Cap(s)	1x Nippon Chemi-Con (420V, 470uF, 2,000h @ 105°C, KHE) & 1x TK (420V, 330uF, 2,000h @ 105°C, LGW)
Main Switchers	2x Infineon IPP60R120P7 (600V, 16A @ 100°C, Rds(on): 0.12Ohm)
IC Driver	1x Novosense NSi6602
APFC Controller	Infineon ICE2PCS02
Resonant Controller	Champion CM6901T2X
Topology	Primary side: APFC, Half-Bridge & LLC converter Secondary side: Synchronous Rectification & DC-DC converters
Secondary Side	-
+12V MOSFETs	no info
5V & 3.3V	DC-DC Converters: 6x Infineon BSC0901NS (30V, 94A @ 100°C, Rds(on): 1.9mOhm) PWM Controller(s): ANPEC APW7159C
Filtering Capacitors	Electrolytic: 5x Rubycon (3-6,000h @ 105°C, YXG) Polymer: 17x Nippon Chemi-Con, 6x NIC
Supervisor IC	Weltrend WT7527RA (OCP, OVP, UVP, SCP, PG)
Fan Controller	Microchip PICF15324

Fan Model	Protechnic Electric MGA12012XF-O25 (120mm, 12V, 0.52A, Fluid Dynamic Bearing Fan)
5VSB Circuit	-
Rectifier	1x NIKO-SEM P1006BD (60V, 42A @ 100°C, Rds(on): 10mOhm) FET
Standby PWM Controller	Power Integrations INN2603K

Test Results

Temperature & Compliance Info

Temperature Range (°C /°F)	28-32 / 82.4-89.6
ErP Lot 3/6 Ready	✓
(EU) No 617/2013 Compliance	✓
ALPM (Alternative Low Power Mode) compatible	✓

Performance Summary

115V

Accredited	
Average Efficiency (>1450 load combinations)	90.073%
Average Noise Output (>1450 Load Combinations)	32.40dBA
Average PF (>1450 Load Combinations)	0.990
Efficiency With 10W (≤500W) or 2% (>500W) Load	68.510%
Standby Power Consumption	0.0585W
Non-Accredited	
12V Ripple (Full Load)	18.58mV
5V Ripple (Full Load)	10.41mV
3.3V Ripple (Full Load)	11.87mV
5VSB Ripple (Full Load)	16.33mV
12V Load Regulation	0.76%
5V Load Regulation	0.49%
3.3V Load Regulation	1.01%
5VSB Load Regulation	2.81%

Inrush Current	65.150A

230V

Accredited		
Average Efficiency (>1450 load combinations)		92.222%
Average Noise Output (>1450 Load Combinations)		31.50dBA
Average PF (>1450 Load Combinations)		0.951
Efficiency With 10W (≤500W) or 2% (>500W) Load		-
Standby Power Consumption		0.1707W
Non-Accredited		
12V Ripple (Full Load)		18.29mV
5V Ripple (Full Load)		10.63mV
3.3V Ripple (Full Load)		12.37mV
5VSB Ripple (Full Load)		16.17mV
12V Load Regulation		0.77%
5V Load Regulation		0.51%
3.3V Load Regulation		1.07%
5VSB Load Regulation		2.85%
Inrush Current		85.990A
Hold-Up Time & PWR_OK Signal		25.40ms
AC Loss to PWR_OK Hold Up Time		19.70ms
PWR_OK Inactive to DC Loss Delay		5.70ms
PSU Timings: T1 (20% / 100%)	47.0ms	42.0ms
PSU Timings: T3 (20% / 100%)	127.0ms	131.0ms
OPP (32.93°C / 42.81°C)	140.36%	131.19%

Hold-Up Time & PWR_OK Signal

Hold-Up Time (ms)	25.4
AC Loss to PWR_OK Hold Up Time (ms)	19.7
PWR_OK Inactive to DC Loss Delay (ms)	5.7

Vampire Power

Tables

115V

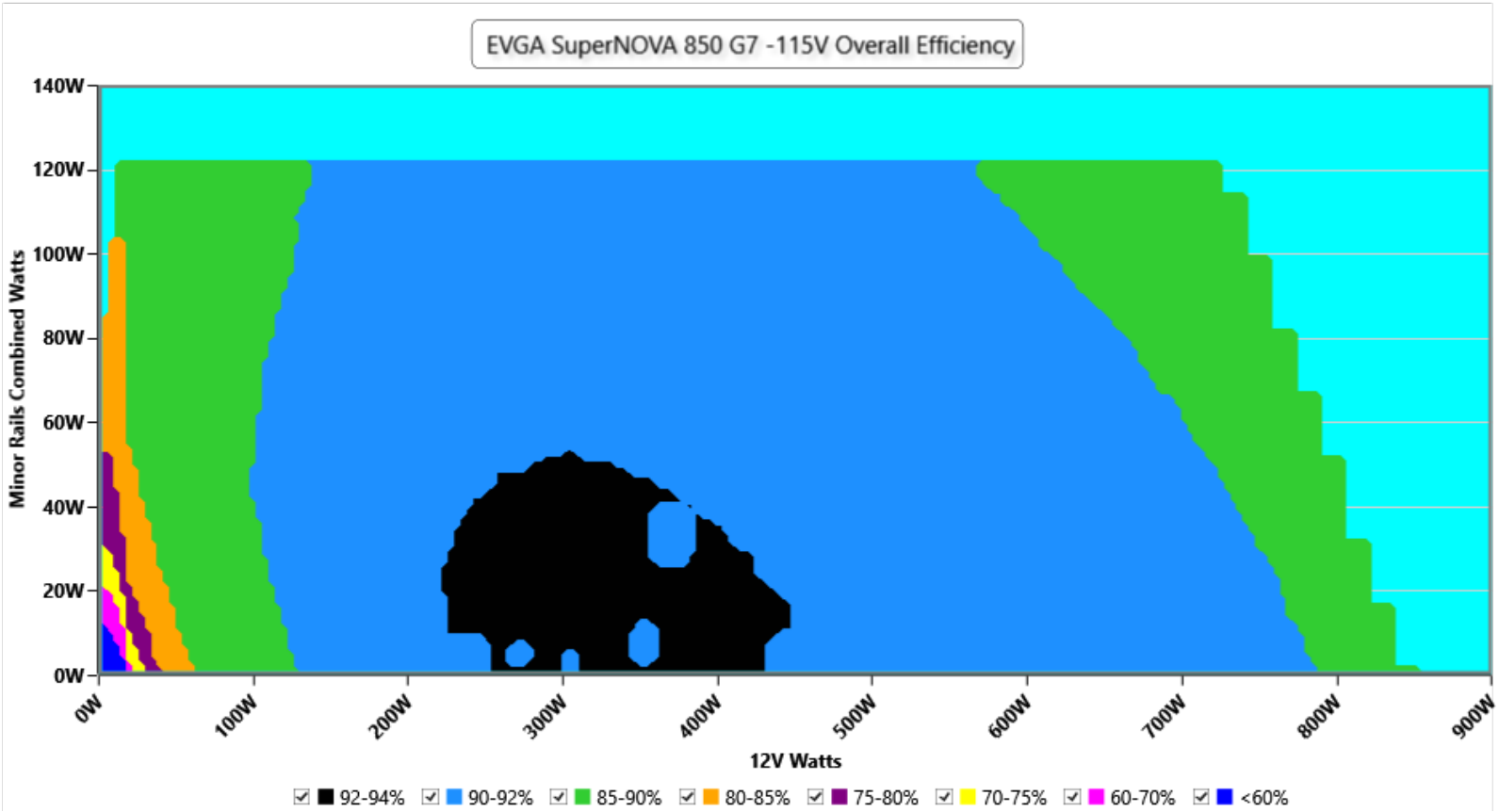
Detailed Results						
	Average	Min	Limit Min	Max	Limit Max	Result
Mains Voltage RMS:	115.13 V	115.10 V	113.85 V	115.17 V	116.15 V	PASS
Mains Frequency:	60.00 Hz	59.96 Hz	59.40 Hz	60.03 Hz	60.60 Hz	PASS
Mains Voltage CF:	1.416	1.415	1.340	1.418	1.490	PASS
Mains Voltage THD:	0.13 %	0.10 %	N/A	0.19 %	2.00 %	PASS
Real Power:	0.058 W	0.052 W	N/A	0.067 W	N/A	N/A
Apparent Power:	10.183 W	10.143 W	N/A	10.220 W	N/A	N/A
Power Factor:	0.006	N/A	N/A	N/A	N/A	N/A

230V

Detailed Results						
	Average	Min	Limit Min	Max	Limit Max	Result
Mains Voltage RMS:	230.29 V	230.18 V	227.70 V	230.35 V	232.30 V	PASS
Mains Frequency:	50.00 Hz	49.99 Hz	49.50 Hz	50.01 Hz	50.50 Hz	PASS
Mains Voltage CF:	1.416	1.415	1.340	1.417	1.490	PASS
Mains Voltage THD:	0.12 %	0.10 %	N/A	0.20 %	2.00 %	PASS
Real Power:	0.171 W	0.153 W	N/A	0.202 W	N/A	N/A
Apparent Power:	34.591 W	34.338 W	N/A	34.880 W	N/A	N/A
Power Factor:	0.005	N/A	N/A	N/A	N/A	N/A

Efficiency Graph

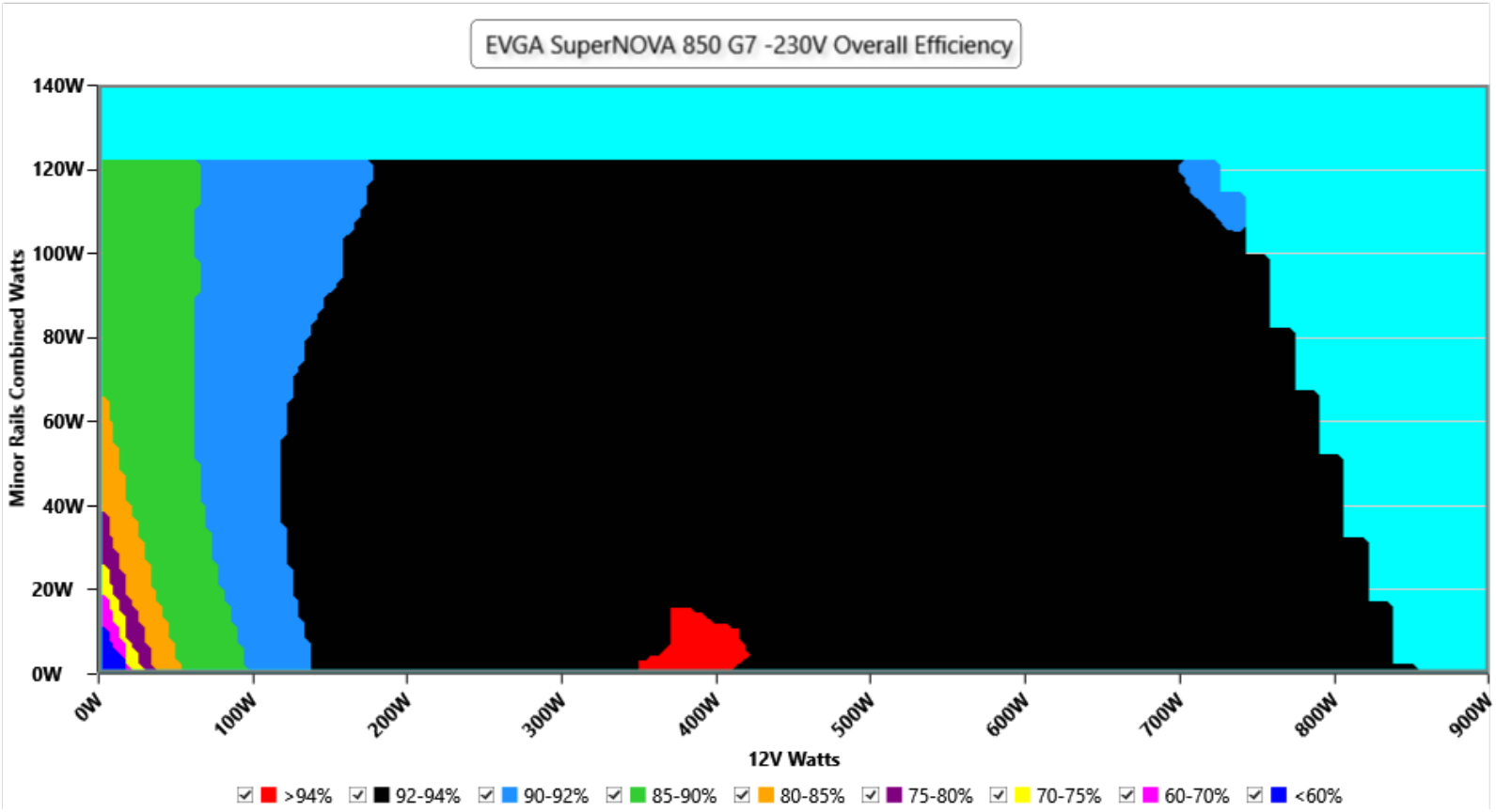
115V



INFO

This graph depicts the PSU`s efficiency throughout its entire operational range. For the generation of the efficiency and noise graphs we set our loaders to auto mode through our custom-made software before trying thousands of possible load combinations

230V

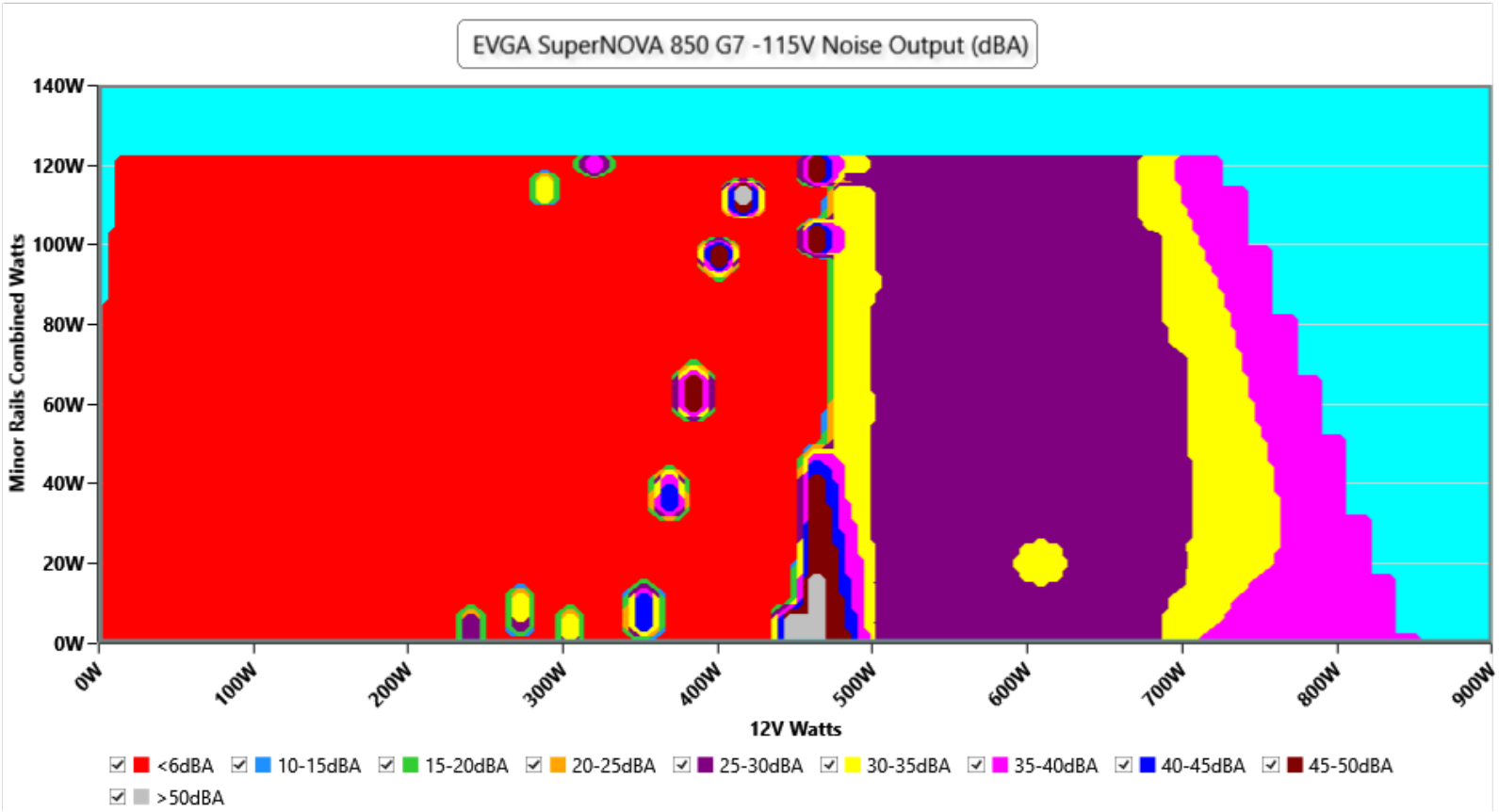


INFO

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Noise Graph

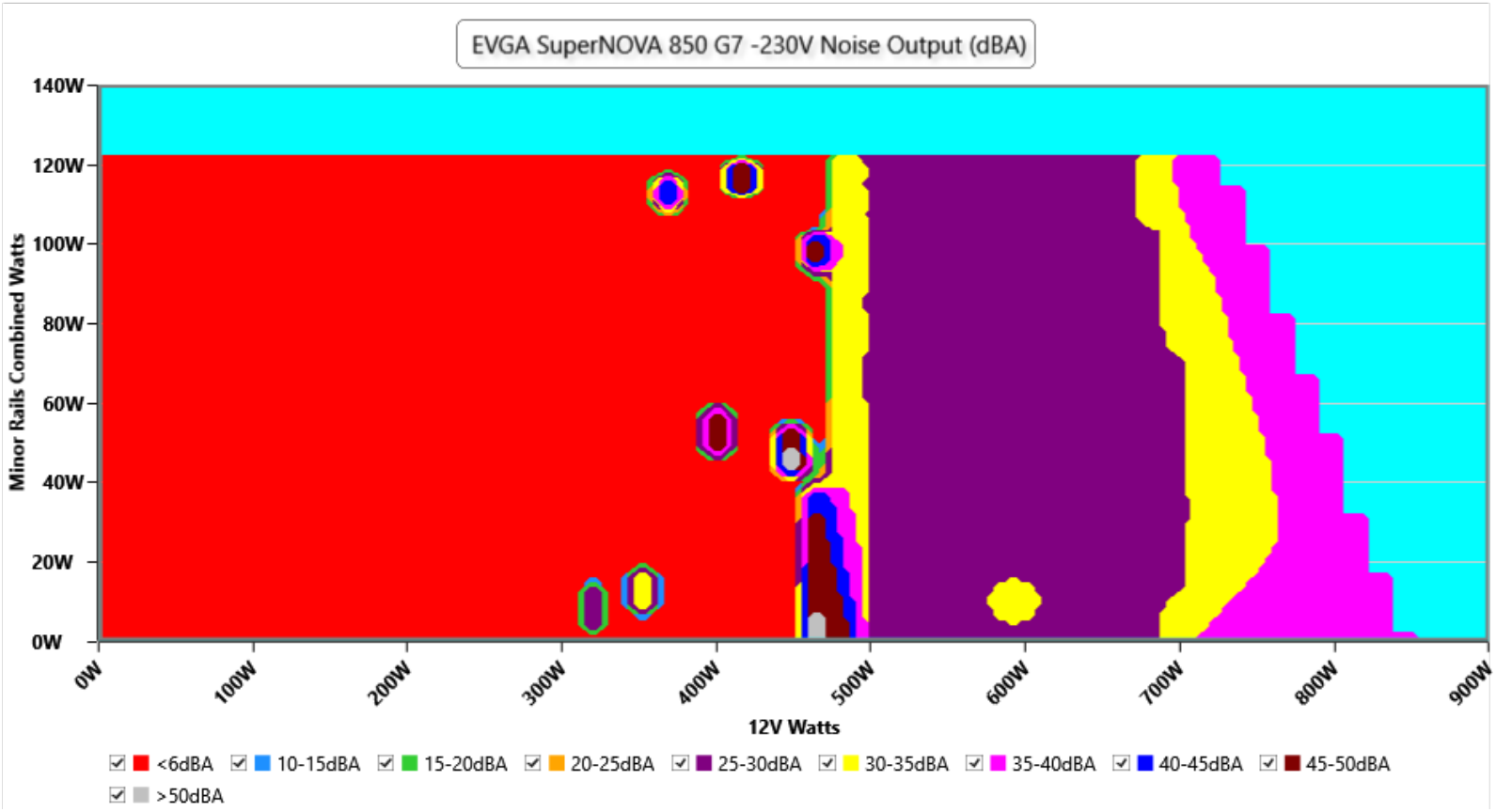
115V



INFO

The PSU`s noise in its entire operational range and under 30-32 °C ambient is depicted in this graph. The X axis represents the load on the +12V rail(s) while the Y axis is the load on the minor rails

230V



INFO

The PSU`s noise in its entire operational range and under 30-32 °C ambient is depicted in this graph. The X axis represents the load on the +12V rail(s) while the Y axis is the load on the minor rails

Noise under high ambient temperature (indicative)

115V

Load	Normal ambient fan · noise · intake	High ambient fan · noise · intake	Noise change
10%	0 RPM · <6.0 dB(A) · 44.9 °C	0 RPM · <6.0 dB(A) · 44.9 °C	fan off in both
20%	0 RPM · <6.0 dB(A) · 45.9 °C	0 RPM · <6.0 dB(A) · 45.9 °C	fan off in both
50%	0 RPM · <6.0 dB(A) · 48.4 °C	0 RPM · <6.0 dB(A) · 48.4 °C	fan off in both
100%	2332 RPM · 47.7 dB(A) · 46.1 °C	2332 RPM · 47.7 dB(A) · 46.1 °C	**+0.0 dB(A)**

230V

Load	Normal ambient fan · noise · intake	High ambient fan · noise · intake	Noise change
10%	0 RPM · <6.0 dB(A) · 44.6 °C	0 RPM · <6.0 dB(A) · 44.6 °C	fan off in both
20%	0 RPM · <6.0 dB(A) · 45.7 °C	0 RPM · <6.0 dB(A) · 45.7 °C	fan off in both
50%	0 RPM · <6.0 dB(A) · 48.3 °C	0 RPM · <6.0 dB(A) · 48.3 °C	fan off in both
100%	2282 RPM · 47.7 dB(A) · 45.1 °C	2282 RPM · 47.7 dB(A) · 45.1 °C	**+0.0 dB(A)**

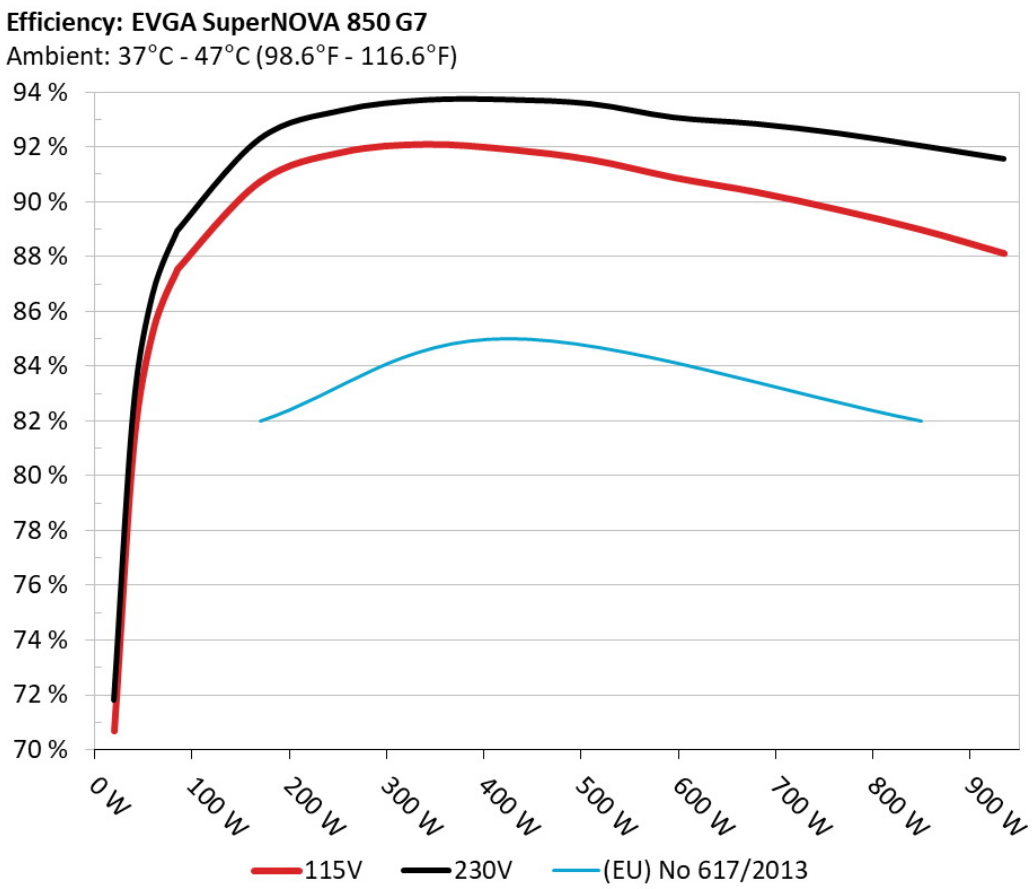
INFO

Fan speed, noise and the measured intake temperature at 10, 20, 50 and 100 % load, from the two load regulation tests: at normal ambient (about 30-32 °C) and at high ambient (about 40-47 °C). These are stabilized readings at fixed loads, not averages over the certification sweep, so they are indicative of how the fan behaves when it is hot. "<6.0" is the floor of our sound meter, with the fan stopped; with the fan stopped, the intake sensor can read higher than the chamber air.

Informational. Not part of the ETA or LAMBDA rating.

Indicative Performance

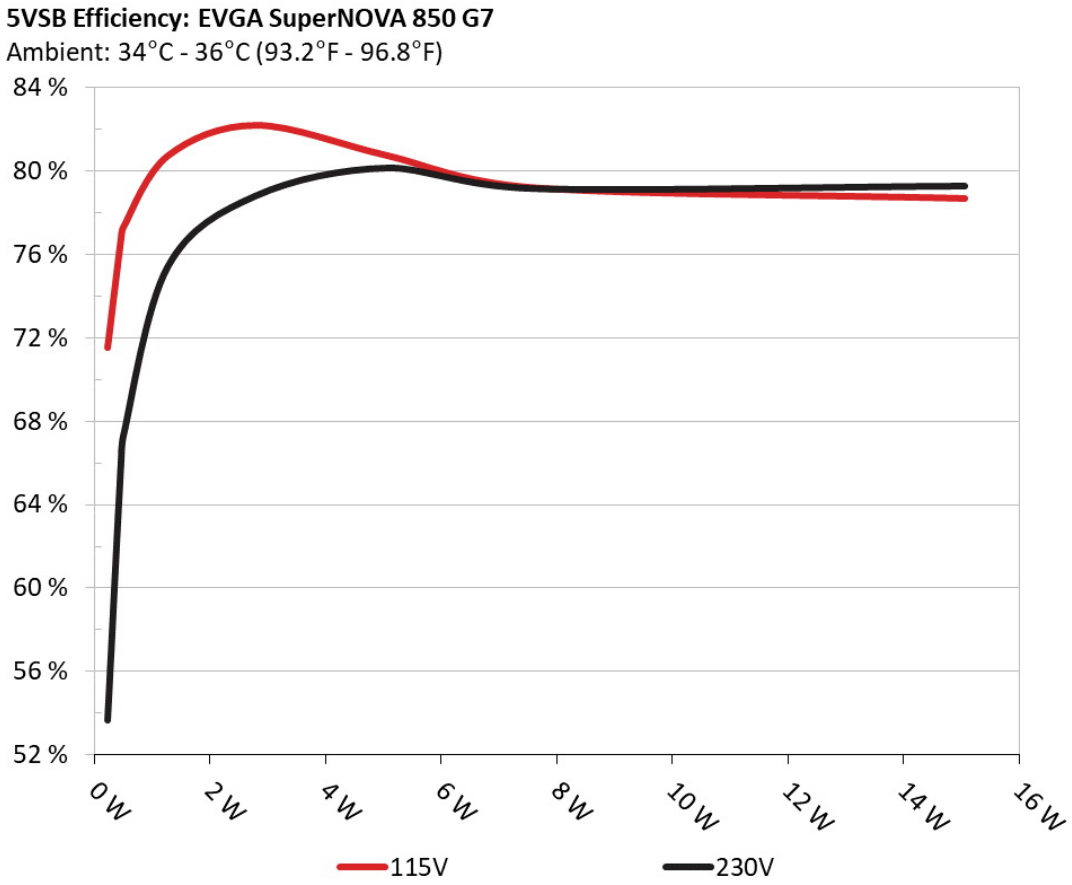
Efficiency under high ambient temperature



INFO

The PSU`s efficiency under high ambient temperatures with 115V and 230V input. For this graph the results of the 10-110% load regulation table are used

5VSB Efficiency



INFO

This graph depicts the efficiency levels of the 5VSB rail with 115V and 230V input

5VSB Efficiency (ERP LOT 3/6 & CEC)

115V

Test #	5VSB	DC/AC (Watts)	Efficiency	PF/AC Volts
1	0.045A	0.229W	71.509%	0.032
	5.095V	0.32W		115.15V
2	0.09A	0.459W	76.703%	0.06
	5.094V	0.598W		115.14V
3	0.55A	2.796W	82.185%	0.262
	5.082V	3.402W		115.15V
4	1A	5.074W	80.724%	0.362
	5.073V	6.285W		115.14V
5	1.5A	7.596W	79.19%	0.414
	5.063V	9.591W		115.15V
6	3.001A	15.056W	78.672%	0.478
	5.018V	19.137W		115.14V

230V

Test #	5VSB	DC/AC (Watts)	Efficiency	PF/AC Volts
1	0.045A	0.23W	53.648%	0.013
	5.097V	0.429W		230.33V
2	0.09A	0.459W	65.873%	0.021
	5.094V	0.697W		230.33V
3	0.55A	2.798W	78.819%	0.102
	5.085V	3.549W		230.33V
4	1A	5.075W	80.155%	0.168
	5.073V	6.331W		230.32V
5	1.5A	7.596W	79.166%	0.23
	5.063V	9.594W		230.33V
6	3.001A	15.069W	79.284%	0.331
	5.022V	19.006W		230.32V

Supplementary Tests (For Reference)

Typical Load Tests

115V

Test	12V	5V	3.3V	5VSB	DC/AC (Watts)	Efficiency	Fan Speed (RPM)	PSU Noise (dB[A])	Temps (In/Out)	PF/AC Volts
10%	5.158A	1.943A	1.943A	0.987A	85.022	87.313%	0	<6.0	44.85°C	0.97
	12.295V	5.147V	3.397V	5.069V	97.377				40.44°C	115.13V
20%	11.321A	2.917A	2.918A	1.186A	170.001	90.757%	0	<6.0	45.93°C	0.992
	12.286V	5.143V	3.394V	5.059V	187.311				41.08°C	115.11V
30%	17.834A	3.404A	3.407A	1.388A	255.027	91.83%	0	<6.0	46.85°C	0.992
	12.278V	5.142V	3.391V	5.046V	277.72				41.68°C	115.08V
40%	24.361A	3.892A	3.896A	1.589A	340.136	92.113%	0	<6.0	47.71°C	0.994
	12.271V	5.14V	3.389V	5.035V	369.258				41.94°C	115.06V
50%	30.554A	4.867A	4.874A	1.792A	425.218	91.929%	0	<6.0	48.39°C	0.995
	12.264V	5.137V	3.386V	5.023V	462.547				42.33°C	115.04V
60%	36.705A	5.844A	5.853A	1.994A	509.705	91.551%	0	<6.0	49.23°C	0.995
	12.257V	5.135V	3.383V	5.016V	556.746				42.57°C	115.02V
70%	42.988A	6.823A	6.844A	2.201A	595.029	90.901%	1288	31.7	43.21°C	0.995
	12.233V	5.132V	3.376V	5V	654.592				50.36°C	114.99V
80%	49.238A	7.803A	7.831A	2.306A	679.873	90.366%	1564	36.7	43.76°C	0.994
	12.225V	5.128V	3.371V	4.989V	752.364				52.04°C	114.96V
90%	55.891A	8.295A	8.314A	2.411A	765.312	89.716%	1976	43.3	44.81°C	0.994
	12.216V	5.126V	3.368V	4.98V	853.044				54.01°C	114.94V
100%	62.293A	8.787A	8.828A	3.028A	850.115	88.986%	2332	47.7	46.06°C	0.993
	12.206V	5.124V	3.365V	4.955V	955.33				56.16°C	114.91V
110%	68.574A	9.769A	9.91A	3.033A	934.686	88.128%	2693	51.2	47.3°C	0.993
	12.197V	5.12V	3.36V	4.948V	1060.586				58.19°C	114.88V
CL1	0.114A	14.089A	14.093A	0A	121.339	85.678%	1248	30.2	42.57°C	0.984
	12.287V	5.127V	3.385V	5.085V	141.629				48.03°C	115.12V

Test	12V	5V	3.3V	5VSB	DC/AC (Watts)	Efficiency	Fan Speed (RPM)	PSU Noise (dB[A])	Temps (In/Out)	PF/AC Volts
CL2	0.114A	23.473A	0A	0A	121.446	84.379%	1231	30.2	43.97°C	0.985
	12.289V	5.114V	3.399V	5.091V	143.926				50.17°C	115.12V
CL3	0.114A	0A	23.426A	0A	80.597	78.766%	870	19.5	44.65°C	0.972
	12.280V	5.149V	3.381V	5.083V	102.323				52.73°C	115.13V
CL4	69.588A	0A	0A	0A	849.771	89.583%	2088	45.9	45.35°C	0.993
	12.212V	5.14V	3.378V	5.045V	948.581				55.31°C	114.91V

The results above are not used in the certification process

230V

Test	12V	5V	3.3V	5VSB	DC/AC (Watts)	Efficiency	Fan Speed (RPM)	PSU Noise (dB[A])	Temps (In/Out)	PF/AC Volts
10%	5.158A	1.943A	1.943A	0.987A	85.025	88.698%	0	<6.0	44.64°C	0.795
	12.295V	5.147V	3.398V	5.069V	95.86				40.32°C	230.32V
20%	11.321A	2.917A	2.917A	1.186A	170.004	92.305%	0	<6.0	45.66°C	0.917
	12.286V	5.144V	3.394V	5.058V	184.177				40.73°C	230.3V
30%	17.835A	3.404A	3.407A	1.388A	255.029	93.346%	0	<6.0	46.77°C	0.954
	12.278V	5.142V	3.391V	5.046V	273.212				41.52°C	230.29V
40%	24.363A	3.892A	3.896A	1.589A	340.141	93.722%	0	<6.0	47.62°C	0.969
	12.270V	5.14V	3.388V	5.035V	362.928				41.98°C	230.28V
50%	30.562A	4.867A	4.875A	1.792A	425.25	93.733%	0	<6.0	48.25°C	0.976
	12.262V	5.138V	3.385V	5.023V	453.684				42.02°C	230.28V
60%	36.714A	5.844A	5.854A	1.994A	509.736	93.583%	0	<6.0	49.76°C	0.979
	12.255V	5.135V	3.383V	5.016V	544.687				42.93°C	230.27V
70%	42.988A	6.823A	6.844A	2.201A	595.062	93.087%	1279	31.5	43.1°C	0.981
	12.234V	5.131V	3.376V	4.999V	639.254				50.44°C	230.25V
80%	49.240A	7.804A	7.832A	2.306A	679.897	92.851%	1549	36.5	43.97°C	0.981
	12.225V	5.128V	3.371V	4.989V	732.244				52.14°C	230.24V
90%	55.896A	8.296A	8.315A	2.411A	765.344	92.501%	1900	43.8	45.06°C	0.979
	12.216V	5.126V	3.368V	4.979V	827.396				54.25°C	230.23V

Test	12V	5V	3.3V	5VSB	DC/AC (Watts)	Efficiency	Fan Speed (RPM)	PSU Noise (dB[A])	Temps (In/Out)	PF/AC Volts
100%	62.299A	8.787A	8.83A	3.028A	850.147	92.047%	2282	47.7	45.13°C	0.978
	12.206V	5.124V	3.364V	4.954V	923.599				55.26°C	230.23V
110%	68.583A	9.77A	9.912A	3.033A	934.728	91.574%	2655	50.8	46.41°C	0.977
	12.195V	5.121V	3.36V	4.946V	1020.725				57.32°C	230.22V
CL1	0.114A	14.088A	14.09A	0A	121.34	87.331%	1239	30.2	42.26°C	0.876
	12.288V	5.127V	3.385V	5.084V	138.948				48.82°C	230.32V
CL2	0.114A	23.472A	0A	0A	121.449	85.86%	0	<6.0	51.31°C	0.879
	12.289V	5.114V	3.399V	5.09V	141.461				43.99°C	230.31V
CL3	0.114A	0A	23.419A	0A	80.598	80.209%	874	19.6	44.7°C	0.807
	12.282V	5.149V	3.381V	5.081V	100.48				52.97°C	230.32V
CL4	69.598A	0A	0A	0A	849.8	92.674%	1992	43.7	45.36°C	0.978
	12.211V	5.14V	3.378V	5.044V	916.978				55.31°C	230.23V

The results above are not used in the certification process

Light Load Tests

115V

Test	12V	5V	3.3V	5VSB	DC/AC (Watts)	Efficiency	Fan Speed (RPM)	PSU Noise (dB[A])	Temps (In/Out)	PF/AC Volts
20W	1.209A	0.486A	0.485A	0.196A	20.021	70.679%	0	<6.0	40.04°C	0.806
	12.299V	5.149V	3.399V	5.094V	28.329				36.93°C	115.15V
40W	2.660A	0.68A	0.68A	0.295A	40.019	81.124%	0	<6.0	40.92°C	0.913
	12.298V	5.149V	3.399V	5.089V	49.331				37.59°C	115.14V
60W	4.110A	0.874A	0.874A	0.393A	60.018	85.315%	0	<6.0	42.84°C	0.95
	12.297V	5.149V	3.399V	5.085V	70.347				39.13°C	115.14V
80W	5.560A	1.068A	1.068A	0.492A	79.989	87.556%	0	<6.0	43.35°C	0.968
	12.296V	5.148V	3.398V	5.081V	91.357				39.39°C	115.13V

The results above are not used in the certification process

230V

Test	12V	5V	3.3V	5VSB	DC/AC (Watts)	Efficiency	Fan Speed (RPM)	PSU Noise (dB[A])	Temps (In/Out)	PF/AC Volts
20W	1.210A	0.486A	0.485A	0.196A	20.023	71.802%	0	<6.0	40.05°C	0.449
	12.299V	5.15V	3.4V	5.095V	27.884				37.03°C	230.32V
40W	2.660A	0.68A	0.68A	0.295A	40.021	82.417%	0	<6.0	41.14°C	0.592
	12.297V	5.149V	3.399V	5.089V	48.56				37.84°C	230.32V
60W	4.110A	0.874A	0.874A	0.394A	60.02	86.641%	0	<6.0	42.47°C	0.701
	12.297V	5.149V	3.399V	5.085V	69.276				38.95°C	230.31V
80W	5.560A	1.068A	1.068A	0.492A	79.993	88.94%	0	<6.0	43.24°C	0.779
	12.296V	5.149V	3.399V	5.081V	89.942				39.41°C	230.31V

The results above are not used in the certification process

Ripple Measurements

115V

Test	12V	5V	3.3V	5VSB	Pass/Fail
10% Load	6.30mV	4.90mV	6.70mV	8.49mV	Pass
20% Load	7.47mV	5.26mV	6.65mV	10.03mV	Pass
30% Load	7.62mV	5.82mV	7.41mV	9.88mV	Pass
40% Load	7.98mV	6.74mV	7.41mV	9.26mV	Pass
50% Load	8.67mV	6.69mV	7.82mV	10.34mV	Pass
60% Load	9.26mV	7.20mV	8.80mV	12.13mV	Pass
70% Load	9.90mV	7.25mV	9.56mV	13.25mV	Pass
80% Load	10.82mV	8.12mV	9.71mV	13.51mV	Pass
90% Load	11.87mV	9.91mV	11.15mV	13.87mV	Pass
100% Load	18.58mV	10.41mV	11.87mV	16.33mV	Pass
110% Load	20.42mV	14.02mV	12.66mV	15.63mV	Pass
Crossload1	10.18mV	7.45mV	8.60mV	6.77mV	Pass
Crossload2	6.75mV	6.28mV	7.72mV	5.48mV	Pass

Test	12V	5V	3.3V	5VSB	Pass/Fail
Crossload3	6.86mV	6.38mV	8.18mV	4.14mV	Pass
Crossload4	18.36mV	9.83mV	10.53mV	6.55mV	Pass

The results above are not used in the certification process

230V

Test	12V	5V	3.3V	5VSB	Pass/Fail
10% Load	6.14mV	5.41mV	6.55mV	8.95mV	Pass
20% Load	6.81mV	5.51mV	6.85mV	10.24mV	Pass
30% Load	6.88mV	5.82mV	6.96mV	9.88mV	Pass
40% Load	7.47mV	6.69mV	7.87mV	9.11mV	Pass
50% Load	8.51mV	6.28mV	8.95mV	10.90mV	Pass
60% Load	9.29mV	7.66mV	8.49mV	11.87mV	Pass
70% Load	10.16mV	8.02mV	9.56mV	12.74mV	Pass
80% Load	10.72mV	8.02mV	10.23mV	13.46mV	Pass
90% Load	11.59mV	9.50mV	10.69mV	13.61mV	Pass
100% Load	18.29mV	10.63mV	12.37mV	16.17mV	Pass
110% Load	19.95mV	16.23mV	13.15mV	16.13mV	Pass
Crossload1	9.59mV	7.31mV	8.35mV	6.11mV	Pass
Crossload2	6.91mV	6.03mV	7.67mV	4.91mV	Pass
Crossload3	6.75mV	6.59mV	8.18mV	4.45mV	Pass
Crossload4	17.80mV	9.25mV	10.96mV	7.26mV	Pass

The results above are not used in the certification process

EVGA SuperNOVA 850 G7



Top side



Power specifications label

All data and graphs included in this test report can be used by any individual on the following conditions:
› It should be mentioned that the test results are provided by Cybenetics
› The link to the original test results document should be provided in any case

Cybenetics runs voluntary certification programs for power supplies - ETA for efficiency, LAMBDA for noise and SAFE for safety and correct operation - and for cooling products, with DELTA for chassis soundproofing and PHI for fan airflow and static pressure. THETA rates cooler performance on AMD AM5 and Intel LGA1851 outside ISO 17065 and accreditation scope

CYBENETICS LTD Syrou 6, Latsia, 2231, Nicosia Cyprus

www.cybenetics.com - info@cybenetics.com