

Test Report

Pass

Test Configuration Details	
Application	
Name	D9010ETHC Ethernet
Version	2.62.0.0
Device Description	
Tests10BT	Yes
Tests100BT	No
Tests1000BT	No
Tests10BT_EEE	No
Tests100BT_EEE	No
Tests1000BT_EEE	No
DisturberSource	Use Keysight 33250A
ReturnLossTest	Use Vector Network Analyzer
Test Session Details	
Infiniium SW Version	06.40.01001
Infiniium Model Number	DSOS204A
Infiniium Serial Number	MY55510174
Debug Mode Used	No
Compliance Limits	IEEE Std. 802.3 Specification (official)
Probe (Channel 1)	Model: 1131A Serial: US55011277 Head: E2678A/B Atten: Calibrated (17 MAR 2023 16:40:03), Using Cal Atten (9.9521E+00) Skew: Not Calibrated, Using Default Skew
Probe (Channel 2)	Model: User Defined Probe Serial: No Serial Num Atten: Not Calibrated, Using Default Atten (1.0000E+00) Skew: Not Calibrated, Using Default Skew
Probe (Channel 3)	Model: User Defined Probe Serial: No Serial Num Atten: Not Calibrated, Using Default Atten (1.0000E+00) Skew: Not Calibrated, Using Default Skew
Probe (Channel 4)	Model: User Defined Probe Serial: No Serial Num Atten: Not Calibrated, Using Default Atten (1.0000E+00) Skew: Not Calibrated, Using Default Skew
Last Test Date	2023-06-26 16:18:17 UTC +09:00

Summary of Results

Test Statistics		Margin Thresholds	
Failed	0	Warning	< 2 %
Passed	2	Critical	< 0 %
Total	2		

Pass	# Failed	# Trials	Test Name (click to jump)	Actual Value	Margin	Pass Limits
✓	0	3	10 Base-T, Link Test Pulse, with TPM	0.000	100.0	No Mask Failures
✓	0	3	10 Base-T, Link Test Pulse, without TPM	0.000	100.0	No Mask Failures

Report Detail

Summary

Next

✓	10 Base-T, Link Test Pulse, with TPM	IEEE Std. 802.3 (IEEE802.3az Subclause 14.3.1.2.1, Figure 14-12)
The link test pulse shall be a single positive pulse which falls within the shaded area of Figure 14-12 Actual Value Measurement Name: Mask Failures (10 Base-T, Link Test Pulse, with TPM) Pass Limits: No Mask Failures		

Statistics & Details for all 3 Trials

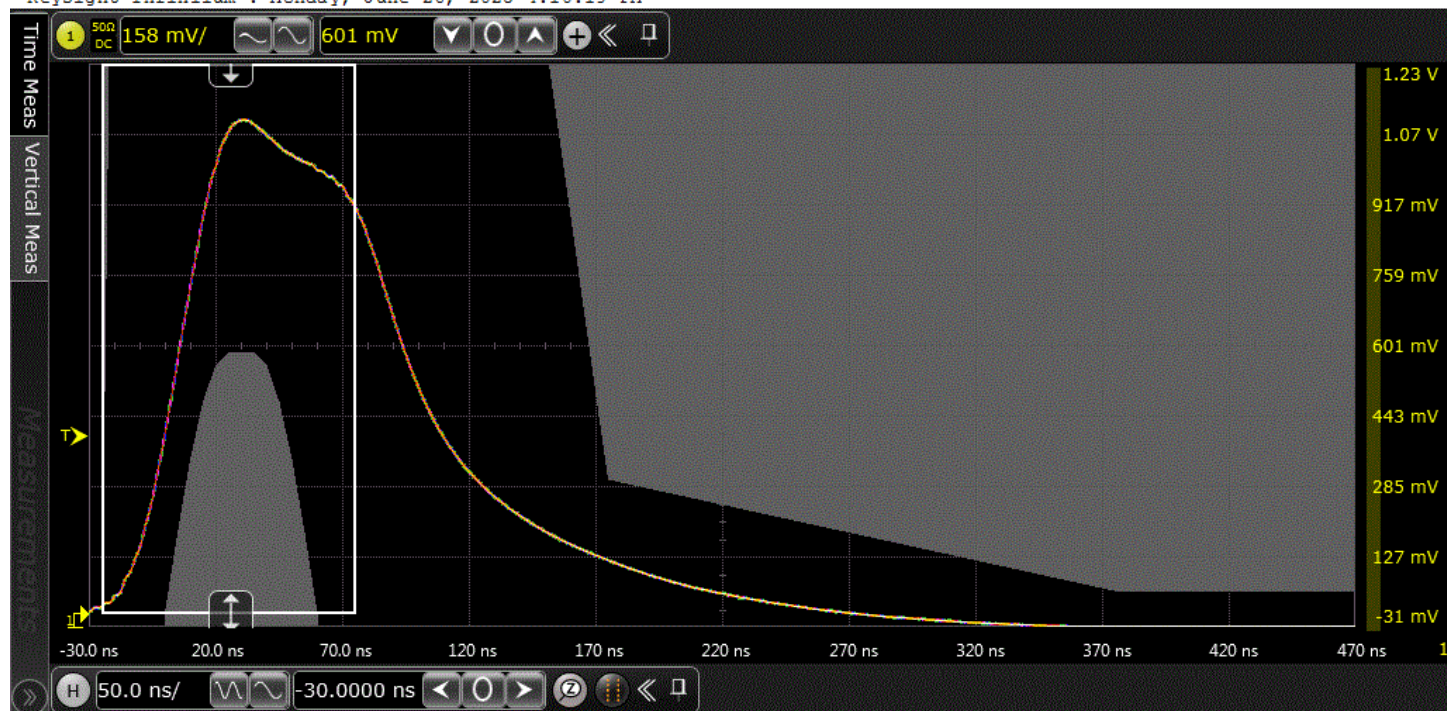
	Trial #	Actual Value	Margin	Start of LTP -- Failure Details	Start of LTP	End of LTP -- Failure Details	End of LTP
	Avg	0.000	100.0 %				
	StdDev	0.000	0.000 %				
	Range	0.000	0.000 %				
	Min	0.000	100.0 %				
	Max	0.000	100.0 %				
	Sum	0.000	300.0 %				
✓	1 (Worst)	0.000	100.0%	No Failure	N/A	No Failure	N/A
✓	2	0.000	100.0%	No Failure	N/A	No Failure	N/A
✓	3	0.000	100.0%	No Failure	N/A	No Failure	N/A

	Trial #	Load	#LTP/MAU Waveforms
	Avg		
	StdDev		
	Range		
	Min		
	Max		
	Sum		
✓	1 (Worst)	LOAD1	100.0
✓	2	LOAD2	100.0
✓	3	LOAD3	100.0

Trial 1 Images

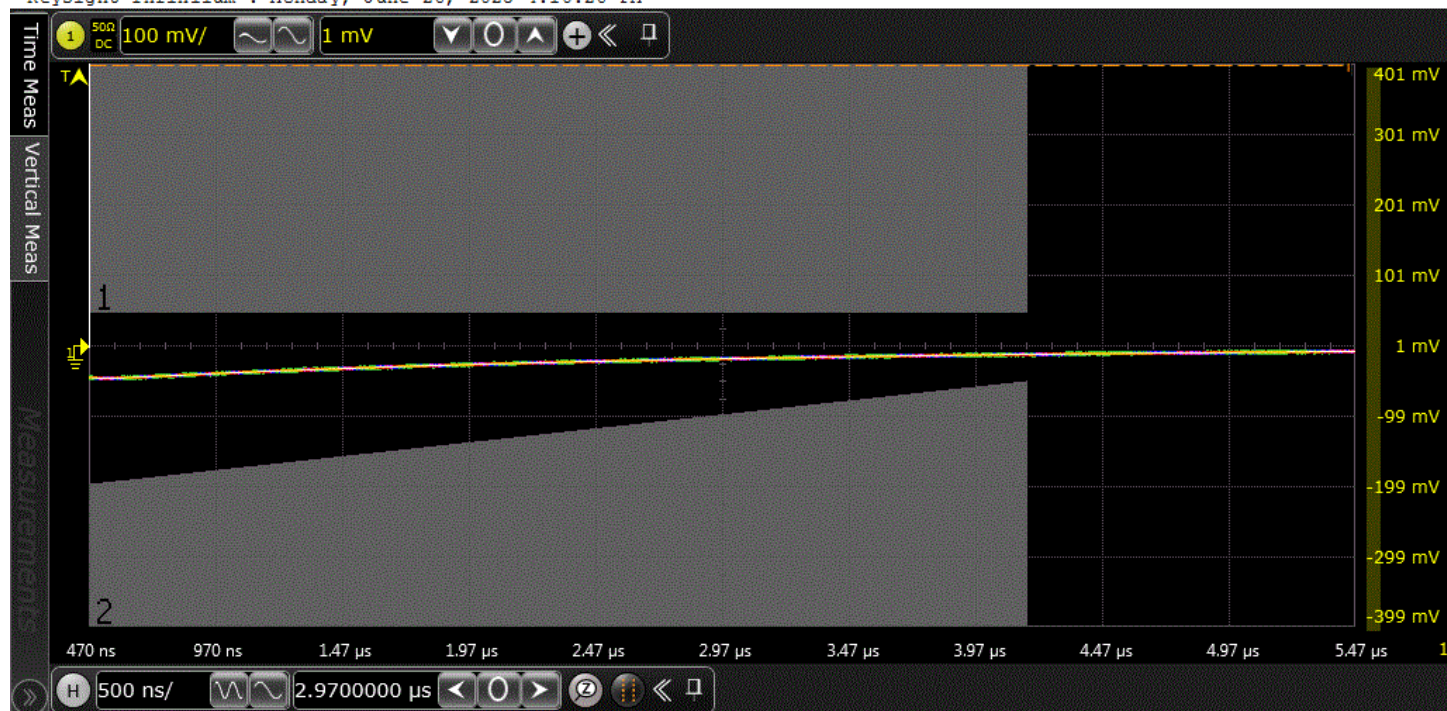
Start of LTP

Keysight Infiniium : Monday, June 26, 2023 4:10:19 PM



End of LTP

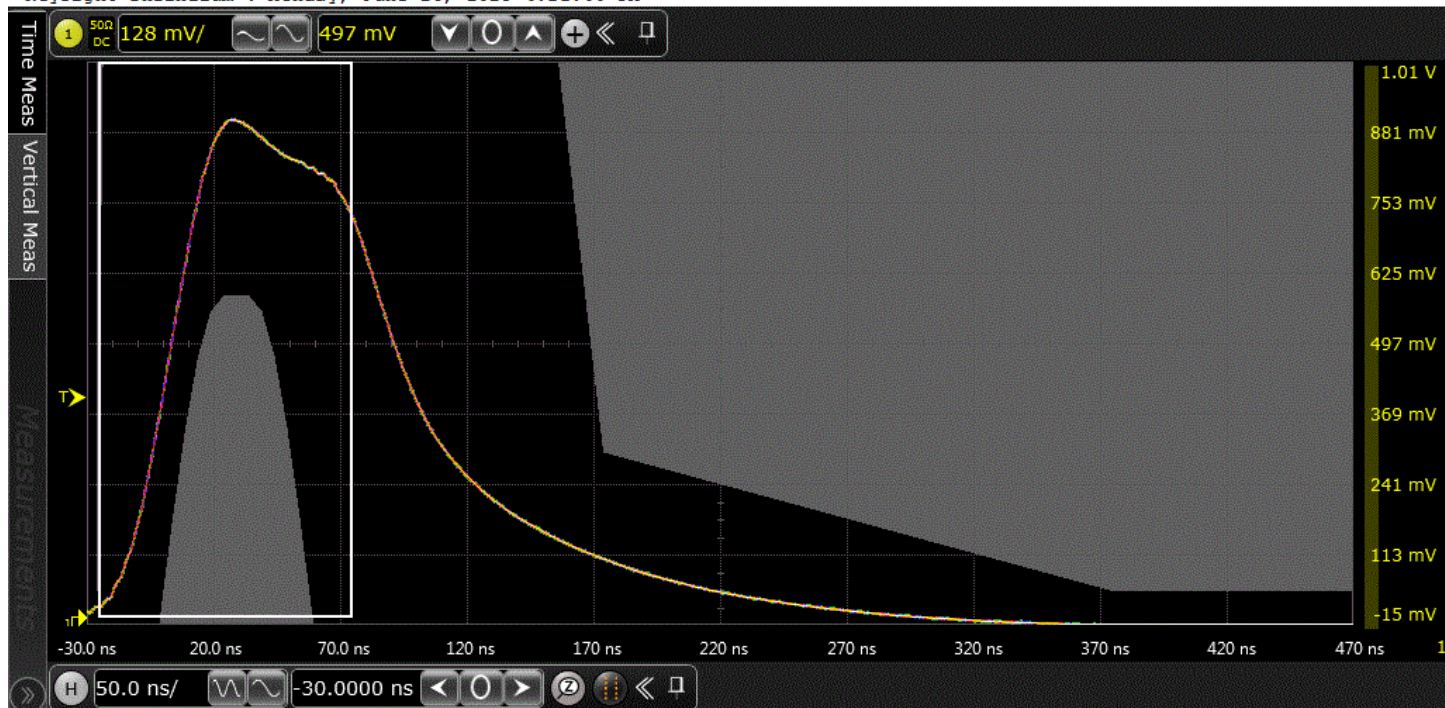
Keysight Infiniium : Monday, June 26, 2023 4:10:26 PM



Trial 2 Images

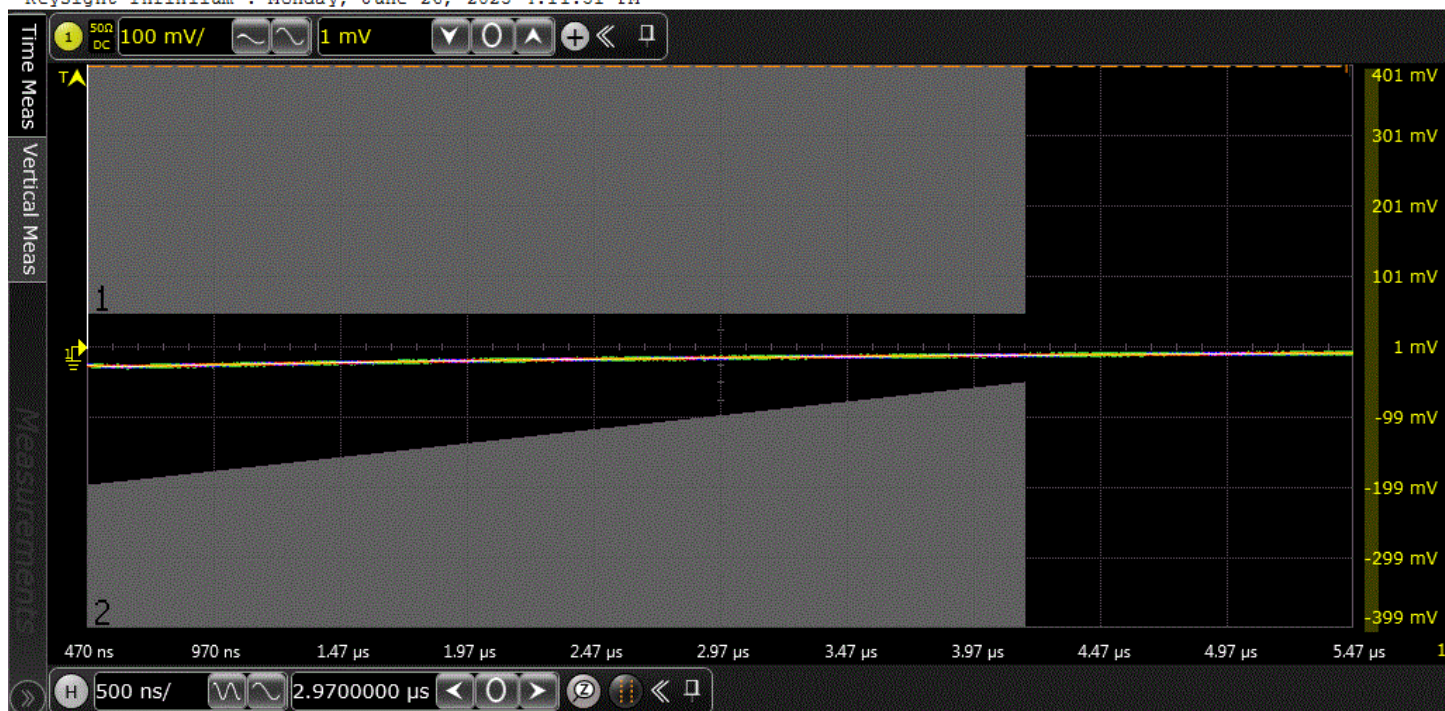
Start of LTP

Keysight Infiniium : Monday, June 26, 2023 4:11:44 PM



End of LTP

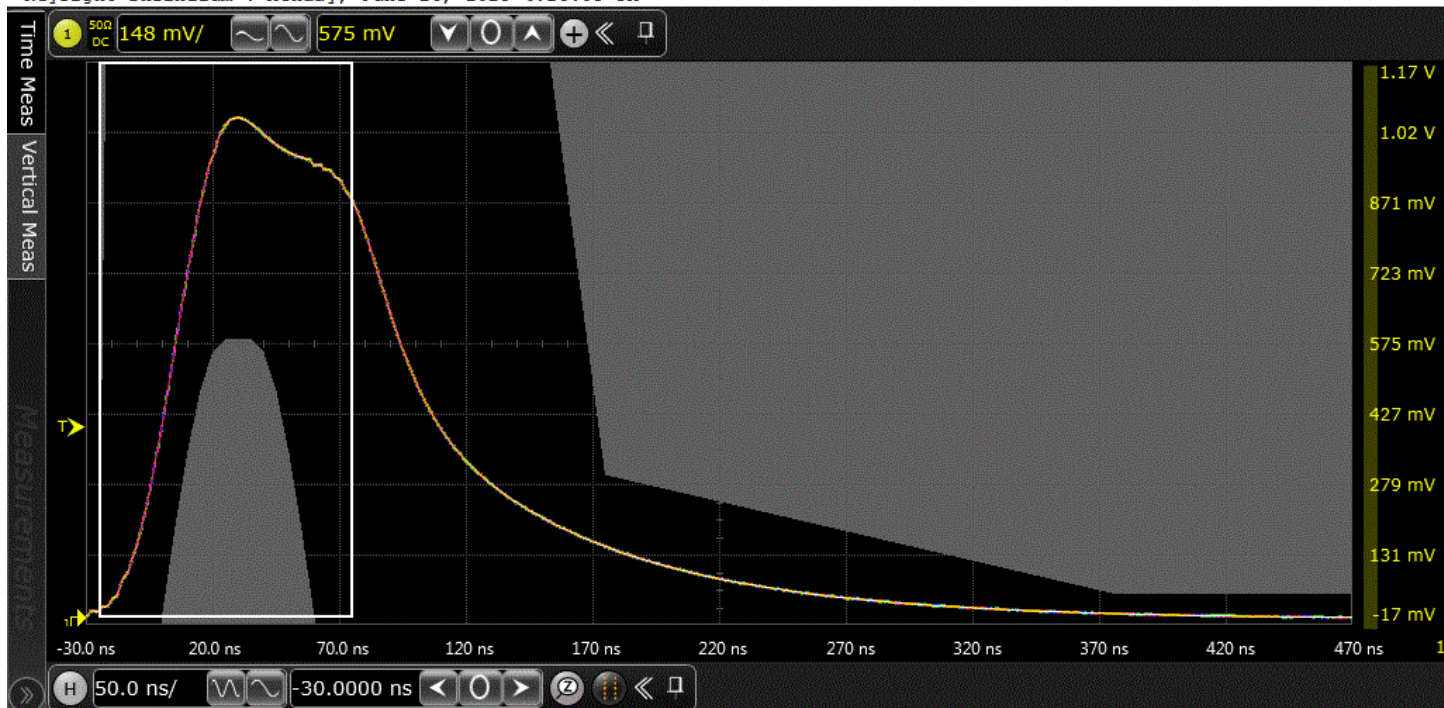
Keysight Infiniium : Monday, June 26, 2023 4:11:51 PM



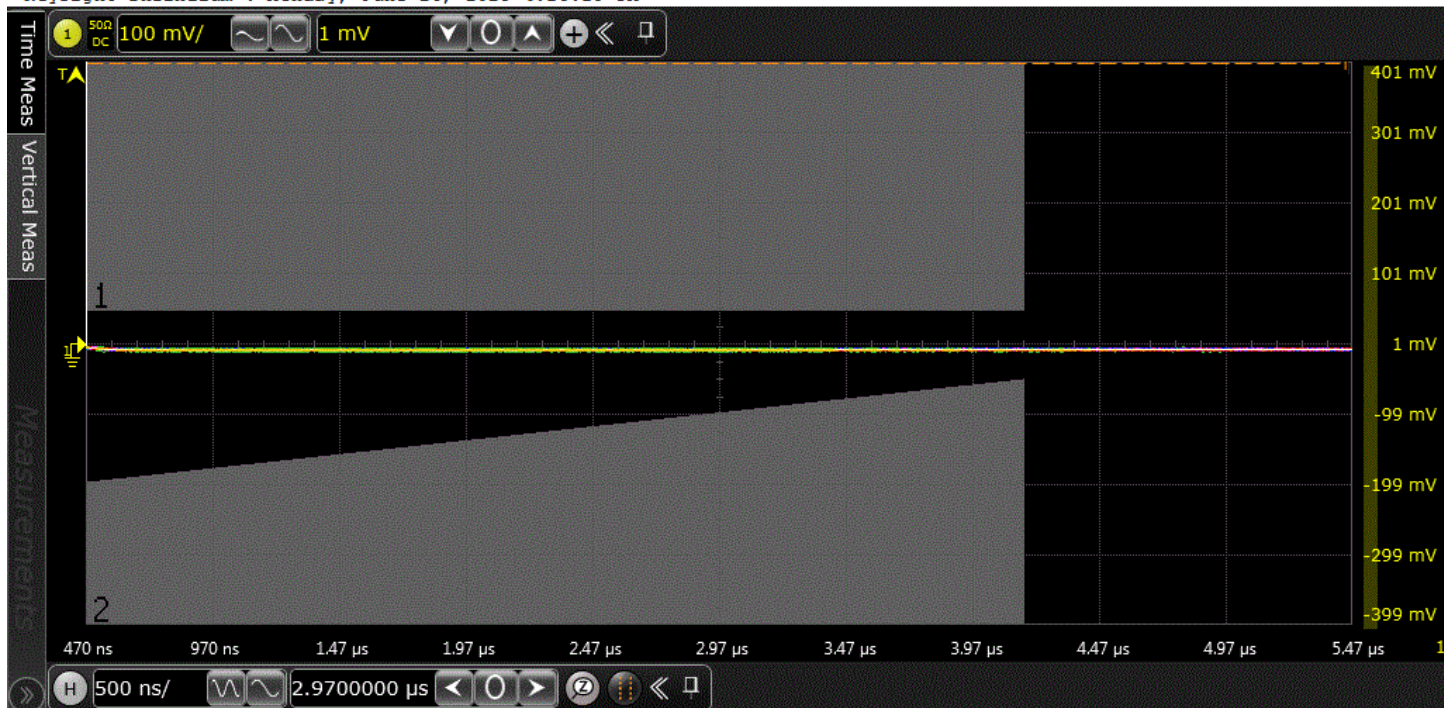
Trial 3 Images

Start of LTP

Keysight Infiniium : Monday, June 26, 2023 4:13:08 PM



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[Summary](#) [Previous](#)



10 Base-T, Link Test Pulse, without TPM

IEEE Std. 802.3 (IEEE802.3az Subclause 14.3.1.2.1, Figure 14-12)

The link test pulse shall be a single positive pulse which falls within the shaded area of Figure 14-12

Actual Value Measurement Name: Mask Failures (10 Base-T, Link Test Pulse, without TPM)

Pass Limits: No Mask Failures

Statistics & Details for all 3 Trials

Trial #	Actual Value	Margin	Start of LTP -- Failure Details	Start of LTP	End of LTP -- Failure Details	End of LTP
Avg	0.000	100.0 %				
StdDev	0.000	0.000 %				
Range	0.000	0.000 %				
Min	0.000	100.0 %				
Max	0.000	100.0 %				
Sum	0.000	300.0 %				
1 (Worst)	0.000	100.0%	No Failure	N/A	No Failure	N/A
2	0.000	100.0%	No Failure	N/A	No Failure	N/A
3	0.000	100.0%	No Failure	N/A	No Failure	N/A

Trial #	Load	#LTP/MAU Waveforms
Avg		
StdDev		
Range		
Min		
Max		
Sum		

Time Meas Vertical Meas

Measurements

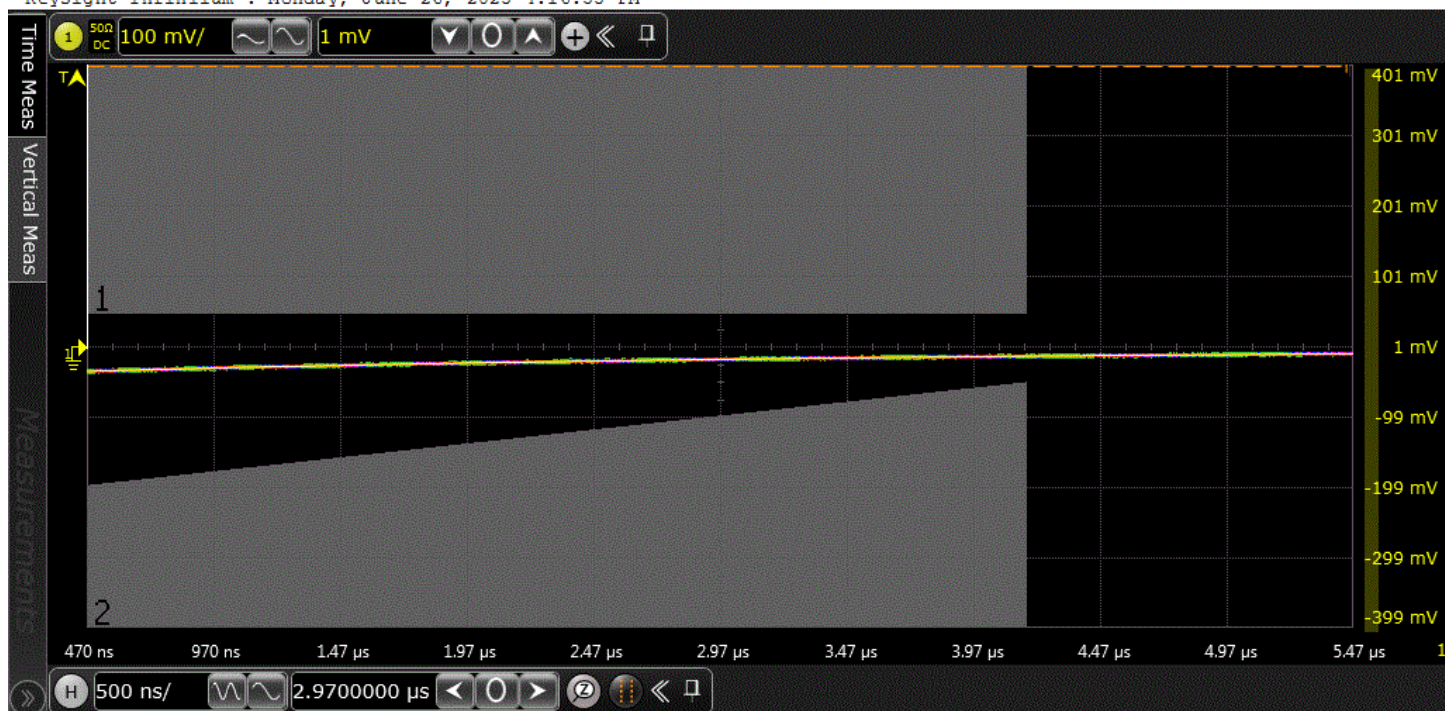
1 500 DC 392 mV/ 1.18 V 50.0 ns/ -40.000 ns

2

40 ns 10 ns 60 ns 110 ns 160 ns 210 ns 260 ns 310 ns 360 ns 410 ns 460 ns

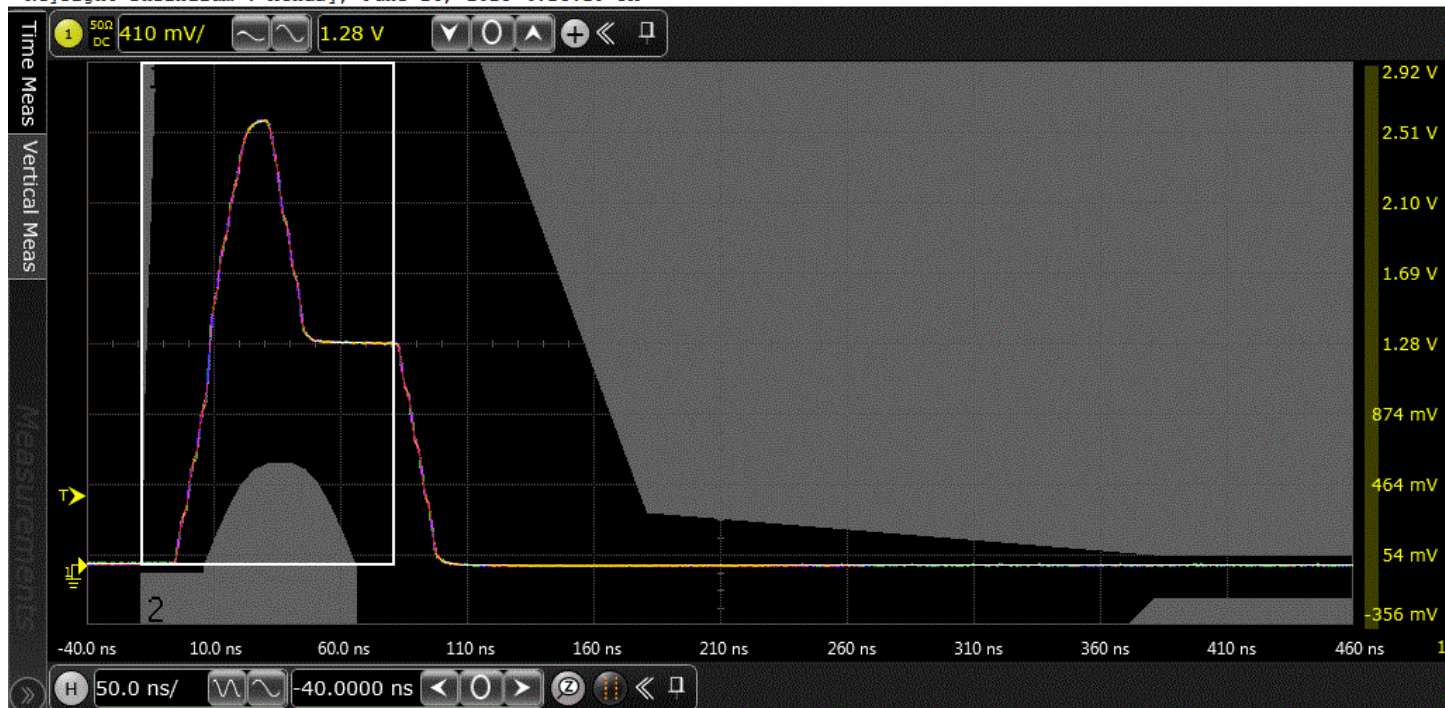
2.75 V 2.36 V 1.97 V 1.58 V 1.18 V 791 mV 399 mV 7 mV -385 mV

8 4:16:53 PM



Start of LTP

Keysight Infiniium : Monday, June 26, 2023 4:18:10 PM



Keysight Infiniium : Monday, June 26, 2023 4:18:17 PM

