# ASUS TUF-750B-GAMING

2K070017488

Lab ID AS75001707

Certification ID 251707

Test Result Report ID: 20PS1707A

Certificate Issue Date: Sep 7, 2020

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<br>Chroma 63600-2<br>Chroma 63640-80-80 x10<br>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-750B-GAMING |
| OEM/ODM | Great Wall |
| Serial Number | 2K070017488 |
| Product Specifications | |
| Manufacturer-Provided Information | |
| □□□□ (Vrms) | 100-240 |
| □□□□ (Arms) | 10-5 |
| □□□□ (Hz) | 47-63 |

| | |
|---|---|
| □□□□ (W) | 750 |
| Operating Temperature (Continuous Full Load) (°C) | |
| □□ | ATX12V |
| □□□□ | Fixed cables |
| Warranty | - |
| Cybenetics Measurements | |
| Dimensions (W x H x D) | |
| Weight | |
| □□ | 135mm Double Ball-Bearing Fan<br>(CF1325H12D) |
| □□□□□ | ✓ |
| Cybenetics Testing Information | |
| Lab ID | AS75001707 |
| Date of receipt | Aug 20, 2020 |
| Testing Date | Sep 2, 2020 |
| Report Issued Date | Sep 7, 2020 |
| Engineer Name | - |
| Authorized By the Laboratory Technical Manager | Aristeidis Bitziopoulos |
| Signature |  |

## □□□□ (Non-accredited measurements)

| Native Cables | | | | |
|---|---|---|---|---|
| □□ | □□□□ | □□□□□□ | Gauge | In Cable Caps |
| ATX □□ 20+4 pin (610mm) | 1 | 1 | 18-20AWG | □ |
| 4+4 pin EPS 12V □□ (820mm) | 2 | 2 | 18AWG | □ |
| 6+2pin PCIe□□ (610mm+100mm) | 2 | 4 | 18AWG | □ |
| SATA□□ (400mm+120mm+120mm+120mm) | 2 | 8 | 18AWG | □ |
| 4-pin Molex (400mm+150mm+150mm+150mm) | 1 | 4 | 18AWG | □ |

□□□□

| □ | | 3.3V | 5V | 12V | 5VSB | -12V |
|---|---|---|---|---|---|---|
| □□□□ | □□ | 25 | 25 | 62 | 3 | 0.8 |
| | □ | 130 | | 744 | 15 | 9.6 |
| □□□□□ (W) | | 750 | | | | |

## Parts Description

| | |
|---|---|
| General Data | - |
| Manufacturer (OEM) | Great Wall |
| PCB Type | Single Sided |
| Primary Side | - |
| Transient Filter | 4x Y caps, 2x X caps, 2x CM chokes, 1x MOV |
| Inrush Protection | NTC Thermistor SCK201R0 |
| Bridge Rectifier(s) | 2x GBU1508 (800V, 15A @ 100°C) |
| APFC MOSFETs | 2x Advanced Power AP30SL60WL (650V, 16.5A @ 100°C, Rds(on): 0.13Ohm) |
| APFC Boost Diode | 1x STMicroelectronics STPSC6H065D (650V, 6A @ 135°C) |
| Bulk Cap(s) | 2x Teapo (450V, 270uF each or 540uF combined, 2,000h @ 105°C, LG) |
| Main Switchers | 2x Advanced Power AP65SL190D (650V, 12.3A @ 100°C, Rds(on): 0.19Ohm) |
| APFC Controller | Champion CM6500UNX & CM03X Phantom Power Remover |
| Resonant Controller | Champion CM6901X |
| Topology | Primary side: APFC, Half-Bridge & LLC converter<br>Secondary side: Synchronous Rectification & DC-DC converters |
| Secondary Side | - |
| +12V MOSFETs | 4x Advanced Power AP9990GP (60V, 80A @ 100°C, Rds(on): 6mOhm) |
| 5V & 3.3V | DC-DC Converters: 4x Infineon IPD040N03L (30V, 76A @ 100°C, Rds(on): 4mOhm)<br>PWM Controllers: ANPEC APW7159C |
| Filtering Capacitors | Electrolytic: 2x Elite (3-5,000h @ 105°C, EJ), 2x Elite (2-5,000h @ 105°C, ED), 1x Teapo (6-10,000h @ 105°C, TC), 1x Teapo (3-5,000h @ 105°C, TX), 2x Lelon (4-10,000h @ 105°C, RZW), 1x Lelon (4-7,000h @ 105°C, RXW)<br>Polymer: 4x Elite, 3x Lelon |
| Step-Down DC-DC Converter | Texas Instruments TPS54231 |
| Supervisor IC | IN1S429I-DCG |

| | |
|---|---|
| Fan Model | Champion CF1325H12D (135mm, 12V, 0.6A, Double Ball Bearing) |
| 5VSB Circuit | - |
| Rectifier | 1x PFC PFR30L45CT SBR (45V, 30A) |
| Standby PWM Controller | Power Intergrations TNY278PN |

# Test Results

## Temperature & Compliance Info

| | |
|---|---|
| □□□□ (°C /°F) | 28-32 / 82.4-89.6 |
| □□ ErP Lot3/6□□ | ✓ |
| □□ (EU) No 617/2013□□ | ✓ |
| ALPM (Alternative Low Power Mode) compatible | ✓ |

## Performance Summary

### 115V

| | |
|---|---|
| Accredited | |
| □□□□ (>1450 load combinations) | 86.729% |
| Average Noise Output (>1450 Load Combinations) | 37.97dBA |
| PF□□□ (>1450 Load Combinations) | 0.979 |
| Efficiency With 10W (≤500W) or 2% (>500W) Load | 66.382% |
| □□□□□□ | 0.0570W |
| Non-Accredited | |
| 12V Ripple (Full Load) | 29.22mV |
| 5V Ripple (Full Load) | 12.78mV |
| 3.3V Ripple (Full Load) | 14.89mV |
| 5VSB Ripple (Full Load) | 23.82mV |
| 12V Load Regulation | 0.81% |
| 5V Load Regulation | 0.65% |
| 3.3V Load Regulation | 0.72% |
| 5VSB Load Regulation | 1.57% |

| | |
|---|---|
| Inrush Current | 43.330A |

## 230V

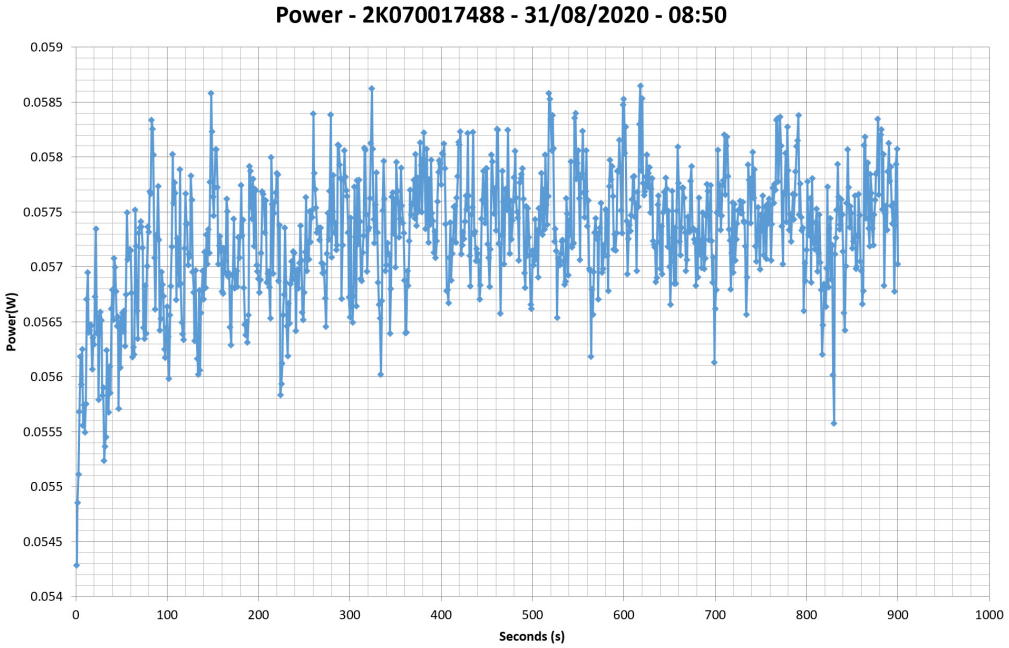
| | | |
|---|---|---|
| Accredited | | |
| □□□□ (>1450 load combinations) | | 88.961% |
| Average Noise Output (>1450 Load Combinations) | | 37.31dBA |
| PF□□□ (>1450 Load Combinations) | | 0.946 |
| Efficiency With 10W (≤500W) or 2% (>500W) Load | | - |
| □□□□□□ | | 0.0972W |
| Non-Accredited | | |
| 12V Ripple (Full Load) | | 28.27mV |
| 5V Ripple (Full Load) | | 12.05mV |
| 3.3V Ripple (Full Load) | | 14.71mV |
| 5VSB Ripple (Full Load) | | 22.41mV |
| 12V Load Regulation | | 0.85% |
| 5V Load Regulation | | 0.65% |
| 3.3V Load Regulation | | 0.72% |
| 5VSB Load Regulation | | 1.57% |
| Inrush Current | | 94.880A |
| □□□□ & PG□□ | | 13.70ms |
| AC Loss to PWR_OK Hold Up Time | | 10.10ms |
| PWR_OK Inactive to DC Loss Delay | | 3.60ms |
| PSU Timings: T1 (20% / 100%) | 34.0ms | 34.0ms |
| PSU Timings: T3 (20% / 100%) | 130.0ms | 130.0ms |
| OPP (28.00°C / 41.00°C) | 128.40% | 128.41% |

## □□□□ & PG□□

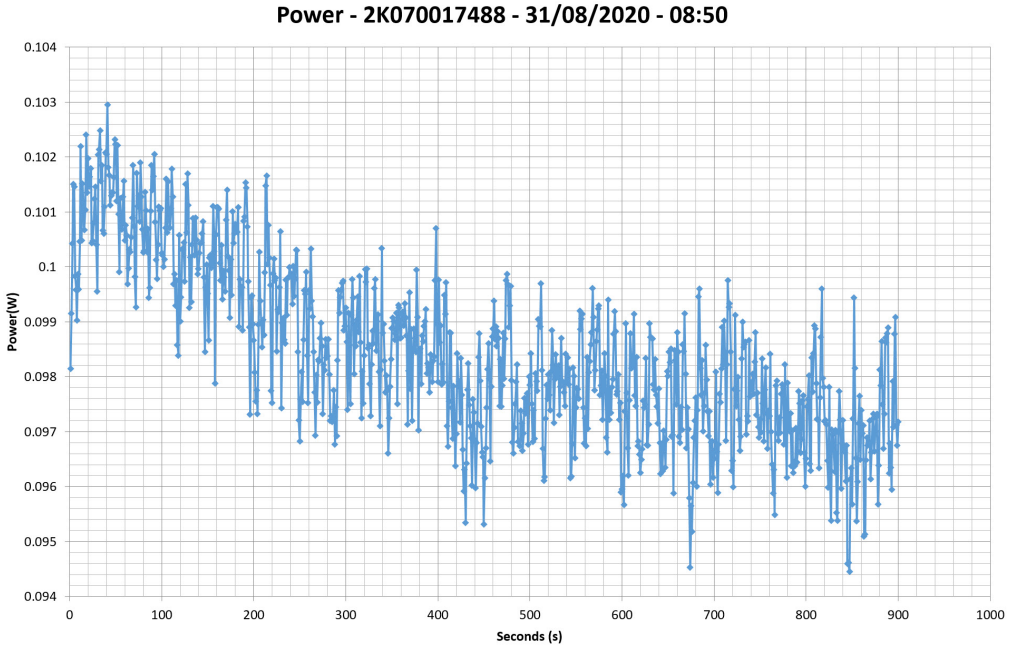
| | |
|---|---|
| Hold-Up Time (ms) | 13.7 |
| AC Loss to PWR_OK Hold Up Time (ms) | 10.1 |
| PWR_OK Inactive to DC Loss Delay (ms) | 3.6 |

## Graphs

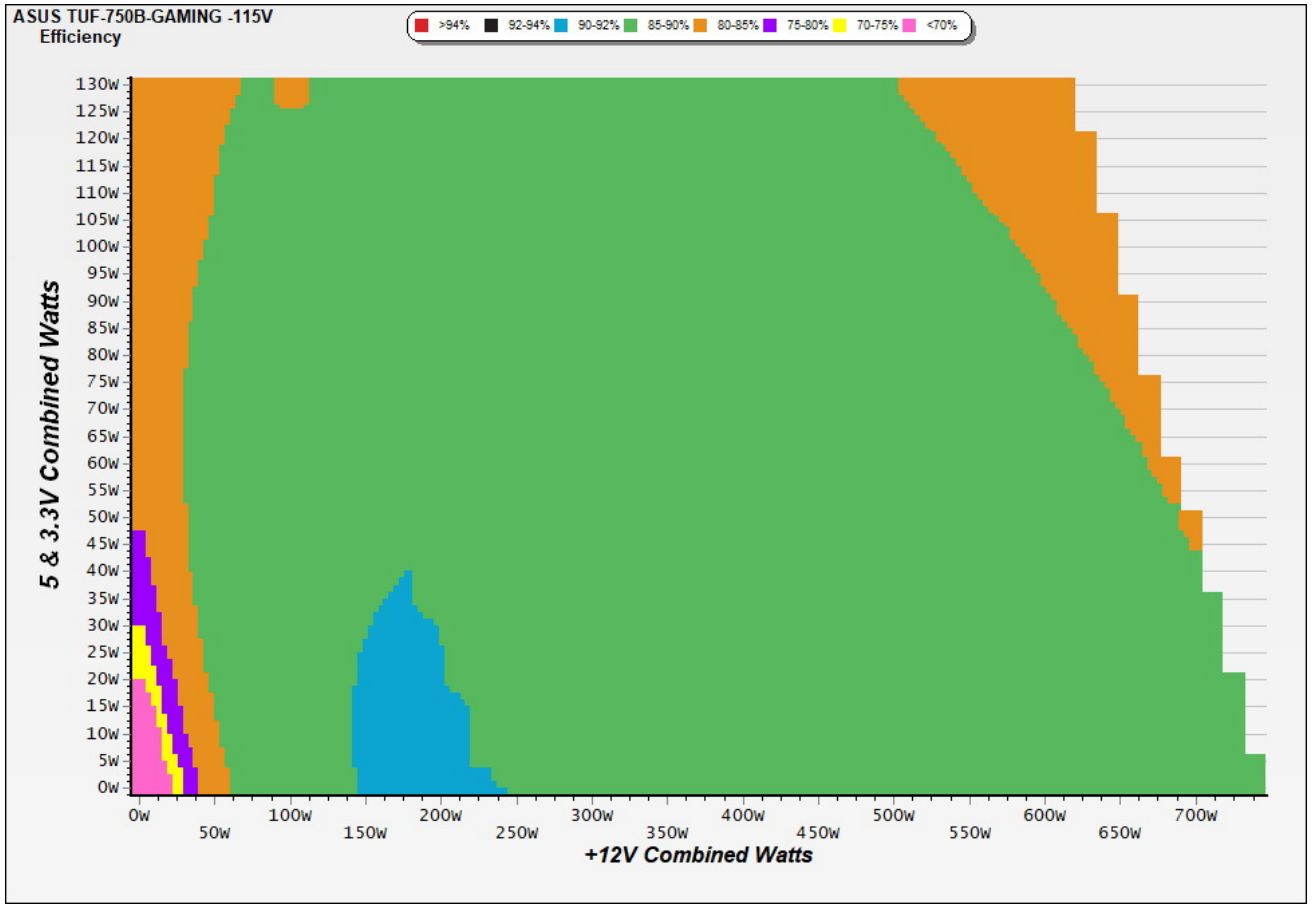
### 115V




### 230V



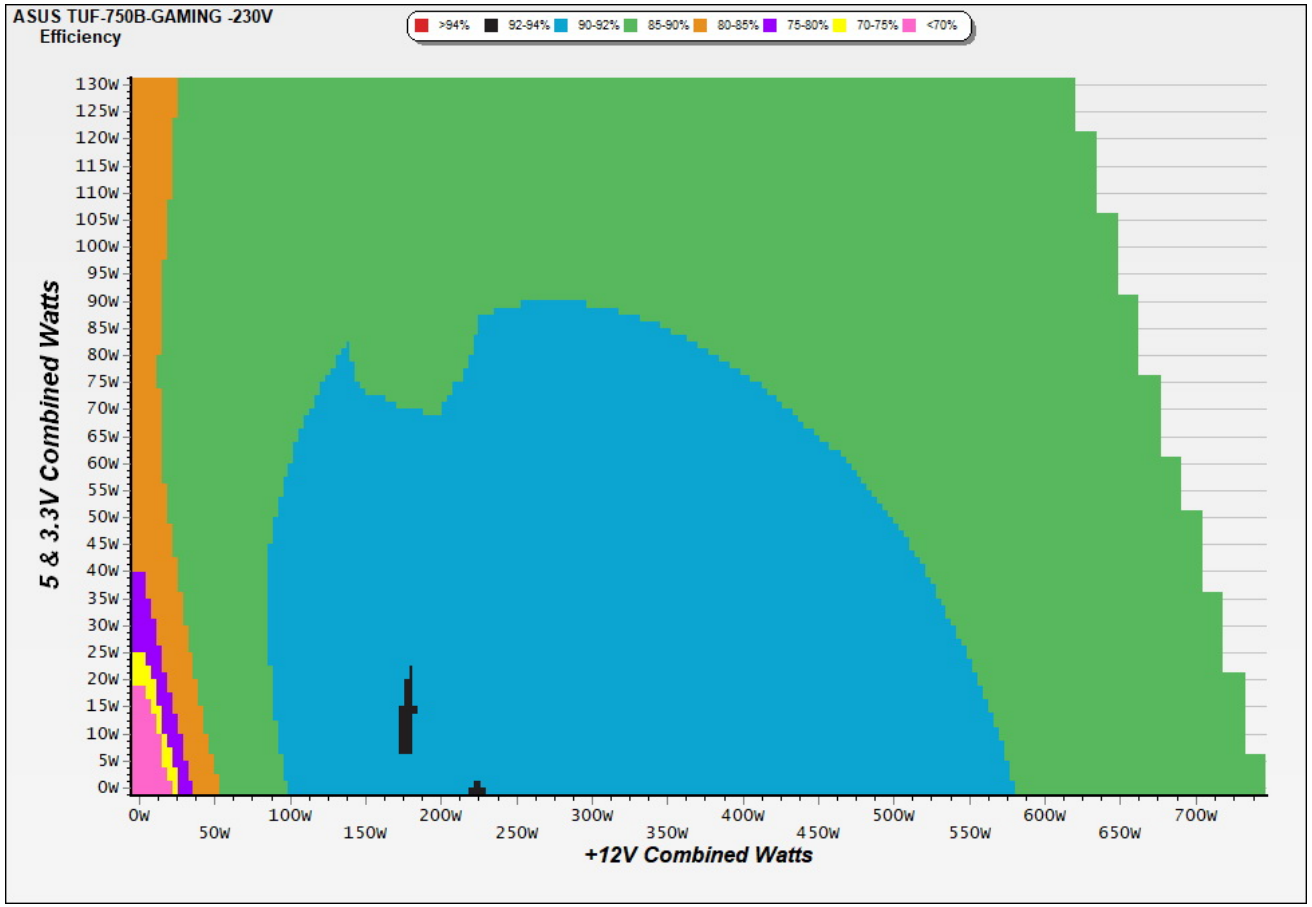
## 115V




□□

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

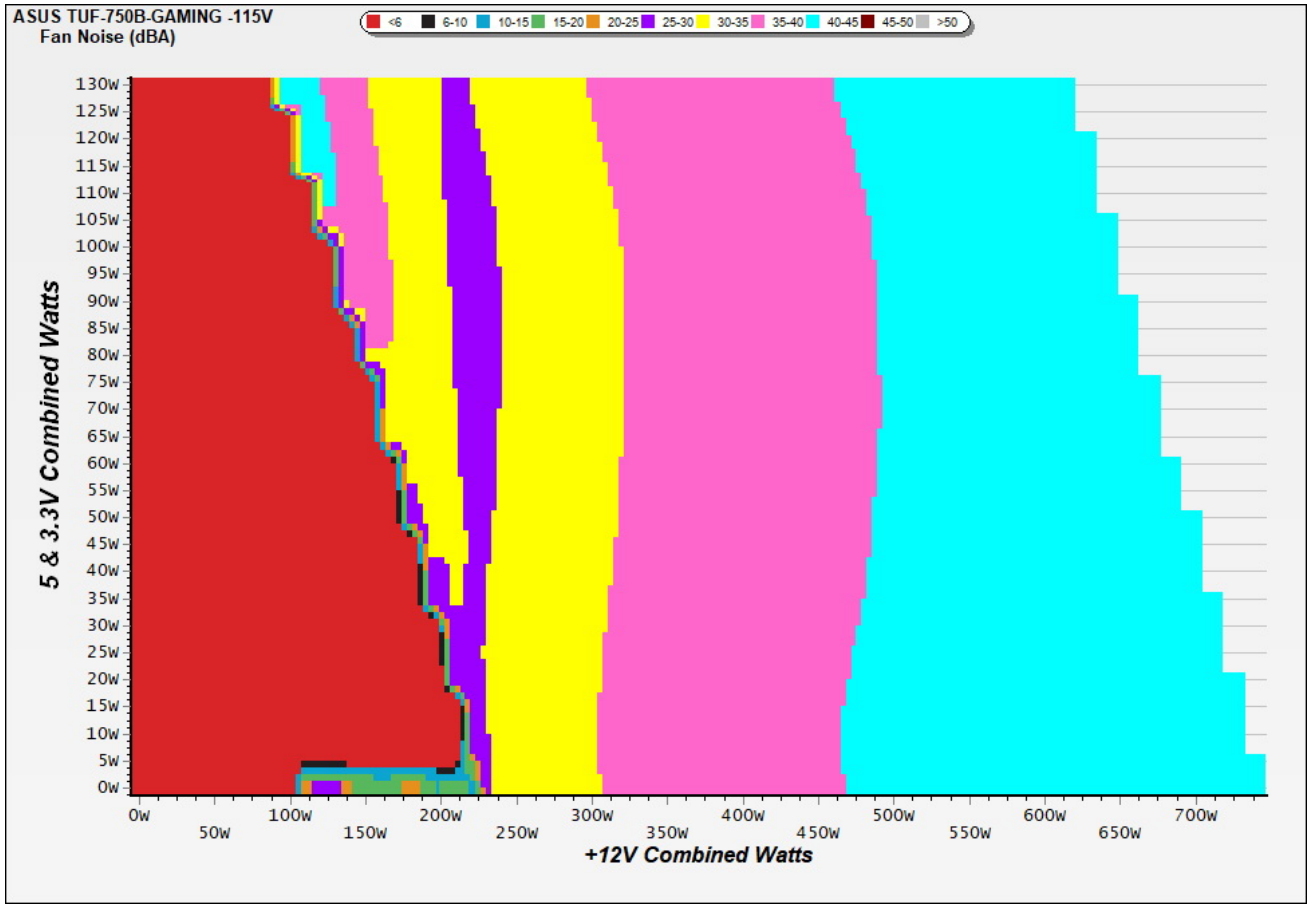
## 230V




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

## □□□□□

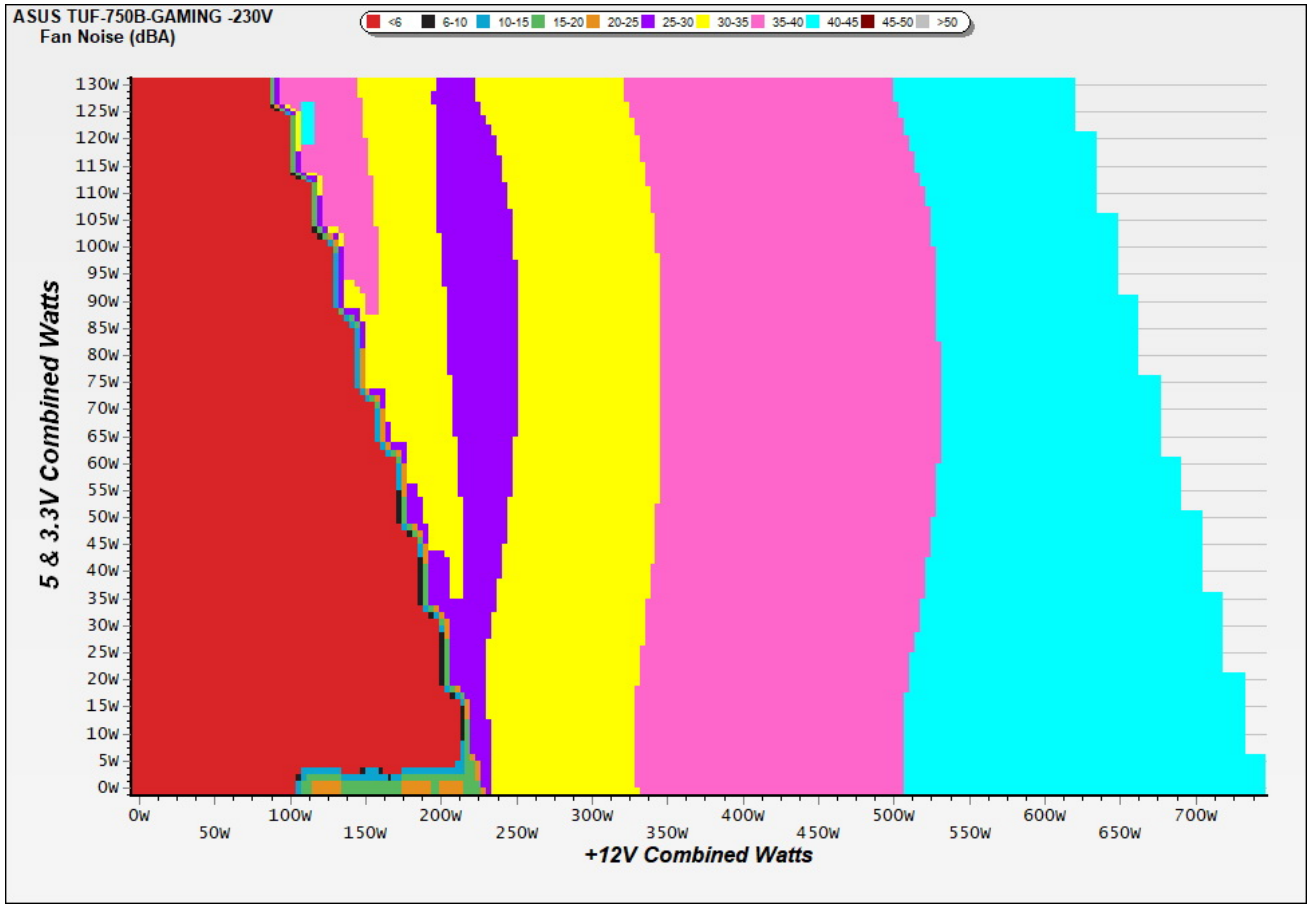
### 115V




□□

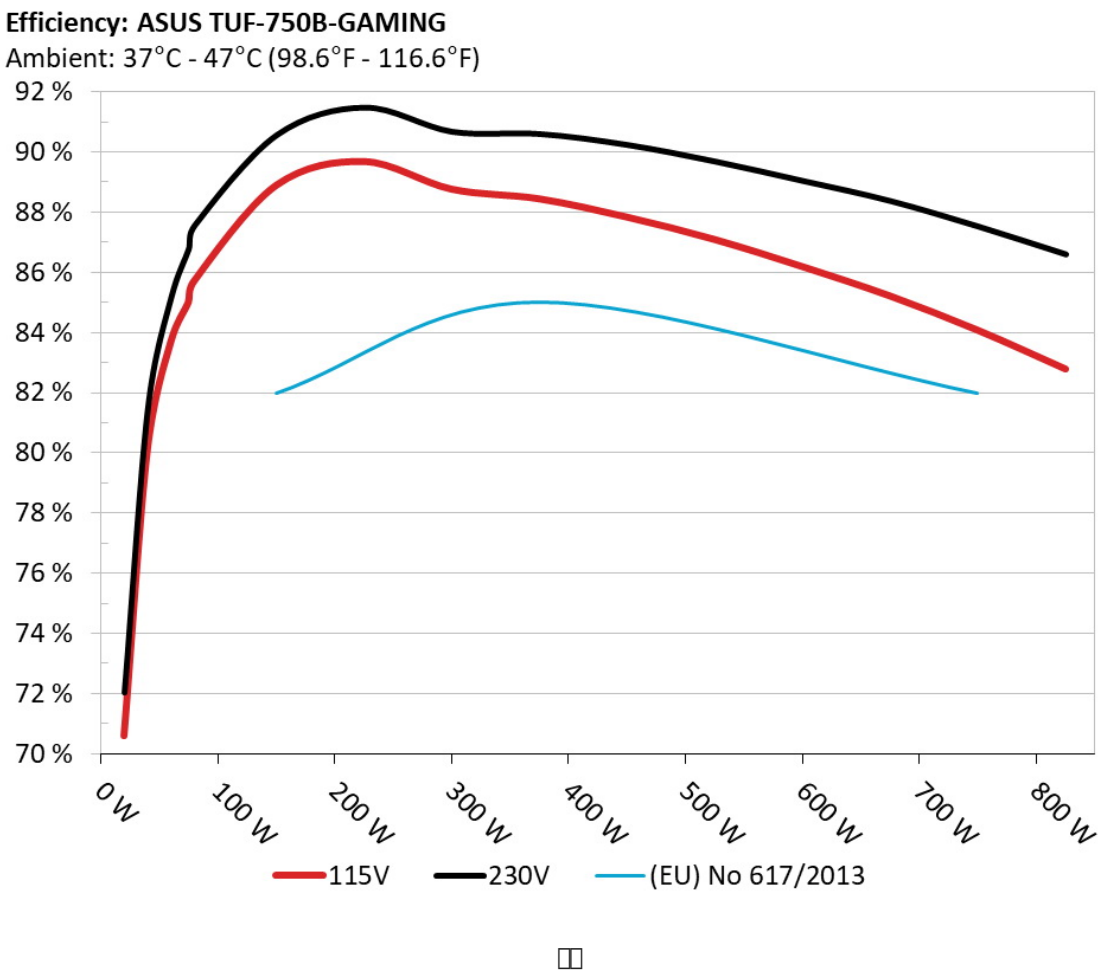
The PSU`s noise in its entire operational range and under 30-32 °C ambient is depicted in this graph. The X axis represents the load on the +12V rail(s) while the Y axis is the load on the minor rails

## 230V



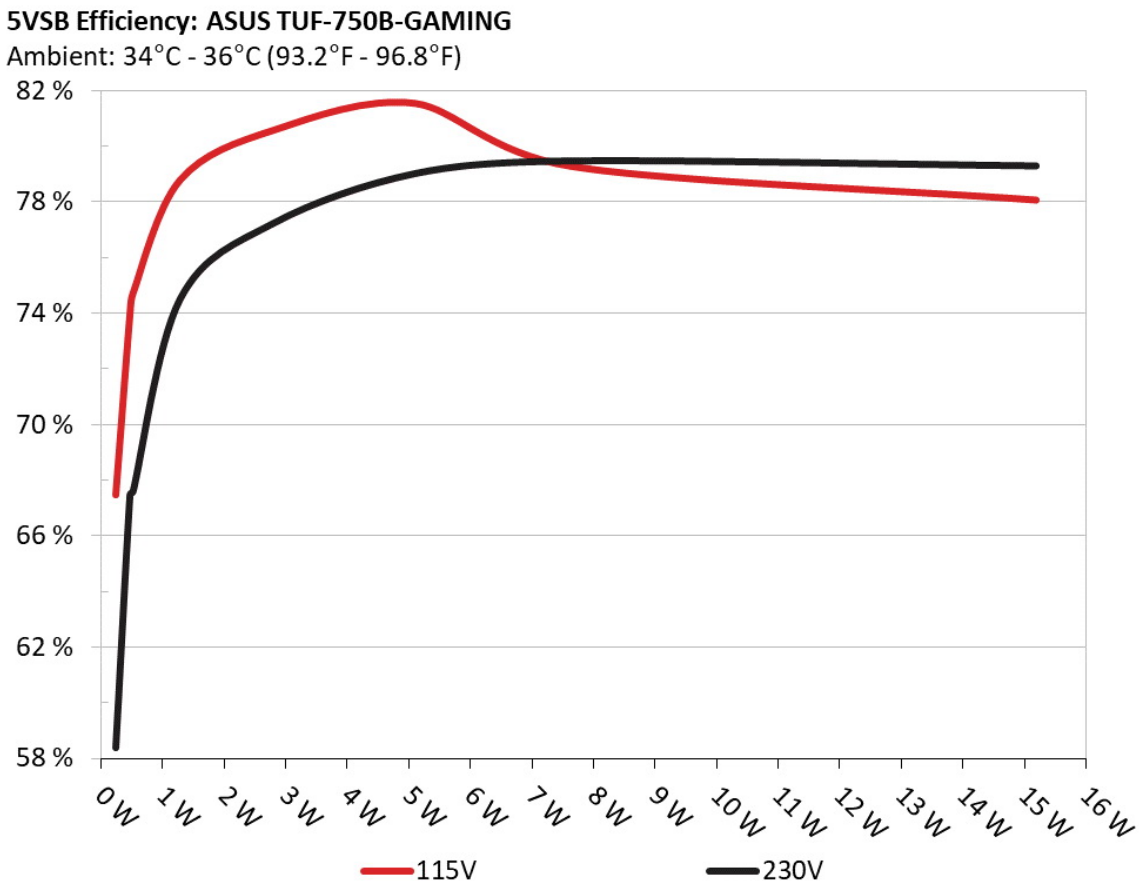

The PSU`s noise in its entire operational range and under 30-32 °C ambient is depicted in this graph. The X axis represents the load on the +12V rail(s) while the Y axis is the load on the minor rails

## Indicative Performance




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□□□□**




□□

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

## □□□□ □□ 5Vsb □□ (ErP Lot3/6 & CEC)

### 115V

| □□ # | 5VSB | DC/AC (□ ) | □□ | PF/AC □□ |
|---|---|---|---|---|
| 1 | 0.045A | 0.230 | 67.449% | 0.031 |
| | 5.107V | 0.341 | | 115.15V |
| 2 | 0.090A | 0.460 | 73.955% | 0.057 |
| | 5.107V | 0.622 | | 115.15V |
| 3 | 0.550A | 2.806 | 80.563% | 0.236 |
| | 5.100V | 3.483 | | 115.15V |
| 4 | 1.000A | 5.095 | 81.520% | 0.314 |
| | 5.094V | 6.250 | | 115.15V |
| 5 | 1.500A | 7.634 | 79.257% | 0.362 |
| | 5.088V | 9.632 | | 115.15V |
| 6 | 3.000A | 15.193 | 78.045% | 0.426 |
| | 5.065V | 19.467 | | 115.14V |

### 230V

| □□ # | 5VSB | DC/AC (□ ) | □□ | PF/AC □□ |
|---|---|---|---|---|
| 1 | 0.045A | 0.230 | 58.376% | 0.011 |
| | 5.107V | 0.394 | | 230.33V |
| 2 | 0.090A | 0.460 | 67.449% | 0.019 |
| | 5.107V | 0.682 | | 230.33V |
| 3 | 0.550A | 2.806 | 77.236% | 0.095 |
| | 5.101V | 3.633 | | 230.33V |
| 4 | 1.000A | 5.096 | 79.008% | 0.156 |
| | 5.095V | 6.450 | | 230.33V |
| 5 | 1.500A | 7.634 | 79.463% | 0.208 |
| | 5.088V | 9.607 | | 230.32V |
| 6 | 3.000A | 15.198 | 79.284% | 0.300 |
| | 5.066V | 19.169 | | 230.32V |

## Supplementary Tests (For Reference)

### 10-110%□□□□

#### 115V

| □□ # | 12V | 5V | 3.3V | 5VSB | DC/AC (□ ) | □□ | □□□□ (RPM) | □□□□□□□□ (dB[A]) | □□ (□□ /□□ ) | PF/AC □□ |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 4.436A | 1.957A | 1.986A | 0.984A | 74.963 | 85.015% | 0 | <6.0 | 46.21°C | 0.960 |
| | 12.032V | 5.108V | 3.319V | 5.083V | 88.176 | | | | 40.44°C | 115.07V |
| 2 | 9.915A | 2.939A | 2.984A | 1.183A | 150.034 | 88.902% | 0 | <6.0 | 47.14°C | 0.964 |
| | 12.015V | 5.105V | 3.317V | 5.075V | 168.763 | | | | 40.78°C | 115.07V |
| 3 | 15.728A | 3.431A | 3.483A | 1.382A | 225.042 | 89.697% | 0 | <6.0 | 48.93°C | 0.973 |
| | 12.016V | 5.102V | 3.315V | 5.068V | 250.891 | | | | 41.39°C | 115.07V |
| 4 | 21.570A | 3.926A | 3.988A | 1.580A | 300.055 | 88.777% | 1747 | 39.3 | 41.61°C | 0.979 |
| | 12.000V | 5.096V | 3.311V | 5.065V | 337.987 | | | | 49.89°C | 115.06V |
| 5 | 27.044A | 4.910A | 4.990A | 1.780A | 374.725 | 88.458% | 1790 | 40.0 | 42.29°C | 0.984 |
| | 11.988V | 5.093V | 3.309V | 5.058V | 423.617 | | | | 51.22°C | 115.03V |
| 6 | 32.539A | 5.896A | 5.991A | 1.980A | 449.604 | 87.854% | 1892 | 41.4 | 42.75°C | 0.987 |
| | 11.979V | 5.090V | 3.306V | 5.051V | 511.762 | | | | 52.30°C | 115.05V |
| 7 | 38.083A | 6.884A | 6.993A | 2.182A | 524.930 | 87.107% | 1974 | 42.6 | 43.61°C | 0.989 |
| | 11.969V | 5.086V | 3.303V | 5.043V | 602.629 | | | | 53.38°C | 115.11V |
| 8 | 43.642A | 7.871A | 7.999A | 2.383A | 600.241 | 86.201% | 2047 | 43.7 | 44.15°C | 0.991 |
| | 11.957V | 5.083V | 3.301V | 5.036V | 696.327 | | | | 54.33°C | 115.08V |
| 9 | 49.576A | 8.368A | 8.490A | 2.385A | 674.805 | 85.231% | 2065 | 43.9 | 44.19°C | 0.993 |
| | 11.947V | 5.080V | 3.299V | 5.032V | 791.741 | | | | 55.18°C | 115.09V |
| 10 | 55.325A | 8.866A | 9.011A | 2.989A | 750.030 | 84.090% | 2061 | 43.9 | 45.63°C | 0.994 |
| | 11.935V | 5.077V | 3.297V | 5.020V | 891.939 | | | | 57.24°C | 115.09V |
| 11 | 61.681A | 8.870A | 9.015A | 2.992A | 825.274 | 82.797% | 2050 | 43.7 | 46.51°C | 0.995 |
| | 11.925V | 5.075V | 3.295V | 5.016V | 996.744 | | | | 59.25°C | 115.09V |
| CL1 | 0.117A | 16.001A | 16.001A | 0.000A | 135.847 | 81.316% | 0 | <6.0 | 51.53°C | 0.970 |
| | 12.021V | 5.097V | 3.305V | 5.068V | 167.060 | | | | 42.81°C | 115.10V |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| CL2 | 62.028A | 1.000A | 1.000A | 1.000A | 754.432 | 84.500% | 2052 | 43.7 | 45.69°C | 0.995 |
| | 11.946V | 5.084V | 3.306V | 5.055V | 892.815 | | | | 57.89°C | 115.06V |

The results above are not used in the certification process

## 230V

| □□ # | 12V | 5V | 3.3V | 5VSB | DC/AC (□ ) | □□ | □□□□ (RPM) | □□□□□□□ (dB[A]) | □□ (□□ /□□ ) | PF/AC □□ |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 4.434A | 1.959A | 1.989A | 0.984A | 74.970 | 86.787% | 0 | <6.0 | 46.72°C | 0.836 |
| | 12.034V | 5.108V | 3.320V | 5.083V | 86.384 | | | | 40.85°C | 230.39V |
| 2 | 9.906A | 2.940A | 2.983A | 1.183A | 150.056 | 90.568% | 0 | <6.0 | 47.63°C | 0.914 |
| | 12.028V | 5.105V | 3.317V | 5.074V | 165.684 | | | | 41.23°C | 230.38V |
| 3 | 15.727A | 3.432A | 3.484A | 1.382A | 225.070 | 91.486% | 0 | <6.0 | 48.55°C | 0.941 |
| | 12.018V | 5.102V | 3.315V | 5.067V | 246.016 | | | | 41.52°C | 230.34V |
| 4 | 21.575A | 3.925A | 3.987A | 1.580A | 300.082 | 90.683% | 1767 | 39.7 | 42.12°C | 0.955 |
| | 11.999V | 5.096V | 3.311V | 5.064V | 330.912 | | | | 49.72°C | 230.30V |
| 5 | 27.046A | 4.911A | 4.989A | 1.780A | 374.794 | 90.609% | 1829 | 40.8 | 42.90°C | 0.962 |
| | 11.990V | 5.092V | 3.308V | 5.057V | 413.638 | | | | 51.62°C | 230.36V |
| 6 | 32.548A | 5.897A | 5.991A | 1.980A | 449.709 | 90.248% | 1893 | 41.4 | 43.02°C | 0.967 |
| | 11.979V | 5.089V | 3.306V | 5.051V | 498.303 | | | | 52.27°C | 230.34V |
| 7 | 38.100A | 6.886A | 6.994A | 2.182A | 525.039 | 89.693% | 1991 | 43.0 | 43.68°C | 0.972 |
| | 11.966V | 5.086V | 3.304V | 5.043V | 585.372 | | | | 53.70°C | 230.32V |
| 8 | 43.655A | 7.875A | 8.000A | 2.383A | 600.369 | 89.046% | 2043 | 43.7 | 43.74°C | 0.976 |
| | 11.956V | 5.082V | 3.301V | 5.036V | 674.227 | | | | 54.12°C | 230.32V |
| 9 | 49.602A | 8.370A | 8.489A | 2.385A | 674.916 | 88.382% | 2067 | 43.9 | 44.52°C | 0.979 |
| | 11.943V | 5.079V | 3.299V | 5.033V | 763.638 | | | | 55.68°C | 230.32V |
| 10 | 55.334A | 8.868A | 9.010A | 2.990A | 750.137 | 87.532% | 2065 | 43.9 | 46.27°C | 0.981 |
| | 11.935V | 5.076V | 3.297V | 5.019V | 856.984 | | | | 58.11°C | 230.28V |
| 11 | 61.689A | 8.872A | 9.017A | 2.992A | 825.373 | 86.602% | 2053 | 43.7 | 46.54°C | 0.984 |
| | 11.925V | 5.074V | 3.295V | 5.015V | 953.069 | | | | 59.36°C | 230.35V |
| CL1 | 0.118A | 16.003A | 16.004A | 0.000A | 135.879 | 82.982% | 0 | <6.0 | 51.66°C | 0.918 |
| | 12.021V | 5.097V | 3.305V | 5.067V | 163.746 | | | | 42.91°C | 230.37V |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| CL2 | 62.029A | 1.002A | 1.000A | 1.000A | 754.578 | 88.025% | 2057 | 43.8 | 46.21°C | 0.982 |
| | 11.948V | 5.084V | 3.306V | 5.055V | 857.233 | | | | 58.77°C | 230.34V |

The results above are not used in the certification process

## 20-80□□□□□

### 115V

| □□ # | 12V | 5V | 3.3V | 5VSB | DC/AC (□ ) | □□ | □□□□ (RPM) | □□□□□□□ (dB[A]) | PF/AC □□ |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.233A | 0.489A | 0.496A | 0.196A | 19.994 | 70.603% | 0 | <6.0 | 0.892 |
| | 12.043V | 5.111V | 3.321V | 5.100V | 28.319 | | | | 115.09V |
| 2 | 2.467A | 0.978A | 0.995A | 0.393A | 39.983 | 80.121% | 0 | <6.0 | 0.945 |
| | 12.030V | 5.110V | 3.321V | 5.096V | 49.903 | | | | 115.09V |
| 3 | 3.704A | 1.468A | 1.489A | 0.590A | 60.013 | 83.707% | 0 | <6.0 | 0.940 |
| | 12.032V | 5.109V | 3.320V | 5.091V | 71.694 | | | | 115.07V |
| 4 | 4.935A | 1.958A | 1.987A | 0.787A | 79.962 | 85.728% | 0 | <6.0 | 0.962 |
| | 12.029V | 5.108V | 3.319V | 5.086V | 93.274 | | | | 115.07V |

The results above are not used in the certification process

### 230V

| □□ # | 12V | 5V | 3.3V | 5VSB | DC/AC (□ ) | □□ | □□□□ (RPM) | □□□□□□□ (dB[A]) | PF/AC □□ |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.233A | 0.489A | 0.495A | 0.196A | 19.999 | 72.030% | 0 | <6.0 | 0.531 |
| | 12.049V | 5.111V | 3.322V | 5.098V | 27.765 | | | | 230.39V |
| 2 | 2.465A | 0.979A | 0.995A | 0.393A | 39.990 | 81.484% | 0 | <6.0 | 0.706 |
| | 12.041V | 5.110V | 3.321V | 5.095V | 49.077 | | | | 230.39V |
| 3 | 3.703A | 1.468A | 1.490A | 0.590A | 60.019 | 85.177% | 0 | <6.0 | 0.795 |
| | 12.036V | 5.109V | 3.320V | 5.090V | 70.464 | | | | 230.39V |
| 4 | 4.934A | 1.959A | 1.987A | 0.787A | 79.969 | 87.560% | 0 | <6.0 | 0.846 |
| | 12.032V | 5.108V | 3.319V | 5.085V | 91.330 | | | | 230.39V |

The results above are not used in the certification process

## □□□□

### 115V

| Test | 12V | 5V | 3.3V | 5VSB | Pass/Fail |
|---|---|---|---|---|---|
| 10% Load | 6.60mV | 7.30mV | 4.20mV | 8.80mV | Pass |
| 20% Load | 21.30mV | 7.50mV | 4.90mV | 9.60mV | Pass |
| 30% Load | 15.60mV | 7.80mV | 4.70mV | 10.60mV | Pass |
| 40% Load | 11.10mV | 9.40mV | 6.60mV | 15.50mV | Pass |
| 50% Load | 13.20mV | 8.70mV | 5.40mV | 17.10mV | Pass |
| 60% Load | 15.70mV | 9.30mV | 5.80mV | 18.40mV | Pass |
| 70% Load | 16.50mV | 10.10mV | 6.10mV | 21.30mV | Pass |
| 80% Load | 18.60mV | 10.60mV | 12.60mV | 20.70mV | Pass |
| 90% Load | 20.70mV | 12.30mV | 13.40mV | 25.80mV | Pass |
| 100% Load | 29.20mV | 12.80mV | 14.90mV | 23.80mV | Pass |
| 110% Load | 31.10mV | 13.70mV | 14.80mV | 24.60mV | Pass |
| Crossload1 | 27.70mV | 13.40mV | 16.70mV | 9.70mV | Pass |
| Crossload2 | 28.40mV | 11.30mV | 7.40mV | 21.80mV | Pass |

The results above are not used in the certification process

### 230V

| Test | 12V | 5V | 3.3V | 5VSB | Pass/Fail |
|---|---|---|---|---|---|
| 10% Load | 7.20mV | 8.20mV | 5.40mV | 9.70mV | Pass |
| 20% Load | 23.20mV | 7.40mV | 8.20mV | 9.10mV | Pass |
| 30% Load | 16.80mV | 7.80mV | 4.70mV | 10.60mV | Pass |
| 40% Load | 11.90mV | 9.50mV | 6.30mV | 16.30mV | Pass |
| 50% Load | 12.50mV | 8.50mV | 5.30mV | 16.50mV | Pass |
| 60% Load | 14.50mV | 9.20mV | 5.60mV | 17.80mV | Pass |
| 70% Load | 15.90mV | 9.60mV | 5.90mV | 16.70mV | Pass |
| 80% Load | 18.10mV | 9.90mV | 12.90mV | 17.70mV | Pass |

| Test | 12V | 5V | 3.3V | 5VSB | Pass/Fail |
|---|---|---|---|---|---|
| 90% Load | 19.20mV | 10.70mV | 13.30mV | 19.20mV | Pass |
| 100% Load | 28.30mV | 12.10mV | 14.70mV | 22.40mV | Pass |
| 110% Load | 31.10mV | 13.10mV | 14.80mV | 22.80mV | Pass |
| Crossload1 | 27.50mV | 13.70mV | 17.20mV | 9.10mV | Pass |
| Crossload2 | 29.00mV | 10.50mV | 6.70mV | 19.40mV | Pass |

The results above are not used in the certification process

**ASUS TUF-750B-GAMING**




Top side




Power specifications label


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