



TekExpress USB2 Report

Report for Device

Setup Information			
DUT ID	DUT001	Suite	Device
Date/Time	2023-12-29 11:49:02	TekExpress USB2	10.2.0.15
Acquisition Mode	Live	FrameWork Version	4.1.0.28
Test Point	Near End	Scope Model	DPO5204B
Probing	Single Ended & Differential	Scope Firmware	10.5.1 Build 24
Over All Test Result	Fail		
Total Execution Time	25 Seconds		
DUT COMMENT:	General Comment - USB2-Device		

Test Name Summary Table	
Eye Diagram	Fail
EOP Width	Pass
Signal Rate	Pass
Edge Monotonicity	Pass
Rising Edge Rate	Pass
Falling Edge Rate	Pass
Rise Time	Pass
Fall Time	Pass

Eye Diagram							
Measurement Details	Speed	Measured Value	Test Result	Margin	Low Limit	High Limit	Comments
Mask Hits	High Speed	1210.000	Fail	1210.000 & -1210.000	0.000	0.000	N.A
ERROR MESSAGE	N.A						

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EOP Width							
Measurement Details	Speed	Measured Value	Test Result	Margin	Low Limit	High Limit	Comments
EOP Width	High Speed	7.9 bits	Pass	0.350 bits & 0.650 bits	7.500 bits	8.500 bits	Measured Value = 16.35 ns
ERROR MESSAGE	N.A						

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Signal Rate							
Measurement Details	Speed	Measured Value	Test Result	Margin	Low Limit	High Limit	Comments
Signal Rate	High Speed	480.057 Mbps	Pass	0.297 Mbps & 0.183 Mbps	479.760 Mbps	480.240 Mbps	N.A
ERROR MESSAGE	N.A						

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Edge Monotonicity							
Measurement Details	Speed	Measured Value	Test Result	Margin	Low Limit	High Limit	Comments
Edge Monotonicity	High Speed	20.000 mV	Pass	30.000 mV	N.A	50.000 mV	N.A
ERROR MESSAGE	N.A						

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Rising Edge Rate							
Measurement Details	Speed	Measured Value	Test Result	Margin	Low Limit	High Limit	Comments
Rising Edge Rate	High Speed	499.720 V/us	Pass	1633.280 V/us	N.A	2133.000 V/us	N.A
ERROR MESSAGE	N.A						

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Falling Edge Rate							
Measurement Details	Speed	Measured Value	Test Result	Margin	Low Limit	High Limit	Comments
Falling Edge Rate	High Speed	529.510 V/us	Pass	1603.490 V/us	N.A	2133.000 V/us	N.A
ERROR MESSAGE	N.A						

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Rise Time							
Measurement Details	Speed	Measured Value	Test Result	Margin	Low Limit	High Limit	Comments
Rise Time	High Speed	1280.710 ps	Pass	980.710 ps	300.000 ps	N.A	N.A
ERROR MESSAGE	N.A						

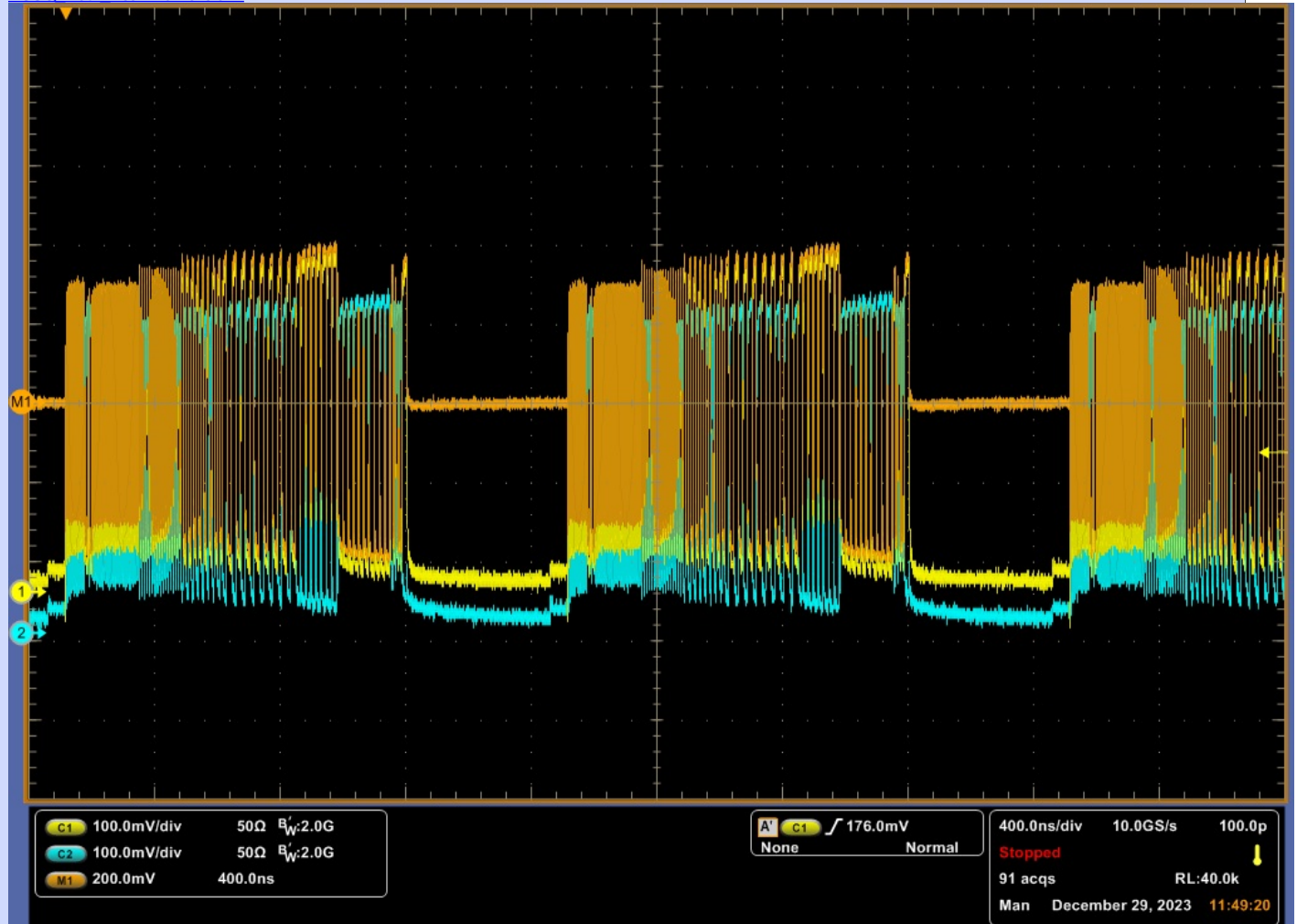
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Fall Time							
Measurement Details	Speed	Measured Value	Test Result	Margin	Low Limit	High Limit	Comments
Fall Time	High Speed	1208.670 ps	Pass	908.670 ps	300.000 ps	N.A	N.A
ERROR MESSAGE	N.A						

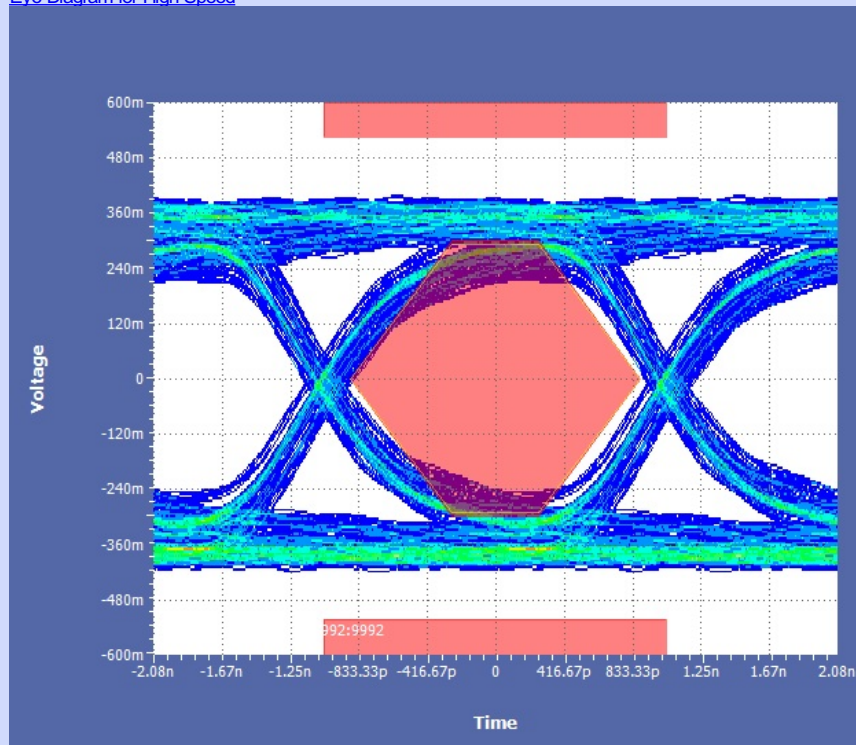
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Falling Edge Rate

HSSQ Math NearEnd waveform



Eye Diagram for High Speed



Waveform Plot for High Speed

