PSE Power Management Analyzer	
March 5, 2024 5:49 PM	
PSE Tested:	Hybrid 802.3bt/802.3at
Ports Tested:	24

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
802.3at Specification Violation

Sifos Technologies

PSE Power Management Analyzer Report
Analyzer Suite: 5.4.00
Report Version: 5.4.00

PSL-3424A 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	192.168.221.78																							
2																								
3																								
4																								

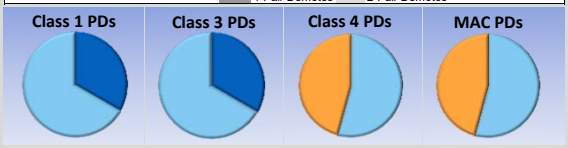
Key: 4-Pair Powering Port; 2-Pair Powering Port

PSE Powering Characteristics	Voltage (V)		Pclass (Watts)	
	2-Pair	4-Pair	2-Pair	4-Pair
Class 3	54.95	55	13.8	13.4
Class 4	54.48	54.76	29.1	27
Max Asgn Class	54.48	54.24	29.1	58.2

Power Granting & Stability Tests

	Class 1	Class 3	Class 4	Max Asgn Cl.	
Minimum Granted Ports	24	24	13	13	
Maximum Granted Ports	24	24	13	13	
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)		8	10	11	sec.
Maximum 2-Pair Granted Ports	16	16	13	13	
Maximum 4-Pair Granted Ports	8	8	0	0	
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



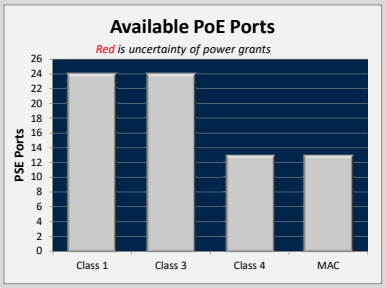
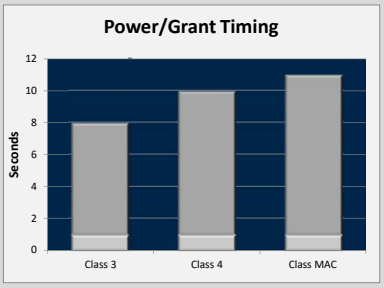
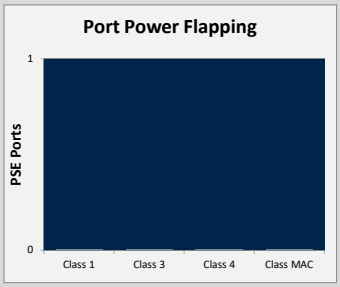
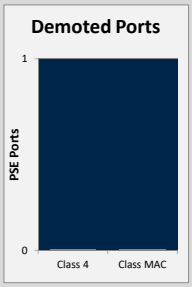
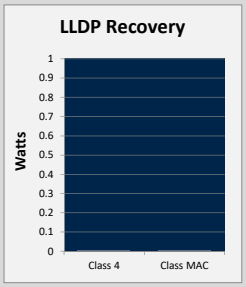
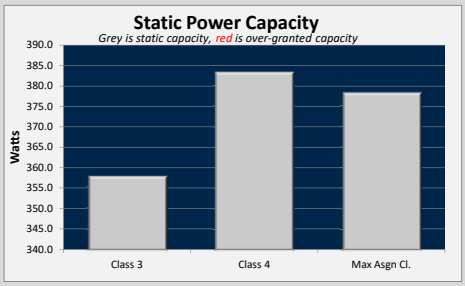
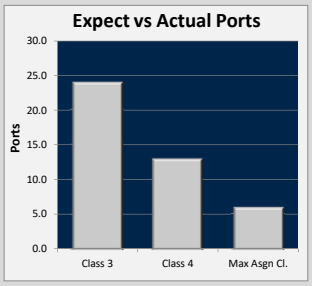
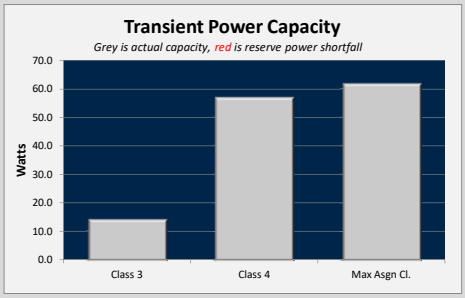
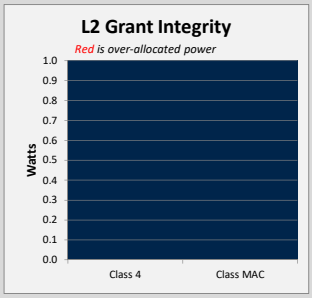
LLDP Power Recovery Tests

	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	328.0	378.3	378.3	watts
Static Power Capacity	357.8	383.5	378.4	watts
Power Grant Integrity	29.8	5.2	0.1	watts
Under Grant Count	0	0		ports
Under Grant Count (2-Pair)			0	ports
Under Grant Count (4-Pair)			0	ports
Expected Ports @ Pclass	24	13	6	ports
Actual Ports @ Pclass	24	13	6	ports
Minimum Port Voltage (2-Pair)	53.0	52.3	52.4	volts
Minimum Port Voltage (4-Pair)	53.2	0.0	0.0	volts
Transient Load Capacity	14.2	57.1	62.0	watts
Required Transient Power Reserve	8.5	49.0	53.9	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			13	ports
Port Drops (2-Pair)			0	events
Port Drops (4-Pair)			0	events
Startup_Load_Response				ports
Lost PoE Service				ports

ALERT: High Upstream Voltage Drop. See Notes.