

802.3at Conformance Report

September 30 2020 5:17 PM
 Port Count..... 2
 Loop Count..... 1
 PSE Tested: 000.000.000.000 Type-2

Sifos PSE Interop Index*:
 Tests Run: 19
 Total Parameters: 83

87%

version 4.2.13
 report version 4.2.01


Interoperability Test Items	UNITS	Min	Max	Average	Low Limit	P/F	High Limit	P/F	Deduct Points
High_Sig_MaxV=	volts	11.3	11.3	11.3	3.8	Pass	11	Info	0.4%
Rgood_Max=	Kohm	24	29	26.5	26	Fail	32	Pass	2.0%
Rgood_Min=	Kohm	17	24	20.5	16	Pass	19	Fail	2.0%
Rmid_det=	Kohm	24	29	26.5	26	Fail	33	Pass	1.2%
Eff_Backoff_Tdbo_eff=	msec	320	15000	7660	-1	Pass	1500	Info	0.4%
Detection_Time_Tdet=	msec	12	773	392.5	5	Pass	500	Fail	0.4%
Event1_Tcle1=	msec	98.9	98.9	98.9	5.6	Pass	30	Fail	2.0%
Class_lim=	mA	-1	-1	-1	51	Fail	100	Pass	0.4%
Pwr_Cl_lim=	****	-1	-1	-1	0	Fail	0	Pass	0.4%
Pwr_Cl_55=	****	-1	-1	-1	0	Fail	0	Pass	0.4%
Mark_lim=	mA	-1	-1	-1	5	Fail	100	Pass	0.4%
Pwr_Cl_Uneven=	****	-1	-1	-1	0	Fail	0	Pass	1.2%
Treset=	msec	0	0	0	15	Fail	10000	Pass	0.4%
Tlim_2=	msec	9999	9999	9999	10	Pass	75	Fail	1.2%

Sifos PSE Interop Index Defined

The Sifos Interop Index is an aggregate summary derived from PSE Conformance Testing Results. The index only considers those PSE characteristics that **may** affect PSE inter-operation with:

- 1) All possible 802.3at compliant PD's
- 2) Non-Compliant 802.3at PD's that that would successfully inter-operate 802.3at PSE's that fully meet all PSE specifications.

PSE Conformance Test parameters are individually weighted with values of 5, 3, 1, or 0 depending upon impact to PD interoperation. Many Conformance Test parameters have no impact on PD Interoperation meaning those parameters will not affect the Interop Index. Conversely, parameters such as port power capacity, output voltage, and signaling levels all weigh heavily into the Interop Index. The weightings by parameter are included with the Limits section of this document.

The Interop Index should **not** be interpreted as a probability or percentage of PD's that will operate with this PSE. Instead, it is simply an aggregate score of performance developed from the test data collected on the Loop1 page of this report. It will be influenced therefore by what tests are run and by how many ports are tested.