



**TELEDYNE
LECROY**





































USB3 Test Report






Overall result: Pass

DUT:	MLB12009M1
Comment:	
Time of session start:	10/08/2015 13:54:05
Operator:	Toyoda
Temperature	28° C
Standard in use:	USB3
Run1:	
Time of run:	2015/10/08 13:54:09
Configuration in use:	Device Scope PeRT3 (RX Tests)
Limits in use:	ComplianceLimits
Oscilloscope Name:	LCRY0436N68087 Model: SDA813ZI-A
Oscilloscope Serial #:	LCRY0436N68087
Computer:	LCRY0436N68087
Oscilloscope firmware version:	7.8.1.1 (Build 211283)
QualiPHY core version:	7.8.0.1 (Build 210125)
QualiPHY script version:	7.7.1.3b
Stylesheet version:	1.2.0.6

Summary Table


[\[Hide Table\]](#)

Pass	Run #	Test	Measurement	Current Value	Test Criteria
	1	RxCal	PeRT3 de-emphasis calibrated	-3.10 dB	Informational Only
	1	RxCal	PeRT3 de-emphasis setting	-2.80 dB	Informational Only
	1	RXCal	PeRT3 Ri calibrated	2.3132 ps	Informational Only
	1	RXCal	PeRT3 Ri setting	3.7 ps	Informational Only
	1	RXCal	PeRT3 Tj baseline	53.8357 ps	Informational Only
	1	RXCal	PeRT3 Si 50MHz calibrated	39.1353 ps	Informational Only
	1	RXCal	PeRT3 Si 50MHz Setting	42 ps	Informational Only
	1	RXCal	PeRT3 Si 33MHz calibrated	38.4257 ps	Informational Only
	1	RXCal	PeRT3 Si 33MHz Setting	42 ps	Informational Only
	1	RXCal	PeRT3 Si 20MHz calibrated	39.2811 ps	Informational Only
	1	RXCal	PeRT3 Si 20MHz Setting	44 ps	Informational Only
	1	RXCal	PeRT3 Si 10MHz calibrated	39.5141 ps	Informational Only
	1	RXCal	PeRT3 Si 10MHz Setting	42 ps	Informational Only
	1	RXCal	PeRT3 Si 4.9MHz calibrated	39.4365 ps	Informational Only
	1	RXCal	PeRT3 Si 4.9MHz Setting	44 ps	Informational Only
	1	RXCal	PeRT3 Si 2MHz calibrated	99.2643 ps	Informational Only
	1	RXCal	PeRT3 Si 2MHz Setting	101 ps	Informational Only
	1	RXCal	PeRT3 Si 1MHz calibrated	197.7927 ps	Informational Only
	1	RXCal	PeRT3 Si 1MHz Setting	198 ps	Informational Only
	1	RXCal	PeRT3 Si 500kHz calibrated	388.3445 ps	Informational Only
	1	RXCal	PeRT3 Si 500kHz Setting	394 ps	Informational Only
	1	RXCal	PeRT3 Eye Height calibrated	146.160 mV	Informational Only
	1	RXCal	PeRT3 Amplitude Setting	1045.000 mV	Informational Only
	1	2.2	Total Bits 50MHz	30.349553360 GBits	Informational Only
	1	2.2	Total Errors 50MHz	0 Bits	x <= 1 0its
	1	2.2	Total Bits 33MHz	30.310283400 GBits	Informational Only
	1	2.2	Total Errors 33MHz	0 Bits	x <= 1 0its
	1	2.2	Total Bits 20MHz	30.350051440 GBits	Informational Only
	1	2.2	Total Errors 20MHz	0 Bits	x <= 1 0its
	1	2.2	Total Bits 10MHz	30.338120080 GBits	Informational Only
	1	2.2	Total Errors 10MHz	0 Bits	x <= 1 0its
	1	2.2	Total Bits 4.9MHz	30.532974680 GBits	Informational Only
	1	2.2	Total Errors 4.9MHz	0 Bits	x <= 1 0its
	1	2.2	Total Bits 2MHz	30.350048360 GBits	Informational Only
	1	2.2	Total Errors 2MHz	0 Bits	x <= 1 0its


Pass	Run #	Test	Measurement	Current Value	Test Criteria
					
	1	2.2	Total Bits 1MHz	30.520548880 GBits	Informational Only
	1	2.2	Total Errors 1MHz	0 Bits	x <= 1 0its
	1	2.2	Total Bits 500kHz	30.640342200 GBits	Informational Only
	1	2.2	Total Errors 500kHz	0 Bits	x <= 1 0its

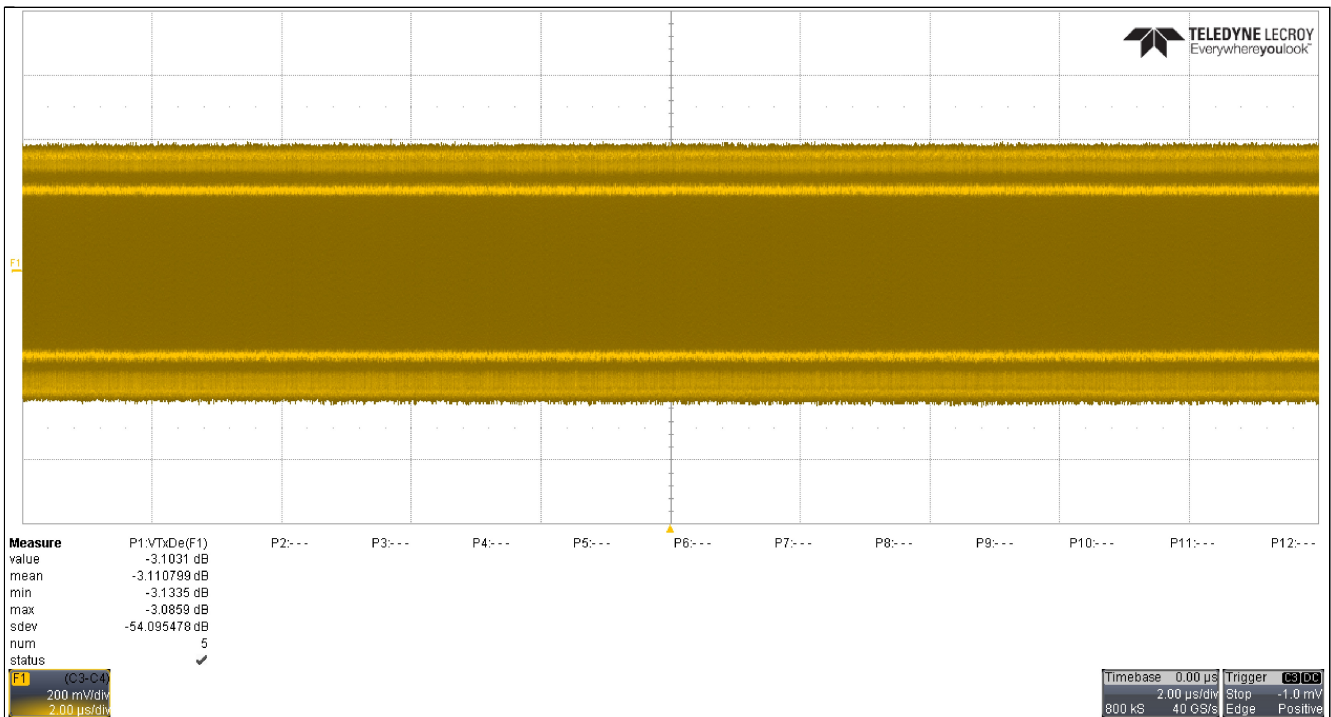
Details

[\[Up \]](#)

	Measurement:	PeRT3 de-emphasis calibrated
	Limit Name:	InfoOnlydB
	Current Value:	-3.10 dB
	Test Criteria:	Informational Only
	Timestamp:	10/08/2015 13:54:46
	Run Number	1

[\[Up \]](#)


	Measurement:	PeRT3 de-emphasis setting
	Limit Name:	InfoOnlydB
	Current Value:	-2.80 dB
	Test Criteria:	Informational Only
	Timestamp:	10/08/2015 13:54:46
	Run Number	1




Receiver Test Calibration: De-emphasis

Timestamp: 10/08/2015 13:54:46


[\[Up \]](#)

	Measurement:	PeRT3 Rj calibrated
	Limit Name:	InfoOnlyS
	Current Value:	2.3132 ps
	Test Criteria:	Informational Only
	Timestamp:	10/08/2015 13:57:32
	Run Number	1


[\[Up \]](#)

	Measurement:	PeRT3 Rj setting
	Limit Name:	InfoOnlyS
	Current Value:	3.7 ps
	Test Criteria:	Informational Only
	Timestamp:	10/08/2015 13:57:32
	Run Number	1


[\[Up \]](#)

	Measurement:	PeRT3 Tj baseline
	Limit Name:	InfoOnlyS
	Current Value:	53.8357 ps
	Test Criteria:	Informational Only
	Timestamp:	10/08/2015 13:58:06
	Run Number	1


[\[Up \]](#)

	Measurement:	PeRT3 Sj 50MHz calibrated
	Limit Name:	InfoOnlyS
	Current Value:	39.1353 ps
	Test Criteria:	Informational Only
	Timestamp:	10/08/2015 13:59:05
	Run Number	1


[\[Up \]](#)

	Measurement:	PeRT3 Sj 50MHz Setting
	Limit Name:	InfoOnlyS
	Current Value:	42 ps
	Test Criteria:	Informational Only
	Timestamp:	10/08/2015 13:59:05
	Run Number	1

[\[Up \]](#)


	Measurement:	PeRT3 Sj 33MHz calibrated
	Limit Name:	InfoOnlyS
	Current Value:	38.4257 ps
	Test Criteria:	Informational Only
	Timestamp:	10/08/2015 14:00:11
	Run Number	1

[\[Up \]](#)


	Measurement:	PeRT3 Sj 33MHz Setting
	Limit Name:	InfoOnlyS
	Current Value:	42 ps
	Test Criteria:	Informational Only
	Timestamp:	10/08/2015 14:00:11
	Run Number	1

Run Number	1
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[\[Up \]](#)

	Measurement:	PeRT3 Sj 20MHz calibrated
	Limit Name:	InfoOnlyS
	Current Value:	39.2811 ps
	Test Criteria:	Informational Only
	Timestamp:	10/08/2015 14:00:30
	Run Number	1


[\[Up \]](#)

	Measurement:	PeRT3 Sj 20MHz Setting
	Limit Name:	InfoOnlyS
	Current Value:	44 ps
	Test Criteria:	Informational Only
	Timestamp:	10/08/2015 14:00:30
	Run Number	1


[\[Up \]](#)

	Measurement:	PeRT3 Sj 10MHz calibrated
	Limit Name:	InfoOnlyS
	Current Value:	39.5141 ps
	Test Criteria:	Informational Only
	Timestamp:	10/08/2015 14:01:35
	Run Number	1


[\[Up \]](#)

	Measurement:	PeRT3 Sj 10MHz Setting
	Limit Name:	InfoOnlyS
	Current Value:	42 ps
	Test Criteria:	Informational Only
	Timestamp:	10/08/2015 14:01:35
	Run Number	1


[\[Up \]](#)

	Measurement:	PeRT3 Sj 4.9MHz calibrated
	Limit Name:	InfoOnlyS
	Current Value:	39.4365 ps
	Test Criteria:	Informational Only
	Timestamp:	10/08/2015 14:01:57
	Run Number	1

[\[Up \]](#)


	Measurement:	PeRT3 Sj 4.9MHz Setting
	Limit Name:	InfoOnlyS
	Current Value:	44 ps
	Test Criteria:	Informational Only
	Timestamp:	10/08/2015 14:01:57
	Run Number	1

[\[Up \]](#)


	Measurement:	PeRT3 Sj 2MHz calibrated
	Limit Name:	InfoOnlyS
	Current Value:	99.2643 ps
	Test Criteria:	Informational Only

Timestamp:	10/08/2015 14:02:19
Run Number	1


[\[Up \]](#)

	Measurement:	PeRT3 Sj 2MHz Setting
	Limit Name:	InfoOnlyS
	Current Value:	101 ps
	Test Criteria:	Informational Only
	Timestamp:	10/08/2015 14:02:19
	Run Number	1


[\[Up \]](#)

	Measurement:	PeRT3 Sj 1MHz calibrated
	Limit Name:	InfoOnlyS
	Current Value:	197.7927 ps
	Test Criteria:	Informational Only
	Timestamp:	10/08/2015 14:03:01
	Run Number	1


[\[Up \]](#)

	Measurement:	PeRT3 Sj 1MHz Setting
	Limit Name:	InfoOnlyS
	Current Value:	198 ps
	Test Criteria:	Informational Only
	Timestamp:	10/08/2015 14:03:01
	Run Number	1


[\[Up \]](#)

	Measurement:	PeRT3 Sj 500kHz calibrated
	Limit Name:	InfoOnlyS
	Current Value:	388.3445 ps
	Test Criteria:	Informational Only
	Timestamp:	10/08/2015 14:03:25
	Run Number	1


[\[Up \]](#)

	Measurement:	PeRT3 Sj 500kHz Setting
	Limit Name:	InfoOnlyS
	Current Value:	394 ps
	Test Criteria:	Informational Only
	Timestamp:	10/08/2015 14:03:25
	Run Number	1

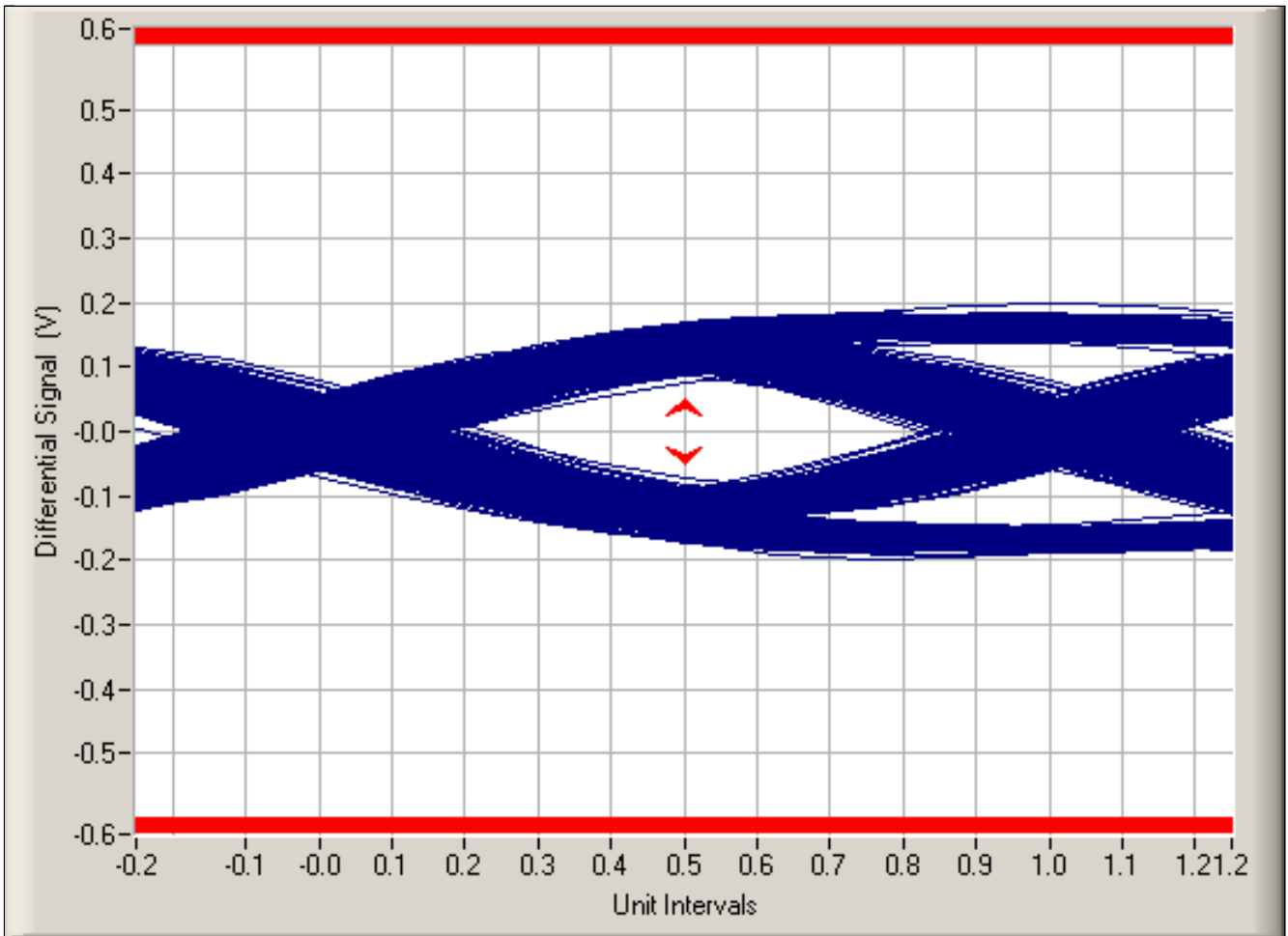
[\[Up \]](#)

	Measurement:	PeRT3 Eye Height calibrated
	Limit Name:	InfoOnlyS
	Current Value:	146.160 mV
	Test Criteria:	Informational Only
	Timestamp:	10/08/2015 14:07:17
	Run Number	1

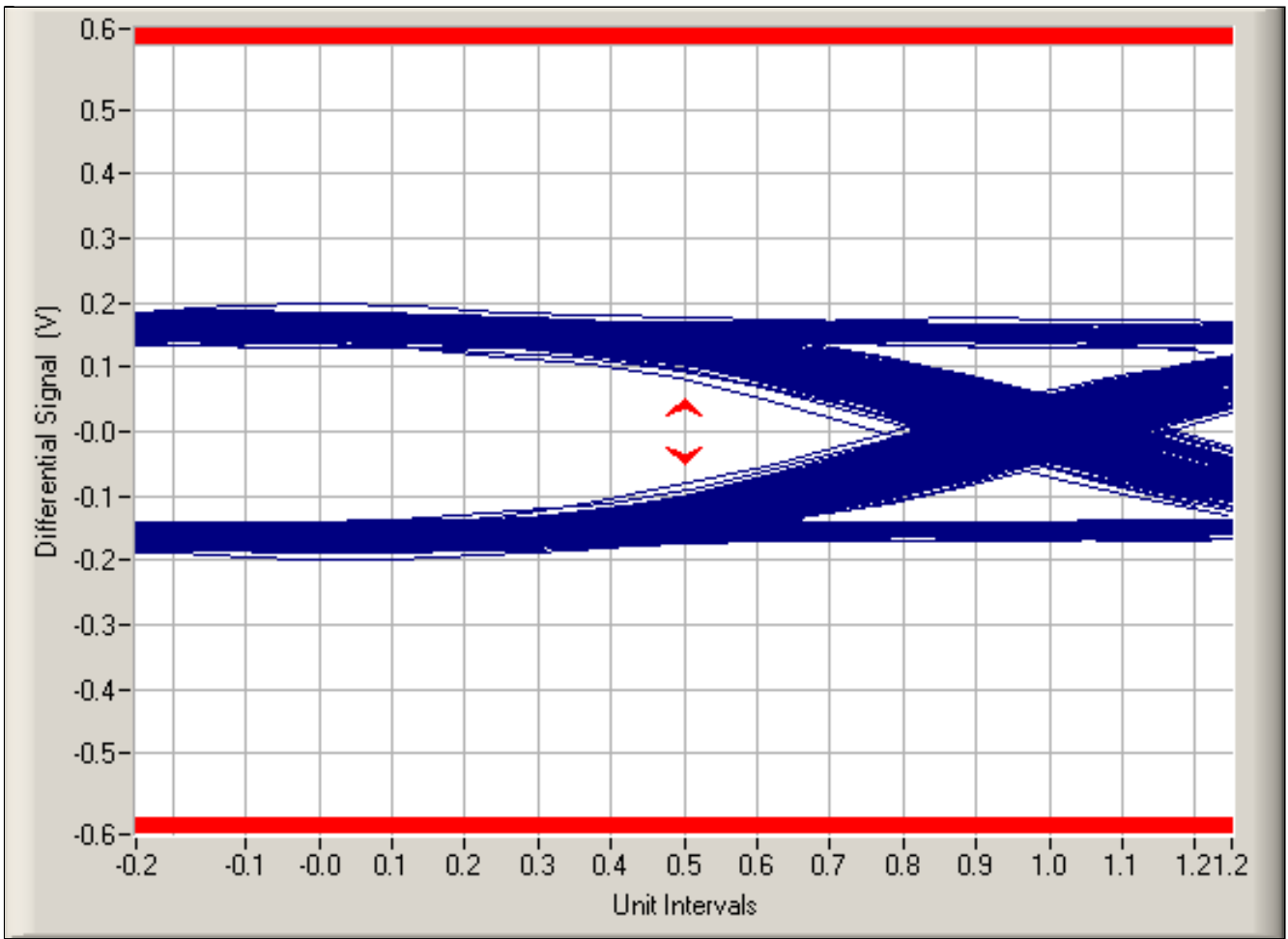
[\[Up \]](#)

	Measurement:	PeRT3 Amplitude Setting
	Limit Name:	InfoOnlyS
	Current Value:	1045.000 mV

Test Criteria:	Informational Only
Timestamp:	10/08/2015 14:07:17
Run Number	1




RX Calibration Transition Eye
Timestamp: 10/08/2015 14:07:21




RX Calibration Non-Transition Eye

Timestamp: 10/08/2015 14:07:22


SIGTEST Report[click here to view](#)[\[Up \]](#)

	Measurement:	Total Bits 50MHz
	Limit Name:	InfoOnlyBits
	Current Value:	30.349553360 GBits
	Test Criteria:	Informational Only
	Timestamp:	10/08/2015 14:11:25
	Run Number	1


[\[Up \]](#)

 Pass	Measurement:	Total Errors 50MHz
	Limit Name:	MaxErrors
	Current Value:	0 Bits
	Test Criteria:	x <= 1 0its
	Timestamp:	10/08/2015 14:11:25
	Run Number	1


[\[Up \]](#)

	Measurement:	Total Bits 33MHz
	Limit Name:	InfoOnlyBits
	Current Value:	30.310283400 GBits
	Test Criteria:	Informational Only
	Timestamp:	10/08/2015 14:11:38
	Run Number	1


[\[Up \]](#)

 Pass	Measurement:	Total Errors 33MHz
	Limit Name:	MaxErrors
	Current Value:	0 Bits
	Test Criteria:	x <= 1 0its
	Timestamp:	10/08/2015 14:11:38
	Run Number	1


[\[Up \]](#)

	Measurement:	Total Bits 20MHz
	Limit Name:	InfoOnlyBits
	Current Value:	30.350051440 GBits
	Test Criteria:	Informational Only
	Timestamp:	10/08/2015 14:11:50
	Run Number	1

[\[Up \]](#)


 Pass	Measurement:	Total Errors 20MHz
	Limit Name:	MaxErrors
	Current Value:	0 Bits
	Test Criteria:	x <= 1 0its
	Timestamp:	10/08/2015 14:11:50
	Run Number	1

[\[Up \]](#)


	Measurement:	Total Bits 10MHz
	Limit Name:	InfoOnlyBits

	Current Value:	30.338120080 GBits
	Test Criteria:	Informational Only
	Timestamp:	10/08/2015 14:12:02
	Run Number	1


[\[Up \]](#)

 Pass	Measurement:	Total Errors 10MHz
	Limit Name:	MaxErrors
	Current Value:	0 Bits
	Test Criteria:	x <= 1 0its
	Timestamp:	10/08/2015 14:12:02
	Run Number	1


[\[Up \]](#)

	Measurement:	Total Bits 4.9MHz
	Limit Name:	InfoOnlyBits
	Current Value:	30.532974680 GBits
	Test Criteria:	Informational Only
	Timestamp:	10/08/2015 14:12:15
	Run Number	1


[\[Up \]](#)

 Pass	Measurement:	Total Errors 4.9MHz
	Limit Name:	MaxErrors
	Current Value:	0 Bits
	Test Criteria:	x <= 1 0its
	Timestamp:	10/08/2015 14:12:15
	Run Number	1


[\[Up \]](#)

	Measurement:	Total Bits 2MHz
	Limit Name:	InfoOnlyBits
	Current Value:	30.350048360 GBits
	Test Criteria:	Informational Only
	Timestamp:	10/08/2015 14:12:27
	Run Number	1

[\[Up \]](#)


 Pass	Measurement:	Total Errors 2MHz
	Limit Name:	MaxErrors
	Current Value:	0 Bits
	Test Criteria:	x <= 1 0its
	Timestamp:	10/08/2015 14:12:27
	Run Number	1

[\[Up \]](#)


	Measurement:	Total Bits 1MHz
	Limit Name:	InfoOnlyBits
	Current Value:	30.520548880 GBits
	Test Criteria:	Informational Only
	Timestamp:	10/08/2015 14:12:40
	Run Number	1

[\[Up \]](#)


	Measurement:	Total Errors 1MHz
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 Pass	Limit Name:	MaxErrors
	Current Value:	0 Bits
	Test Criteria:	x <= 1 0its
	Timestamp:	10/08/2015 14:12:40
	Run Number	1

[\[Up \]](#)

	Measurement:	Total Bits 500kHz
	Limit Name:	InfoOnlyBits
	Current Value:	30.640342200 GBits
	Test Criteria:	Informational Only
	Timestamp:	10/08/2015 14:12:52
	Run Number	1

[\[Up \]](#)

 Pass	Measurement:	Total Errors 500kHz
	Limit Name:	MaxErrors
	Current Value:	0 Bits
	Test Criteria:	x <= 1 0its
	Timestamp:	10/08/2015 14:12:52
	Run Number	1

--- End of report ---