



ASRock Taichi TC-1300T (ATXv3.1)

Serial Number S4331030035

Lab ID AR13002623

Certification ID 252623

Test Result Report ID: 24PS2623A

Certificate Issue Date: Oct 29, 2024

Scheme: ETA-EMI PSU

115V

230V

115V

230V

Scheme: LAMBDA PSU

Outside Validation Scope

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	ASRock
Model	Taichi TC-1300T (ATXv3.1)
OEM/ODM	FSP
Serial Number	S4331030035
Product Specifications	
Manufacturer-Provided Information	
Rated Voltage (Vrms)	100-240
Rated Current (Arms)	8-15

Rated Frequency (Hz)	50-60
Rated Power (W)	1300
Operating Temperature (Continuous Full Load) (°C)	
Type	ATX12V
Cable Design	Fully Modular
Warranty	-
Cybenetics Measurements	
Dimensions (W x H x D)	
Weight	
Cooling	135mm Hydro Dynamic Bearing Fan (PLA13525S12M)
Semi-Passive Operation	✓ (selectable)
Cybenetics Testing Information	
Lab ID	AR13002623
Date of receipt	Oct 14, 2024
Testing Date	Oct 25, 2024
Report Issued Date	Oct 29, 2024
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	16-22AWG	No
4+4 pin EPS12V (650mm)	2	2	16AWG	No
6+2 pin PCIe (675mm+80mm)	2	4	16-18AWG	No
6+2 pin PCIe (675mm)	4	4	16-18AWG	No
12+4 pin PCIe (700mm) (600W)	1	1	16-24AWG	No
SATA (455mm+105mm+105mm)	3	9	18AWG	No
4-pin Molex (455mm+105mm+105mm)	1	3	18AWG	No

Protection Features(Manufacturer)

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

Power Specifications

Rail		3.3V	5V	12V	5VSB	-12V
Max. Power	Amps	25	25	108.3	3	0.3
	Watts	130		1300	15	3.6
Total Max. Power (W)		1300				

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	3x NTC Thermistor SCK-2R515 (2.5 Ohm @ 25°C) & Relay
Rectifier FETs	4x CEL68N60SF (600V, 43A @ 100°C, Rds(on): 37mOhm))
APFC MOSFETs	4x Infineon IPA60R120C7 (650V, 7A @ 100°C, Rds(on): 0.120Ohm)
APFC Boost Diode	2x Infineon IDH08G65C6 (650V, 8A @ 145°C)
Bulk Cap(s)	3x Rubycon (450V, 470uF each or 1410uF combined, 2-3,000h @ 105°C,MXH)

Main Switchers	4x Cmsemicon CMS6036B
Gate Drivers	2x Texas Instruments UCC21520
APFC Controller	UCC28070
Resonant Controller	Champion CM6901T2X
Topology	Primary side: Bridgeless, APFC, Full-Bridge & LLC Resonant converter Secondary side: Synchronous Rectification & DC-DC converters
Secondary Side	
+12V MOSFETs	8x Cmsemicon CMR009N04NS
5V & 3.3V	DC-DC Converters: 6x Infineon BSC0902NS (30V, 67A @ 100°C, Rds(on): 2.6mOhm) PWM Controller(s): upi-semiuP3861P
Filtering Capacitors	Electrolytic: 4x Nippon Chemi-Con (@ 105°C, W) 2x Rubycon (6-10,000h @ 105°C,ZLH) 1x Nippon Chemi-Con (6-10,000h (@ 105°C,KZN) Polymer: 42x Nippon Chemi-Con, 1x FPCAP
Supervisor IC	Weltrend WT7527RA (OCP, OVP, UVP, SCP,PG)
Fan Controller	Anpec APW9010
Fan Model	Power Logic PLA13525S12M (135mm, 12V, 0.40A, Hydro Dynamic Bearing Fan)
5VSB Circuit	
Rectifier	Secos SSD61N06S (60V, 40A)
Standby PWM Controller	Power Integrations INN3166C

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	✓
ATX v3.1 PSU Power Excursion	✓

Performance Summary

115V

Accredited	
Average Efficiency (>1450 load combinations)	91.641%
Average Noise Output (>1450 Load Combinations)	14.23dBA
Average PF (>1450 Load Combinations)	0.983
Efficiency With 10W ($\leq 500W$) or 2% (>500W) Load	67.886%
Standby Power Consumption	0.0393W
Non-Accredited	
12V Ripple (Full Load)	34.77mV
5V Ripple (Full Load)	17.94mV
3.3V Ripple (Full Load)	16.75mV
5VSB Ripple (Full Load)	25.23mV
12V Load Regulation	0.33%
5V Load Regulation	0.70%
3.3V Load Regulation	0.91%
5VSB Load Regulation	1.63%
Inrush Current	67.210A

230V

Accredited	
Average Efficiency (>1450 load combinations)	93.155%
Average Noise Output (>1450 Load Combinations)	12.74dBA
Average PF (>1450 Load Combinations)	0.965
Efficiency With 10W ($\leq 500W$) or 2% (>500W) Load	59.924%
Standby Power Consumption	0.1362W
Non-Accredited	
12V Ripple (Full Load)	36.06mV
5V Ripple (Full Load)	17.98mV
3.3V Ripple (Full Load)	16.61mV

5VSB Ripple (Full Load)	25.88mV	
12V Load Regulation	0.37%	
5V Load Regulation	0.68%	
3.3V Load Regulation	0.91%	
5VSB Load Regulation	1.65%	
Inrush Current	119.610A	
12V Transient Response (200%)	11.62V	
5V Transient Response (200%)	4.931V	
3.3V Transient Response (200%)	3.222V	
5VSB Transient Response (200%)	4.878V	
Hold-Up Time & PWR_OK Signal	23.30ms	
AC Loss to PWR_OK Hold Up Time	18.10ms	
PWR_OK Inactive to DC Loss Delay	5.20ms	
PSU Timings: T1 (20% / 100%)	86.0ms	84.0ms
PSU Timings: T3 (20% / 100%)	124.0ms	123.0ms
12V OCP (31.0°C / 42.9°C)	128.80A (118.93%), 11.942V	124.00A (114.50%), 11.951V
5V OCP (31.0°C / 42.9°C)	27.1A (108.40%), 4.98V	26.1A (104.40%), 4.976V
3.3V OCP (31.0°C / 42.9°C)	28.3A (113.20%), 3.293V	26.3A (105.20%), 3.292V
5VSB OCP (31.0°C / 42.9°C)	5.0A (166.67%), 4.889V	5A (166.67%), 4.894V
OPP (31.66°C / 40.97°C)	123.12%	120.97%

Hold-Up Time & PWR_OK Signal

Hold-Up Time (ms)	23.3
AC Loss to PWR_OK Hold Up Time (ms)	18.1
PWR_OK Inactive to DC Loss Delay (ms)	5.2

Vampire Power

Tables

115V

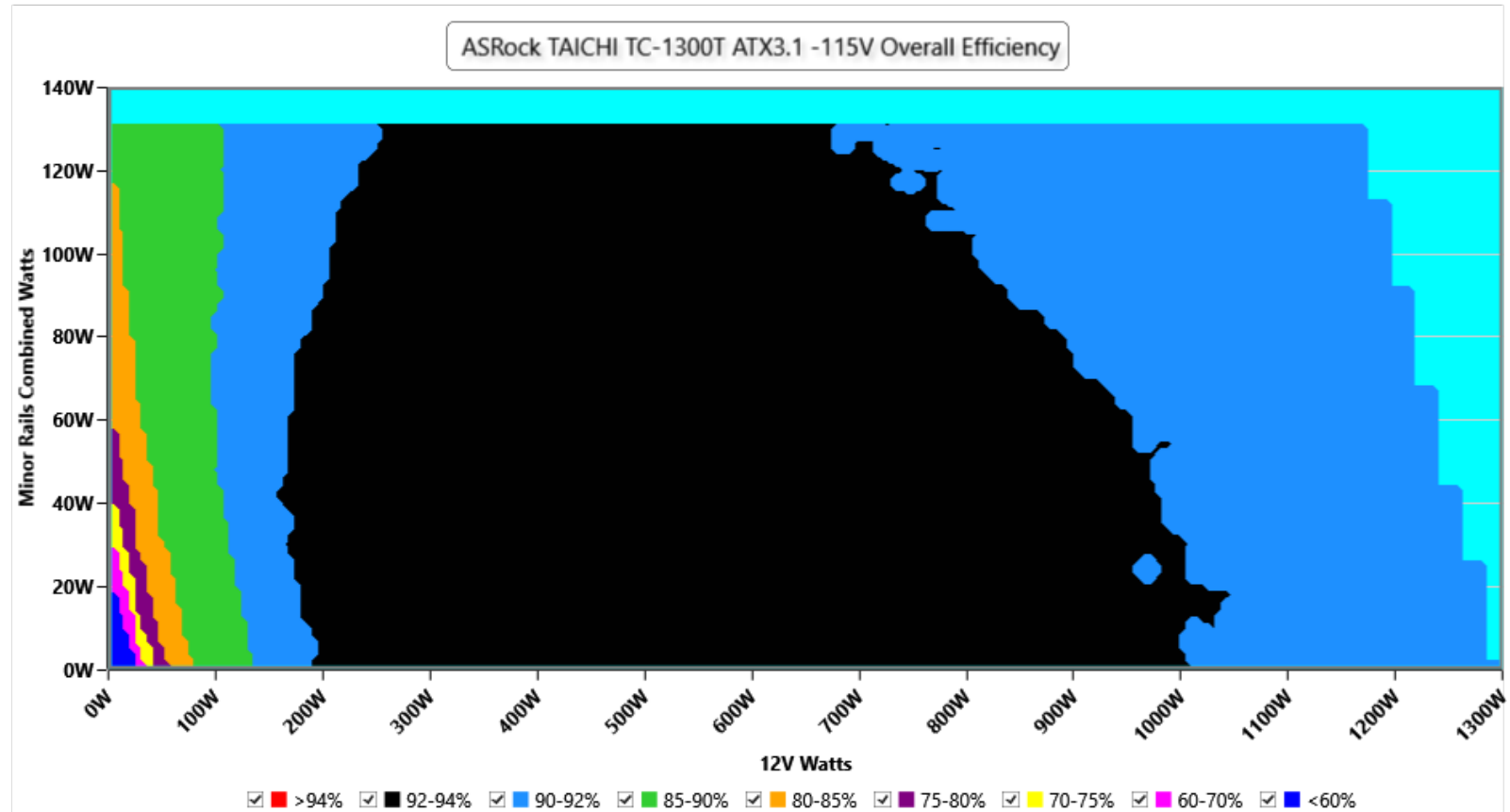
Detailed Results						
	Average	Min	Limit Min	Max	Limit Max	Result
Mains Voltage RMS:	115.08 V	115.03 V	113.85 V	115.11 V	116.15 V	PASS
Mains Frequency:	60.00 Hz	59.99 Hz	59.40 Hz	60.01 Hz	60.60 Hz	PASS
Mains Voltage CF:	1.416	1.415	1.340	1.418	1.490	PASS
Mains Voltage THD:	0.13 %	0.09 %	N/A	0.19 %	2.00 %	PASS
Real Power:	0.039 W	0.018 W	N/A	0.063 W	N/A	N/A
Apparent Power:	10.250 W	10.119 W	N/A	10.424 W	N/A	N/A
Power Factor:	0.003	N/A	N/A	N/A	N/A	N/A

230V

Detailed Results						
	Average	Min	Limit Min	Max	Limit Max	Result
Mains Voltage RMS:	231.02 V	230.93 V	227.70 V	231.09 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:	1.417	1.417	1.340	1.419	1.490	PASS
Mains Voltage THD:	0.17 %	0.14 %	N/A	0.27 %	2.00 %	PASS
Real Power:	0.136 W	0.091 W	N/A	0.207 W	N/A	N/A
Apparent Power:	34.446 W	34.195 W	N/A	36.564 W	N/A	N/A
Power Factor:	0.004	N/A	N/A	N/A	N/A	N/A

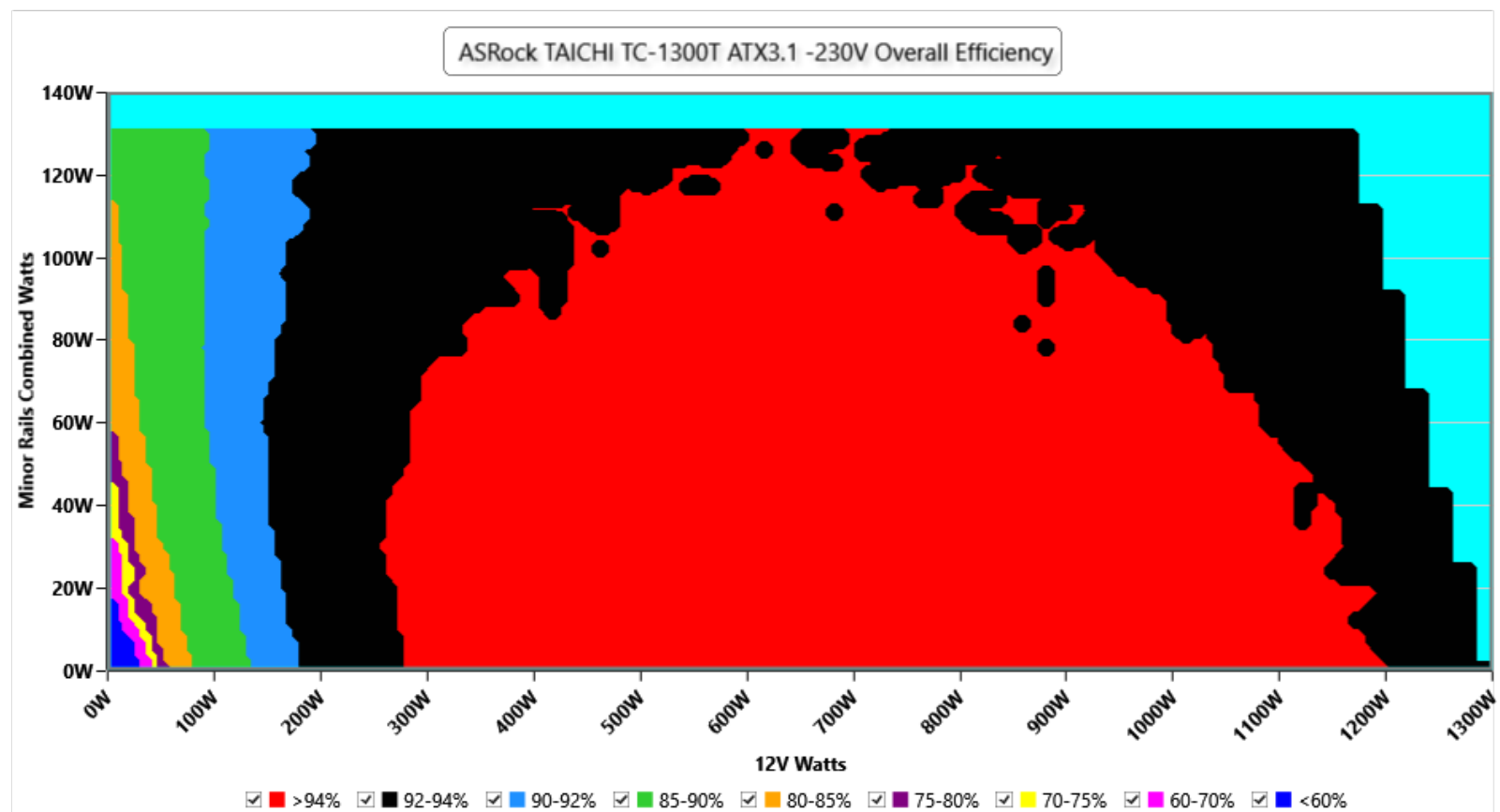
Efficiency Graph

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

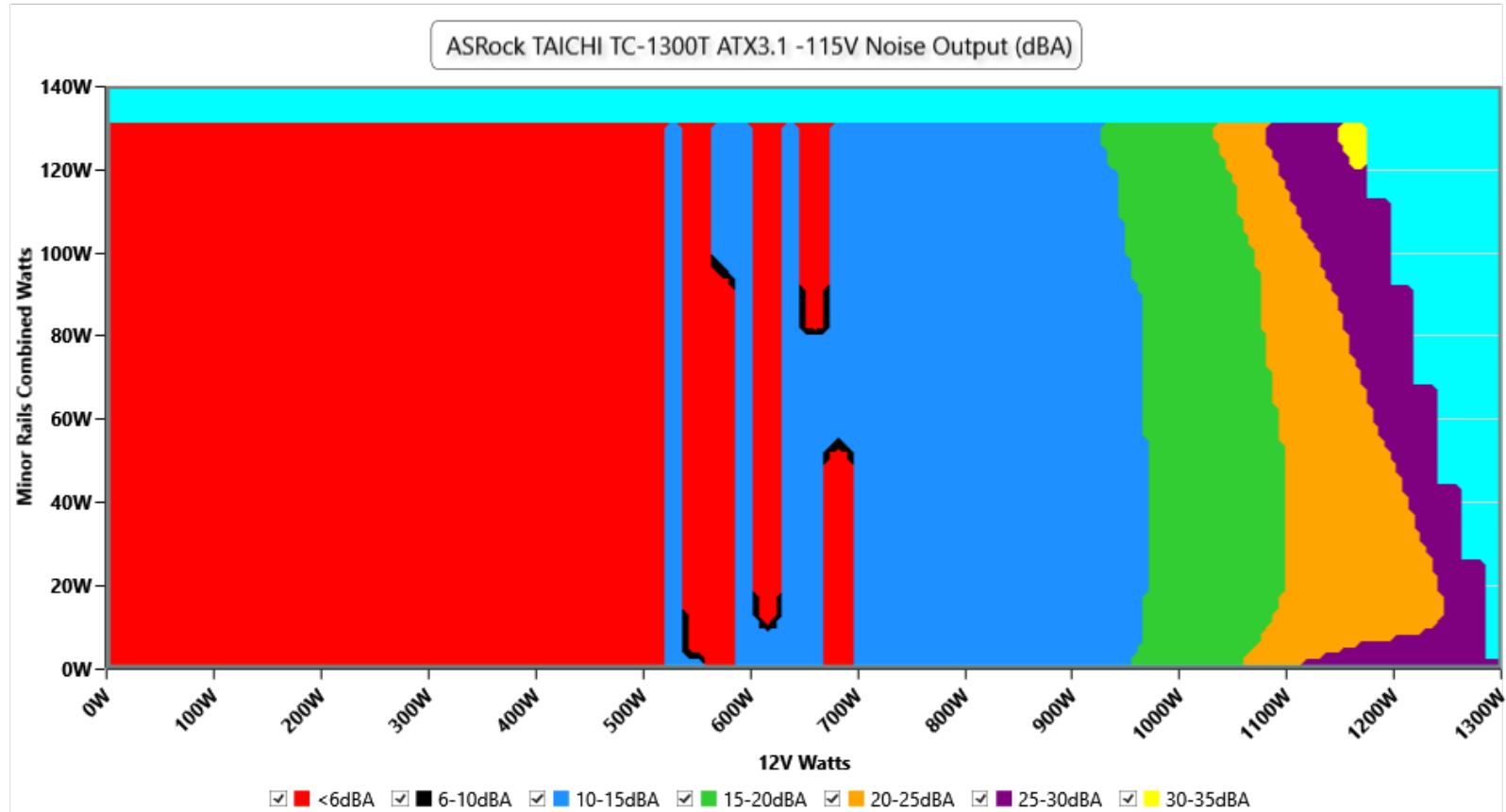


INFO

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

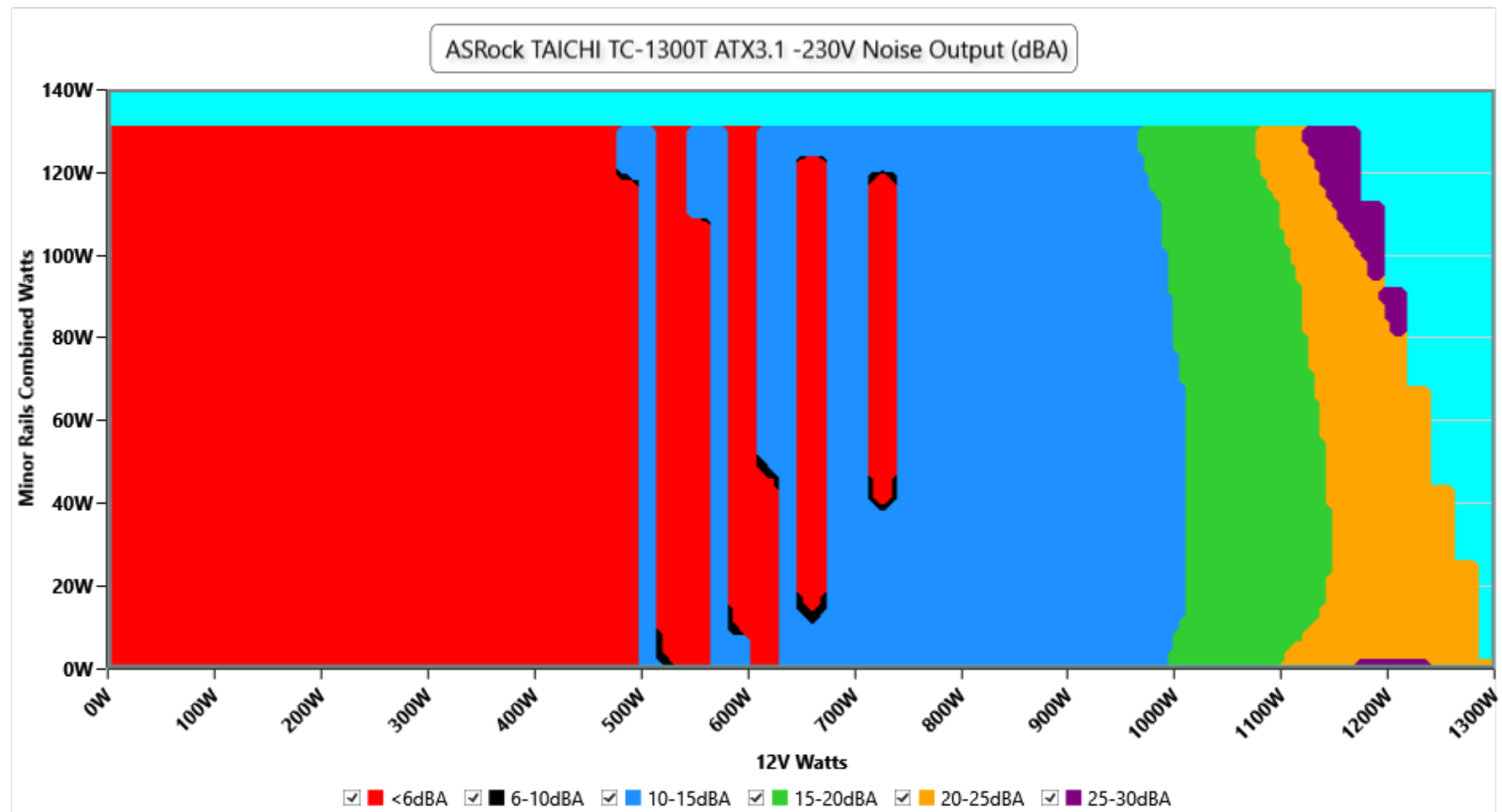
Noise Graph

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



INFO

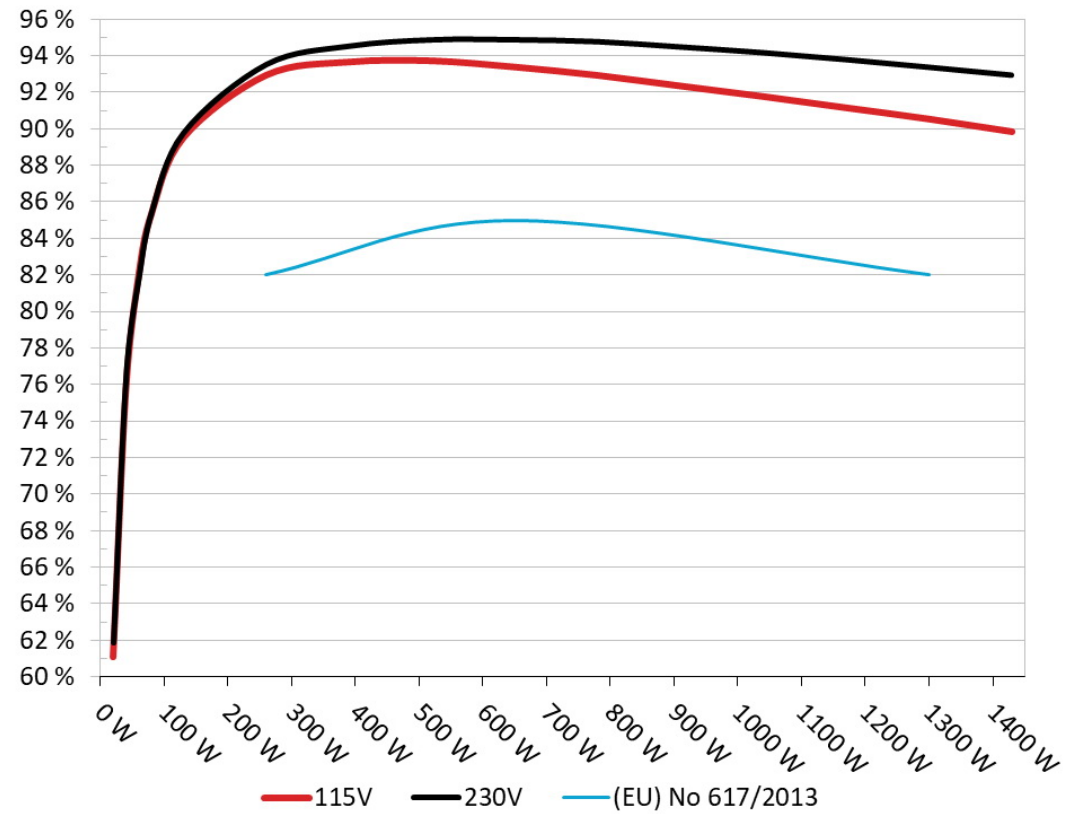
The PSU's noise in its entire operational range and under 30-32 °C ambient is depicted in this graph. The X axis represents the load on the +12V rail(s) while the Y axis is the load on the minor rails

Indicative Performance

Efficiency under high ambient temperature

Efficiency: ASRock Taichi TC-1300T (ATXv3.1)

Ambient: 36°C - 47°C (96.8°F - 116.6°F)



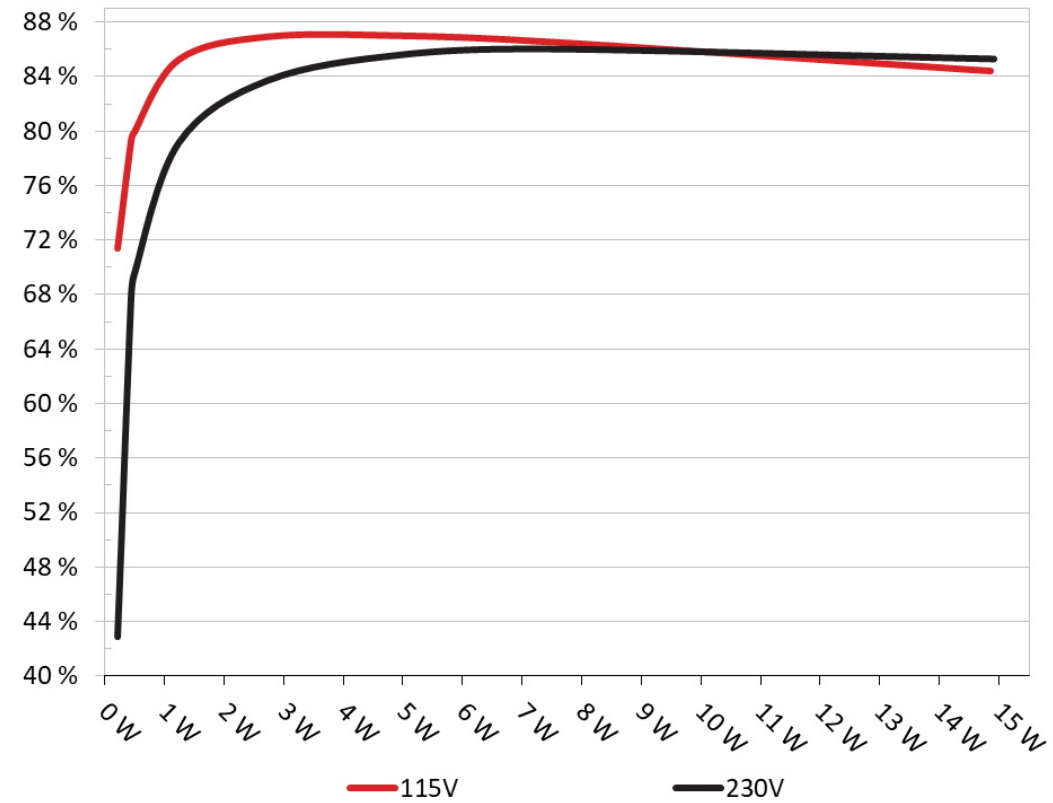
INFO

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

5VSB Efficiency: ASRock Taichi TC-1300T (ATXv3.1)

Ambient: 34°C - 36°C (93.2°F - 96.8°F)



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	0.226W	71.432%	0.031
	5.024V	0.317W		114.91V
2	0.09A	0.452W	79.326%	0.055
	5.022V	0.571W		114.92V
3	0.55A	2.748W	86.972%	0.248
	4.996V	3.16W		114.91V
4	1A	4.992W	87.037%	0.355
	4.992V	5.736W		114.91V
5	1.5A	7.484W	86.582%	0.412
	4.989V	8.645W		114.91V
6	3A	14.848W	84.455%	0.501
	4.949V	17.581W		114.91V

230V

Test #	5VSB	DC/AC (Watts)	Efficiency	PF/AC Volts
1	0.045A	0.226W	42.888%	0.012
	5.022V	0.43W		229.67V
2	0.09A	0.452W	67.855%	0.019
	5.02V	0.667W		229.9V
3	0.55A	2.749W	83.727%	0.091
	4.998V	3.285W		229.89V
4	1A	4.995W	85.611%	0.154
	4.994V	5.835W		229.89V
5	1.5A	7.492W	86.022%	0.213
	4.994V	8.71W		229.89V
6	3A	14.913W	85.291%	0.322
	4.971V	17.486W		229.89V

Protection Features

OCP (Normal @ 31.0°C)	12V: 128.80A (118.93%), 11.942V 5V: 27.1A (108.40%), 4.98V 3.3V: 28.3A (113.20%), 3.293V 5VSB: 5.0A (166.67%), 4.889V
OCP (Hot @ 42.9°C)	12V: 124.00A (114.50%), 11.951V 5V: 26.1A (104.40%), 4.976V 3.3V: 26.3A (105.20%), 3.292V 5VSB: 5A (166.67%), 4.894V
OPP (Normal @ 31.7°C)	1600.61W (123.12%)
OPP (Hot @ 41.0°C)	1572.62W (120.97%)
OTP	✓ (127°C @ Heat Sink)
SCP	12V to Earth: ✓ 5V to Earth: ✓ 3.3V to Earth: ✓ 5VSB to Earth: ✓ -12V to Earth: ✓
PWR_OK	Proper Operation
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%	9.044A	1.995A	1.991A	1.001A	130.002	89.529%	0	<6.0	45.77°C	0.969
	11.986V	5.013V	3.315V	4.995V	145.211				40.3°C	114.87V

Test	12V	5V	3.3V	5VSB	DC/AC (Watts)	Efficiency	Fan Speed (RPM)	PSU Noise (dB[A])	Temps (In/Out)	PF/AC Volts
20%	19.118A	2.994A	2.99A	1.202A	259.979	92.954%	0	<6.0	45.7°C	0.978
	11.982V	5.01V	3.312V	4.991V	279.689				40.51°C	114.82V
30%	29.521A	3.494A	3.491A	1.405A	389.656	93.675%	0	<6.0	46.42°C	0.984
	11.978V	5.009V	3.309V	4.984V	415.966				41°C	114.78V
40%	39.956A	3.996A	3.993A	1.608A	519.657	93.741%	0	<6.0	48.69°C	0.986
	11.974V	5.005V	3.306V	4.976V	554.349				41.52°C	114.74V
50%	50.062A	5A	4.997A	1.813A	649.788	93.401%	0	<6.0	51.59°C	0.983
	11.970V	5.001V	3.302V	4.966V	695.699				42.02°C	114.69V
60%	60.176A	6.005A	6.002A	2A	779.819	92.947%	526	14.5	42.67°C	0.985
	11.966V	4.997V	3.3V	4.957V	838.998				50.62°C	114.65V
70%	70.297A	7.011A	7.007A	2.224A	909.977	92.361%	530	14.7	43.49°C	0.979
	11.962V	4.994V	3.297V	4.947V	943.756				51.66°C	110.72V
80%	80.418A	8.016A	8.015A	2.328A	1039.545	91.785%	611	18.8	43.51°C	0.989
	11.958V	4.989V	3.294V	4.94V	1132.615				52.67°C	114.54V
90%	90.957A	8.522A	8.506A	2.434A	1169.767	91.169%	932	30.4	44.65°C	0.991
	11.954V	4.986V	3.292V	4.931V	1283.089				51.84°C	114.49V
100%	101.240A	9.028A	9.029A	3.052A	1299.382	90.552%	1296	39.2	45.55°C	0.992
	11.949V	4.984V	3.29V	4.915V	1434.955				51.31°C	114.44V
110%	111.460A	10.039A	10.133A	3.057A	1429.604	89.86%	1761	49.7	46.61°C	0.993
	11.944V	4.98V	3.286V	4.907V	1590.915				51.16°C	114.38V
CL1	0.117A	15.699A	15.646A	0A	131.299	84.957%	521	14	40.11°C	0.97
	11.989V	4.987V	3.298V	4.987V	154.602				49.86°C	114.86V
CL2	0.116A	2.867A	0A	0A	126.233	11.699%	0	<6.0	47.49°C	0.622
	12.010V	5.01V	3.317V	4.993V	28.099				41.66°C	114.9V
CL3	0.116A	0A	25.071A	0A	83.899	78.263%	0	<6.0	47.13°C	0.962
	11.990V	5.004V	3.291V	4.988V	107.18				41.23°C	114.88V
CL4	108.783A	0A	0A	0A	1299.95	90.997%	1184	36.9	45.96°C	0.992
	11.950V	4.996V	3.298V	4.944V	1428.559				50.86°C	114.46V

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%	9.042A	1.996A	1.992A	1.001A	130.005	89.769%	0	<6.0	43.78°C	0.907
	11.989V	5.011V	3.314V	4.997V	144.819				40.17°C	229.89V
20%	19.114A	2.995A	2.99A	1.202A	259.97	93.508%	0	<6.0	44.4°C	0.95
	11.984V	5.008V	3.311V	4.992V	278.02				40.52°C	229.87V
30%	29.512A	3.495A	3.491A	1.404A	389.609	94.508%	0	<6.0	44.55°C	0.963
	11.980V	5.008V	3.309V	4.985V	412.246				41.01°C	229.85V
40%	39.945A	3.996A	3.993A	1.608A	519.585	94.857%	0	<6.0	44.05°C	0.969
	11.976V	5.005V	3.306V	4.977V	547.768				41.51°C	229.82V
50%	50.051A	5A	4.997A	1.812A	649.713	94.861%	525	14.4	42.39°C	0.973
	11.972V	5V	3.302V	4.968V	684.914				49.67°C	229.8V
60%	60.173A	6.003A	5.999A	2A	779.767	94.755%	526	14.5	42.51°C	0.974
	11.966V	4.998V	3.301V	4.959V	822.953				48.87°C	229.78V
70%	70.298A	7.01A	7.006A	2.223A	909.96	94.466%	530	14.7	43.34°C	0.98
	11.962V	4.994V	3.298V	4.949V	963.251				49.2°C	229.76V
80%	80.424A	8.016A	8.015A	2.328A	1039.552	94.152%	600	18.2	43.8°C	0.981
	11.957V	4.989V	3.294V	4.941V	1104.145				49.84°C	229.74V
90%	90.968A	8.523A	8.507A	2.433A	1169.794	93.774%	913	30.4	44.12°C	0.982
	11.952V	4.986V	3.291V	4.933V	1247.467				49.46°C	229.72V
100%	101.256A	9.03A	9.031A	3.052A	1299.415	93.358%	1293	39.1	45°C	0.983
	11.947V	4.983V	3.289V	4.916V	1391.863				48.98°C	229.69V
110%	111.481A	10.04A	10.135A	3.056A	1429.619	92.926%	1719	48.7	46.16°C	0.983
	11.942V	4.979V	3.286V	4.909V	1538.462				49.52°C	229.67V
CL1	0.117A	15.698A	15.645A	0A	131.307	85.235%	520	13.9	40.26°C	0.913
	11.990V	4.987V	3.299V	4.988V	154.056				48.87°C	229.88V
CL2	0.117A	25.09A	0A	0A	126.247	83.115%	0	<6.0	46.44°C	0.912
	11.990V	4.976V	3.312V	4.989V	151.89				41.56°C	229.88V
CL3	0.116A	0A	25.096A	0A	83.898	78.086%	0	<6.0	47.72°C	0.871
	11.990V	5V	3.288V	4.989V	107.444				39.06°C	229.89V

Test	12V	5V	3.3V	5VSB	DC/AC (Watts)	Efficiency	Fan Speed (RPM)	PSU Noise (dB[A])	Temps (In/Out)	PF/AC Volts
CL4	108.799A	0A	0A	0A	1299.982	93.761%	1149	36.1	45.61°C	0.983
	11.948V	4.997V	3.299V	4.944V	1386.473				48.87°C	229.7V

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	1.240A	0.498A	0.497A	0.2A	19.998	61.091%	0	<6.0	38.39°C	0.899
	11.977V	5.019V	3.32V	4.99V	32.733				36.76°C	114.9V
40W	2.727A	0.698A	0.696A	0.301A	40	75.738%	0	<6.0	40.87°C	0.941
	11.988V	5.017V	3.319V	4.99V	52.818				37.01°C	114.9V
60W	4.216A	0.897A	0.895A	0.401A	60	81.947%	0	<6.0	42.28°C	0.95
	11.988V	5.016V	3.318V	4.991V	73.223				38.34°C	114.89V
80W	5.700A	1.096A	1.094A	0.501A	79.945	85.348%	0	<6.0	43.33°C	0.96
	11.987V	5.016V	3.317V	4.99V	93.664				39.11°C	114.88V

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	1.240A	0.498A	0.497A	0.2A	20.016	61.872%	0	<6.0	40.02°C	0.572
	11.982V	5.017V	3.319V	4.991V	32.351				36.17°C	229.9V
40W	2.728A	0.698A	0.696A	0.3A	40.012	76.57%	0	<6.0	40.61°C	0.724
	11.990V	5.015V	3.317V	4.992V	52.537				37.03°C	229.9V
60W	4.214A	0.898A	0.896A	0.401A	60.009	81.894%	0	<6.0	42.52°C	0.806
	11.991V	5.014V	3.316V	4.993V	73.279				38.13°C	229.9V
80W	5.698A	1.097A	1.095A	0.501A	79.961	85.438%	0	<6.0	43.31°C	0.85
	11.990V	5.013V	3.316V	4.992V	93.596				39.24°C	229.9V

The results above are not used in the certification process

Ripple Measurements

115V

Test	12V	5V	3.3V	5VSB	Pass/Fail
10% Load	18.6 mV	15.6 mV	15.6 mV	18.9 mV	Pass
20% Load	21.1 mV	15.1 mV	14.8 mV	18.3 mV	Pass
30% Load	22.4 mV	17.2 mV	16.8 mV	20.2 mV	Pass
40% Load	21.6 mV	15.6 mV	16.6 mV	21.2 mV	Pass
50% Load	21.1 mV	16.1 mV	15.2 mV	18.6 mV	Pass
60% Load	22.1 mV	16.4 mV	16.1 mV	20.3 mV	Pass
70% Load	22.0 mV	17.5 mV	16.3 mV	19.4 mV	Pass
80% Load	21.3 mV	16.1 mV	16.5 mV	21.2 mV	Pass
90% Load	22.4 mV	17.5 mV	16.6 mV	20.1 mV	Pass
100% Load	34.8 mV	17.9 mV	16.8 mV	25.2 mV	Pass
110% Load	34.5 mV	17.2 mV	16.9 mV	24.7 mV	Pass
Crossload 1	27.2 mV	16.4 mV	16.2 mV	18.2 mV	Pass
Crossload 2	116.2 mV	19.6 mV	14.9 mV	16.9 mV	Pass
Crossload 3	15.9 mV	15.4 mV	16.3 mV	16.8 mV	Pass
Crossload 4	35.4 mV	16.8 mV	16.7 mV	20.4 mV	Pass

The results above are not used in the certification process

230V

Test	12V	5V	3.3V	5VSB	Pass/Fail
10% Load	18.9 mV	16.0 mV	16.0 mV	18.5 mV	Pass
20% Load	22.0 mV	15.2 mV	15.0 mV	18.7 mV	Pass
30% Load	23.2 mV	15.4 mV	15.6 mV	18.1 mV	Pass
40% Load	23.5 mV	15.6 mV	14.9 mV	20.7 mV	Pass
50% Load	20.5 mV	16.6 mV	15.6 mV	18.7 mV	Pass
60% Load	19.5 mV	15.7 mV	15.2 mV	18.6 mV	Pass

Test	12V	5V	3.3V	5VSB	Pass/Fail
70% Load	22.3 mV	16.3 mV	16.2 mV	20.7 mV	Pass
80% Load	21.7 mV	17.6 mV	16.9 mV	19.2 mV	Pass
90% Load	23.4 mV	17.0 mV	17.1 mV	20.0 mV	Pass
100% Load	36.1 mV	18.0 mV	16.6 mV	25.9 mV	Pass
110% Load	34.8 mV	16.9 mV	16.9 mV	25.7 mV	Pass
Crossload 1	28.7 mV	16.6 mV	16.5 mV	18.4 mV	Pass
Crossload 2	19.1 mV	19.4 mV	14.0 mV	15.5 mV	Pass
Crossload 3	16.4 mV	15.2 mV	15.8 mV	16.6 mV	Pass
Crossload 4	35.0 mV	16.2 mV	16.0 mV	22.3 mV	Pass

The results above are not used in the certification process

ASRock Taichi TC-1300T (ATXv3.1)



Top side

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 LTD Syrou 6, Latsia, 2231, Nicosia Cyprus



Power specifications label

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

www.cybenetics.com - info@cybenetics.com