

Test Report

Overall Result: PASS

Test Configuration Details	
Application	
Name	D9021HDMC HDMI Test
Version	2.36.2.0
Device Description	
HDMITestType	TMDS Physical Layer
FixtureType	Wilder HDMI2 TPA-P 12 inch
Probe Head Type	N5444A/N28XXA
Probe Connection Choice	4 Probes
Lane Connection	1 Data Lane
DeviceID	Transmitter
Device Name	Device1
Comments	User comments
Test Session Details	
Infiniium SW Version	06.74.00701
Infiniium Model Number	DSOX93204A
Infiniium Serial Number	MY51270003
Debug Mode Used	No
Probe (Channel 1)	Model: N2802A Serial: US54094800 Head: N5444A Atten: Calibrated (6 JAN 2025 20:09:22), Using Cal Atten (5.8272E+00) Skew: Calibrated (6 JAN 2025 20:09:32), Using Cal Skew
Probe (Channel 2)	Model: N2802A Serial: US54095134 Head: N5444A Atten: Calibrated (6 JAN 2025 20:10:31), Using Cal Atten (5.6528E+00) Skew: Calibrated (6 JAN 2025 20:10:41), Using Cal Skew
Probe (Channel 3)	Model: N2802A Serial: US54095193 Head: N5444A Atten: Calibrated (6 JAN 2025 20:11:41), Using Cal Atten (5.8611E+00) Skew: Calibrated (6 JAN 2025 20:11:51), Using Cal Skew
Probe (Channel 4)	Model: N7003A Serial: US57312057 Head: N5444A Atten: Calibrated (6 JAN 2025 20:13:32), Using Cal Atten (1.0057E+01) Skew: Calibrated (6 JAN 2025 20:16:17), Using Cal Skew

Last Test Date	2025-01-07 04:16:47 UTC -08:00
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Summary of Results

Test Statistics	
Failed	0
Passed	2
Total	2

Margin Thresholds	
Warning	< 5 %
Critical	< 0 %

Pass	# Failed	# Trials	Test Name	Actual Value	Margin	Pass Limits
✓	0	1	HF1-1: VL D0+	2.573 V	45.5 %	2.300 V <= VALUE <= 2.900 V
✓	0	1	HF1-1: D0+ VSwing	414 mV	7.0 %	400 mV <= VALUE <= 600 mV

Report Detail

Next

✓ HF1-1: VL D0+	Reference: Test ID HF1-1
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Test Summary: Pass	Test Description: Confirm that the DC voltage levels on the HDMI link are within the specified limits for each TMDS signal.
Pass Limits: [2.300 V to 2.900 V]	HF1-1 VL D0+ 2.573 V

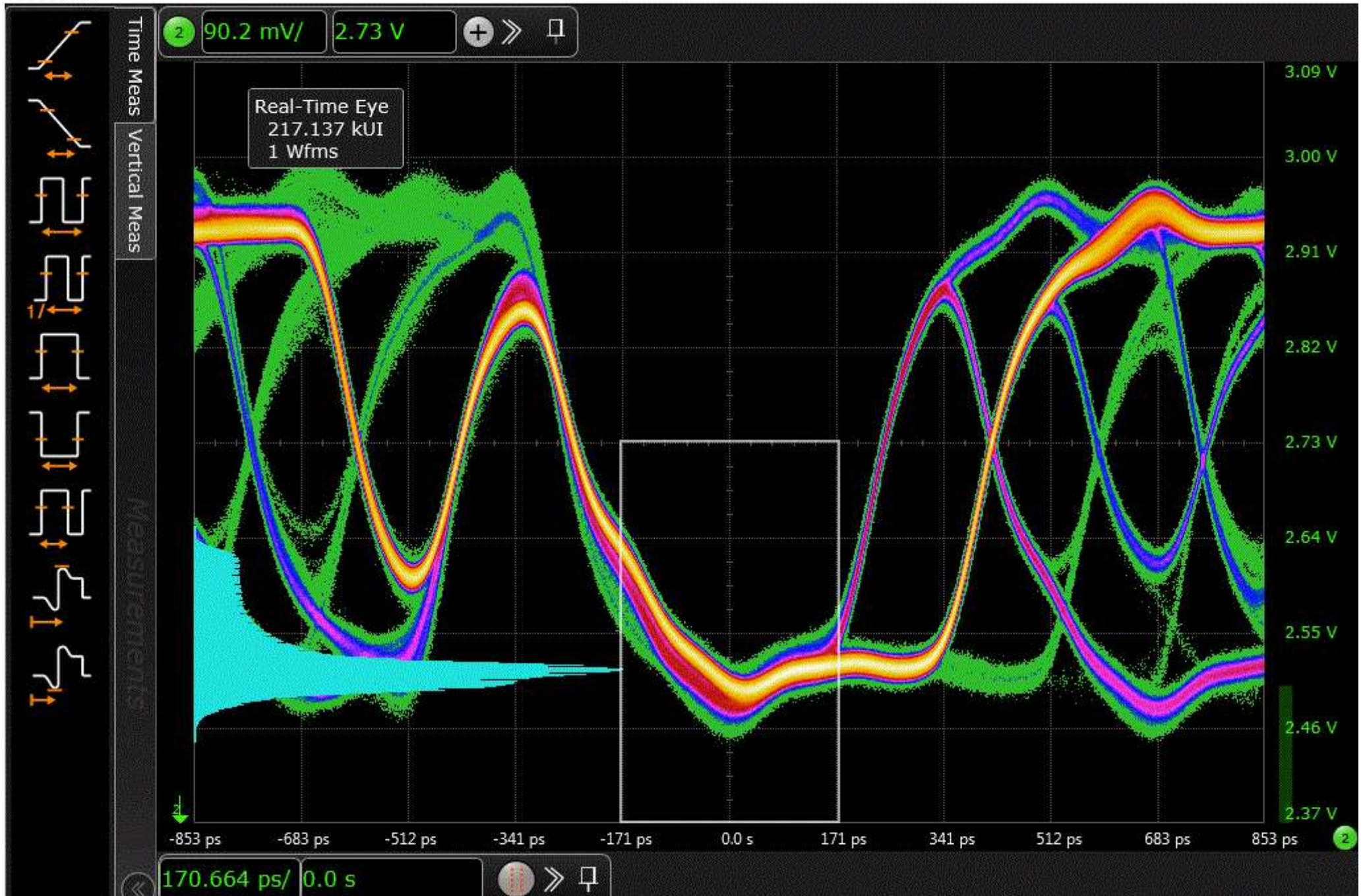
Result Details

HDMIAutomationConfig	Timing 102	Test Frequency(MHz)	146.487 MHz	# Edges,VL	217.137 k	# Edges,VH	201.944 k	VH	2.988 V	VL D0+	(See image)	VH D0+	(See image)
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Trial 1

Trial 1: VL D0+

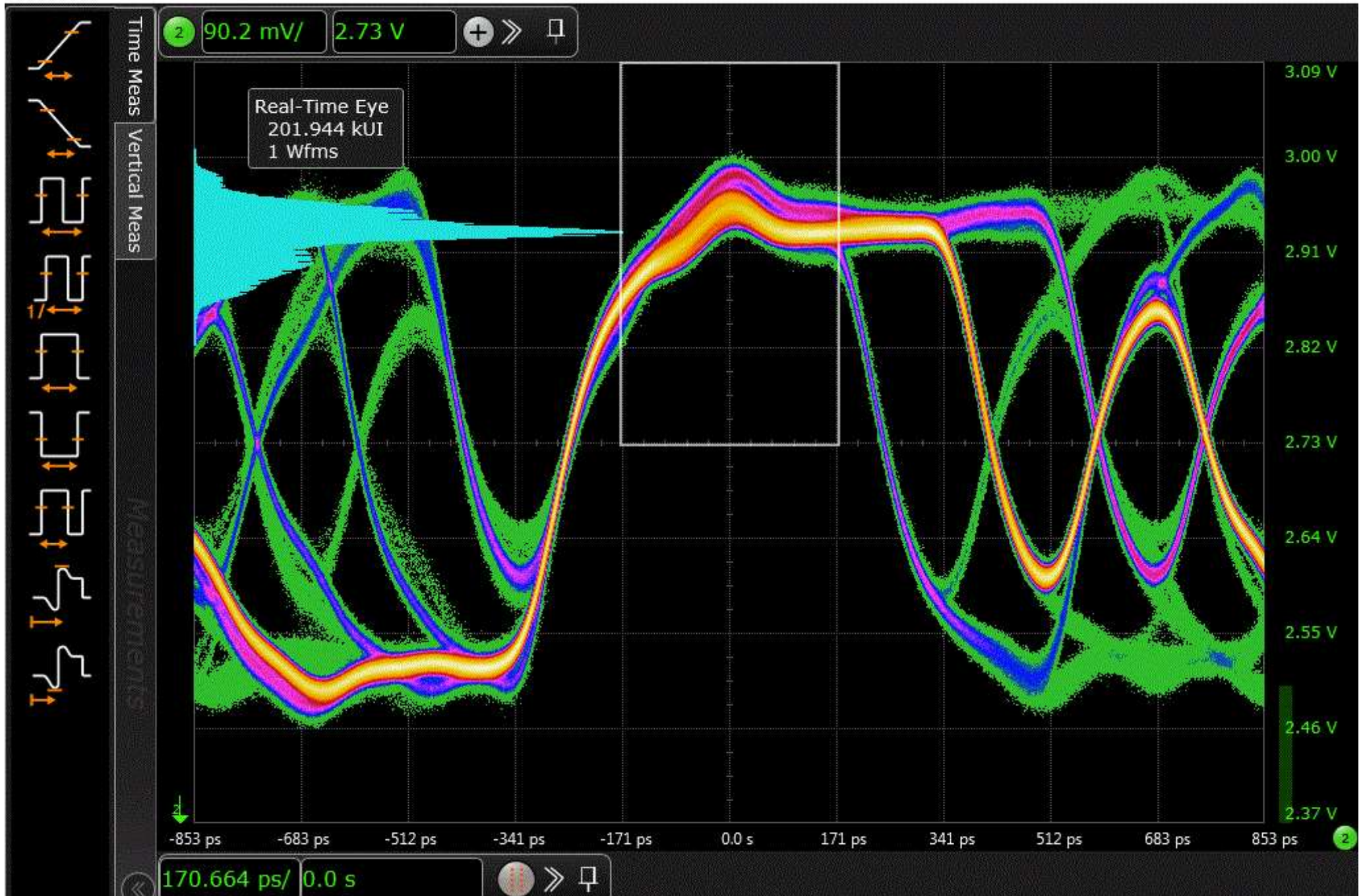
Keysight Infiniium : Tuesday, January 07, 2025 4:16:35 AM





Trial 1: VH D0+

Keysight Infiniium : Tuesday, January 07, 2025 4:16:47 AM





Next

✓HF1-1: D0+ VSwing

Reference: Test ID HF1-1

Test Summary:	Pass	Test Description:	Confirm that the DC voltage levels on the HDMI link are within the specified limits for each TMDS signal.		
Pass Limits:	[400 mV to 600 mV]	HF1-1 D0+ VSwing	414 mV		

Result Details

HDMIAutomationConfig	Timing 102
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