

Report:

Anex Corsair SF750 Platinum

Lab ID#: 550

Receipt Date: -

Test Date: - Report Date: Nov 27, 2018

DUT INFORMATION					
Brand	Corsair				
Manufacturer (OEM)	Great Wall				
Series	SF Platinum				
Model Number	SF750 Platinum				
Serial Number	18414866000067140032				
DUT Notes					

DUT SPECIFICATIONS						
Rated Voltage (Vrms)	100-240					
Rated Current (Arms)	10-5					
Rated Frequency (Hz)	47-63					
Rated Power (W)	750					
Туре	SFX					
Cooling	92mm Rifle Bearing Fan (NR092L)					
Semi-Passive Operation	✓					
Cable Design	Fully Modular					

POWER SPECIFICATIONS								
Rail		3.3V	5V	12V	5VSB	-12V		
May Payer	Amps	20	20 20		2.5	0.3		
Max. Power Watts		130	130		12.5	3.6		
Total Max. Power (W)	750							

CABLES AND CONNECTORS							
Modular Cables							
Description	Cable Count	Connector Count (Total)	Gauge	In Cable Capacitors			
ATX connector 20+4 pin (300mm)	1	1	16-18AWG	No			
4+4 pin EPS12V (400mm)	2	2	16AWG	No			
6+2 pin PCle (400mm+100mm)	2	4	16AWG	No			
SATA (100mm+120mm+120mm120mm)	2	8	18AWG	No			
4 pin Molex (100mm+120mm+120mm)	1	3	18AWG	No			
AC Power Cord (1380mm) - C13 coupler	1	1	16AWG	-			

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

PAGE 1/9



Anex

Corsair SF750 Platinum

Manufacturer (DEM) Great Wall Model Number RPS0115 Primary Side Transient Filter 4x Y caps, 2x X caps, 3x CM chokes, 1x MOV, 1x CMD02X Innush Protection NTC Thermistor & Diode Bridge Rectifier(s) 1x APFC MOSFET Infineon IP260R060C7 (650V, 22A @ 100°C, 0.06Ohm) APFC Boost Diode ROHM SCS306AP (650V, 6A @ 135°C) Hold-up Cap Nippon Chemi-Con (420V, 470uF, 2000h @ 105°C, KMZ) Wain Switchers 2x 60F2094 (600V, 15.8A @ 150°C, 0.19Ohm) Driver IC: Silcon Labs S8230BD Quasi-Resonant Controller APFC Controller Champion CM6502UHHX & CM03AX Green PFC controller Resonant & PWM Controller Champion CM6502UHHX & CM03AX Green PFC controller Quasi-Resonant Controller Infineon SQR1680AG Primary side: Half-Bridge & LLC Resonant Controller Secondary Side +12V MOSFETS 6x APower 4N1R8C-A (45V, 32A @ 70C, 1.8mOhm) SO-DC Converters: 4x Infineon PSMN2R0-30YLE (30V, 100A @ 100°C, 2.8mOhm @ 100°C, PMM Controller: APW7159C Electrolytics: 1x Nippon Chemi-Con (661B, 68, 694R, 684G, 685F), 6x Nichicon (LG) Supervisor IC Infinno NIS429-SCG Fan Model	C 15.	
Primary Side Transient Filter	General Data	
Primary Side Transient Filter	Manufacturer (OEM)	Great Wall
Transient Filter 4x Y caps, 2x X caps, 3x CM chokes, 1x MOV, 1x CMD02X Inrush Protection NTC Thermistor & Diode Bridge Rectifier(s) 1x APFC MOSFET Infineon IPZ60R060C7 (650V, 22A @ 100°C, 0.060hm) APFC Boost Diode ROHM SCS306AP (650V, 6A @ 135°C) Hold-up Cap Nippon Chemi-Con (420V, 470uF, 2000h @ 105°C, KMZ) Wain Switchers 2x 60F2094 (600V, 15 A@ 150°C, 0.190hm) Driver IC: Silicon Labs Si8230BD Driver IC: Silicon Labs Si8230BD Quasi-Resonant Controller Infineon SQR1680AG APFC Controller Champion CM6502UHHX & CM03AX Green PFC controller Quasi-Resonant Controller Infineon SQR1680AG Topology Primary side: Half-Bridge & LLC Resonant Controller Topology Primary side: Half-Bridge & LLC Resonant Controller Secondary Side +12V MOSFETS 6x APower 4N1R8C-A (45V, 32A @ 70C, 1.8mOhm) 5V & 3.3V DC-DC Converters: 4x Infineon PSMN2R0-30YLE (30V, 100A @ 100°C, 2.8mOhm @ 100°C) PWM Controller: APW7159C Electrolytics: 1x Nippon Chemi-Con (4-10,000 @ 105°C, KY), 2x Rubycon (3-6,000 @ 105°C, YXG) Filtering Capacitors Polymers: Nippon Chemi-Con (G61B, G8, G84R, G84G, G85F), 6x Nichicon (LG) <td< td=""><td>Model Number</td><td>RPS0115</td></td<>	Model Number	RPS0115
Innush Protection NTC Thermistor & Diode Bridge Rectifier(s) 1x APFC MOSFET Infineon IPZ60R060C7 (650V, 22A @ 100°C, 0.060hm) APFC Boost Diode ROHM SCS306AP (650V, 6A @ 135°C) Nippon Chemi-Con (420V, 470uF, 2000h @ 105°C, KMZ) 2x 60F2094 (600V, 15.8A @ 150°C, 0.190hm) Driver IC: Silicon Labs Si8230BD Main Switchers Driver IC: Silicon Labs Si8230BD Quasi-Resonant Contoller Infineon 50R1680AG APFC Controller Champion CM6502UHHX & CM03AX Green PFC controller Resonant & PWM Controller Champion CM6901X Quasi-Resonant Contoller Infineon 50R1680AG Primary side: Half-Bridge & LLC Resonant Controller Secondary side: Synchronous Rectification & DC-DC converters Secondary Side +12V MOSFETS 6x APower 4N1R8C-A (45V, 32A @ 70C, 1.8mOhm) DC-DC Converters: 4x Infineon PSMN2R0-30YLE (30V, 100A @ 100°C, 2.8mOhm @ 100°C) PVM Controller: APW715SC Electrolytics: 1x Nippon Chemi-Con (4-10,000 @ 105°C, KY), 2x Rubycon (3-6,000 @ 105°C, YXG) Polymers: Nippon Chemi-Con (G61B, G8, G84R, G84G, G85F), 6x Nichicon (LG) Supervisor IC Infino INIS429i-SCG Fan Controller PC16F1824 Fan Model Corsair NR092L (92mm, 12V, 0.22A, 3950 RPM, Rifle Bearing) 5VSB Circuit Rectifier 1x CSD18534 (60V, 13A @ 25°C, 9.8mOhm)	Primary Side	
Bridge Rectifier(s) IX APPC MOSFET Infineon IPZ60R060C7 (650V, 22A @ 100°C, 0.060hm) APFC Boost Diode ROHM SCS306AP (650V, 6A @ 135°C) Nippon Chemi-Con (420V, 470uF, 2000h @ 105°C, KMZ) 2x 60F2094 (600V, 15.8A @ 150°C, 0.190hm) Driver IC: Silicon Labs Si8230BD Quasi-Resonant Contoller Infineon SQR1680AG APFC Controller Champion CM6502UHHX & CM03AX Green PFC controller Resonant & PWM Controller Champion CM6901X Quasi-Resonant Contoller Infineon SQR1680AG Topology Primary side: Half-Bridge & LLC Resonant Controller Secondary Side +12V MOSFETS 6x APower 4N1R8C-A (45V, 32A @ 70C, 1.8mOhm) DC-DC Converters: 4x Infineon PSMN2R0-30YLE (30V, 100A @ 100°C, 2.8mOhm @ 100°C) PVM Controller: APW7159C Filtering Capacitors DC-DC Converters: 1x Infineon PSMN2R0-30YLE (30V, 100A @ 100°C, 2.8mOhm @ 100°C) PVM Controller: APW7159C Electrolytics: 1x Nippon Chemi-Con (4-10,000 @ 105°C, KY), 2x Rubycon (3-6,000 @ 105°C, YXG) Polymers: Nippon Chemi-Con (661B, G8, G84R, G84G, G85F), 6x Nichicon (LG) Supervisor IC Infino INIS429i-SCG Fan Controller PC16F1824 Fan Model Corsair NR092L (92mm, 12V, 0.22A, 3950 RPM, Rifle Bearing) 5VSB Circuit Rectifier 1x CSD18534 (60V, 13A @ 25°C, 9.8mOhm)	Transient Filter	4x Y caps, 2x X caps, 3x CM chokes, 1x MOV, 1x CMD02X
APFC MOSFET Infineon IPZ60R060C7 (650V, 22A @ 100°C, 0.060hm) APFC Boost Diode ROHM SCS306AP (650V, 6A @ 135°C) Nippon Chemi-Con (420V, 470uF, 2000h @ 105°C, KMZ) 2x 60F2094 (600V, 15.8A @ 150°C, 0.190hm) Driver IC: Silicon Labs Si8230BD Quasi-Resonant Contoller Infineon 5QR1680AG APFC Controller Champion CM6502UHHX & CM03AX Green PFC controller Resonant & PWM Controller Champion CM6901X Quasi-Resonant Contoller Infineon 5QR1680AG Primary side: Half-Bridge & LLC Resonant Controller Secondary Side: Synchronous Rectification & DC-DC converters Secondary Side +12V MOSFETS 6x APower 4N1R8C-A (45V, 32A @ 70C, 1.8mOhm) DC-DC Converters: 4x Infineon PSM12R0-30YLE (30V, 100A @ 100°C, 2.8mOhm @ 100°C) PWM Controller: APW7159C Electrolytics: 1x Nippon Chemi-Con (4-10,000 @ 105°C, KY), 2x Rubycon (3-6,000 @ 105°C, YXG) Polymers: Nippon Chemi-Con (661B, G8, G84R, G84G, G85F), 6x Nichicon (LG) Infino IN1S429i-SCG Fan Controller PC16F1824 Eventifier 1x CSD18534 (60V, 13A @ 25°C, 9.8mOhm)	Inrush Protection	NTC Thermistor & Diode
APFC Boost Diode ROHM SCS306AP (650V, 6A @ 135°C) Hold-up Cap Nippon Chemi-Con (420V, 470uF, 2000h @ 105°C, KMZ) 2x 60F2094 (600V, 15,8A @ 150°C, 0.19Ohm) Driver IC: Silicon Labs Si8230BD Quasi-Resonant Contoller Infineon 5QR1680AG APFC Controller Champion CM6502UHHX & CM03AX Green PFC controller Resonant & PWM Controller Champion CM6901X Quasi-Resonant Contoller Infineon 5QR1680AG Topology Primary side: Half-Bridge & LLC Resonant Controller Secondary side: Synchronous Rectification & DC-DC converters Secondary Side +12V MOSFETS 6x APower 4N1R8C-A (45V, 32A @ 70C, 1.8mOhm) DC-DC Converters: 4x Infineon PSMN2R0-30YLE (30V, 100A @ 100°C, 2.8mOhm @ 100°C) PWM Controller: APW7159C Filtering Capacitors Filtering Capacitors Filtering Capacitors Linfinno IN15429i-SCG Fan Controller PIC16F1824 Corsair NR092L (92mm, 12V, 0.22A, 3950 RPM, Rifle Bearing) SVS B Circuit Rectifier 1x CSD18534 (60V, 13A @ 25°C, 9.8mOhm)	Bridge Rectifier(s)	1x
Nippon Chemi-Con (420V, 470uF, 2000h @ 105°C, KMZ) 2x 60F2094 (600V, 15.8A @ 150°C, 0.190hm) Driver IC: Silicon Labs Si8230BD Quasi-Resonant Controller Infineon 5QR1680AG APFC Controller Champion CM6502UHHX & CM03AX Green PFC controller Resonant & PWM Controller Champion CM6901X Quasi-Resonant Contoller Infineon 5QR1680AG Topology Primary side: Half-Bridge & LLC Resonant Controller Secondary side: Synchronous Rectification & DC-DC converters Secondary Side +12V MOSFETS 6x APower 4N1R8C-A (45V, 32A @ 70C, 1.8mOhm) DC-DC Converters: 4x Infineon PSMN2R0-30YLE (30V, 100A @ 100°C, 2.8mOhm @ 100°C) PWM Controller: APW7159C Filtering Capacitors Polymers: Nippon Chemi-Con (4-10,000 @ 105°C, KY), 2x Rubycon (3-6,000 @ 105°C, YXG) Polymers: Nippon Chemi-Con (661B, G8, G84R, G84G, G85F), 6x Nichicon (LG) Supervisor IC Infino IN1S429i-SCG Fan Controller PIC16F1824 Corsair NR092L (92mm, 12V, 0.22A, 3950 RPM, Rifle Bearing) SVSB Circuit Rectifier 1x CSD18534 (60V, 13A @ 25°C, 9.8mOhm)	APFC MOSFET	Infineon IPZ60R060C7 (650V, 22A @ 100°C, 0.06Ohm)
Age of Secondary Side ### 12V MOSFETS ### Canyon Canverters: 4x Infineon PSMN2R0-30YLE (30V, 100A @ 100°C, 2.8mOhm @ 100°C) ### PWM Controller ### 15V MOSFETS ### 15V MOSF	APFC Boost Diode	ROHM SCS306AP (650V, 6A @ 135°C)
Driver IC: Silicon Labs Si8230BD Quasi-Resonant Contoller Infineon 5QR1680AG APFC Controller Champion CM6502UHHX & CM03AX Green PFC controller Resonant & PWM Controller Champion CM6901X Quasi-Resonant Contoller Infineon 5QR1680AG Primary side: Half-Bridge & LLC Resonant Controller Topology Primary side: Synchronous Rectification & DC-DC converters Secondary Side +12V MOSFETS 6x APower 4N1R8C-A (45V, 32A @ 70C, 1.8mOhm) DC-DC Converters: 4x Infineon PSMN2R0-30YLE (30V, 100A @ 100°C, 2.8mOhm @ 100°C) PWM Controller: APW7159C Filtering Capacitors Electrolytics: 1x Nippon Chemi-Con (4-10,000 @ 105°C, KY), 2x Rubycon (3-6,000 @ 105°C, YXG) Polymers: Nippon Chemi-Con (G61B, G8, G84R, G84G, G85F), 6x Nichicon (LG) Supervisor IC Infinno IN1S429i-SCG Fan Controller PIC16F1824 Fan Model Corsair NR092L (92mm, 12V, 0.22A, 3950 RPM, Rifle Bearing) 5VSB Circuit Rectifier 1x CSD18534 (60V, 13A @ 25°C, 9.8mOhm)	Hold-up Cap	Nippon Chemi-Con (420V, 470uF, 2000h @ 105°C, KMZ)
APFC Controller Champion CM6502UHHX & CM03AX Green PFC controller Champion CM6901X Quasi-Resonant Controller Infineon 5QR1680AG Primary side: Half-Bridge & LLC Resonant Controller Secondary Side: Synchronous Rectification & DC-DC converters Secondary Side +12V MOSFETS 6x APower 4N1R8C-A (45V, 32A @ 70C, 1.8mOhm) DC-DC Converters: 4x Infineon PSMN2R0-30YLE (30V, 100A @ 100°C, 2.8mOhm @ 100°C) PWM Controller: APW7159C Electrolytics: 1x Nippon Chemi-Con (4-10,000 @ 105°C, KY), 2x Rubycon (3-6,000 @ 105°C, YXG) Polymers: Nippon Chemi-Con (G61B, G8, G84R, G84G, G85F), 6x Nichicon (LG) Supervisor IC Infinno IN1S429i-SCG Fan Controller PIC16F1824 Fan Model Corsair NR092L (92mm, 12V, 0.22A, 3950 RPM, Rifle Bearing) 5VSB Circuit Rectifier 1x CSD18534 (60V, 13A @ 25°C, 9.8mOhm)	Main Switchers	
Resonant & PWM Controller Champion CM6901X Quasi-Resonant Contoller Infineon 5QR1680AG Primary side: Half-Bridge & LLC Resonant Controller Secondary Side +12V MOSFETS 6x APower 4N1R8C-A (45V, 32A @ 70C, 1.8mOhm) DC-DC Converters: 4x Infineon PSMN2R0-30YLE (30V, 100A @ 100°C, 2.8mOhm @ 100°C) PWM Controller: APW7159C Electrolytics: 1x Nippon Chemi-Con (4-10,000 @ 105°C, KY), 2x Rubycon (3-6,000 @ 105°C, YXG) Polymers: Nippon Chemi-Con (G61B, G8, G84R, G84G, G85F), 6x Nichicon (LG) Supervisor IC Infinno IN1S429i-SCG Fan Controller PIC16F1824 Fan Model Corsair NR092L (92mm, 12V, 0.22A, 3950 RPM, Rifle Bearing) 5VSB Circuit Rectifier 1x CSD18534 (60V, 13A @ 25°C, 9.8mOhm)	Quasi-Resonant Contoller	Infineon 5QR1680AG
Quasi-Resonant Contoller Infineon 5QR1680AG Primary side: Half-Bridge & LLC Resonant Controller Secondary side: Synchronous Rectification & DC-DC converters Secondary Side +12V MOSFETS 6x APower 4N1R8C-A (45V, 32A @ 70C, 1.8mOhm) DC-DC Converters: 4x Infineon PSMN2R0-30YLE (30V, 100A @ 100°C, 2.8mOhm @ 100°C) PWM Controller: APW7159C Electrolytics: 1x Nippon Chemi-Con (4-10,000 @ 105°C, KY), 2x Rubycon (3-6,000 @ 105°C, YXG) Polymers: Nippon Chemi-Con (G61B, G8, G84R, G84G, G85F), 6x Nichicon (LG) Supervisor IC Infinno IN1S429i-SCG Fan Controller PIC16F1824 Fan Model Corsair NR092L (92mm, 12V, 0.22A, 3950 RPM, Rifle Bearing) 5VSB Circuit Rectifier 1x CSD18534 (60V, 13A @ 25°C, 9.8mOhm)	APFC Controller	Champion CM6502UHHX & CM03AX Green PFC controller
Primary side: Half-Bridge & LLC Resonant Controller Secondary Side Secondary Side +12V MOSFETS 6x APower 4N1R8C-A (45V, 32A @ 70C, 1.8mOhm) DC-DC Converters: 4x Infineon PSMN2R0-30YLE (30V, 100A @ 100°C, 2.8mOhm @ 100°C) PWM Controller: APW7159C Electrolytics: 1x Nippon Chemi-Con (4-10,000 @ 105°C, KY), 2x Rubycon (3-6,000 @ 105°C, YXG) Polymers: Nippon Chemi-Con (G61B, G8, G84R, G84G, G85F), 6x Nichicon (LG) Supervisor IC Infinno IN1S429i-SCG Fan Controller PIC16F1824 Fan Model Corsair NR092L (92mm, 12V, 0.22A, 3950 RPM, Rifle Bearing) 5VSB Circuit Rectifier 1x CSD18534 (60V, 13A @ 25°C, 9.8mOhm)	Resonant & PWM Controller	Champion CM6901X
Secondary Side Secondary Secondary Secondary Secondary Secondary Secondary Secondary Secondary Secondary Secondary Secondary Secondary Secondary Secondary Secondary Secondary Secondary Secondary Secondary Secondary Secondary Secondary Secondary Secondary Secondary Secondary Secondary Secondary Secondary Secondary Secondary Secondary Secondary Se	Quasi-Resonant Contoller	Infineon 5QR1680AG
6x APower 4N1R8C-A (45V, 32A @ 70C, 1.8mOhm) DC-DC Converters: 4x Infineon PSMN2R0-30YLE (30V, 100A @ 100°C, 2.8mOhm @ 100°C) PWM Controller: APW7159C Electrolytics: 1x Nippon Chemi-Con (4-10,000 @ 105°C, KY), 2x Rubycon (3-6,000 @ 105°C, YXG) Polymers: Nippon Chemi-Con (G61B, G8, G84R, G84G, G85F), 6x Nichicon (LG) Supervisor IC Infinno IN1S429i-SCG Fan Controller PIC16F1824 Fan Model Corsair NR092L (92mm, 12V, 0.22A, 3950 RPM, Rifle Bearing) 5VSB Circuit Rectifier 1x CSD18534 (60V, 13A @ 25°C, 9.8mOhm)	Topology	
DC-DC Converters: 4x Infineon PSMN2R0-30YLE (30V, 100A @ 100°C, 2.8mOhm @ 100°C) PWM Controller: APW7159C Electrolytics: 1x Nippon Chemi-Con (4-10,000 @ 105°C, KY), 2x Rubycon (3-6,000 @ 105°C, YXG) Polymers: Nippon Chemi-Con (G61B, G8, G84R, G84G, G85F), 6x Nichicon (LG) Supervisor IC Infinno IN1S429i-SCG Fan Controller PIC16F1824 Fan Model Corsair NR092L (92mm, 12V, 0.22A, 3950 RPM, Rifle Bearing) 5VSB Circuit Rectifier 1x CSD18534 (60V, 13A @ 25°C, 9.8mOhm)	Secondary Side	
PWM Controller: APW7159C Electrolytics: 1x Nippon Chemi-Con (4-10,000 @ 105°C, KY), 2x Rubycon (3-6,000 @ 105°C, YXG) Polymers: Nippon Chemi-Con (G61B, G8, G84R, G84G, G85F), 6x Nichicon (LG) Supervisor IC Infinno IN1S429i-SCG Fan Controller PIC16F1824 Fan Model Corsair NR092L (92mm, 12V, 0.22A, 3950 RPM, Rifle Bearing) 5VSB Circuit Rectifier 1x CSD18534 (60V, 13A @ 25°C, 9.8mOhm)	+12V MOSFETS	6x APower 4N1R8C-A (45V, 32A @ 70C, 1.8mOhm)
Polymers: Nippon Chemi-Con (G61B, G8, G84R, G84G, G85F), 6x Nichicon (LG) Supervisor IC Infinno IN1S429i-SCG Fan Controller PIC16F1824 Corsair NR092L (92mm, 12V, 0.22A, 3950 RPM, Rifle Bearing) 5VSB Circuit Rectifier 1x CSD18534 (60V, 13A @ 25°C, 9.8mOhm)	5V & 3.3V	
Fan Controller PIC16F1824 Fan Model Corsair NR092L (92mm, 12V, 0.22A, 3950 RPM, Rifle Bearing) 5VSB Circuit Rectifier 1x CSD18534 (60V, 13A @ 25°C, 9.8mOhm)	Filtering Capacitors	
Fan Model Corsair NR092L (92mm, 12V, 0.22A, 3950 RPM, Rifle Bearing) 5VSB Circuit Rectifier 1x CSD18534 (60V, 13A @ 25°C, 9.8mOhm)	Supervisor IC	Infinno IN1S429i-SCG
5VSB Circuit Rectifier	Fan Controller	PIC16F1824
Rectifier 1x CSD18534 (60V, 13A @ 25°C, 9.8mOhm)	Fan Model	Corsair NR092L (92mm, 12V, 0.22A, 3950 RPM, Rifle Bearing)
	5VSB Circuit	
Step-Down Converter Texas Instruments TPS54231 (3.5V-28V Input, 2A)	Rectifier	1x CSD18534 (60V, 13A @ 25°C, 9.8mOhm)
	Step-Down Converter	Texas Instruments TPS54231 (3.5V-28V Input, 2A)

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

PAGE 2/9



Anex

Corsair SF750 Platinum

RESULTS	
Temperature Range (°C /°F)	30-32 / 86-89.6
Average Efficiency	90.210
Efficiency With 10W (≤500W) or 2% (>500W) Load -115V	54.190
Average Efficiency 5VSB	83.081
Standby Power Consumption (W) -115V	0.0476897
Standby Power Consumption (W) -230V	0.0747045
Average PF	0.981
ErP Lot 3/6 Ready	✓
(EU) No 617/2013 Compliance	✓
Avg Noise Output	26.20
Efficiency Rating (ETA)	PLATINUM
Noise Rating (LAMBDA)	A-

TEST EQUIPMENT							
Electronic Loads	Chroma 6314A x2 63123A x6 63102A 63101A	Chroma 63601-5 x4 Chroma 63600-2 x2 63640-80-80 x20 63610-80-20 x2					
AC Sources	Chroma 6530, Chroma 61604, Keysight AC6804B						
Power Analyzers	N4L PPA1530 x2, 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 4955-A, Bruel & Kjaer Type 4189						
Data Loggers	Picoscope TC-08 x2, Labjack U3-HV x2						

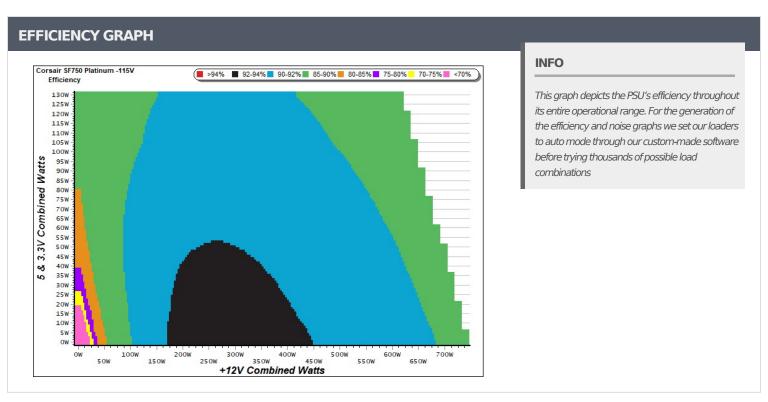
All data and graphs included in this test report can be used by any individual on the following conditions:

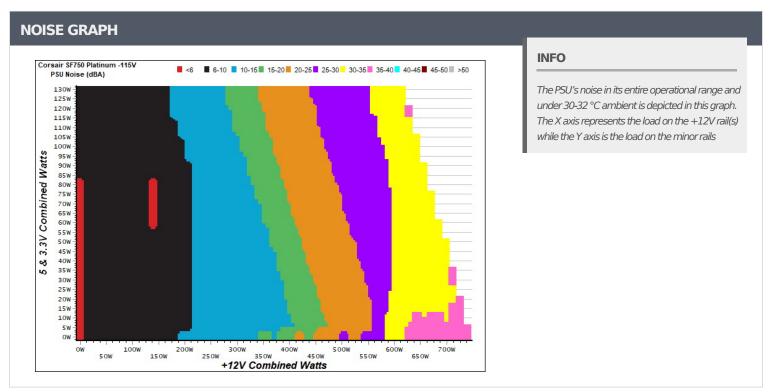
- > It should be mentioned that the test results are provided by Cybenetics
- > The link to the original test results document should be provided in any case

PAGE 3/9



Anex Corsair SF750 Platinum





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

PAGE 4/9



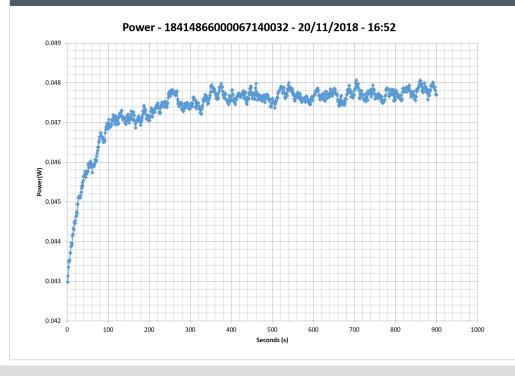
Anex

Corsair SF750 Platinum

5VSB	EFFICIENC	CY -115V (ER	RP LOT 3/6 &	CEC)
Test#	5VSB	DC/AC (Watts)	Efficiency	PF/AC Volts
1	0.045A	0.227	CF 4100/	0.049
1	5.045V	0.347	65.418%	115.06V
2	0.090A	0.455	70.0720/	0.088
2	5.044V	0.642	70.872%	115.06V
	0.550A	2.772	04.0000/	0.304
3	5.038V	3.264	84.926%	115.06V
	1.000A	5.033	04.6740/	0.387
4	5.033V	5.944	84.674%	115.06V
_	1.500A	7.540	02.2700/	0.432
5	5.026V	9.043	83.379%	115.07V
6	2.500A	12.535	02.4200/	0.472
6	5.013V	15.023	83.439%	115.06V

5VSB	5VSB EFFICIENCY -230V (ERP LOT 3/6 & CEC)								
Test #	5VSB	DC/AC (Watts)	Efficiency	PF/AC Volts					
1	0.045A	0.228	F7.0C00/	0.017					
1	5.045V	0.394	57.868%	230.03V					
2	0.090A	0.455	65.280%	0.030					
	5.044V	0.697	05.280%	230.21V					
3	0.550A	2.772	82.746%	0.132					
3	5.038V	3.350	82.740%	230.20V					
4	1.000A	5.033	04 2770/	0.208					
4	5.032V	5.972	84.277%	230.21V					
_	1.500A	7.540	02.0740/	0.269					
5	5.026V	8.979	83.974%	230.21V					
	2.500A	12.534	04.0470/	0.338					
6	5.013V	14.913	84.047%	230.21V					

VAMPIRE POWER -115V



INFO

This graph is generated by the PPA Standby Power Analysis software which takes full control of the power analyzer during the whole procedure. This application features all of the EN50564 & IEC62301 test limits for standby power software testing

 $\hbox{All data and graphs included in this test report can be used by any individual on the following conditions: } \\$

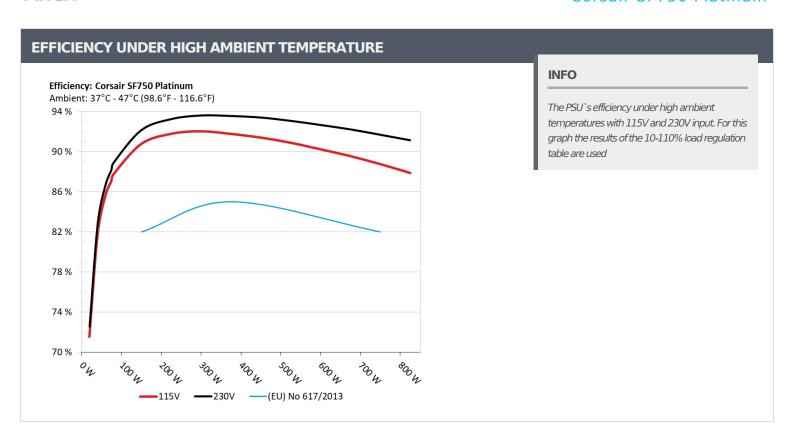
- > It should be mentioned that the test results are provided by Cybenetics
- > The link to the original test results document should be provided in any case

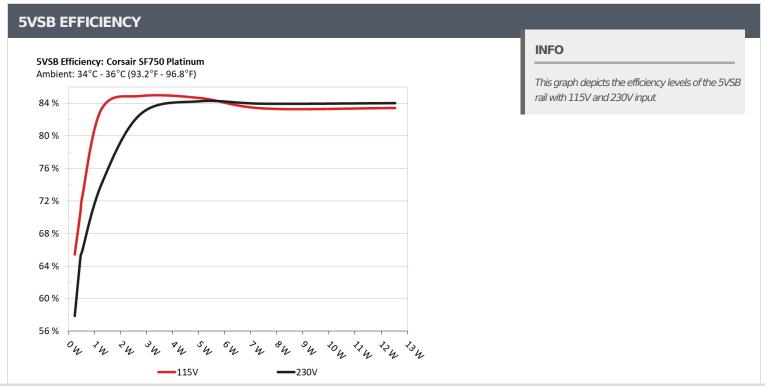
PAGE 5/9



Anex

Corsair SF750 Platinum





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

PAGE 6/9



Anex

Corsair SF750 Platinum

10-1	.10% LOA	D TESTS								
Test #	12V	5V	3.3V	5VSB	DC/AC (Watts)	Efficiency	Fan Speed (RPM)	PSU Noise (dB[A])	Temps (In/Out)	PF/AC Volts
	4.387A	1.973A	1.961A	0.994A	74.402	07.0000			40.36°C	0.941
1	12.038V	5.069V	3.361V	5.029V	85.461	87.060%	0	<6.0	46.52°C	115.05V
2	9.839A	2.959A	2.947A	1.195A	149.290	00.7600/		-6.0	40.67°C	0.965
2	12.033V	5.067V	3.360V	5.023V	164.473	90.769%	0	<6.0	47.57°C	115.04V
_	15.693A	3.454A	3.424A	1.395A	224.798	01.7000/			41.48°C	0.973
3	12.031V	5.066V	3.358V	5.017V	244.911	91.788%	0	<6.0	49.44°C	115.04V
	21.482A	3.948A	3.933A	1.596A	299.577	02.0200/			41.93°C	0.980
4	12.028V	5.064V	3.356V	5.012V	325.488	92.039%	0	<6.0	50.47°C	115.04V
_	26.935A	4.938A	4.915A	1.799A	374.556	01.7020/		12.0	42.23°C	0.985
5	12.031V	5.064V	3.355V	5.005V	408.090	91.783%	1363	13.2	52.15°C	115.05V
	32.388A	5.927A	5.901A	2.001A	449.464	0	1516		42.84°C	0.989
6	12.031V	5.063V	3.354V	4.999V	491.674	91.415%		18.1	53.78°C	115.04V
_	37.878A	6.917A	6.893A	2.204A	524.787	00.0000/	2022	27.5	43.44°C	0.991
7	12.030V	5.061V	3.352V	4.992V	577.337	90.898%	2033	27.5	54.73°C	115.04V
•	43.375A	7.906A	7.880A	2.407A	600.118	00.0400/	2001	25.0	43.70°C	0.992
8	12.028V	5.060V	3.350V	4.986V	665.024	90.240%	2691	35.2	56.06°C	115.04V
	49.237A	8.404A	8.362A	2.409A	674.640	00 - 0-0/			44.59°C	0.993
9	12.026V	5.059V	3.348V	4.983V	753.228	89.567%	3210	40.0	58.12°C	115.04V
10	55.100A	8.901A	8.875A	2.511A	749.785	00.7600/	2722	44.2	45.98°C	0.994
10	12.025V	5.057V	3.346V	4.978V	844.649	88.769%	% 3723	44.3	60.26°C	115.03V
11	61.359A	8.903A	8.881A	2.513A	825.003	07.0000/	2070	44.7	46.74°C	0.995
11	12.024V	5.056V	3.345V	4.975V	938.701	87.888%	3879	44.7	62.50°C	115.03V
CI 1	0.141A	16.005A	16.000A	0.000A	136.603	05 7200/	1744	21.0	42.00°C	0.965
CL1	12.043V	5.067V	3.363V	5.032V	159.324	85.739%	1744	21.9	52.82°C	115.06V
CI 2	62.514A	1.000A	1.000A	1.000A	765.140	00.16227	89.163% 3678	42.0	45.16°C	0.994
CL2	12.025V	5.060V	3.346V	5.003V	858.132	89.163%		43.8	60.64°C	115.03V

All data and graphs included in this test report can be used by any individual on the following conditions:

PAGE 7/9

> 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



Anex

Corsair SF750 Platinum

20-80W LOAD TESTS									
Test#	12V	5V	3.3V	5VSB	DC/AC (Watts)	Efficiency	Fan Speed (RPM)	PSU Noise (dB[A])	PF/AC Volts
1	1.195A	0.492A	0.475A	0.198A	19.459	71.5500/		<6.0	0.865
1	12.025V	5.069V	3.361V	5.042V	27.194	71.556%	0		115.04V
2	2.458A	0.985A	0.983A	0.397A	39.857	01.7010/	21% 0		0.911
2	12.026V	5.069V	3.360V	5.039V	48.772	81.721%		<6.0	115.05V
2	3.655A	1.479A	1.455A	0.596A	59.355	05 6020/			0.936
3	12.030V	5.068V	3.360V	5.035V	69.338	85.602%	0	<6.0	115.04V
4	4.918A	1.973A	1.963A	0.795A	79.788	07.7410/		<6.0	0.949
4	12.036V	5.068V	3.360V	5.031V	90.936	87.741%	0		115.05V

RIPPLE MEASUREMENTS									
Test	12V	5V	3.3V	5VSB	Pass/Fail				
10% Load	11.3 mV	11.3 mV	5.4 mV	7.0 mV	Pass				
20% Load	11.4 mV	11.4 mV	6.3 mV	8.1 mV	Pass				
30% Load	8.7 mV	13.4 mV	8.5 mV	8.9 mV	Pass				
40% Load	11.5 mV	13.3 mV	8.4 mV	9.6 mV	Pass				
50% Load	13.4 mV	15.5 mV	9.8 mV	10.5 mV	Pass				
60% Load	15.5 mV	15.1 mV	10.9 mV	12.1 mV	Pass				
70% Load	17.6 mV	17.1 mV	11.9 mV	14.4 mV	Pass				
80% Load	20.5 mV	17.5 mV	13.5 mV	16.6 mV	Pass				
90% Load	22.4 mV	17.9 mV	14.5 mV	18.8 mV	Pass				
100% Load	29.5 mV	20.2 mV	16.7 mV	20.9 mV	Pass				
110% Load	32.5 mV	21.3 mV	17.7 mV	23.3 mV	Pass				
Crossload 1	17.3 mV	18.0 mV	15.5 mV	16.7 mV	Pass				
Crossload 2	29.4 mV	18.5 mV	11.6 mV	21.6 mV	Pass				

All data and graphs included in this test report can be used by any individual on the following conditions:

PAGE 8/9

> It should be mentioned that the test results are provided by Cybenetics

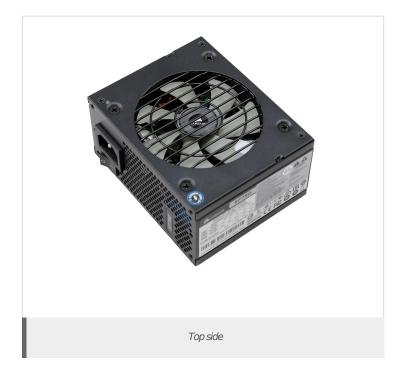
> The link to the original test results document should be provided in any case



Anex

Corsair SF750 Platinum

HOLD-UP TIME & POWER OK SIGNAL (230V)	
Hold-Up Time (ms)	11.60
AC Loss to PWR_OK Hold Up Time (ms)	8.80
PWR_OK Inactive to DC Loss Delay (ms)	2.80







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

PAGE 9/9