ASUS TUF GAMING 1200W Platinum

Serial Number -

Lab ID AS12003231

Certification ID 263231

Test Result Report ID: 26PS3231A

Certificate Issue Date: Apr 15, 2026

Scheme: ETA-EMI PSU

115V



230V



115V



230V



Scheme: LAMBDA PSU



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	ASUS
Model	TUF GAMING 1200W Platinum
OEM/ODM	Great Wall
Serial Number	-
Product Specifications	
Manufacturer-Provided Information	
Rated Voltage (Vrms)	100-240
Rated Current (Arms)	8-15

Rated Frequency (Hz)	47-63
Rated Power (W)	1200
Operating Temperature (Continuous Full Load) (°C)	0 - 40
Type	ATX12V
Cable Design	Fully Modular
Warranty	10 years
Cybenetics Measurements	
Dimensions (W x H x D)	150 x 85 x 150mm
Weight	1.60 kg (3.53 lb)
Cooling	135mm Ball Bearing Fan (HA13525M12B-Z)
Semi-Passive Operation	✗
Cybenetics Testing Information	
Lab ID	AS12003231
Date of receipt	Feb 18, 2026
Testing Date	Apr 7, 2026
Report Issued Date	Apr 15, 2026
DUT Notes	The voltage of 3.3V rail drops low (<3.14V) during high power transient testing. As a result, this unit cannot get ATXv3.1 certification from Cybenetics.
Engineer Name	Georgios Theodoros Sarimpalas
Authorized By the Laboratory Technical Manager	Aristeidis Bitziopoulos
Signature	

Cables and Connectors
(Non-accredited measurements)

Modular Cables				
Description	**Cable Count**	**Connector Count (Total)**	**Gauge**	**Cable Type**
ATX connector 20+4 pin (600mm)	1	1	18-22AWG	Tinned Copper
4+4 pin EPS12V (750mm)	2	2	18AWG	Tinned Copper
6+2 pin PCIe (600mm)	6	6	16-18AWG	Tinned Copper
12+4 pin PCIe (600mm) (600W)	2	2	16-24AWG	Tinned Copper
SATA (590mm+150mm+150mm)	3	9	18AWG	Tinned Copper

Modular Cables				
SATA (590mm+150mm) / 4-pin Molex (+150mm)	2	4 / 2	18AWG	Tinned Copper

Protection Features

Under Voltage Protection	✓
Over Power Protection	✓
Over Current (+12V) Protection	✓
Over Temperature Protection	✓
Short Circuit Protection	✓
Surge Protection	✓
Inrush Current Protection	✓
Fan Failure Protection	✗

Power Specifications

Rail		3.3V	5V	12V	5VSB	-12V
Max. Power	Amps	25	25	100	3	0.3
	Watts	125		1200	15	3.6
Total Max. Power (W)		1200				

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)	90.433%
Average Noise Output (>1450 Load Combinations)	26.27dBA
Average PF (>1450 Load Combinations)	0.982
Efficiency With 10W (≤500W) or 2% (>500W) Load	76.858%
Standby Power Consumption	0.0629W
Non-Accredited	
12V Ripple (Full Load)	30.73mV
5V Ripple (Full Load)	17.93mV
3.3V Ripple (Full Load)	15.62mV
5VSB Ripple (Full Load)	17.81mV
12V Load Regulation	0.84%
5V Load Regulation	0.49%
3.3V Load Regulation	2.69%
5VSB Load Regulation	2.71%
Inrush Current	23.800A

230V

Accredited	
Average Efficiency (>1450 load combinations)	92.154%
Average Noise Output (>1450 Load Combinations)	26.22dBA
Average PF (>1450 Load Combinations)	0.951
Efficiency With 10W (≤500W) or 2% (>500W) Load	75.423%
Standby Power Consumption	0.1314W
Non-Accredited	
12V Ripple (Full Load)	34.13mV
5V Ripple (Full Load)	19.01mV
3.3V Ripple (Full Load)	15.77mV

5VSB Ripple (Full Load)		17.60mV
12V Load Regulation		0.87%
5V Load Regulation		0.57%
3.3V Load Regulation		2.56%
5VSB Load Regulation		2.65%
Inrush Current		50.650A
12V Transient Response (200%)		11.32V
5V Transient Response (200%)		4.947V
3.3V Transient Response (200%)		3.088V
5VSB Transient Response (200%)		4.983V
Hold-Up Time & PWR_OK Signal		15.40ms
AC Loss to PWR_OK Hold Up Time		11.50ms
PWR_OK Inactive to DC Loss Delay		3.90ms
PSU Timings: T1 (20% / 100%)	49.0ms	49.0ms
PSU Timings: T3 (20% / 100%)	123.0ms	123.0ms
12V OCP (31.5°C / 45.6°C)	129.00A (129.00%), 12.037V	125.40A (125.40%), 12.039V
5V OCP (31.5°C / 45.6°C)	33.6A (134.40%), 5.068V	33.4A (133.60%), 5.074V
3.3V OCP (31.5°C / 45.6°C)	34.2A (136.80%), 3.232V	33.9A (135.60%), 3.23V
5VSB OCP (31.5°C / 45.6°C)	4.9A (163.33%), 5.111V	4.7A (156.67%), 5.112V
OPP (31.01°C / 43.82°C)	128.22%	123.22%

Hold-Up Time & PWR_OK Signal

Hold-Up Time (ms)	15.4
AC Loss to PWR_OK Hold Up Time (ms)	11.5
PWR_OK Inactive to DC Loss Delay (ms)	3.9

Stromverbrauch im Ruhezustand

Tables

115V

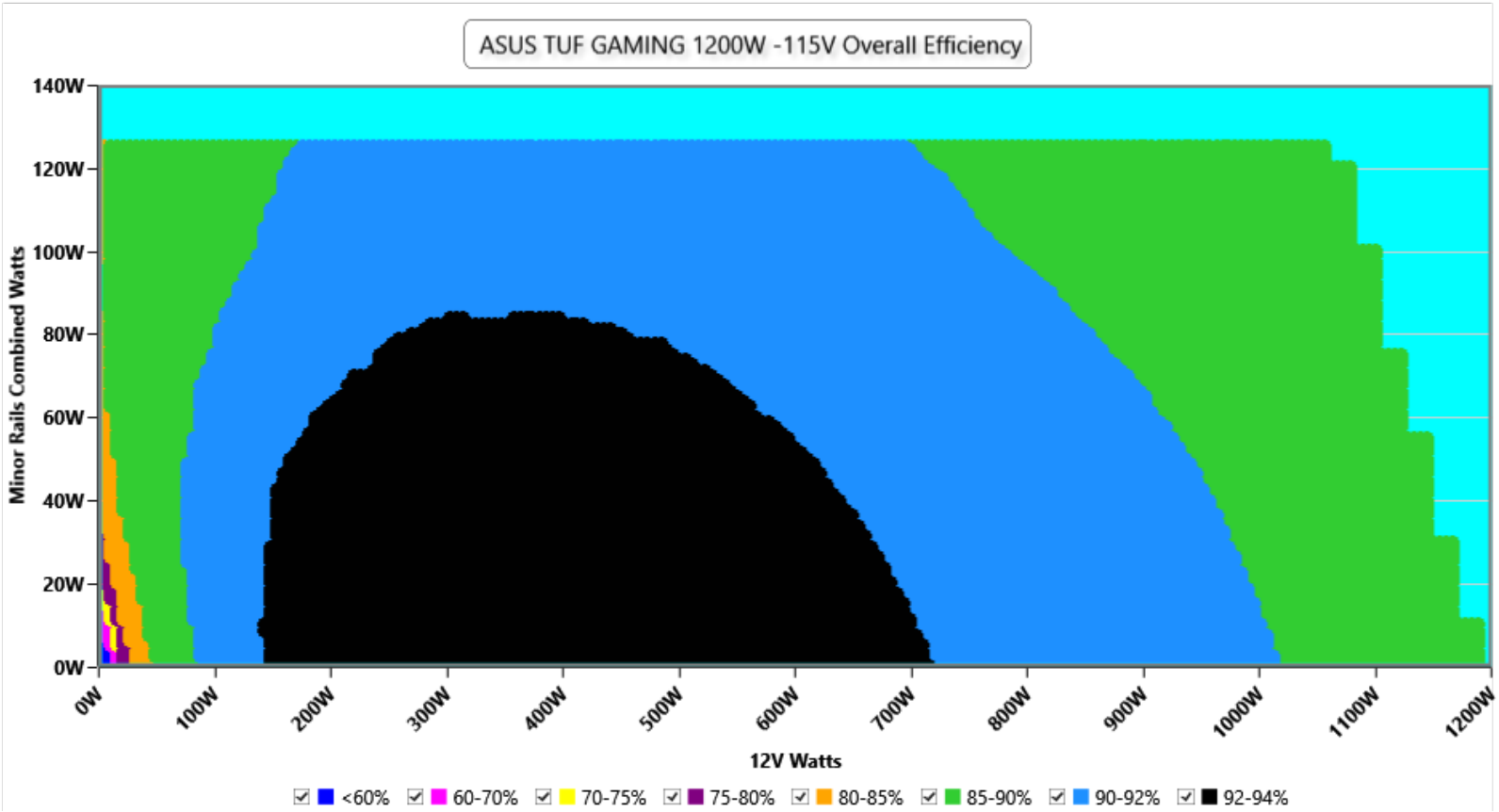
Detailed Results						
	Average	Min	Limit Min	Max	Limit Max	Result
Mains Voltage RMS:	115.00 V	114.97 V	113.85 V	115.04 V	116.15 V	PASS
Mains Frequency:	60.00 Hz	59.97 Hz	59.40 Hz	60.02 Hz	60.60 Hz	PASS
Mains Voltage CF:	1.419	1.418	1.340	1.421	1.490	PASS
Mains Voltage THD:	0.13 %	0.09 %	N/A	0.19 %	2.00 %	PASS
Real Power:	0.063 W	0.042 W	N/A	0.090 W	N/A	N/A
Apparent Power:	10.204 W	10.106 W	N/A	10.308 W	N/A	N/A
Power Factor:	0.007	N/A	N/A	N/A	N/A	N/A

230V

Detailed Results						
	Average	Min	Limit Min	Max	Limit Max	Result
Mains Voltage RMS:	230.92 V	230.82 V	227.70 V	230.97 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:	1.420	1.419	1.340	1.421	1.490	PASS
Mains Voltage THD:	0.17 %	0.14 %	N/A	0.24 %	2.00 %	PASS
Real Power:	0.131 W	0.083 W	N/A	0.305 W	N/A	N/A
Apparent Power:	34.811 W	34.559 W	N/A	35.095 W	N/A	N/A
Power Factor:	0.003	N/A	N/A	N/A	N/A	N/A

Efficiency Graph

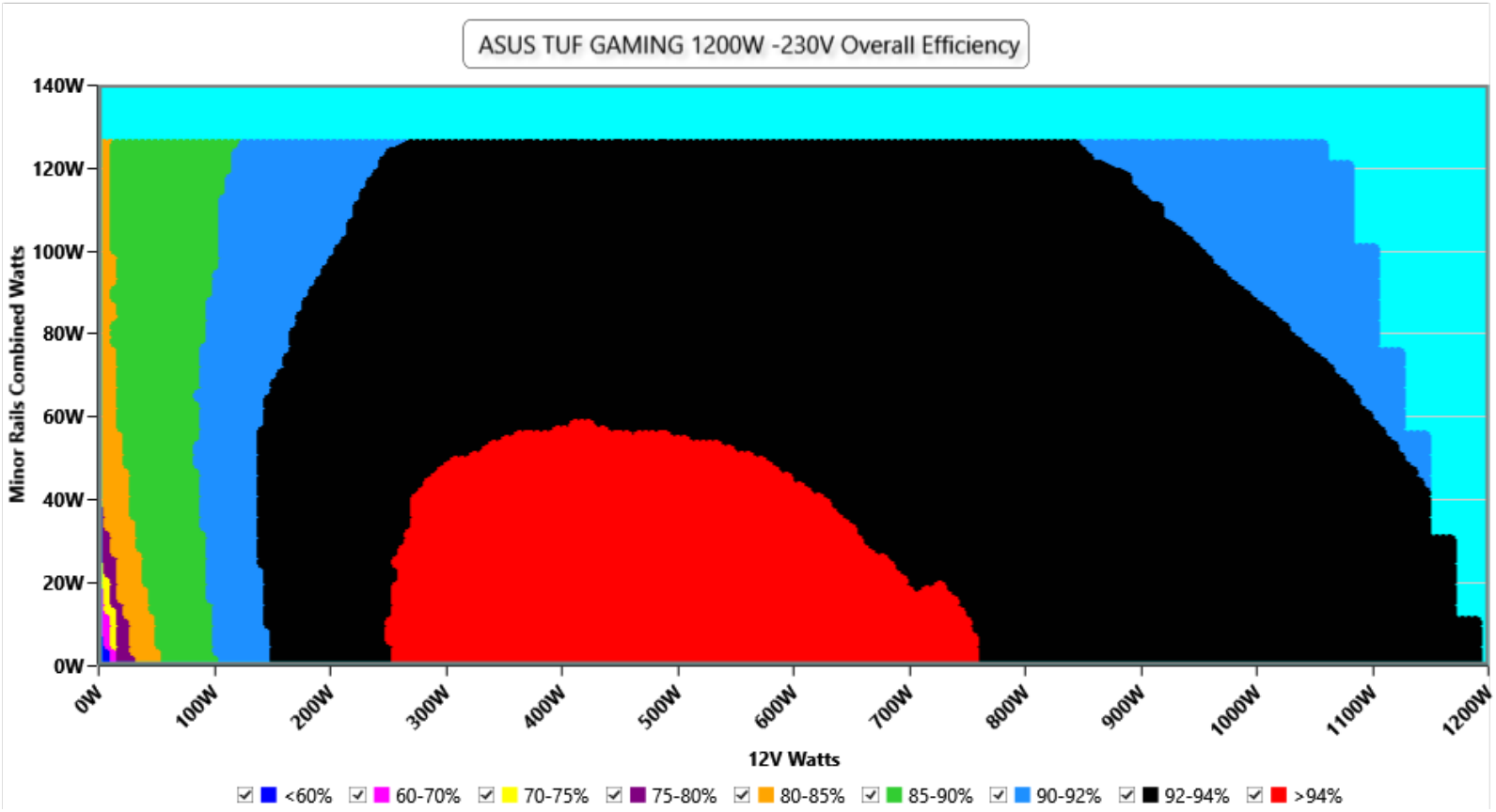
115V



INFO

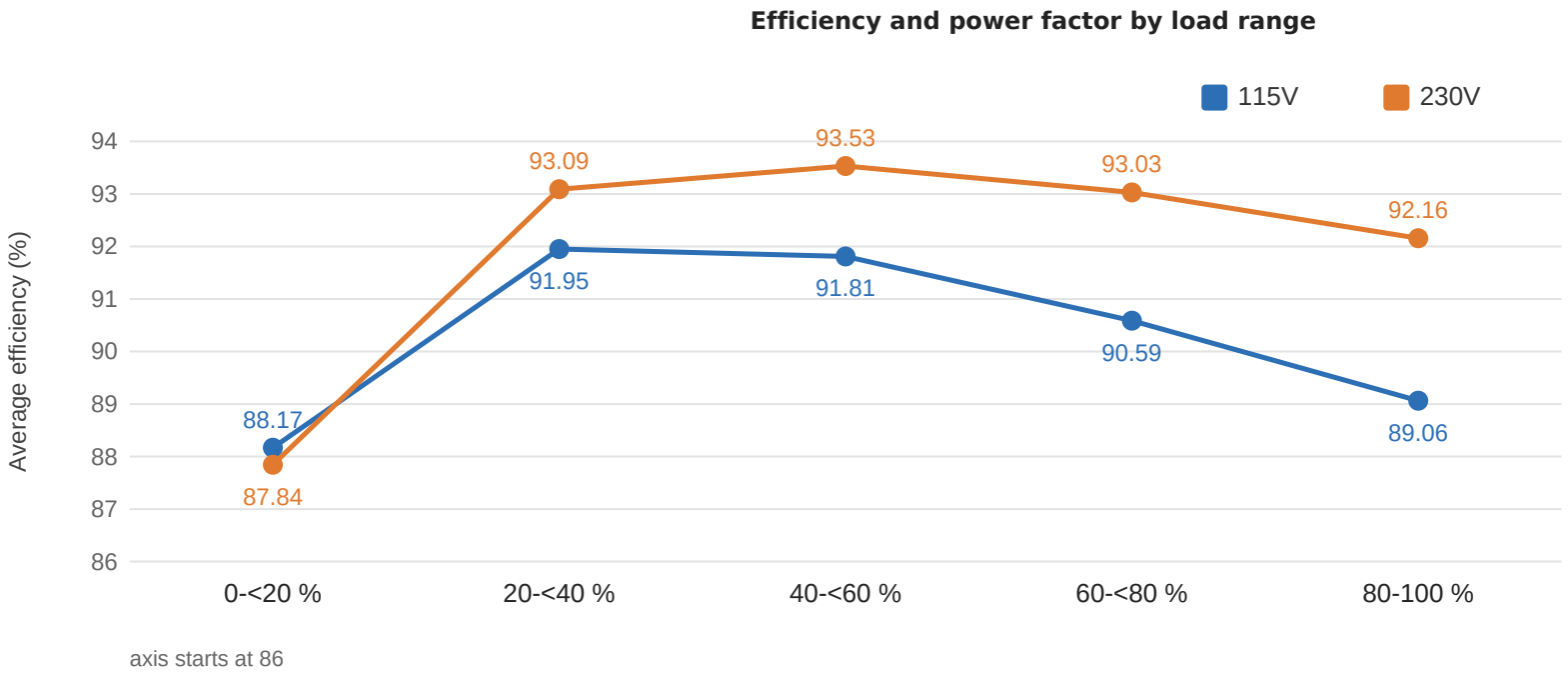
This graph depicts the PSU`s efficiency throughout its entire operational range. For the generation of the efficiency and noise graphs we set our loaders to auto mode through our custom-made software before trying thousands of possible load combinations

230V

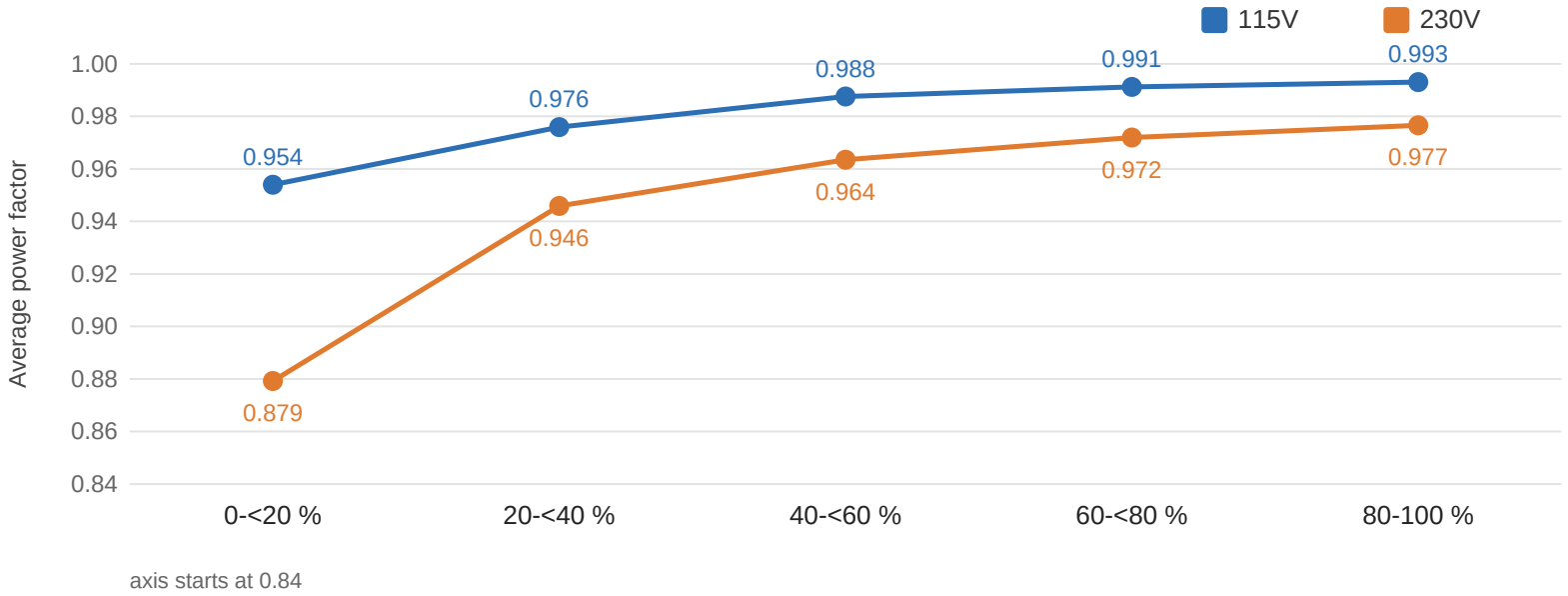


INFO

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



axis starts at 86



axis starts at 0.84

Load range	Points	Efficiency 115V	Efficiency 230V	PF 115V	PF 230V
0-<20 %	249 / 250	88.17%	87.84%	0.954	0.879
20-<40 %	339 / 339	91.95%	93.09%	0.976	0.946
40-<60 %	338 / 337	91.81%	93.53%	0.988	0.964
60-<80 %	338 / 338	90.59%	93.03%	0.991	0.972
80-100 %	342 / 342	89.06%	92.16%	0.993	0.977
70-100 % (High-Load)	512 / 512	89.45%	92.38%	0.993	0.976
All (published average)	1606 / 1606	90.43%	92.15%	0.982	0.951

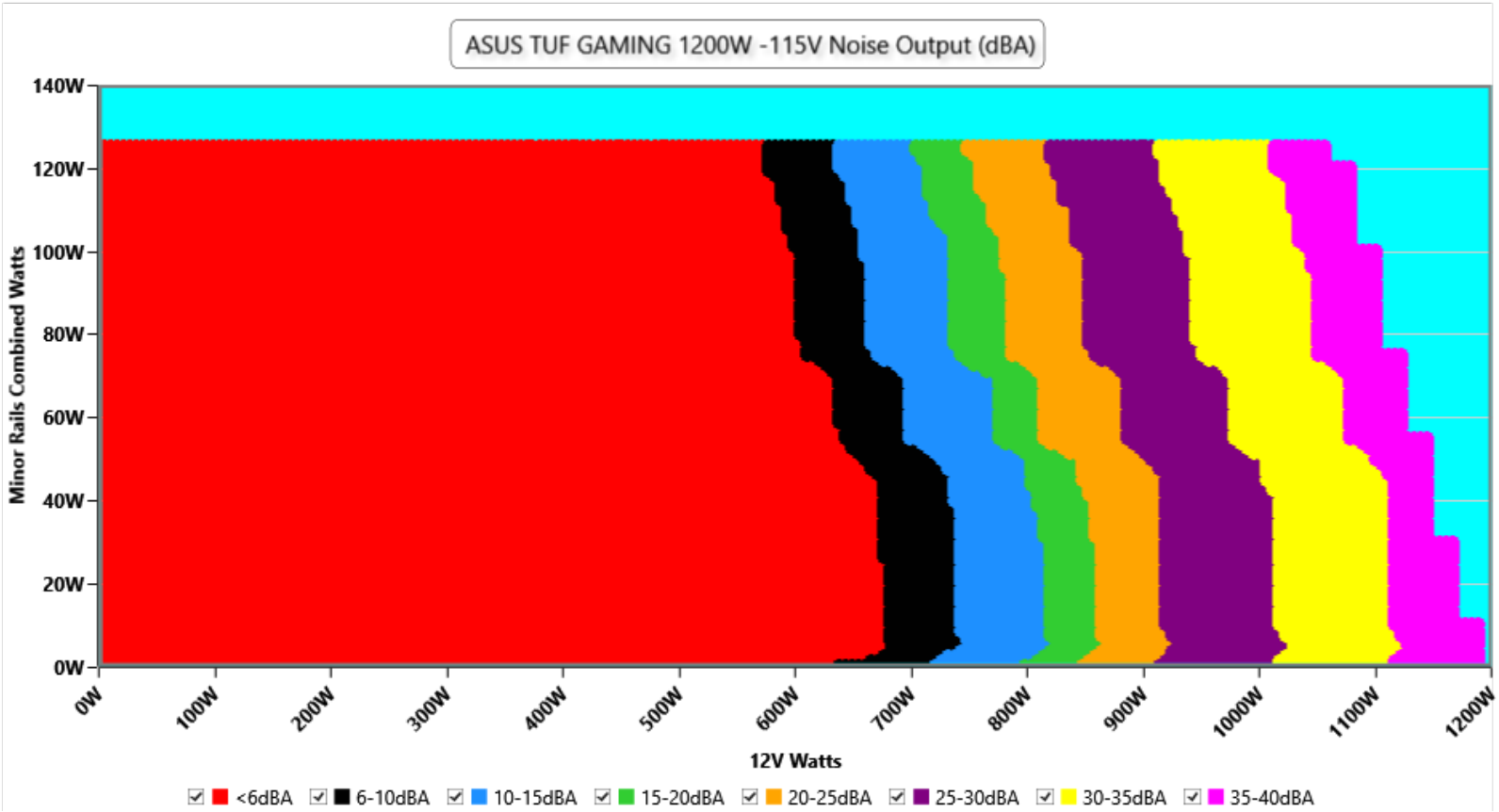
INFO

The average efficiency and power factor in five ranges of load. Calculated from the 1606 (115V) and 1606 (230V) load combinations of the certification sweep, the same data that ETA and LAMBDA use (test 0 excluded). Load is the total DC output as a share of the rated 1200 W. These are plain averages of the valid readings, as for the ETA rating, so the ranges combined give back the published averages.

Informational. Not part of the ETA or LAMBDA rating.

Noise Graph

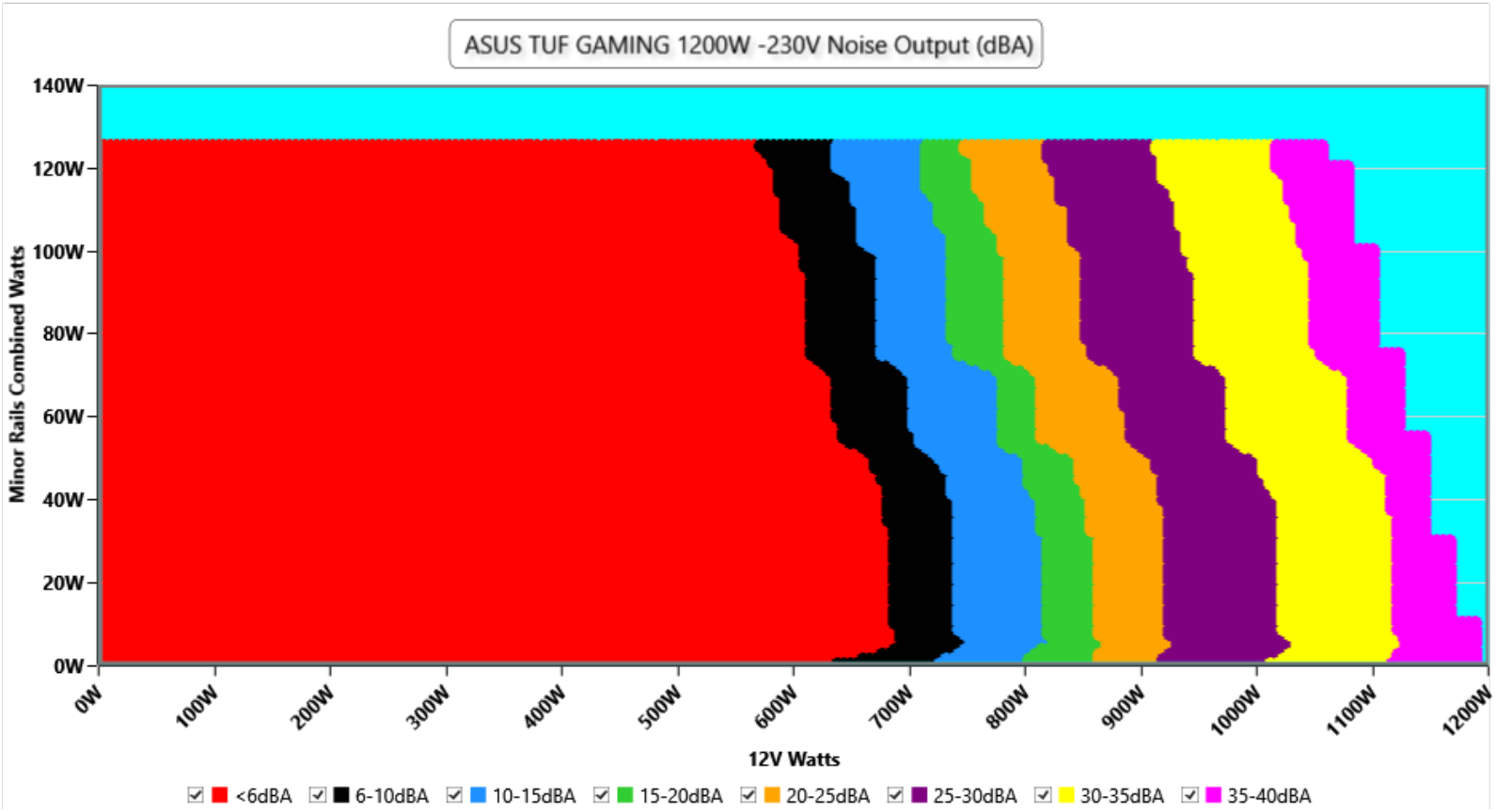
115V



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

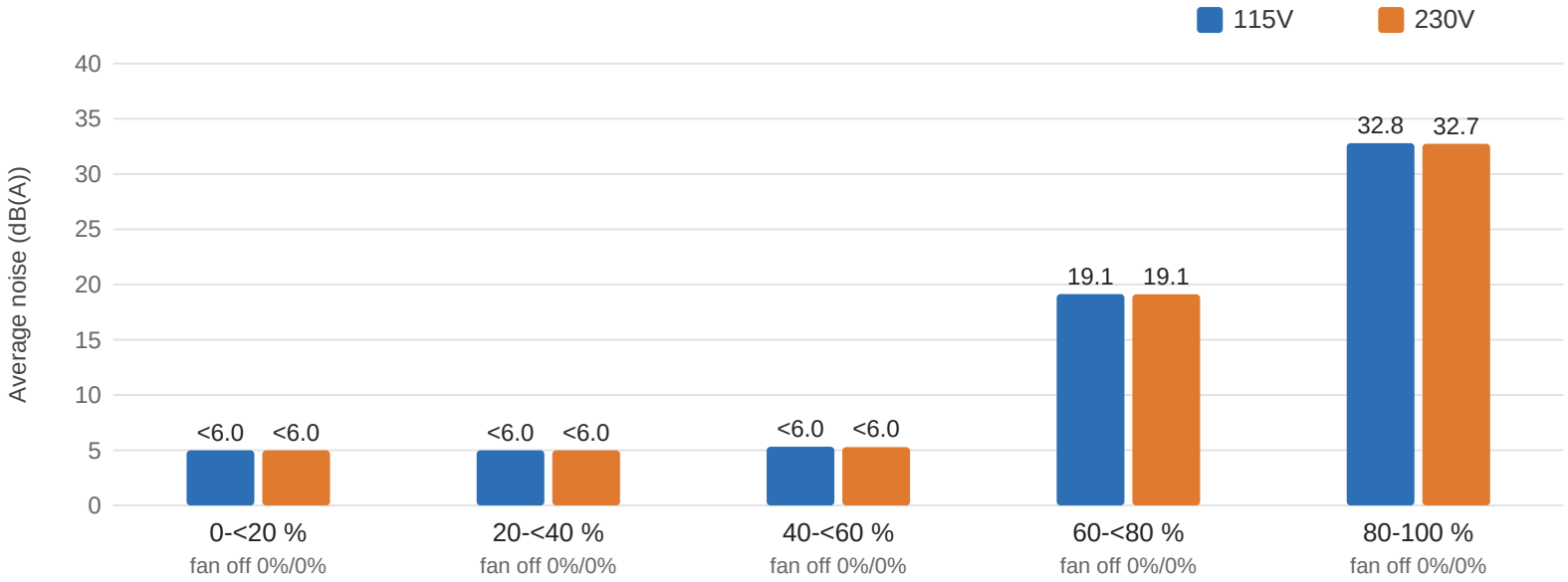
The PSU`s noise in its entire operational range and under 30-32 °C ambient is depicted in this graph. The X axis represents the load on the +12V rail(s) while the Y axis is the load on the minor rails

Noise by load range

High-Load Index (70-100 % load)

Noise **31.2 dB(A)** at 115V and **31.2 dB(A)** at 230V · loudest point 36.8 dB(A)

Efficiency 89.45% / 92.38% · power factor 0.993 / 0.976 (115V / 230V)



Load range	Noise 115V avg (loudest)	Noise 230V avg (loudest)	Fan off 115V / 230V
0-<20 %	<6.0 (<6.0)	<6.0 (<6.0)	0% / 0%
20-<40 %	<6.0 (<6.0)	<6.0 (<6.0)	0% / 0%
40-<60 %	<6.0 (8.6)	<6.0 (8.6)	0% / 0%
60-<80 %	19.1 (26.2)	19.1 (26.2)	0% / 0%
80-100 %	32.8 (36.8)	32.7 (36.8)	0% / 0%
70-100 % (High-Load)	31.2 (36.8)	31.2 (36.8)	0% / 0%
All (published average)	26.3 (36.8)	26.2 (36.8)	0% / 0%

INFO

The average noise in five ranges of load, the share of points with the fan stopped (semi-passive operation), and the High-Load Index: the same figures for all points at 70 % of the rated output and above. Calculated from the 1606 (115V) and 1606 (230V) load combinations of the certification sweep, the same data that ETA and LAMBDA use (test 0 excluded). Load is the total DC output as a share of the rated 1200 W. Noise is averaged on the energy scale, as for LAMBDA, so the ranges combined give back the published average noise. Each load combination is held for about five seconds; the stabilized readings at fixed loads are under "Noise under high ambient temperature". Below 6 dB(A), the floor of our sound meter, the table and the chart show <6.0. In the averages a stopped fan counts as 5 dB(A),

as in the published average.

Informational. Not part of the ETA or LAMBDA rating.

Noise under high ambient temperature (indicative)

115V

Load	Normal ambient fan · noise · intake	High ambient fan · noise · intake	Noise change
10%	386 RPM · <6.0 dB(A) · 31.1 °C	395 RPM · <6.0 dB(A) · 40.1 °C	<6.0 in both
20%	388 RPM · <6.0 dB(A) · 30.4 °C	396 RPM · <6.0 dB(A) · 40.6 °C	<6.0 in both
50%	389 RPM · <6.0 dB(A) · 31.9 °C	398 RPM · <6.0 dB(A) · 42.2 °C	<6.0 in both
100%	980 RPM · 25.9 dB(A) · 31.3 °C	1408 RPM · 35.8 dB(A) · 45.4 °C	**+9.9 dB(A)**

230V

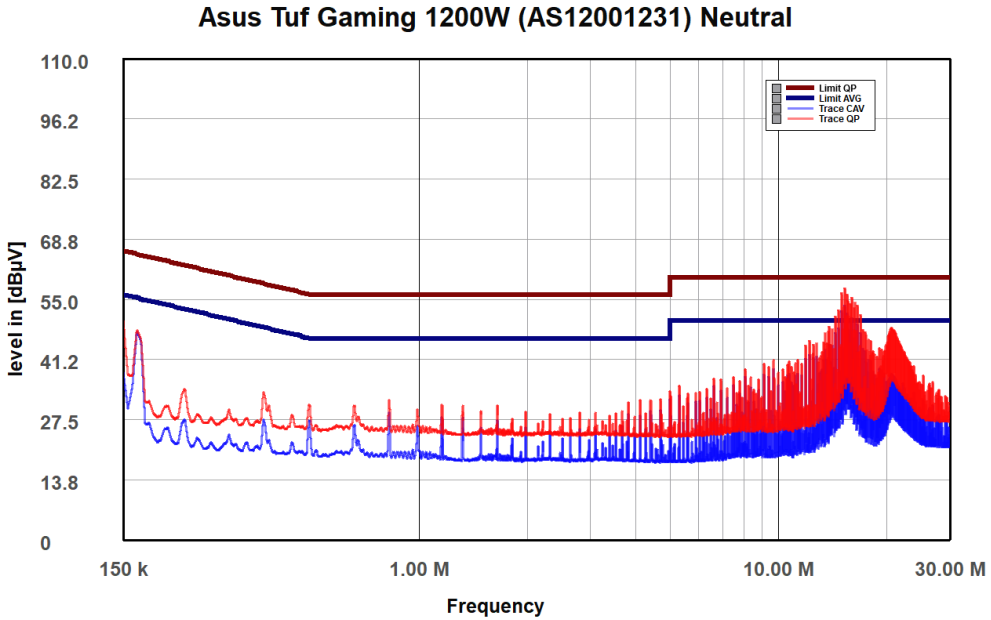
Load	Normal ambient fan · noise · intake	High ambient fan · noise · intake	Noise change
10%	389 RPM · <6.0 dB(A) · 30.6 °C	394 RPM · <6.0 dB(A) · 40.2 °C	<6.0 in both
20%	390 RPM · <6.0 dB(A) · 30.1 °C	393 RPM · <6.0 dB(A) · 40.6 °C	<6.0 in both
50%	390 RPM · <6.0 dB(A) · 30.8 °C	394 RPM · <6.0 dB(A) · 42.4 °C	<6.0 in both
100%	1396 RPM · 35.5 dB(A) · 31.8 °C	1403 RPM · 35.7 dB(A) · 45.7 °C	**+0.2 dB(A)**

INFO

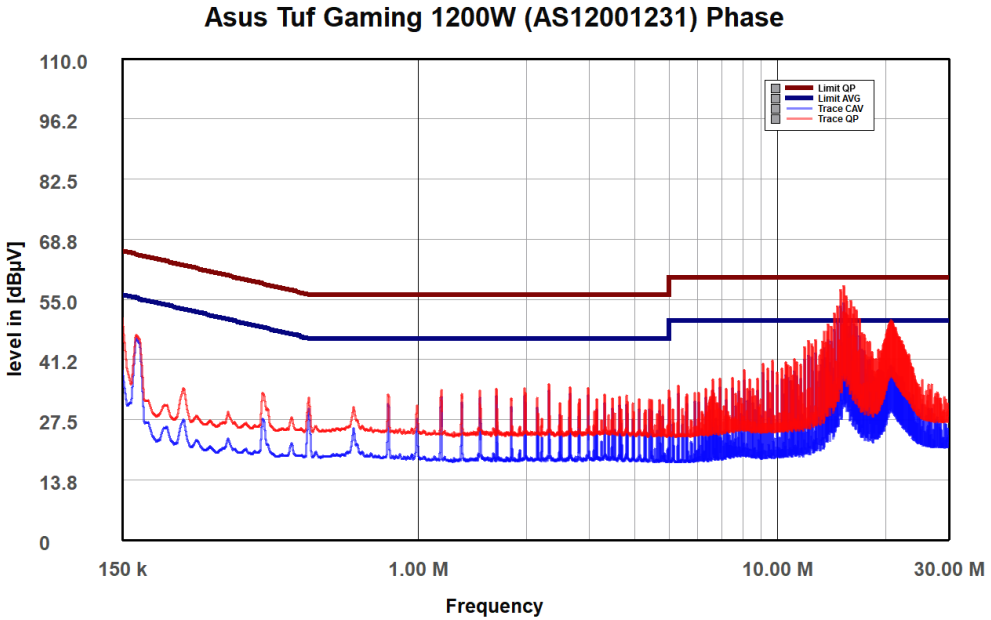
Fan speed, noise and the measured intake temperature at 10, 20, 50 and 100 % load, from the two load regulation tests: at normal ambient (about 30-32 °C) and at high ambient (about 40-47 °C). These are stabilized readings at fixed loads, not averages over the certification sweep, so they are indicative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

Informational. Not part of the ETA or LAMBDA rating.

Conducted Emissions EN 55032 & CISPR 32



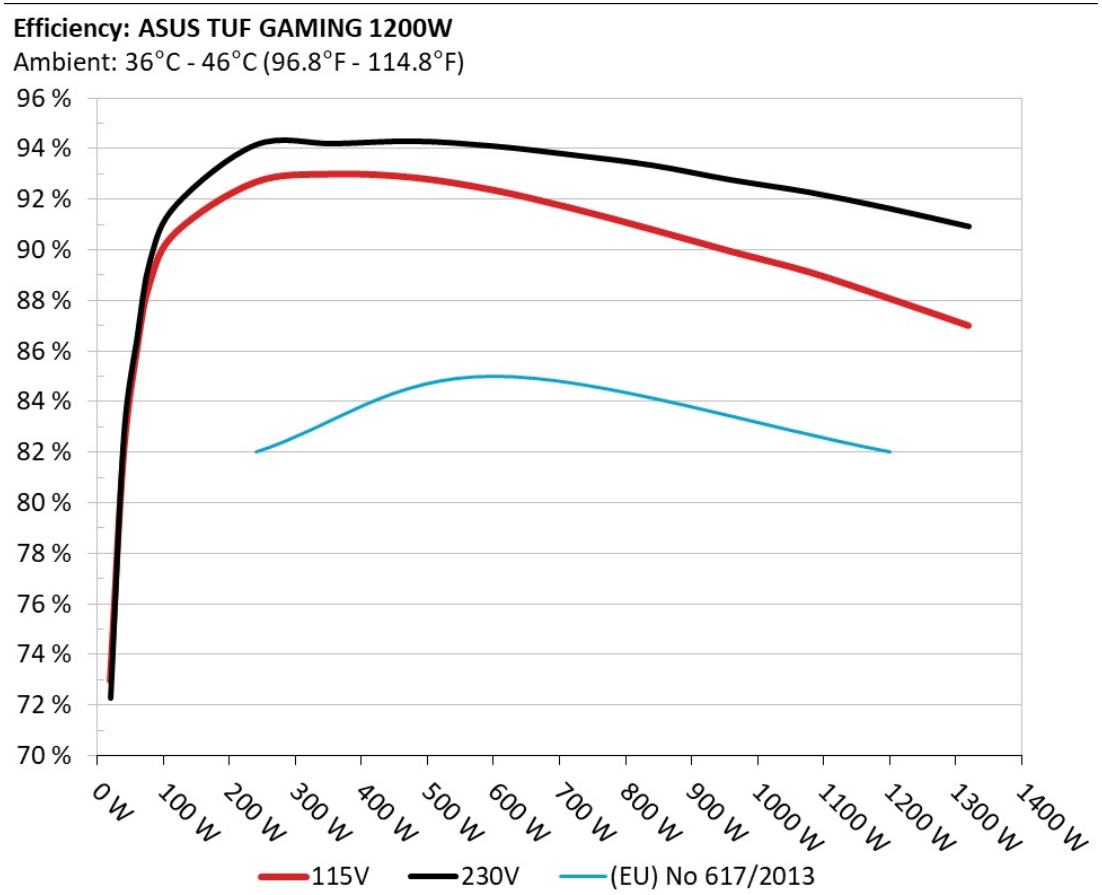
NEUTRAL



PHASE

Indicative Performance

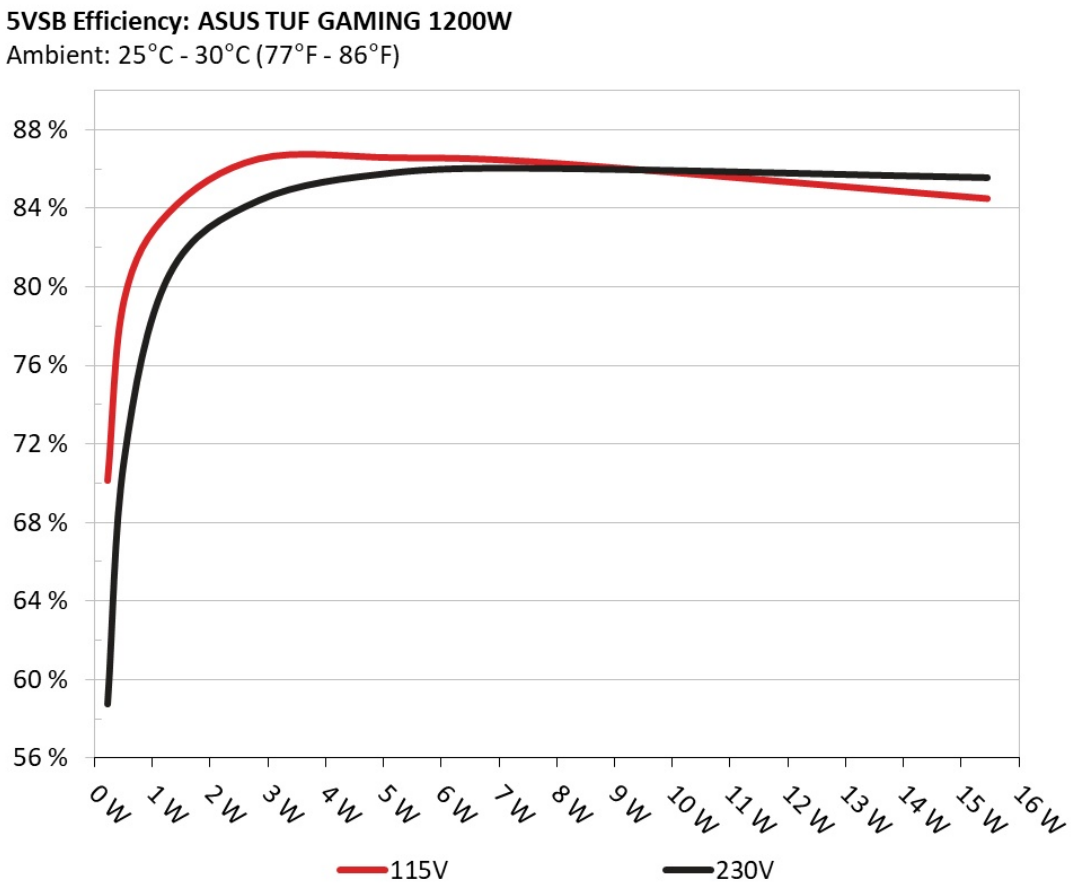
Efficiency under high ambient temperature



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**	0.234W	70.162%	0.033
	5.194V	0.333W		115.12V
2	**0.09A**	0.467W	78.398%	0.058
	5.193V	0.596W		115.11V
3	**0.55A**	2.852W	86.548%	0.256
	5.186V	3.295W		115.11V
4	**1A**	5.18W	86.604%	0.357
	5.18V	5.981W		115.1V
5	**1.5A**	7.759W	86.365%	0.412
	5.173V	8.985W		115.1V
6	**3A**	15.448W	84.524%	0.489
	5.15V	18.277W		115.1V

230V

Test #	5VSB	DC/AC (Watts)	Efficiency	PF/AC Volts
1	**0.045A**	0.234W	58.732%	0.012
	5.193V	0.398W		230.3V
2	**0.09A**	0.467W	69.07%	0.02
	5.192V	0.678W		230.31V
3	**0.55A**	2.852W	84.396%	0.098
	5.185V	3.379W		230.31V
4	**1A**	5.178W	85.808%	0.163
	5.178V	6.036W		230.3V
5	**1.5A**	7.757W	86.029%	0.222
	5.171V	9.013W		230.3V
6	**3A**	15.447W	85.555%	0.329
	5.149V	18.06W		230.3V

Protection Features

OCP (Normal @ 31.5°C)	12V: 129A (129%), 12.037V 5V: 33.6A (134.4%), 5.068V 3.3V: 34.2A (136.8%), 3.232V 5VSB: 4.9A (163.33%), 5.111V
OCP (Hot @ 45.6°C)	12V: 125.4A (125.4%), 12.039V 5V: 33.4A (133.6%), 5.074V 3.3V: 33.9A (135.6%), 3.23V 5VSB: 4.7A (156.67%), 5.112V
OPP (Normal @ 31°C)	1538.65W (128.22%)
OPP (Hot @ 43.8°C)	1478.61W (123.22%)
OTP	✓ (107°C @ 12V Heatsink)
SCP	12V to Earth: ✓ 5V to Earth: ✓ 3.3V to Earth: ✓ 5VSB to Earth: ✓ -12V to Earth: ✓
PWR_OK	Proper Operation
UVP (Full Load @ 90V)	✓
UVP (No Damage @ 80V)	✓
Conducted Emissions EN55032 & CISPR 32	✓
NLO	✓
Fan Failure Protection	✗
SIP	Surge: MOV Inrush: NTC & Bypass Relay

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%	**8.110A**	**1.966A**	**2.016A**	**0.968A**	120	90.724%	395	<6.0	40.14°C	0.955
	12.132V	5.088V	3.273V	5.168V	132.268				43.79°C	115.04V
20%	**17.247A**	**2.95A**	**3.034A**	**1.164A**	239.965	92.697%	396	<6.0	40.64°C	0.967
	12.122V	5.086V	3.264V	5.156V	258.868				46.65°C	115V
30%	**26.681A**	**3.444A**	**3.546A**	**1.361A**	359.216	93.017%	394	<6.0	41.15°C	0.976
	12.112V	5.083V	3.257V	5.144V	386.181				50.15°C	114.95V
40%	**36.225A**	**3.937A**	**4.061A**	**1.559A**	479.598	92.879%	396	<6.0	41.63°C	0.983
	12.102V	5.081V	3.25V	5.132V	516.372				54.4°C	114.91V
50%	**45.388A**	**4.924A**	**5.092A**	**1.758A**	599.326	92.387%	398	<6.0	42.17°C	0.988
	12.092V	5.079V	3.241V	5.119V	648.716				59.57°C	114.86V
60%	**54.632A**	**5.911A**	**6.128A**	**1.959A**	719.847	91.661%	420	6.8	42.94°C	0.991
	12.081V	5.077V	3.231V	5.106V	785.334				64.81°C	114.82V
70%	**63.825A**	**6.901A**	**7.173A**	**2.16A**	839.561	90.831%	660	14.3	43.39°C	0.992
	12.071V	5.073V	3.221V	5.092V	924.313				67.06°C	114.77V
80%	**73.107A**	**7.89A**	**8.225A**	**2.264A**	959.541	89.959%	933	24.1	43.86°C	0.992
	12.060V	5.07V	3.21V	5.08V	1066.648				68.11°C	114.72V
90%	**82.726A**	**8.388A**	**8.741A**	**2.368A**	1079.332	89.132%	1186	31.7	44.44°C	0.993
	12.050V	5.067V	3.203V	5.069V	1210.932				68.49°C	114.67V
100%	**92.169A**	**8.886A**	**9.289A**	**2.971A**	1199.355	88.096%	1408	35.8	45.36°C	0.994
	12.039V	5.064V	3.197V	5.05V	1361.42				71.39°C	114.62V
110%	**101.562A**	**9.878A**	**10.446A**	**2.977A**	1319.946	87.014%	1565	38.8	46.04°C	0.995
	12.028V	5.062V	3.187V	5.039V	1516.941				74.9°C	114.57V
CL1	**0.116A**	**14.82A**	**15.534A**	**0A**	126.303	83.898%	401	<6.0	41.56°C	0.958
	12.126V	5.081V	3.193V	5.164V	150.545				59.5°C	115.04V

Test	12V	5V	3.3V	5VSB	DC/AC (Watts)	Efficiency	Fan Speed (RPM)	PSU Noise (dB[A])	Temps (In/Out)	PF/AC Volts
CL2	**0.116A**	**24.578A**	**0A**	**0A**	126.278	82.326%	401	<6.0	41.19°C	0.958
	12.124V	5.081V	3.292V	5.171V	153.388				54.74°C	115.04V
CL3	**0.115A**	**0A**	**26.213A**	**0A**	83.884	75.095%	462	7.7	40.77°C	0.955
	12.135V	5.094V	3.147V	5.165V	111.705				50.6°C	115.05V
CL4	**99.622A**	**0A**	**0A**	**0A**	1199.925	88.872%	1428	36.4	45.49°C	0.994
	12.045V	5.076V	3.259V	5.104V	1350.17				68.47°C	114.63V

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%	**8.112A**	**1.966A**	**2.015A**	**0.968A**	120.007	91.791%	394	<6.0	40.15°C	0.876
	12.131V	5.087V	3.275V	5.165V	130.74				43.32°C	230.26V
20%	**17.248A**	**2.951A**	**3.031A**	**1.164A**	239.971	94.14%	393	<6.0	40.63°C	0.932
	12.121V	5.084V	3.266V	5.153V	254.909				45.36°C	230.24V
30%	**26.685A**	**3.444A**	**3.543A**	**1.362A**	359.225	94.184%	394	<6.0	41.36°C	0.947
	12.111V	5.083V	3.26V	5.142V	381.41				47.23°C	230.22V
40%	**36.230A**	**3.938A**	**4.057A**	**1.56A**	479.605	94.282%	394	<6.0	41.74°C	0.957
	12.100V	5.08V	3.254V	5.13V	508.691				47.88°C	230.2V
50%	**45.394A**	**4.925A**	**5.085A**	**1.759A**	599.326	94.089%	394	<6.0	42.35°C	0.964
	12.090V	5.077V	3.245V	5.117V	636.976				49.35°C	230.18V
60%	**54.641A**	**5.914A**	**6.12A**	**1.959A**	719.844	93.738%	415	6.2	42.63°C	0.968
	12.079V	5.074V	3.236V	5.105V	767.934				51.56°C	230.16V
70%	**63.833A**	**6.905A**	**7.161A**	**2.161A**	839.551	93.333%	652	13.8	43.27°C	0.974
	12.070V	5.071V	3.226V	5.092V	899.519				53.08°C	230.14V
80%	**73.118A**	**7.894A**	**8.207A**	**2.264A**	959.53	92.753%	928	24	43.74°C	0.975
	12.058V	5.067V	3.217V	5.08V	1034.503				53.76°C	230.11V
90%	**82.741A**	**8.392A**	**8.722A**	**2.367A**	1079.32	92.257%	1180	31.6	44.52°C	0.977
	12.048V	5.064V	3.21V	5.07V	1169.905				53.38°C	230.09V

Test	12V	5V	3.3V	5VSB	DC/AC (Watts)	Efficiency	Fan Speed (RPM)	PSU Noise (dB[A])	Temps (In/Out)	PF/AC Volts
100%	**92.190A**	**8.891A**	**9.272A**	**2.97A**	1199.342	91.625%	1403	35.7	45.74°C	0.979
	12.036V	5.061V	3.203V	5.051V	1308.97				53.89°C	230.07V
110%	**101.589A**	**9.884A**	**10.427A**	**2.977A**	1319.942	90.912%	1564	38.8	46.34°C	0.981
	12.025V	5.058V	3.193V	5.04V	1451.899				55.27°C	230.05V
CL1	**0.116A**	**14.827A**	**15.485A**	**0A**	126.302	85.19%	399	<6.0	40.46°C	0.89
	12.128V	5.079V	3.203V	5.165V	148.259				50.11°C	230.27V
CL2	**0.115A**	**24.587A**	**0A**	**0A**	126.276	83.465%	398	<6.0	40.72°C	0.891
	12.126V	5.079V	3.291V	5.172V	151.294				47.54°C	230.27V
CL3	**0.114A**	**0A**	**26.094A**	**0A**	83.881	76.111%	458	7.7	40.24°C	0.859
	12.136V	5.092V	3.161V	5.166V	110.206				45.13°C	230.28V
CL4	**99.646A**	**0A**	**0A**	**0A**	1199.906	92.218%	1421	36.3	45.78°C	0.979
	12.042V	5.072V	3.257V	5.105V	1301.168				51.07°C	230.08V

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	**1.224A**	**0.491A**	**0.503A**	**0.193A**	20.006	72.951%	390	<6.0	36.17°C	0.857
	12.140V	5.087V	3.283V	5.187V	27.423				37.36°C	115.08V
40W	**2.694A**	**0.688A**	**0.704A**	**0.289A**	40.004	81.799%	392	<6.0	37.92°C	0.906
	12.139V	5.089V	3.283V	5.185V	48.905				39.72°C	115.08V
60W	**4.164A**	**0.884A**	**0.905A**	**0.386A**	60.003	85.974%	392	<6.0	38.56°C	0.938
	12.137V	5.089V	3.282V	5.182V	69.792				39.97°C	115.07V
80W	**5.630A**	**1.081A**	**1.107A**	**0.483A**	79.95	88.704%	393	<6.0	39.1°C	0.946
	12.136V	5.089V	3.28V	5.179V	90.131				40.51°C	115.06V

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	**1.224A**	**0.491A**	**0.502A**	**0.193A**	20.019	72.284%	391	<6.0	37°C	0.556
	12.141V	5.089V	3.285V	5.185V	27.696				41.44°C	230.27V
40W	**2.694A**	**0.688A**	**0.703A**	**0.29A**	40.012	82.648%	391	<6.0	37.66°C	0.714
	12.139V	5.09V	3.284V	5.182V	48.415				41.89°C	230.27V
60W	**4.164A**	**0.884A**	**0.905A**	**0.386A**	60.008	86.491%	393	<6.0	38.63°C	0.792
	12.137V	5.09V	3.283V	5.179V	69.378				42.19°C	230.27V
80W	**5.630A**	**1.081A**	**1.106A**	**0.483A**	79.958	89.595%	394	<6.0	39.36°C	0.833
	12.135V	5.089V	3.281V	5.176V	89.241				42.7°C	230.27V

The results above are not used in the certification process

Ripple Measurements

115V

Test	12V	5V	3.3V	5VSB	Pass/Fail
10% Load	23.41mV	14.32mV	11.79mV	9.45mV	Pass
20% Load	20.47mV	14.79mV	12.46mV	9.19mV	Pass
30% Load	20.31mV	14.79mV	12.57mV	9.91mV	Pass
40% Load	21.24mV	15.04mV	12.62mV	10.74mV	Pass
50% Load	25.47mV	16.02mV	12.67mV	10.48mV	Pass
60% Load	27.48mV	15.51mV	13.50mV	12.44mV	Pass
70% Load	30.52mV	17.05mV	13.50mV	13.11mV	Pass
80% Load	26.86mV	18.34mV	15.05mV	13.52mV	Pass
90% Load	28.36mV	17.51mV	15.15mV	13.73mV	Pass
100% Load	30.73mV	17.93mV	15.62mV	17.81mV	Pass
110% Load	39.65mV	19.01mV	15.92mV	18.17mV	Pass
Crossload1	23.77mV	16.80mV	15.25mV	11.04mV	Pass
Crossload2	23.51mV	24.32mV	12.56mV	11.04mV	Pass

Test	12V	5V	3.3V	5VSB	Pass/Fail
Crossload3	30.57mV	15.15mV	18.51mV	10.84mV	Pass
Crossload4	27.43mV	16.90mV	14.53mV	13.21mV	Pass

The results above are not used in the certification process

230V

Test	12V	5V	3.3V	5VSB	Pass/Fail
10% Load	24.39mV	15.20mV	12.77mV	9.55mV	Pass
20% Load	22.22mV	16.33mV	12.98mV	9.91mV	Pass
30% Load	26.81mV	15.92mV	13.19mV	10.27mV	Pass
40% Load	24.02mV	16.18mV	14.01mV	10.32mV	Pass
50% Load	24.85mV	17.15mV	13.96mV	11.36mV	Pass
60% Load	25.62mV	17.00mV	14.07mV	11.87mV	Pass
70% Load	31.76mV	16.95mV	13.91mV	13.11mV	Pass
80% Load	28.41mV	17.72mV	15.15mV	13.73mV	Pass
90% Load	29.59mV	18.45mV	15.26mV	14.25mV	Pass
100% Load	34.13mV	19.01mV	15.77mV	17.60mV	Pass
110% Load	41.04mV	19.79mV	17.17mV	18.22mV	Pass
Crossload1	24.70mV	17.21mV	16.60mV	10.89mV	Pass
Crossload2	25.21mV	25.14mV	13.19mV	11.05mV	Pass
Crossload3	29.23mV	16.28mV	18.20mV	10.89mV	Pass
Crossload4	30.31mV	17.83mV	14.38mV	12.29mV	Pass

The results above are not used in the certification process

ASUS TUF GAMING 1200W Platinum



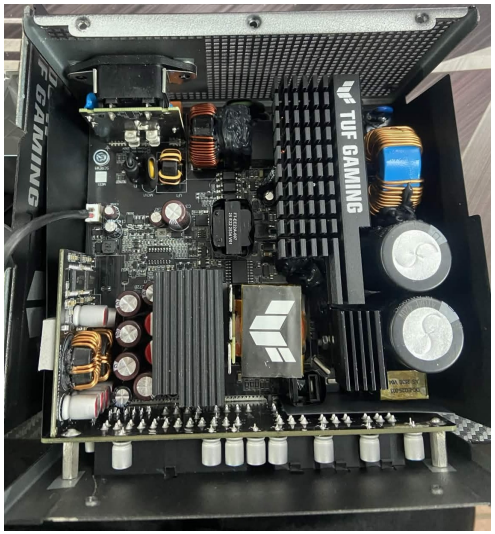
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Power specifications label



Fan



PSU Internals

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