PSE Power Management Analyzer	
February 29, 2024 2:24 PM	
PSE Tested:	SAMPLE HYBRID PSE
Ports Tested:	48

Basic PSE Characteristics		
Grant Method	PHY	*PHY, PHY+LLDP, LLDP, or NONE*
Max 2Pr Class	4	*Class 3 or Class 4*
Max 4Pr Class	6	*Class 3, 4, 5, 6, 7, or 8*

Evaluation Catagories
Nominal or Ideal Result
Non-Ideal Feature / Design Limitation
802.3 Specification Violation

Sifos Technologies

PSE Power Management Analyzer Report
Analyzer Suite: **5.4.00**
Report Version: **5.4.00**
Error Log: NONE

PSL-3242L Test Port Resources	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
1 192.168.221.138:																								
2 192.168.221.238:																								
3 NONE:																								
4 NONE:																								

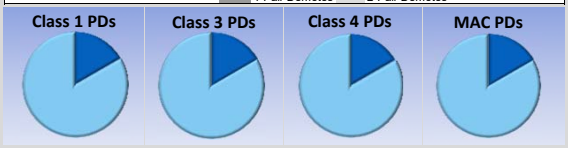
Key: 4-Pair Powering Port 2-Pair Powering Port

PSE Powering Characteristics	Voltage (V)		Pclass (Watts)	
	2-Pair	4-Pair	2-Pair	4-Pair
Class 3	53.73	53.93	13.8	13.4
Class 4	53.36	53.71	29.3	27.1
Max Asgn Class	53.36	53.33	29.3	58.5

Power Granting & Stability Tests

	Class 1	Class 3	Class 4	Max Asgn Cl.	
Minimum Granted Ports	48	48	48	48	
Maximum Granted Ports	48	48	48	48	
Minimum Flapping Ports	0	0	0	0	
Maximum Flapping Ports	0	0	0	0	
Minimum Demoted Ports			0	0	
Maximum Demoted Ports			0	0	
Minimum Grant Time (sec)		1	1	1	sec.
Maximum Grant Time (sec)		34	36	37	sec.
Maximum 2-Pair Granted Ports	40	40	40	40	
Maximum 4-Pair Granted Ports	8	8	8	8	
Maximum 2-Pair Demoted Ports			0	0	
Maximum 4-Pair Demoted Ports			0	0	

Port Distribution Key: 4-Pair Grants 2-Pair Grants Unpowered 4-Pair Demotes 2-Pair Demotes

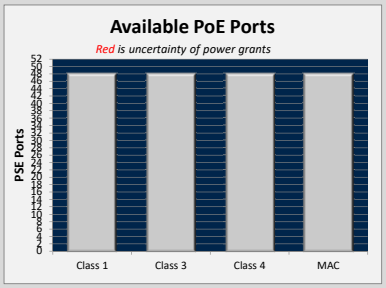
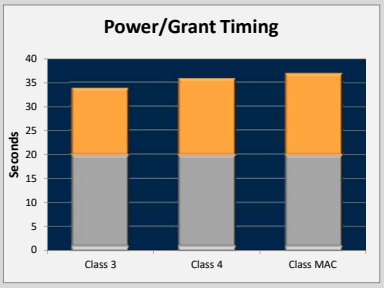
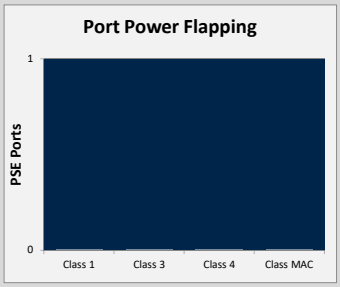
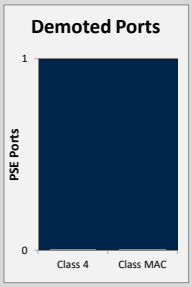
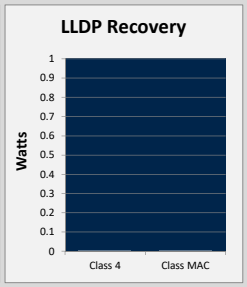
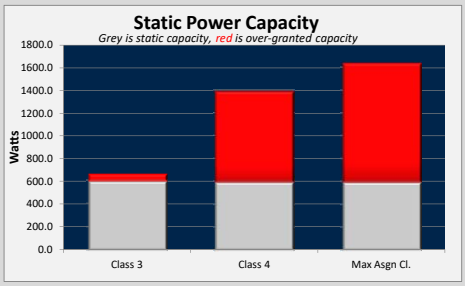
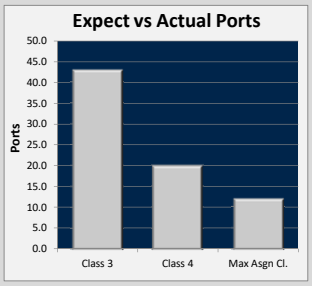
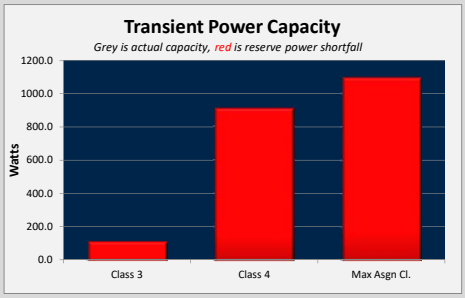
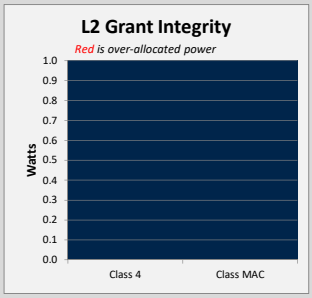


LLDP Power Recovery Tests

	Class 4	Max Asgn Cl.	
2-Pair LLDP Grant Count			ports
4-Pair LLDP Grant Count			ports
2-Pair Pclass			watts
4-Pair Pclass			watts
Released Power			watts
Utilized Power			watts
Power Recovery			%

Power Capacity Tests

	Class 3	Class 4	Max Asgn Cl.	
Granted Power	659.2	1388.8	1640.0	watts
Static Power Capacity	597.3	597.6	597.5	watts
Power Grant Integrity	-61.9	-791.2	-1042.5	watts
Under Grant Count	0	0		ports
Under Grant Count (2-Pair)			0	ports
Under Grant Count (4-Pair)			0	ports
Expected Ports @ Pclass	43	20	12	ports
Actual Ports @ Pclass	43	20	12	ports
Minimum Port Voltage (2-Pair)	53.0	53.0	53.1	volts
Minimum Port Voltage (4-Pair)	53.3	53.4	53.3	volts
Transient Load Capacity	**0.0**	**0.0**	**0.0**	watts
Required Transient Power Reserve	109.9	908.9	1098.2	watts
LLDP Grant Integrity				watts

Stress & Service Recovery Tests

	Class 3	Class 4	Max Asgn Cl.	
Stress Duration			0.02	hours
Stress Test Port Count			46	ports
Port Drops (2-Pair)			0	events
Port Drops (4-Pair)			0	events
Startup_Load_Response			23	ports
Lost PoE Service			0	ports