

Ethernet Test Report

Overall Result: FAIL

Test Configuration Details	
Device Description	
ReturnLossTest	Use Vector Network Analyzer
DisturberSource	Use Agilent 33250A
Test Session Details	
Infiniium SW Version	05.50.0006
Infiniium Model Number	MSO9404A
Infiniium Serial Number	MY53310122
Application SW Version	2.43
Debug Mode Used	No
Probe (Channel 1)	Model: 10:1 1M Ohm Probe Serial: No Serial Num Atten: Calibrated (13 SEP 2017 21:39:12), Using Cal Atten (1.0125E+001) Skew: Not Calibrated, Using Default Skew
Probe (Channel 2)	Model: 1132A Serial: US53300221 Head: E2678A/B Atten: Calibrated (7 NOV 2017 09:51:01), Using Cal Atten (1.0050E+001) Skew: Calibrated (7 NOV 2017 09:51:11), Using Cal Skew
Probe (Channel 3)	Model: 10:1 1M Ohm Probe Serial: No Serial Num Atten: Calibrated (4 SEP 2017 22:40:13), Using Cal Atten (1.0035E+001) Skew: Not Calibrated, Using Default Skew
Probe (Channel 4)	Model: 10:1 1M Ohm Probe Serial: No Serial Num Atten: Calibrated (18 MAY 2017 19:45:12), Using Cal Atten (1.0064E+001) Skew: Not Calibrated, Using Default Skew
Last Test Date	2017-11-07 09:52:39 UTC +08:00

Summary of Results

Test Statistics	
Failed	1
Passed	0
Total	1

Margin Thresholds	
Warning	< 2 %
Critical	< 0 %

Pass	# Failed	# Trials	Test Name	Actual Value	Margin	Pass Limits
	1	1	1000 Base-T, Transmitter Distortion(w/o Disturbing Signal)	13.17 mV	-31.7 %	VALUE <= 10.00 mV

Next



1000 Base-T, Transmitter Distortion(w/o Disturbing Signal)

Reference: IEEE802.3-2008 Subclause 40.6.1.2.4

Test Summary: **FAIL**

Test Description: The peak distortion must be less than 10mV.

Pass Limits: ≤ 10.00 mV

Peak Distortion	13.17 mV
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Result Details

1000Base-T TM4 Transmitter Distortion (See image)

SNR	N/A
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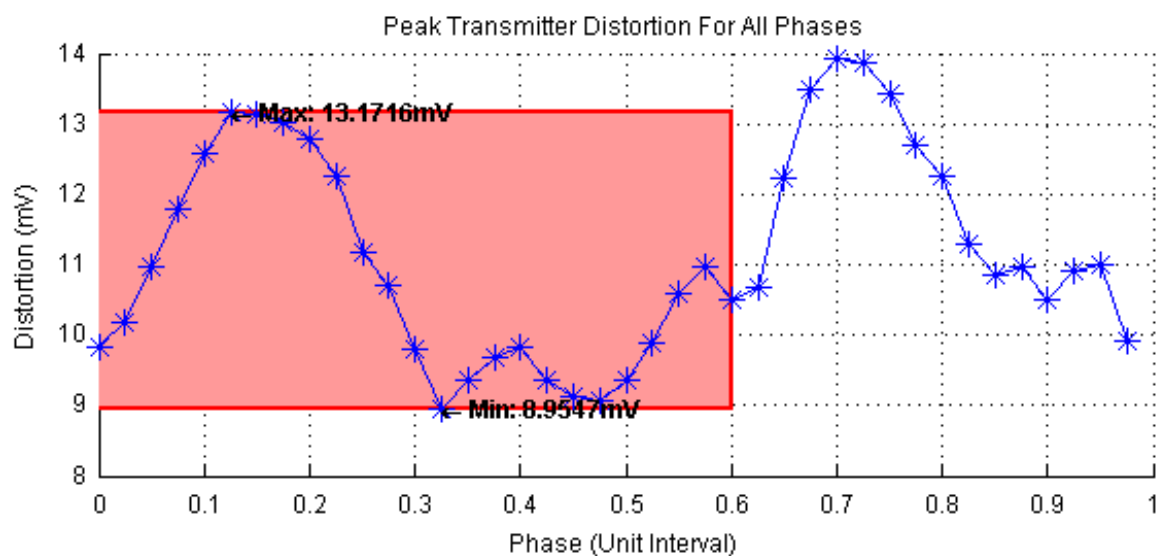
Test Pair	BI	DA
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#Avg	100
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Trial 1

Trial 1: 1000Base-T TM4 Transmitter Distortion

—*— Peak Transmitter Distortion For All Phases



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