



TekExpress USB2 Report

Report for Device

Setup Information			
DUT ID	DUT001	Suite	Device
Date/Time	2023-12-29 11:25:22	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	57 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	899.000	Fail	899.000 & -899.000	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	480.010 Mbps	Pass	0.250 Mbps & 0.230 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	8.000 mV	Pass	42.000 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	531.050 V/us	Pass	1601.950 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	614.330 V/us	Pass	1518.670 V/us	N.A	2133.000 V/us	N.A
ERROR MESSAGE	N.A						

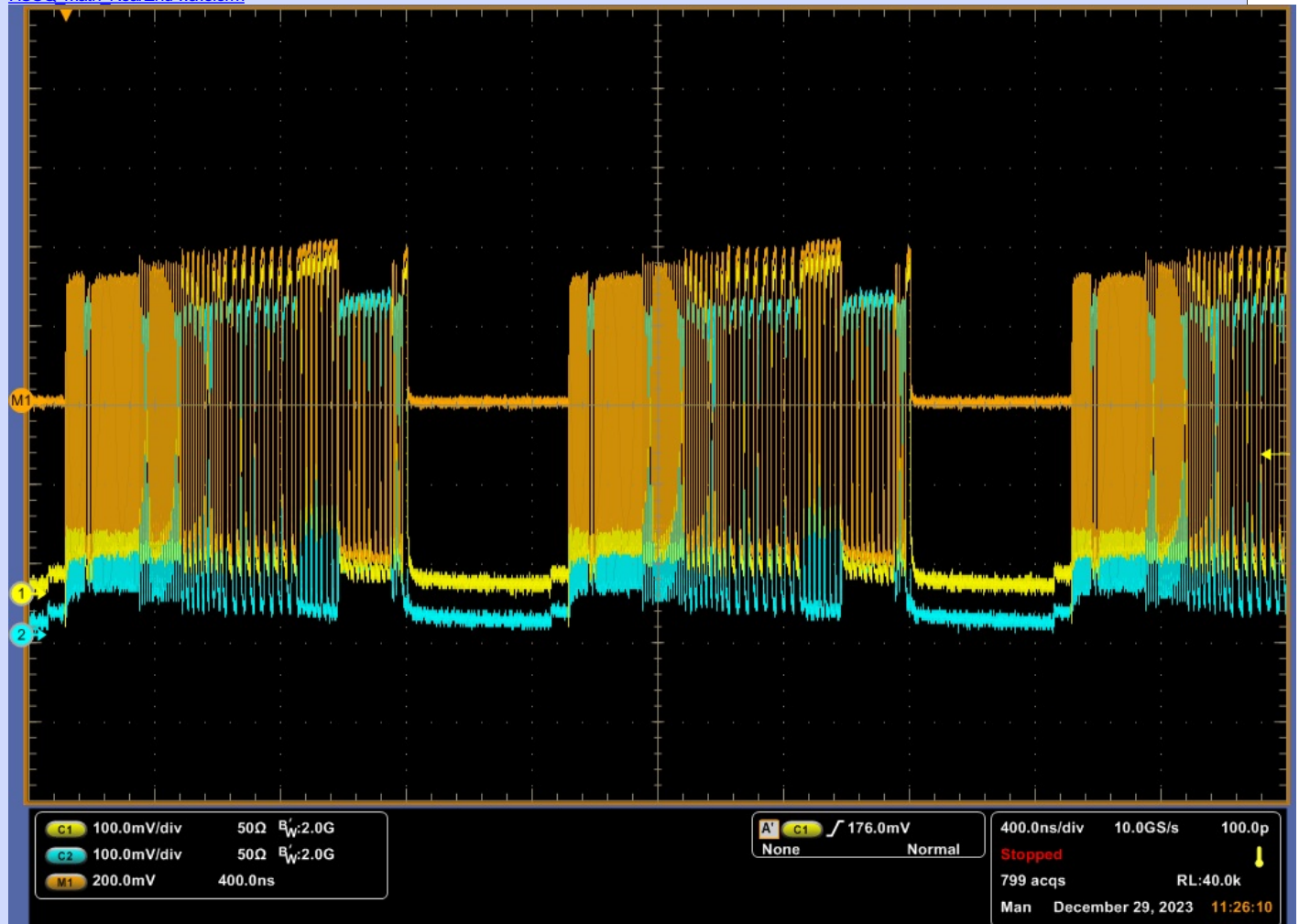
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Rise Time							
Measurement Details	Speed	Measured Value	Test Result	Margin	Low Limit	High Limit	Comments
Rise Time	High Speed	1205.150 ps	Pass	905.150 ps	300.000 ps	N.A	N.A
ERROR MESSAGE	N.A						

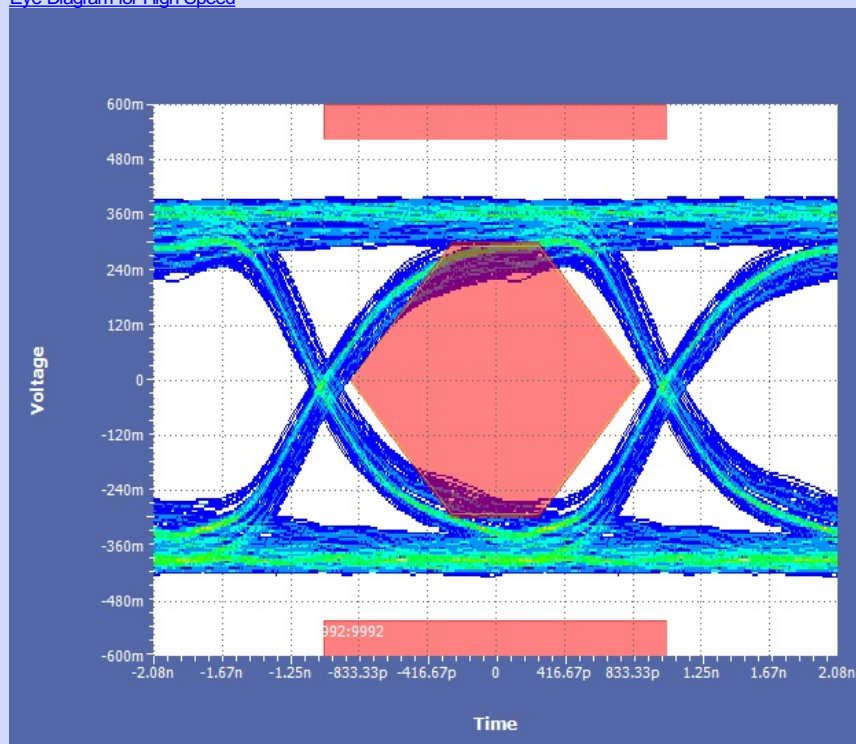
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Fall Time							
Measurement Details	Speed	Measured Value	Test Result	Margin	Low Limit	High Limit	Comments
Fall Time	High Speed	1041.790 ps	Pass	741.790 ps	300.000 ps	N.A	N.A
ERROR MESSAGE	N.A						

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Eye Diagram for High Speed



Waveform Plot for High Speed

