

REPORT SAMPLES: pva_veriphy

Sample #1: 6-Port Test of a Nominally Performing Gigabit Ethernet Switch

PVA_VERIPHY Test Report		Date: April 17, 2013	Time: 10:36 AM		DUT Type:		DCE
Parameter	Pair	1,1	1,2	2,1	2,2	3,1	3,2
Initial Check-Out							
Summary		GOOD	GOOD	GOOD	GOOD	GOOD	GOOD
Link Success 10		OK	OK	OK	OK	OK	OK
Link Success 100		OK	OK	OK	OK	OK	OK
Link Success 1000		OK	OK	OK	OK	OK	OK
Link Stability 10		100	100	100	100	100	100
Link Stability 100		100	100	100	100	100	100
Link Stability 1000		100	100	100	100	100	100
SNR 100	3	36.0	36.0	36.0	36.0	36.0	36.0
SNR 1000	3	36.0	36.0	36.0	36.0	36.0	36.0
Transmitter Check							
Summary		GOOD	GOOD	GOOD	GOOD	GOOD	GOOD
Vpk-pk 100	3	2.07	2.02	2.02	2.02	2.02	2.04
PSD 50KHz 100	3	0.4	0.2	0.2	0.2	0.2	0.2
PSD 62.5MHz 100	3	-0.2	-0.4	-0.4	-0.4	-0.4	-0.5
Vpk-pk 1000	2	1.52	1.47	1.51	1.44	1.49	1.46
PSD 50KHz 1000	2	-0.9	0.1	-0.1	-0.1	-0.3	-0.4
PSD 62.5MHz 1000	2	-0.7	-0.6	-0.7	-0.8	-0.7	-0.7
Return Loss	2	-23.2	-24.0	-23.2	-24.6	-21.7	-26.0
Receiver Check							
Summary		GOOD	GOOD	GOOD	GOOD	GOOD	GOOD
Rx Integrity 1000		100	100	100	100	100	100
Total Test Time:	473	Sec					
Test Time/Port:	78.8	Sec					

Sample #2: 6-Port Test of a Marginally Performing Gigabit Ethernet Switch (boxes added)

PVA_VERIPHY Test Report		Date: April 16, 2013	Time: 07:27 PM		DUT Type:		DCE
Parameter	Pair	1,1	1,2	2,1	2,2	3,1	3,2
Initial Check-Out							
Summary		GOOD	GOOD	GOOD	GOOD	GOOD	GOOD
Link Success 10		OK	OK	OK	OK	OK	OK
Link Success 100		OK	OK	OK	OK	OK	OK
Link Success 1000		OK	OK	OK	OK	OK	OK
Link Stability 10		100	100	100	100	100	100
Link Stability 100		100	100	100	100	100	100
Link Stability 1000		100	100	100	100	100	100
SNR 100	3	36.0	36.0	36.0	36.0	36.0	36.0
SNR 1000	3	35.8	35.3	36.0	36.0	36.0	35.6
Transmitter Check							
Summary		GOOD	GOOD	GOOD	MARGINAL	GOOD	GOOD
Vpk-pk 100	3	2.04	2.02	2.02	2.02	2.04	2.04
PSD 50KHz 100	3	0.2	0.0	-0.0	0.1	0.2	0.1
PSD 62.5MHz 100	3	-0.3	-0.4	-0.3	-0.3	-0.2	-0.3
Vpk-pk 1000	2	1.39	1.36	1.36	1.32	1.38	1.35
PSD 50KHz 1000	2	-1.8	-1.4	-1.4	-1.2	-1.0	-1.1
PSD 62.5MHz 1000	2	-1.5	-1.6	-1.6	-1.8	-1.5	-1.6
Return Loss	2	-26.0	-26.0	-26.0	-26.0	-26.0	-26.0
Receiver Check							
Summary		GOOD	GOOD	GOOD	GOOD	GOOD	MARGINAL
Rx Integrity 1000		100	100	100	100	100	97
Total Test Time:	491	Sec					
Test Time/Port:	81.8	Sec					

REPORT SAMPLES: pva_veriphy

Sample #3: 6-Port Test of a Failing Gigabit Ethernet Switch (boxes added)

PVA_VERIPHY Test Report		Date: April 17, 2013			Time: 02:53 PM		DUT Type: DCE	
Parameter	Pair	1,1	1,2	2,1	2,2	3,1	3,2	
Initial Check-Out								
Summary		GOOD	MARGINAL	GOOD	GOOD	GOOD	GOOD	
Link Success 10		OK	OK	OK	OK	OK	OK	
Link Success 100		OK	OK	OK	OK	OK	OK	
Link Success 1000		OK	OK	OK	OK	OK	OK	
Link Stability 10		100	100	100	100	100	100	
Link Stability 100		100	100	100	100	100	100	
Link Stability 1000		100	100	100	100	100	100	
SNR 100	3	36.0	36.0	36.0	36.0	36.0	36.0	
SNR 1000	3	36.0	30.8	34.6	32.4	36.0	34.7	
Transmitter Check								
Summary		GOOD	FAIL	MARGINAL	FAIL	GOOD	GOOD	
Vpk-pk 100	3	2.11	2.07	2.09	2.01	2.11	2.09	
PSD 50KHz 100	3	0.6	0.5	0.6	0.6	0.6	0.5	
PSD 62.5MHz 100	3	-0.2	-0.5	-0.2	-0.1	-0.0	-0.3	
Vpk-pk 1000	2	1.36	1.32	1.35	1.26	1.34	1.35	
PSD 50KHz 1000	2	-0.6	-0.5	-0.6	-1.5	-0.7	-0.6	
PSD 62.5MHz 1000	2	-2.5	-2.6	-2.5	-2.7	-2.6	-2.4	
Return Loss	2	-26.0	-17.2	-19.5	-26.0	-25.0	-26.0	
Receiver Check								
Summary		GOOD	GOOD	GOOD	GOOD	GOOD	GOOD	
Rx Integrity 1000		100	100	100	100	100	100	
Total Test Time:	511	Sec						
Test Time/Port:	85.2	Sec						