



USB Test Report

Overall result: **Fail**

DUT:

Comment:
Time of session start: 12/14/2022 10:59:46
Operator: L-KEY-114 49(44)
Temperature: 23° C
Standard in use: USB

Run1:

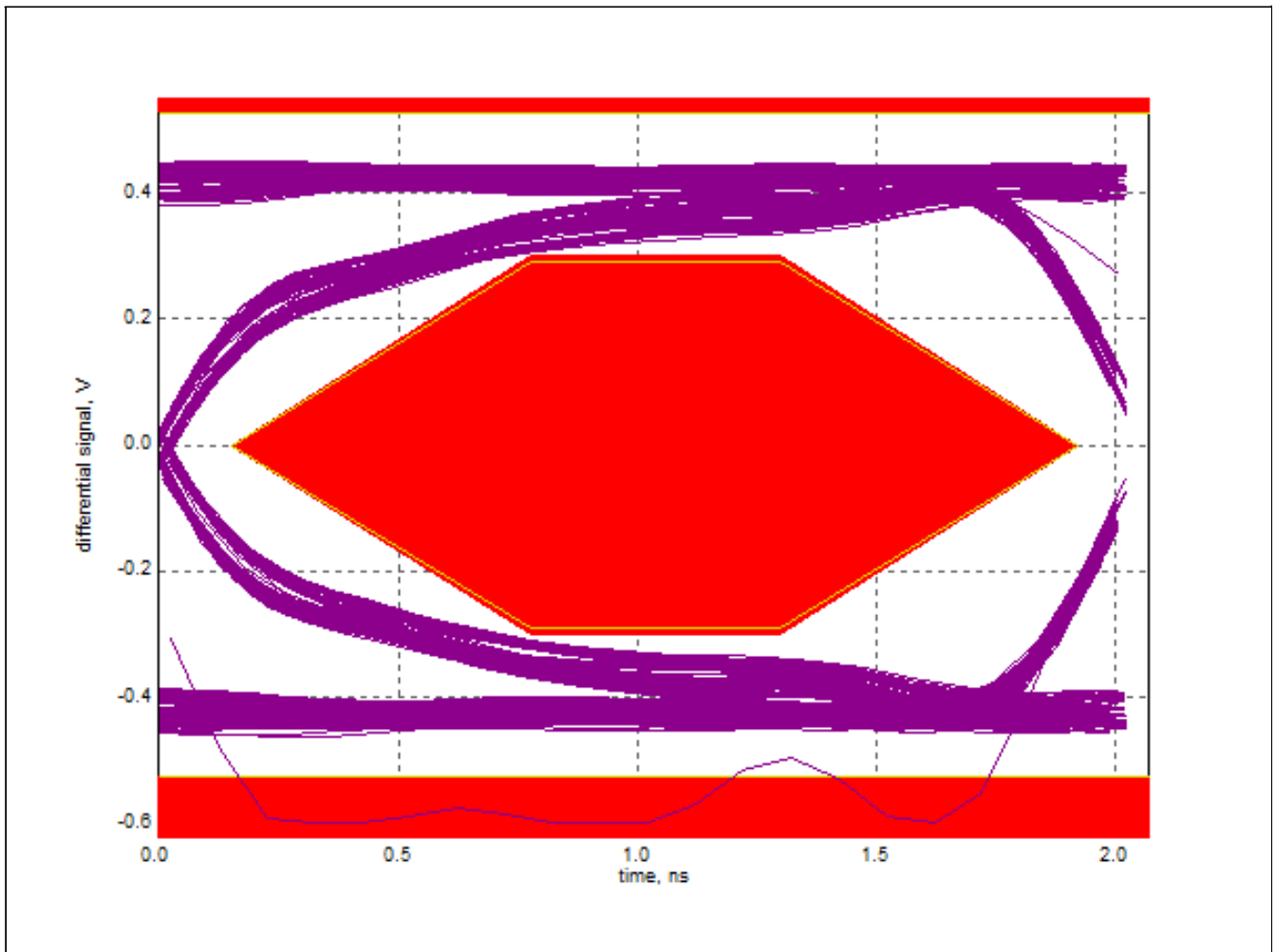
Time of run: 2022/12/14 10:59:49
Configuration in use: High Speed Hub - All Tests
Limits in use: USB Limits
Oscilloscope Name: LCRY0427N50357 Model: SDA816ZI
Oscilloscope Serial #: LCRY0427N50357
Computer: LCRY0427N50357
Oscilloscope firmware version: 7.6.1.1 (Build 204282)
QualiPHY core version: 7.6.1.1 (Build 1000001)

QualiPHY script version: 7.6.1.1
Stylesheet version: 1.2.0.6
PassFailFromUSBIFScript: Yes
RecordMoreScreens: Yes
StartingPortNumber: 1
USBET script version: 1.30.01
USB-IF MATLAB® script version: 2.22.03 (Not in use)

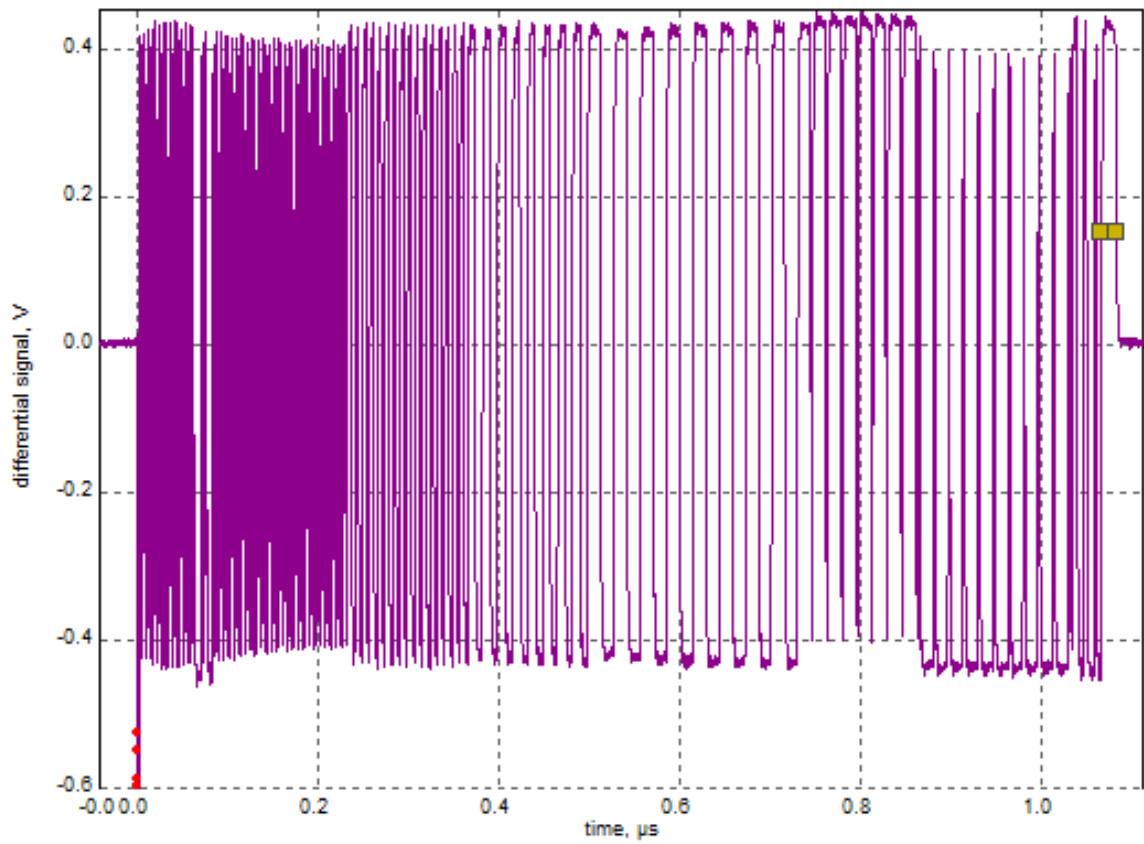
Details

EL_<2,6,7,46> - HS Hub Upstream Signal Quality

*** Hub Upstream Port Tests ***

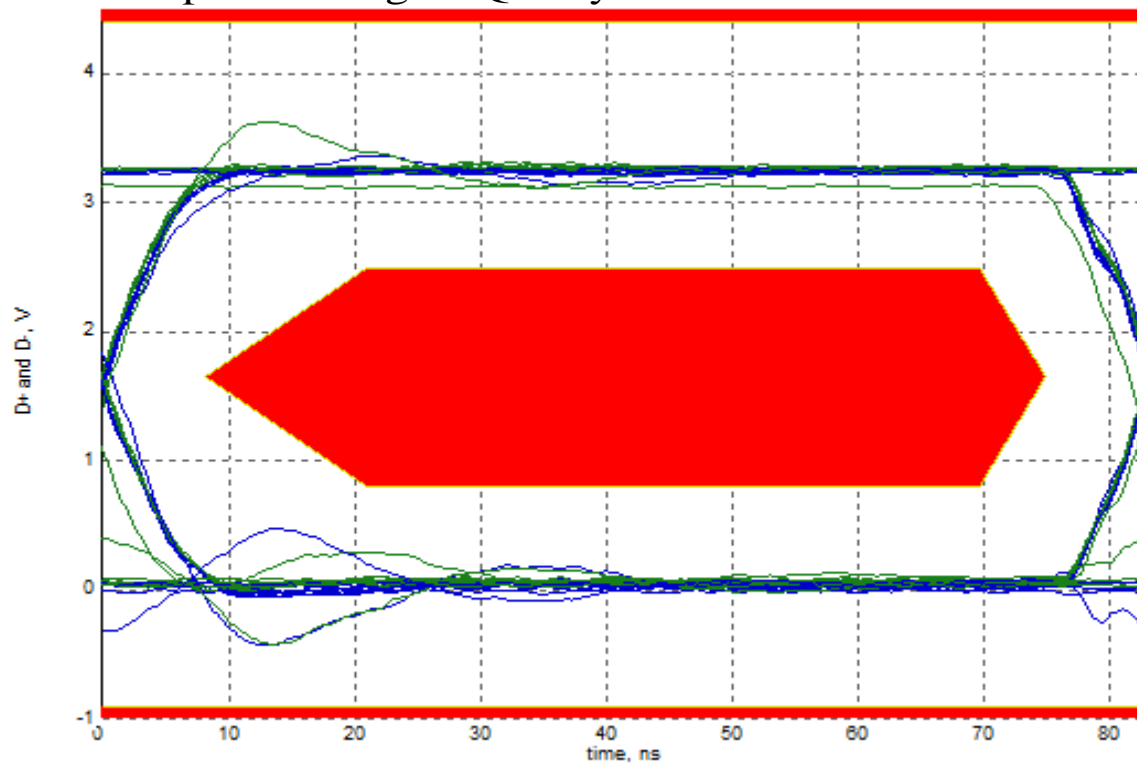


Upstream Eye Diagram, Path on Scope: D:\Applications\USB2\Results\HSUpstreamSQ517Eye.png
Timestamp: 12/14/2022 11:12:54

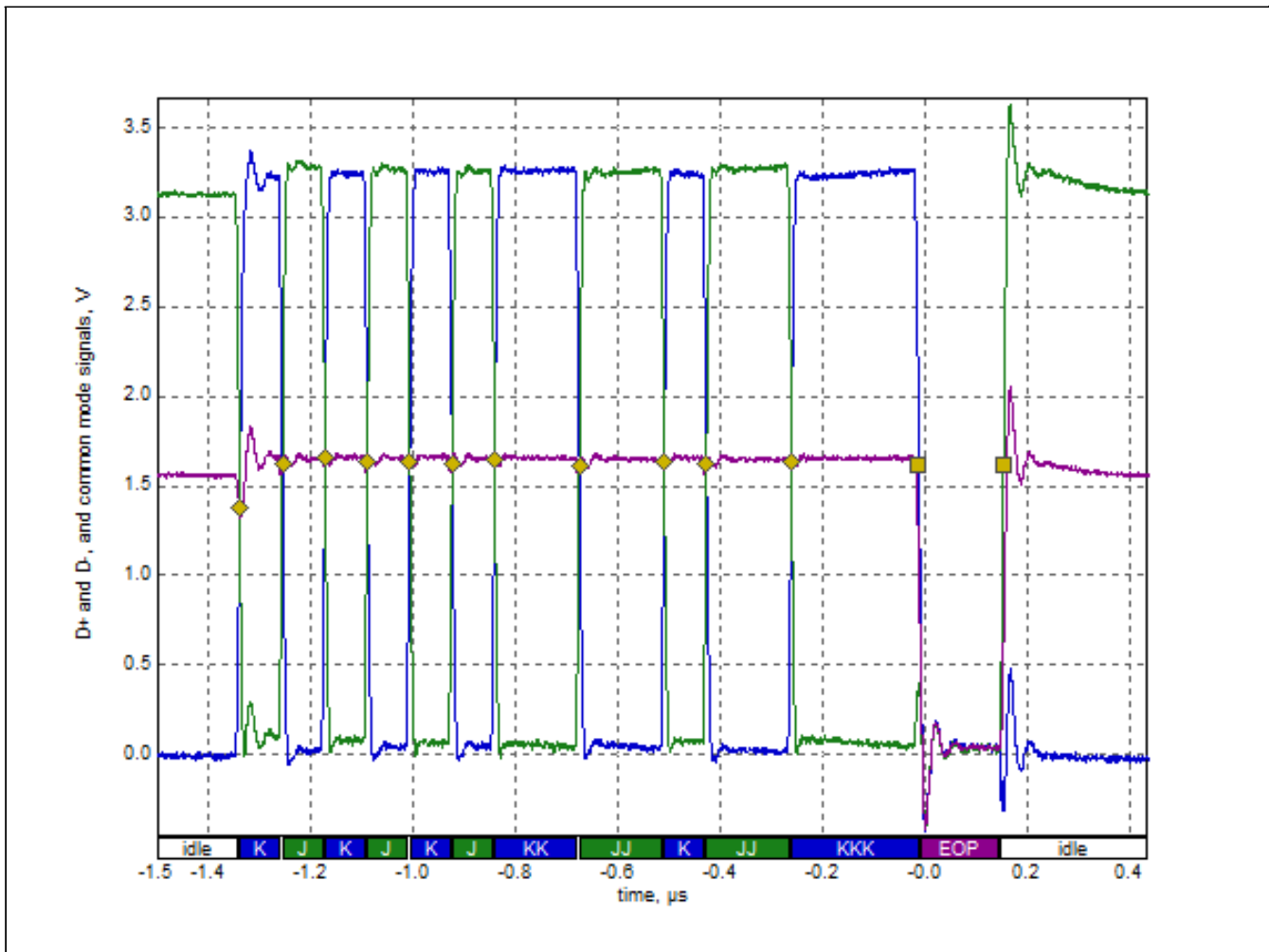


Scope Capture Data Plot, Path on Scope:
D:\Applications\USB2\Results\HSUpstreamSQ517Plot.png
Timestamp: 12/14/2022
11:12:54


B.6 - FS Upstream Signal Quality



Upstream Eye Diagram, Path on Scope: D:\Applications\USB2\Results\FSUpstreamSQ955Eye.png
Timestamp: 12/14/2022 13:17:45



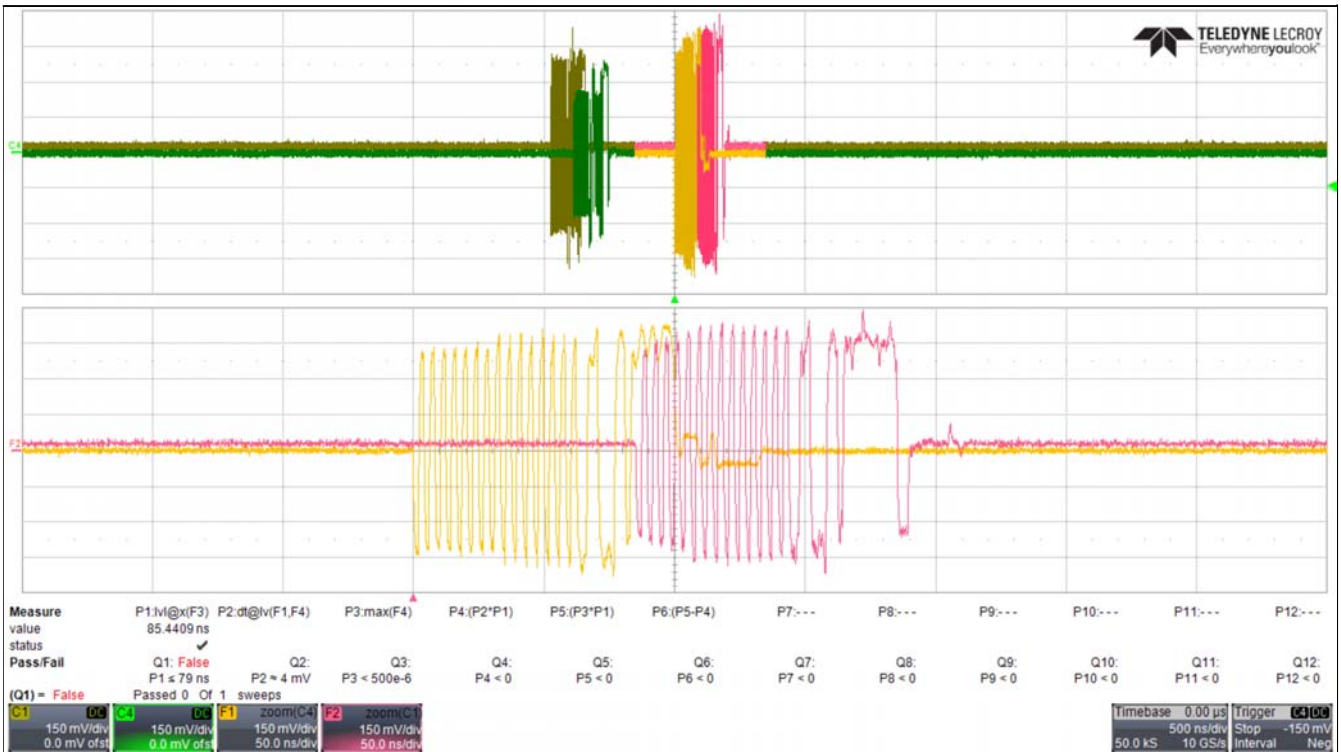
Scope Capture Data Plot, Path on Scope: D:\Applications\USB2\Results\FSUpstreamSQ955Plot.png
 Timestamp: 12/14/2022 13:17:45

 Pass	Measurement:	Signal Quality Overall Result
	Limit Name:	PassMatchStrict
	Current Value:	pass
	Test Criteria:	matchAnyIgnoreCase
	Timestamp:	12/14/2022 13:17:45
	Run Number	1
	Speed	Full
	Direction	Upstream
PortName	-	

Test EL_48- HS Upstream Hub Repeater Delay

[Up]


Fail	Measurement:	Hub Repeater Delay
	Limit Name:	HubUpstreamDelay
	Current Value:	85.44 nS
	Test Criteria:	$x \leq 79.00 \text{ nS}$
	Timestamp:	12/14/2022 13:46:39
	Run Number	1
	Direction	Upstream Repeater
	PortName	-
	Speed	High

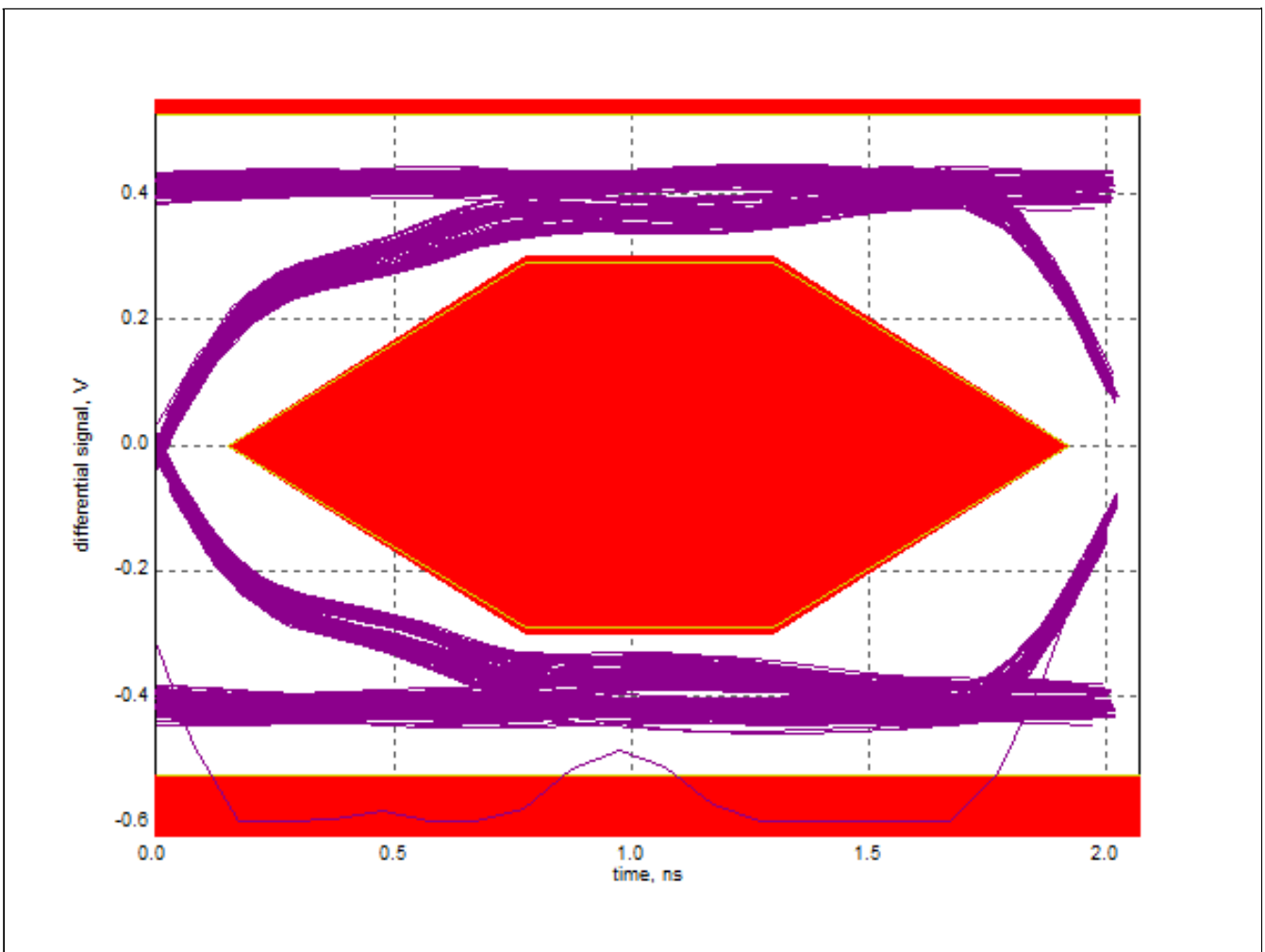


EL_48 - HS Hub Upstream Repeater Delay
Timestamp: 12/14/2022 13:46:39

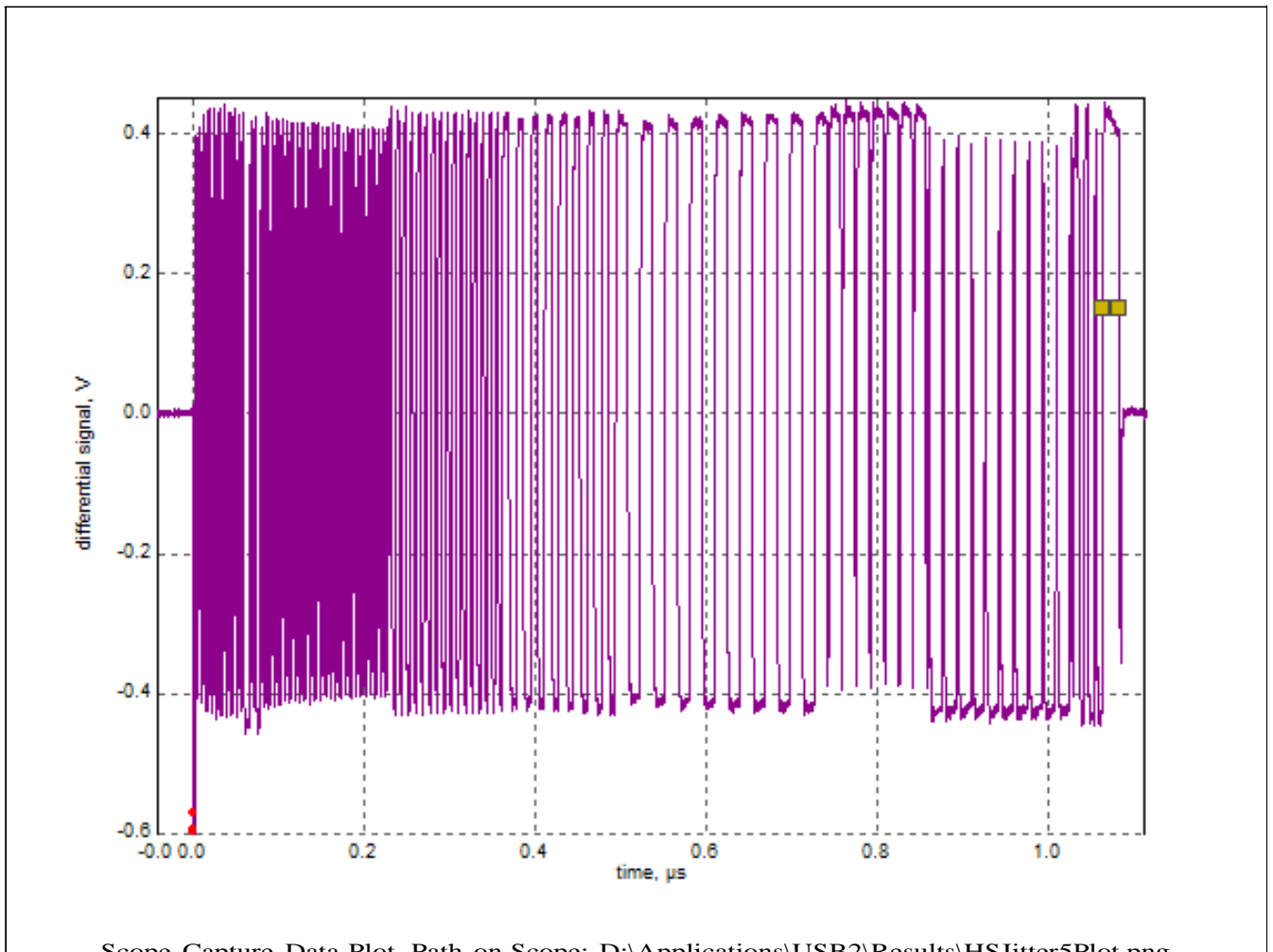
EL_47 - HS Downstream Hub Repeater Jitter

[\[Up\]](#)

 Fail	Measurement:	Signal Quality Overall Result
	Limit Name:	PassMatchStrict
	Current Value:	Fail
	Test Criteria:	match Pass or Waiver
	Timestamp:	12/14/2022 15:39:11
	Run Number	1
	Description:	Error occurred during execution




Upstream Eye Diagram, Path on Scope: D:\Applications\USB2\Results\HSJitter5Eye.png
Timestamp: 12/14/2022 15:41:20



Scope Capture Data Plot, Path on Scope: D:\Applications\USB2\Results\HSJitter5Plot.png
 Timestamp: 12/14/2022 15:41:20

USB-IF Report - Click below to view
[click here to view](#)

[\[Up\]](#)

 Fail	Measurement:	Signal Quality Overall Result
	Limit Name:	PassMatchStrict
	Current Value:	fail
	Test Criteria:	matchAnyIgnoreCase
	Timestamp:	12/14/2022 15:41:20
	Run Number	1
	Speed	High
	Direction	Downstream Repeater
PortName	2	