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General Information

Device	
User	
Site	
Date	8/5/2024
Temperature	
Instrument	RTP 164
Oscilloscope FW Version	5.35.1.0
Scope Suite Version	5.35.1.0
Comments	

Test Summary

1000BASE-T Peak Voltage No Disturber - (Pair A)

Result	Test	Description	Run
✓	40.6.1.2.1	Peak Differential Output Voltage and Level Accuracy Test No Disturber	1

1000BASE-T Peak Voltage No Disturber - (Pair B)

Result	Test	Description	Run
✓	40.6.1.2.1	Peak Differential Output Voltage and Level Accuracy Test No Disturber	5

1000BASE-T Peak Voltage No Disturber - (Pair C)

Result	Test	Description	Run
✓	40.6.1.2.1	Peak Differential Output Voltage and Level Accuracy Test No Disturber	6

1000BASE-T Peak Voltage No Disturber - (Pair D)

Result	Test	Description	Run
✓	40.6.1.2.1	Peak Differential Output Voltage and Level Accuracy Test No Disturber	7

1000BASE-T Maximum Output Droop No Disturber - (Pair A)

Result	Test	Description	Run
✓	40.6.1.2.2	Maximum Output Droop	1

1000BASE-T Maximum Output Droop No Disturber - (Pair B)

Result	Test	Description	Run
✓	40.6.1.2.2	Maximum Output Droop	3

1000BASE-T Maximum Output Droop No Disturber - (Pair C)

Result	Test	Description	Run
✓	40.6.1.2.2	Maximum Output Droop	4

1000BASE-T Maximum Output Droop No Disturber - (Pair D)

Result	Test	Description	Run
✓	40.6.1.2.2	Maximum Output Droop	5

1000BASE-T Differential Output Templates No Disturber - (Pair A)

Result	Test	Description	Run
✓	40.6.1.2.3	Normalized Time Domain Transmit Template	1

1000BASE-T Differential Output Templates No Disturber - (Pair B)

Result	Test	Description	Run
✓	40.6.1.2.3	Normalized Time Domain Transmit Template	2

1000BASE-T Differential Output Templates No Disturber - (Pair C)

Result	Test	Description	Run
✓	40.6.1.2.3	Normalized Time Domain Transmit Template	3

1000BASE-T Differential Output Templates No Disturber - (Pair D)

Result	Test	Description	Run
✓	40.6.1.2.3	Normalized Time Domain Transmit Template	4

1000BASE-T Peak Voltage With Disturber - (Pair A)

Result	Test	Description	Run
✓	40.6.1.2.1	Peak Differential Output Voltage and Level Accuracy Test With Disturber	1

1000BASE-T Peak Voltage With Disturber - (Pair B)

Result	Test	Description	Run
✓	40.6.1.2.1	Peak Differential Output Voltage and Level Accuracy Test With Disturber	4

1000BASE-T Peak Voltage With Disturber - (Pair C)

Result	Test	Description	Run
✓	40.6.1.2.1	Peak Differential Output Voltage and Level Accuracy Test With Disturber	5

1000BASE-T Peak Voltage With Disturber - (Pair D)

Result	Test	Description	Run
✓	40.6.1.2.1	Peak Differential Output Voltage and Level Accuracy Test With Disturber	7

1000BASE-T Maximum Output Droop With Disturber - (Pair A)

Result	Test	Description	Run
✓	40.6.1.2.2	Maximum Output Droop	1

1000BASE-T Maximum Output Droop With Disturber - (Pair B)

Result	Test	Description	Run
✓	40.6.1.2.2	Maximum Output Droop	2

1000BASE-T Maximum Output Droop With Disturber - (Pair C)

Result	Test	Description	Run
✓	40.6.1.2.2	Maximum Output Droop	3

1000BASE-T Maximum Output Droop With Disturber - (Pair D)

Result	Test	Description	Run
✓	40.6.1.2.2	Maximum Output Droop	4

1000BASE-T Differential Output Templates With Disturber - (Pair A)

Result	Test	Description	Run
✓	40.6.1.2.3	Normalized Time Domain Transmit Template	10

1000BASE-T Differential Output Templates With Disturber - (Pair B)

Result	Test	Description	Run
✓	40.6.1.2.3	Normalized Time Domain Transmit Template	7

1000BASE-T Differential Output Templates With Disturber - (Pair C)

Result	Test	Description	Run
✓	40.6.1.2.3	Normalized Time Domain Transmit Template	9

1000BASE-T Differential Output Templates With Disturber - (Pair D)

Result	Test	Description	Run
✓	40.6.1.2.3	Normalized Time Domain Transmit Template	8

1000BASE-T Transmitter Distortion With Disturber No TX_TCLK - (Pair A)

Result	Test	Description	Run
✓	40.6.1.2.4	Transmitter Distortion	1

1000BASE-T Transmitter Distortion With Disturber No TX_TCLK - (Pair B)

Result	Test	Description	Run
✓	40.6.1.2.4	Transmitter Distortion	2

1000BASE-T Transmitter Distortion With Disturber No TX_TCLK - (Pair C)

Result	Test	Description	Run
✓	40.6.1.2.4	Transmitter Distortion	5

1000BASE-T Transmitter Distortion With Disturber No TX_TCLK - (Pair D)

Result	Test	Description	Run
✗	40.6.1.2.4	Transmitter Distortion	6

1000BASE-T Jitter Mastermode No TX_TCLK - (Pair A)

Result	Test	Description	Run
✓	40.6.1.2.5 and 40.6.1.2.6	Jitter Mastermode No TX_TCLK and Clock Frequency	1

1000BASE-T Jitter Mastermode No TX_TCLK - (Pair B)

Result	Test	Description	Run
✓	40.6.1.2.5 and 40.6.1.2.6	Jitter Mastermode No TX_TCLK and Clock Frequency	2

1000BASE-T Jitter Mastermode No TX_TCLK - (Pair C)

Result	Test	Description	Run
✓	40.6.1.2.5 and 40.6.1.2.6	Jitter Mastermode No TX_TCLK and Clock Frequency	3

1000BASE-T Jitter Mastermode No TX_TCLK - (Pair D)

Result	Test	Description	Run
✓	40.6.1.2.5 and 40.6.1.2.6	Jitter Mastermode No TX_TCLK and Clock Frequency	4

1000BASE-T Jitter Slavemode No TX_TCLK - (Pair A)

Result	Test	Description	Run
✓	40.6.1.2.5	Jitter Slavemode No TX_TCLK (Recorded Waveform Length 102ms)	1

1000BASE-T Jitter Slavemode No TX_TCLK - (Pair B)

Result	Test	Description	Run
✓	40.6.1.2.5	Jitter Slavemode No TX_TCLK (Recorded Waveform Length 102ms)	2

1000BASE-T Jitter Slavemode No TX_TCLK - (Pair C)

Result	Test	Description	Run
✓	40.6.1.2.5	Jitter Slavemode No TX_TCLK (Recorded Waveform Length 102ms)	3

1000BASE-T Jitter Slavemode No TX_TCLK - (Pair D)

Result	Test	Description	Run
✓	40.6.1.2.5	Jitter Slavemode No TX_TCLK (Recorded Waveform Length 102ms)	4

1000BASE-T MDI Return Loss (Single-ended) - (Pair A)

Result	Test	Description	Run
✓	40.8.3.1	MDI Return Loss (Single-ended)	1

1000BASE-T MDI Return Loss (Single-ended) - (Pair B)

Result	Test	Description	Run
✓	40.8.3.1	MDI Return Loss (Single-ended)	2

1000BASE-T MDI Return Loss (Single-ended) - (Pair C)

Result	Test	Description	Run
✓	40.8.3.1	MDI Return Loss (Single-ended)	3

1000BASE-T MDI Return Loss (Single-ended) - (Pair D)

Result	Test	Description	Run
✓	40.8.3.1	MDI Return Loss (Single-ended)	4

1000BASE-T Common-mode Output Voltage - (Pair A)

Result	Test	Description	Run
✓	40.8.3.3	Common-mode Output Voltage	2

1000BASE-T Common-mode Output Voltage - (Pair B)

Result	Test	Description	Run
✓	40.8.3.3	Common-mode Output Voltage	3

1000BASE-T Common-mode Output Voltage - (Pair C)

Result	Test	Description	Run
✓	40.8.3.3	Common-mode Output Voltage	4

1000BASE-T Common-mode Output Voltage - (Pair D)

Result	Test	Description	Run
✓	40.8.3.3	Common-mode Output Voltage	5

Test Details

1000BASE-T Peak Voltage No Disturber - 40.6.1.2.1

Description	Peak Differential Output Voltage and Level Accuracy Test No Disturber
Pair	A
Run	1
Result	Pass
Time	07/30/2024 20:08:04
Comment	

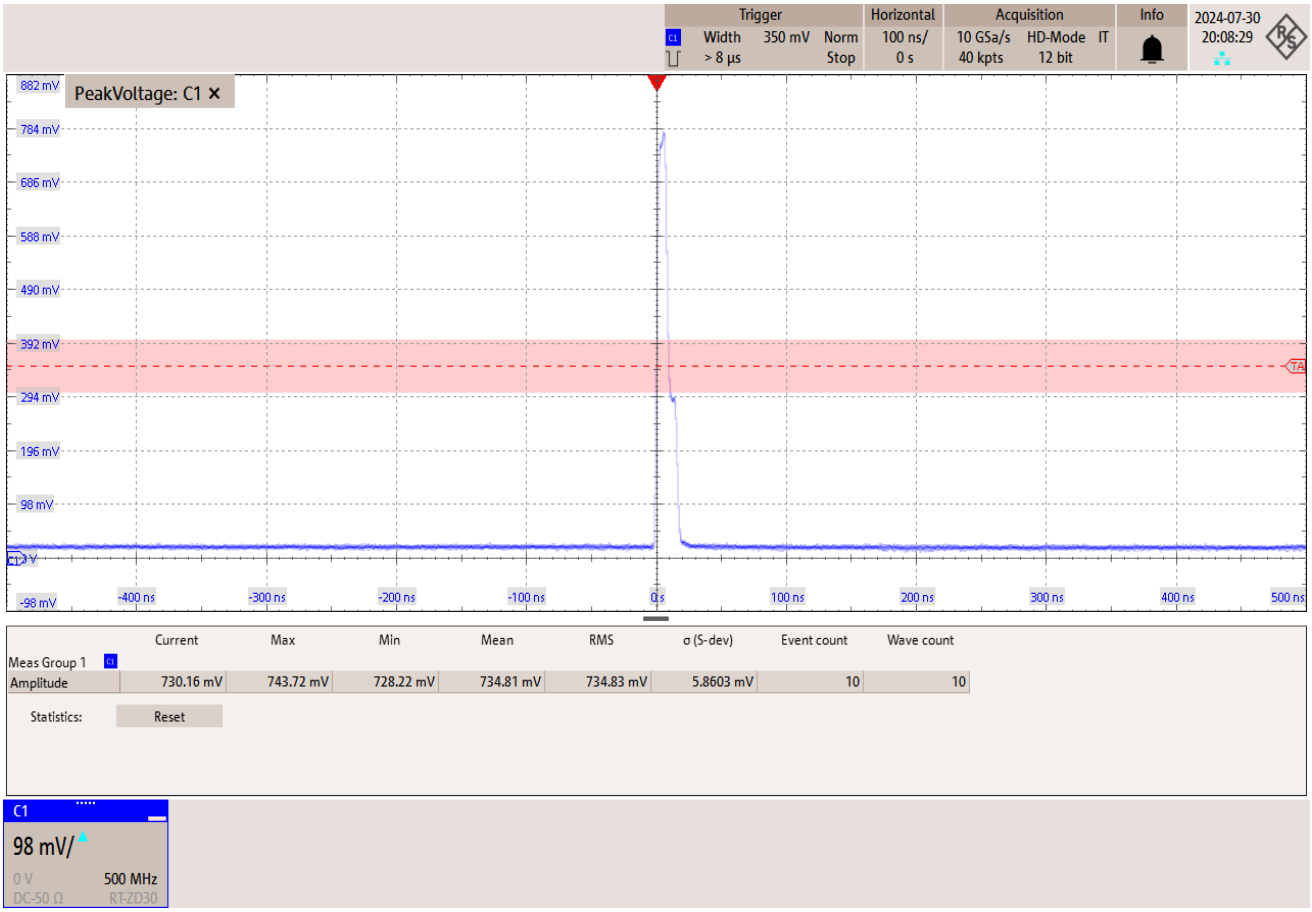
Properties

Name	Value	Name	Value
Average Count	10	Measurement Method	Amplitude
Expert Mode	No		

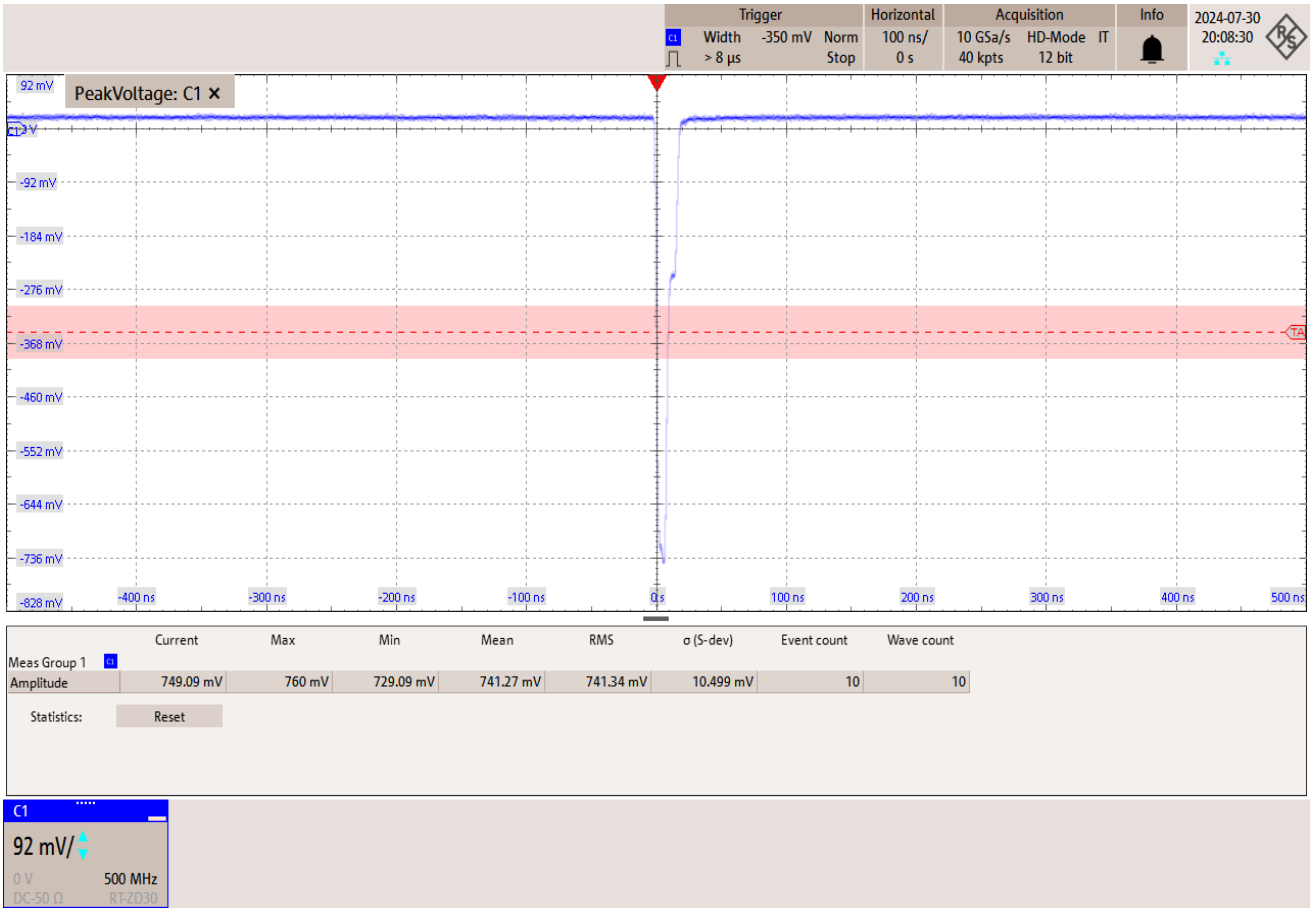
Additional Information

Measurement	Value	Limits
Voltage Point A	734.806 mV	670 mV <= x <= 820 mV
Voltage Point B	741.273 mV	670 mV <= x <= 820 mV
Voltage Point A B difference	0.4371253%	x <= 1 %
Voltage difference between Point C and AVG(A,B)/2	1.433132%	x <= 2 %
Voltage difference between Point D and AVG(A,B)/2	1.387616%	x <= 2 %

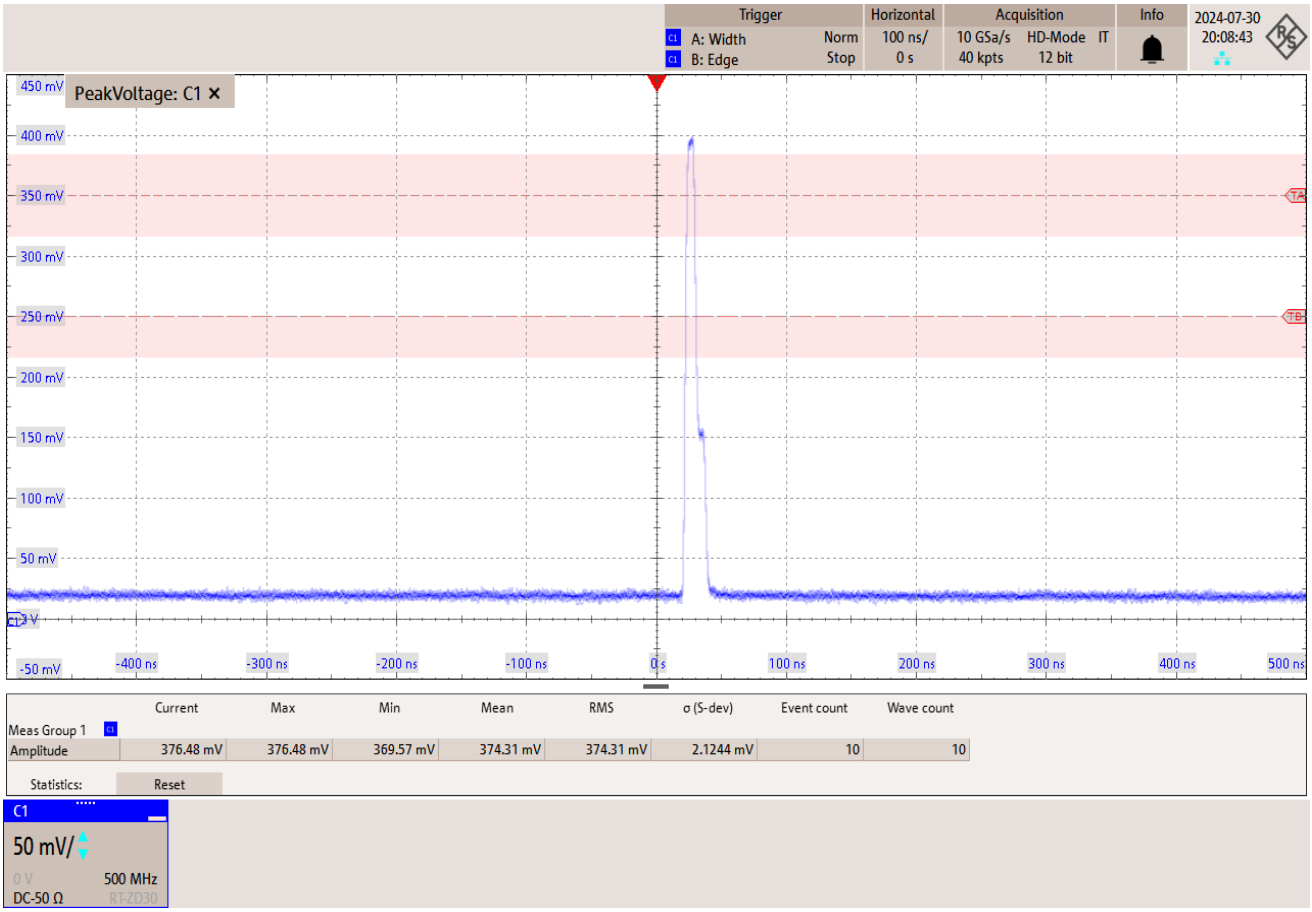
1000BASE-T Peak Voltage No Disturber - 40.6.1.2.1 - Voltage Point A



1000BASE-T Peak Voltage No Disturber - 40.6.1.2.1 - Voltage Point B



1000BASE-T Peak Voltage No Disturber - 40.6.1.2.1 - Voltage difference between Point C and AVG(A,B)/2



1000BASE-T Peak Voltage No Disturber - 40.6.1.2.1 - Voltage difference between Point D and AVG(A,B)/2

1000BASE-T Peak Voltage No Disturber - 40.6.1.2.1

Description	Peak Differential Output Voltage and Level Accuracy Test No Disturber
Pair	B
Run	5
Result	Pass
Time	08/05/2024 15:07:15
Comment	

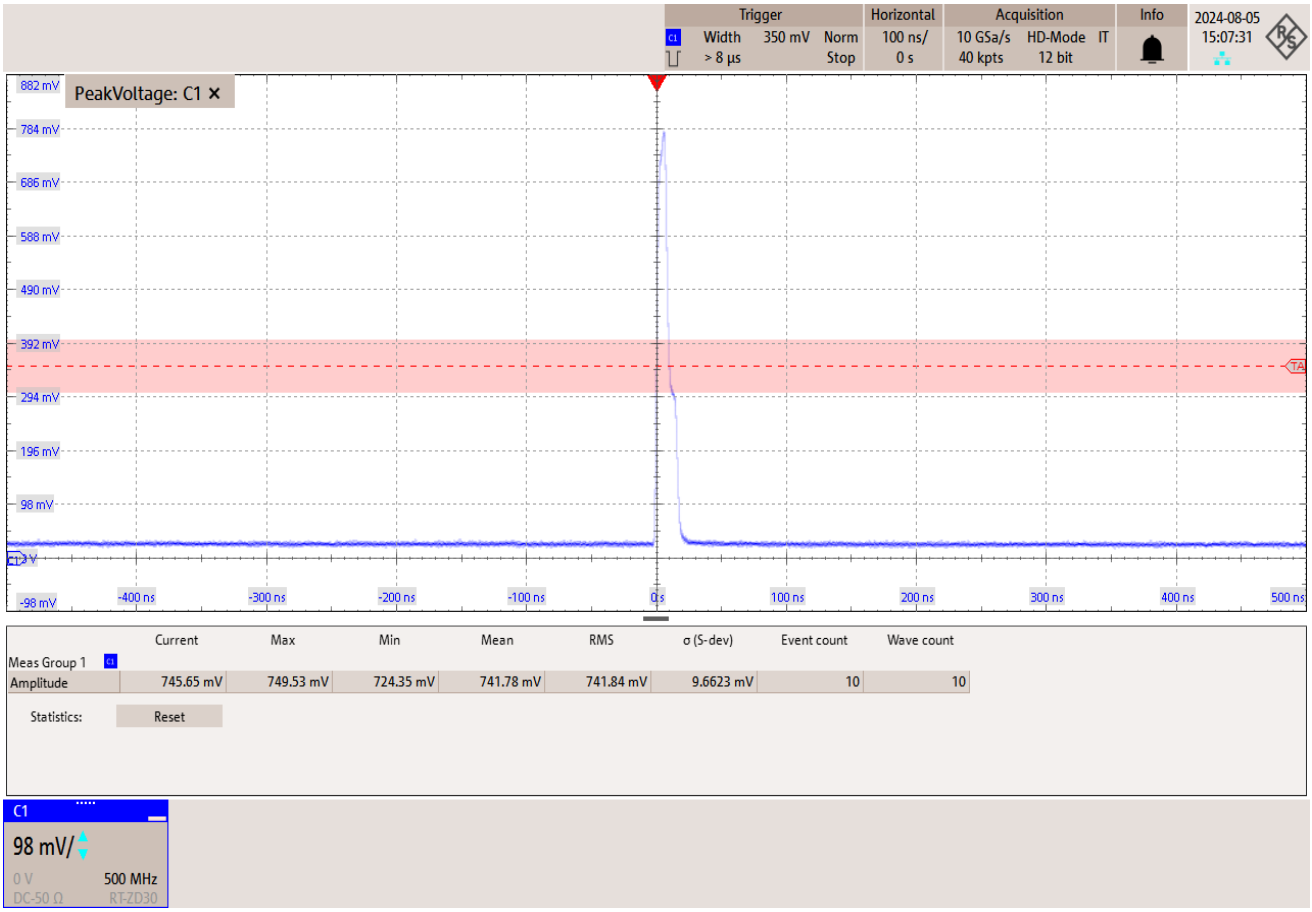
Properties

Name	Value	Name	Value
Average Count	10	Measurement Method	Amplitude
Expert Mode	No		

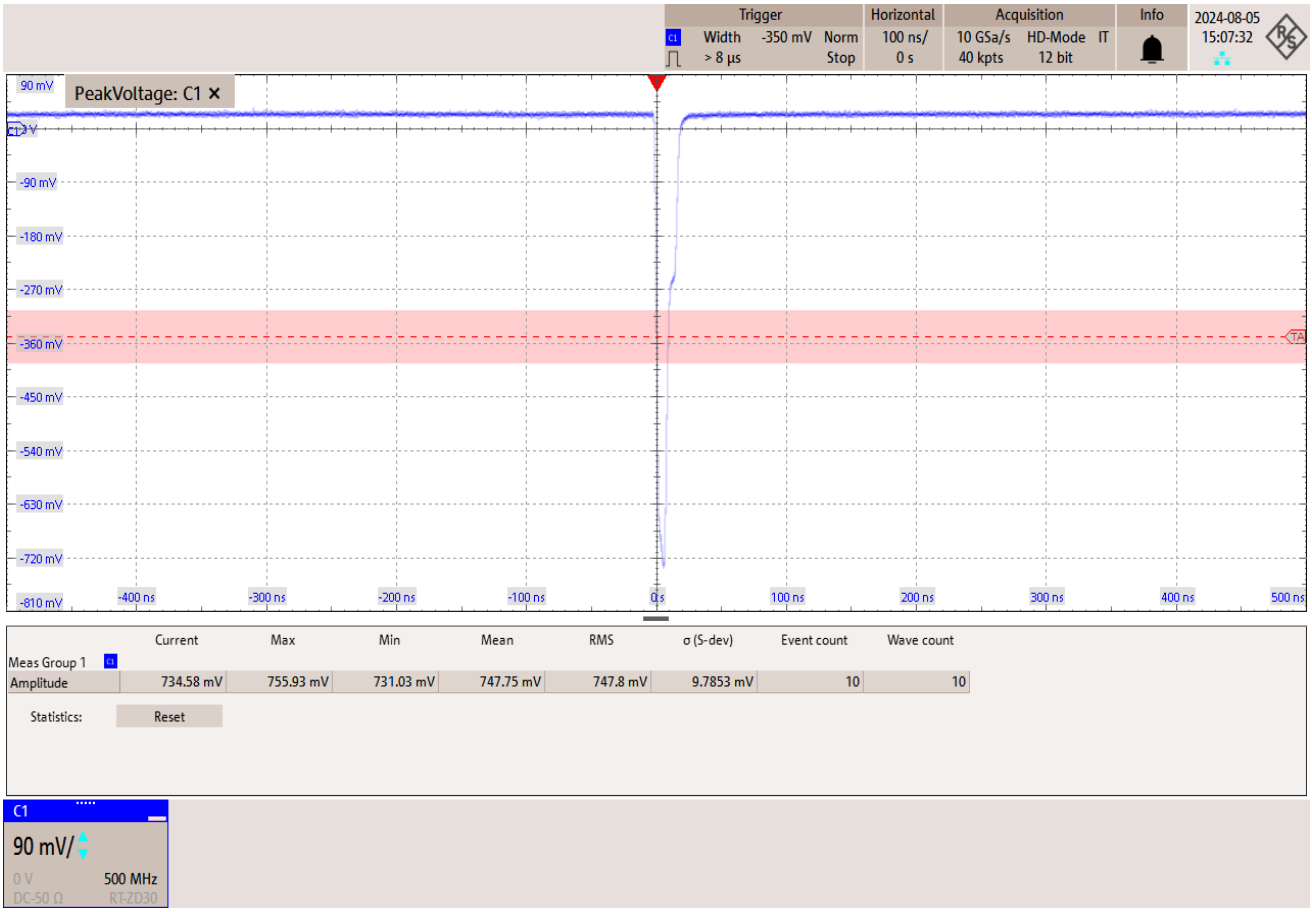
Additional Information

Measurement	Value	Limits
Voltage Point A	741.779 mV	670 mV <= x <= 820 mV
Voltage Point B	747.747 mV	670 mV <= x <= 820 mV
Voltage Point A B difference	0.3998896%	x <= 1 %
Voltage difference between Point C and AVG(A,B)/2	1.802842%	x <= 2 %
Voltage difference between Point D and AVG(A,B)/2	0.7095691%	x <= 2 %

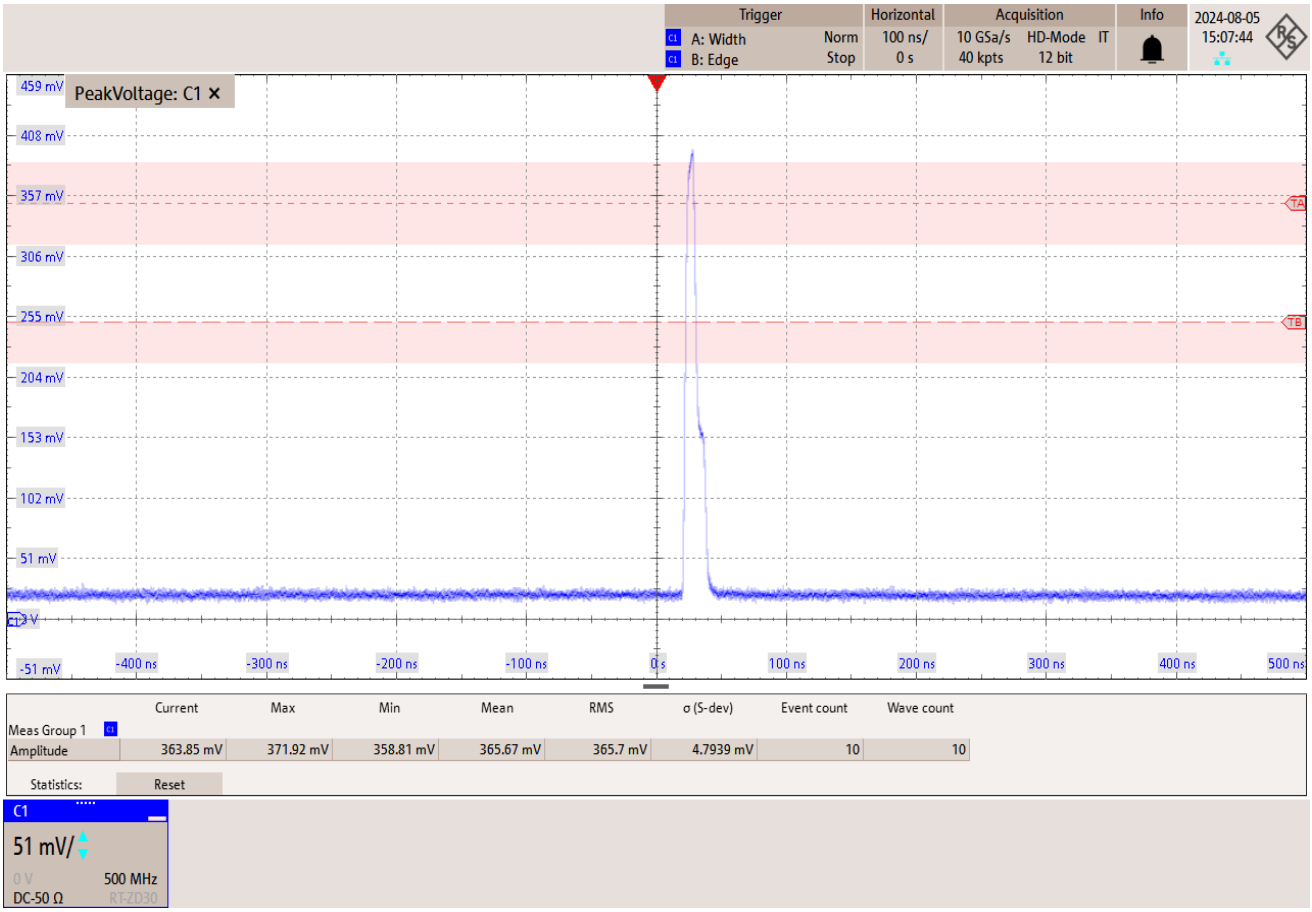
1000BASE-T Peak Voltage No Disturber - 40.6.1.2.1 - Voltage Point A



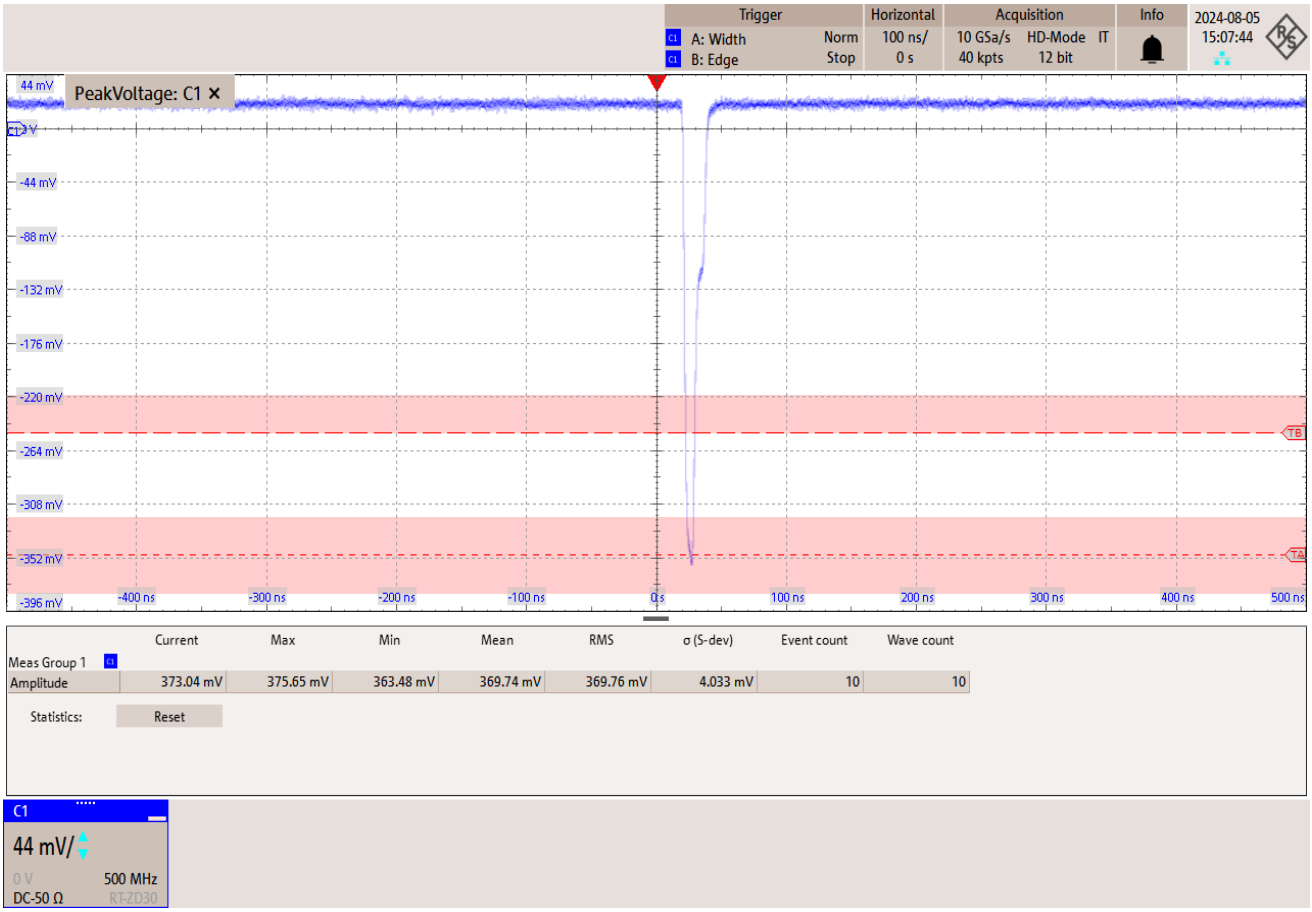
1000BASE-T Peak Voltage No Disturber - 40.6.1.2.1 - Voltage Point B



1000BASE-T Peak Voltage No Disturber - 40.6.1.2.1 - Voltage difference between Point C and AVG(A,B)/2



1000BASE-T Peak Voltage No Disturber - 40.6.1.2.1 - Voltage difference between Point D and AVG(A,B)/2



1000BASE-T Peak Voltage No Disturber - 40.6.1.2.1

Description	Peak Differential Output Voltage and Level Accuracy Test No Disturber
Pair	C
Run	6
Result	Pass
Time	08/05/2024 15:11:40
Comment	

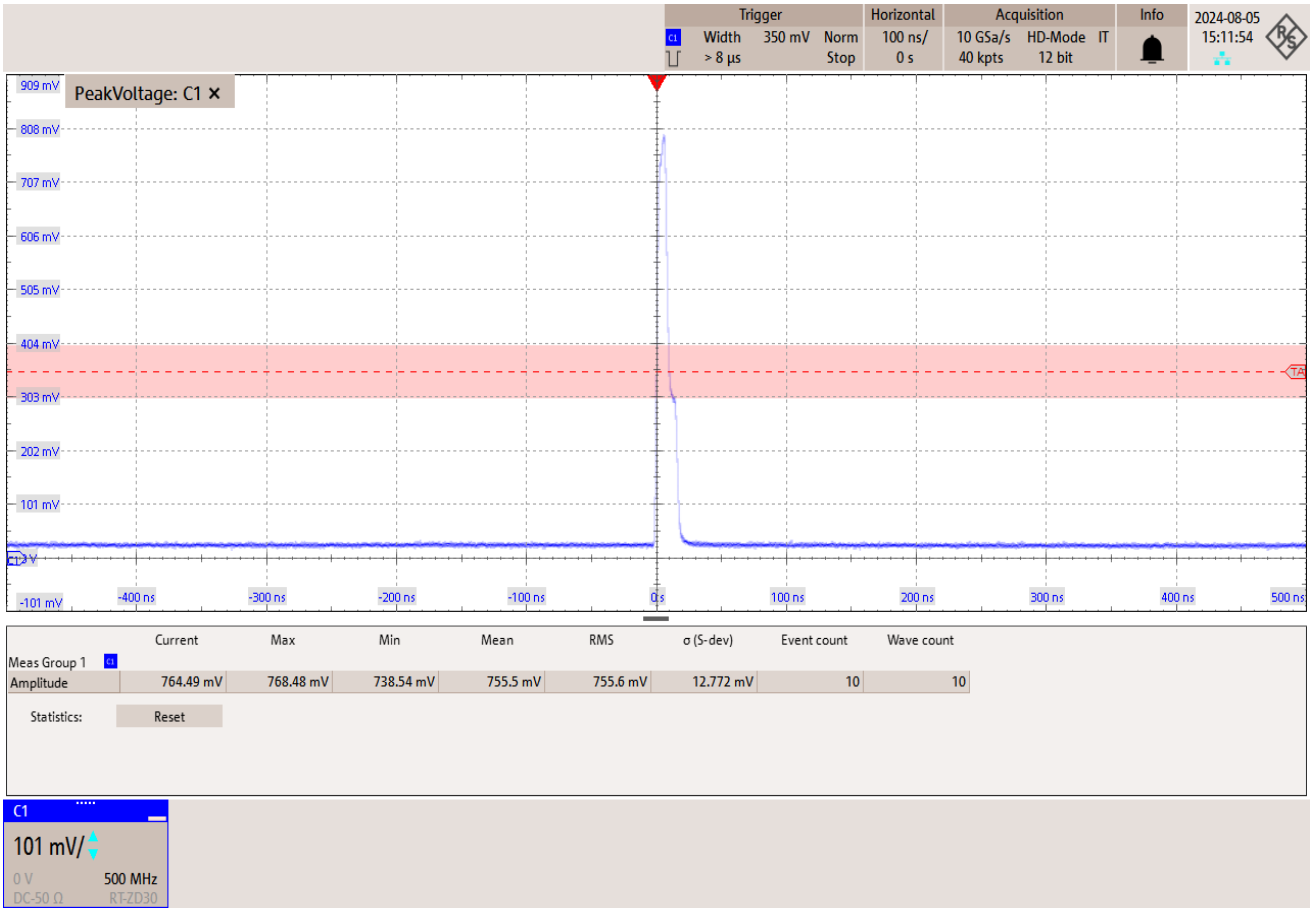
Properties

Name	Value	Name	Value
Average Count	10	Measurement Method	Amplitude
Expert Mode	No		

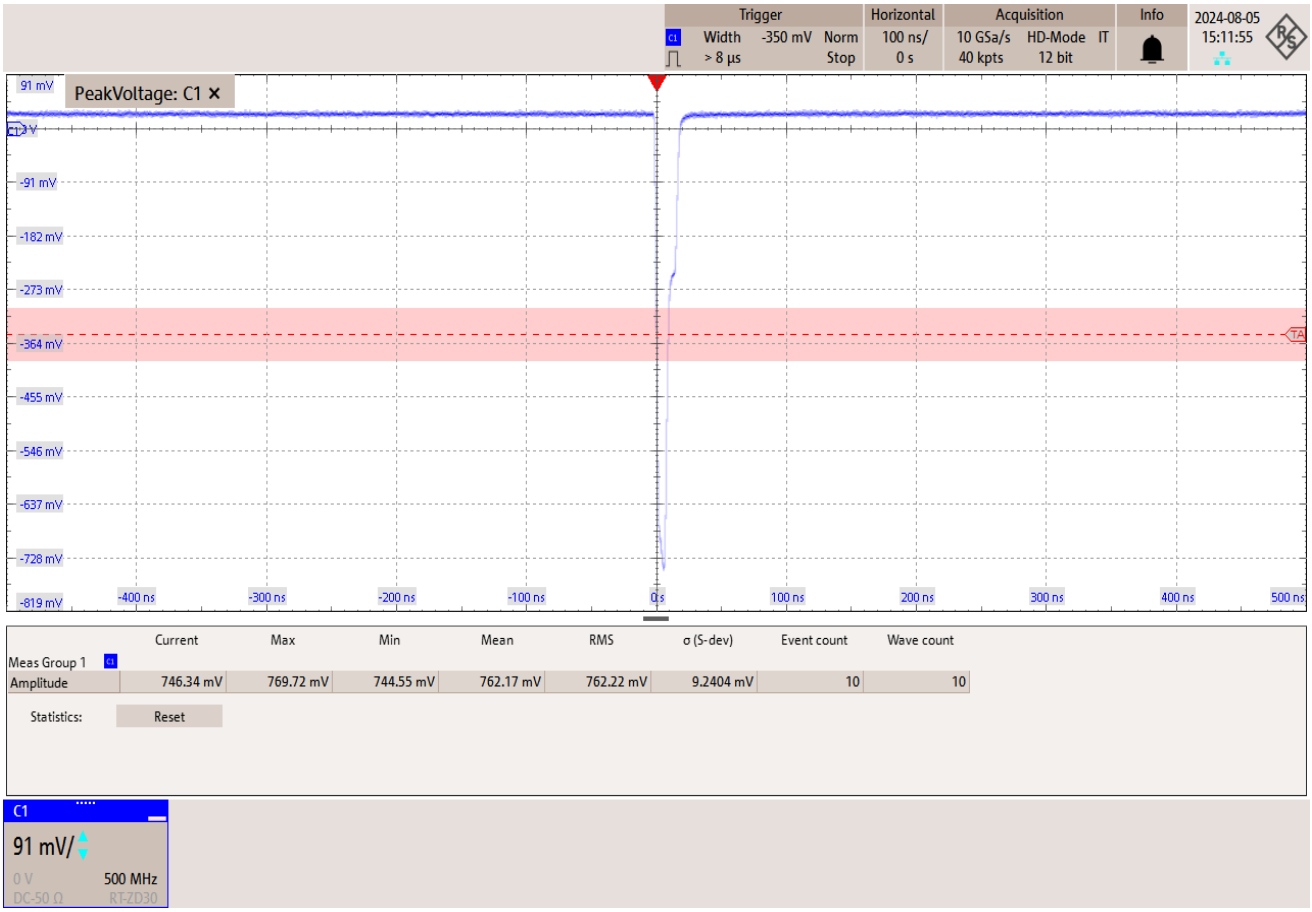
Additional Information

Measurement	Value	Limits
Voltage Point A	755.504 mV	670 mV <= x <= 820 mV
Voltage Point B	762.17 mV	670 mV <= x <= 820 mV
Voltage Point A B difference	0.4382626%	x <= 1 %
Voltage difference between Point C and AVG(A,B)/2	0.5155377%	x <= 2 %
Voltage difference between Point D and AVG(A,B)/2	1.336428%	x <= 2 %

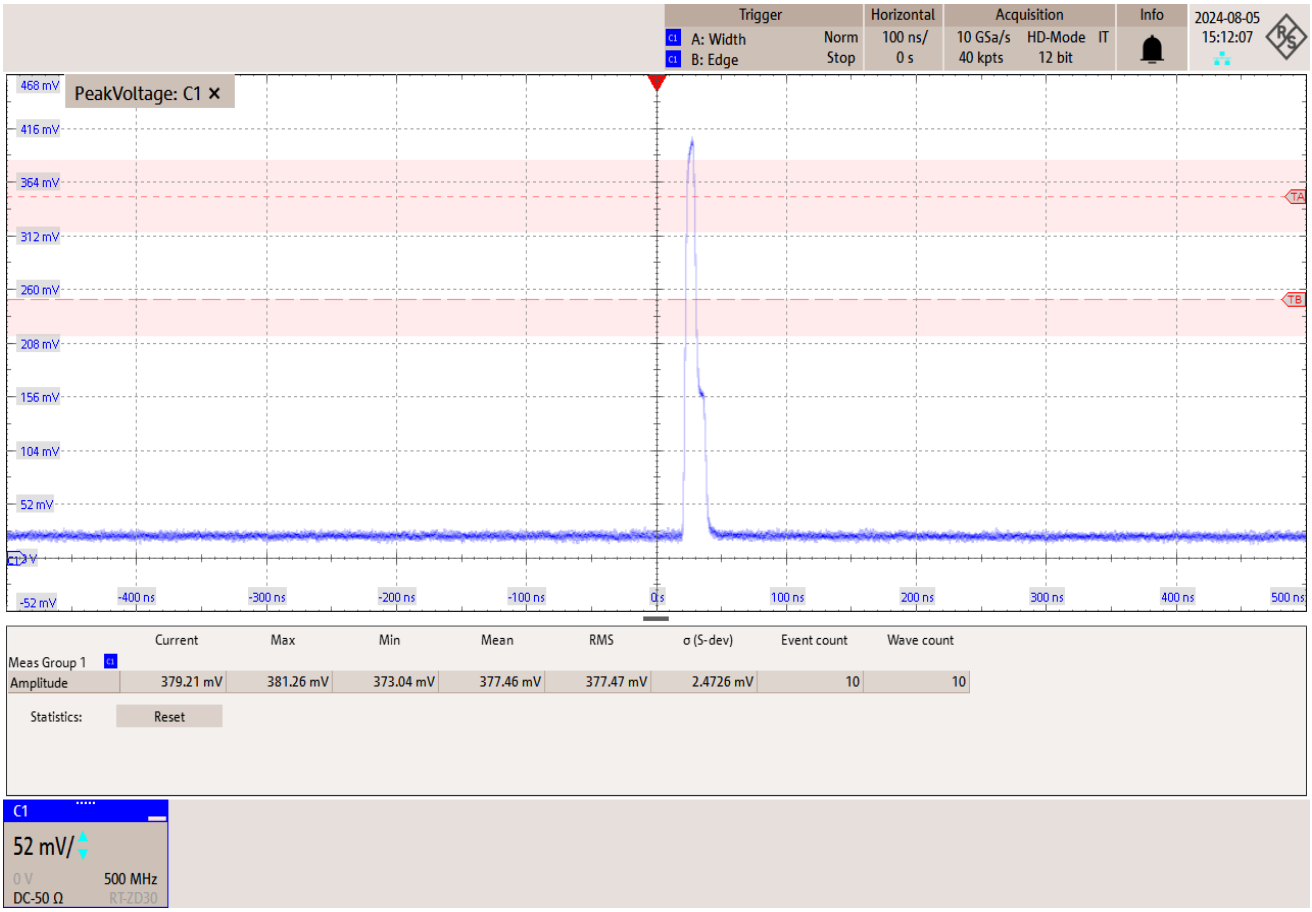
1000BASE-T Peak Voltage No Disturber - 40.6.1.2.1 - Voltage Point A



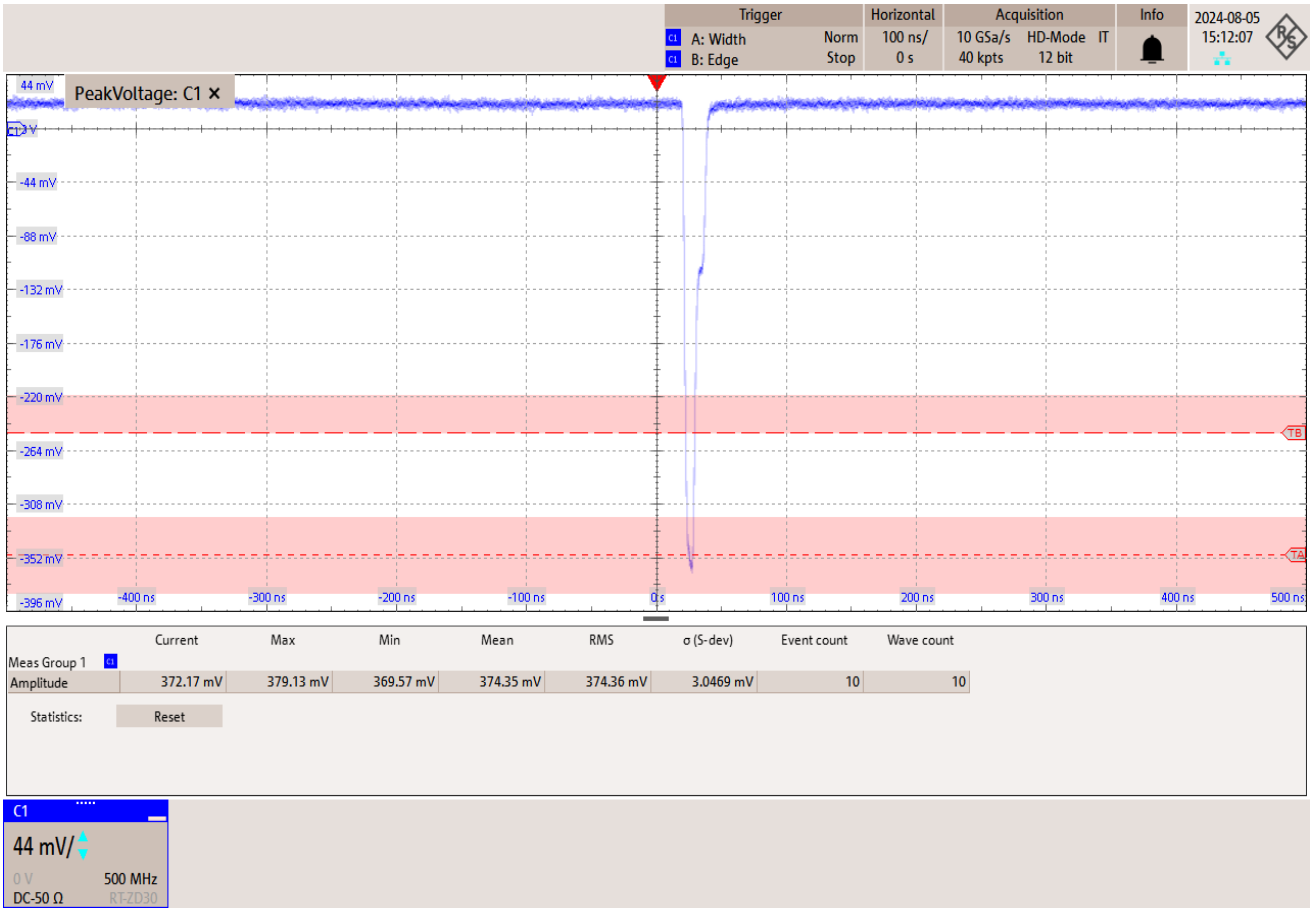
1000BASE-T Peak Voltage No Disturber - 40.6.1.2.1 - Voltage Point B



1000BASE-T Peak Voltage No Disturber - 40.6.1.2.1 - Voltage difference between Point C and AVG(A,B)/2



1000BASE-T Peak Voltage No Disturber - 40.6.1.2.1 - Voltage difference between Point D and AVG(A,B)/2



1000BASE-T Peak Voltage No Disturber - 40.6.1.2.1

Description	Peak Differential Output Voltage and Level Accuracy Test No Disturber
Pair	D
Run	7
Result	Pass
Time	08/05/2024 15:14:45
Comment	

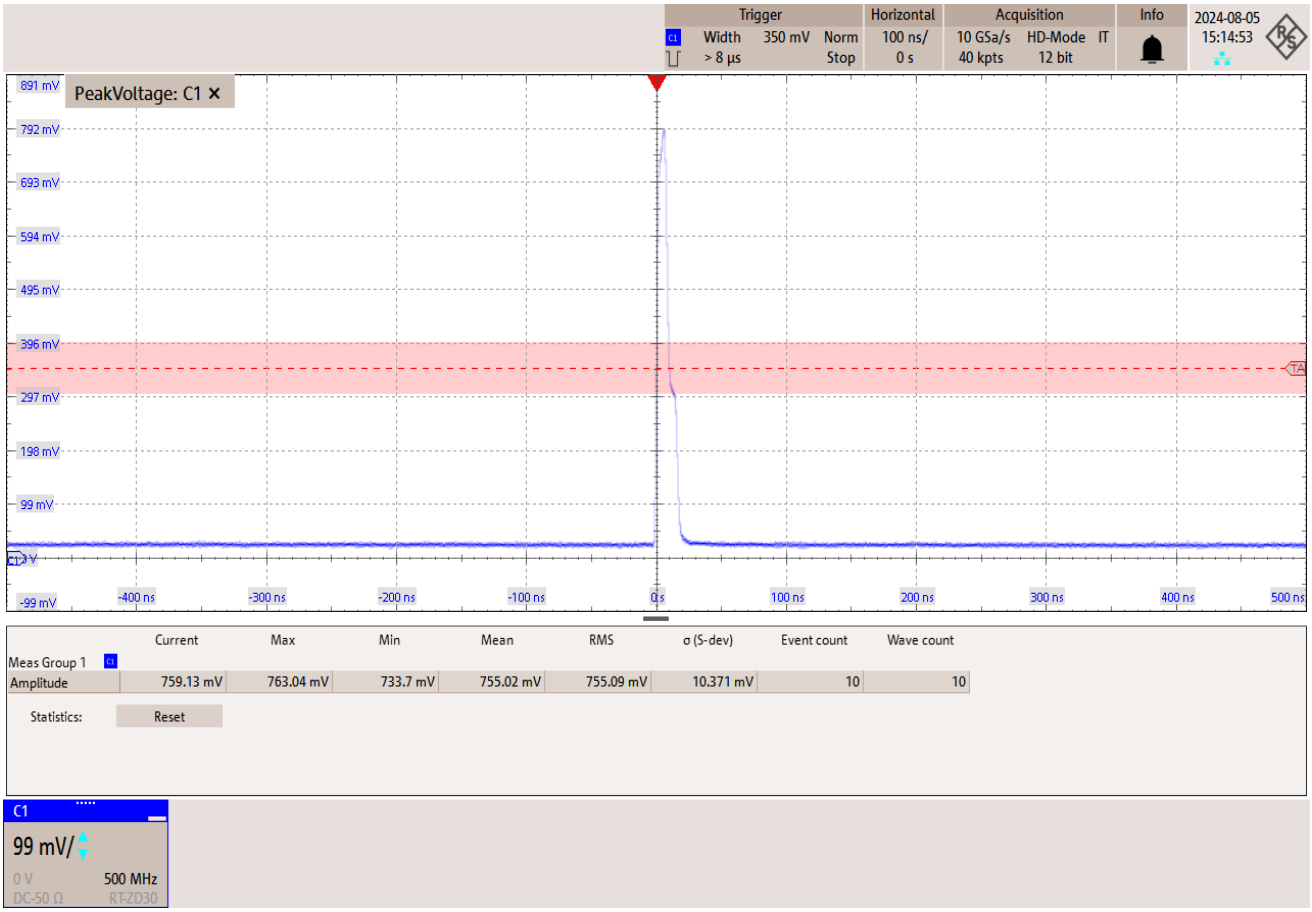
Properties

Name	Value	Name	Value
Average Count	10	Measurement Method	Amplitude
Expert Mode	No		

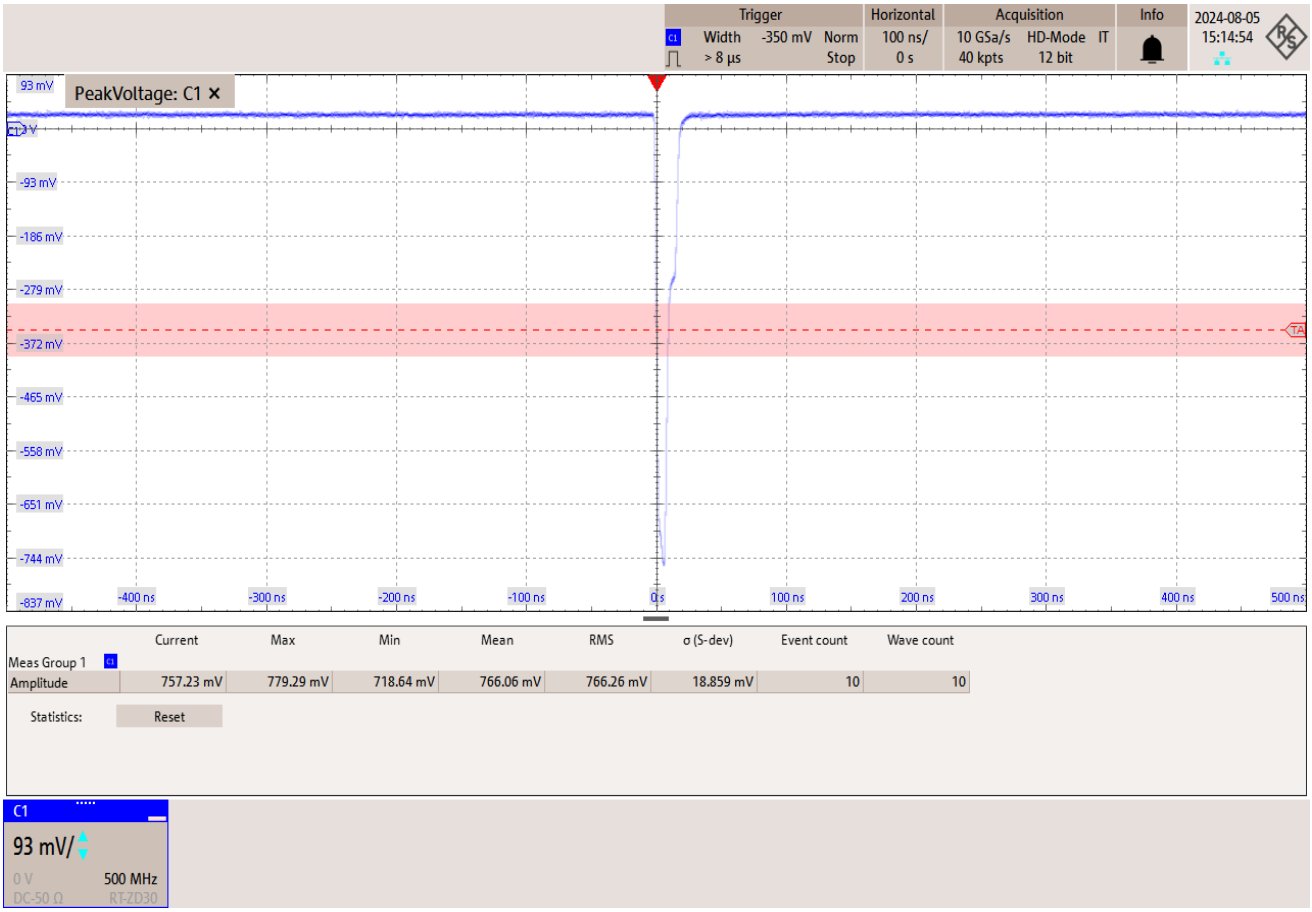
Additional Information

Measurement	Value	Limits
Voltage Point A	755.022 mV	670 mV <= x <= 820 mV
Voltage Point B	766.055 mV	670 mV <= x <= 820 mV
Voltage Point A B difference	0.722759%	x <= 1 %
Voltage difference between Point C and AVG(A,B)/2	1.79884%	x <= 2 %
Voltage difference between Point D and AVG(A,B)/2	0.939762%	x <= 2 %

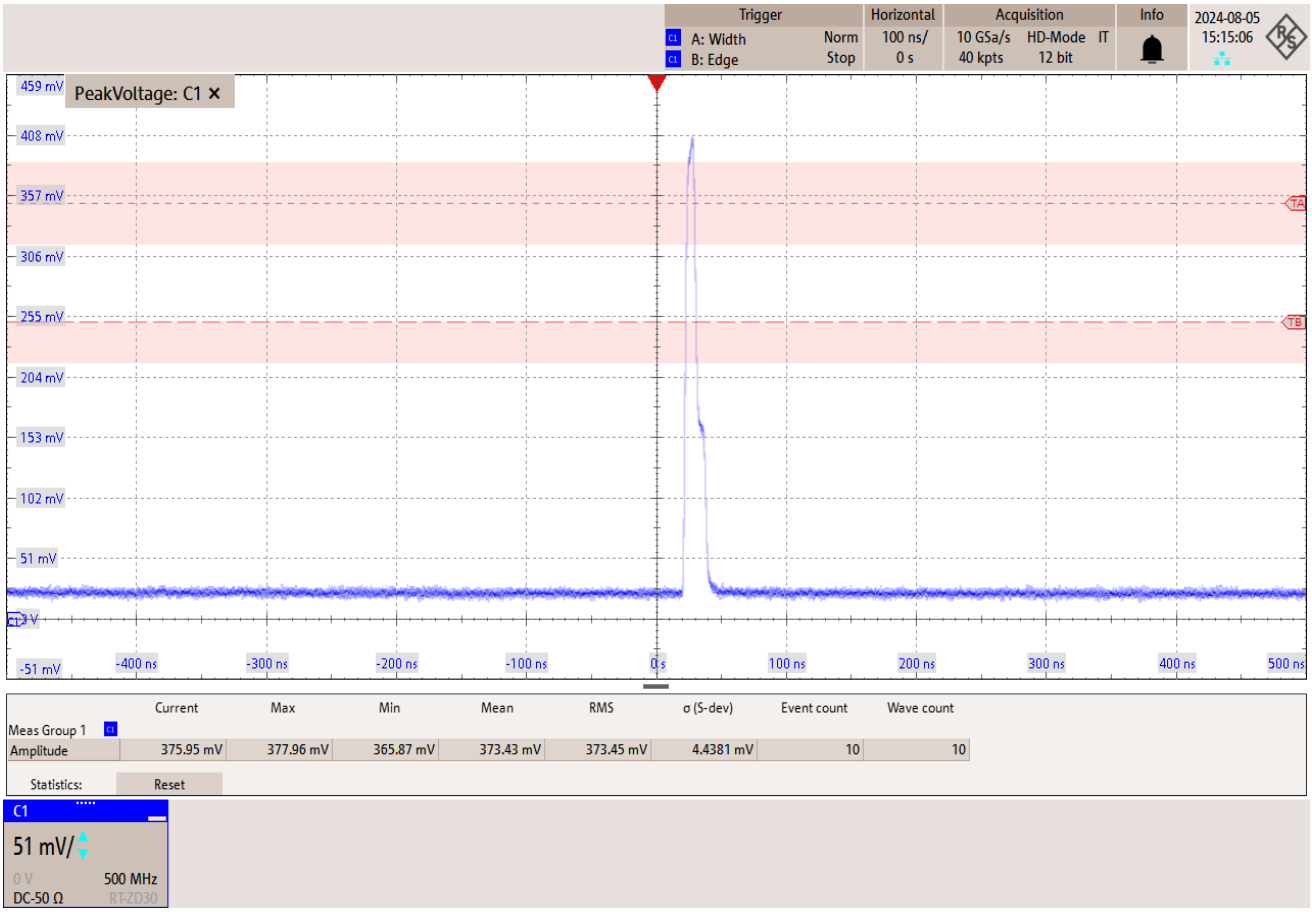
1000BASE-T Peak Voltage No Disturber - 40.6.1.2.1 - Voltage Point A



1000BASE-T Peak Voltage No Disturber - 40.6.1.2.1 - Voltage Point B



1000BASE-T Peak Voltage No Disturber - 40.6.1.2.1 - Voltage difference between Point C and AVG(A,B)/2



1000BASE-T Peak Voltage No Disturber - 40.6.1.2.1 - Voltage difference between Point D and AVG(A,B)/2

1000BASE-T Maximum Output Droop No Disturber - 40.6.1.2.2

Description	Maximum Output Droop
Pair	A
Run	1
Result	Pass
Time	07/30/2024 20:09:59
Comment	

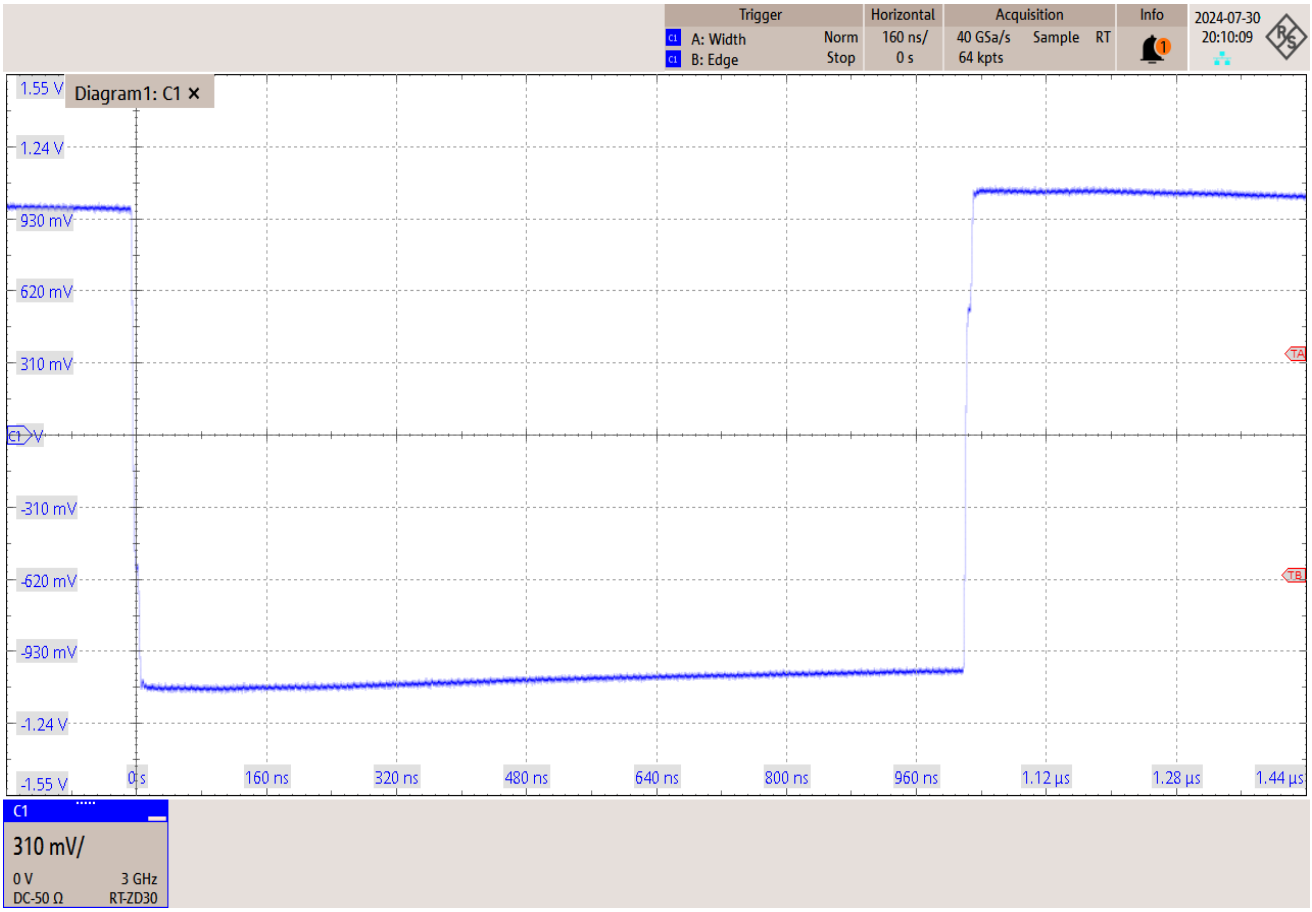
Properties

Name	Value	Name	Value
Average Count	10	Expert Mode	No

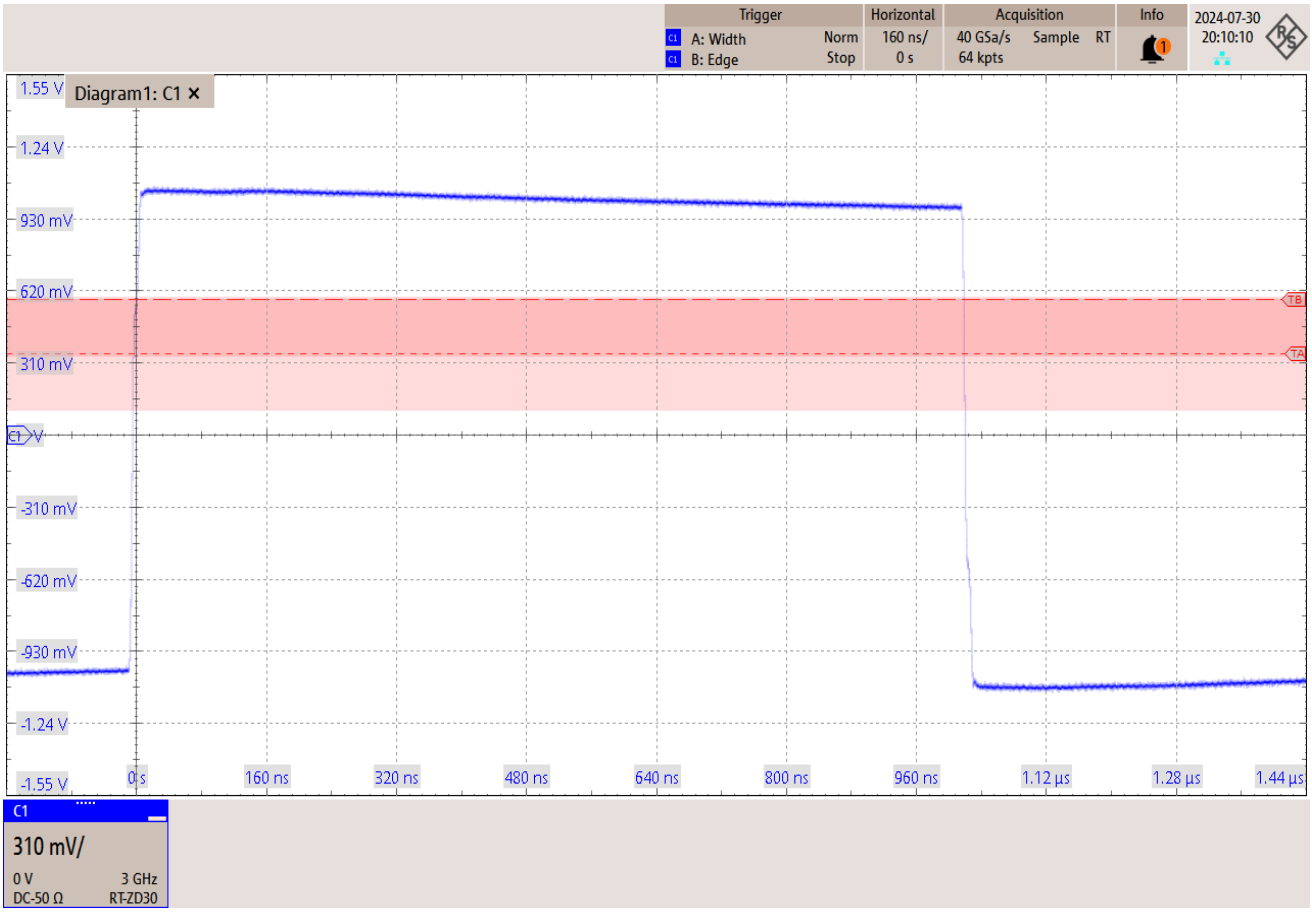
Additional Information

Measurement	Value	Limits
Voltage magnitude at point G versus point F	93.28 %	x >= 73.1 %
Voltage magnitude at point J versus point H	95.29 %	x >= 73.1 %

1000BASE-T Maximum Output Droop No Disturber - 40.6.1.2.2 - Voltage magnitude at point G versus point F



1000BASE-T Maximum Output Droop No Disturber - 40.6.1.2.2 - Voltage magnitude at point J versus point H



1000BASE-T Maximum Output Droop No Disturber - 40.6.1.2.2

Description	Maximum Output Droop
Pair	B
Run	3
Result	Pass
Time	08/05/2024 15:49:11
Comment	

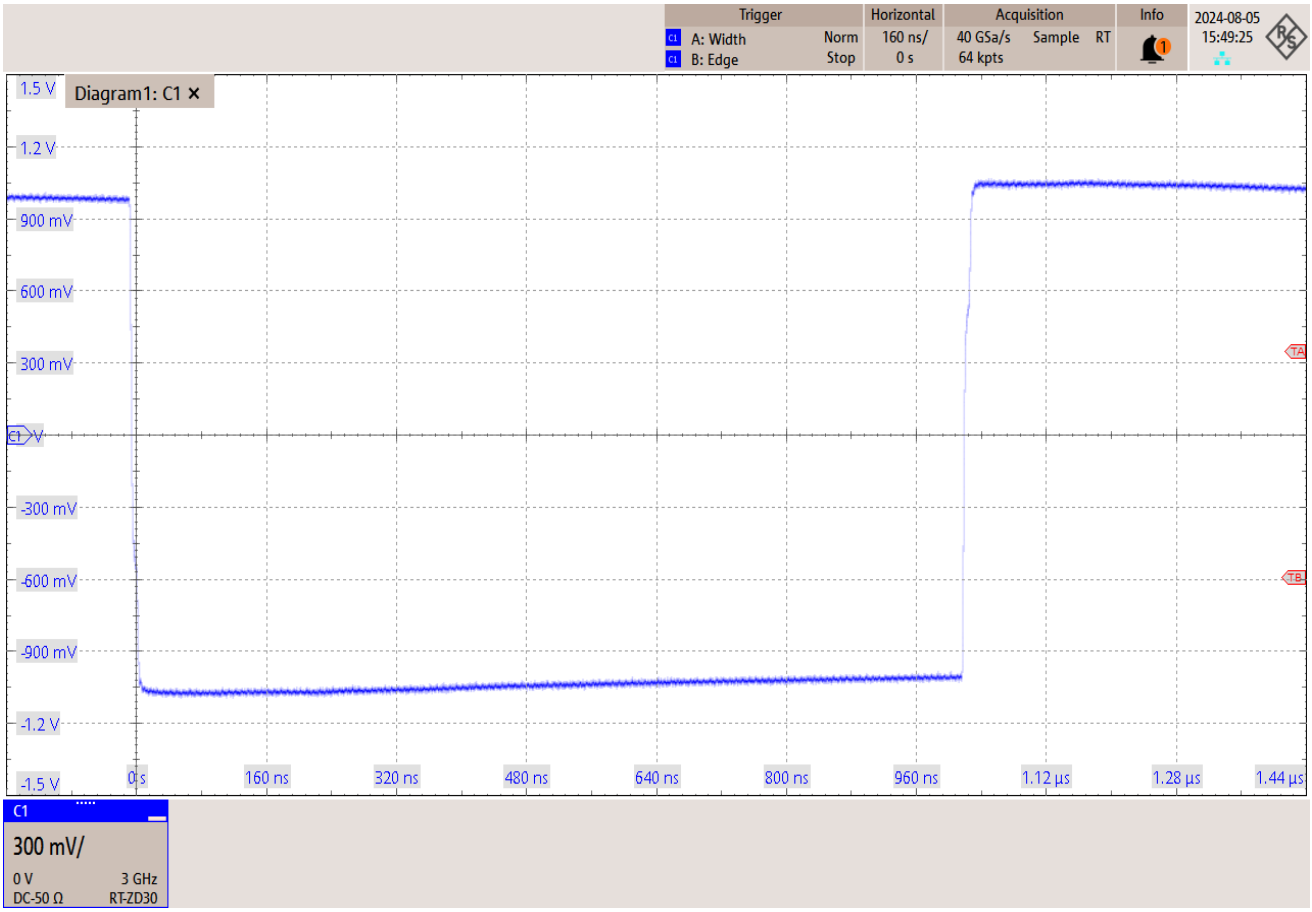
Properties

Name	Value	Name	Value
Average Count	10	Expert Mode	No

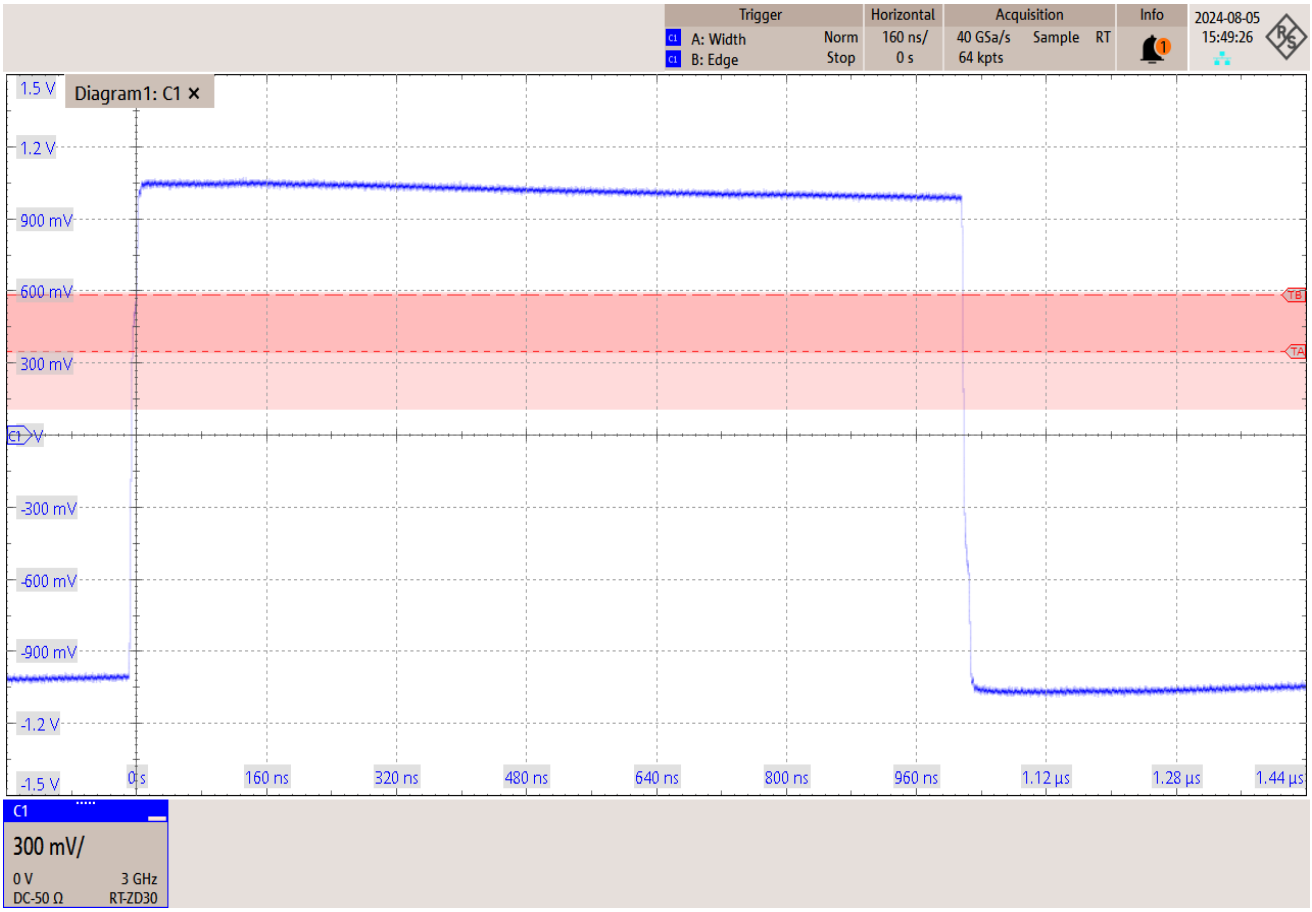
Additional Information

Measurement	Value	Limits
Voltage magnitude at point G versus point F	94.04 %	x >= 73.1 %
Voltage magnitude at point J versus point H	94.33 %	x >= 73.1 %

1000BASE-T Maximum Output Droop No Disturber - 40.6.1.2.2 - Voltage magnitude at point G versus point F



1000BASE-T Maximum Output Droop No Disturber - 40.6.1.2.2 - Voltage magnitude at point J versus point H



1000BASE-T Maximum Output Droop No Disturber - 40.6.1.2.2

Description	Maximum Output Droop
Pair	C
Run	4
Result	Pass
Time	08/05/2024 15:49:34
Comment	

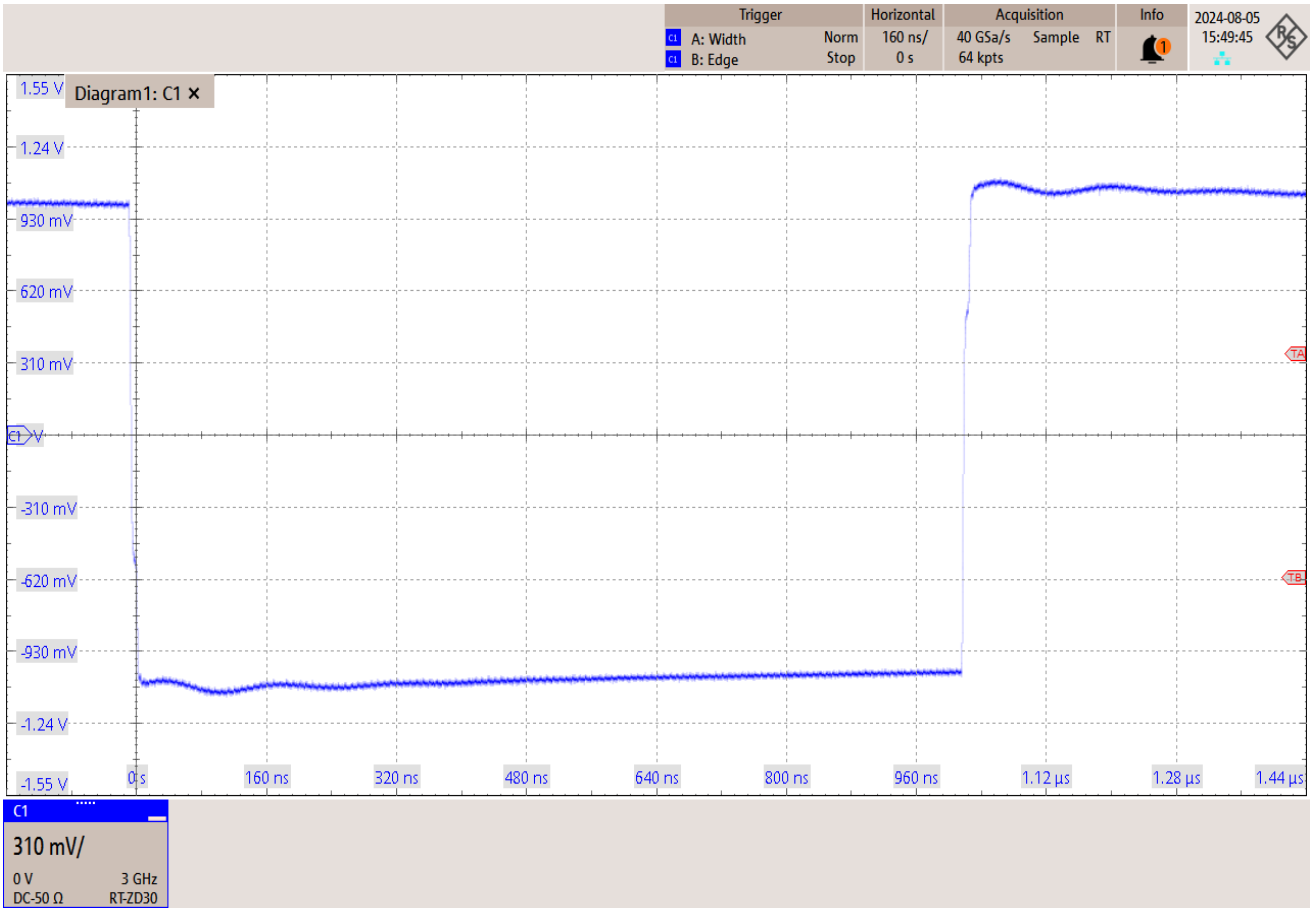
Properties

Name	Value	Name	Value
Average Count	10	Expert Mode	No

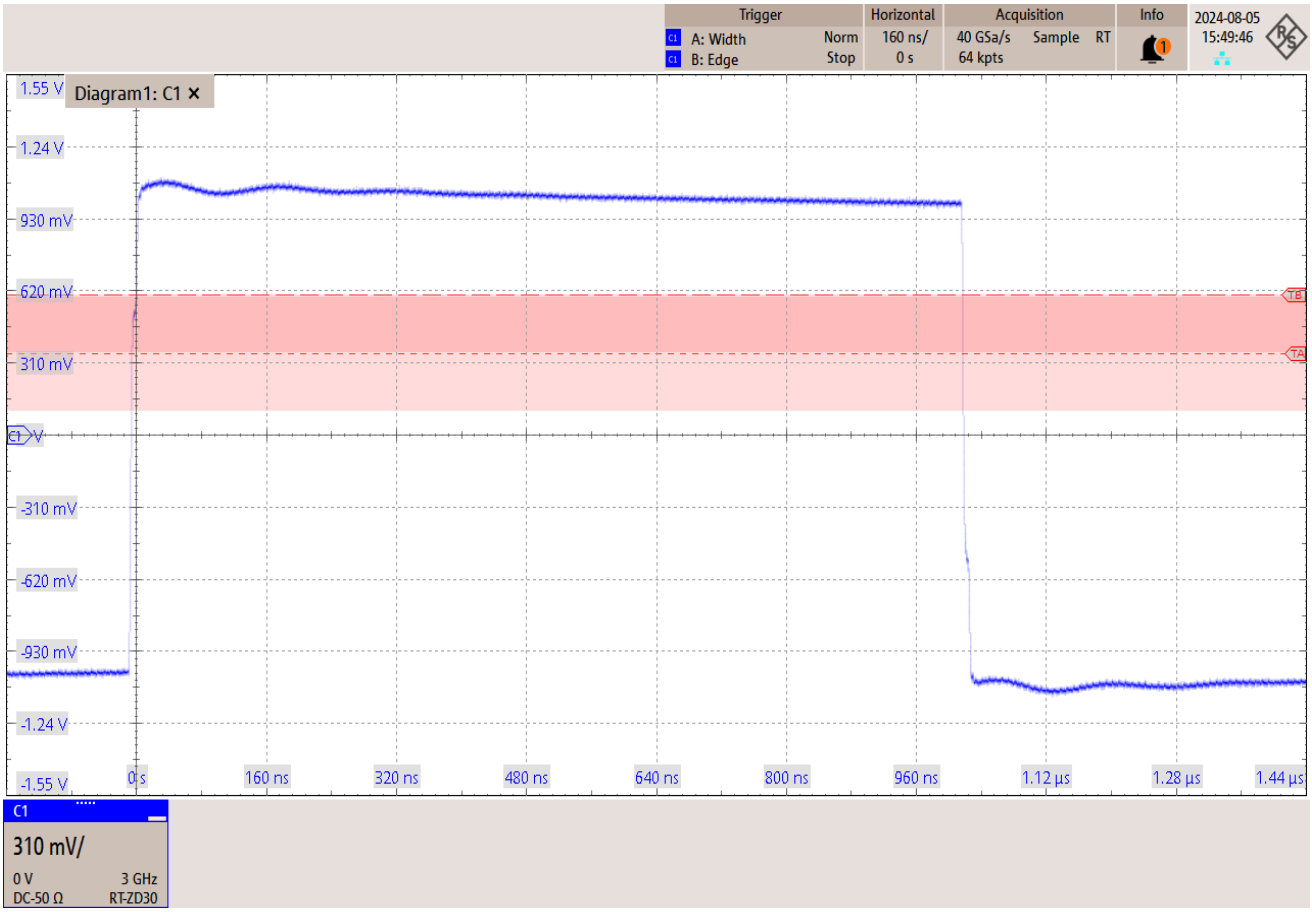
Additional Information

Measurement	Value	Limits
Voltage magnitude at point G versus point F	92.91 %	x >= 73.1 %
Voltage magnitude at point J versus point H	92.48 %	x >= 73.1 %

1000BASE-T Maximum Output Droop No Disturber - 40.6.1.2.2 - Voltage magnitude at point G versus point F



1000BASE-T Maximum Output Droop No Disturber - 40.6.1.2.2 - Voltage magnitude at point J versus point H



1000BASE-T Maximum Output Droop No Disturber - 40.6.1.2.2

Description	Maximum Output Droop
Pair	D
Run	5
Result	Pass
Time	08/05/2024 15:49:56
Comment	

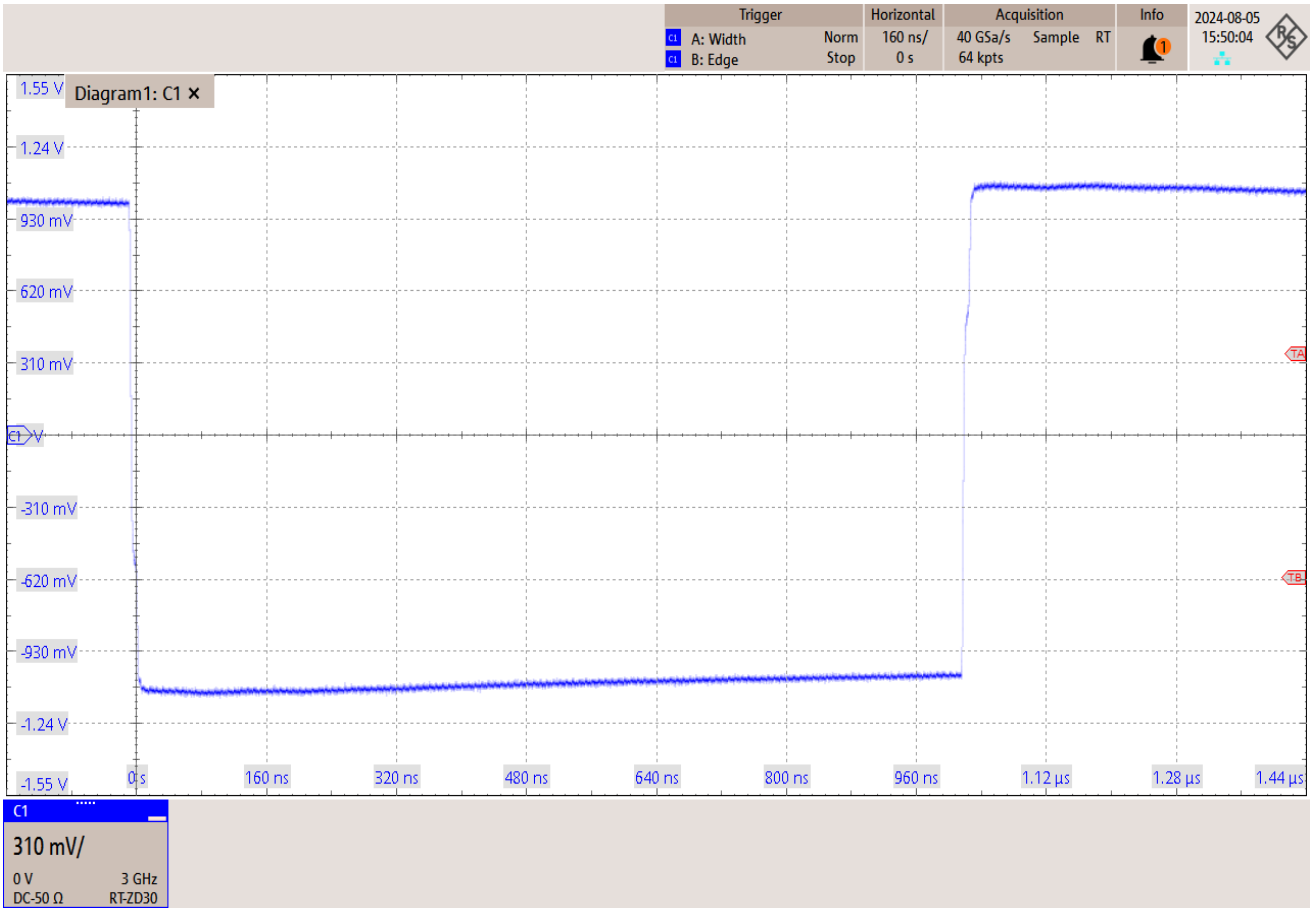
Properties

Name	Value	Name	Value
Average Count	10	Expert Mode	No

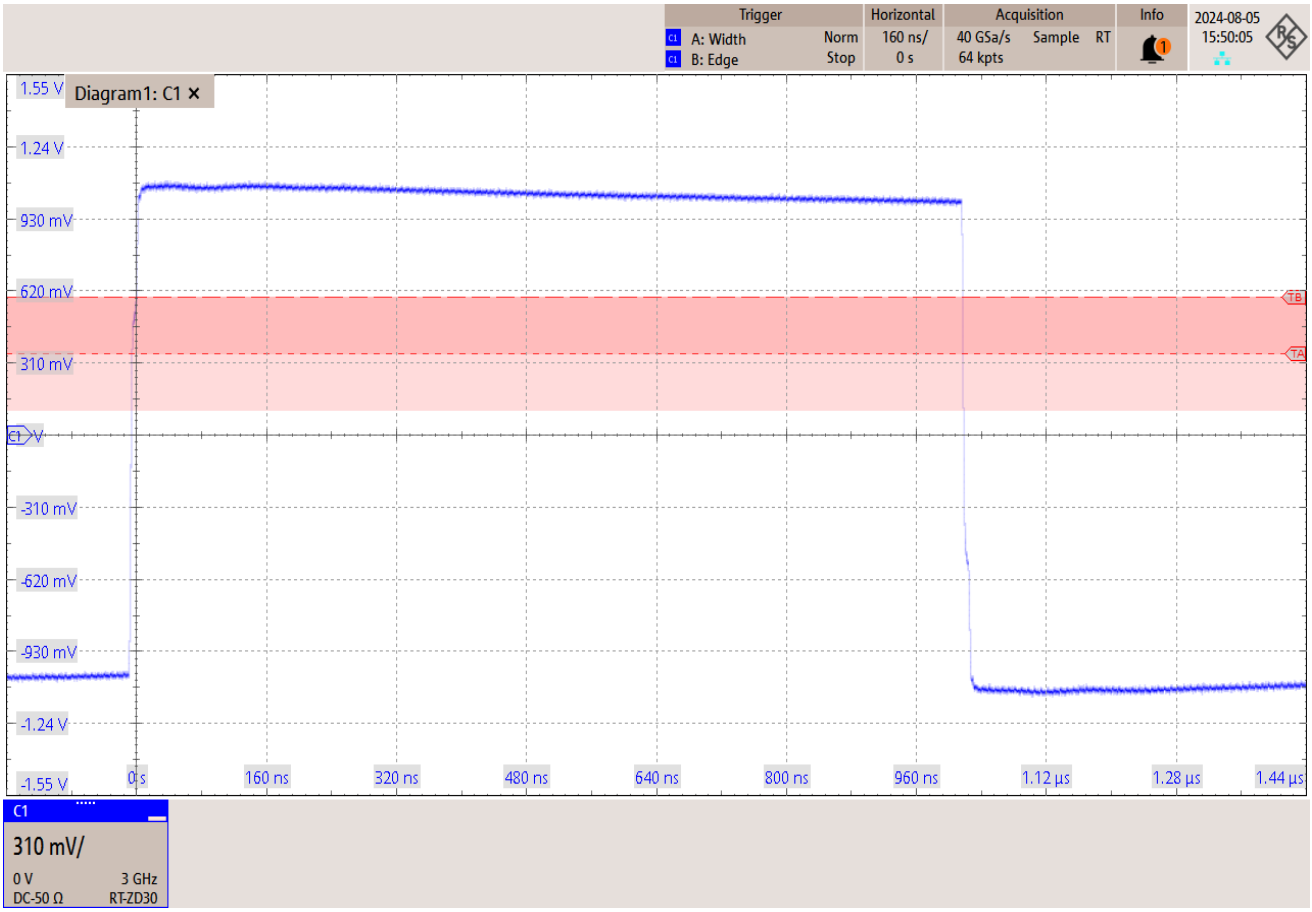
Additional Information

Measurement	Value	Limits
Voltage magnitude at point G versus point F	93.49 %	x >= 73.1 %
Voltage magnitude at point J versus point H	94.05 %	x >= 73.1 %

1000BASE-T Maximum Output Droop No Disturber - 40.6.1.2.2 - Voltage magnitude at point G versus point F



1000BASE-T Maximum Output Droop No Disturber - 40.6.1.2.2 - Voltage magnitude at point J versus point H



1000BASE-T Differential Output Templates No Disturber - 40.6.1.2.3

Description	Normalized Time Domain Transmit Template
Pair	A
Run	1
Result	Pass
Time	07/30/2024 20:10:23
Comment	

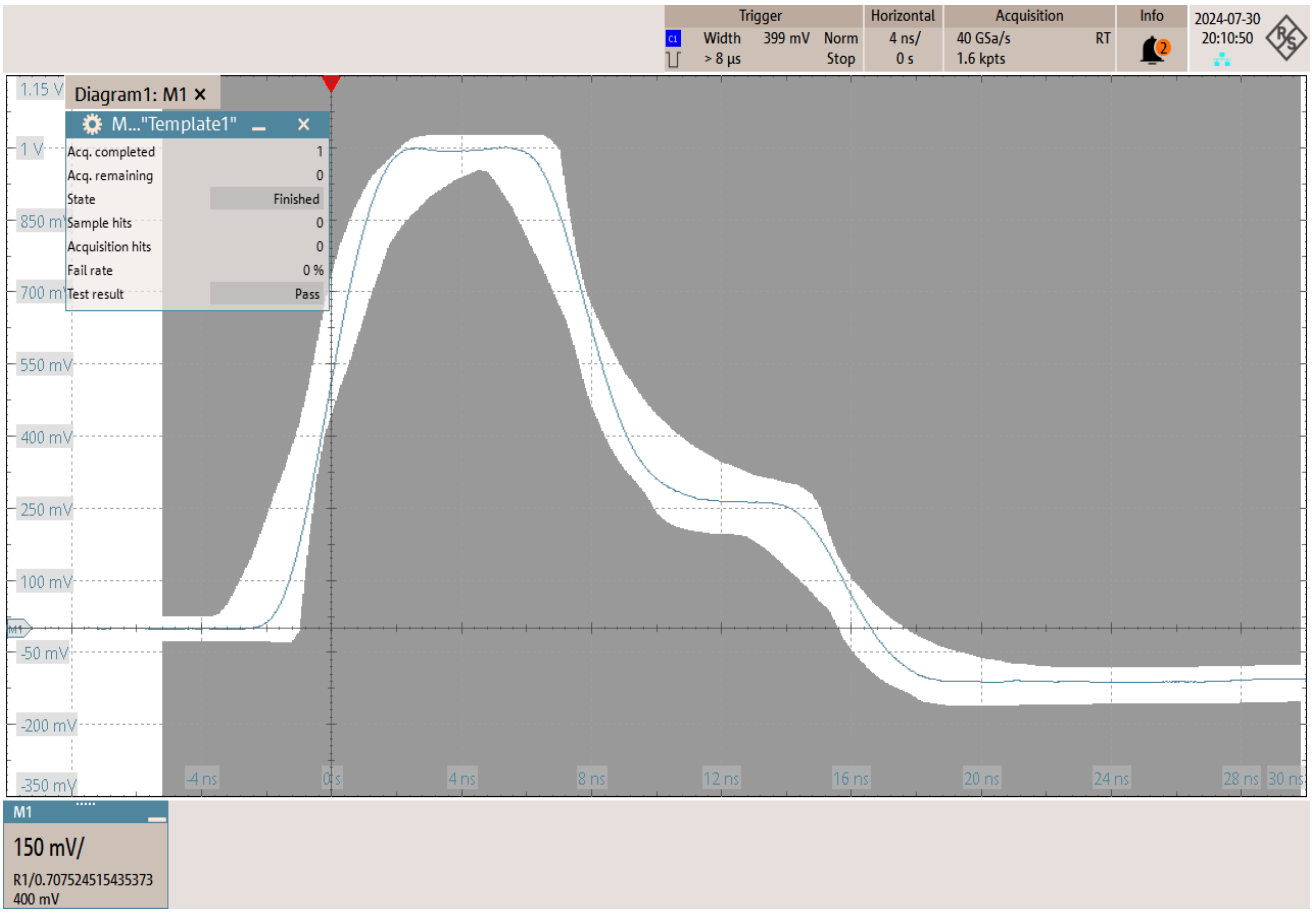
Properties

Name	Value	Name	Value
Average Count	10	Expert Mode	No

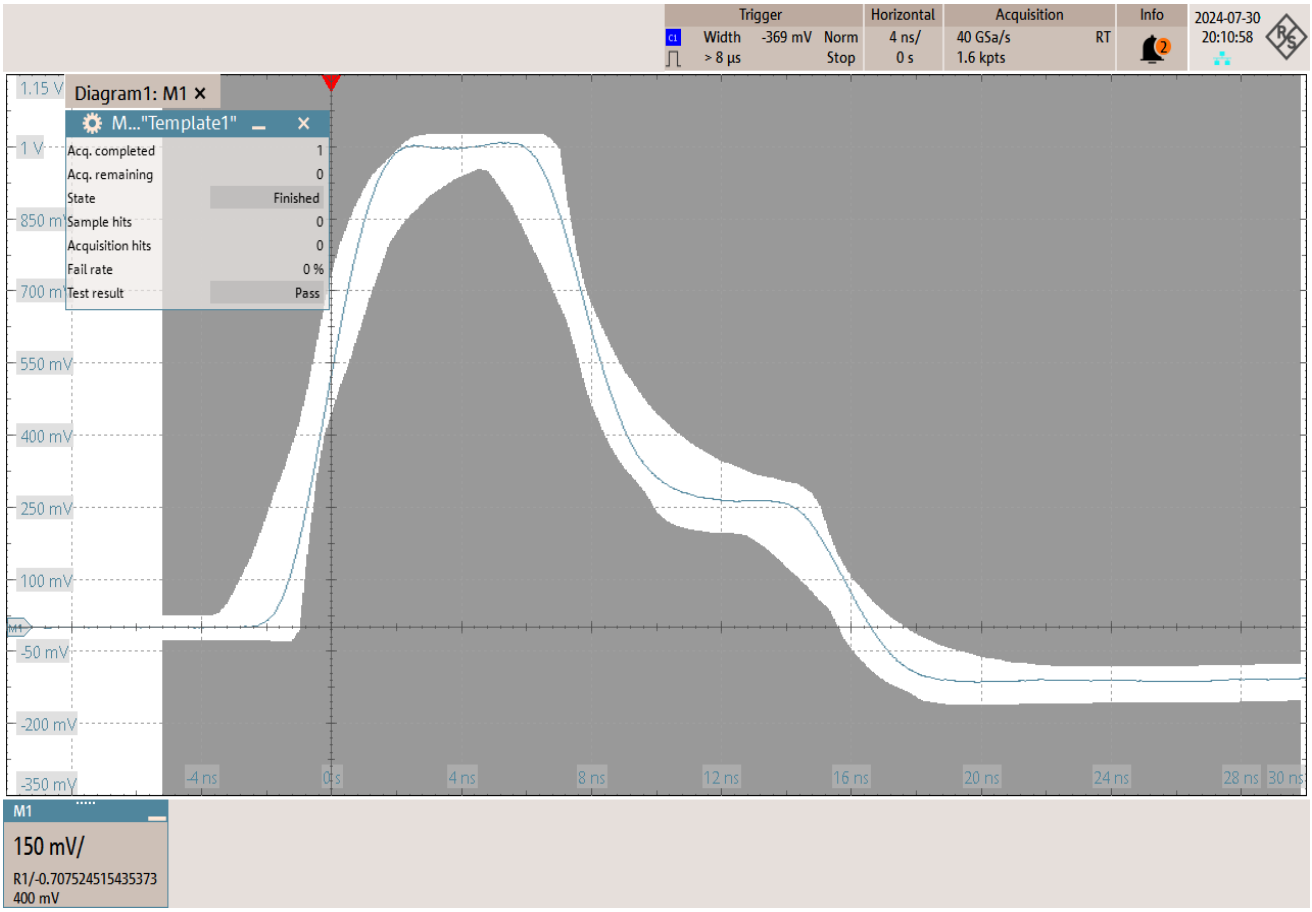
Additional Information

Measurement	Value	Limits
Point A mask	Pass	Meet normalized time domain voltage template 1
Point A normalized time domain voltage template 1 violation points	0	x = 0 Violation Point
Point B mask	Pass	Meet normalized time domain voltage template 1
Point B normalized time domain voltage template 1 violation points	0	x = 0 Violation Point
Point C mask	Pass	Meet normalized time domain voltage template 1
Point C normalized time domain voltage template 1 violation points	0	x = 0 Violation Point
Point D mask	Pass	Meet normalized time domain voltage template 1
Point D normalized time domain voltage template 1 violation points	0	x = 0 Violation Point
Point F mask	Pass	Meet normalized time domain voltage template 2
Point F normalized time domain voltage template 2 violation points	0	x = 0 Violation Point
Point H mask	Pass	Meet normalized time domain voltage template 2
Point H normalized time domain voltage template 2 violation points	0	x = 0 Violation Point

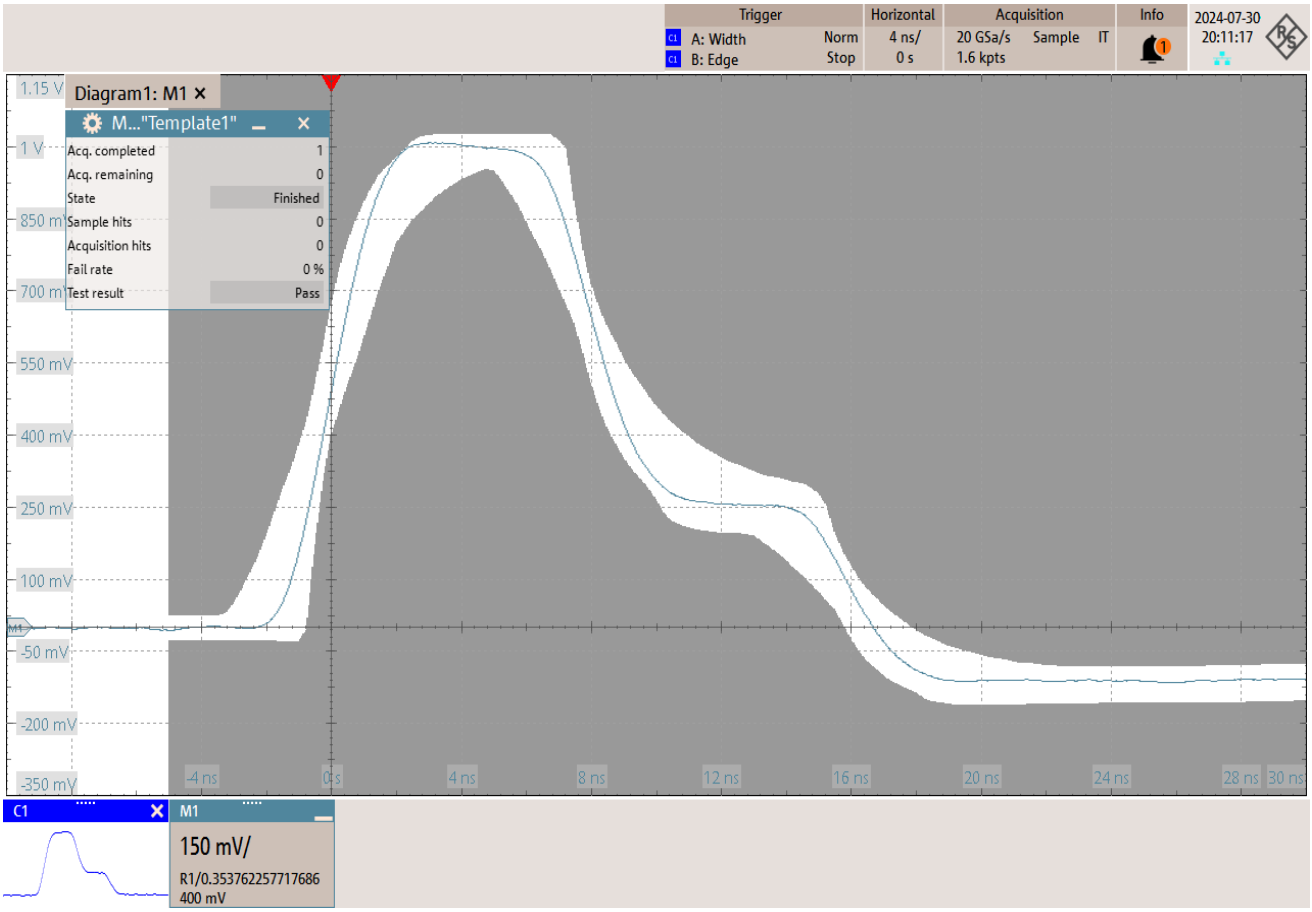
1000BASE-T Differential Output Templates No Disturber - 40.6.1.2.3 - Point A mask



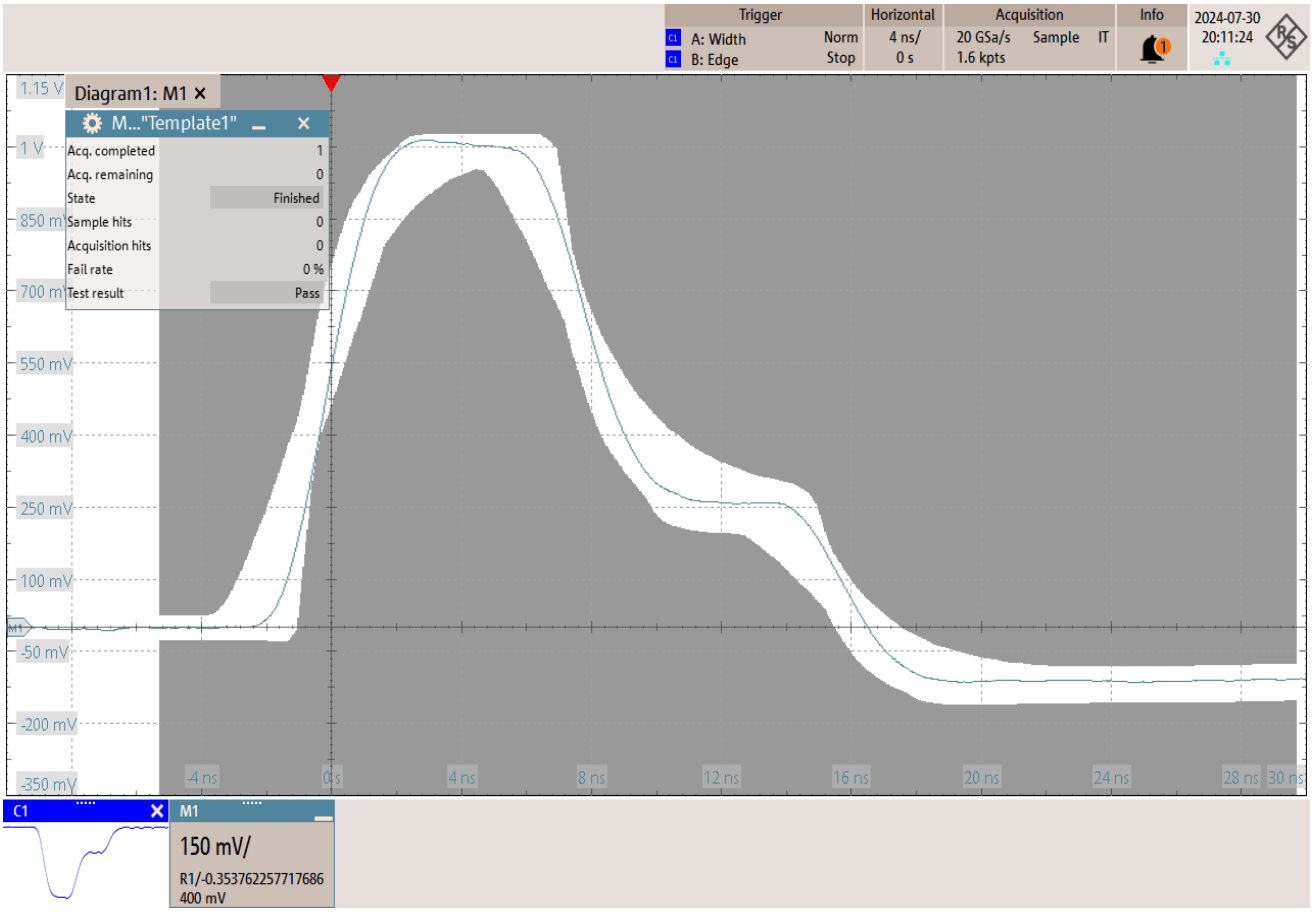
1000BASE-T Differential Output Templates No Disturber - 40.6.1.2.3 - Point B mask



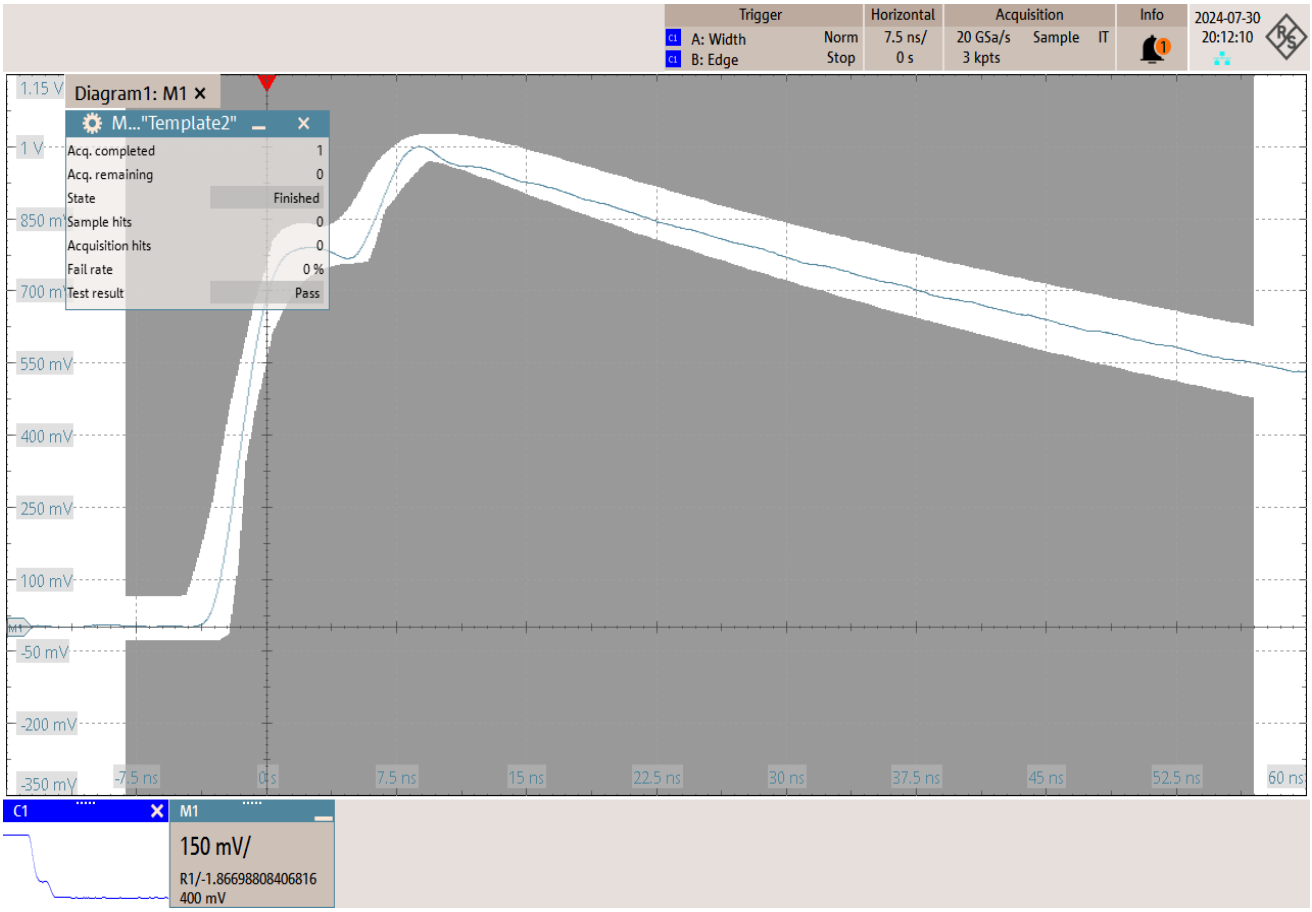
1000BASE-T Differential Output Templates No Disturber - 40.6.1.2.3 - Point C mask



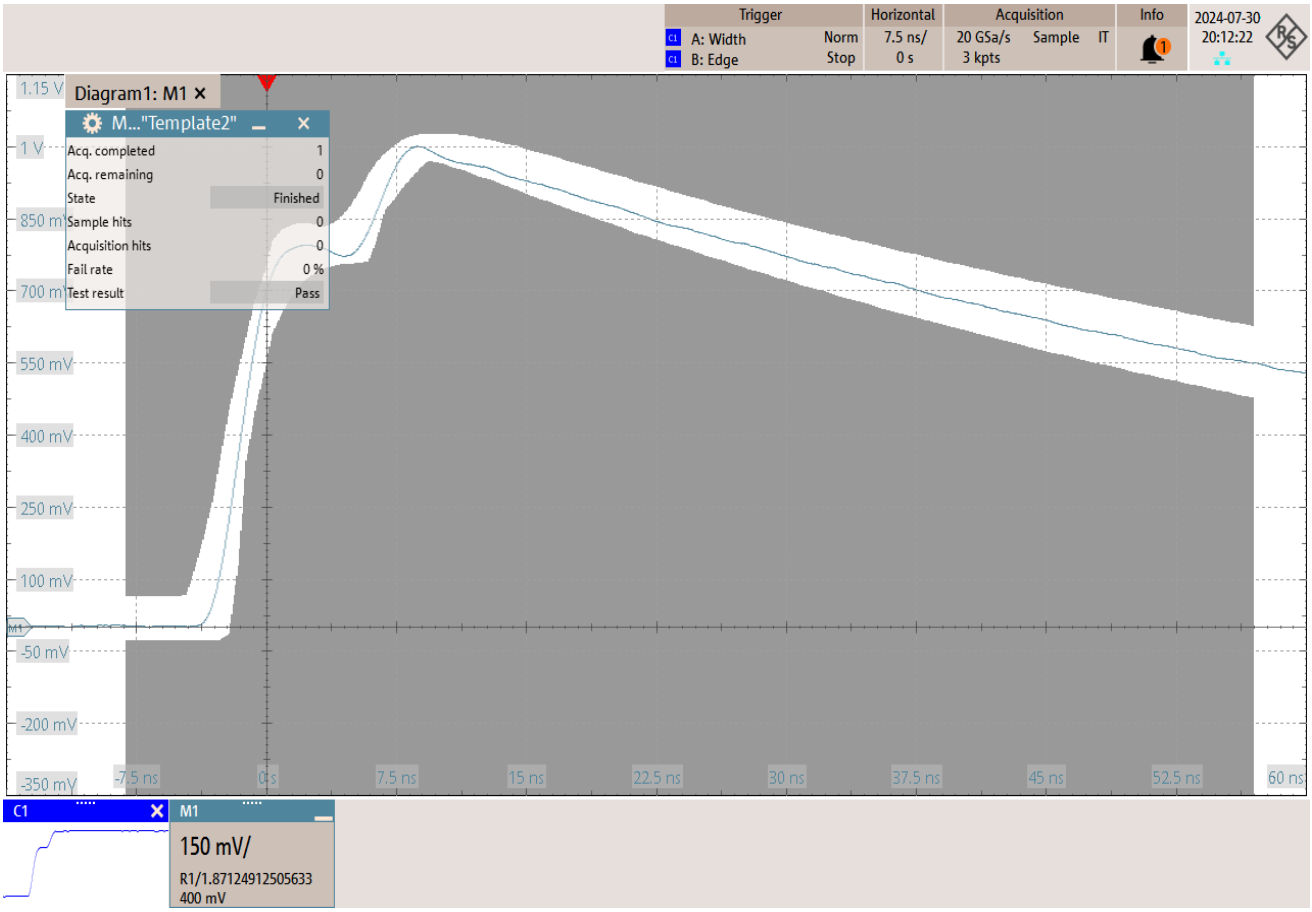
1000BASE-T Differential Output Templates No Disturber - 40.6.1.2.3 - Point D mask



1000BASE-T Differential Output Templates No Disturber - 40.6.1.2.3 - Point F mask



1000BASE-T Differential Output Templates No Disturber - 40.6.1.2.3 - Point H mask



1000BASE-T Differential Output Templates No Disturber - 40.6.1.2.3

Description	Normalized Time Domain Transmit Template
Pair	B
Run	2
Result	Pass
Time	08/05/2024 15:08:22
Comment	

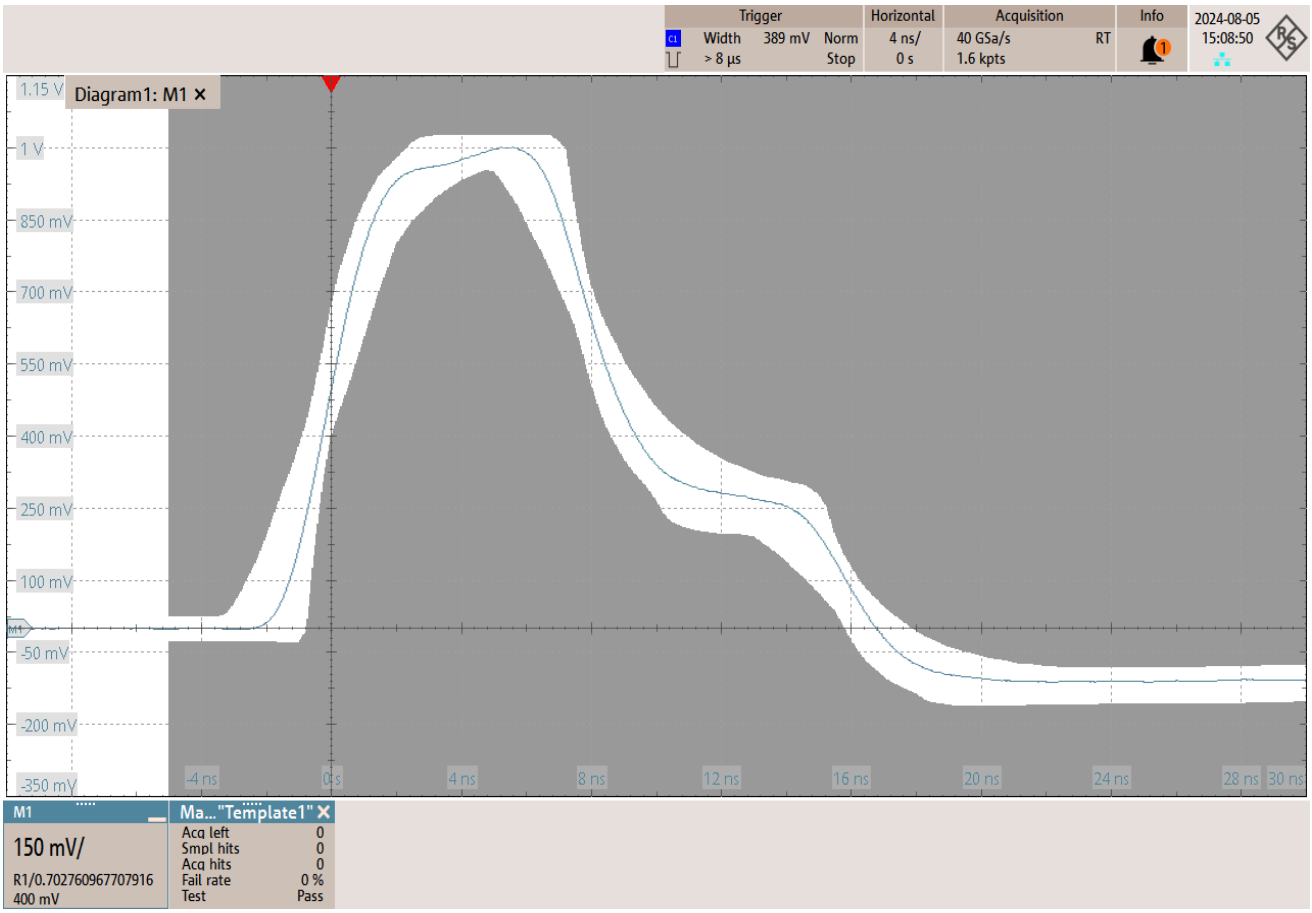
Properties

Name	Value	Name	Value
Average Count	10	Expert Mode	No

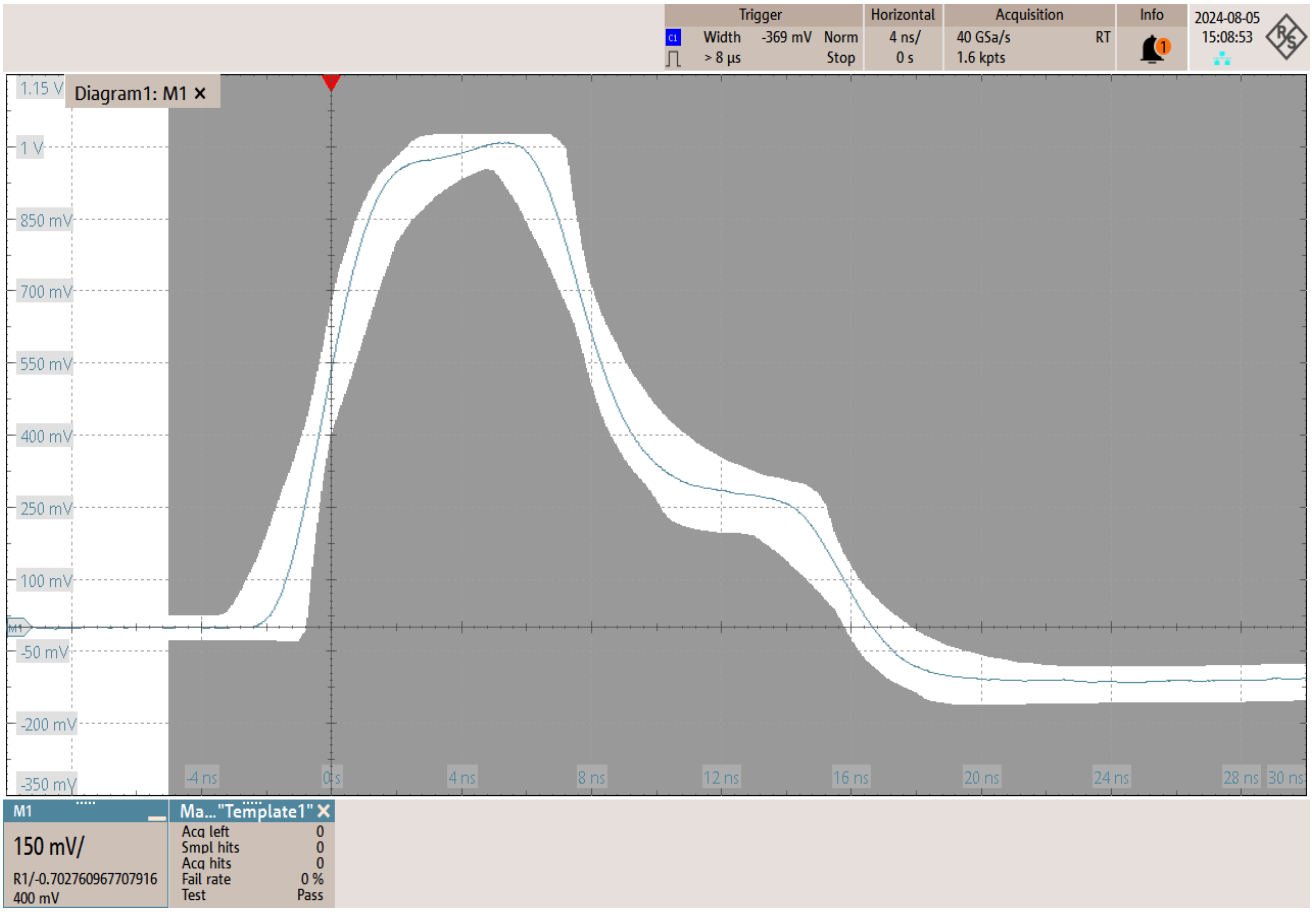
Additional Information

Measurement	Value	Limits
Point A mask	Pass	Meet normalized time domain voltage template 1
Point A normalized time domain voltage template 1 violation points	0	x = 0 Violation Point
Point B mask	Pass	Meet normalized time domain voltage template 1
Point B normalized time domain voltage template 1 violation points	0	x = 0 Violation Point
Point C mask	Pass	Meet normalized time domain voltage template 1
Point C normalized time domain voltage template 1 violation points	0	x = 0 Violation Point
Point D mask	Pass	Meet normalized time domain voltage template 1
Point D normalized time domain voltage template 1 violation points	0	x = 0 Violation Point
Point F mask	Pass	Meet normalized time domain voltage template 2
Point F normalized time domain voltage template 2 violation points	0	x = 0 Violation Point
Point H mask	Pass	Meet normalized time domain voltage template 2
Point H normalized time domain voltage template 2 violation points	0	x = 0 Violation Point

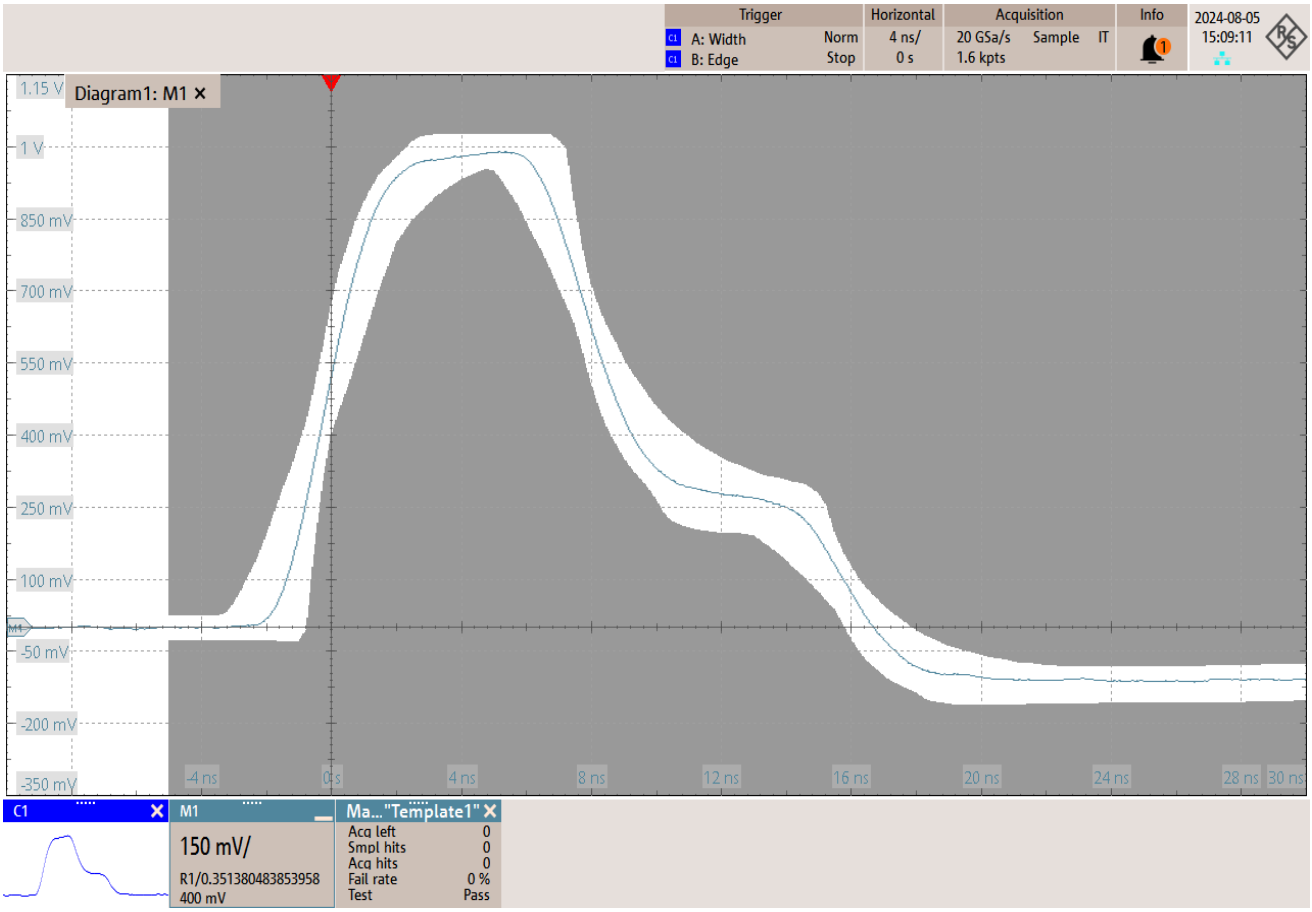
1000BASE-T Differential Output Templates No Disturber - 40.6.1.2.3 - Point A mask



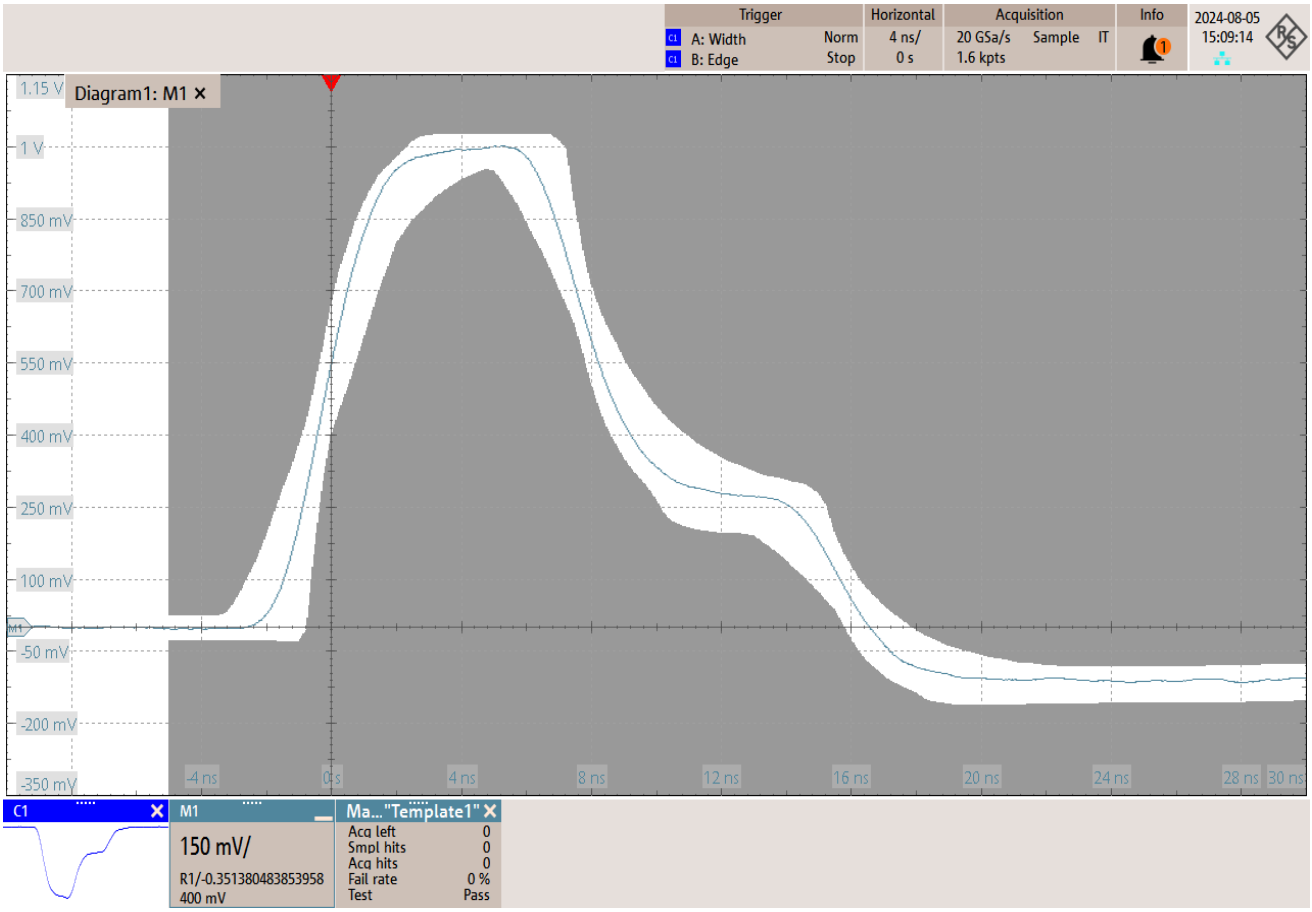
1000BASE-T Differential Output Templates No Disturber - 40.6.1.2.3 - Point B mask



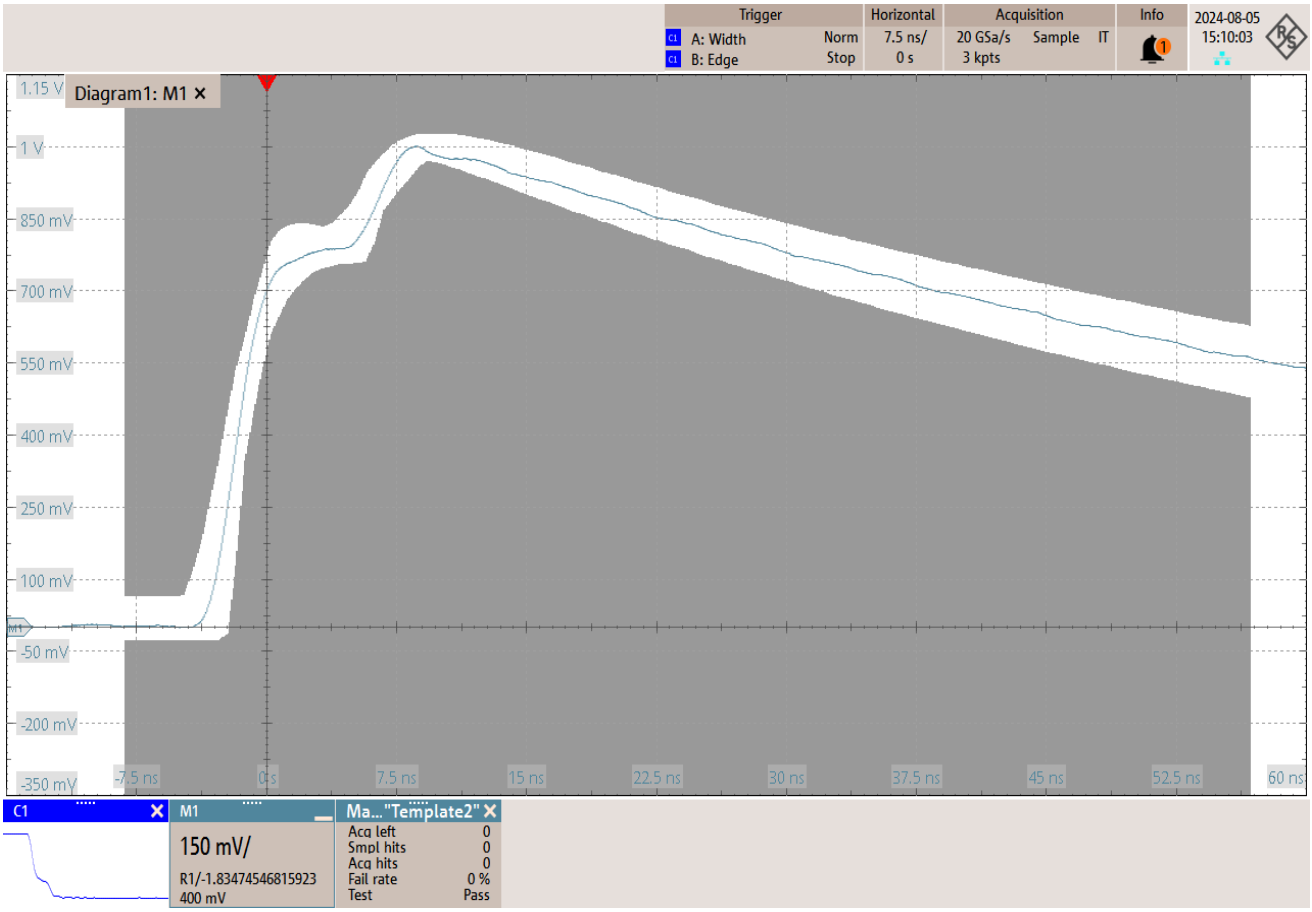
1000BASE-T Differential Output Templates No Disturber - 40.6.1.2.3 - Point C mask



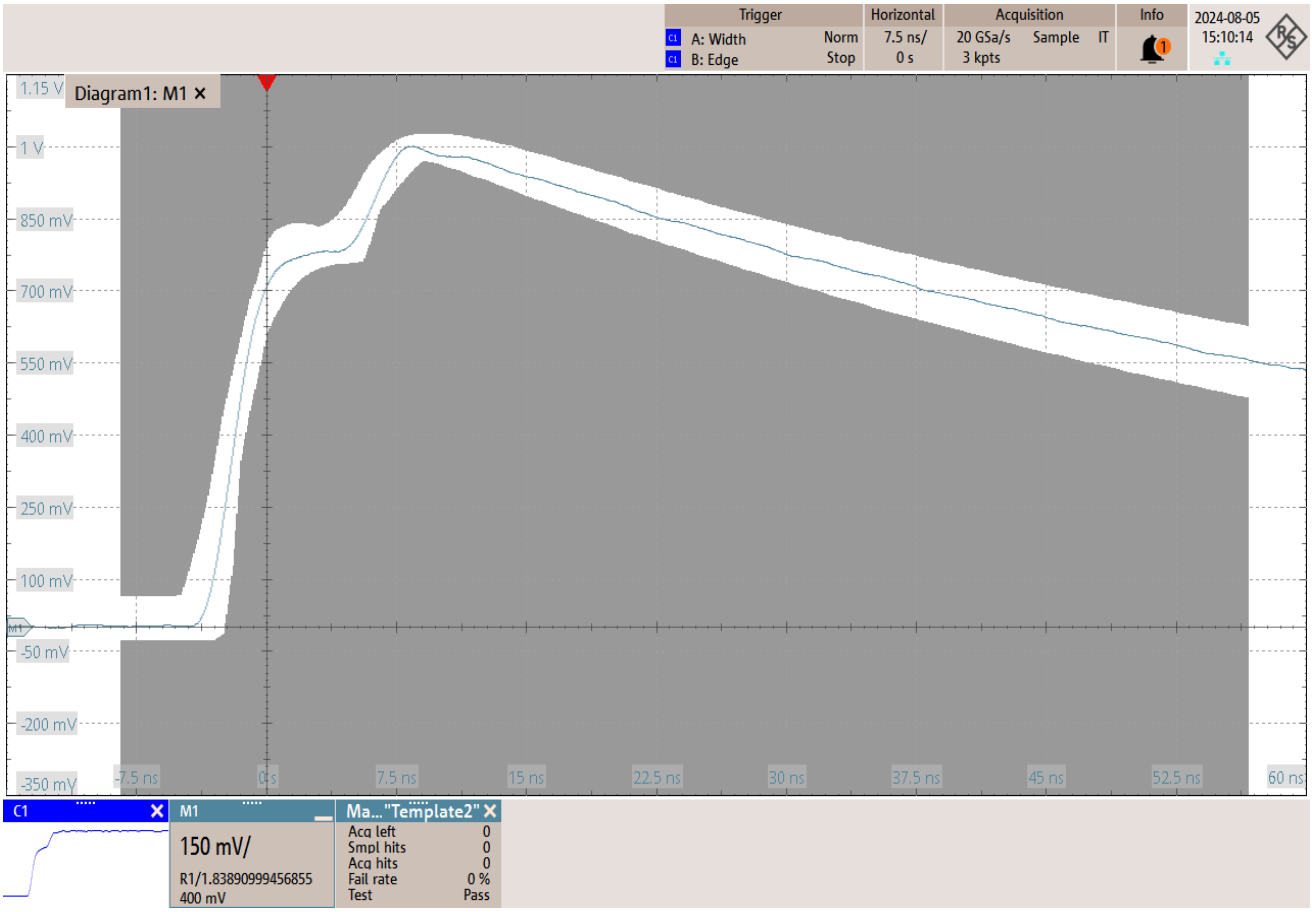
1000BASE-T Differential Output Templates No Disturber - 40.6.1.2.3 - Point D mask



1000BASE-T Differential Output Templates No Disturber - 40.6.1.2.3 - Point F mask



1000BASE-T Differential Output Templates No Disturber - 40.6.1.2.3 - Point H mask



1000BASE-T Differential Output Templates No Disturber - 40.6.1.2.3

Description	Normalized Time Domain Transmit Template
Pair	C
Run	3
Result	Pass
Time	08/05/2024 15:12:48
Comment	

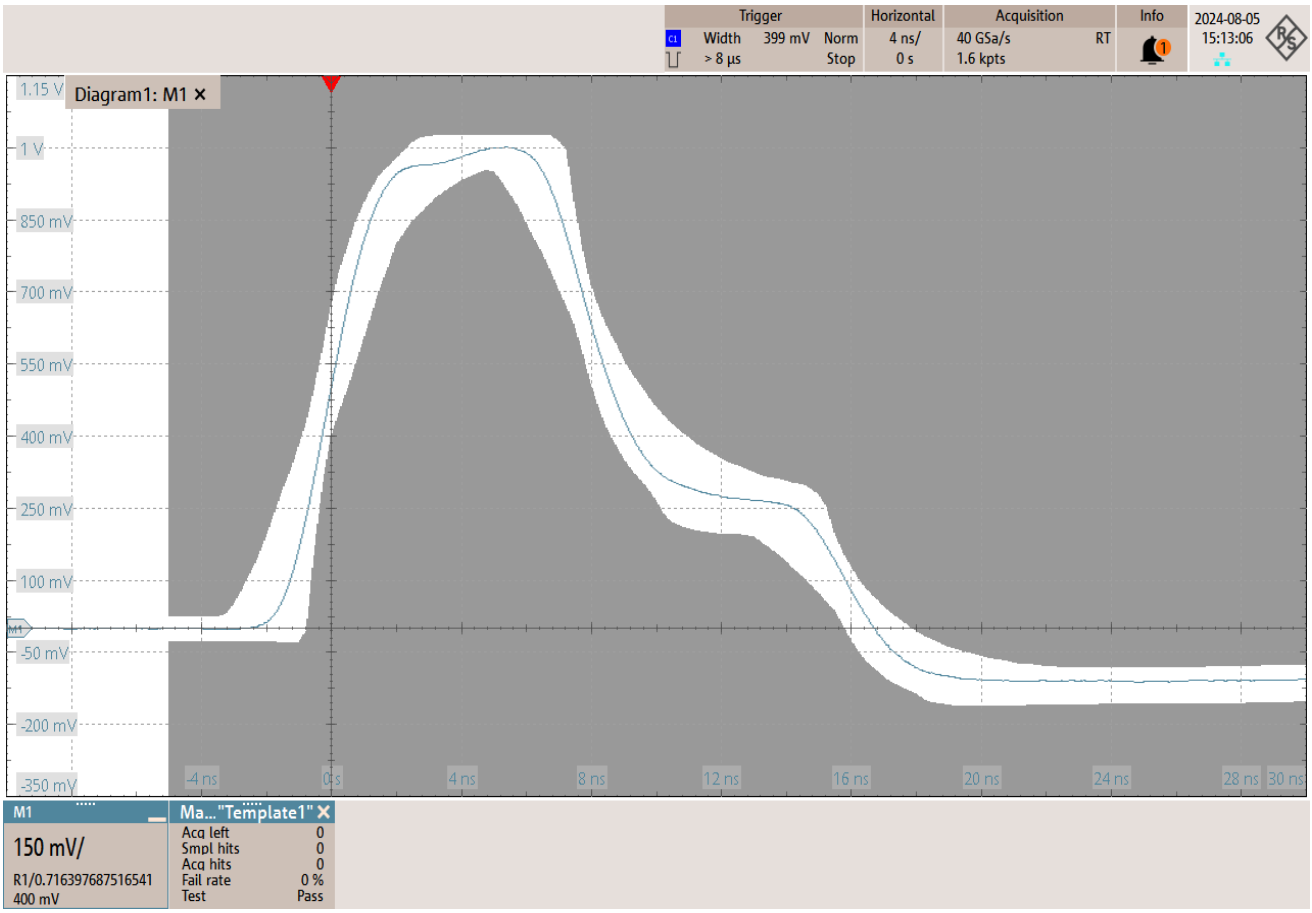
Properties

Name	Value	Name	Value
Average Count	10	Expert Mode	No

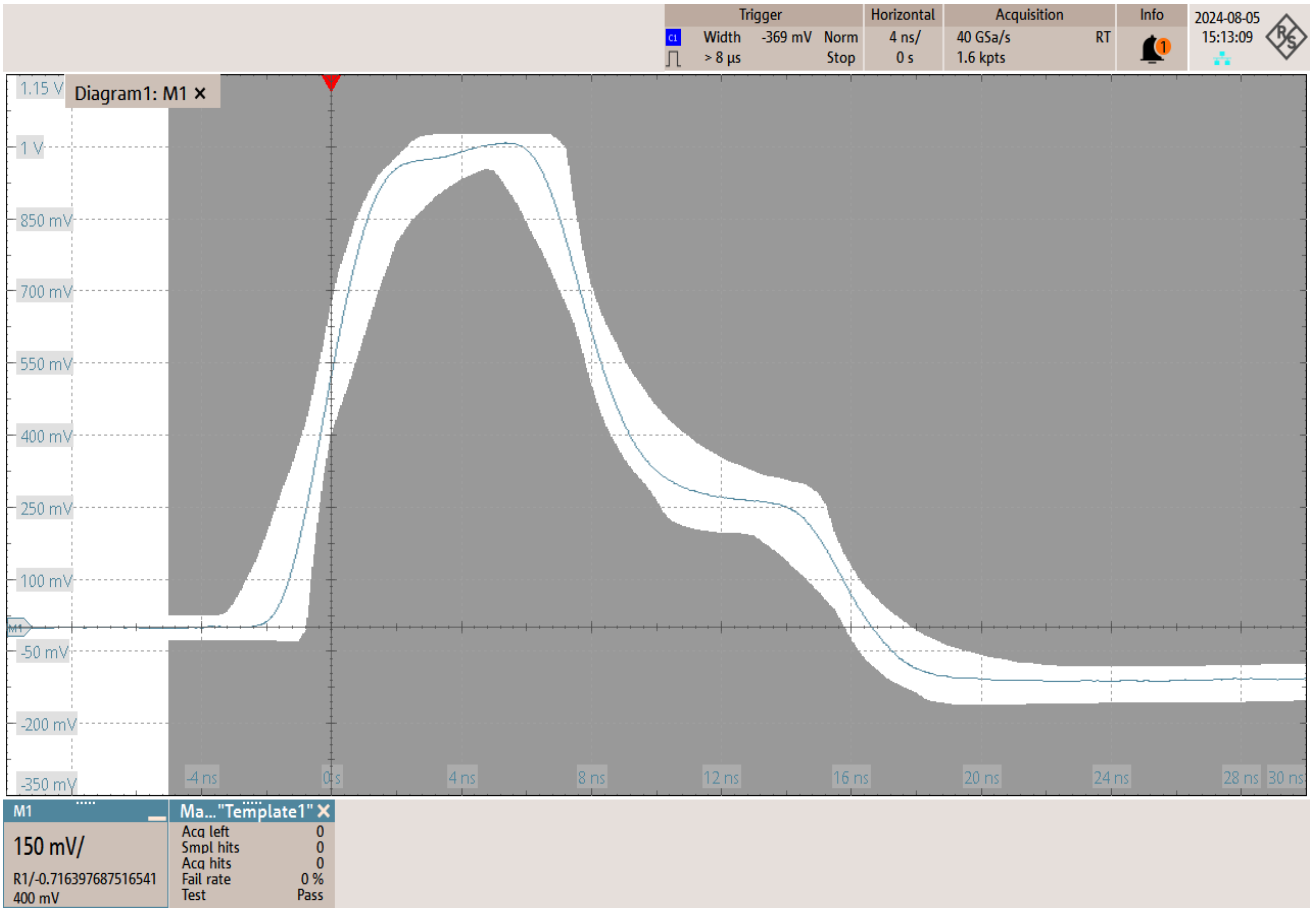
Additional Information

Measurement	Value	Limits
Point A mask	Pass	Meet normalized time domain voltage template 1
Point A normalized time domain voltage template 1 violation points	0	x = 0 Violation Point
Point B mask	Pass	Meet normalized time domain voltage template 1
Point B normalized time domain voltage template 1 violation points	0	x = 0 Violation Point
Point C mask	Pass	Meet normalized time domain voltage template 1
Point C normalized time domain voltage template 1 violation points	0	x = 0 Violation Point
Point D mask	Pass	Meet normalized time domain voltage template 1
Point D normalized time domain voltage template 1 violation points	0	x = 0 Violation Point
Point F mask	Pass	Meet normalized time domain voltage template 2
Point F normalized time domain voltage template 2 violation points	0	x = 0 Violation Point
Point H mask	Pass	Meet normalized time domain voltage template 2
Point H normalized time domain voltage template 2 violation points	0	x = 0 Violation Point

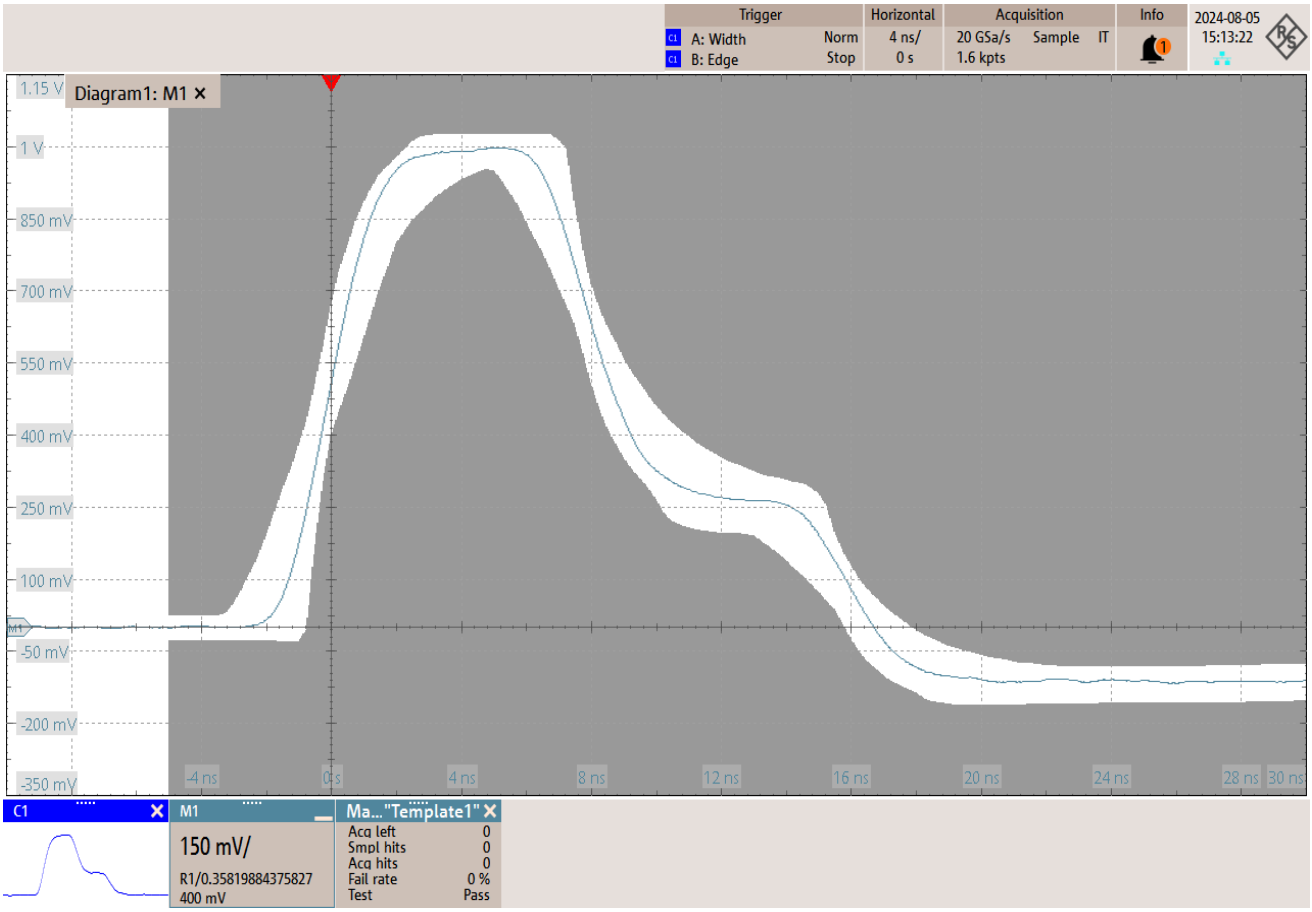
1000BASE-T Differential Output Templates No Disturber - 40.6.1.2.3 - Point A mask



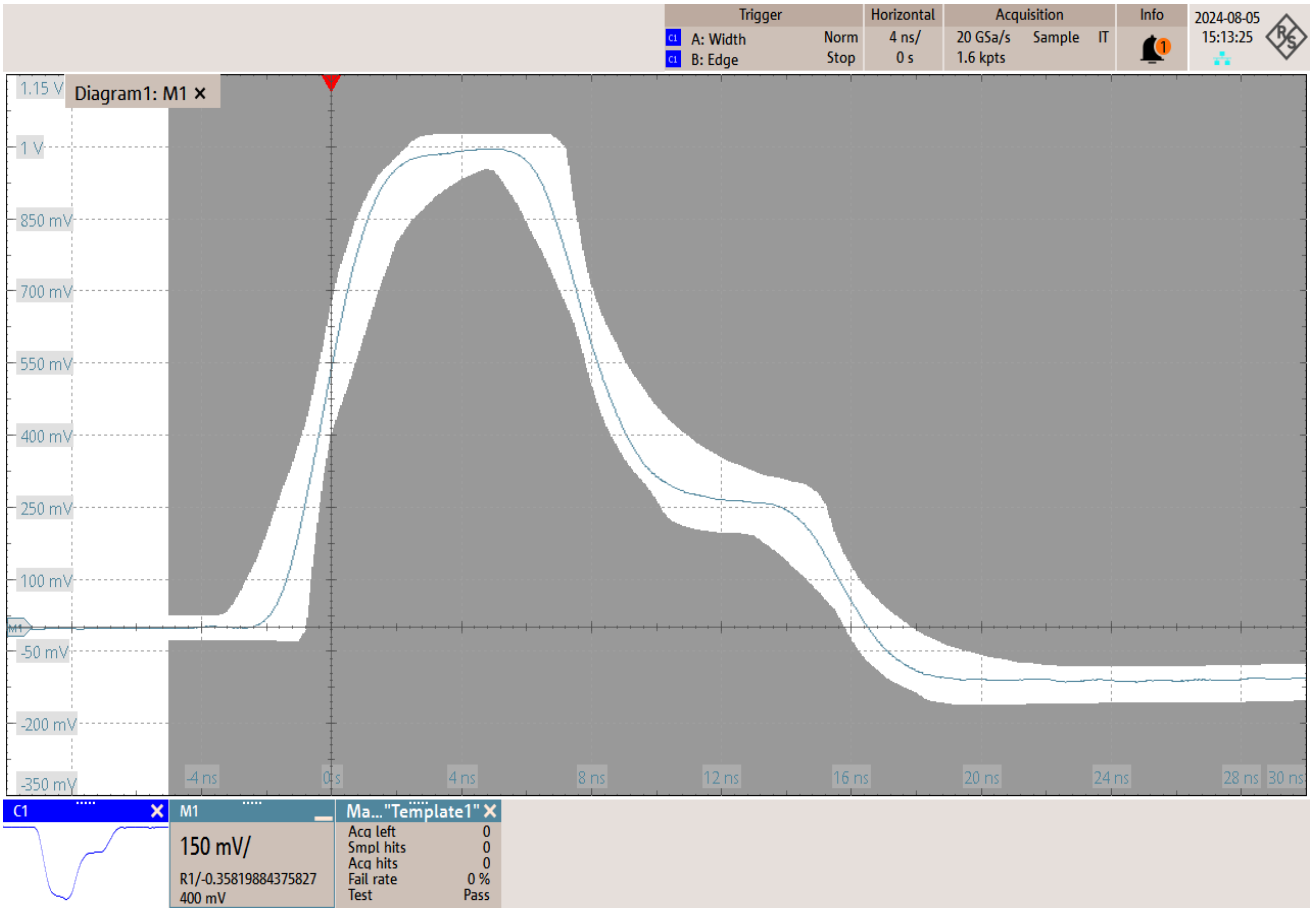
1000BASE-T Differential Output Templates No Disturber - 40.6.1.2.3 - Point B mask



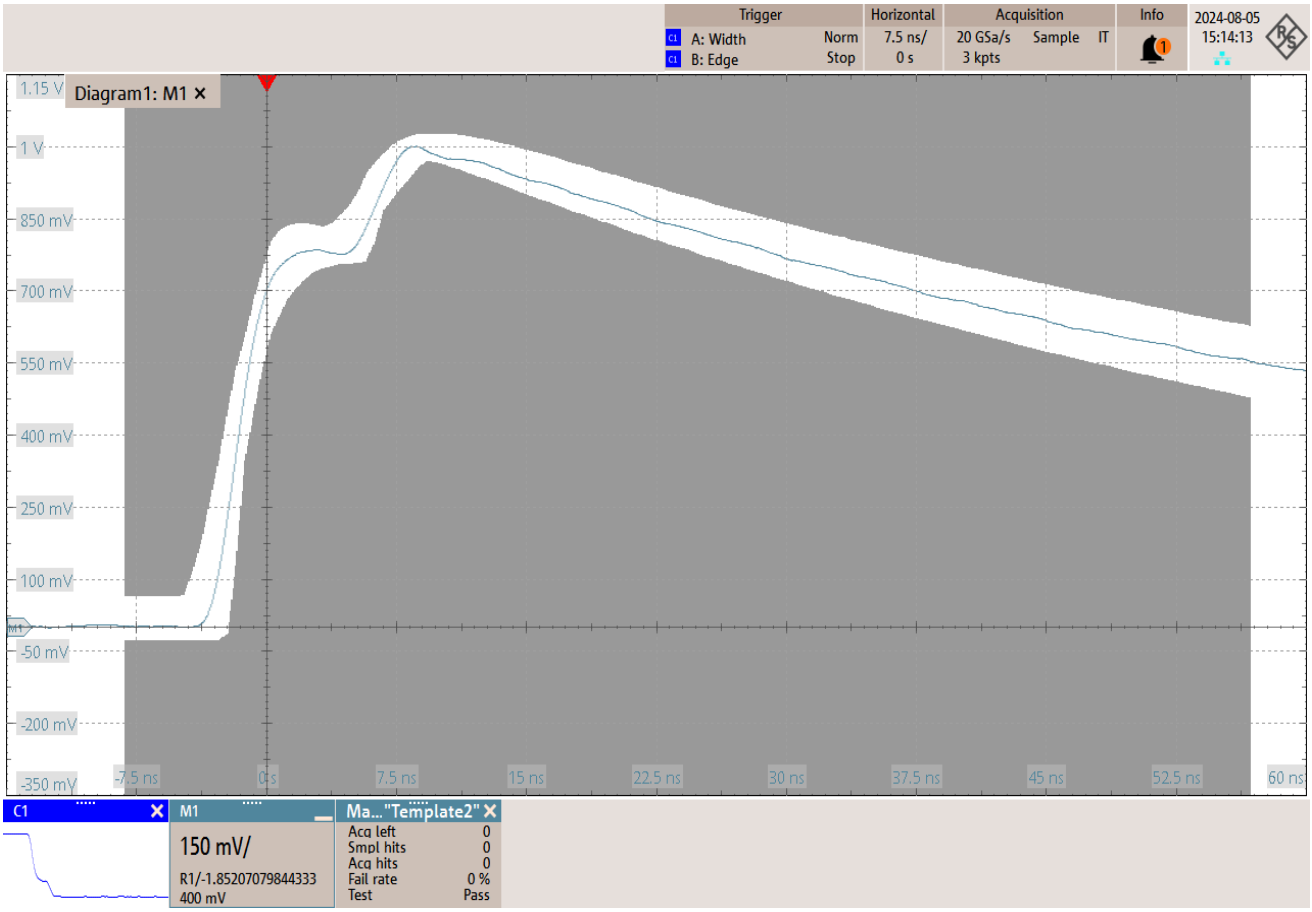
1000BASE-T Differential Output Templates No Disturber - 40.6.1.2.3 - Point C mask



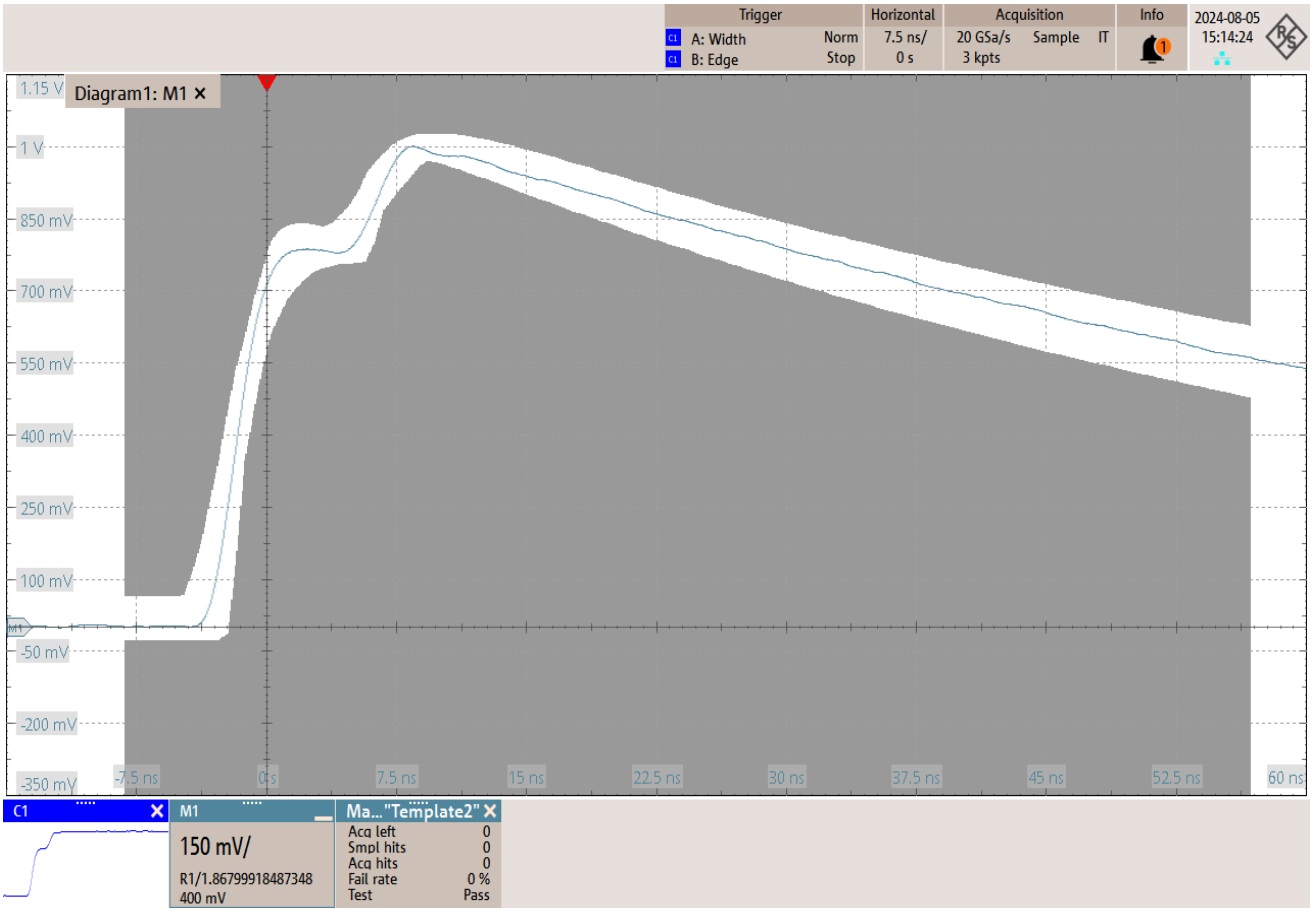
1000BASE-T Differential Output Templates No Disturber - 40.6.1.2.3 - Point D mask



1000BASE-T Differential Output Templates No Disturber - 40.6.1.2.3 - Point F mask



1000BASE-T Differential Output Templates No Disturber - 40.6.1.2.3 - Point H mask



1000BASE-T Differential Output Templates No Disturber - 40.6.1.2.3

Description	Normalized Time Domain Transmit Template
Pair	D
Run	4
Result	Pass
Time	08/05/2024 15:15:48
Comment	

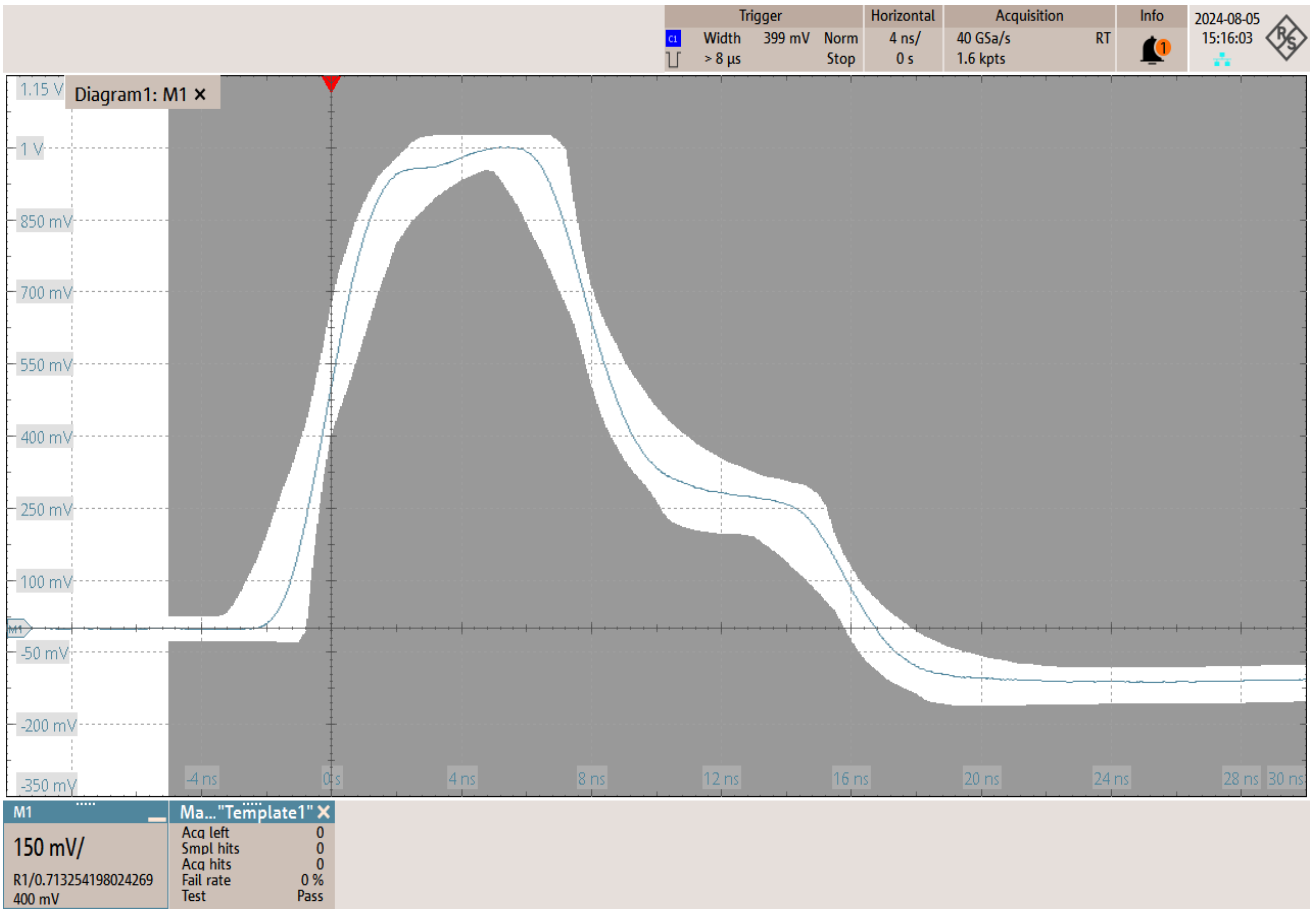
Properties

Name	Value	Name	Value
Average Count	10	Expert Mode	No

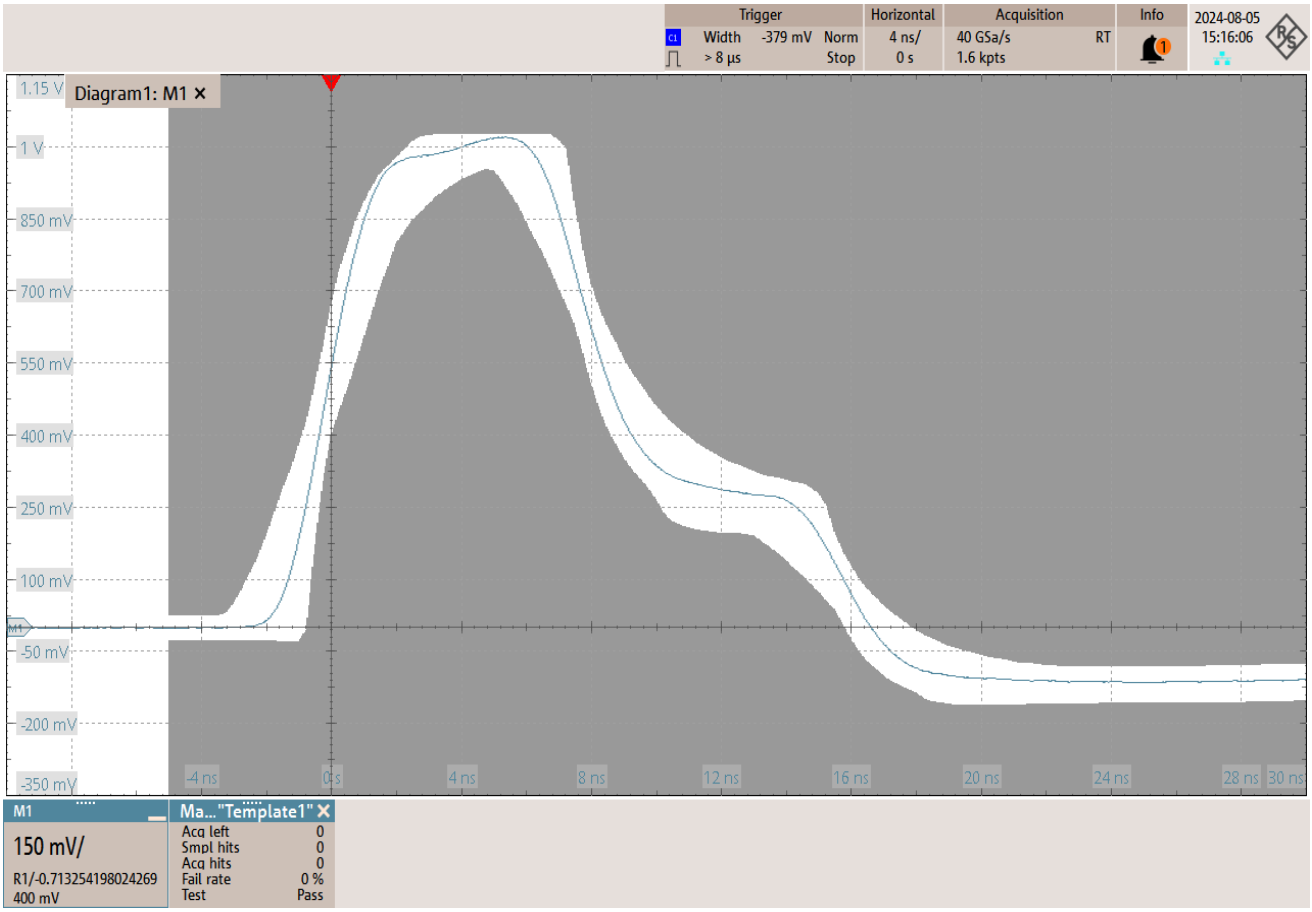
Additional Information

Measurement	Value	Limits
Point A mask	Pass	Meet normalized time domain voltage template 1
Point A normalized time domain voltage template 1 violation points	0	x = 0 Violation Point
Point B mask	Pass	Meet normalized time domain voltage template 1
Point B normalized time domain voltage template 1 violation points	0	x = 0 Violation Point
Point C mask	Pass	Meet normalized time domain voltage template 1
Point C normalized time domain voltage template 1 violation points	0	x = 0 Violation Point
Point D mask	Pass	Meet normalized time domain voltage template 1
Point D normalized time domain voltage template 1 violation points	0	x = 0 Violation Point
Point F mask	Pass	Meet normalized time domain voltage template 2
Point F normalized time domain voltage template 2 violation points	0	x = 0 Violation Point
Point H mask	Pass	Meet normalized time domain voltage template 2
Point H normalized time domain voltage template 2 violation points	0	x = 0 Violation Point

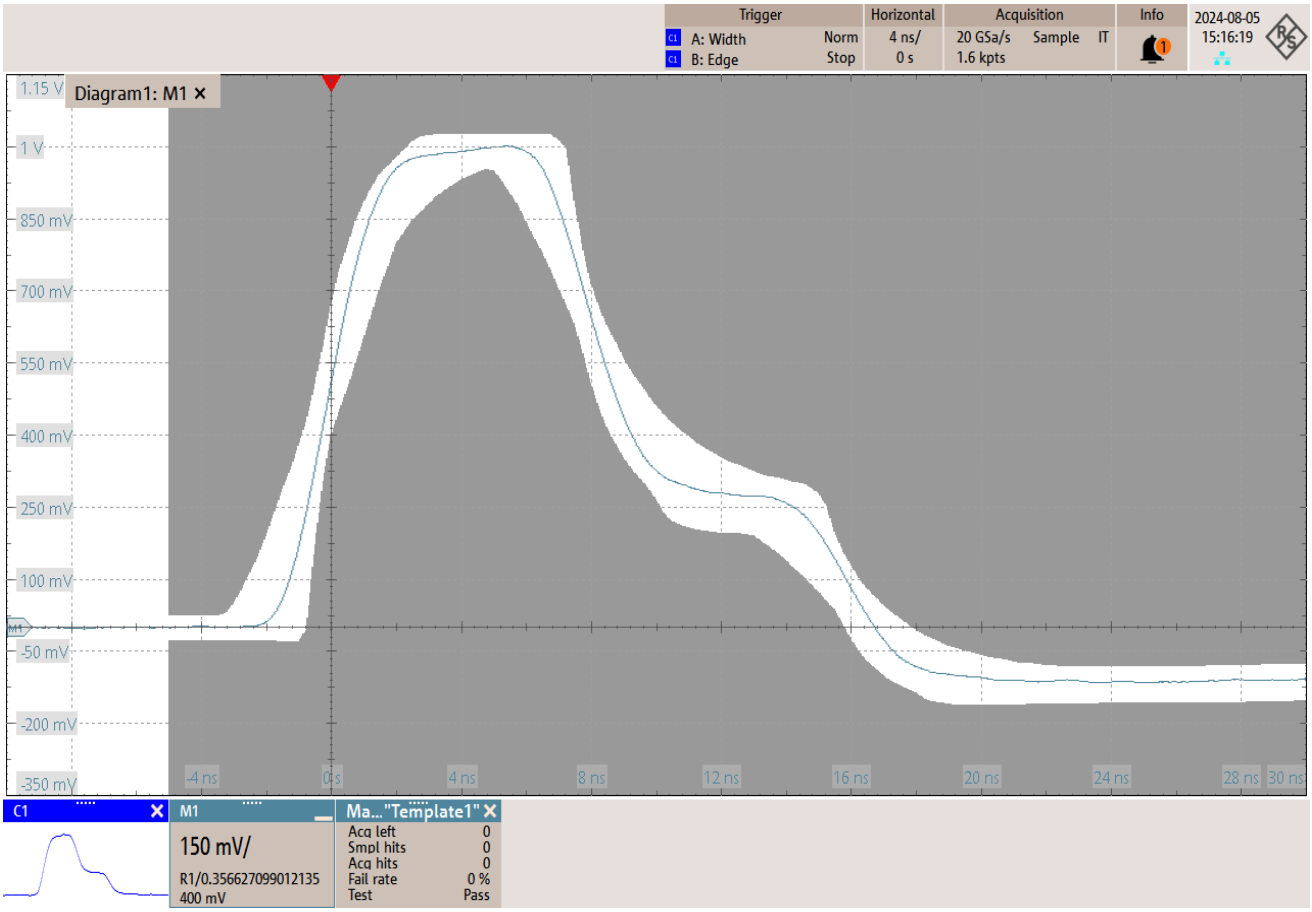
1000BASE-T Differential Output Templates No Disturber - 40.6.1.2.3 - Point A mask



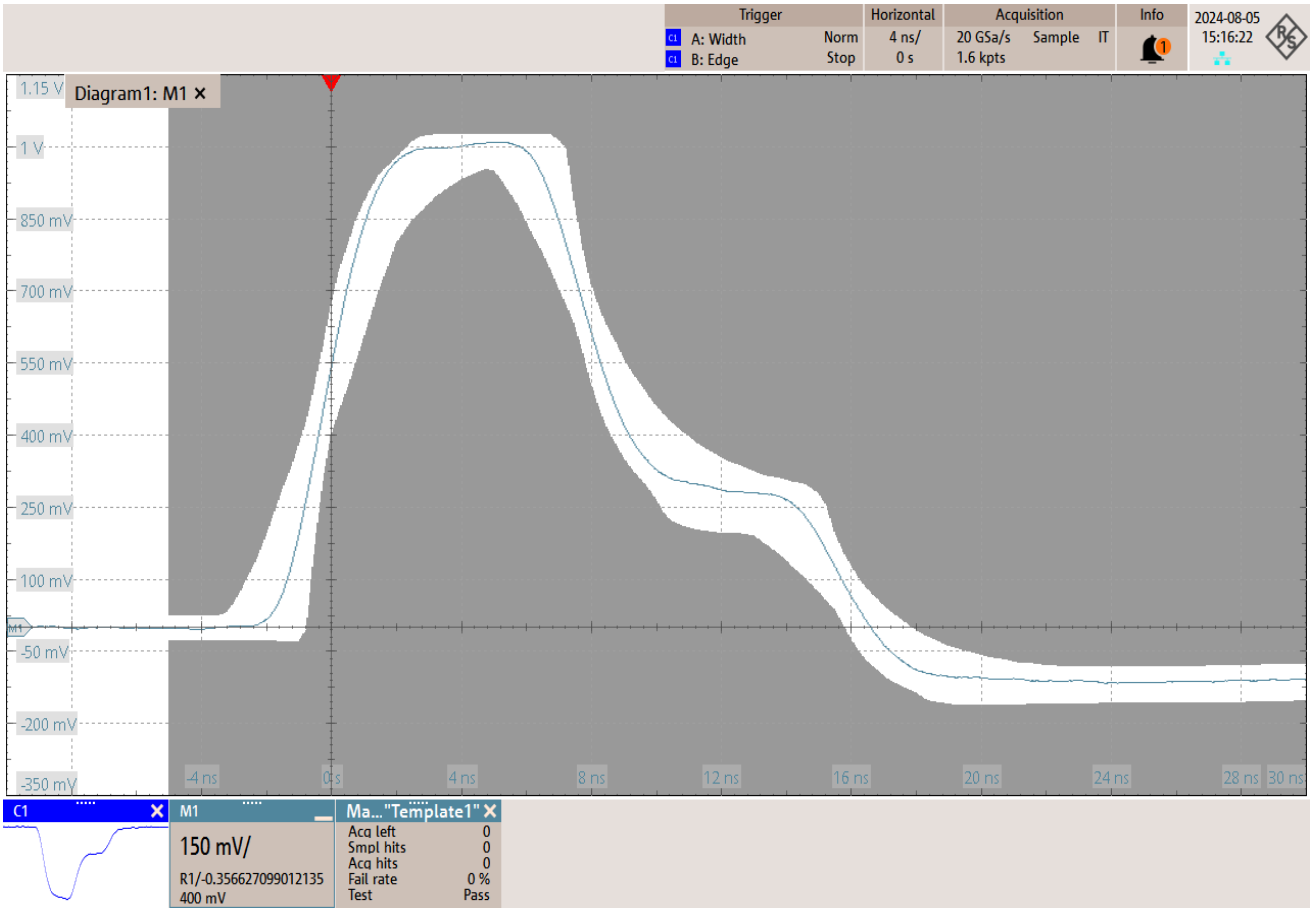
1000BASE-T Differential Output Templates No Disturber - 40.6.1.2.3 - Point B mask



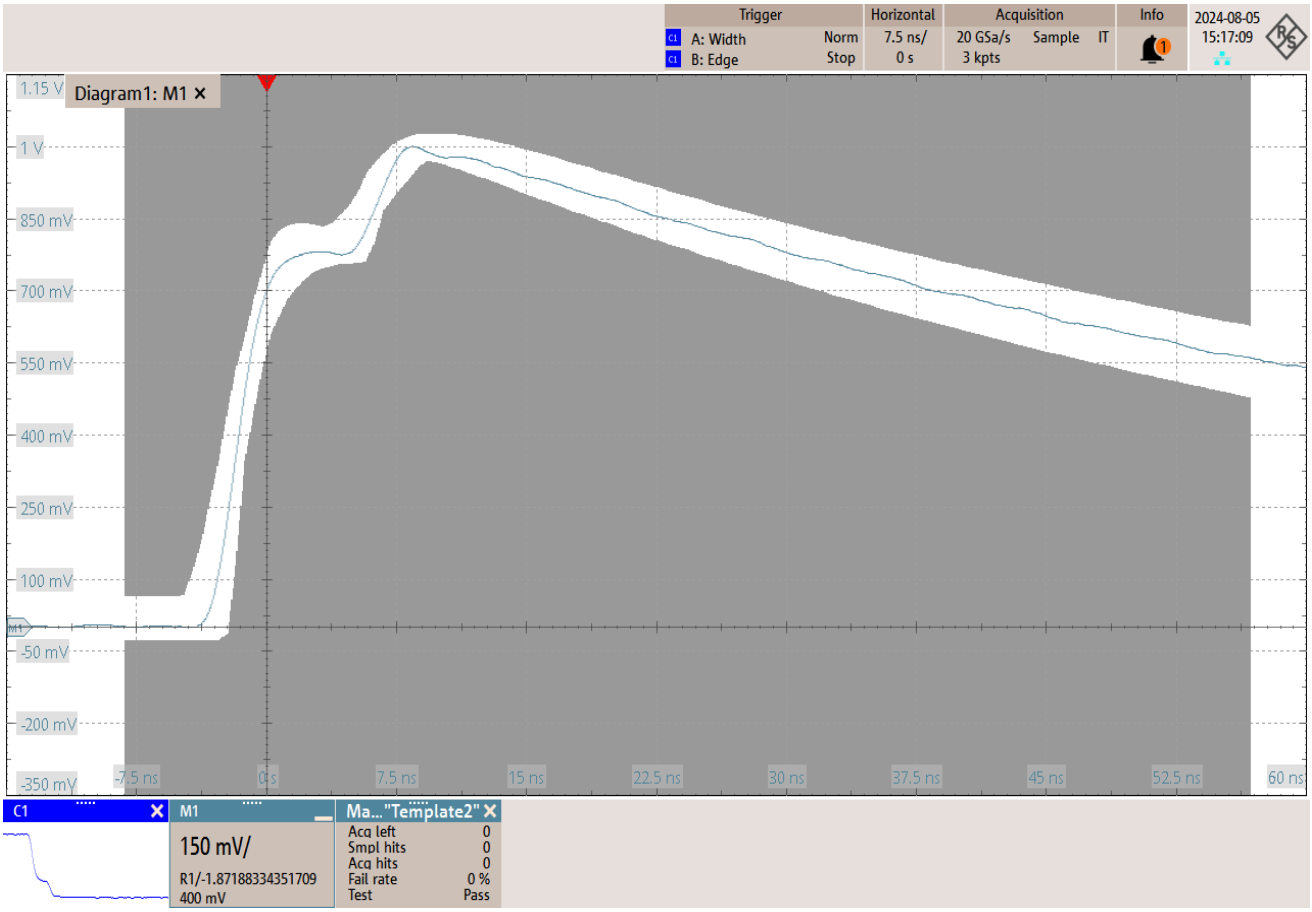
1000BASE-T Differential Output Templates No Disturber - 40.6.1.2.3 - Point C mask



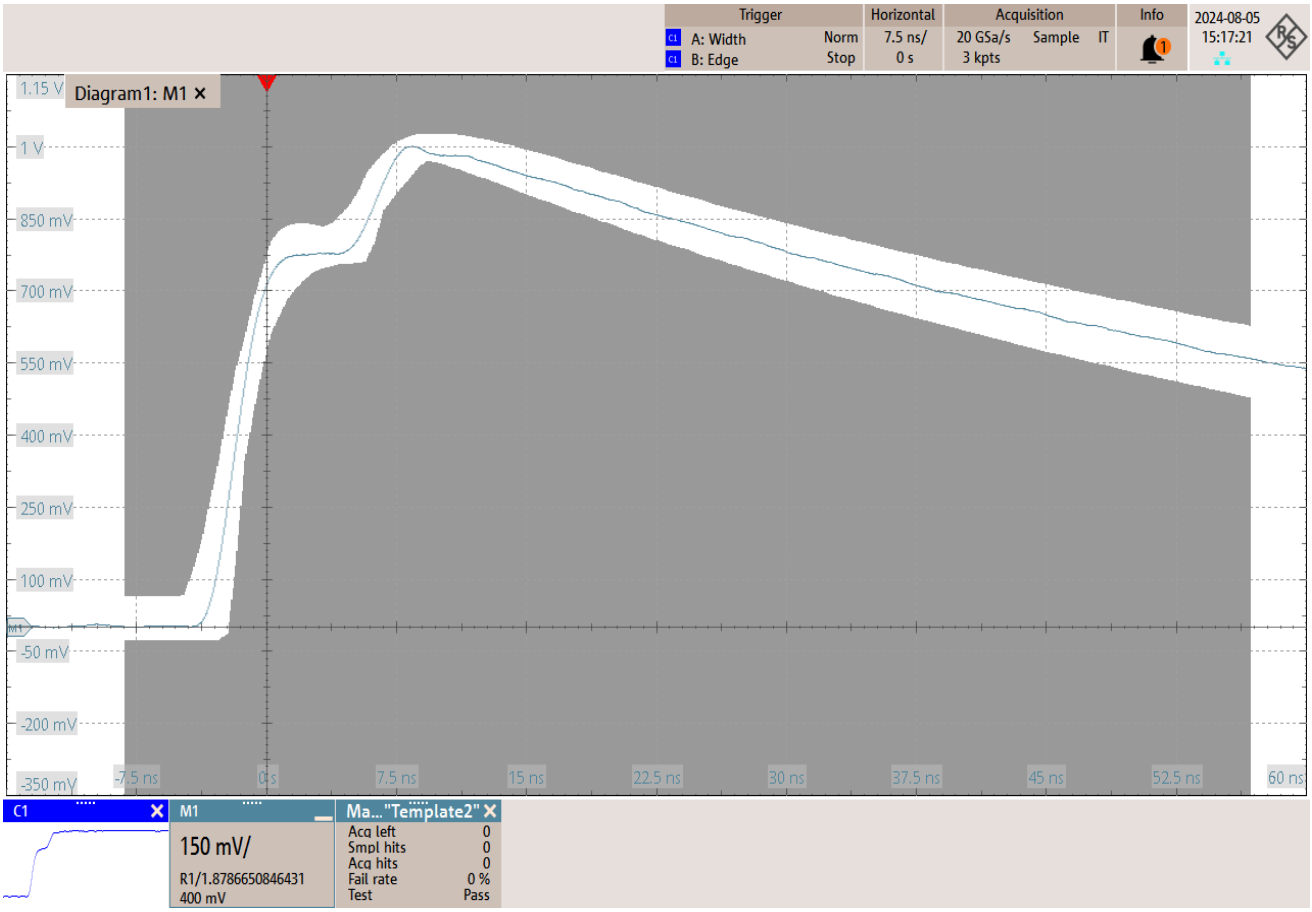
1000BASE-T Differential Output Templates No Disturber - 40.6.1.2.3 - Point D mask



1000BASE-T Differential Output Templates No Disturber - 40.6.1.2.3 - Point F mask



1000BASE-T Differential Output Templates No Disturber - 40.6.1.2.3 - Point H mask



1000BASE-T Peak Voltage With Disturber - 40.6.1.2.1

Description	Peak Differential Output Voltage and Level Accuracy Test With Disturber
Pair	A
Run	1
Result	Pass
Time	07/30/2024 20:12:42
Comment	

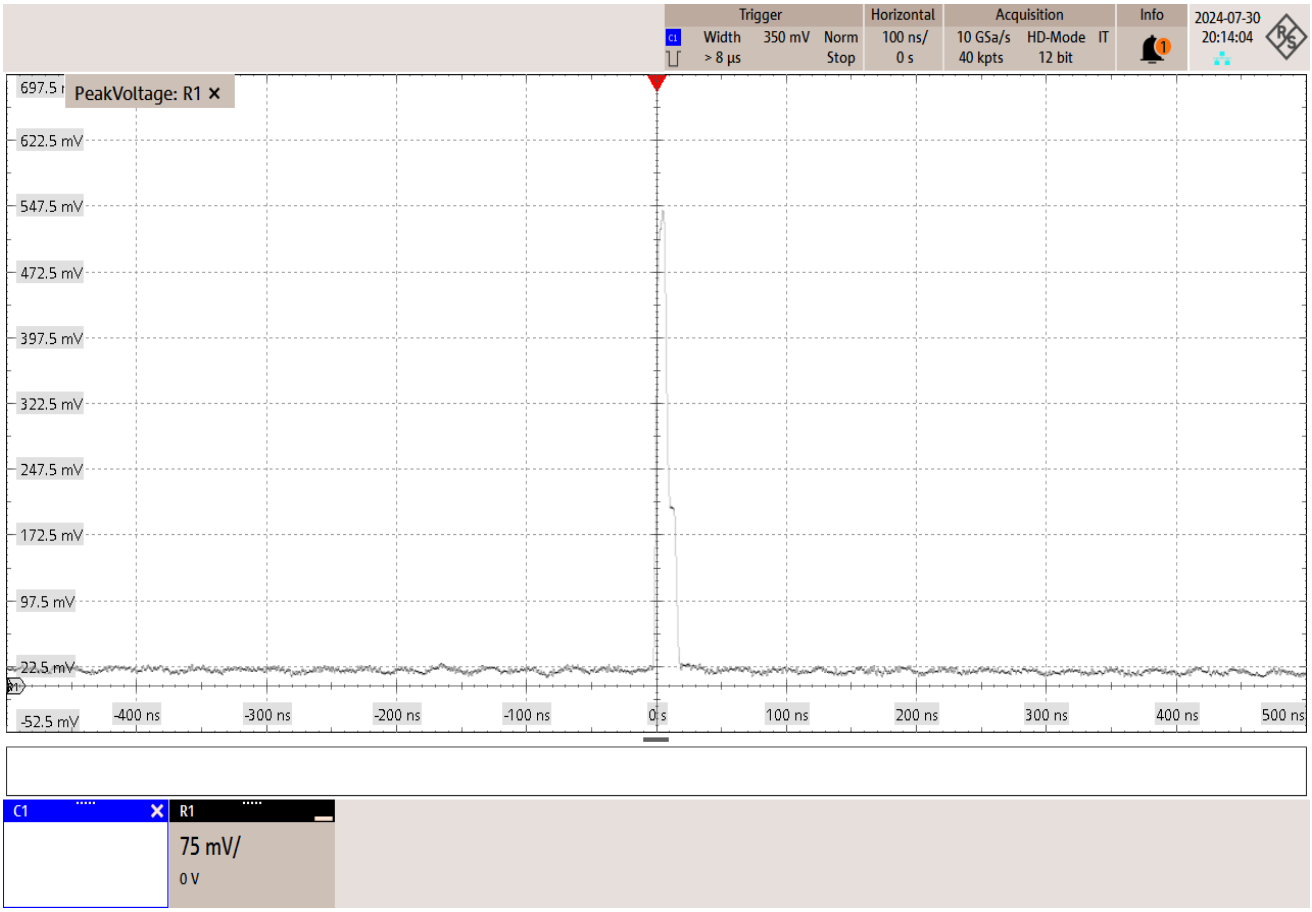
Properties

Name	Value	Name	Value
Average Count	10	Measurement Method	Amplitude
Expert Mode	No		

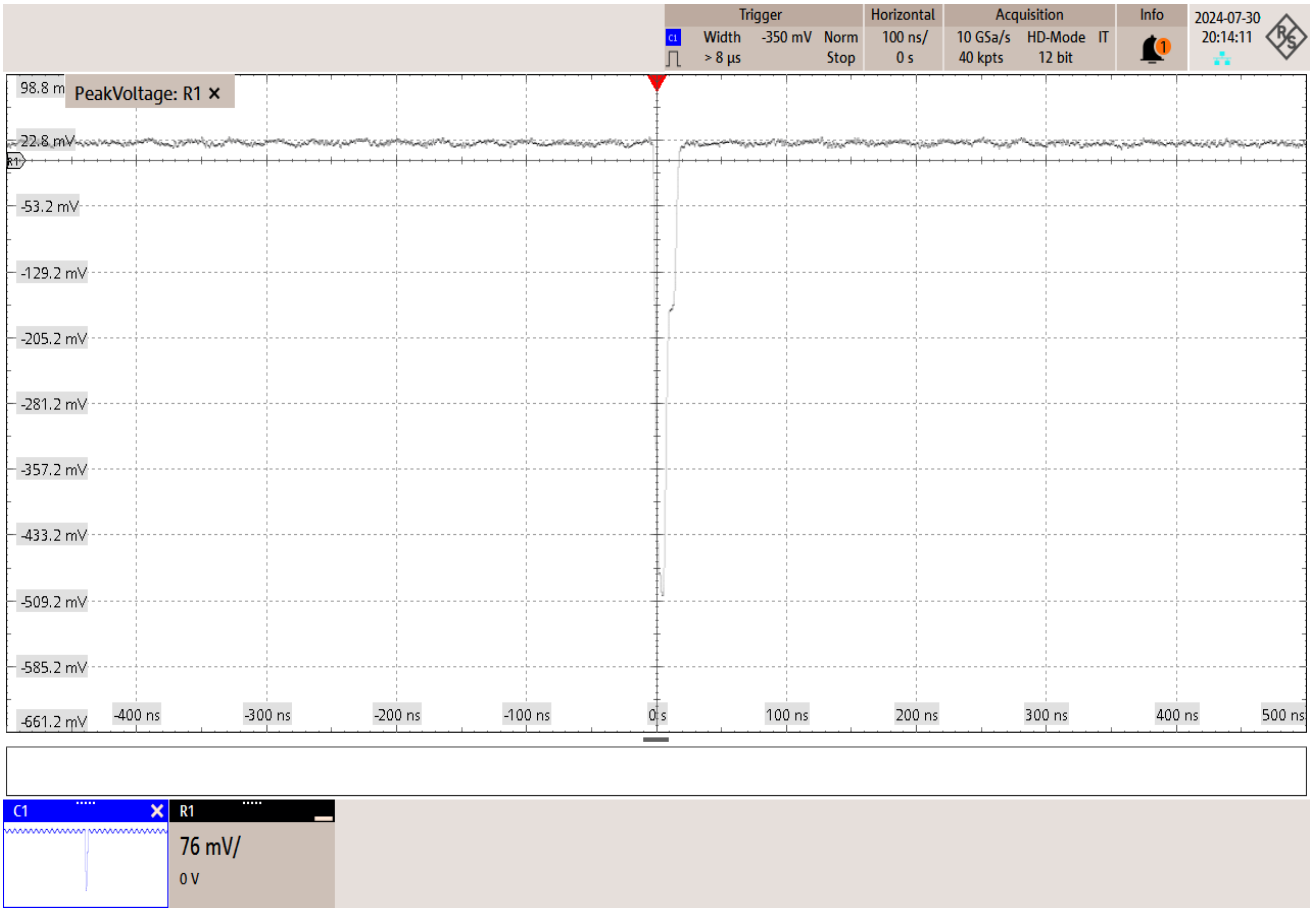
Additional Information

Measurement	Value	Limits
Voltage Point A	764.409 mV	670 mV <= x <= 820 mV
Voltage Point B	769.885 mV	670 mV <= x <= 820 mV
Voltage Point A B difference	0.3563212%	x <= 1 %
Voltage difference between Point C and AVG(A,B)/2	0.0066819%	x <= 2 %
Voltage difference between Point D and AVG(A,B)/2	0.6488777%	x <= 2 %

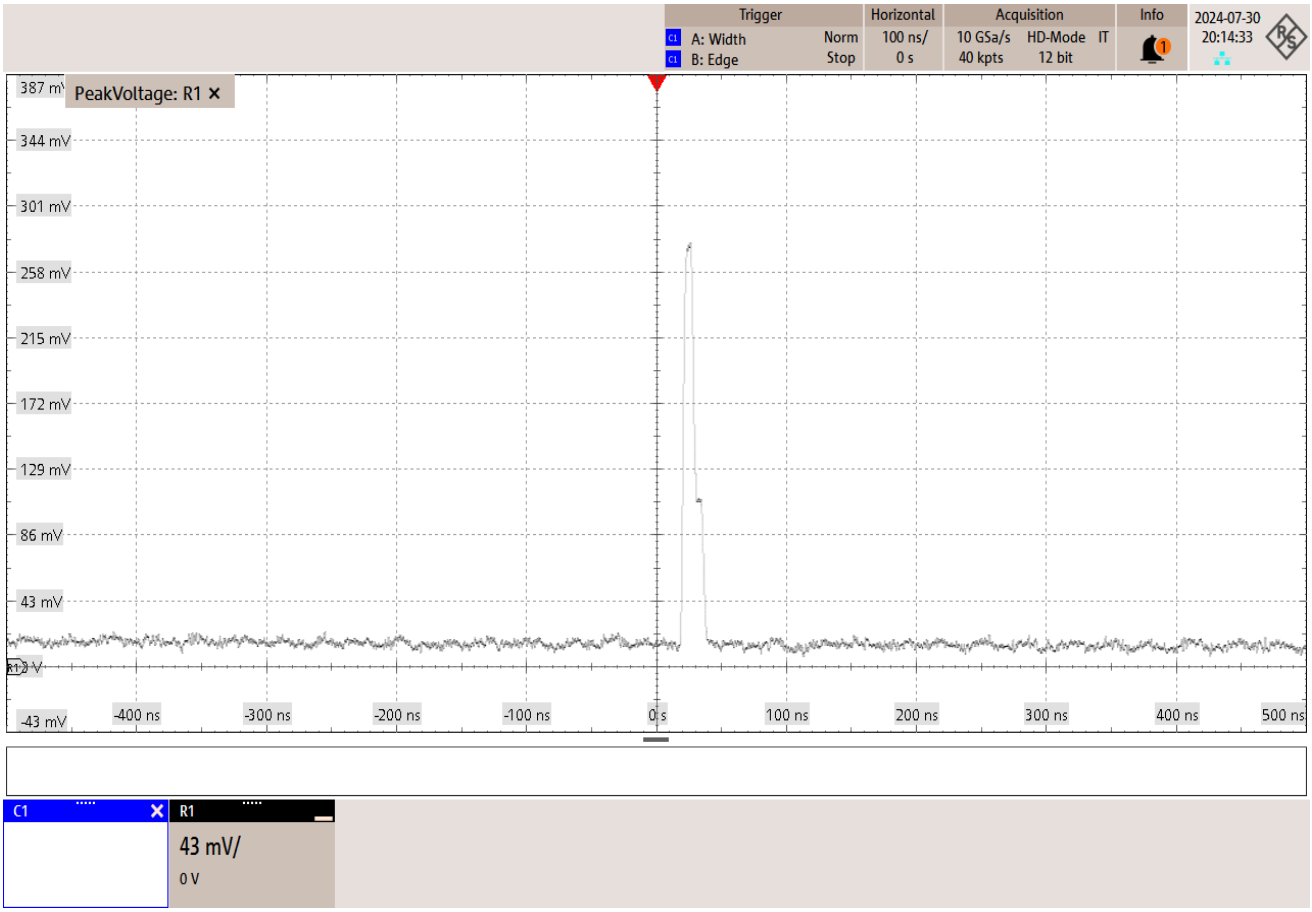
1000BASE-T Peak Voltage With Disturber - 40.6.1.2.1 - Voltage Point A



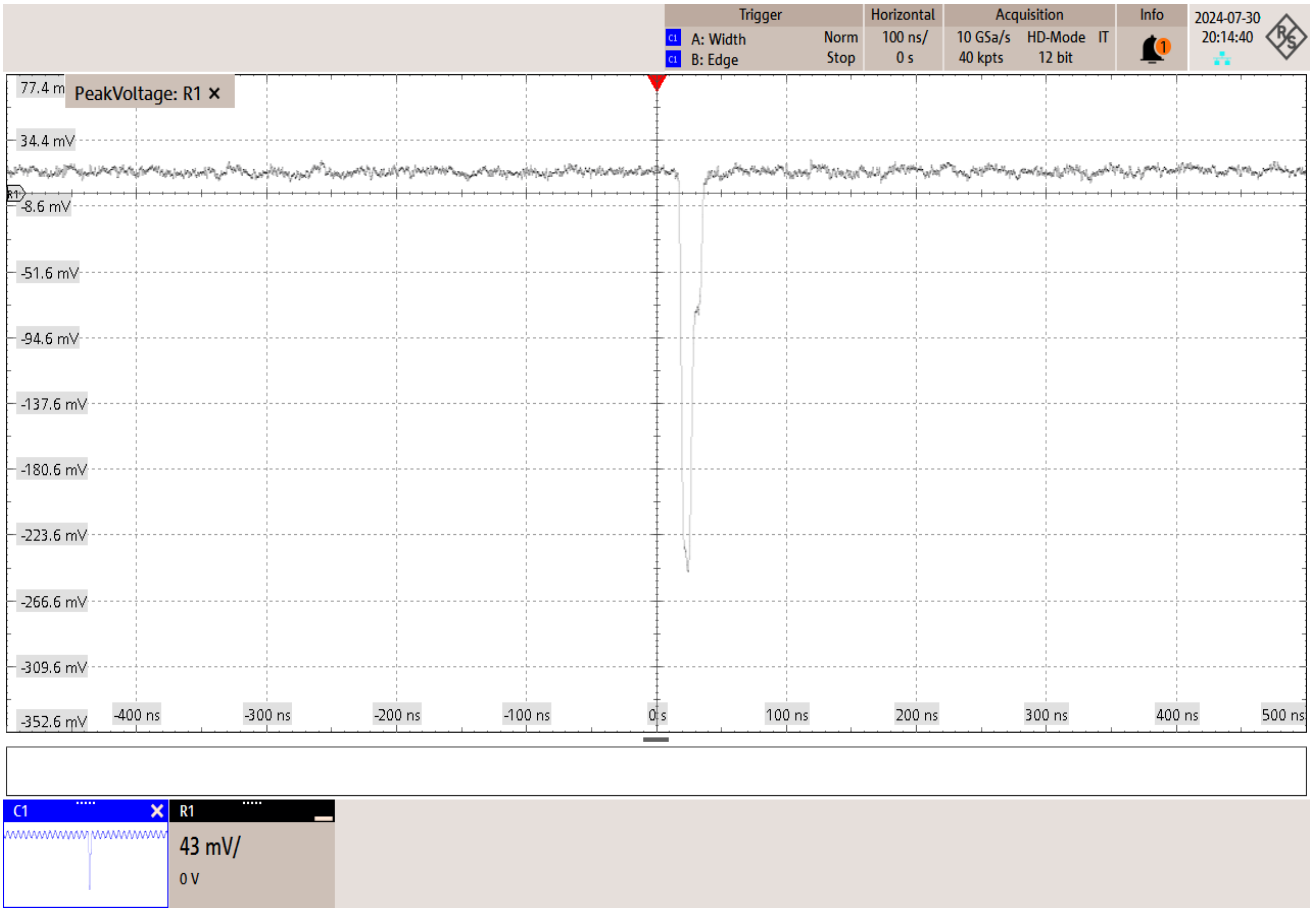
1000BASE-T Peak Voltage With Disturber - 40.6.1.2.1 - Voltage Point B



1000BASE-T Peak Voltage With Disturber - 40.6.1.2.1 - Voltage difference between Point C and AVG(A,B)/2



1000BASE-T Peak Voltage With Disturber - 40.6.1.2.1 - Voltage difference between Point D and AVG(A,B)/2



1000BASE-T Peak Voltage With Disturber - 40.6.1.2.1

Description	Peak Differential Output Voltage and Level Accuracy Test With Disturber
Pair	B
Run	4
Result	Pass
Time	08/05/2024 16:08:07
Comment	

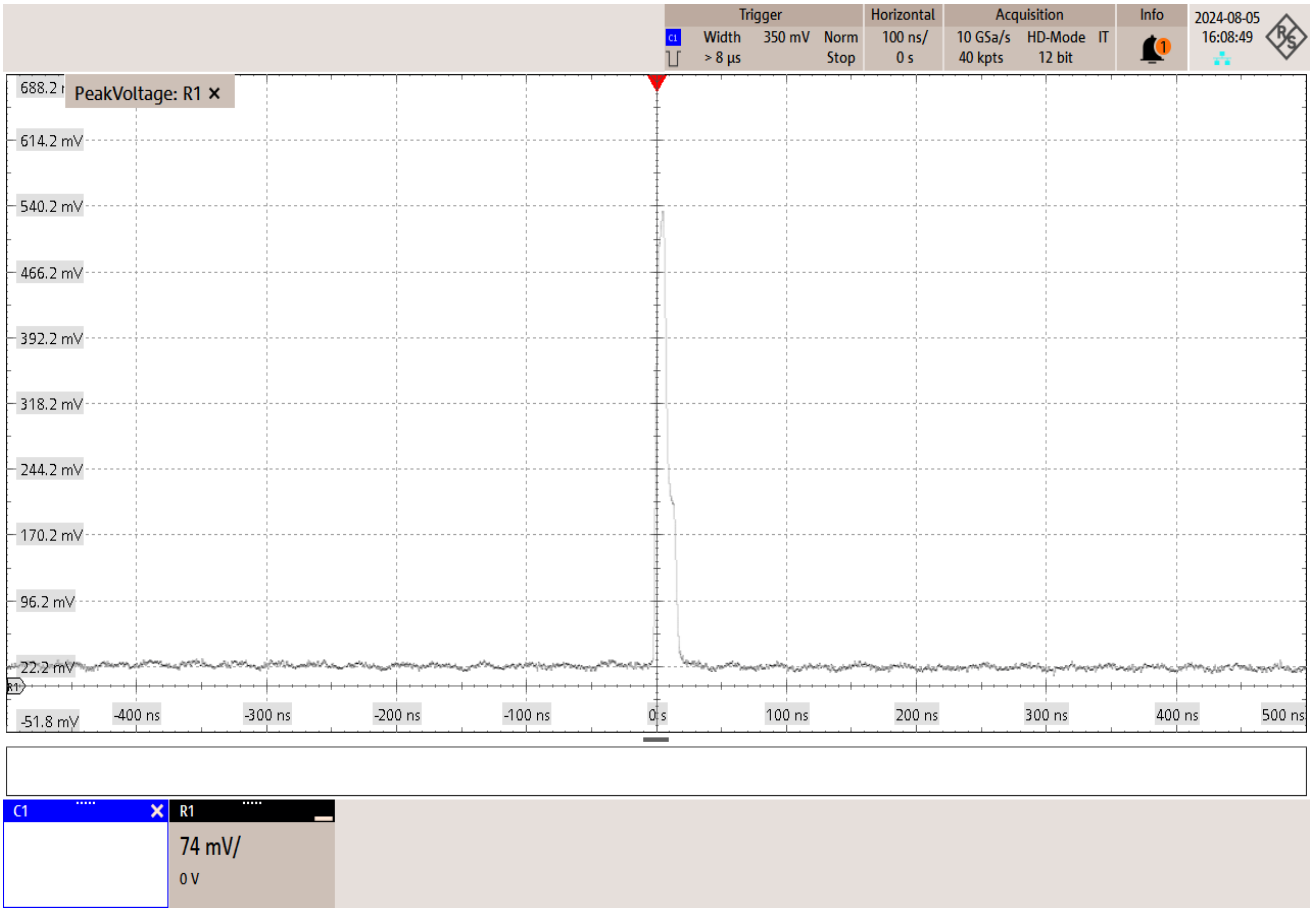
Properties

Name	Value	Name	Value
Average Count	10	Measurement Method	Amplitude
Expert Mode	No		

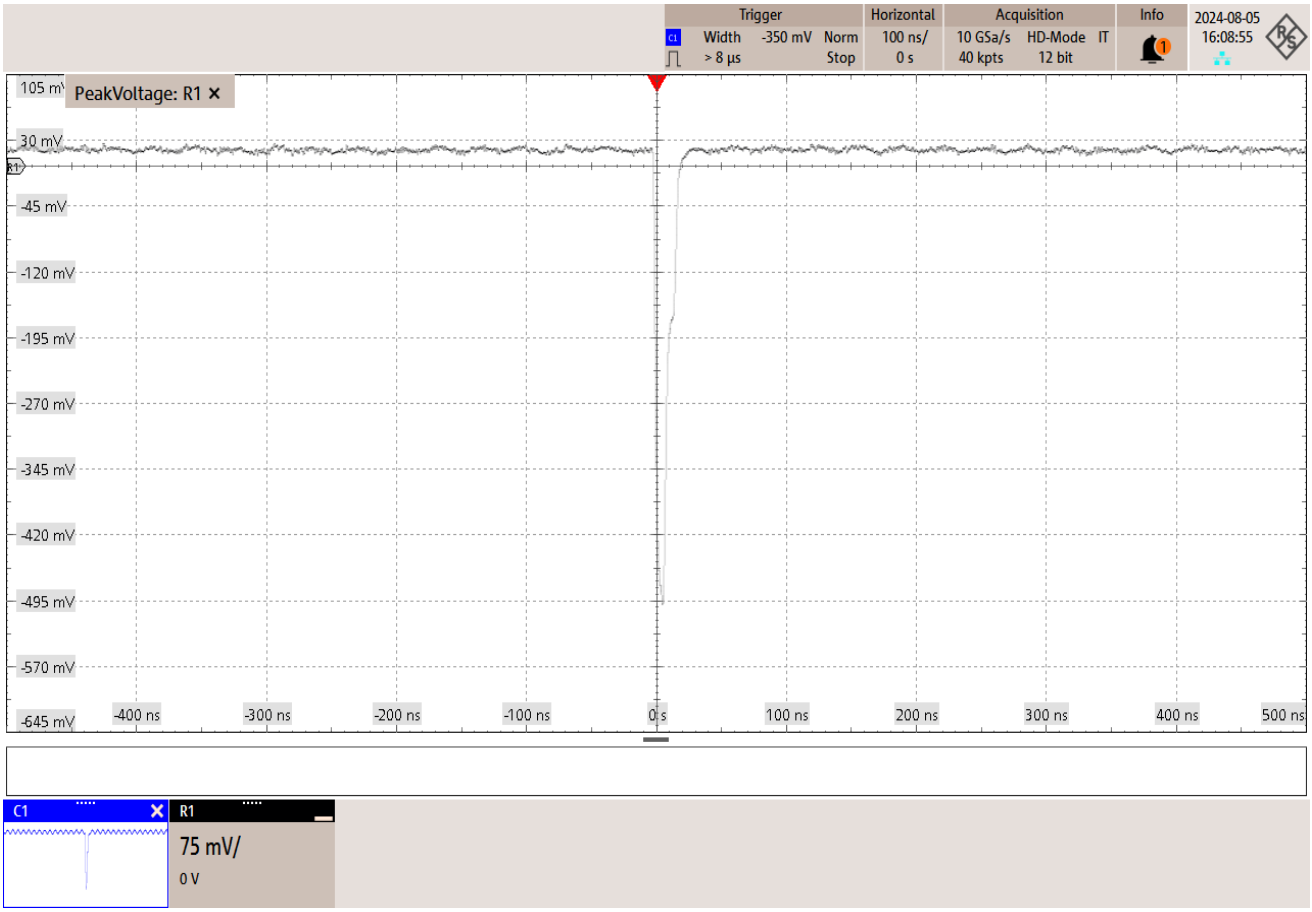
Additional Information

Measurement	Value	Limits
Voltage Point A	746.848 mV	670 mV <= x <= 820 mV
Voltage Point B	758.996 mV	670 mV <= x <= 820 mV
Voltage Point A B difference	0.8035312%	x <= 1 %
Voltage difference between Point C and AVG(A,B)/2	1.150919%	x <= 2 %
Voltage difference between Point D and AVG(A,B)/2	1.319155%	x <= 2 %

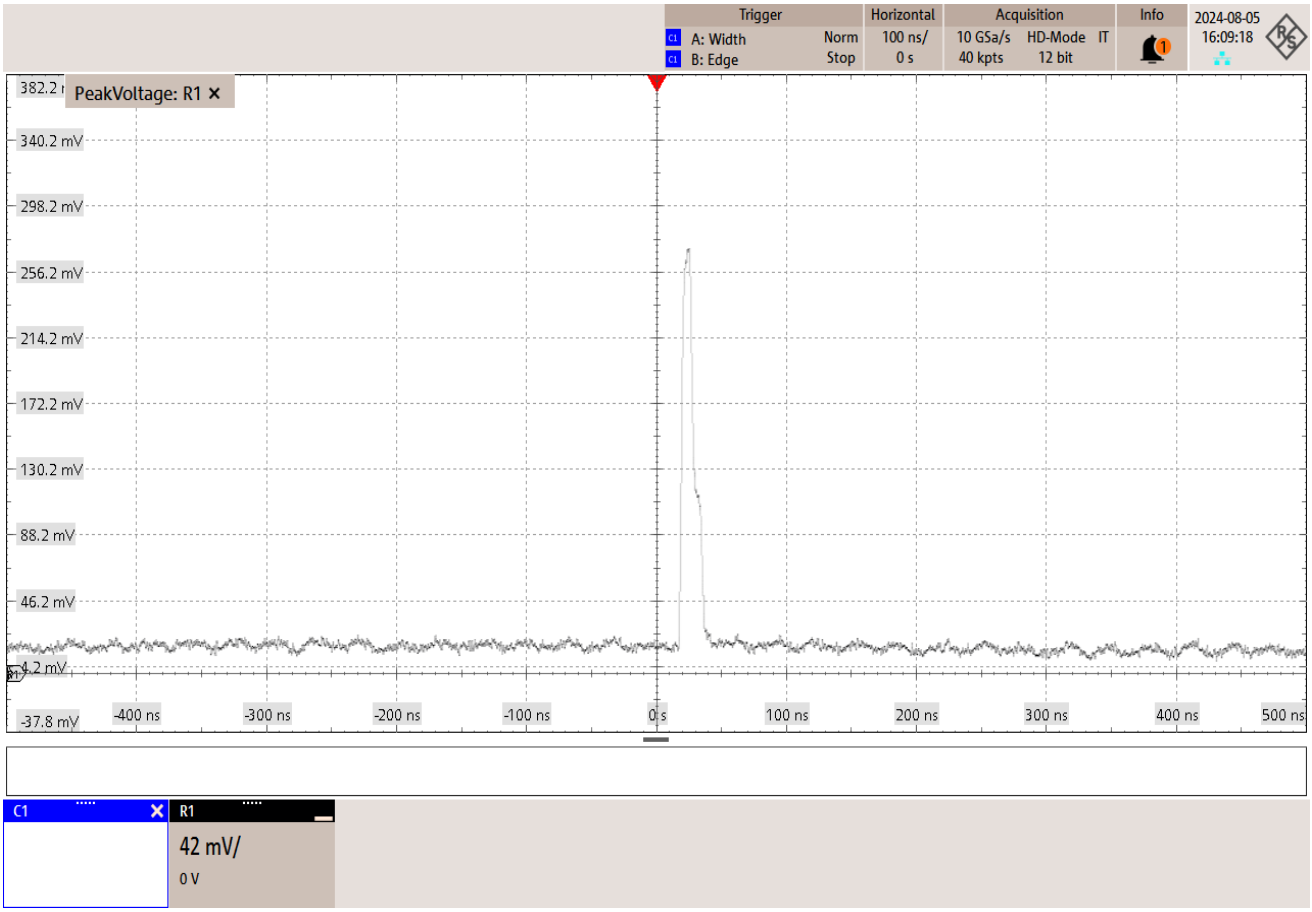
1000BASE-T Peak Voltage With Disturber - 40.6.1.2.1 - Voltage Point A



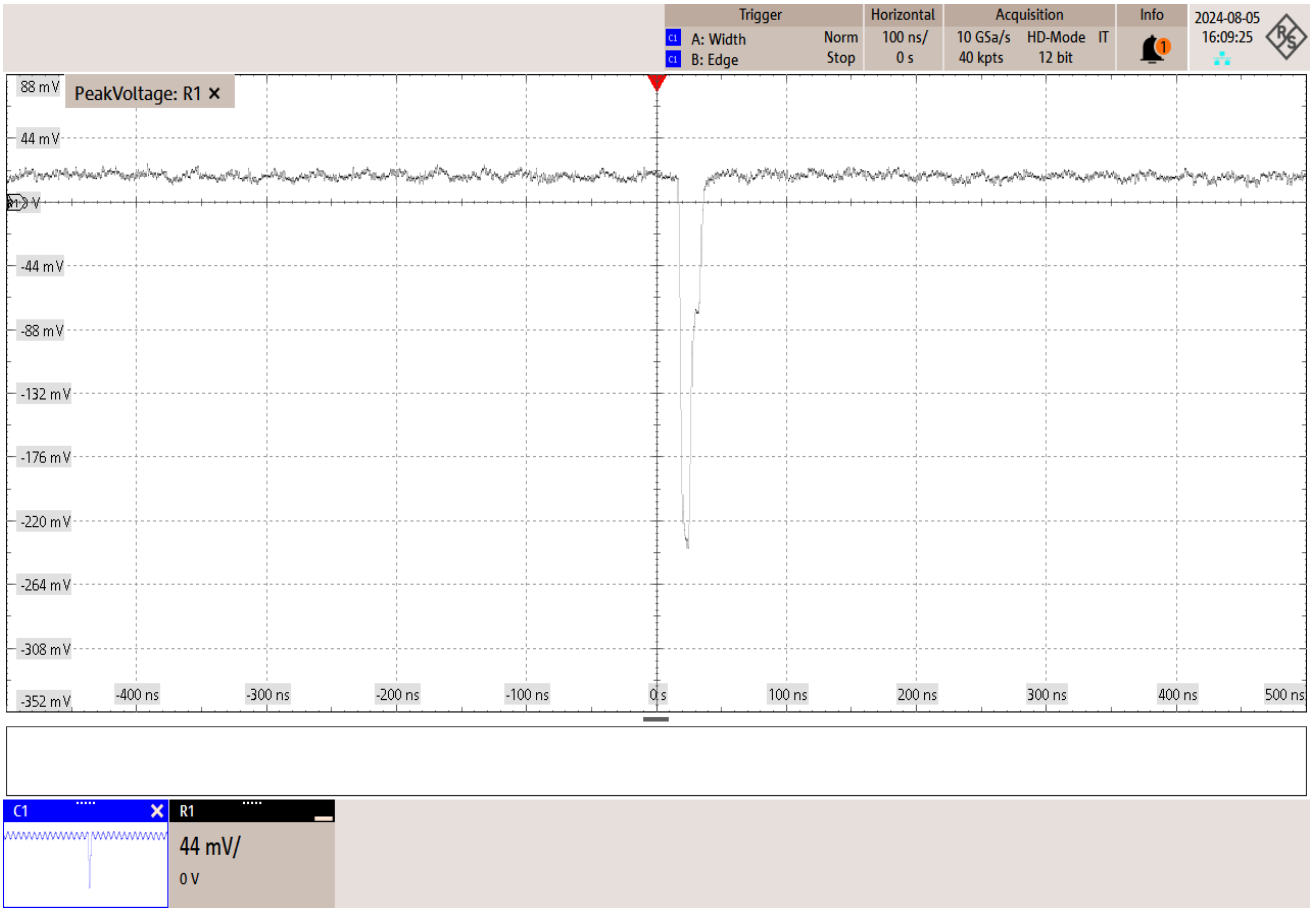
1000BASE-T Peak Voltage With Disturber - 40.6.1.2.1 - Voltage Point B



1000BASE-T Peak Voltage With Disturber - 40.6.1.2.1 - Voltage difference between Point C and AVG(A,B)/2



1000BASE-T Peak Voltage With Disturber - 40.6.1.2.1 - Voltage difference between Point D and AVG(A,B)/2



1000BASE-T Peak Voltage With Disturber - 40.6.1.2.1

Description	Peak Differential Output Voltage and Level Accuracy Test With Disturber
Pair	C
Run	5
Result	Pass
Time	08/05/2024 16:09:55
Comment	

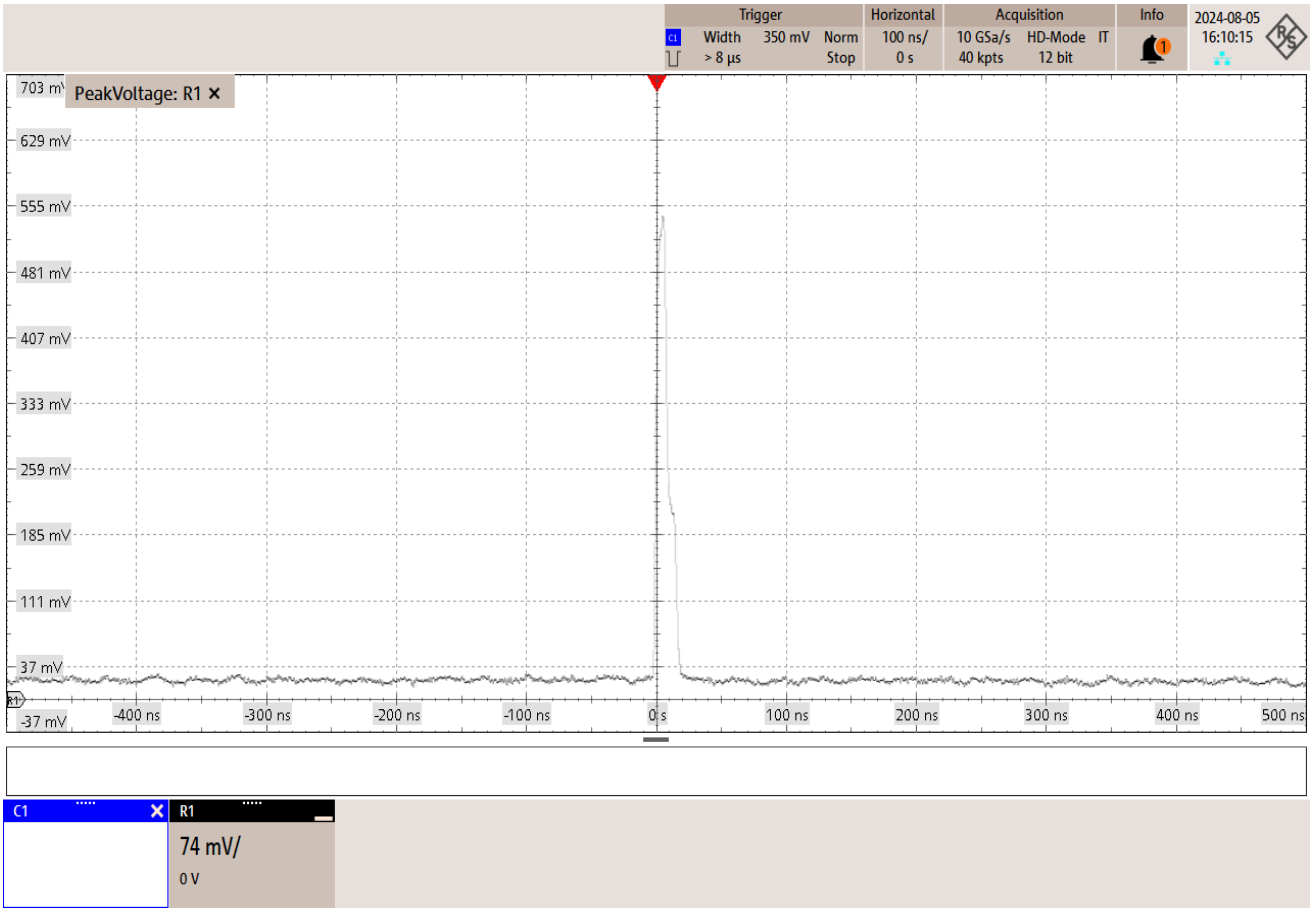
Properties

Name	Value	Name	Value
Average Count	10	Measurement Method	Amplitude
Expert Mode	No		

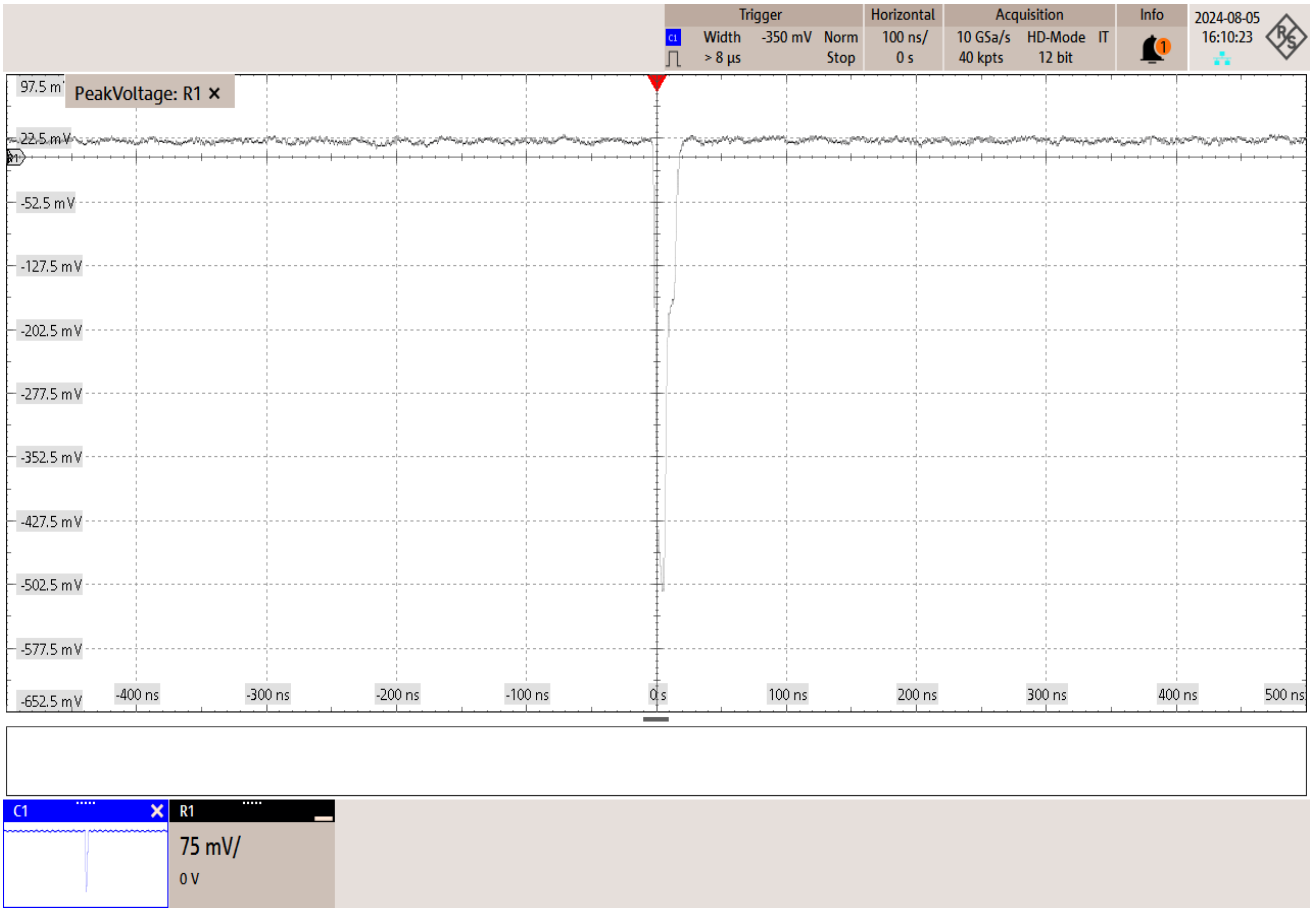
Additional Information

Measurement	Value	Limits
Voltage Point A	765.898 mV	670 mV <= x <= 820 mV
Voltage Point B	780.243 mV	670 mV <= x <= 820 mV
Voltage Point A B difference	0.9235053%	x <= 1 %
Voltage difference between Point C and AVG(A,B)/2	0.5291439%	x <= 2 %
Voltage difference between Point D and AVG(A,B)/2	0.9671496%	x <= 2 %

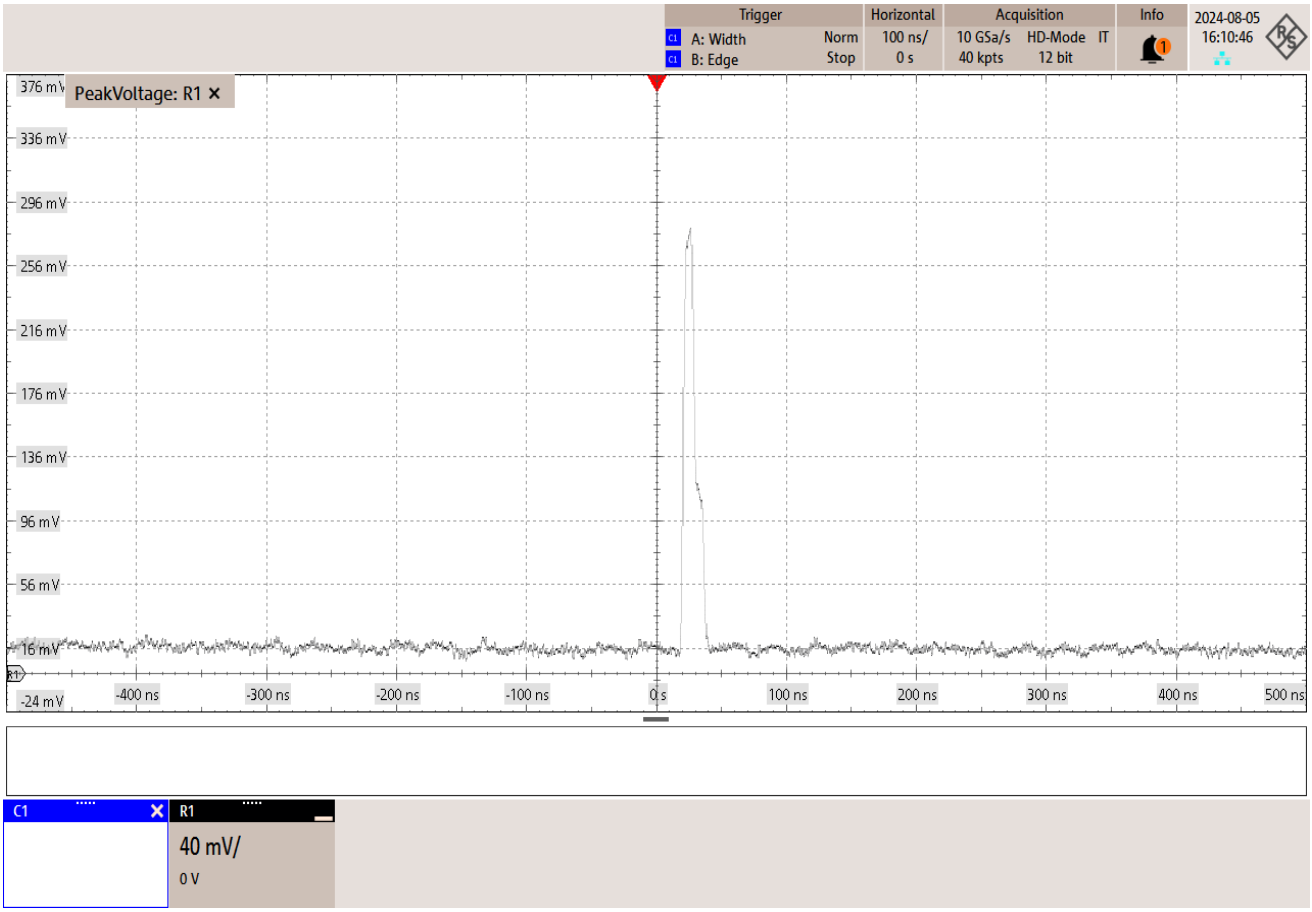
1000BASE-T Peak Voltage With Disturber - 40.6.1.2.1 - Voltage Point A



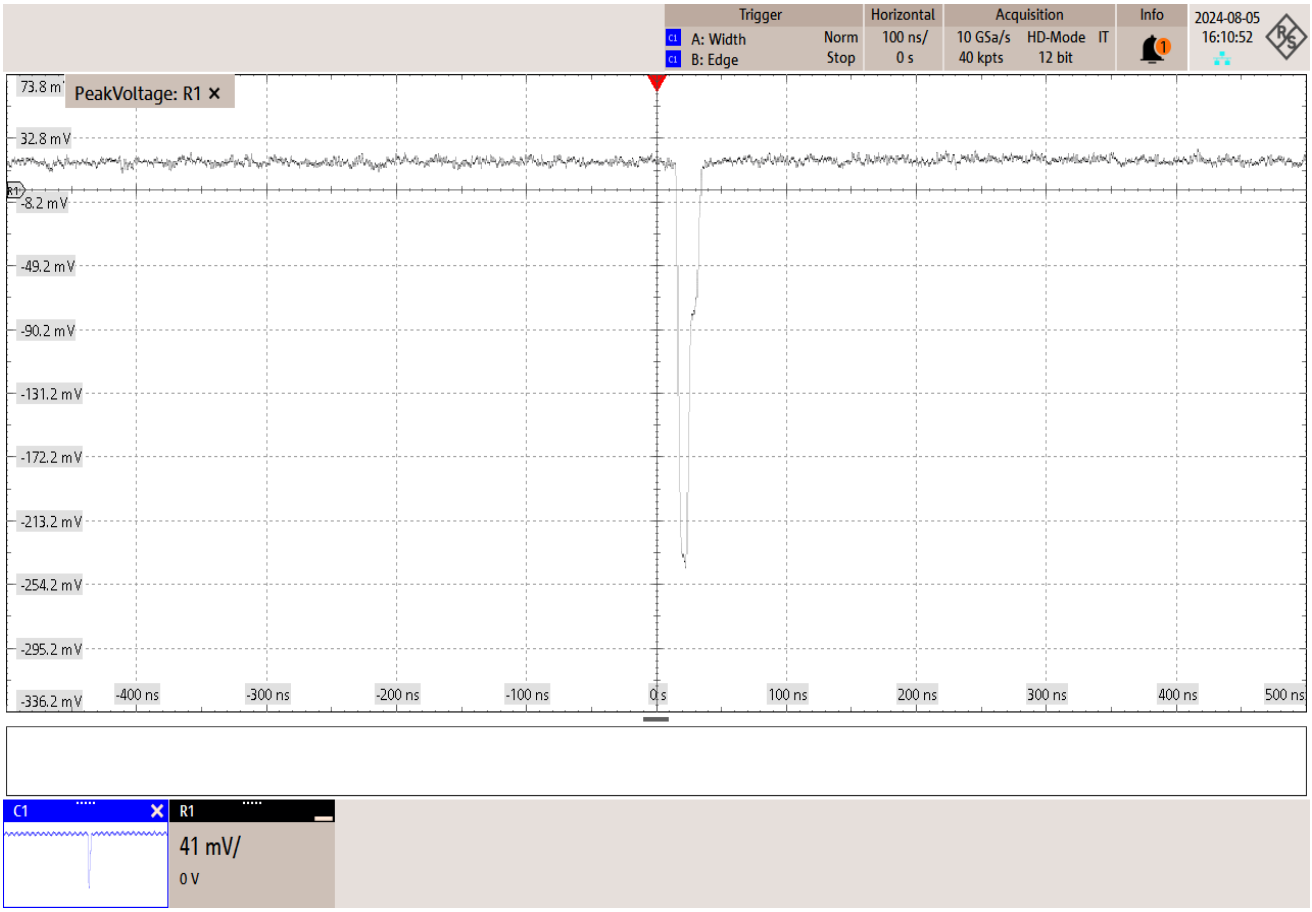
1000BASE-T Peak Voltage With Disturber - 40.6.1.2.1 - Voltage Point B



1000BASE-T Peak Voltage With Disturber - 40.6.1.2.1 - Voltage difference between Point C and AVG(A,B)/2



1000BASE-T Peak Voltage With Disturber - 40.6.1.2.1 - Voltage difference between Point D and AVG(A,B)/2



1000BASE-T Peak Voltage With Disturber - 40.6.1.2.1

Description	Peak Differential Output Voltage and Level Accuracy Test With Disturber
Pair	D
Run	7
Result	Pass
Time	08/05/2024 16:12:27
Comment	

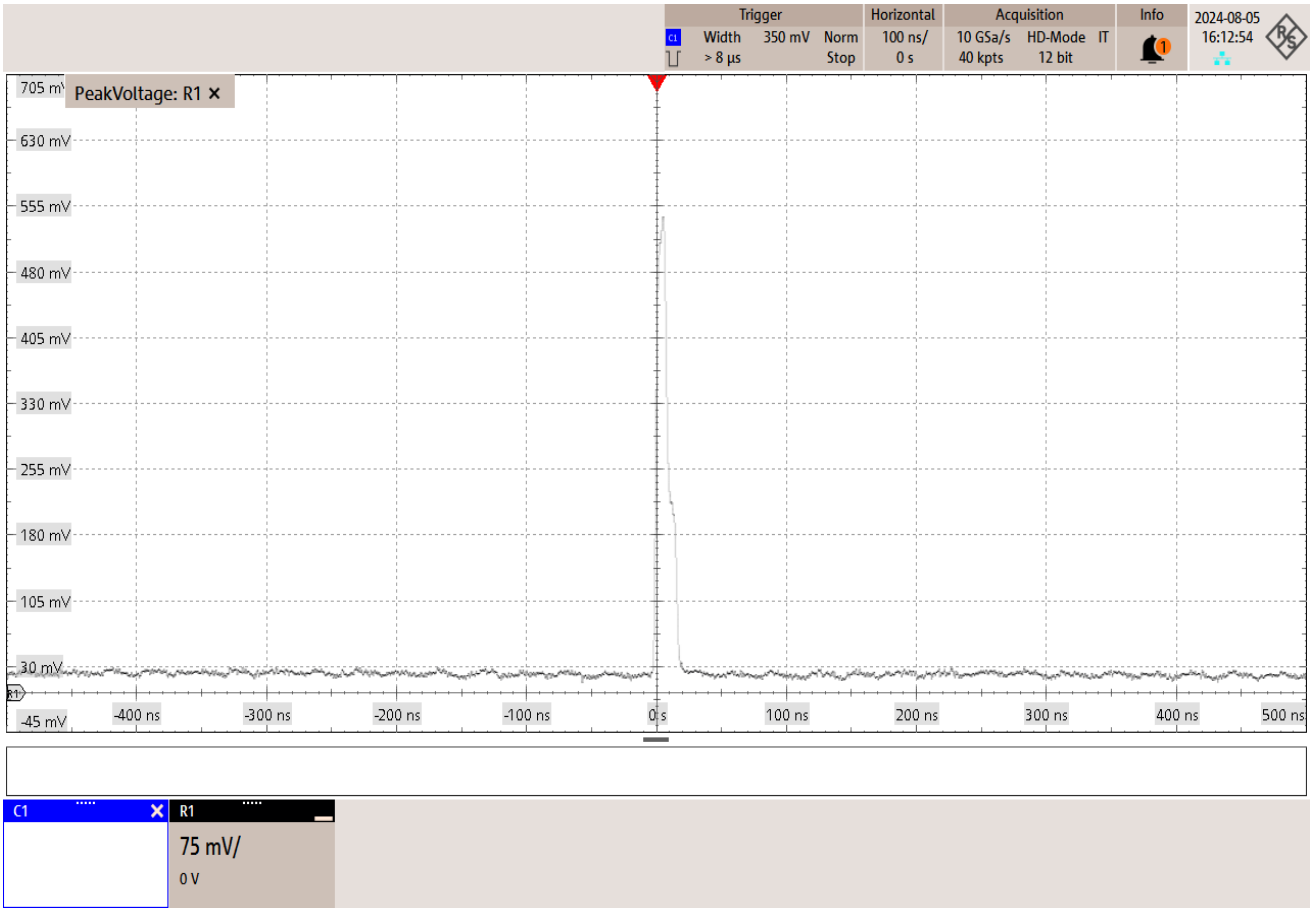
Properties

Name	Value	Name	Value
Average Count	10	Measurement Method	Amplitude
Expert Mode	No		

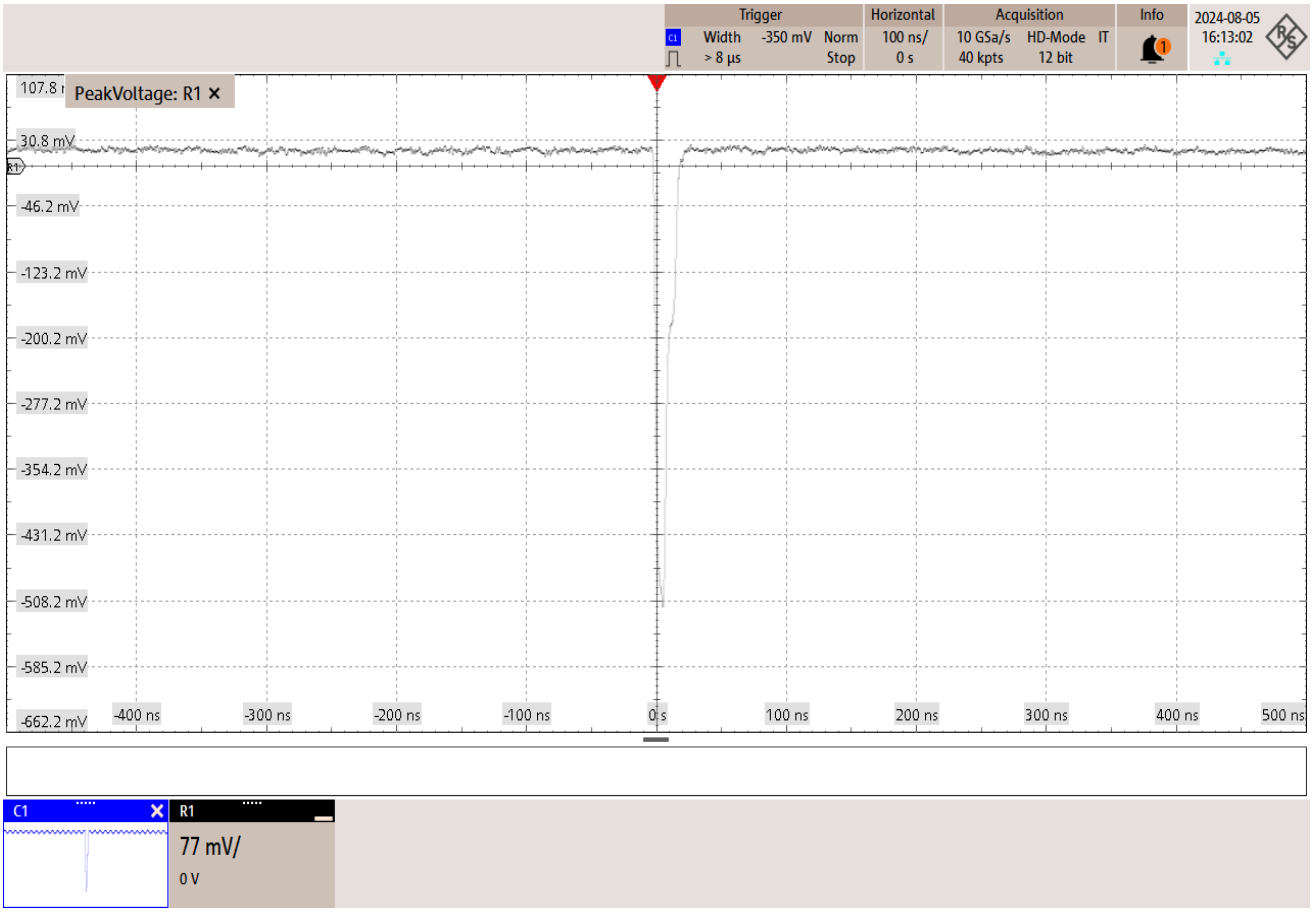
Additional Information

Measurement	Value	Limits
Voltage Point A	772.807 mV	670 mV <= x <= 820 mV
Voltage Point B	787.666 mV	670 mV <= x <= 820 mV
Voltage Point A B difference	0.9476893%	x <= 1 %
Voltage difference between Point C and AVG(A,B)/2	1.869147%	x <= 2 %
Voltage difference between Point D and AVG(A,B)/2	1.356207%	x <= 2 %

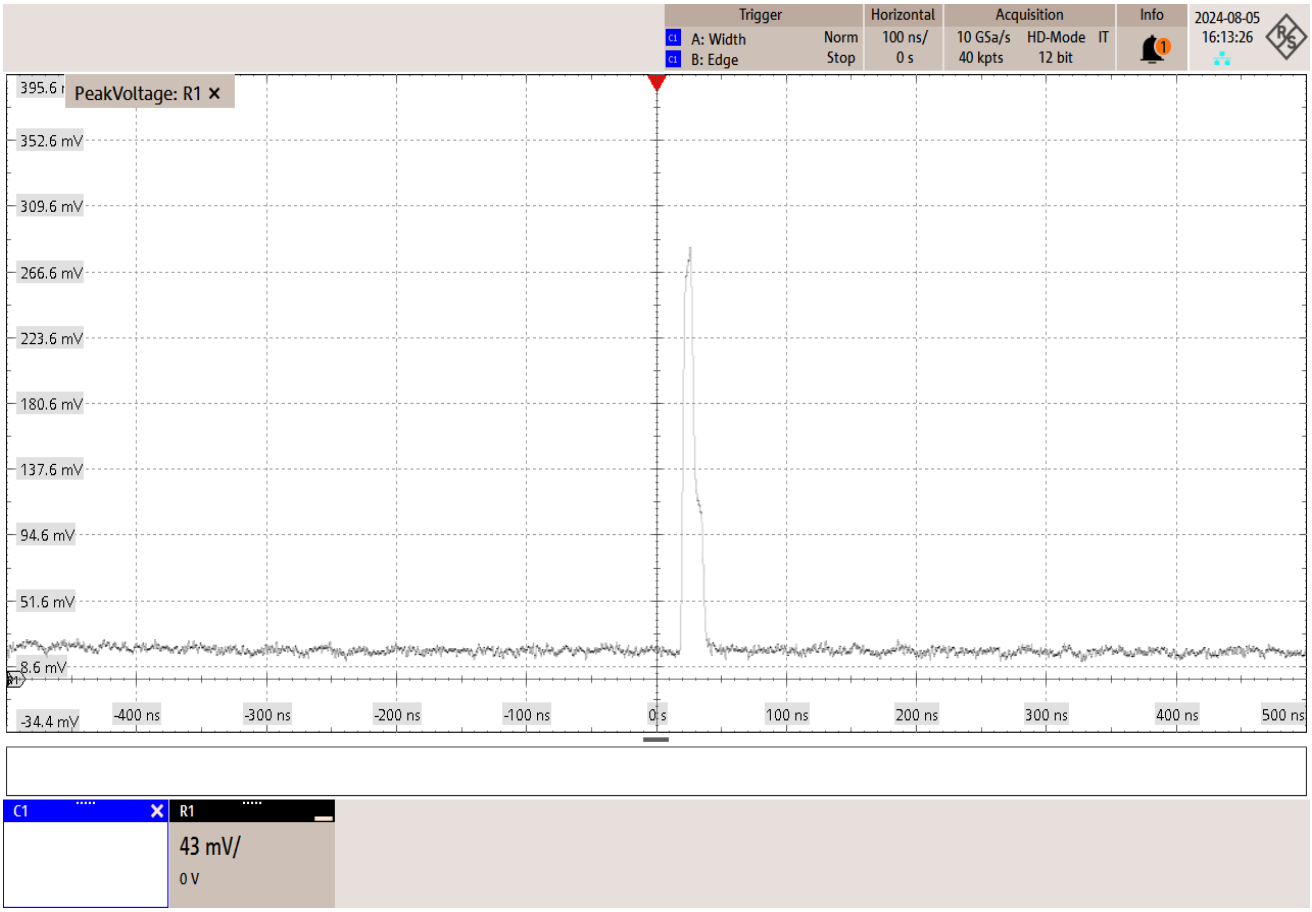
1000BASE-T Peak Voltage With Disturber - 40.6.1.2.1 - Voltage Point A



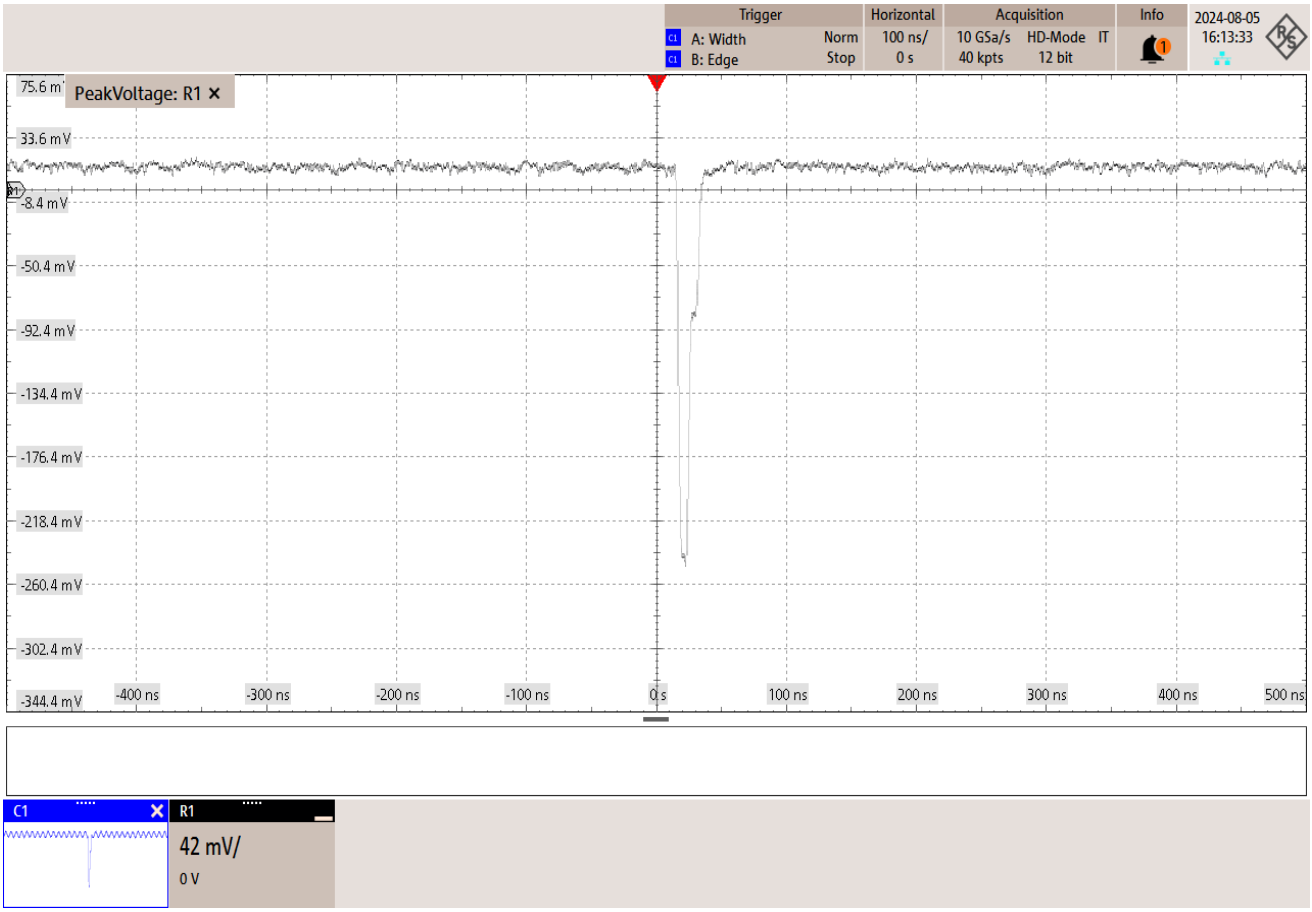
1000BASE-T Peak Voltage With Disturber - 40.6.1.2.1 - Voltage Point B



1000BASE-T Peak Voltage With Disturber - 40.6.1.2.1 - Voltage difference between Point C and AVG(A,B)/2



1000BASE-T Peak Voltage With Disturber - 40.6.1.2.1 - Voltage difference between Point D and AVG(A,B)/2



1000BASE-T Maximum Output Droop With Disturber - 40.6.1.2.2

Description	Maximum Output Droop
Pair	A
Run	1
Result	Pass
Time	07/30/2024 20:51:00
Comment	

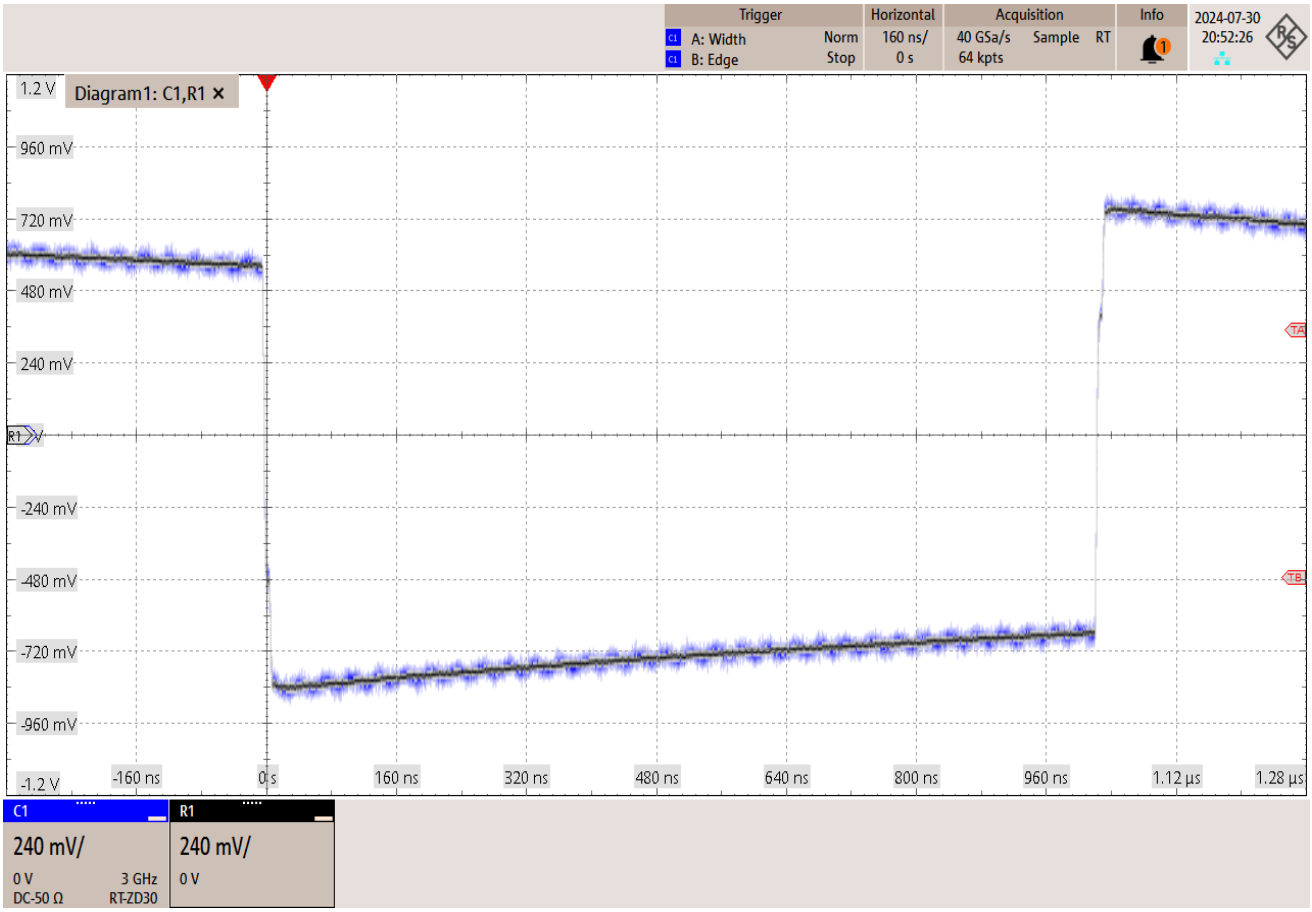
Properties

Name	Value	Name	Value
Average Count	10	Expert Mode	No

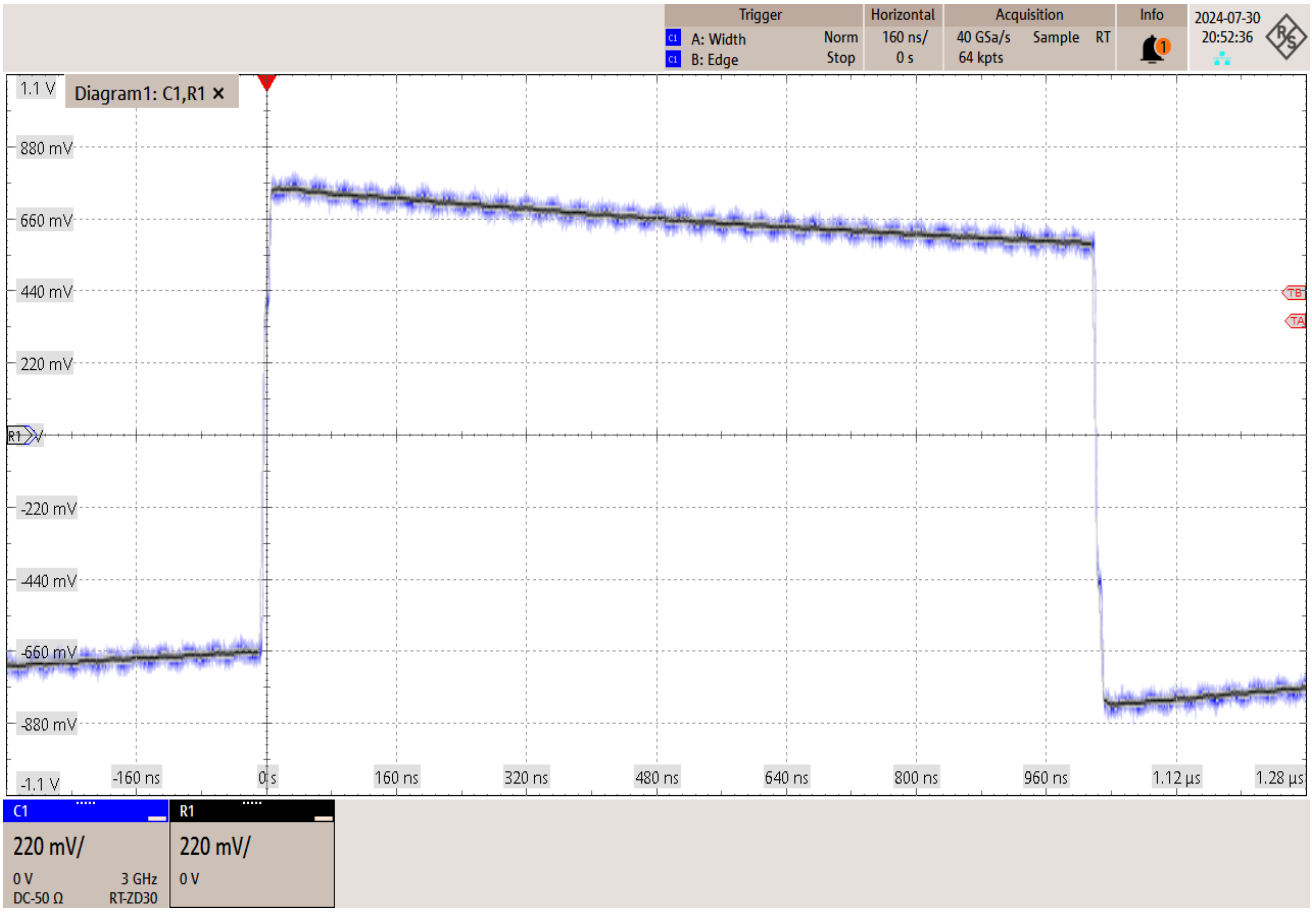
Additional Information

Measurement	Value	Limits
Voltage magnitude at point G versus point F	85.38 %	x >= 73.1 %
Voltage magnitude at point J versus point H	85.6 %	x >= 73.1 %

1000BASE-T Maximum Output Droop With Disturber - 40.6.1.2.2 - Voltage magnitude at point G versus point F



1000BASE-T Maximum Output Droop With Disturber - 40.6.1.2.2 - Voltage magnitude at point J versus point H



1000BASE-T Maximum Output Droop With Disturber - 40.6.1.2.2

Description	Maximum Output Droop
Pair	B
Run	2
Result	Pass
Time	08/05/2024 16:16:42
Comment	

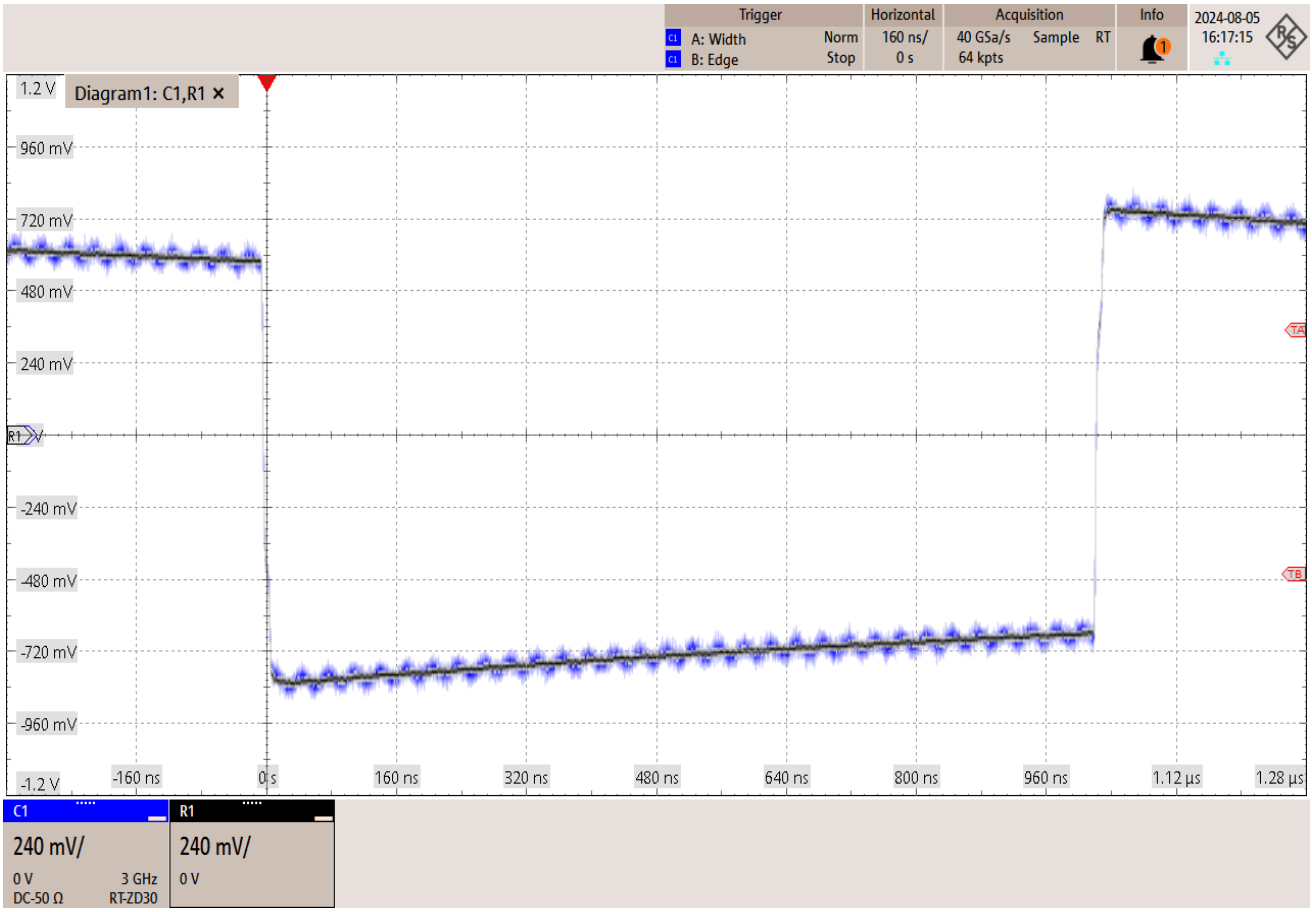
Properties

Name	Value	Name	Value
Average Count	10	Expert Mode	No

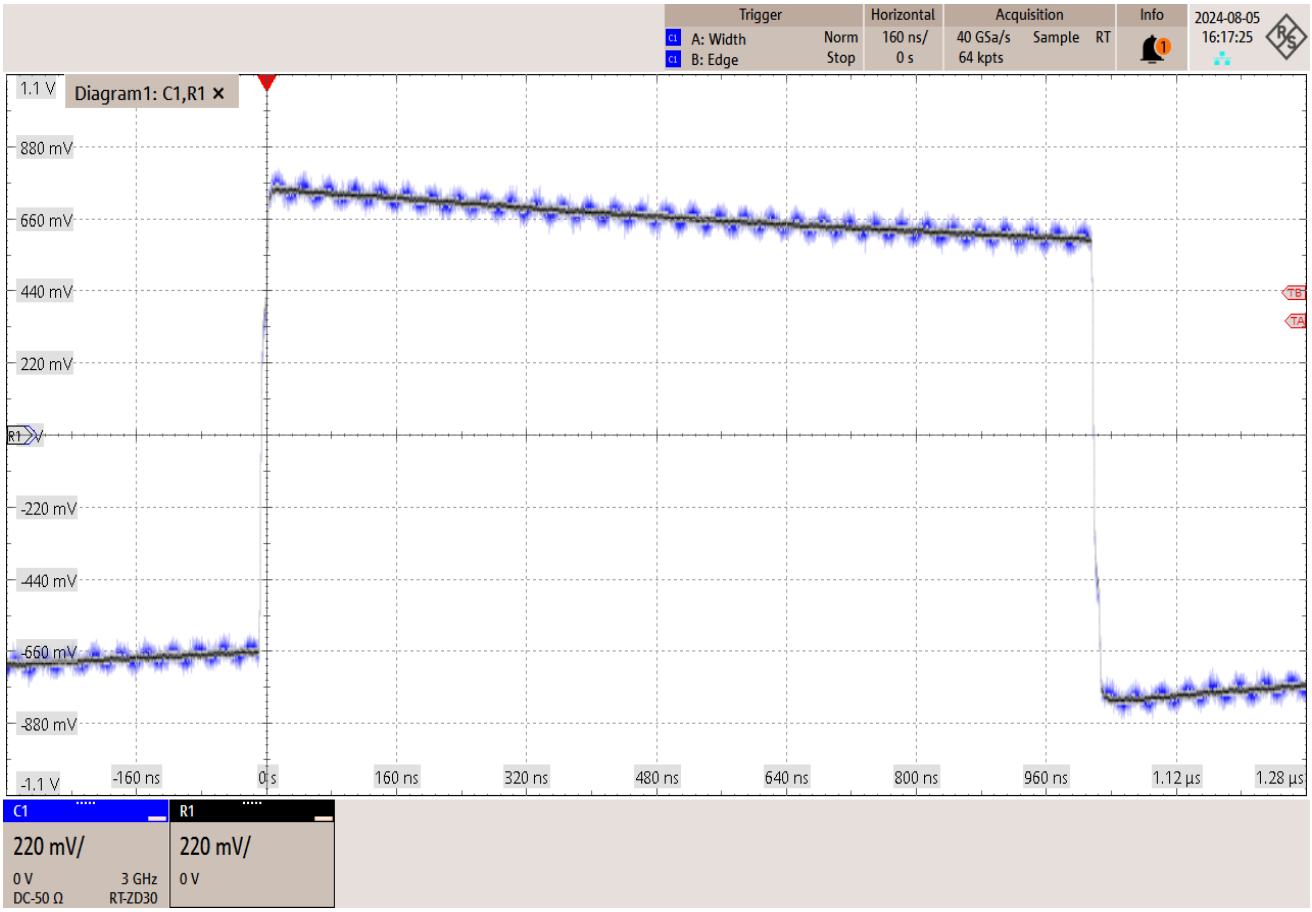
Additional Information

Measurement	Value	Limits
Voltage magnitude at point G versus point F	87.01 %	x >= 73.1 %
Voltage magnitude at point J versus point H	87.02 %	x >= 73.1 %

1000BASE-T Maximum Output Droop With Disturber - 40.6.1.2.2 - Voltage magnitude at point G versus point F



1000BASE-T Maximum Output Droop With Disturber - 40.6.1.2.2 - Voltage magnitude at point J versus point H



1000BASE-T Maximum Output Droop With Disturber - 40.6.1.2.2

Description	Maximum Output Droop
Pair	C
Run	3
Result	Pass
Time	08/05/2024 16:17:42
Comment	

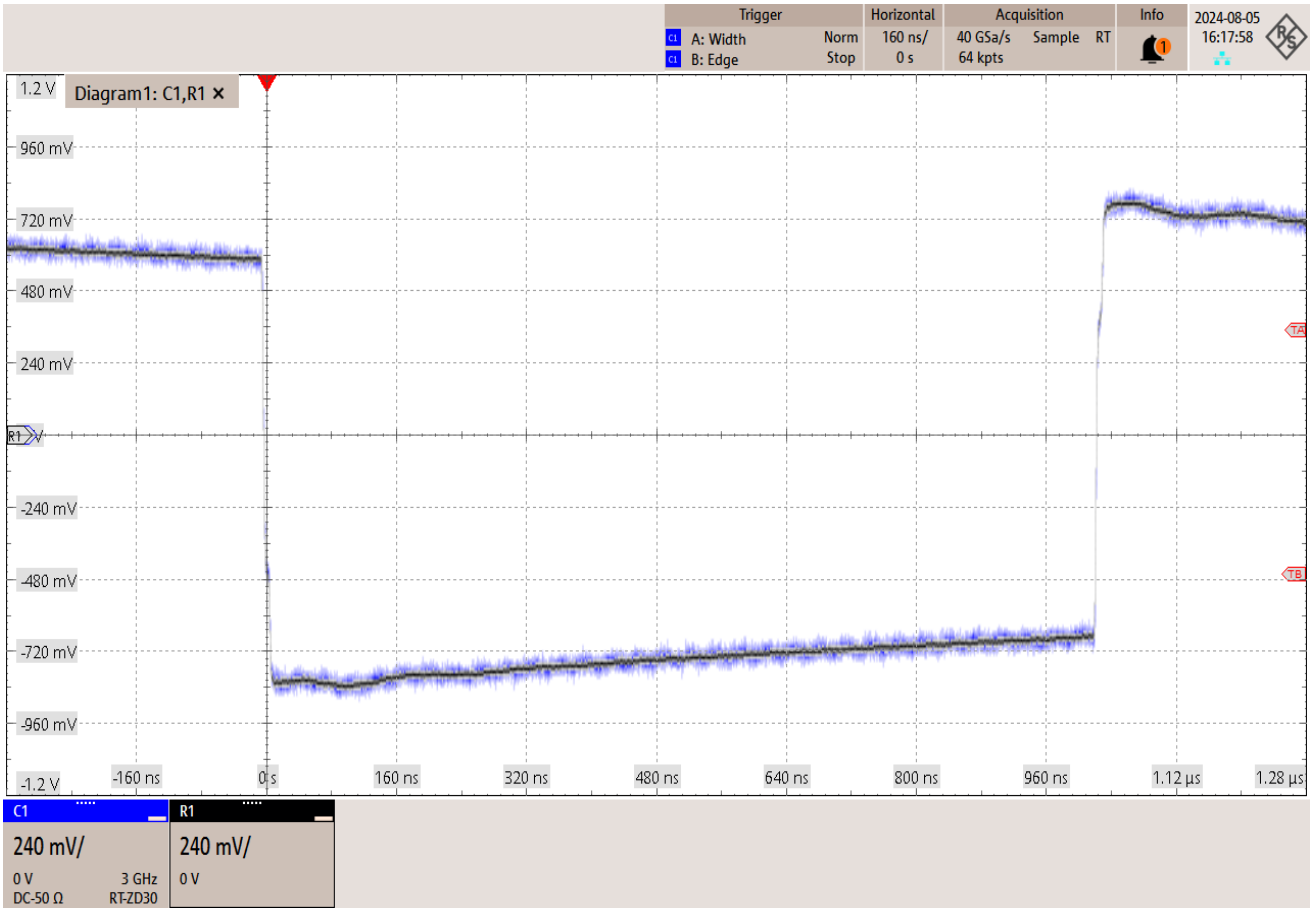
Properties

Name	Value	Name	Value
Average Count	10	Expert Mode	No

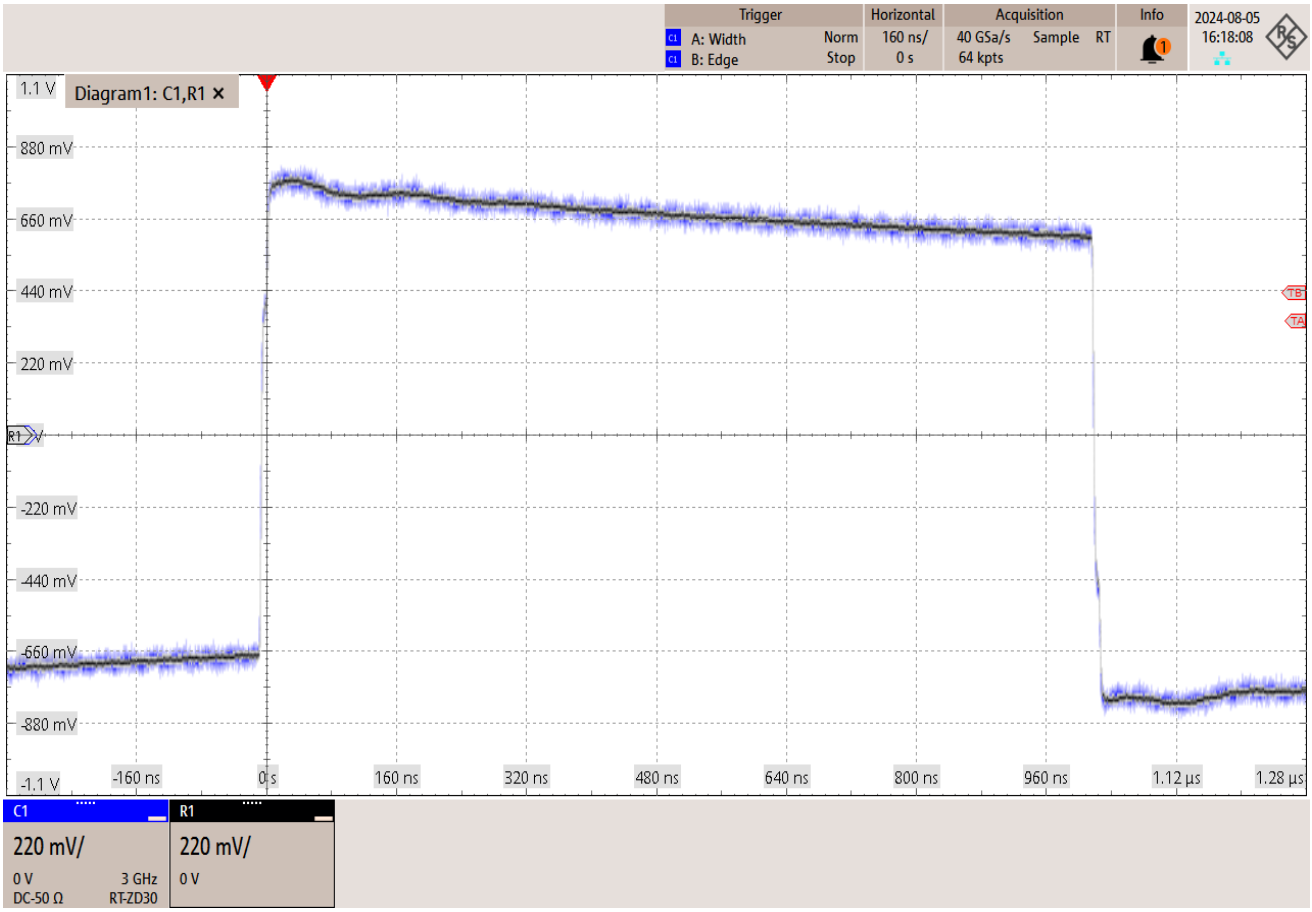
Additional Information

Measurement	Value	Limits
Voltage magnitude at point G versus point F	86.2 %	x >= 73.1 %
Voltage magnitude at point J versus point H	84.46 %	x >= 73.1 %

1000BASE-T Maximum Output Droop With Disturber - 40.6.1.2.2 - Voltage magnitude at point G versus point F



1000BASE-T Maximum Output Droop With Disturber - 40.6.1.2.2 - Voltage magnitude at point J versus point H



1000BASE-T Maximum Output Droop With Disturber - 40.6.1.2.2

Description	Maximum Output Droop
Pair	D
Run	4
Result	Pass
Time	08/05/2024 16:18:19
Comment	

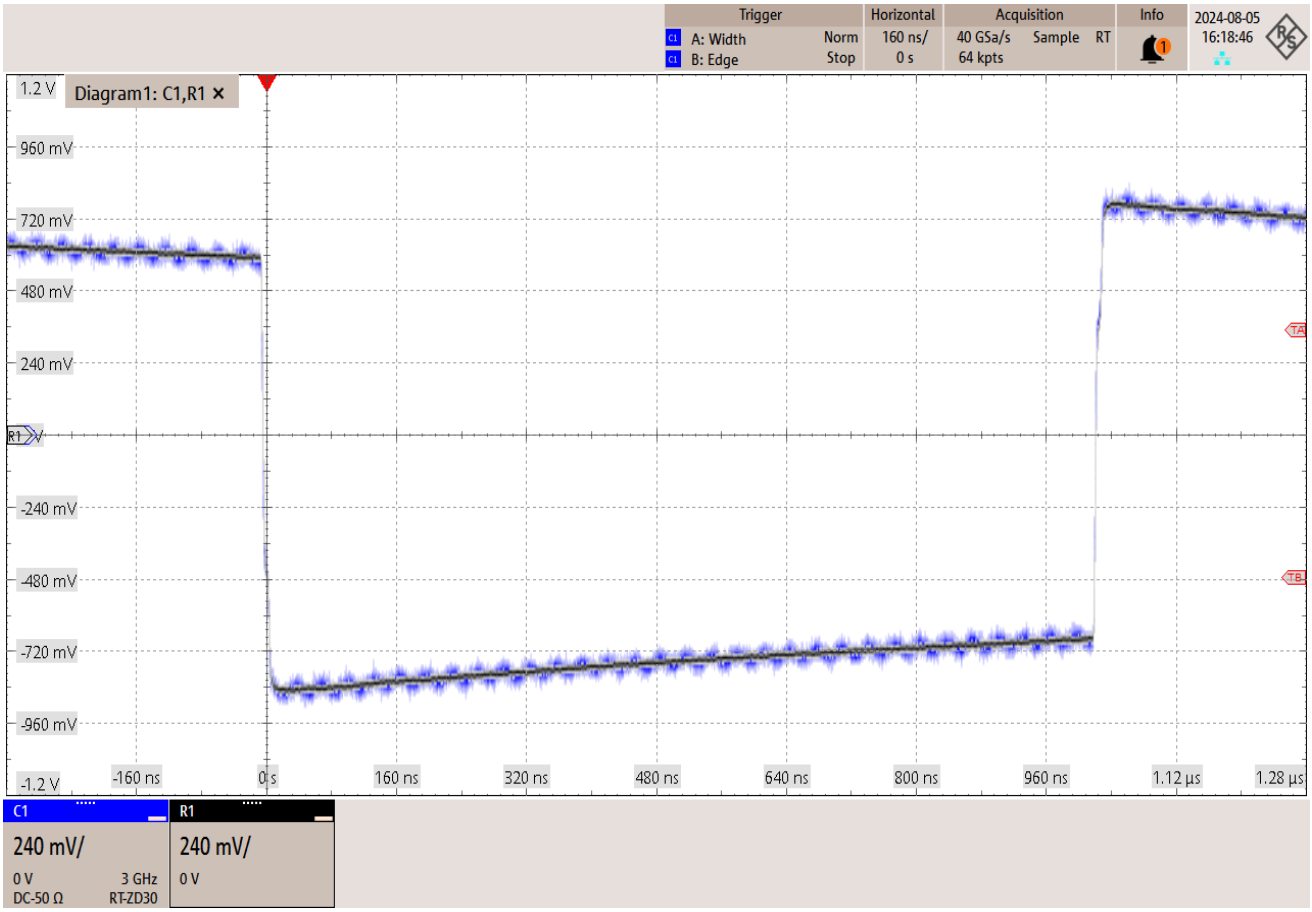
Properties

Name	Value	Name	Value
Average Count	10	Expert Mode	No

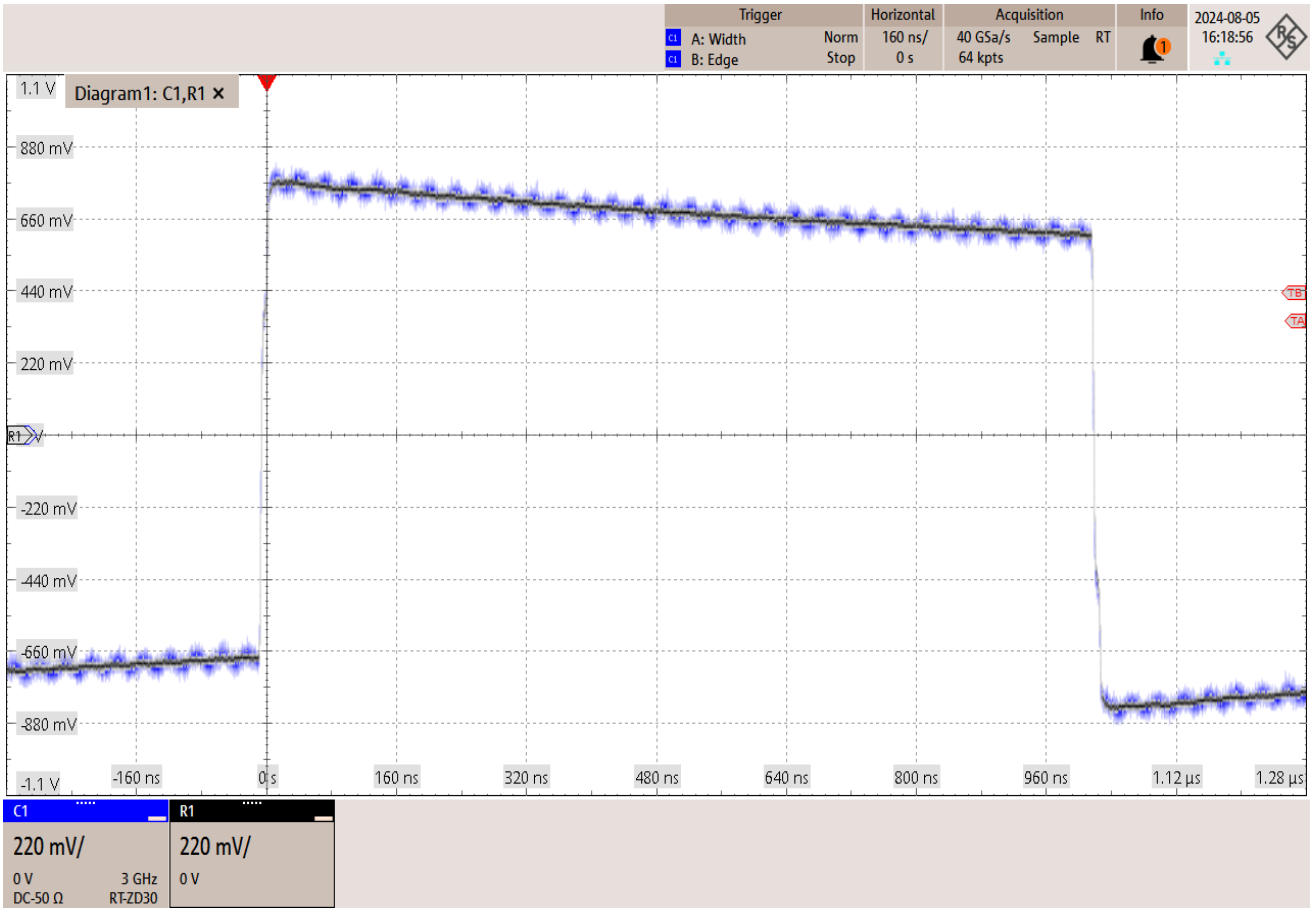
Additional Information

Measurement	Value	Limits
Voltage magnitude at point G versus point F	86.52 %	x >= 73.1 %
Voltage magnitude at point J versus point H	85.12 %	x >= 73.1 %

1000BASE-T Maximum Output Droop With Disturber - 40.6.1.2.2 - Voltage magnitude at point G versus point F



1000BASE-T Maximum Output Droop With Disturber - 40.6.1.2.2 - Voltage magnitude at point J versus point H



1000BASE-T Differential Output Templates With Disturber - 40.6.1.2.3

Description	Normalized Time Domain Transmit Template
Pair	A
Run	10
Result	Pass
Time	08/05/2024 16:26:07
Comment	

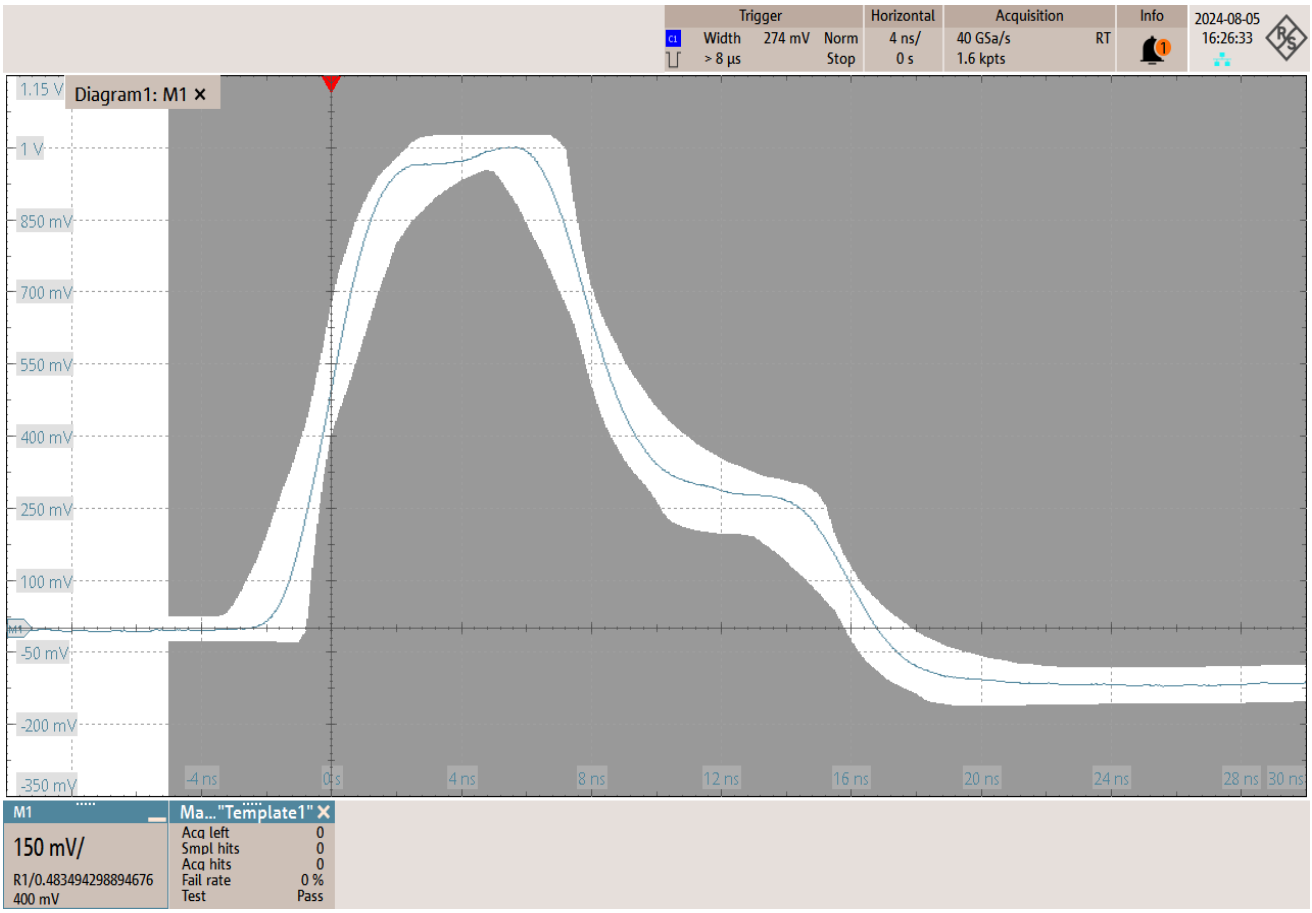
Properties

Name	Value	Name	Value
Average Count	10	Expert Mode	No

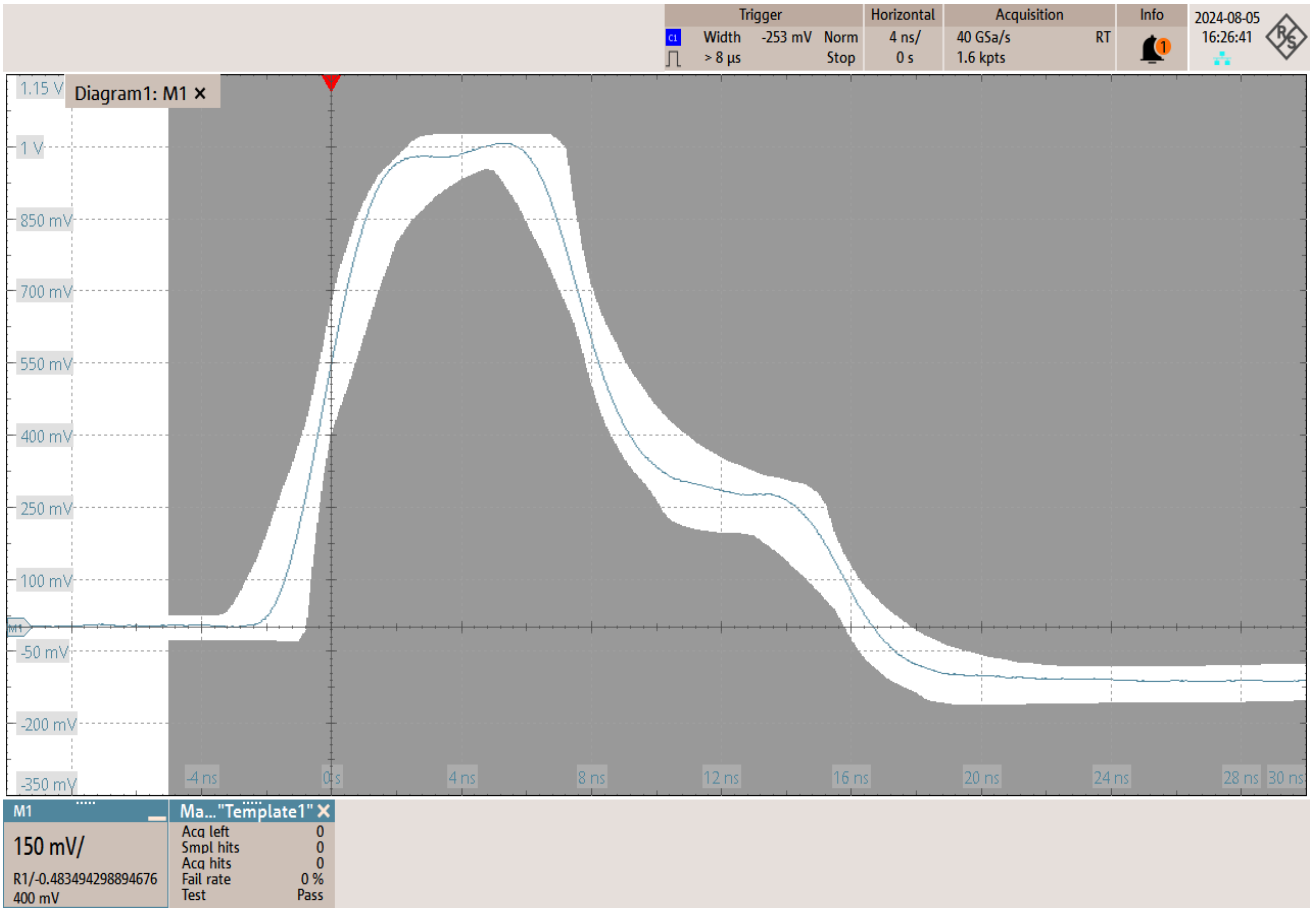
Additional Information

Measurement	Value	Limits
Point A mask	Pass	Meet normalized time domain voltage template 1
Point A normalized time domain voltage template 1 violation points	0	x = 0 Violation Point
Point B mask	Pass	Meet normalized time domain voltage template 1
Point B normalized time domain voltage template 1 violation points	0	x = 0 Violation Point
Point C mask	Pass	Meet normalized time domain voltage template 1
Point C normalized time domain voltage template 1 violation points	0	x = 0 Violation Point
Point D mask	Pass	Meet normalized time domain voltage template 1
Point D normalized time domain voltage template 1 violation points	0	x = 0 Violation Point
Point F mask	Pass	Meet normalized time domain voltage template 2
Point F normalized time domain voltage template 2 violation points	0	x = 0 Violation Point
Point H mask	Pass	Meet normalized time domain voltage template 2
Point H normalized time domain voltage template 2 violation points	0	x = 0 Violation Point

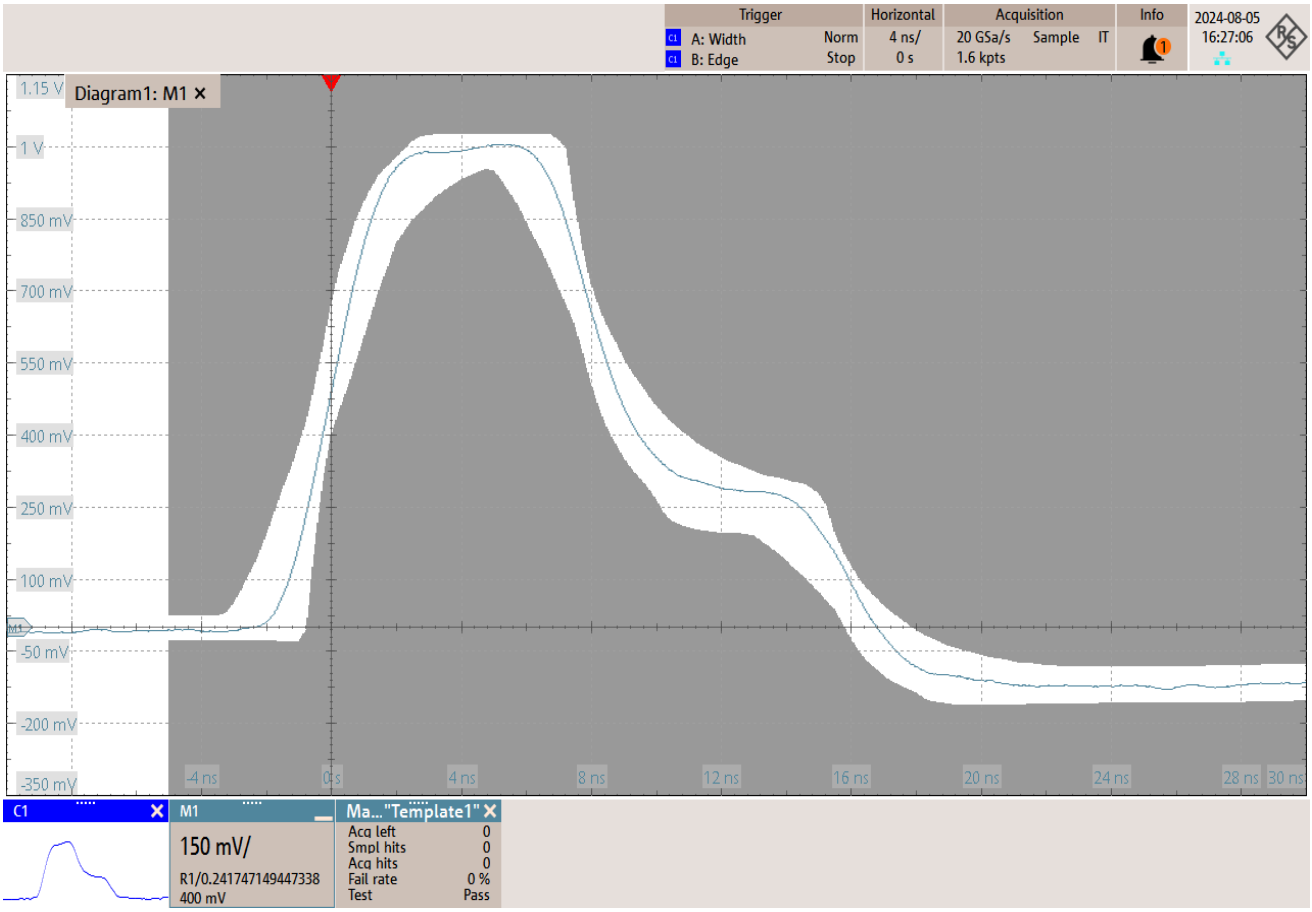
1000BASE-T Differential Output Templates With Disturber - 40.6.1.2.3 - Point A mask



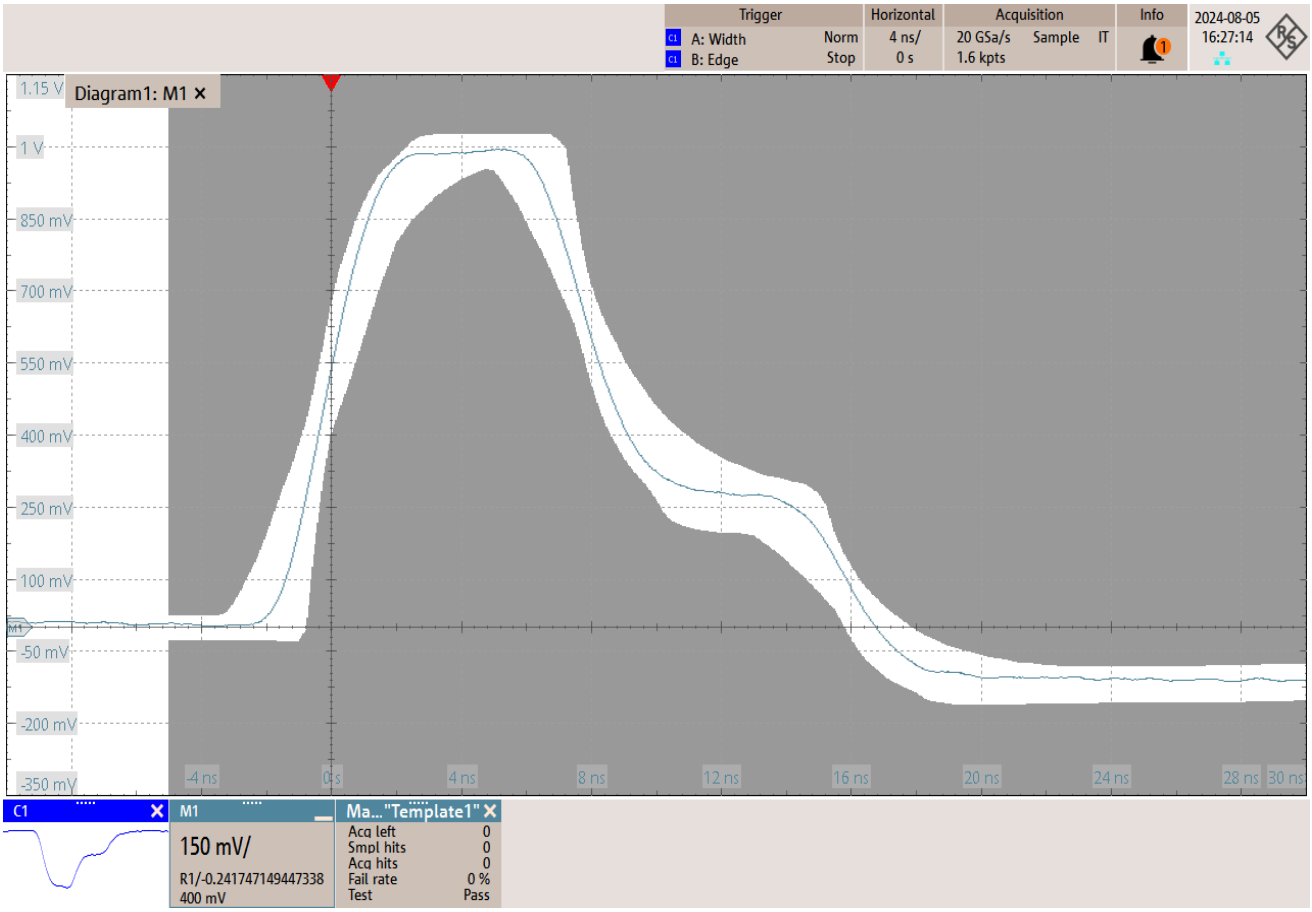
1000BASE-T Differential Output Templates With Disturber - 40.6.1.2.3 - Point B mask



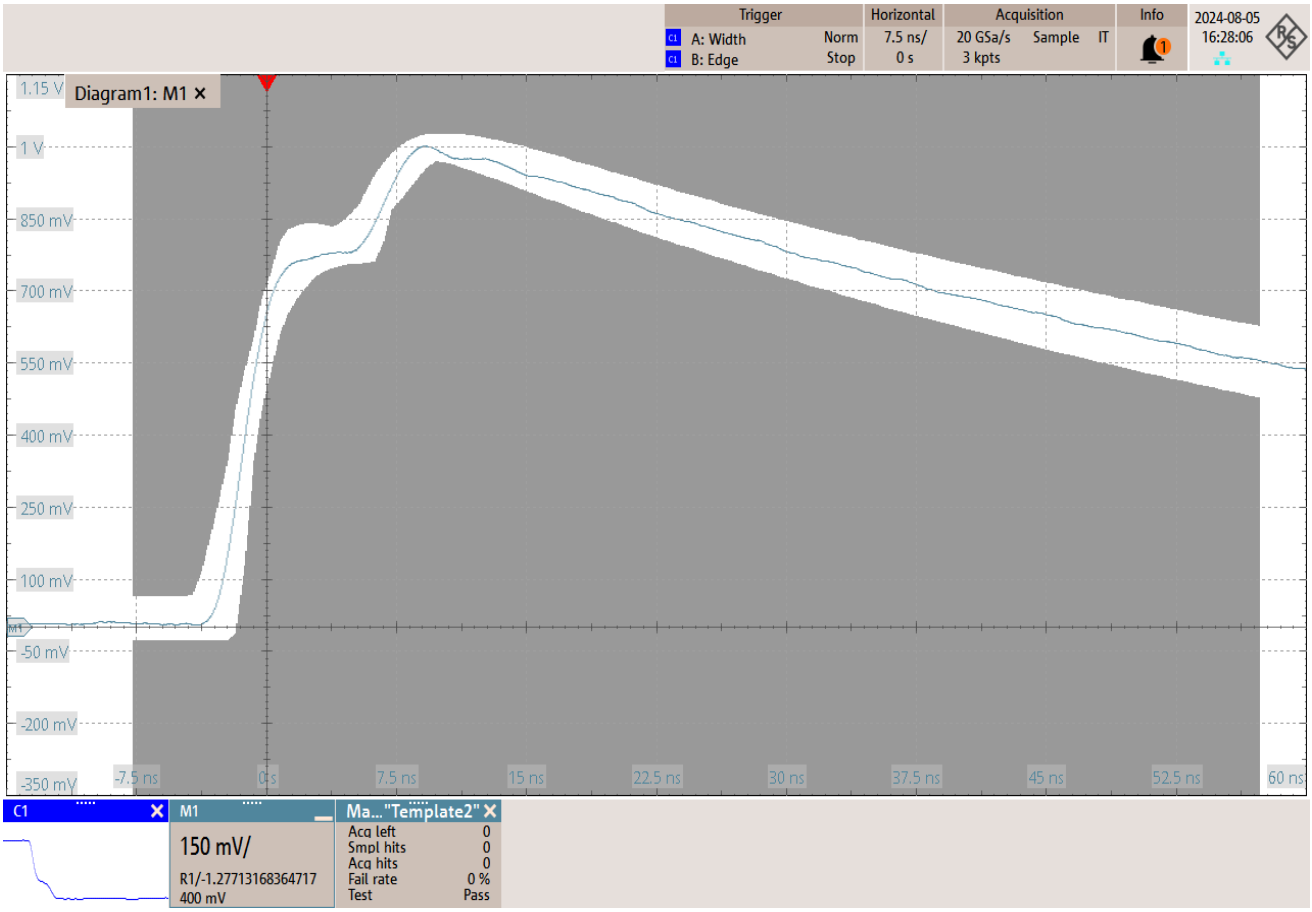
1000BASE-T Differential Output Templates With Disturber - 40.6.1.2.3 - Point C mask



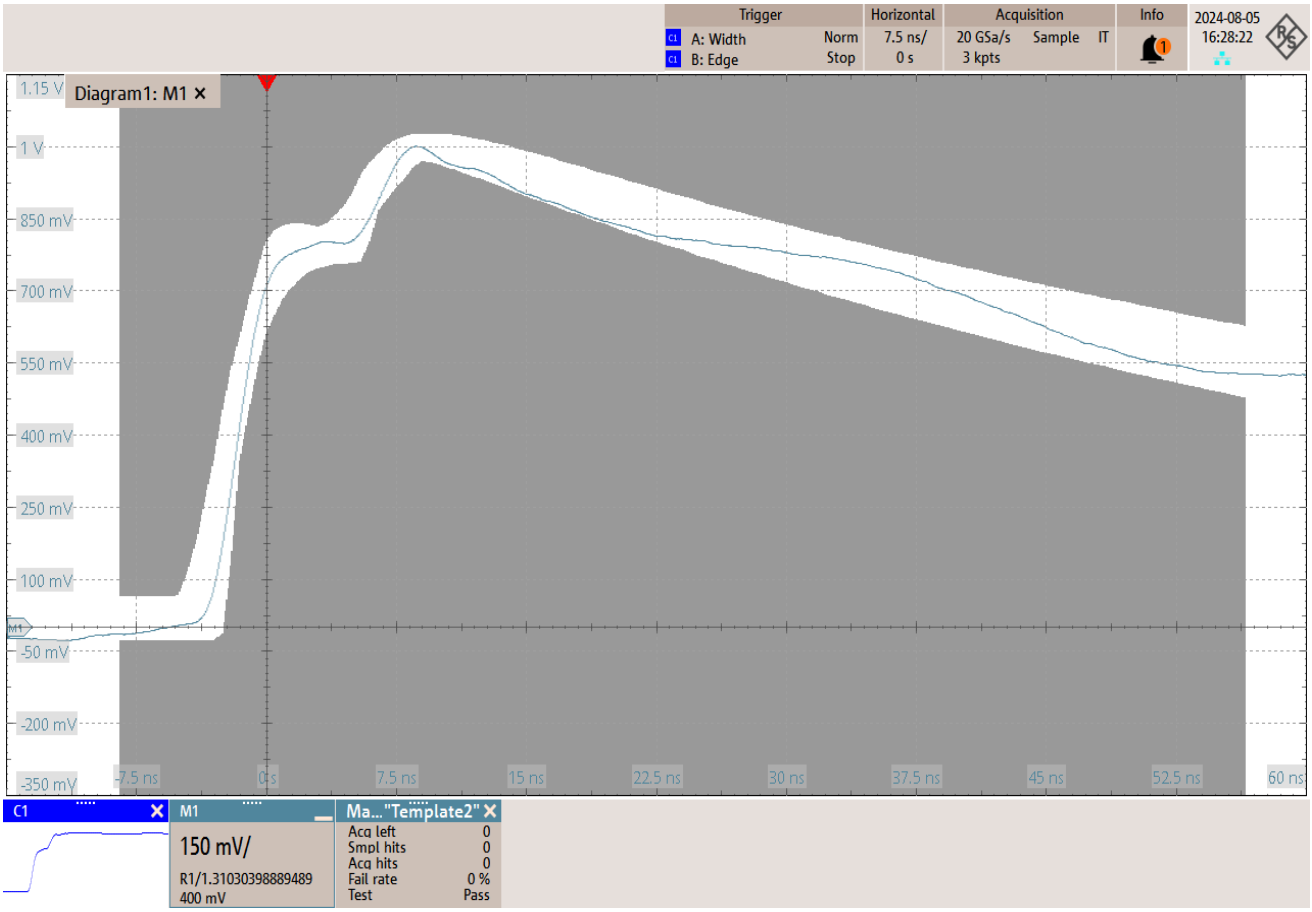
1000BASE-T Differential Output Templates With Disturber - 40.6.1.2.3 - Point D mask



1000BASE-T Differential Output Templates With Disturber - 40.6.1.2.3 - Point F mask



1000BASE-T Differential Output Templates With Disturber - 40.6.1.2.3 - Point H mask



1000BASE-T Differential Output Templates With Disturber - 40.6.1.2.3

Description	Normalized Time Domain Transmit Template
Pair	B
Run	7
Result	Pass
Time	08/05/2024 15:57:17
Comment	

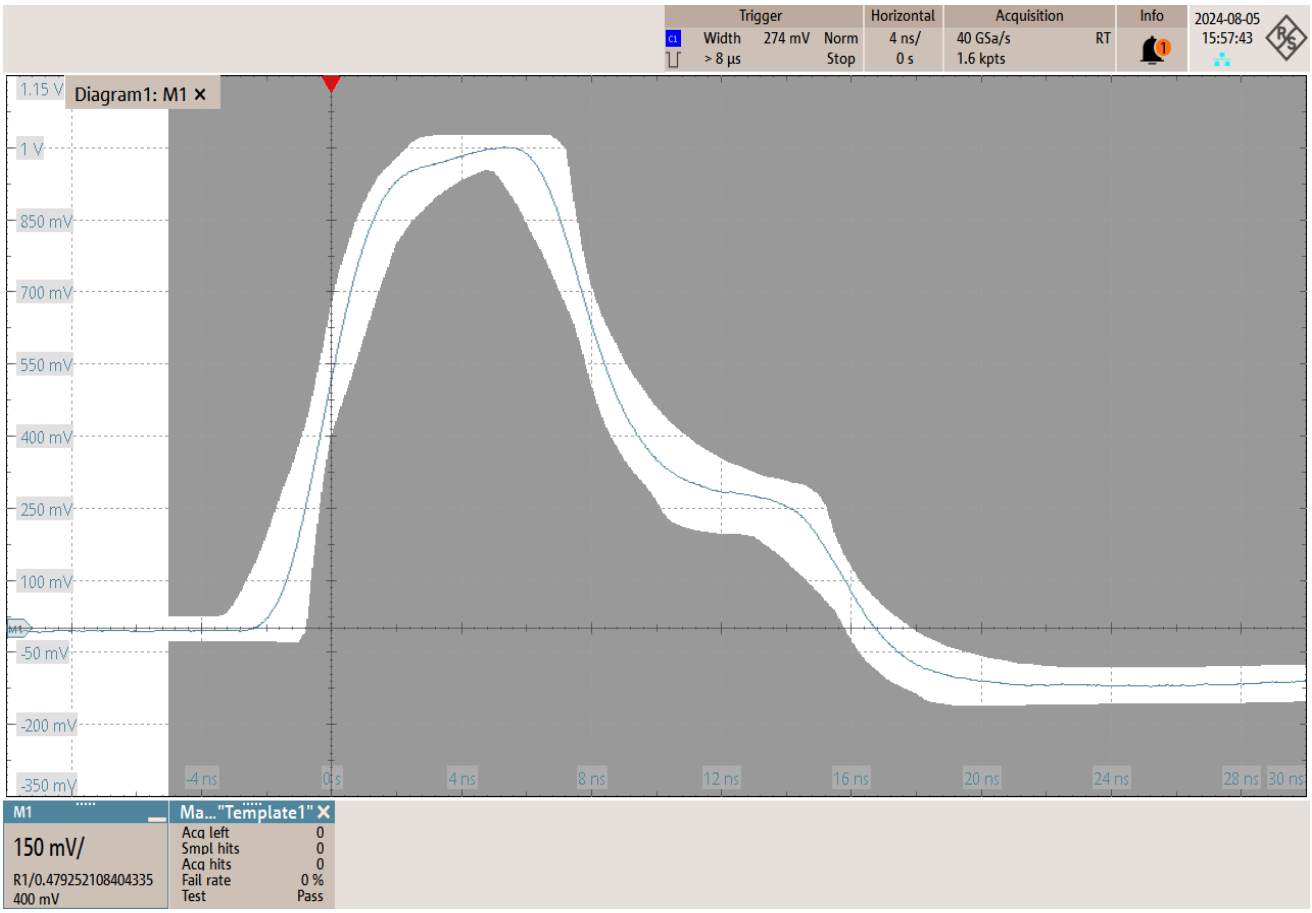
Properties

Name	Value	Name	Value
Average Count	10	Expert Mode	No

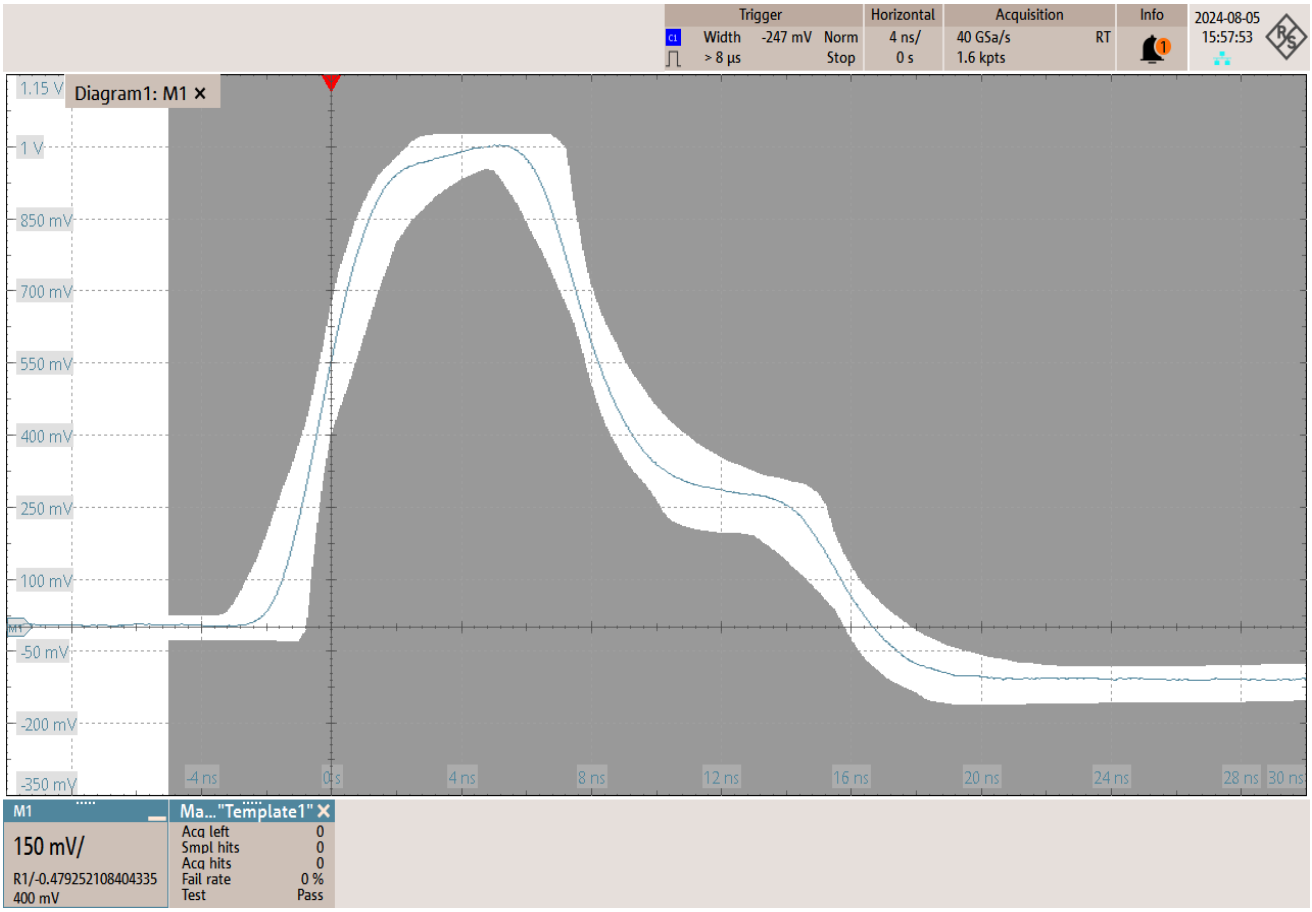
Additional Information

Measurement	Value	Limits
Point A mask	Pass	Meet normalized time domain voltage template 1
Point A normalized time domain voltage template 1 violation points	0	x = 0 Violation Point
Point B mask	Pass	Meet normalized time domain voltage template 1
Point B normalized time domain voltage template 1 violation points	0	x = 0 Violation Point
Point C mask	Pass	Meet normalized time domain voltage template 1
Point C normalized time domain voltage template 1 violation points	0	x = 0 Violation Point
Point D mask	Pass	Meet normalized time domain voltage template 1
Point D normalized time domain voltage template 1 violation points	0	x = 0 Violation Point
Point F mask	Pass	Meet normalized time domain voltage template 2
Point F normalized time domain voltage template 2 violation points	0	x = 0 Violation Point
Point H mask	Pass	Meet normalized time domain voltage template 2
Point H normalized time domain voltage template 2 violation points	0	x = 0 Violation Point

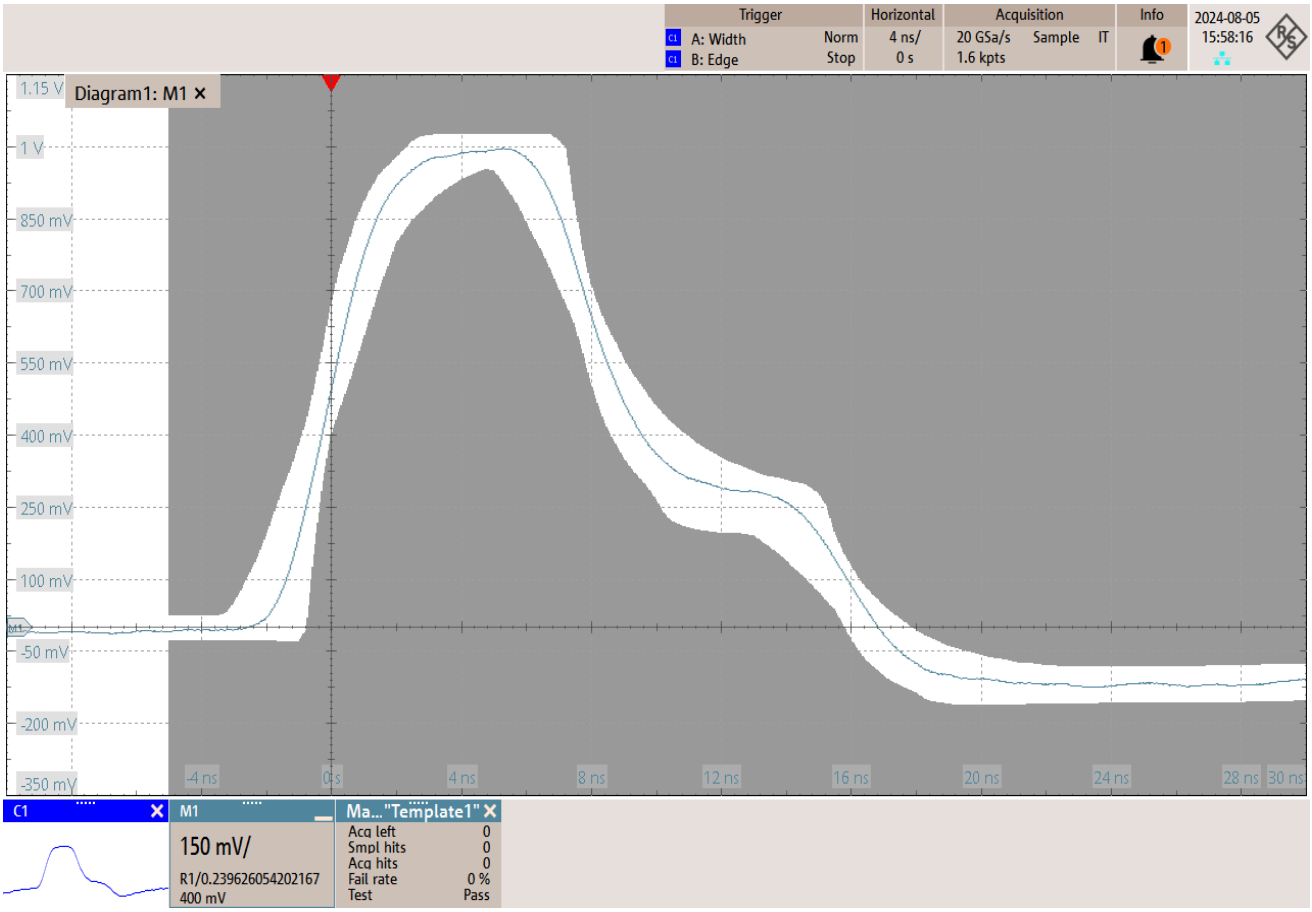
1000BASE-T Differential Output Templates With Disturber - 40.6.1.2.3 - Point A mask



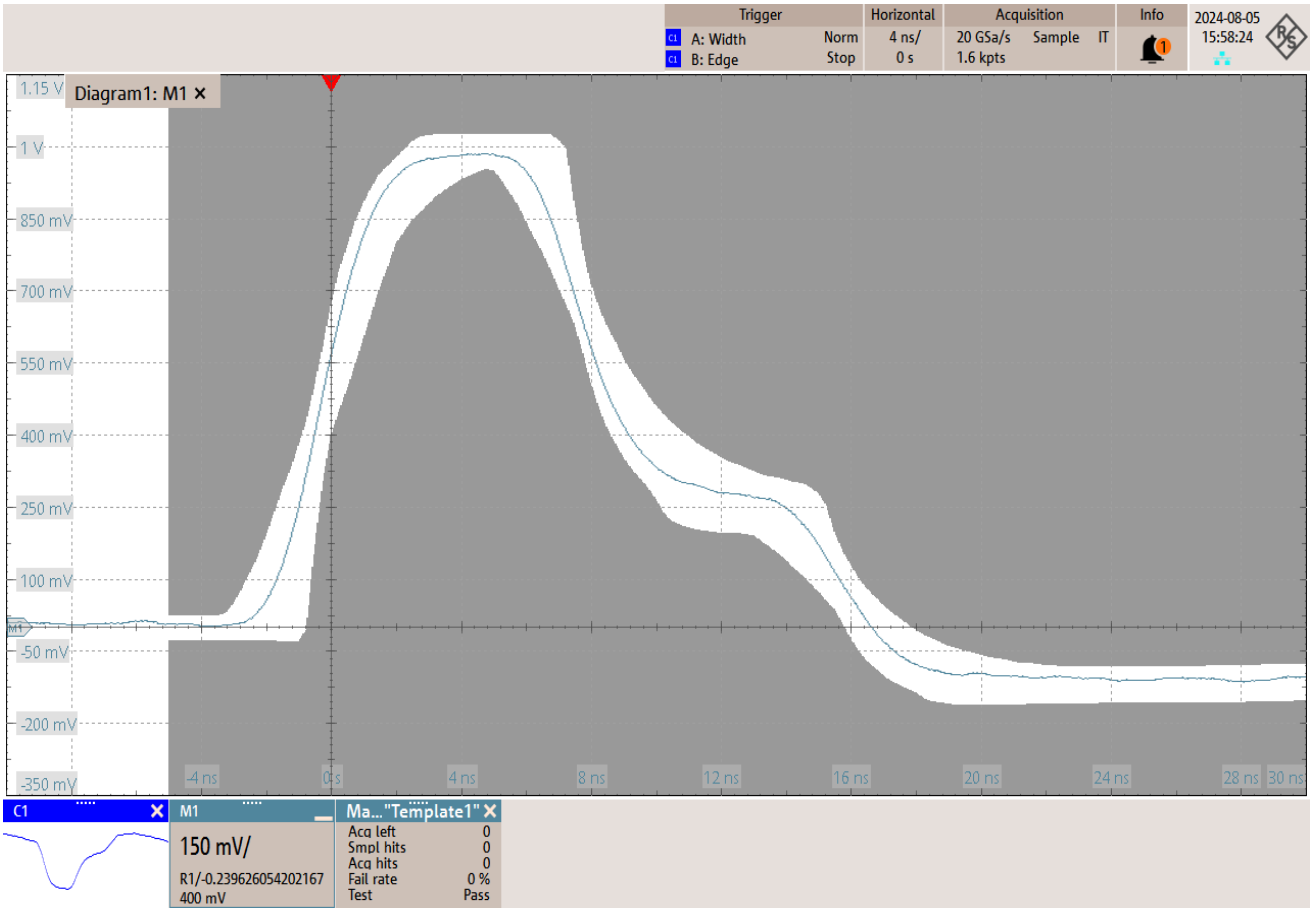
1000BASE-T Differential Output Templates With Disturber - 40.6.1.2.3 - Point B mask



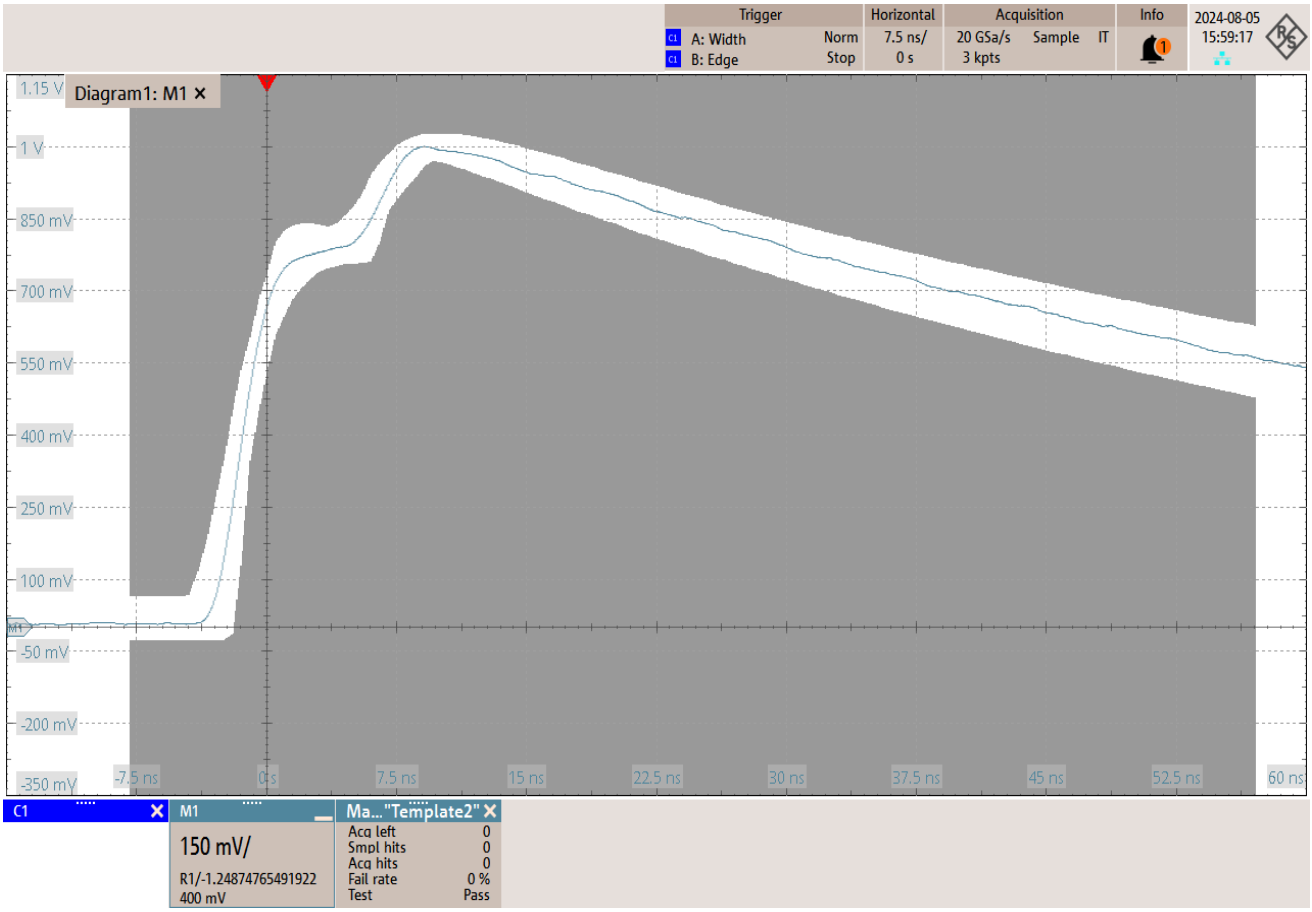
1000BASE-T Differential Output Templates With Disturber - 40.6.1.2.3 - Point C mask



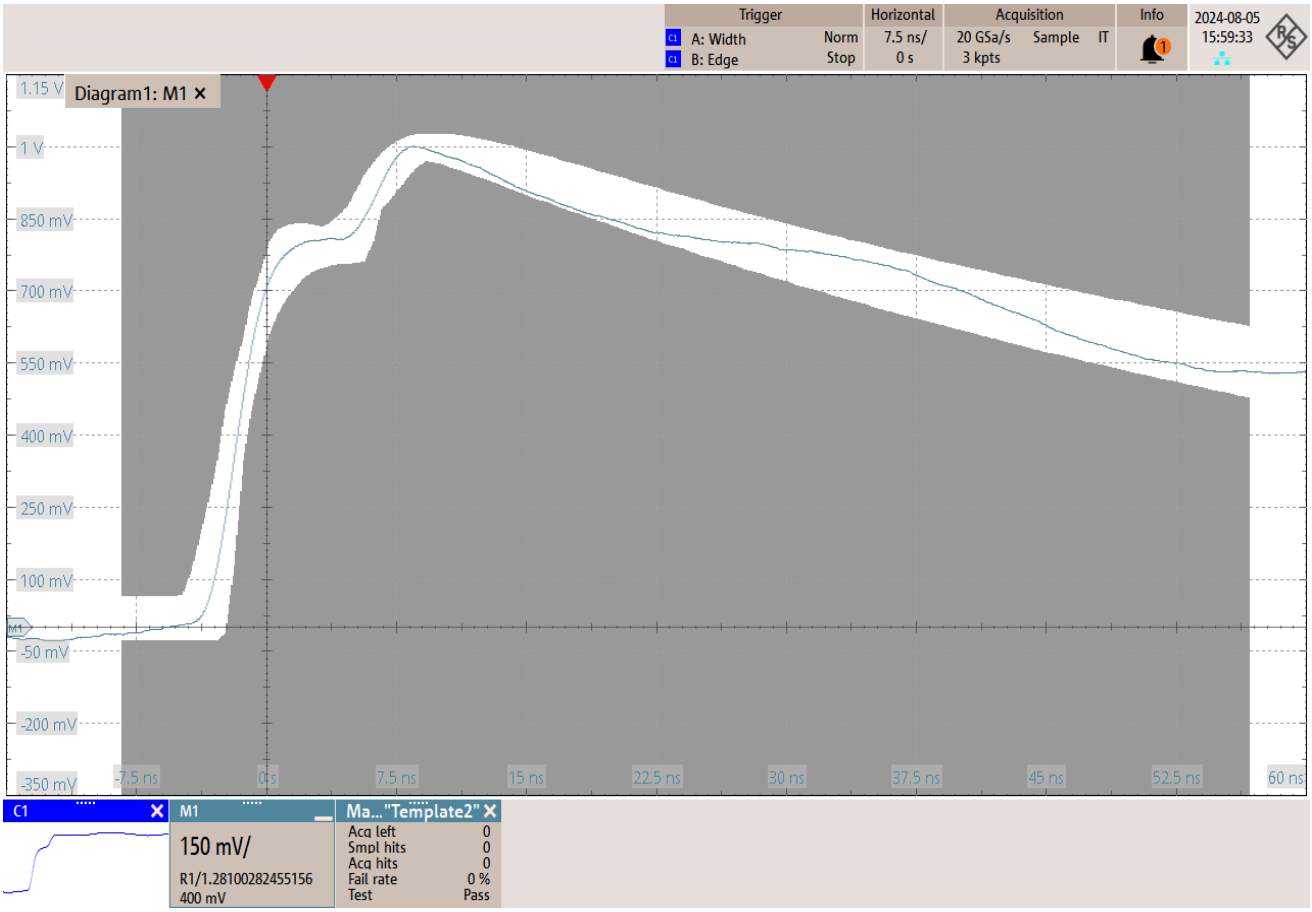
1000BASE-T Differential Output Templates With Disturber - 40.6.1.2.3 - Point D mask



1000BASE-T Differential Output Templates With Disturber - 40.6.1.2.3 - Point F mask



1000BASE-T Differential Output Templates With Disturber - 40.6.1.2.3 - Point H mask



1000BASE-T Differential Output Templates With Disturber - 40.6.1.2.3

Description	Normalized Time Domain Transmit Template
Pair	C
Run	9
Result	Pass
Time	08/05/2024 16:23:30
Comment	

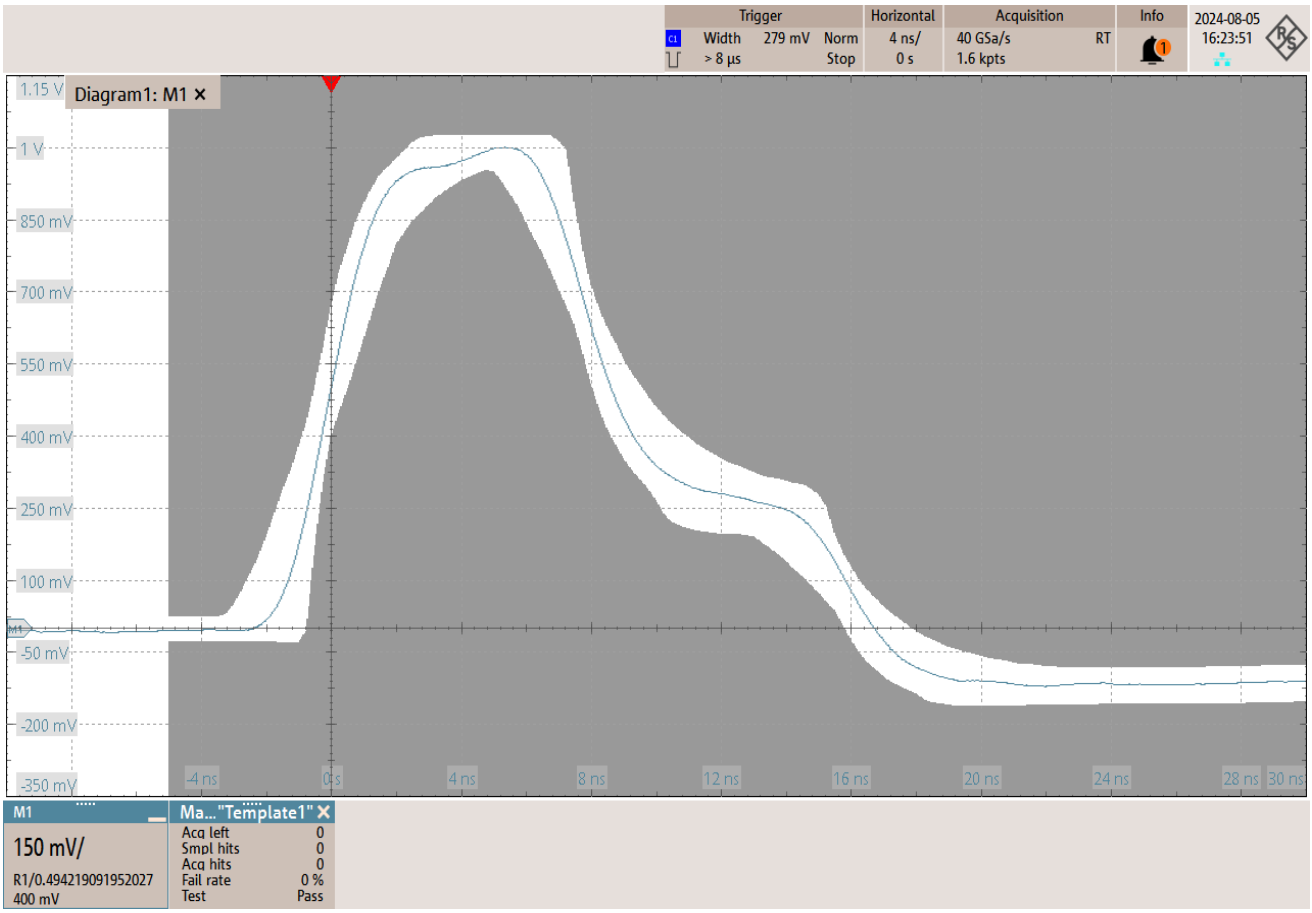
Properties

Name	Value	Name	Value
Average Count	10	Expert Mode	No

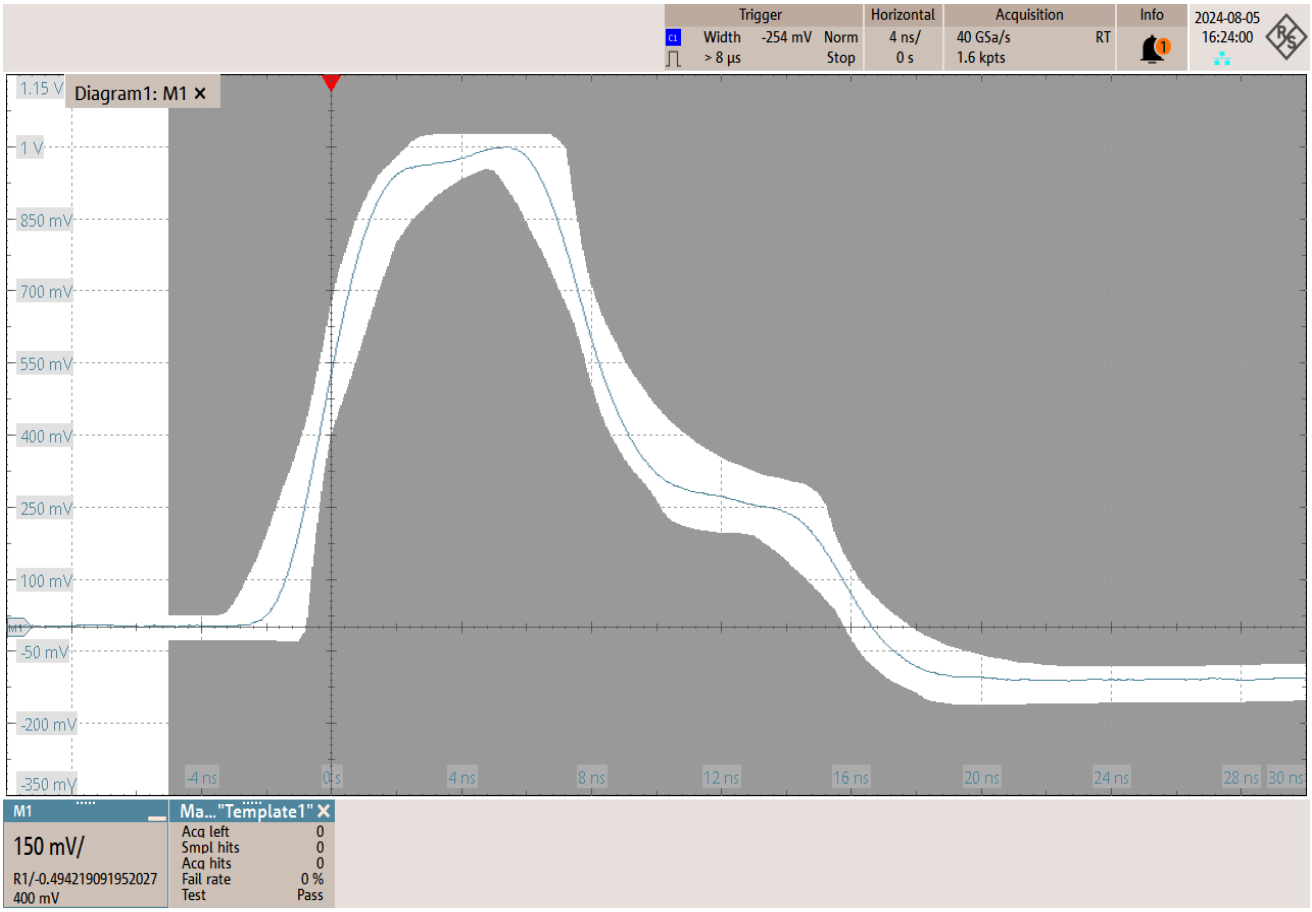
Additional Information

Measurement	Value	Limits
Point A mask	Pass	Meet normalized time domain voltage template 1
Point A normalized time domain voltage template 1 violation points	0	x = 0 Violation Point
Point B mask	Pass	Meet normalized time domain voltage template 1
Point B normalized time domain voltage template 1 violation points	0	x = 0 Violation Point
Point C mask	Pass	Meet normalized time domain voltage template 1
Point C normalized time domain voltage template 1 violation points	0	x = 0 Violation Point
Point D mask	Pass	Meet normalized time domain voltage template 1
Point D normalized time domain voltage template 1 violation points	0	x = 0 Violation Point
Point F mask	Pass	Meet normalized time domain voltage template 2
Point F normalized time domain voltage template 2 violation points	0	x = 0 Violation Point
Point H mask	Pass	Meet normalized time domain voltage template 2
Point H normalized time domain voltage template 2 violation points	0	x = 0 Violation Point

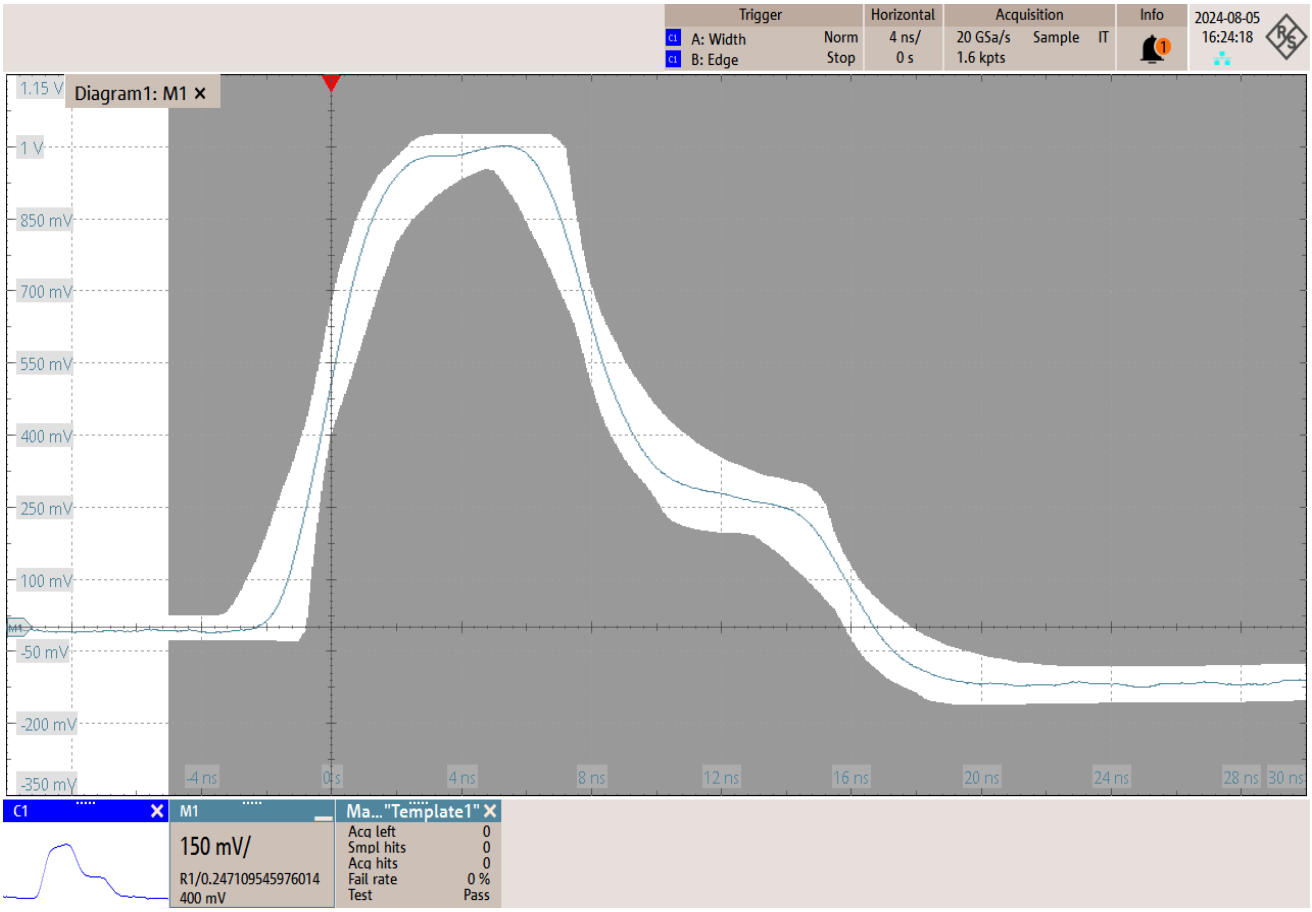
1000BASE-T Differential Output Templates With Disturber - 40.6.1.2.3 - Point A mask



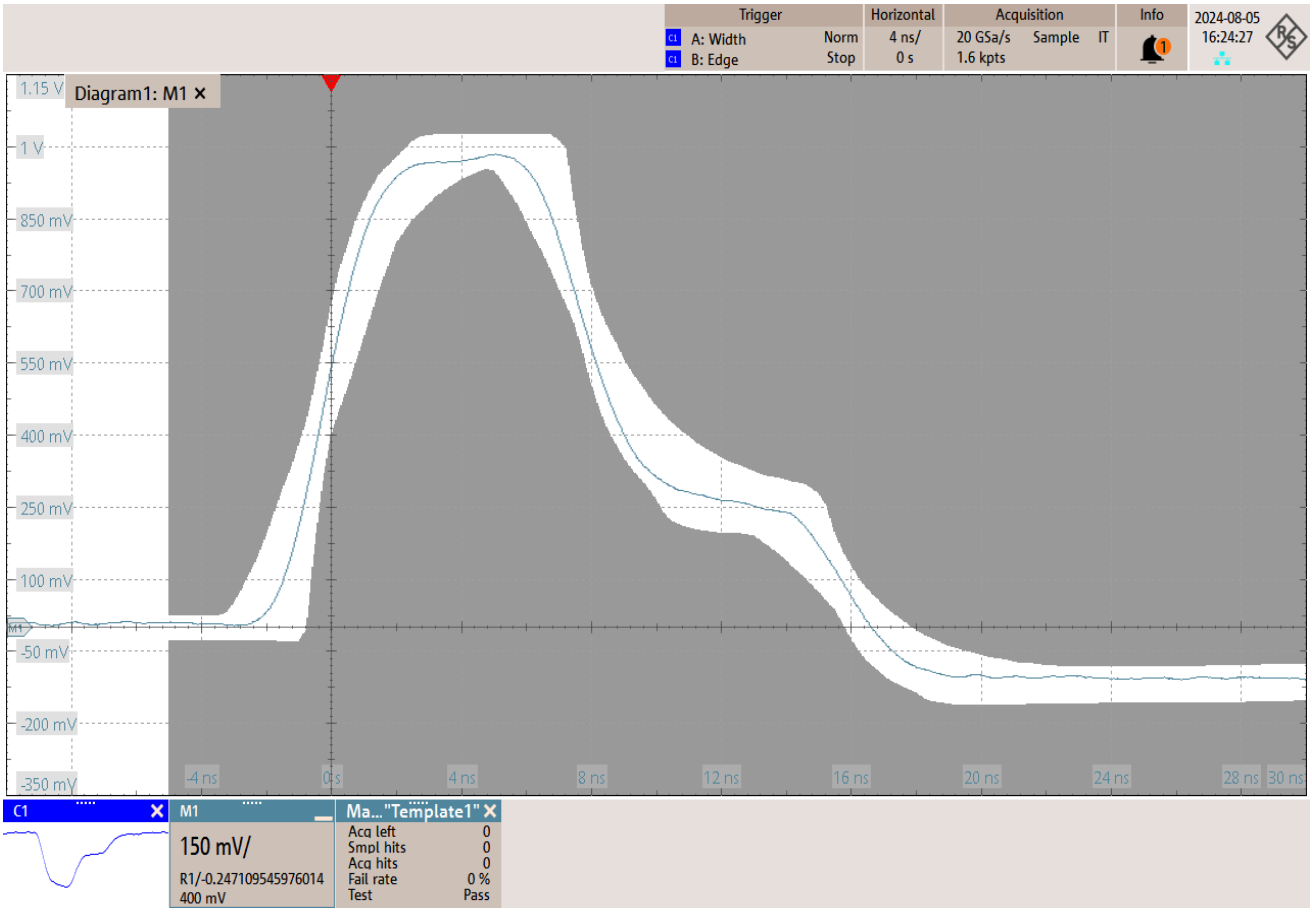
1000BASE-T Differential Output Templates With Disturber - 40.6.1.2.3 - Point B mask



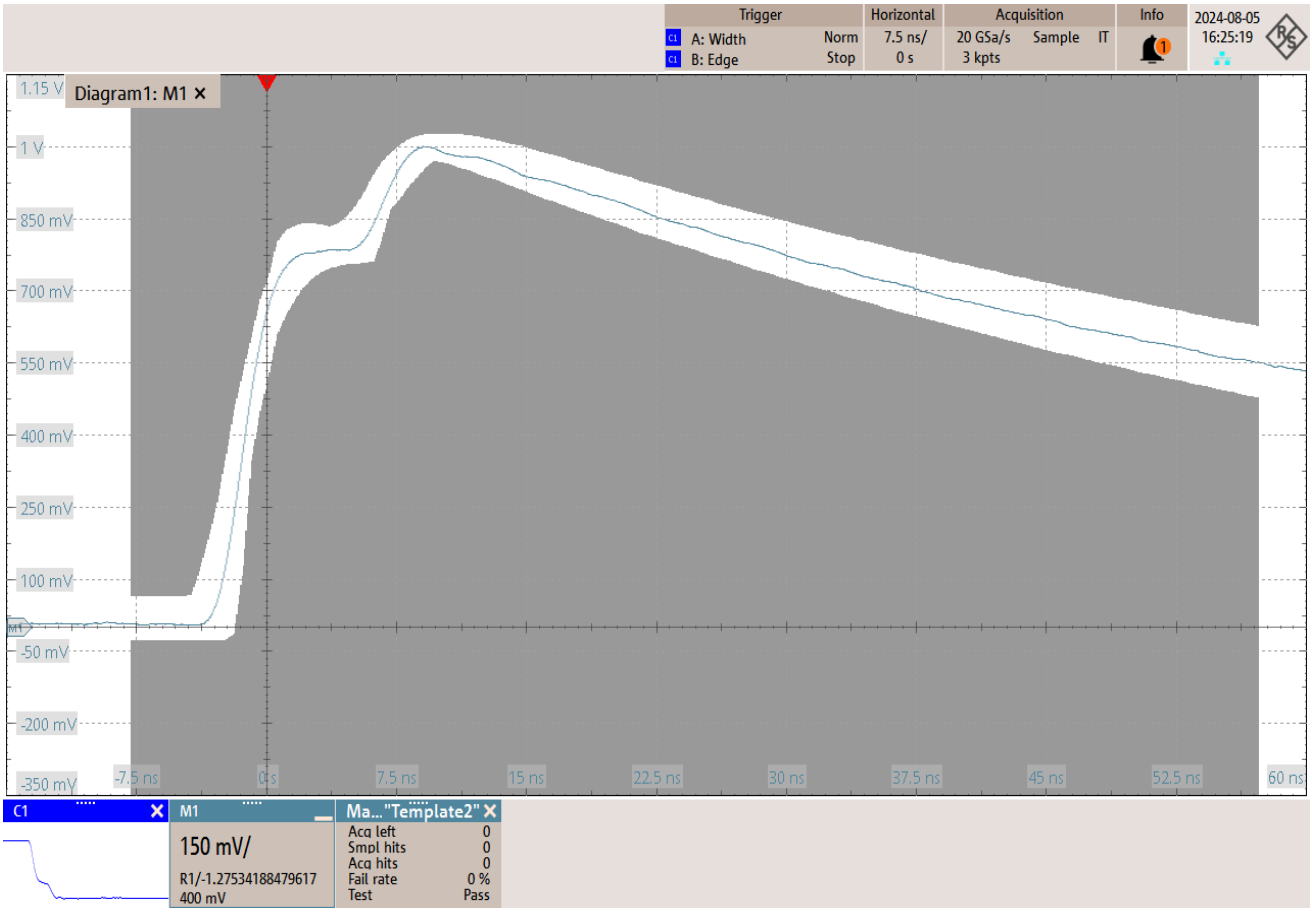
1000BASE-T Differential Output Templates With Disturber - 40.6.1.2.3 - Point C mask



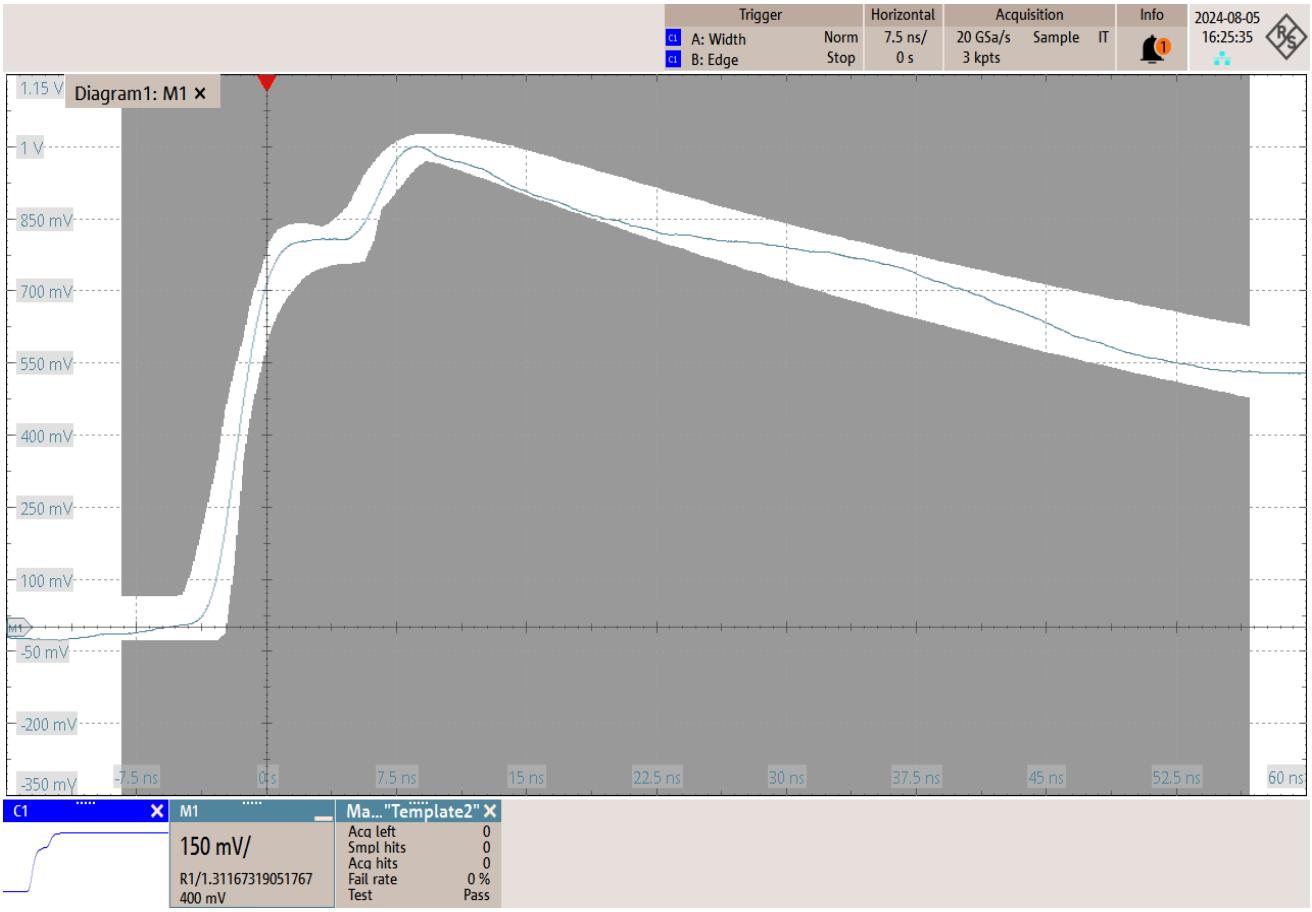
1000BASE-T Differential Output Templates With Disturber - 40.6.1.2.3 - Point D mask



1000BASE-T Differential Output Templates With Disturber - 40.6.1.2.3 - Point F mask



1000BASE-T Differential Output Templates With Disturber - 40.6.1.2.3 - Point H mask



1000BASE-T Differential Output Templates With Disturber - 40.6.1.2.3

Description	Normalized Time Domain Transmit Template
Pair	D
Run	8
Result	Pass
Time	08/05/2024 16:20:29
Comment	

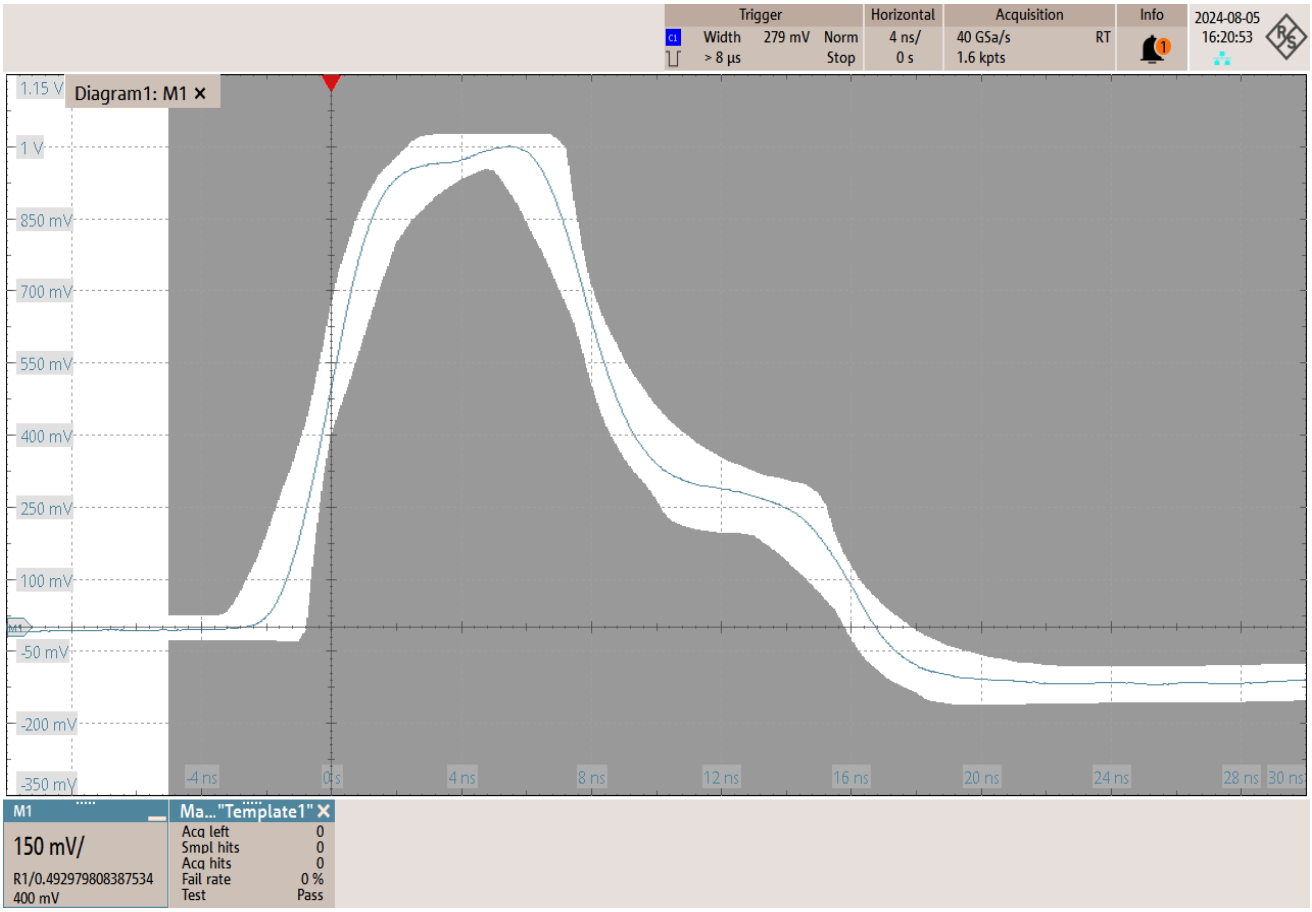
Properties

Name	Value	Name	Value
Average Count	10	Expert Mode	No

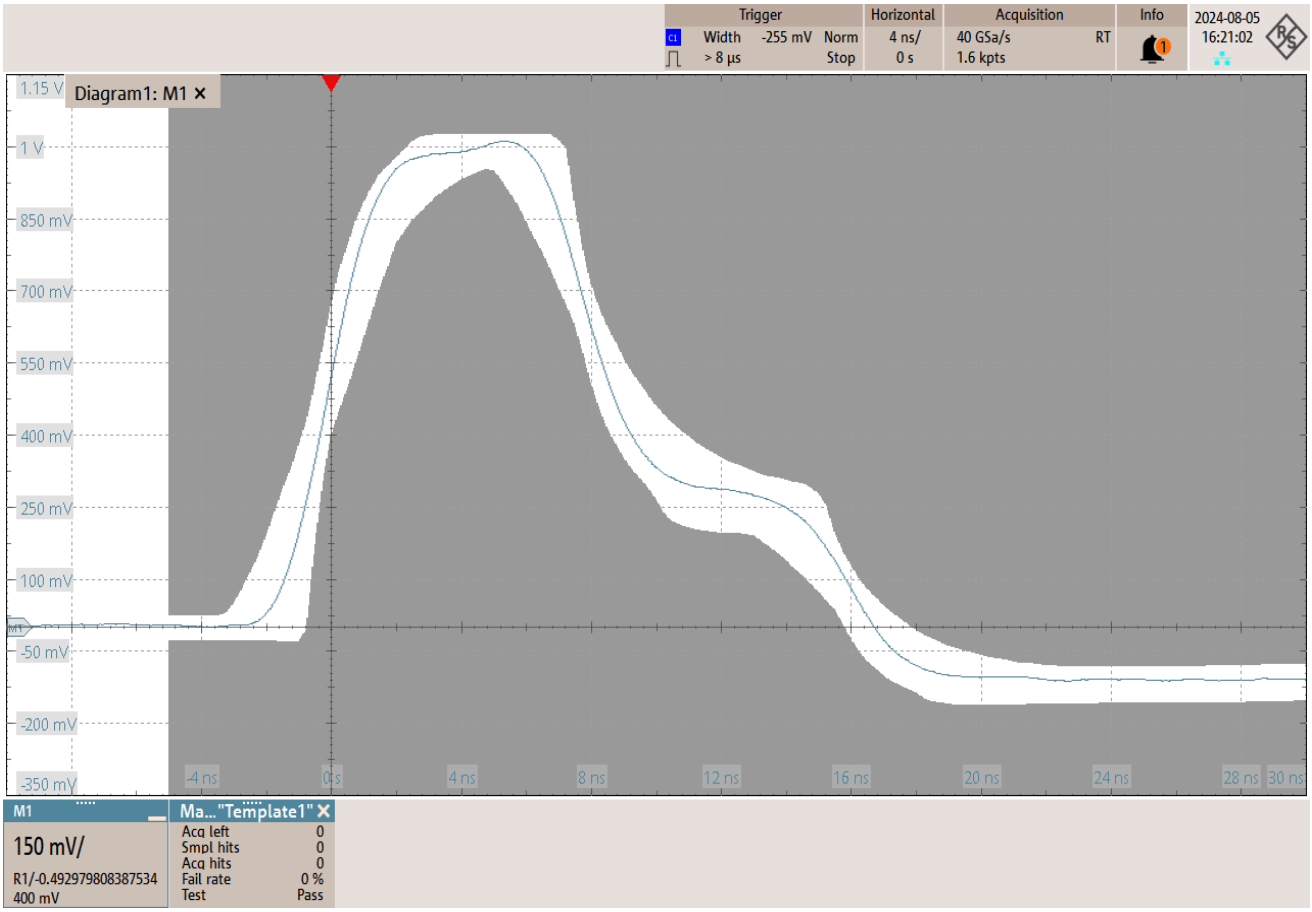
Additional Information

Measurement	Value	Limits
Point A mask	Pass	Meet normalized time domain voltage template 1
Point A normalized time domain voltage template 1 violation points	0	x = 0 Violation Point
Point B mask	Pass	Meet normalized time domain voltage template 1
Point B normalized time domain voltage template 1 violation points	0	x = 0 Violation Point
Point C mask	Pass	Meet normalized time domain voltage template 1
Point C normalized time domain voltage template 1 violation points	0	x = 0 Violation Point
Point D mask	Pass	Meet normalized time domain voltage template 1
Point D normalized time domain voltage template 1 violation points	0	x = 0 Violation Point
Point F mask	Pass	Meet normalized time domain voltage template 2
Point F normalized time domain voltage template 2 violation points	0	x = 0 Violation Point
Point H mask	Pass	Meet normalized time domain voltage template 2
Point H normalized time domain voltage template 2 violation points	0	x = 0 Violation Point

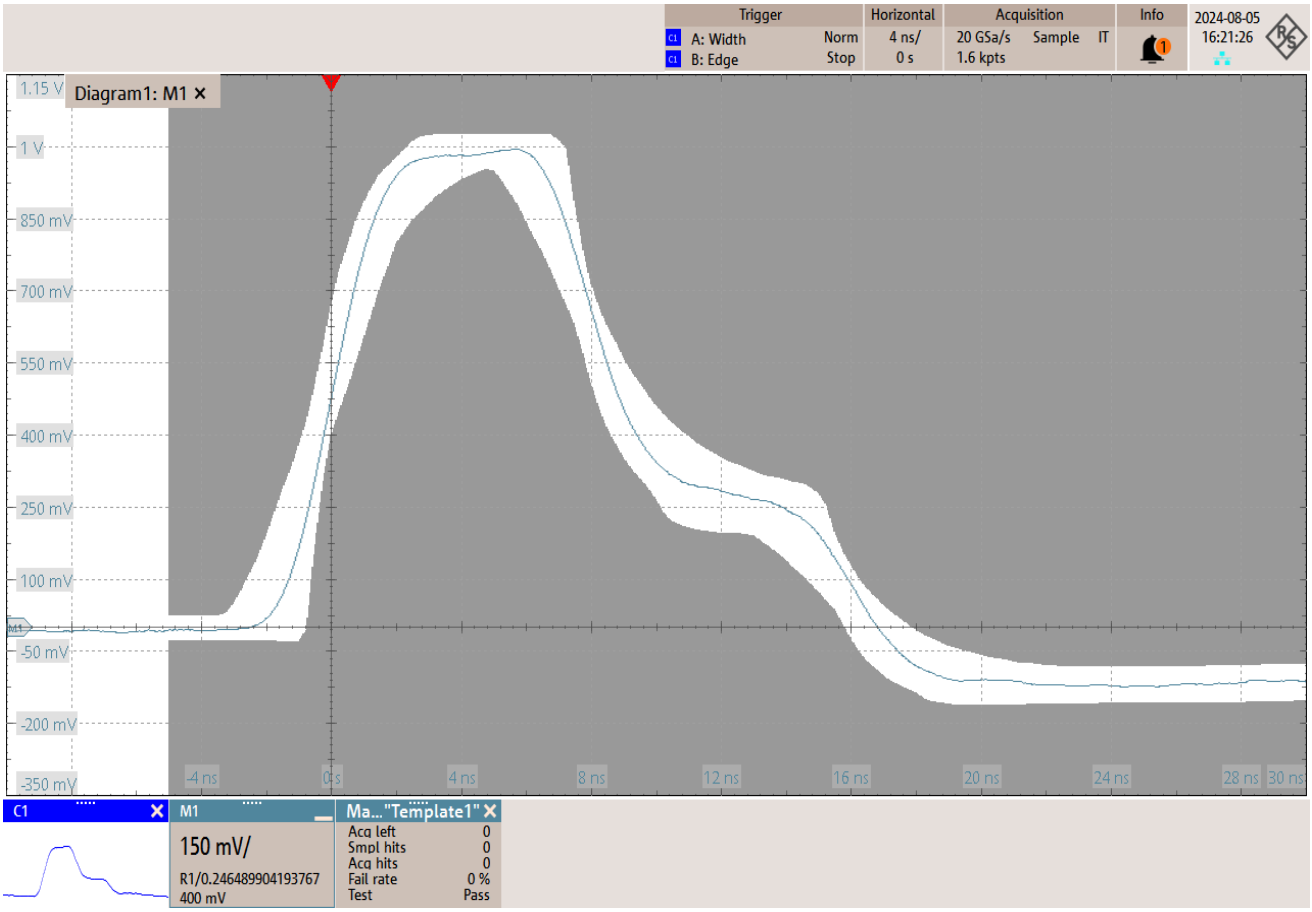
1000BASE-T Differential Output Templates With Disturber - 40.6.1.2.3 - Point A mask



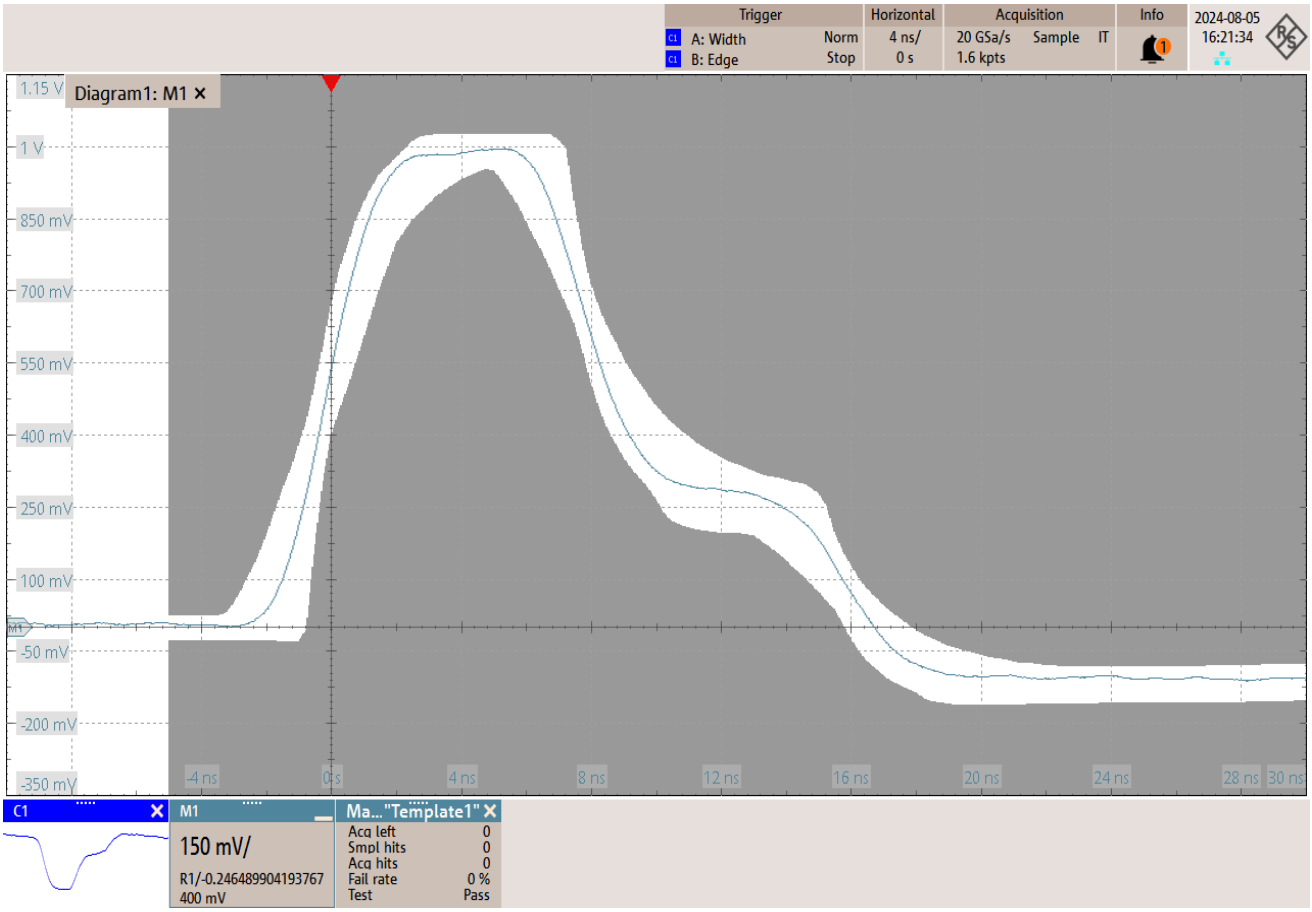
1000BASE-T Differential Output Templates With Disturber - 40.6.1.2.3 - Point B mask



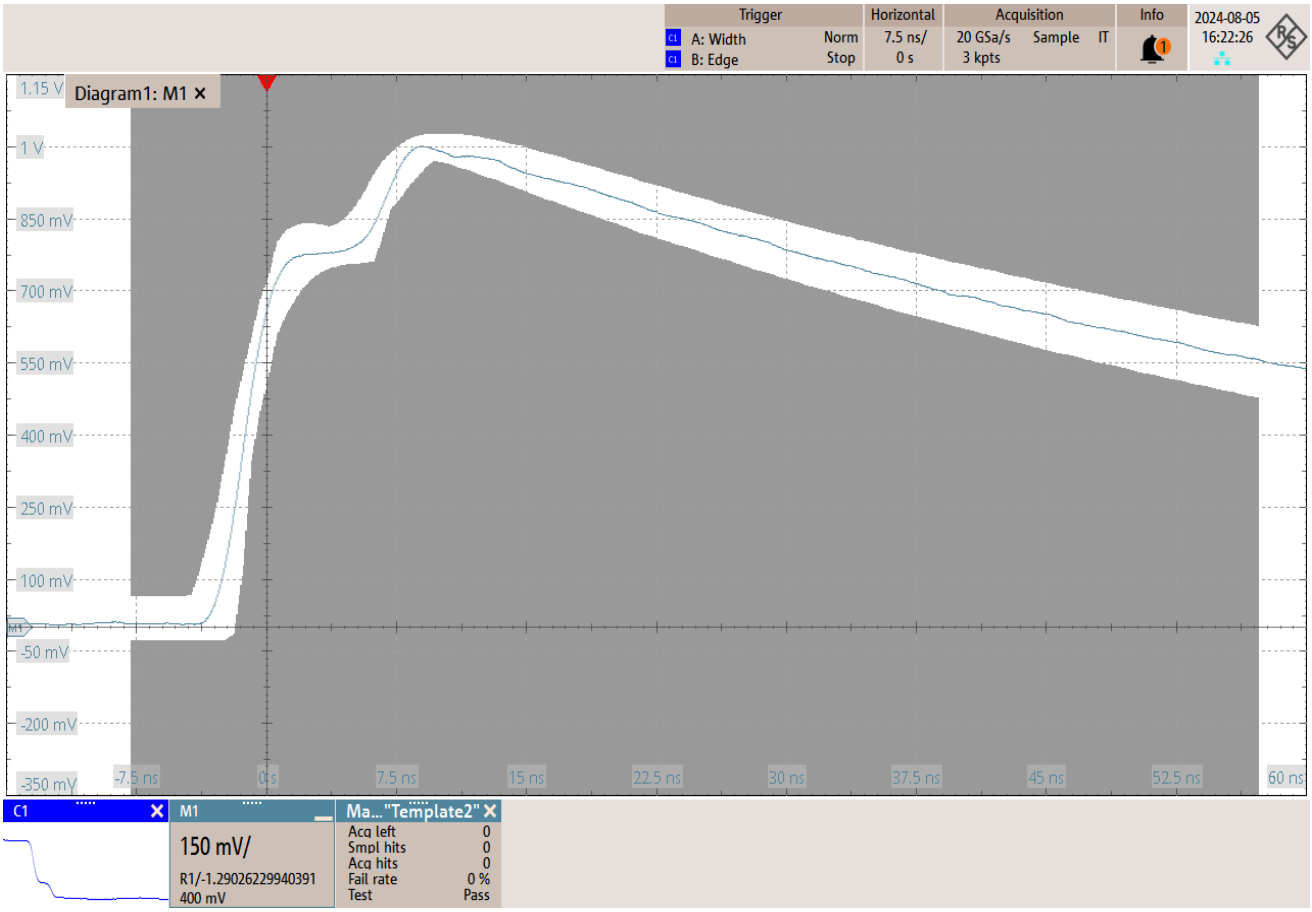
1000BASE-T Differential Output Templates With Disturber - 40.6.1.2.3 - Point C mask



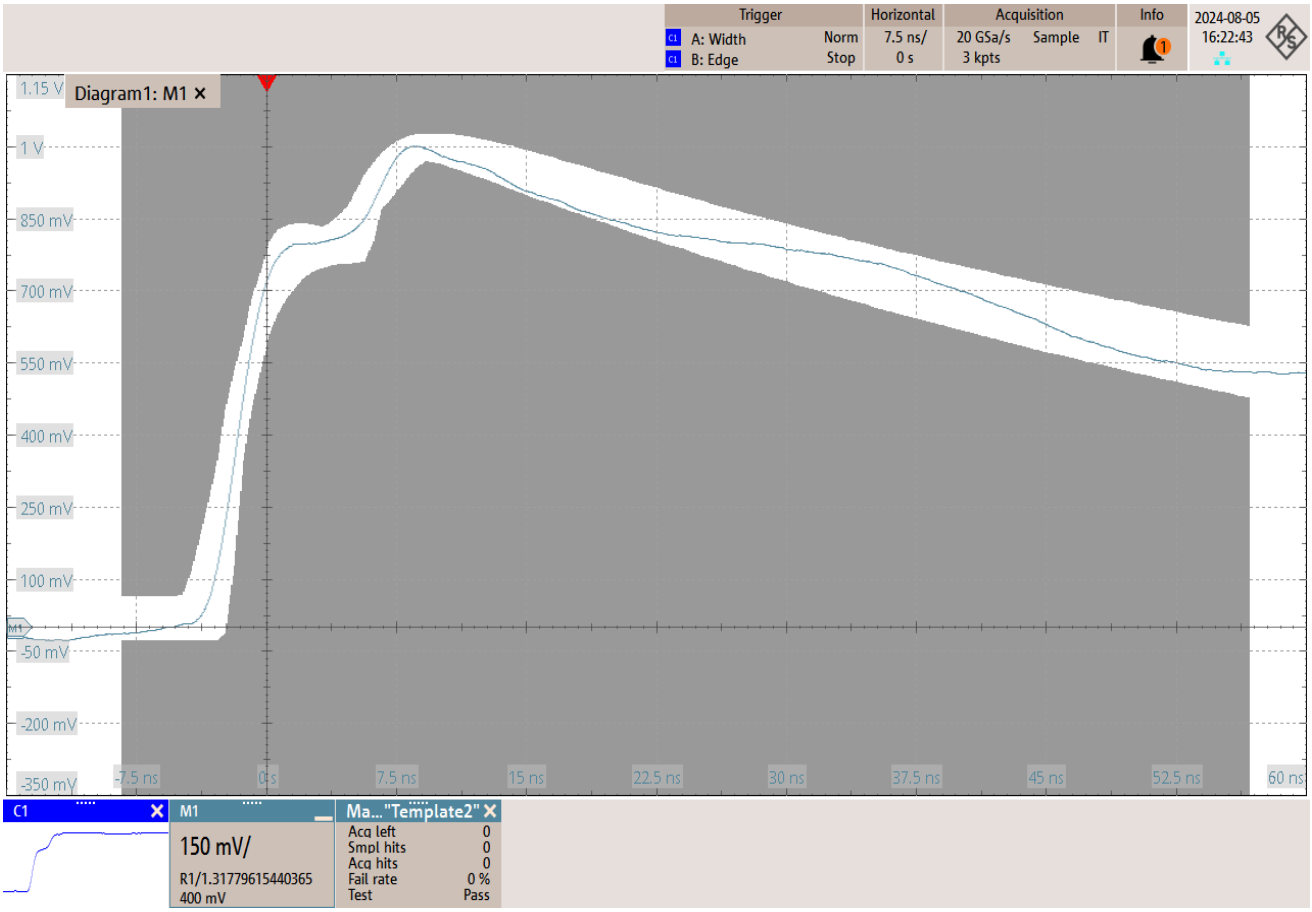
1000BASE-T Differential Output Templates With Disturber - 40.6.1.2.3 - Point D mask



1000BASE-T Differential Output Templates With Disturber - 40.6.1.2.3 - Point F mask



1000BASE-T Differential Output Templates With Disturber - 40.6.1.2.3 - Point H mask



1000BASE-T Transmitter Distortion With Disturber No TX_TCLK - 40.6.1.2.4

Description	Transmitter Distortion
Pair	A
Run	1
Result	Pass
Time	07/30/2024 20:45:12
Comment	

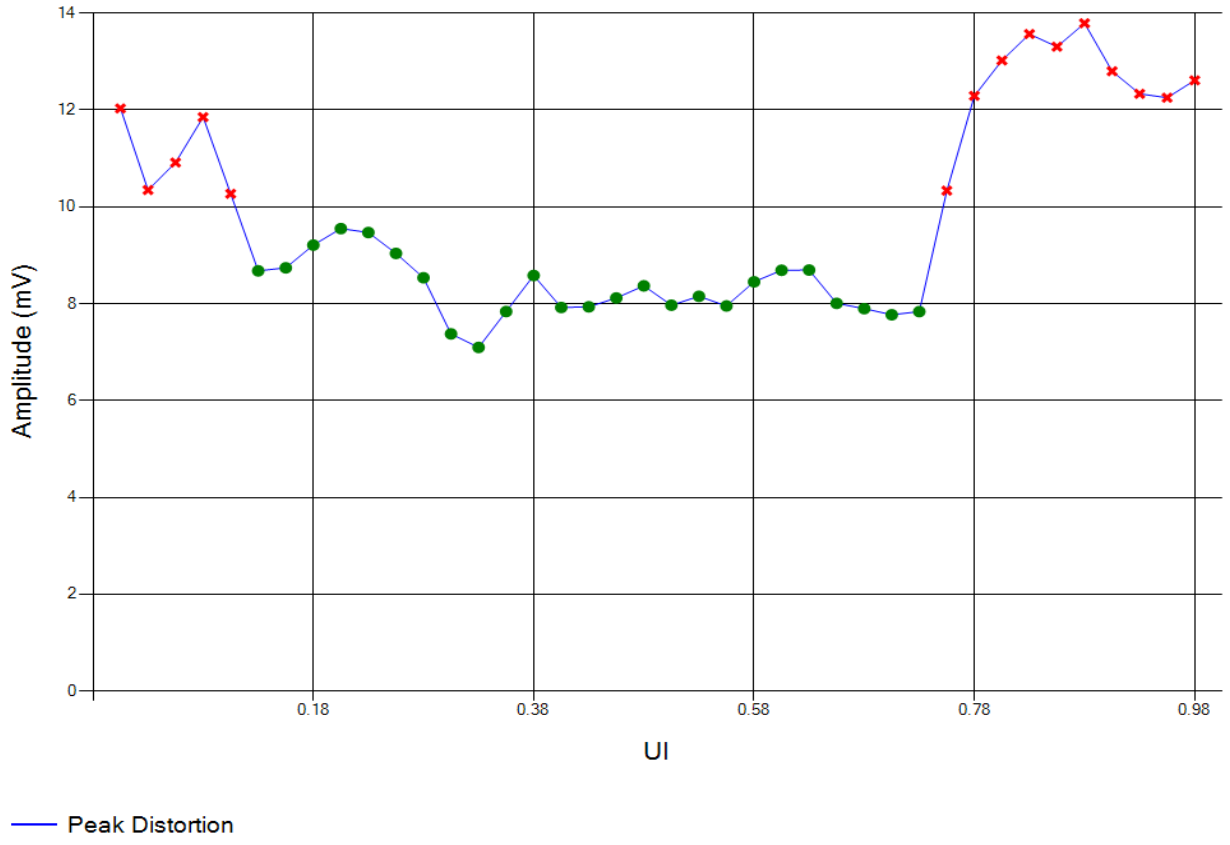
Properties

Name	Value	Name	Value
Average Count	10	Expert Mode	No

Additional Information

Measurement	Value	Limits
Minimum peak distortion occurs at 0.325 UI	7.096 mV	x < 10 mV
Minimum signal-to-noise ratio	49.95373 dB	
Percentage of eye opening within limit	62.5 % (25 / 40)	x >= 60 %

1000BASE-T Transmitter Distortion With Disturber No TX_TCLK - 40.6.1.2.4 - Minimum peak distortion occurs at 0.325 UI



1000BASE-T Transmitter Distortion With Disturber No TX_TCLK - 40.6.1.2.4

Description	Transmitter Distortion
Pair	B
Run	2
Result	Pass
Time	08/05/2024 14:44:17
Comment	

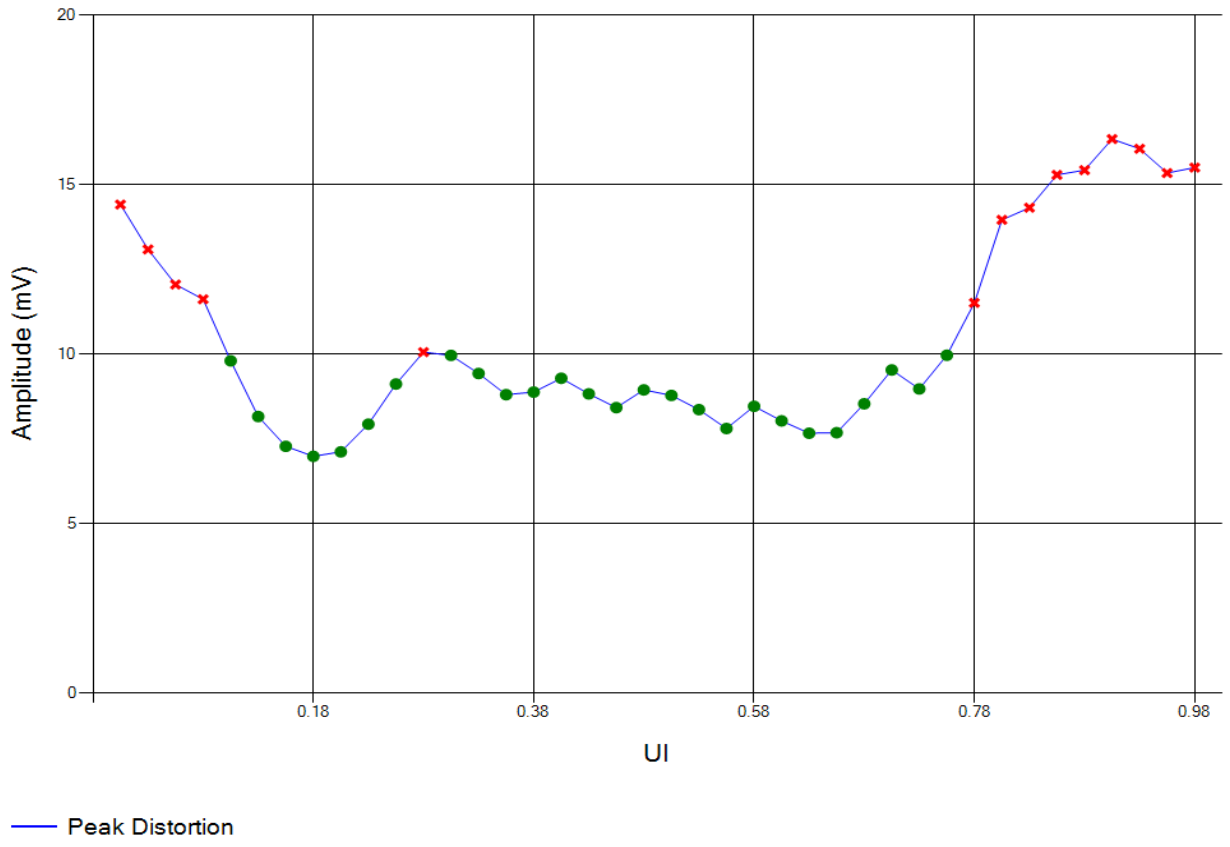
Properties

Name	Value	Name	Value
Average Count	10	Expert Mode	No

Additional Information

Measurement	Value	Limits
Minimum peak distortion occurs at 0.175 UI	6.985 mV	x < 10 mV
Minimum signal-to-noise ratio	49.555 dB	
Percentage of eye opening within limit	65 % (26 / 40)	x >= 60 %

1000BASE-T Transmitter Distortion With Disturber No TX_TCLK - 40.6.1.2.4 - Minimum peak distortion occurs at 0.175 UI



1000BASE-T Transmitter Distortion With Disturber No TX_TCLK - 40.6.1.2.4

Description	Transmitter Distortion
Pair	C
Run	5
Result	Pass
Time	08/05/2024 14:58:15
Comment	

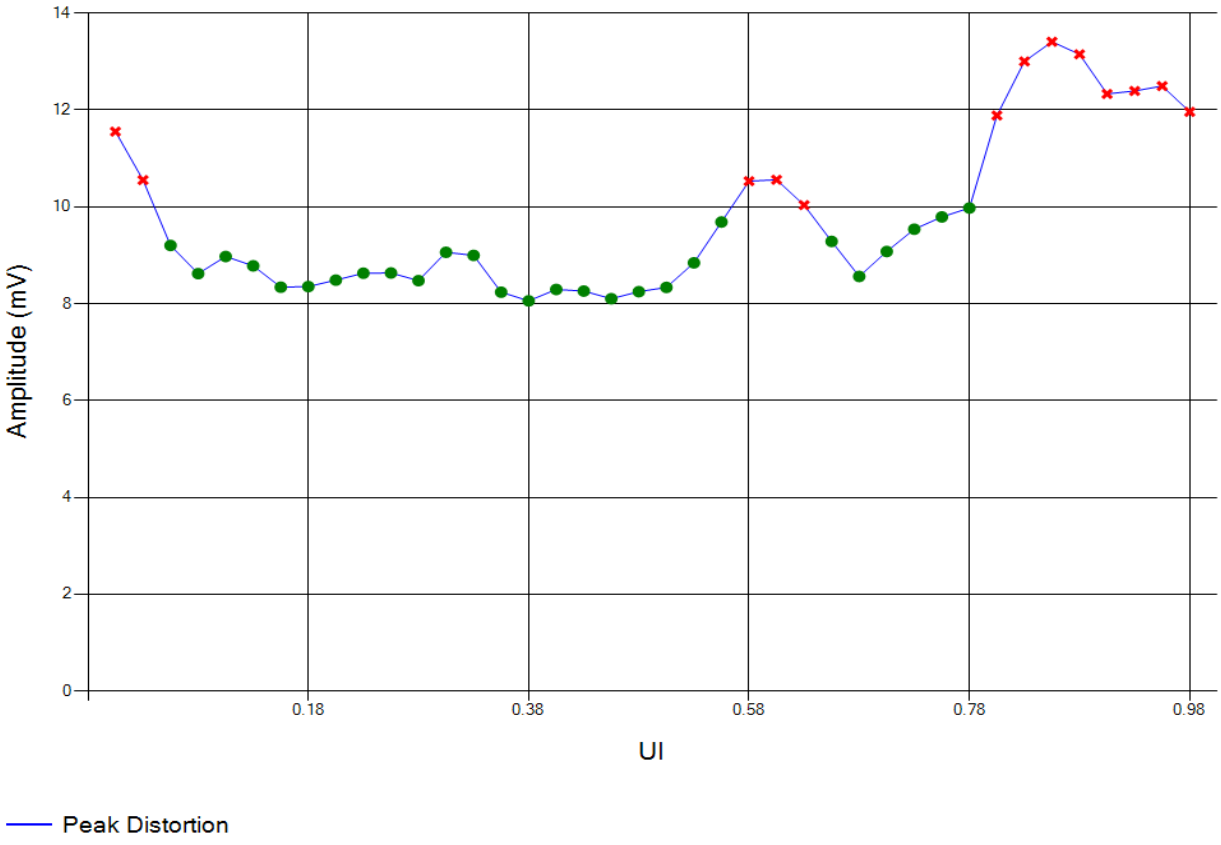
Properties

Name	Value	Name	Value
Average Count	10	Expert Mode	No

Additional Information

Measurement	Value	Limits
Minimum peak distortion occurs at 0.375 UI	8.058 mV	x < 10 mV
Minimum signal-to-noise ratio	49.06095 dB	
Percentage of eye opening within limit	67.5 % (27 / 40)	x >= 60 %

1000BASE-T Transmitter Distortion With Disturber No TX_TCLK - 40.6.1.2.4 - Minimum peak distortion occurs at 0.375 UI



1000BASE-T Transmitter Distortion With Disturber No TX_TCLK - 40.6.1.2.4

Description	Transmitter Distortion
Pair	D
Run	6
Result	Fail
Time	08/05/2024 14:58:53
Comment	

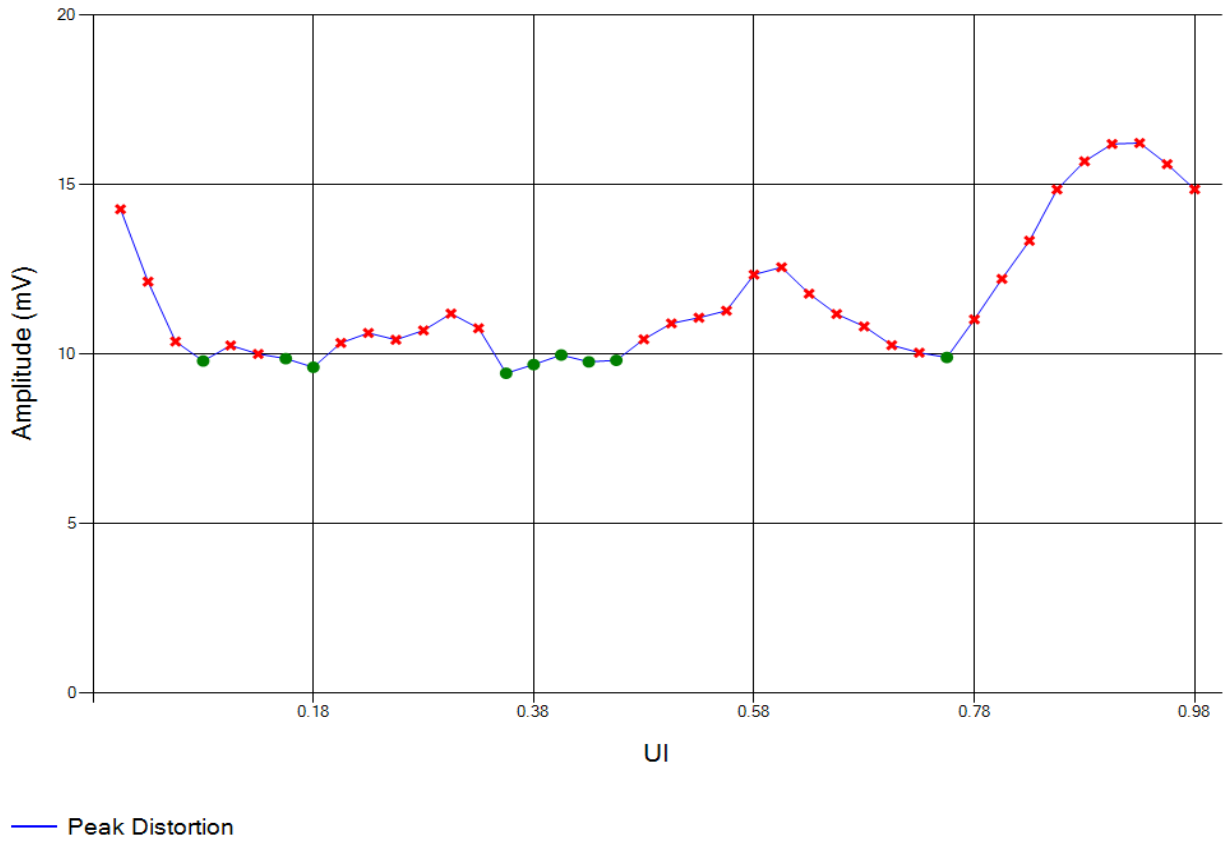
Properties

Name	Value	Name	Value
Average Count	10	Expert Mode	No

Additional Information

Measurement	Value	Limits
Minimum peak distortion occurs at 0.35 UI	9.435 mV	x < 10 mV
Minimum signal-to-noise ratio	47.98995 dB	
Percentage of eye opening within limit	22.5 % (9 / 40)	x >= 60 %

1000BASE-T Transmitter Distortion With Disturber No TX_TCLK - 40.6.1.2.4 - Minimum peak distortion occurs at 0.35 UI



1000BASE-T Jitter Mastermode No TX_TCLK - 40.6.1.2.5 and 40.6.1.2.6

Ethernet 1000BASE-T Test Report

Description	Jitter Mastermode No TX_TCLK and Clock Frequency
Pair	A
Run	1
Result	Pass
Time	07/30/2024 20:40:43
Comment	

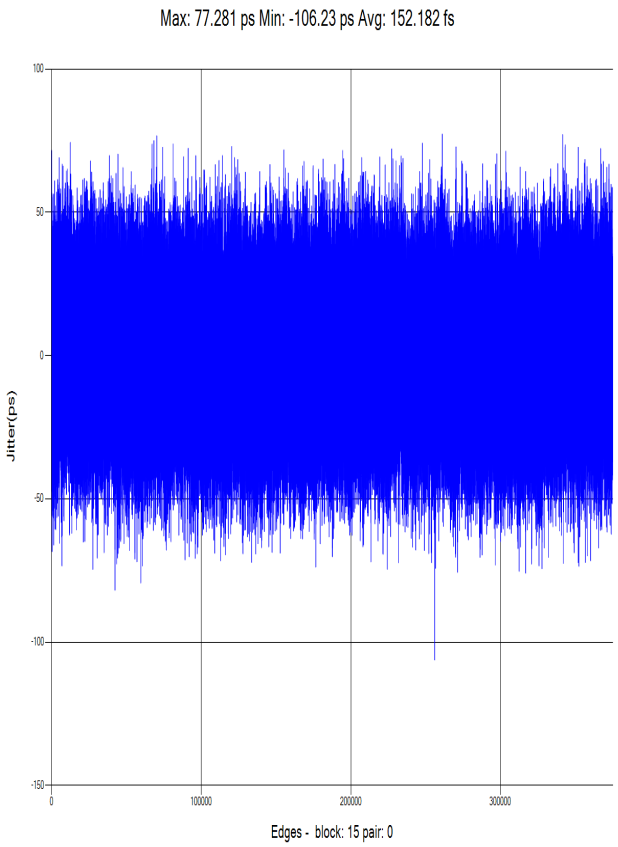
Properties

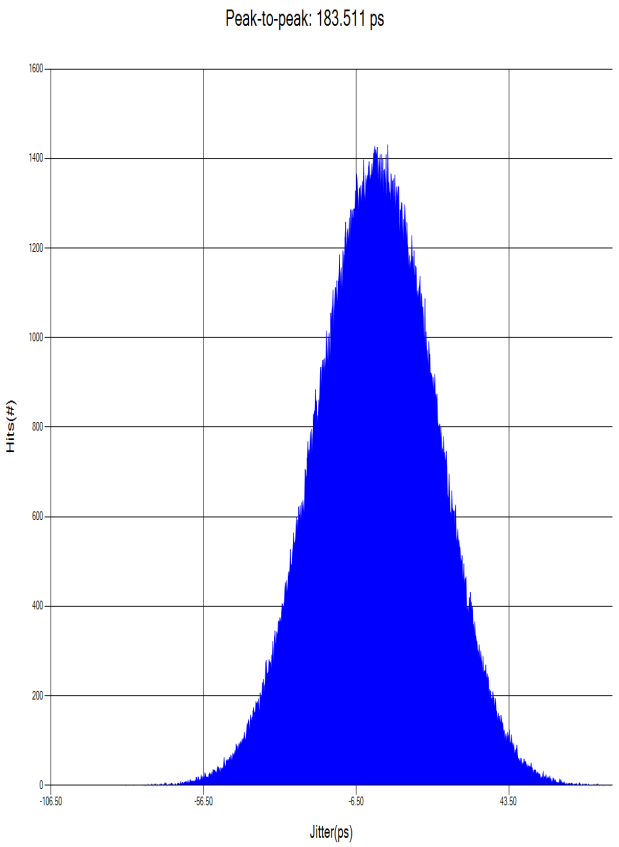
Name	Value	Name	Value
Measurement Time	0.1 s	Expert Mode	No

Additional Information

Measurement	Value	Limits
Unfiltered TIE jitter	183.511 ps	x <= 1.4 ns
Filtered TIE jitter	182.55 ps	x <= 300 ps
Transmitter Clock Frequency	124.999 MHz	124.9875 MHz < x < 125.0125 MHz

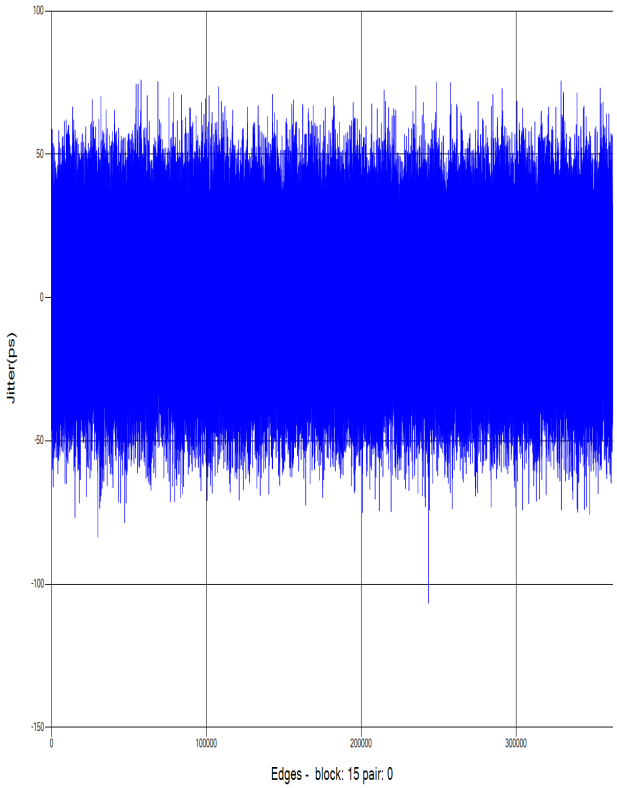
1000BASE-T Jitter Mastermode No TX_TCLK - 40.6.1.2.5 and 40.6.1.2.6 - Unfiltered TIE jitter



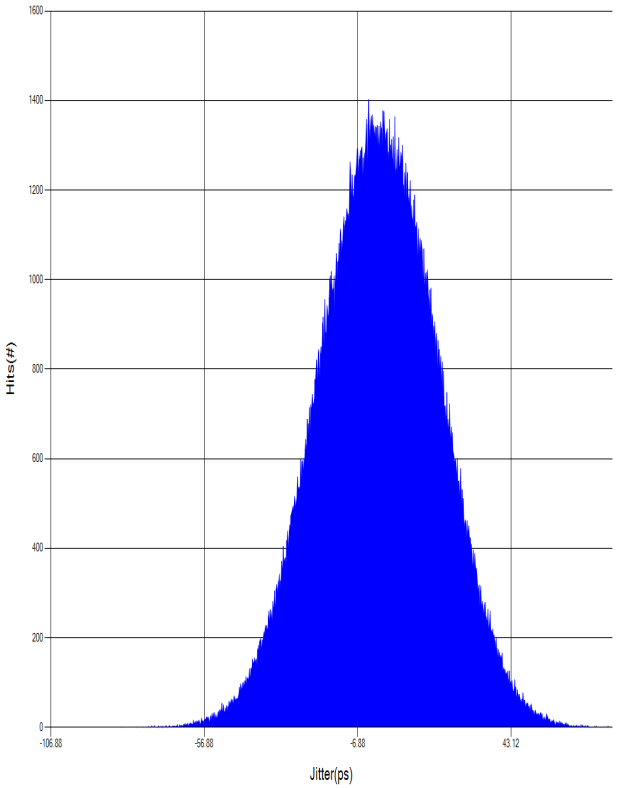


1000BASE-T Jitter Mastermode No TX_TCLK - 40.6.1.2.5 and 40.6.1.2.6 - Filtered TIE jitter

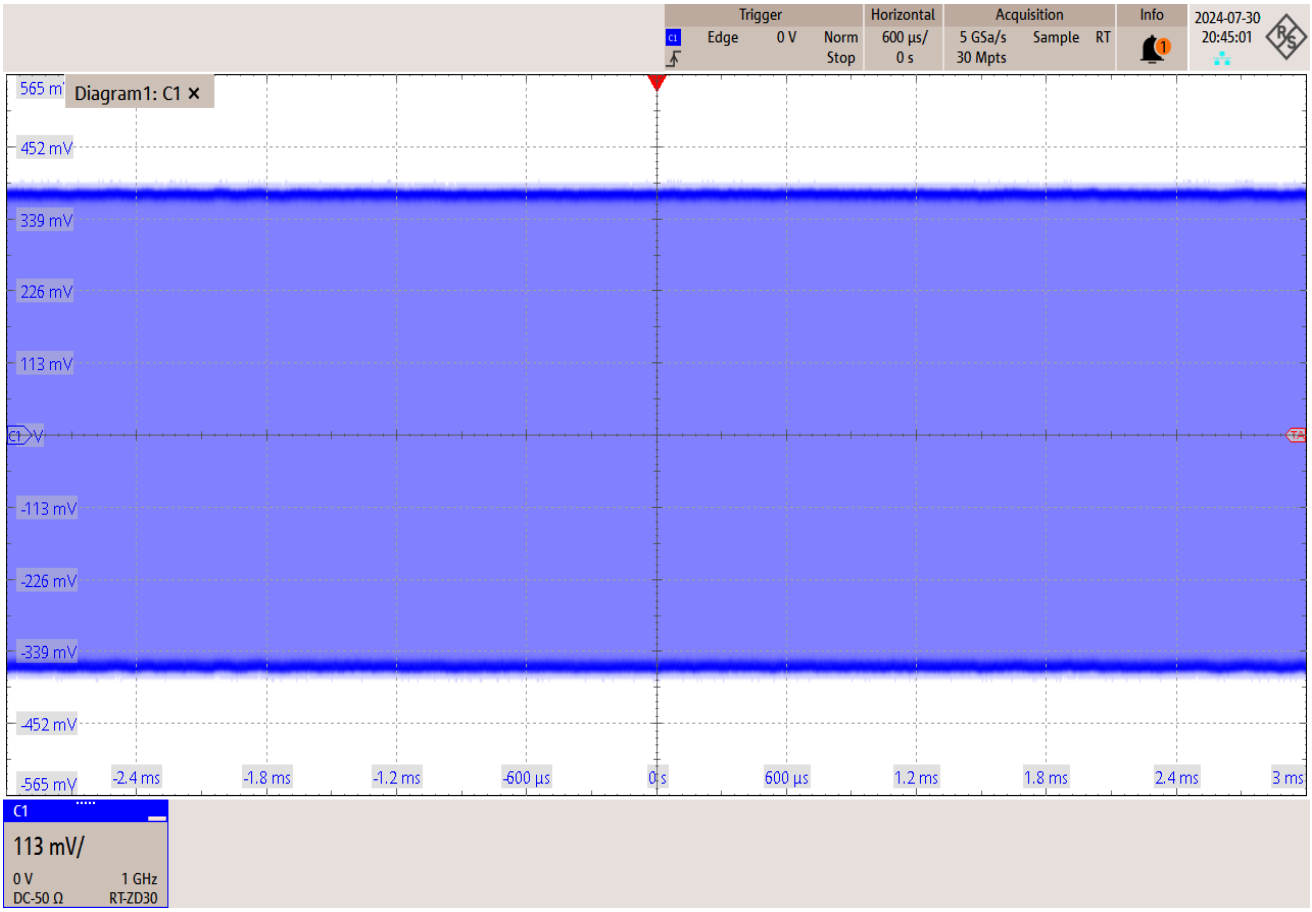
Max: 75.936 ps Min: -106.614 ps Avg: -28.078 fs



Peak-to-peak: 182.55 ps



1000BASE-T Jitter Mastermode No TX_TCLK - 40.6.1.2.5 and 40.6.1.2.6 - Transmitter Clock Frequency



1000BASE-T Jitter Mastermode No TX_TCLK - 40.6.1.2.5 and 40.6.1.2.6

Description	Jitter Mastermode No TX_TCLK and Clock Frequency
Pair	B
Run	2
Result	Pass
Time	08/05/2024 16:37:04
Comment	

Properties

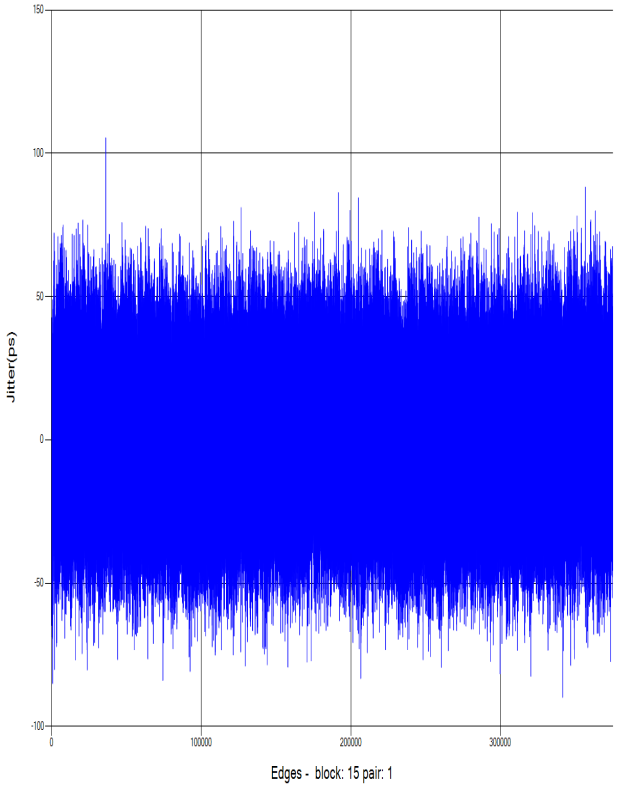
Name	Value	Name	Value
Measurement Time	0.1 s	Expert Mode	No

Additional Information

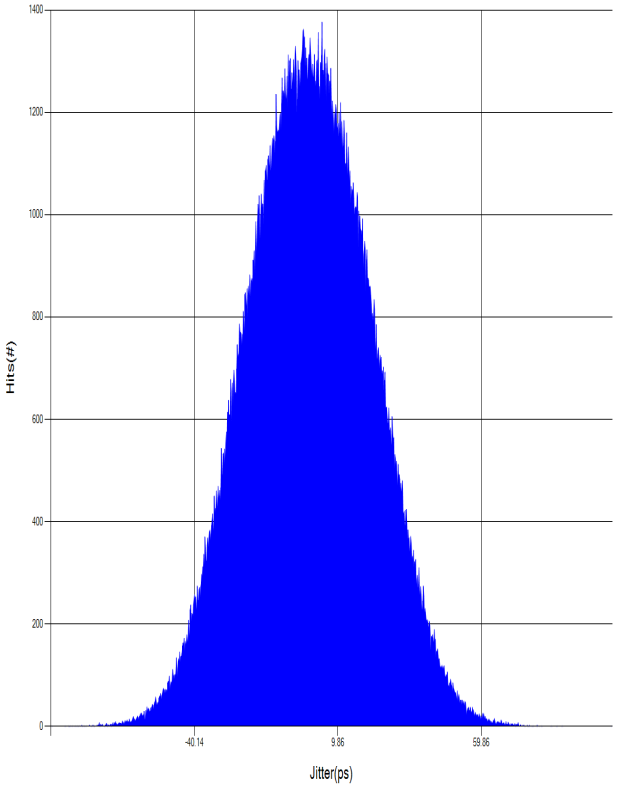
Measurement	Value	Limits
Unfiltered TIE jitter	195.247 ps	x <= 1.4 ns
Filtered TIE jitter	194.609 ps	x <= 300 ps
Transmitter Clock Frequency	124.999 MHz	124.9875 MHz < x < 125.0125 MHz

1000BASE-T Jitter Mastermode No TX_TCLK - 40.6.1.2.5 and 40.6.1.2.6 - Unfiltered TIE jitter

Max: 105.391 ps Min: -89.856 ps Avg: -55.512 fs

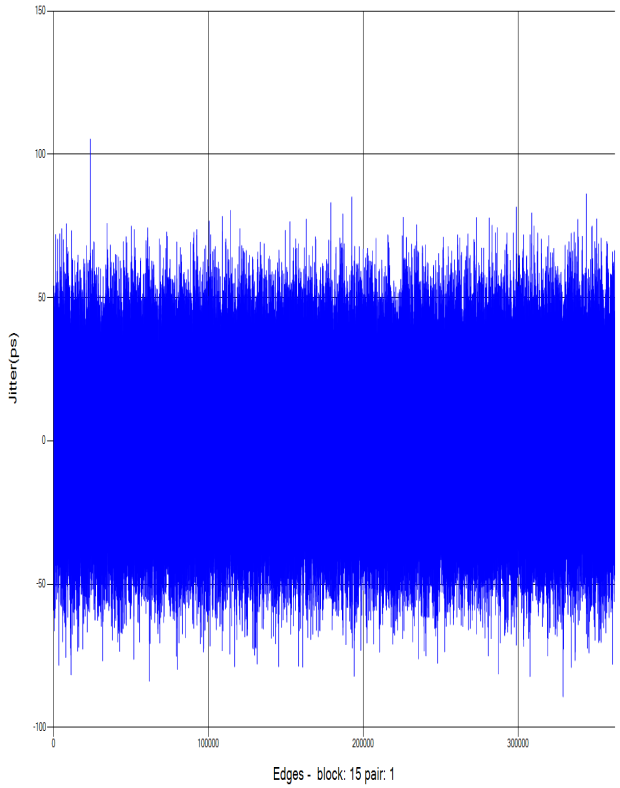


Peak-to-peak: 195.247 ps

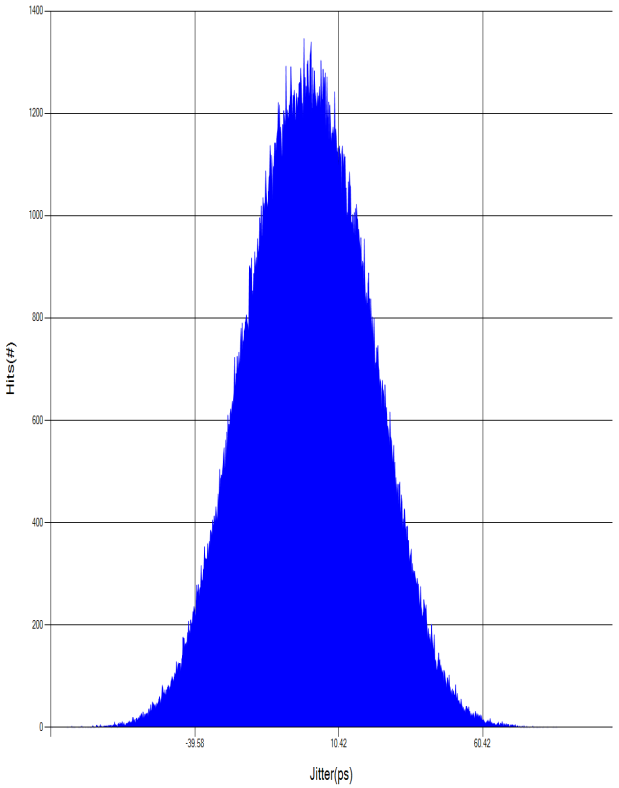


1000BASE-T Jitter Mastermode No TX_TCLK - 40.6.1.2.5 and 40.6.1.2.6 - Filtered TIE jitter

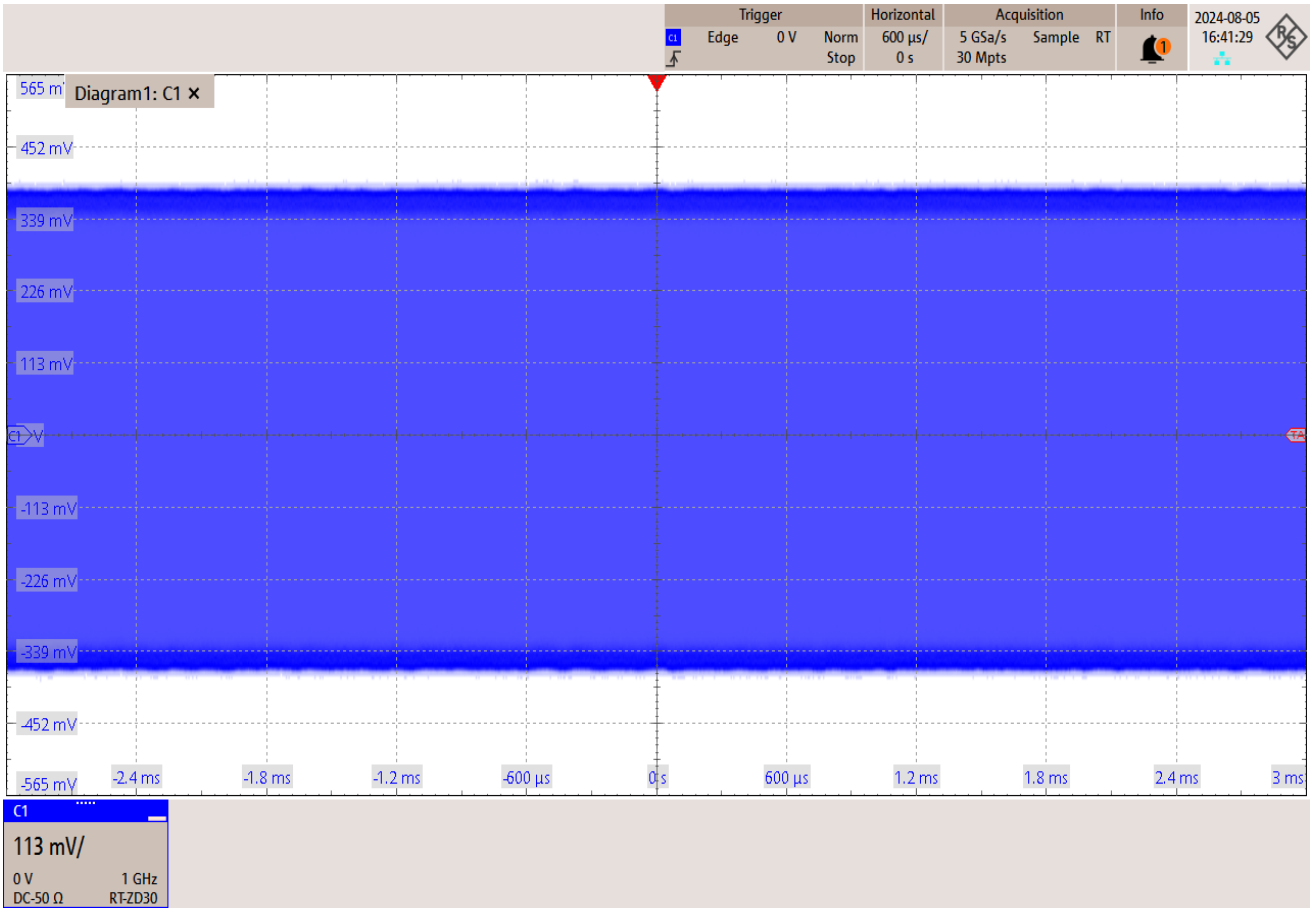
Max: 105.315 ps Min: -89.294 ps Avg: 11.098 fs



Peak-to-peak: 194.609 ps



1000BASE-T Jitter Mastermode No TX_TCLK - 40.6.1.2.5 and 40.6.1.2.6 - Transmitter Clock Frequency



1000BASE-T Jitter Mastermode No TX_TCLK - 40.6.1.2.5 and 40.6.1.2.6

Description	Jitter Mastermode No TX_TCLK and Clock Frequency
Pair	C
Run	3
Result	Pass
Time	08/05/2024 16:50:24
Comment	

Properties

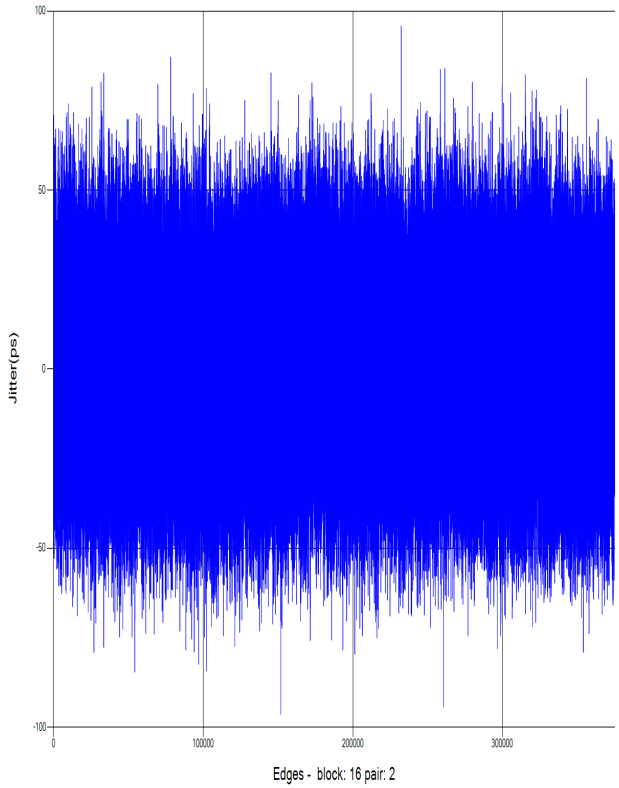
Name	Value	Name	Value
Measurement Time	0.1 s	Expert Mode	No

Additional Information

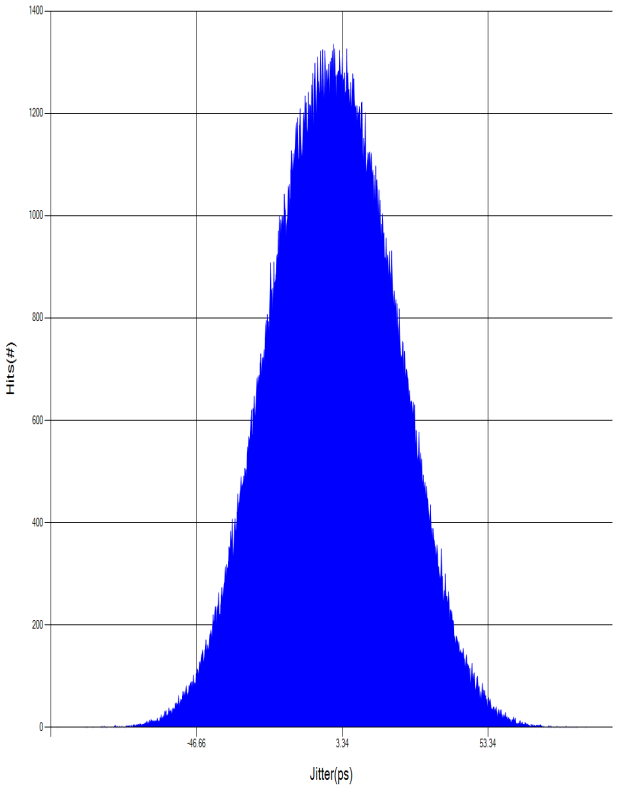
Measurement	Value	Limits
Unfiltered TIE jitter	192.174 ps	x <= 1.4 ns
Filtered TIE jitter	193.926 ps	x <= 300 ps
Transmitter Clock Frequency	124.999 MHz	124.9875 MHz < x < 125.0125 MHz

1000BASE-T Jitter Mastermode No TX_TCLK - 40.6.1.2.5 and 40.6.1.2.6 - Unfiltered TIE jitter

Max: 95.796 ps Min: -96.377 ps Avg: 235.647 fs

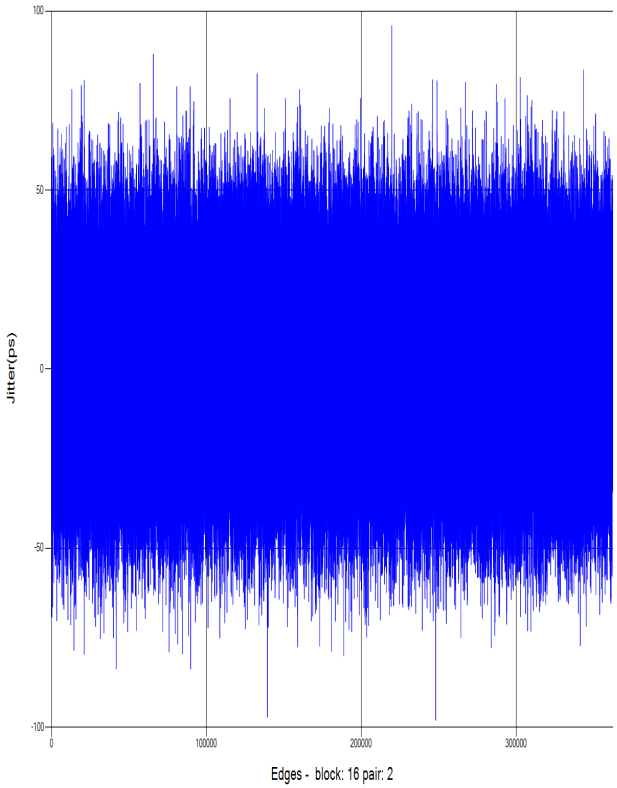


Peak-to-peak: 192.174 ps

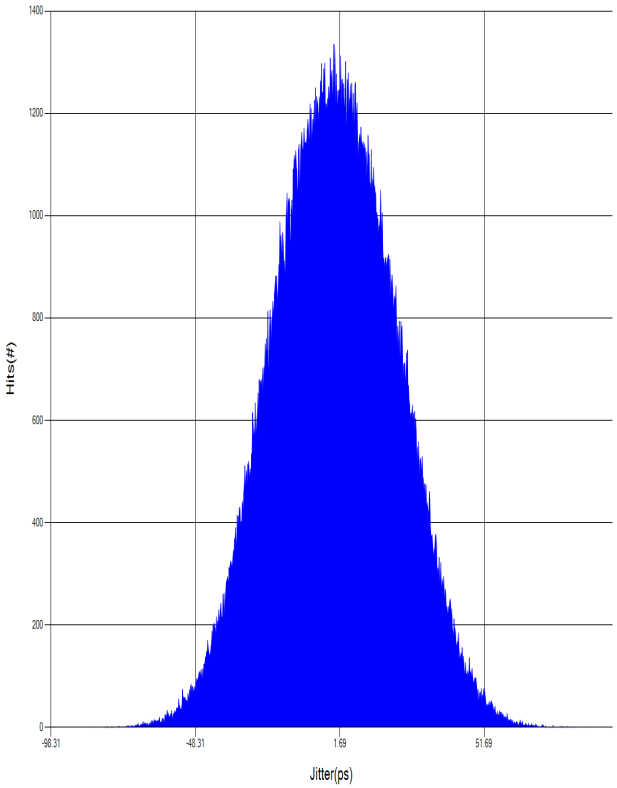


1000BASE-T Jitter Mastermode No TX_TCLK - 40.6.1.2.5 and 40.6.1.2.6 - Filtered TIE jitter

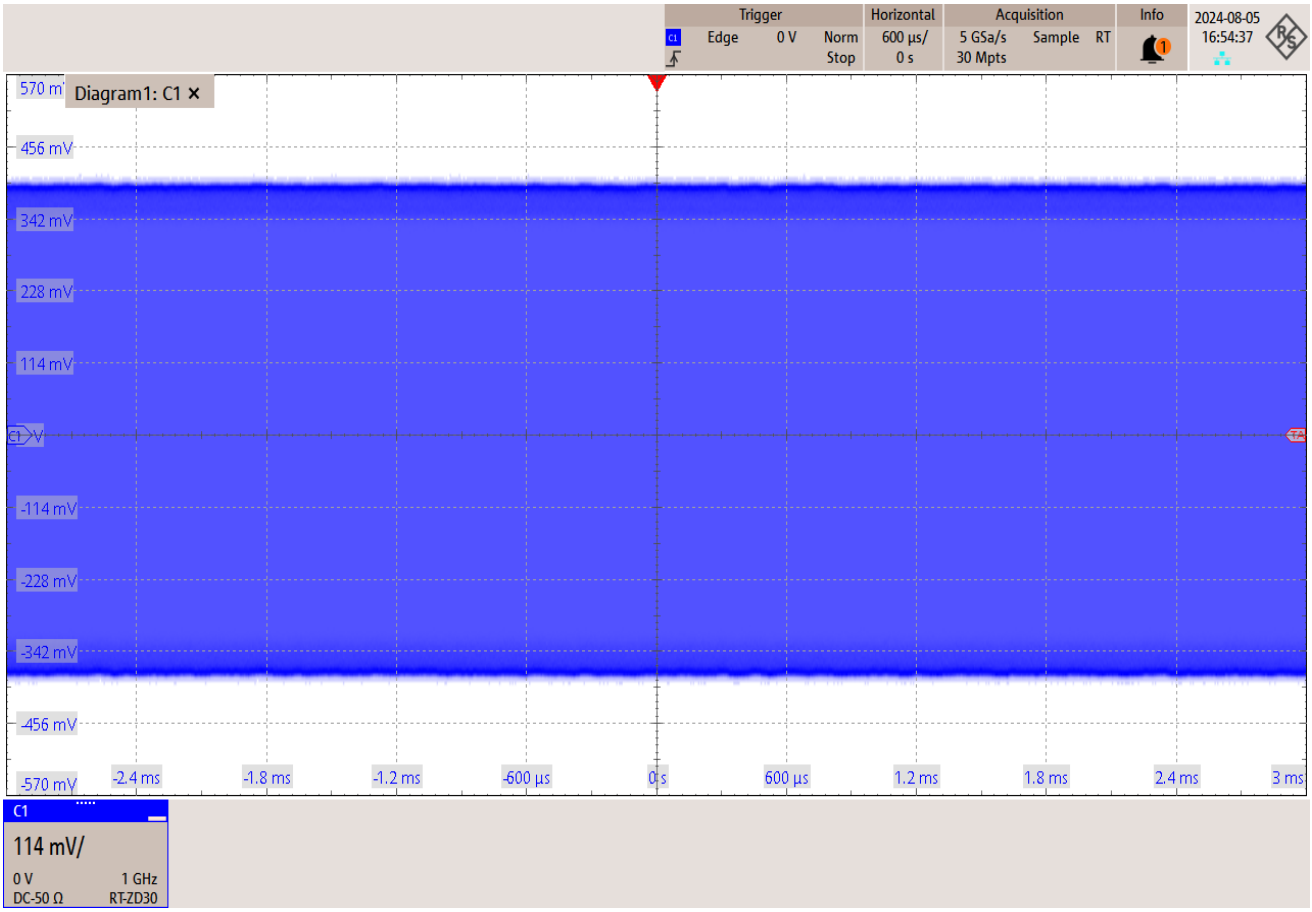
Max: 95.904 ps Min: -98.022 ps Avg: -43.971 fs



Peak-to-peak: 193.926 ps



1000BASE-T Jitter Mastermode No TX_TCLK - 40.6.1.2.5 and 40.6.1.2.6 - Transmitter Clock Frequency



1000BASE-T Jitter Mastermode No TX_TCLK - 40.6.1.2.5 and 40.6.1.2.6

Description	Jitter Mastermode No TX_TCLK and Clock Frequency
Pair	D
Run	4
Result	Pass
Time	08/05/2024 17:04:01
Comment	

Properties

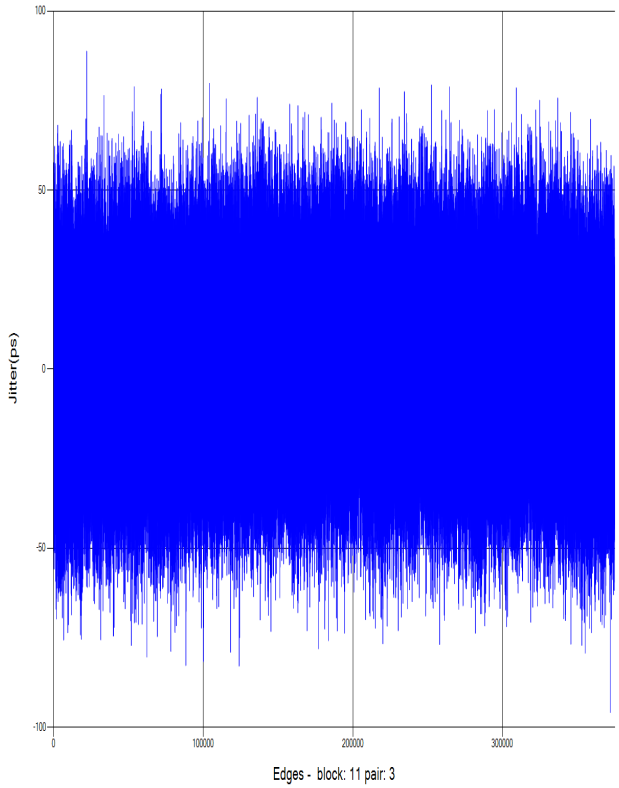
Name	Value	Name	Value
Measurement Time	0.1 s	Expert Mode	No

Additional Information

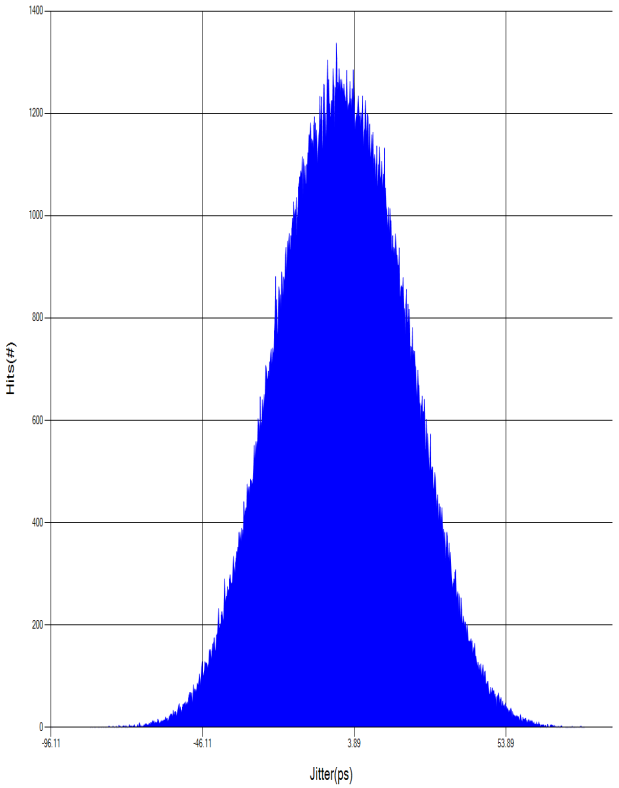
Measurement	Value	Limits
Unfiltered TIE jitter	184.609 ps	x <= 1.4 ns
Filtered TIE jitter	186.198 ps	x <= 300 ps
Transmitter Clock Frequency	124.999 MHz	124.9875 MHz < x < 125.0125 MHz

1000BASE-T Jitter Mastermode No TX_TCLK - 40.6.1.2.5 and 40.6.1.2.6 - Unfiltered TIE jitter

Max: 88.773 ps Min: -95.836 ps Avg: -14.288 fs

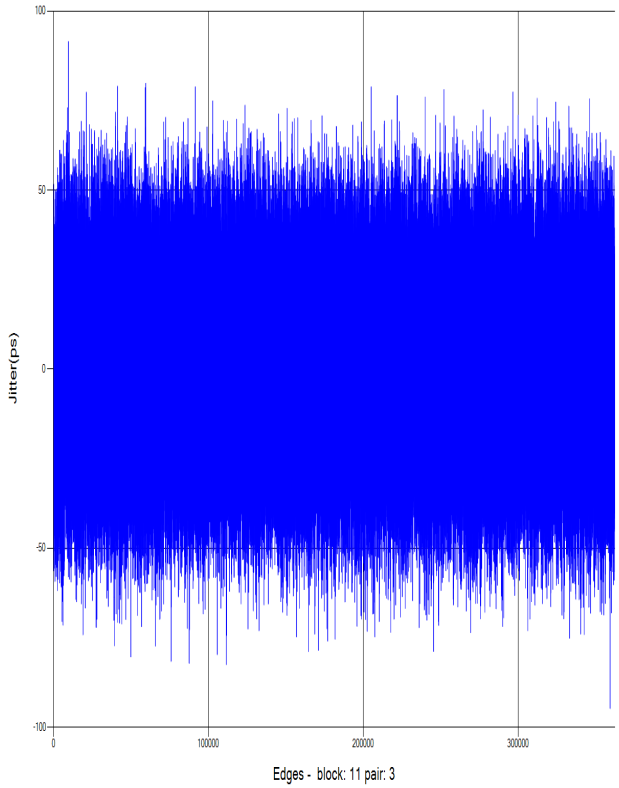


Peak-to-peak: 184.609 ps

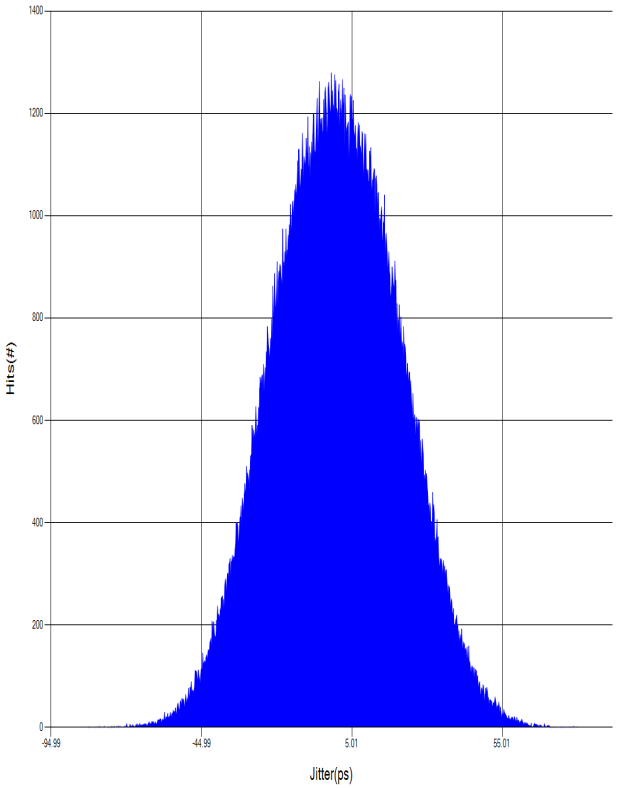


1000BASE-T Jitter Mastermode No TX_TCLK - 40.6.1.2.5 and 40.6.1.2.6 - Filtered TIE jitter

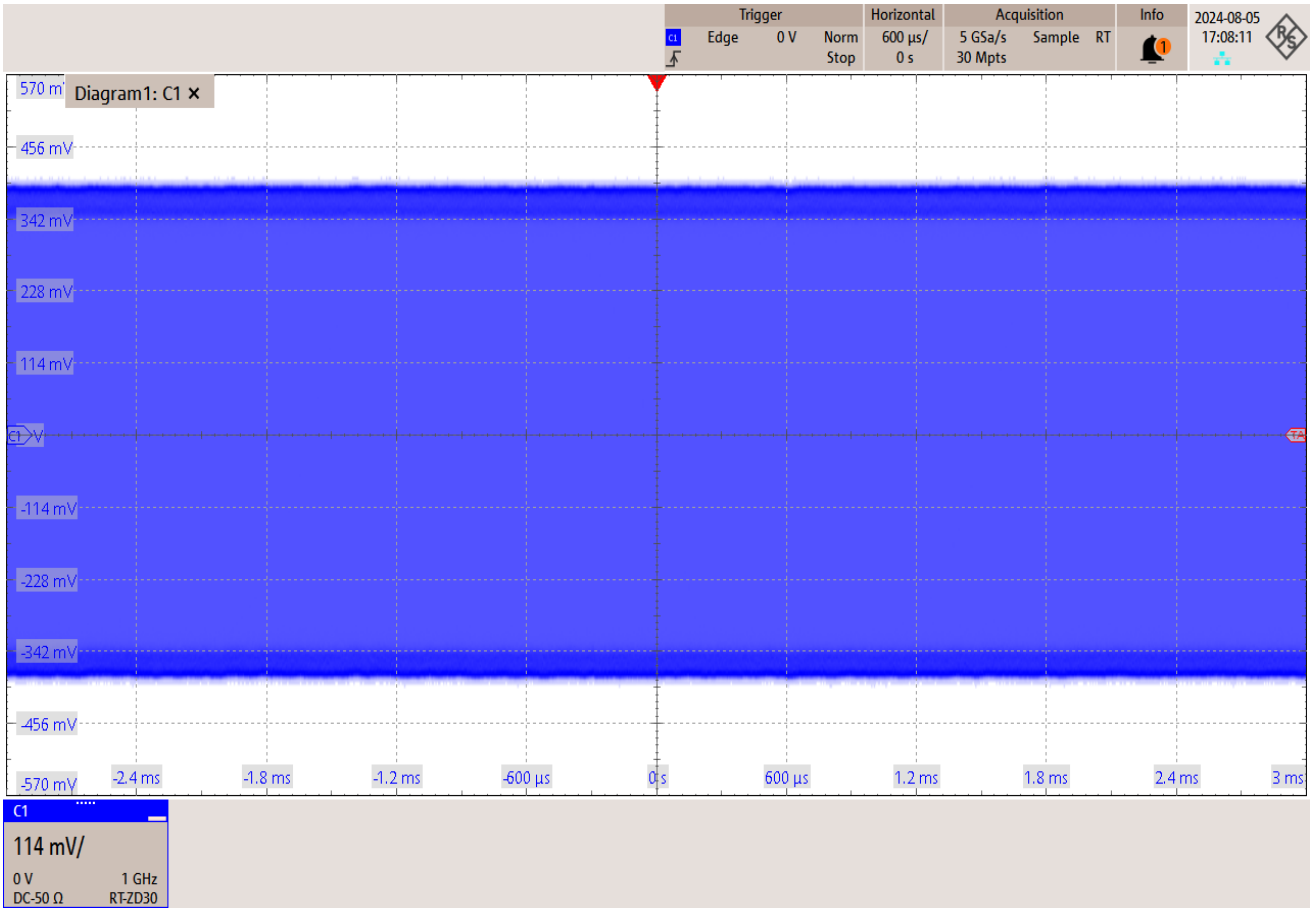
Max: 91.481 ps Min: -94.717 ps Avg: -17.682 fs



Peak-to-peak: 186.198 ps



1000BASE-T Jitter Mastermode No TX_TCLK - 40.6.1.2.5 and 40.6.1.2.6 - Transmitter Clock Frequency



1000BASE-T Jitter Slavemode No TX_TCLK - 40.6.1.2.5

Description	Jitter Slavemode No TX_TCLK (Recorded Waveform Length 102ms)
Pair	A
Run	1
Result	Pass
Time	07/30/2024 20:30:09
Comment	

Properties

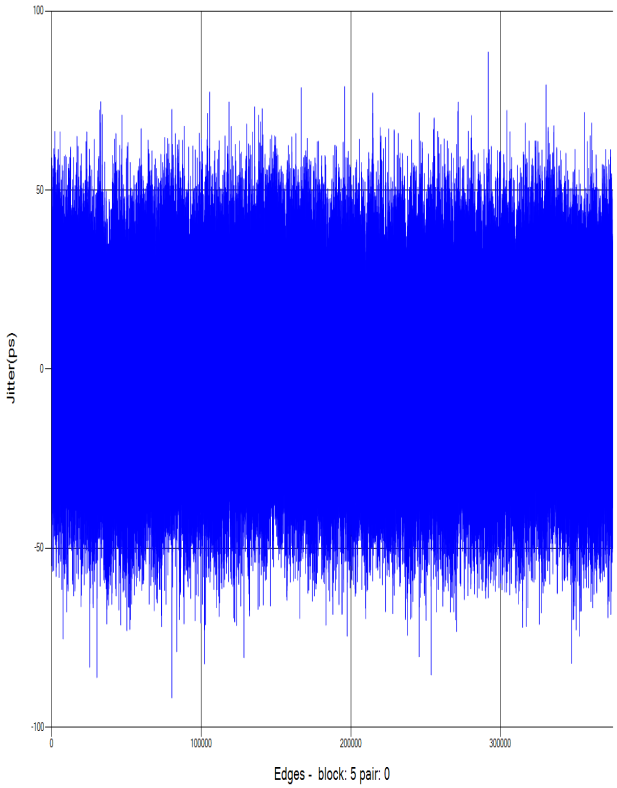
Name	Value	Name	Value
Measurement Time	0.1 s		

Additional Information

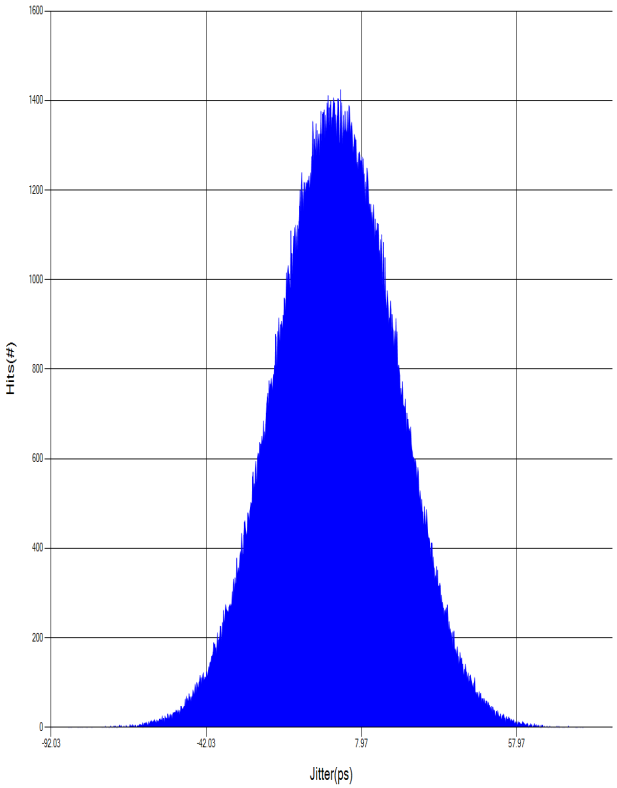
Measurement	Value	Limits
TM2 Unfiltered TIE jitter	180.322 ps	
TM2 Filtered TIE jitter	185.483 ps	
TM3 Unfiltered TIE jitter	176.787 ps	
TM3 Filtered TIE jitter	172.929 ps	
Unfiltered TIE jitter	-3.535 ps	x <= 1.4 ns
Filtered TIE jitter	-12.554 ps	x <= 400 ps

1000BASE-T Jitter Slavemode No TX_TCLK - 40.6.1.2.5 - TM2 Unfiltered TIE jitter

Max: 88.552 ps Min: -91.77 ps Avg: -179.419 fs

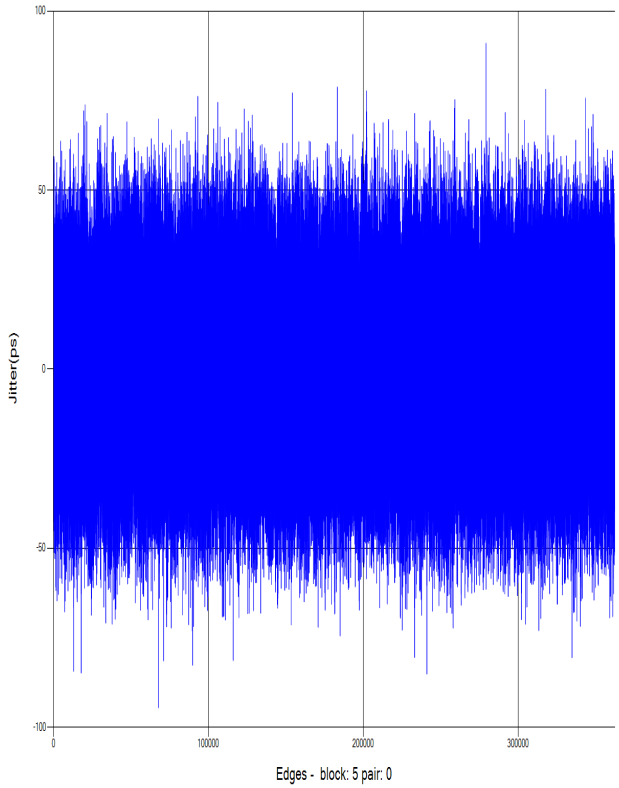


Peak-to-peak: 180.322 ps

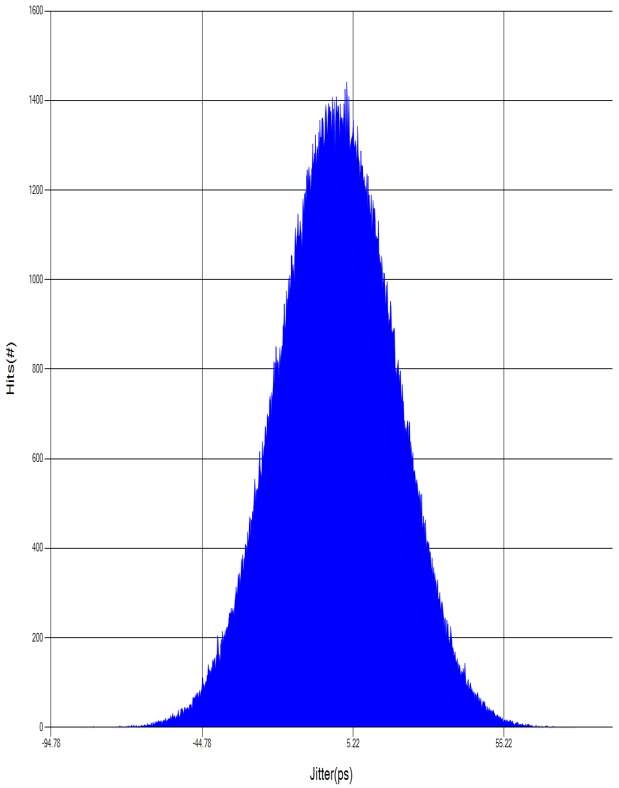


1000BASE-T Jitter Slavemode No TX_TCLK - 40.6.1.2.5 - TM2 Filtered TIE jitter

Max: 90.973 ps Min: -94.511 ps Avg: -17.886 fs

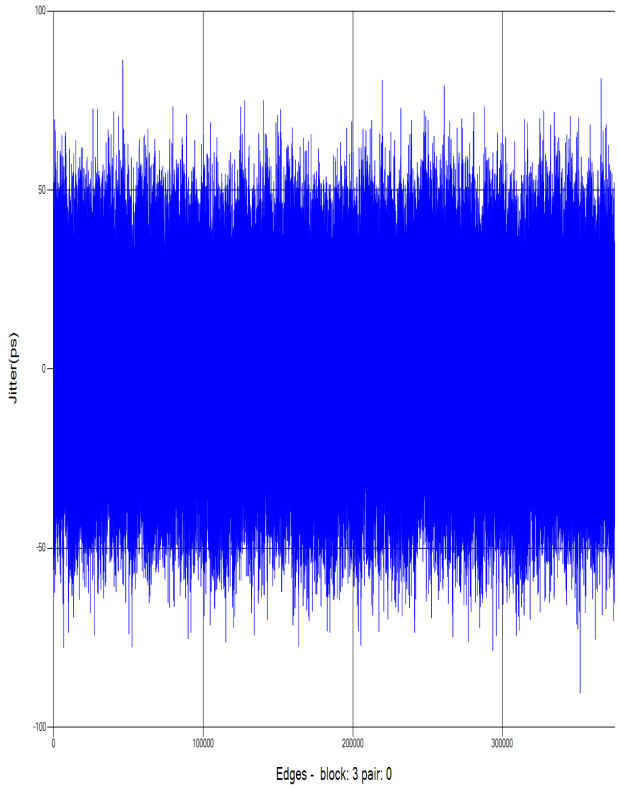


Peak-to-peak: 185.483 ps

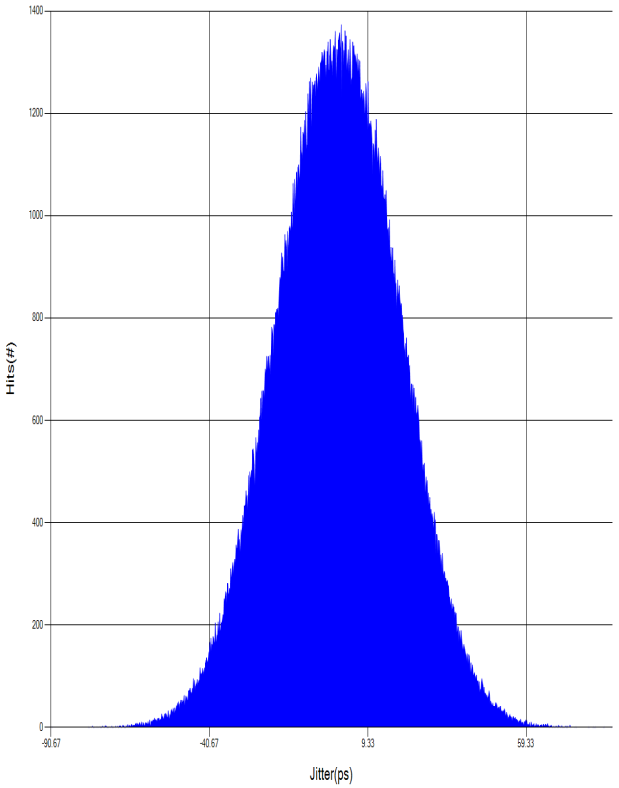


1000BASE-T Jitter Slavemode No TX_TCLK - 40.6.1.2.5 - TM3 Unfiltered TIE jitter

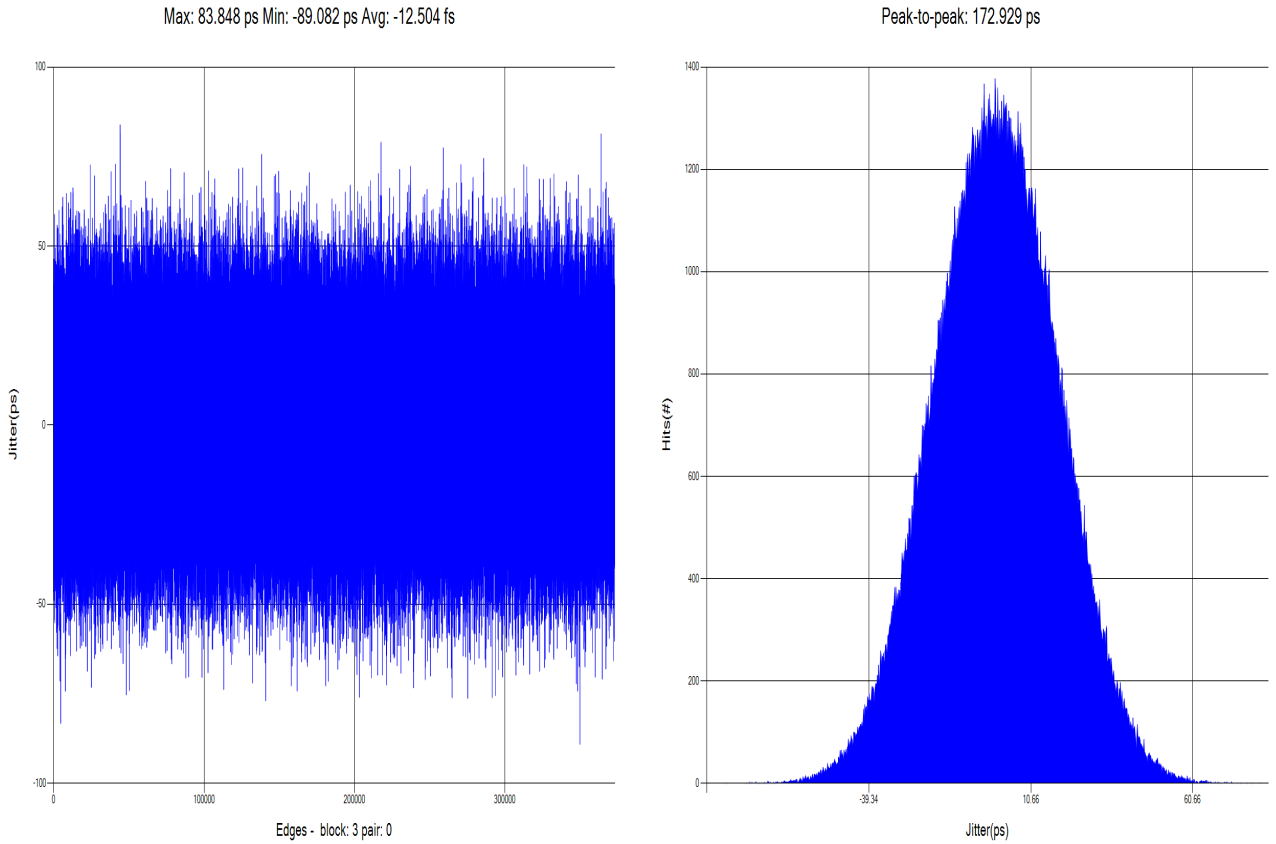
Max: 86.373 ps Min: -90.415 ps Avg: 33.452 fs



Peak-to-peak: 176.787 ps



1000BASE-T Jitter Slavemode No TX_TCLK - 40.6.1.2.5 - TM3 Filtered TIE jitter



1000BASE-T Jitter Slavemode No TX_TCLK - 40.6.1.2.5

Description	Jitter Slavemode No TX_TCLK (Recorded Waveform Length 102ms)
Pair	B
Run	2
Result	Pass
Time	08/05/2024 16:41:32
Comment	

Properties

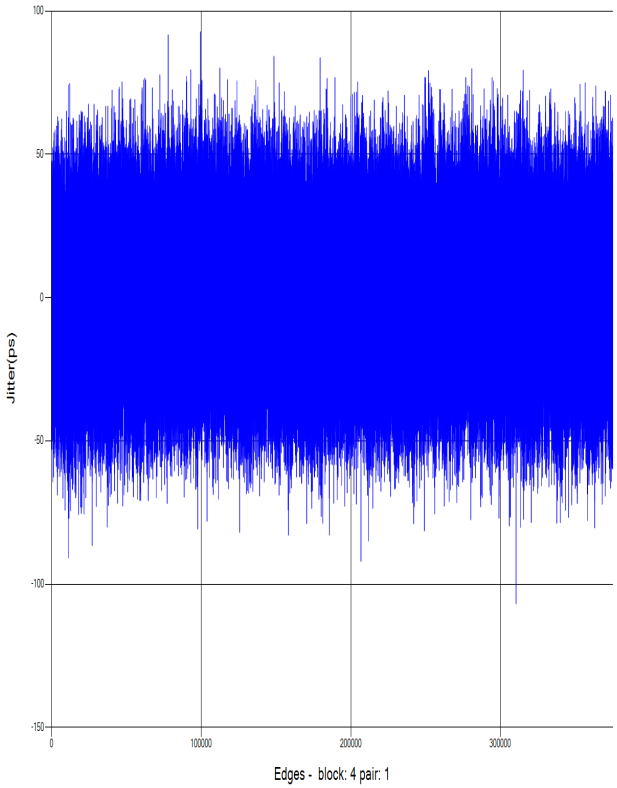
Name	Value	Name	Value
Measurement Time	0.1 s		

Additional Information

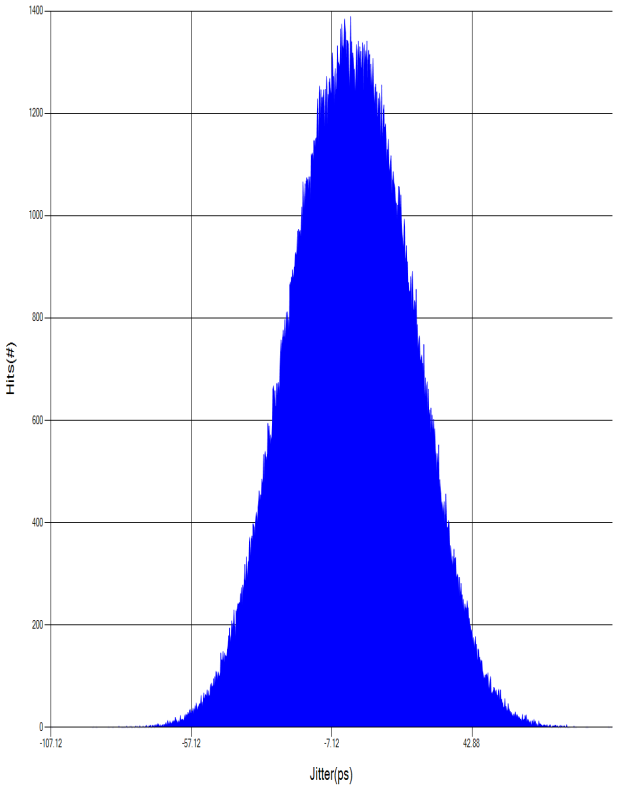
Measurement	Value	Limits
TM2 Unfiltered TIE jitter	199.556 ps	
TM2 Filtered TIE jitter	197.367 ps	
TM3 Unfiltered TIE jitter	185.427 ps	
TM3 Filtered TIE jitter	181.058 ps	
Unfiltered TIE jitter	-14.129 ps	x <= 1.4 ns
Filtered TIE jitter	-16.309 ps	x <= 400 ps

1000BASE-T Jitter Slavemode No TX_TCLK - 40.6.1.2.5 - TM2 Unfiltered TIE jitter

Max: 92.725 ps Min: -106.831 ps Avg: -48.711 fs

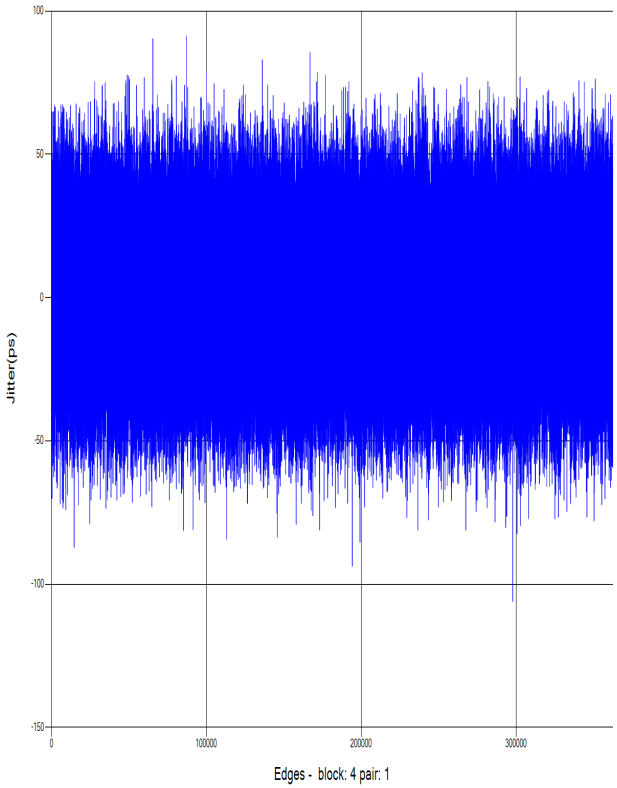


Peak-to-peak: 199.556 ps

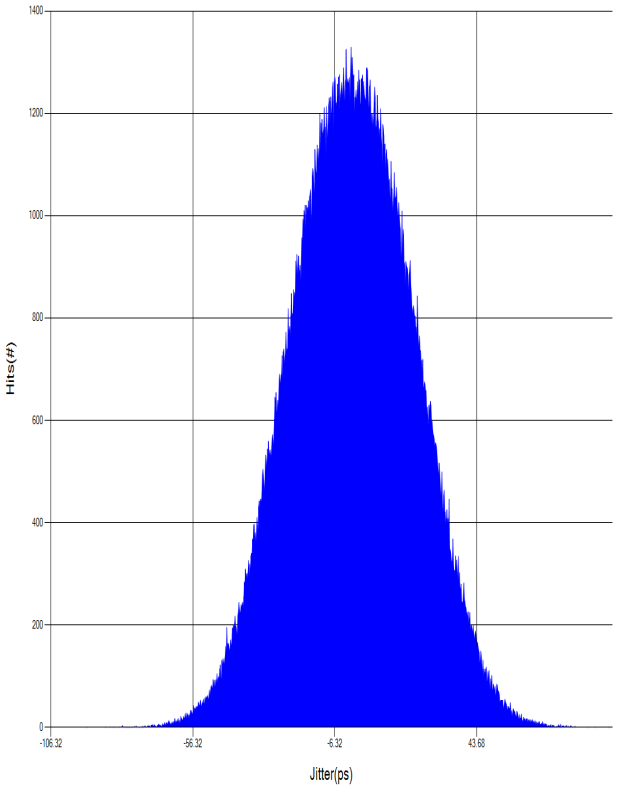


1000BASE-T Jitter Slavemode No TX_TCLK - 40.6.1.2.5 - TM2 Filtered TIE jitter

Max: 91.337 ps Min: -106.03 ps Avg: 37.562 fs

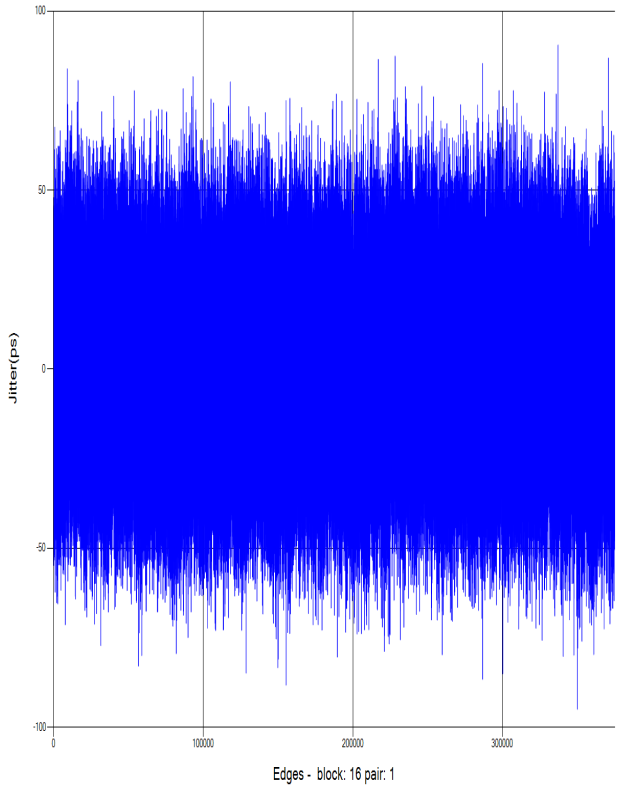


Peak-to-peak: 197.367 ps

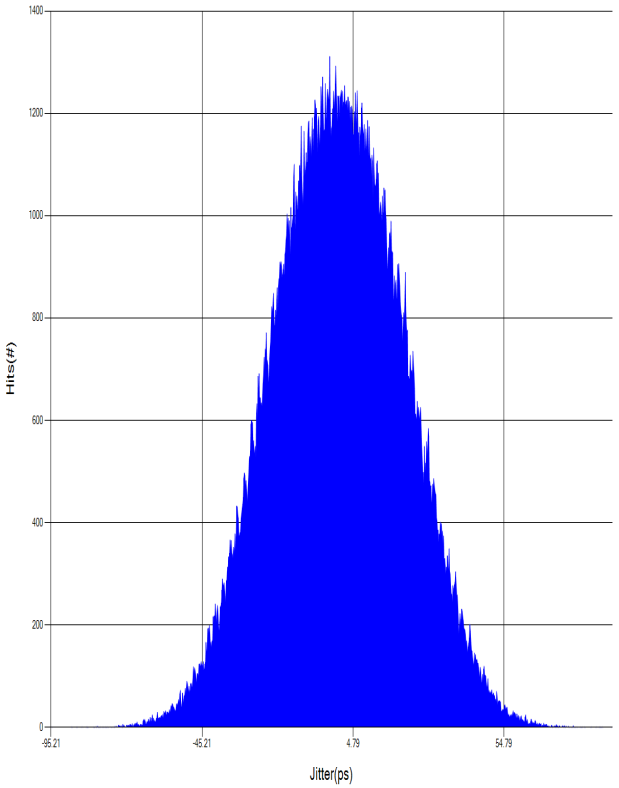


1000BASE-T Jitter Slavemode No TX_TCLK - 40.6.1.2.5 - TM3 Unfiltered TIE jitter

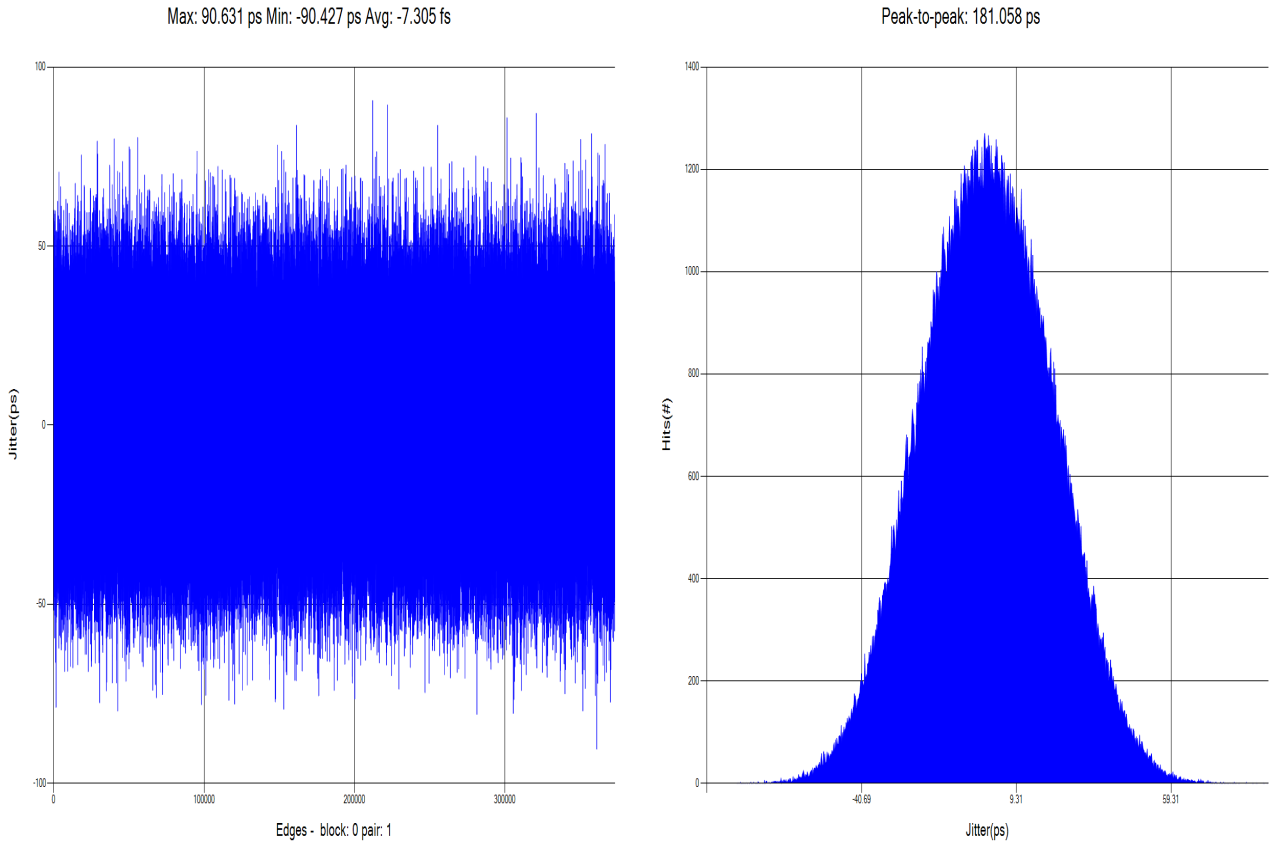
Max: 90.486 ps Min: -94.941 ps Avg: 15.695 fs



Peak-to-peak: 185.427 ps



1000BASE-T Jitter Slavemode No TX_TCLK - 40.6.1.2.5 - TM3 Filtered TIE jitter



1000BASE-T Jitter Slavemode No TX_TCLK - 40.6.1.2.5

Description	Jitter Slavemode No TX_TCLK (Recorded Waveform Length 102ms)
Pair	C
Run	3
Result	Pass
Time	08/05/2024 16:54:40
Comment	

Properties

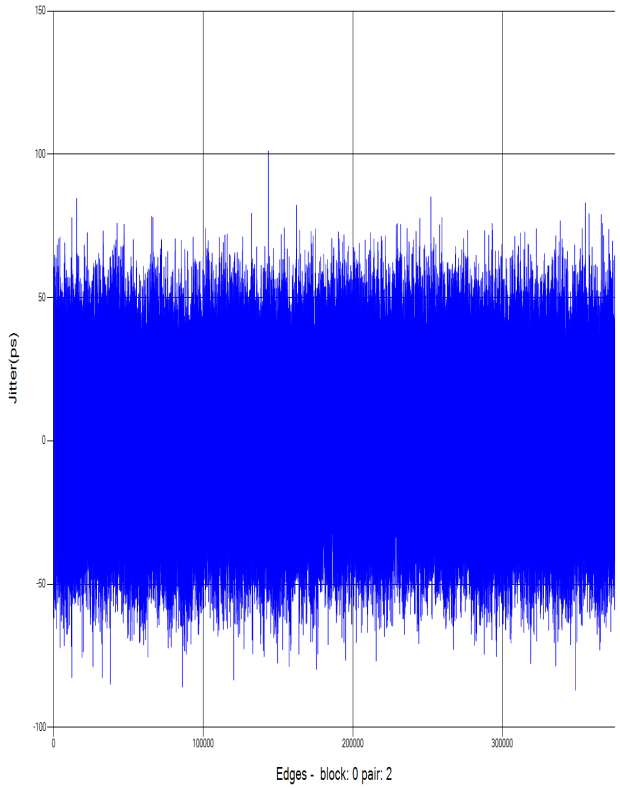
Name	Value	Name	Value
Measurement Time	0.1 s		

Additional Information

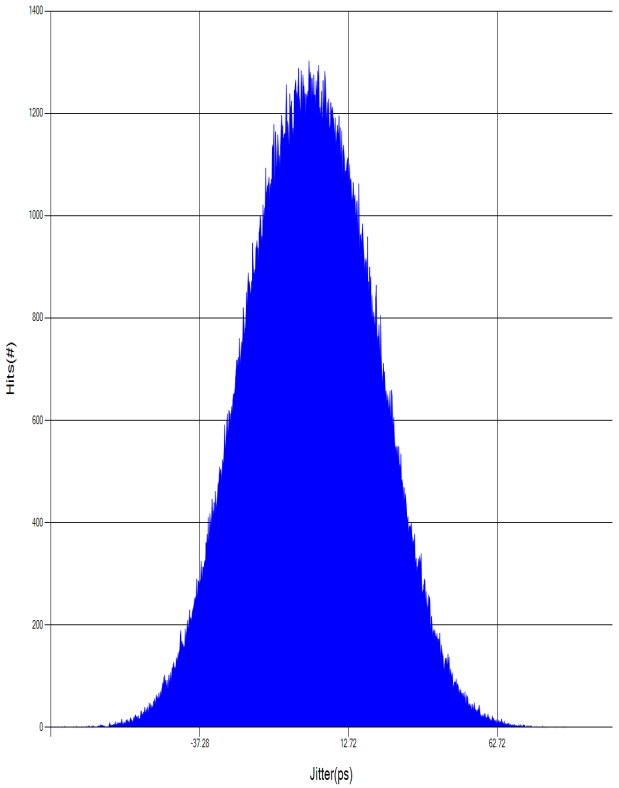
Measurement	Value	Limits
TM2 Unfiltered TIE jitter	188.162 ps	
TM2 Filtered TIE jitter	185.937 ps	
TM3 Unfiltered TIE jitter	187.546 ps	
TM3 Filtered TIE jitter	188.192 ps	
Unfiltered TIE jitter	-615.757 fs	x <= 1.4 ns
Filtered TIE jitter	2.255 ps	x <= 400 ps

1000BASE-T Jitter Slavemode No TX_TCLK - 40.6.1.2.5 - TM2 Unfiltered TIE jitter

Max: 101.16 ps Min: -87.001 ps Avg: 26.269 fs

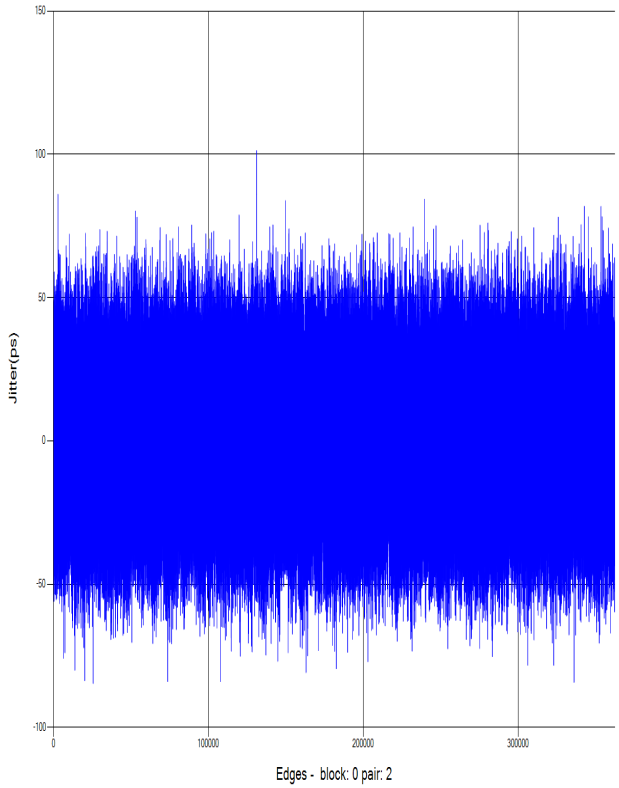


Peak-to-peak: 188.162 ps

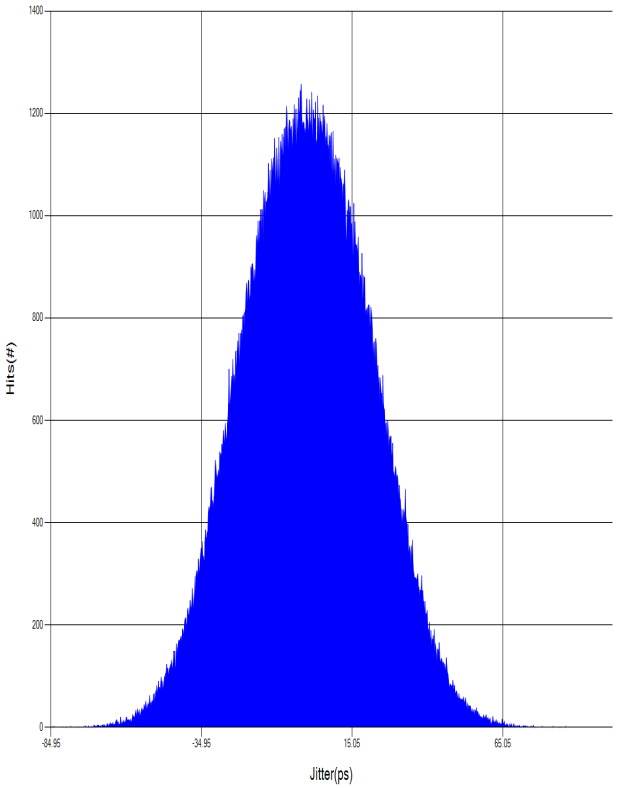


1000BASE-T Jitter Slavemode No TX_TCLK - 40.6.1.2.5 - TM2 Filtered TIE jitter

Max: 101.262 ps Min: -84.675 ps Avg: 17.471 fs

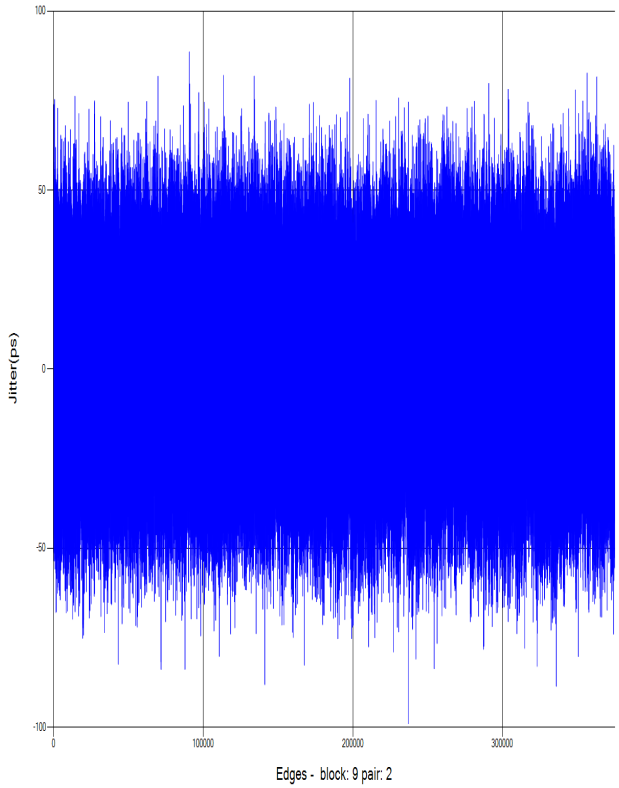


Peak-to-peak: 185.937 ps

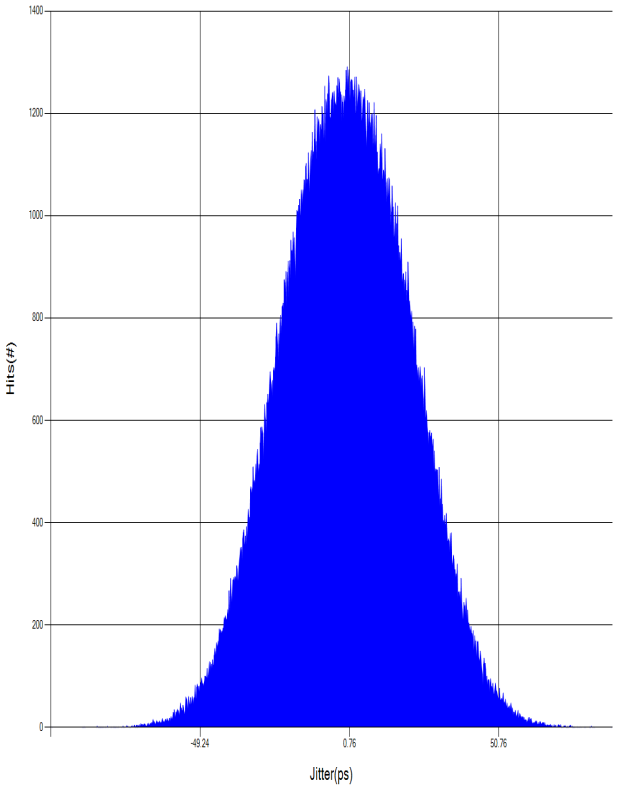


1000BASE-T Jitter Slavemode No TX_TCLK - 40.6.1.2.5 - TM3 Unfiltered TIE jitter

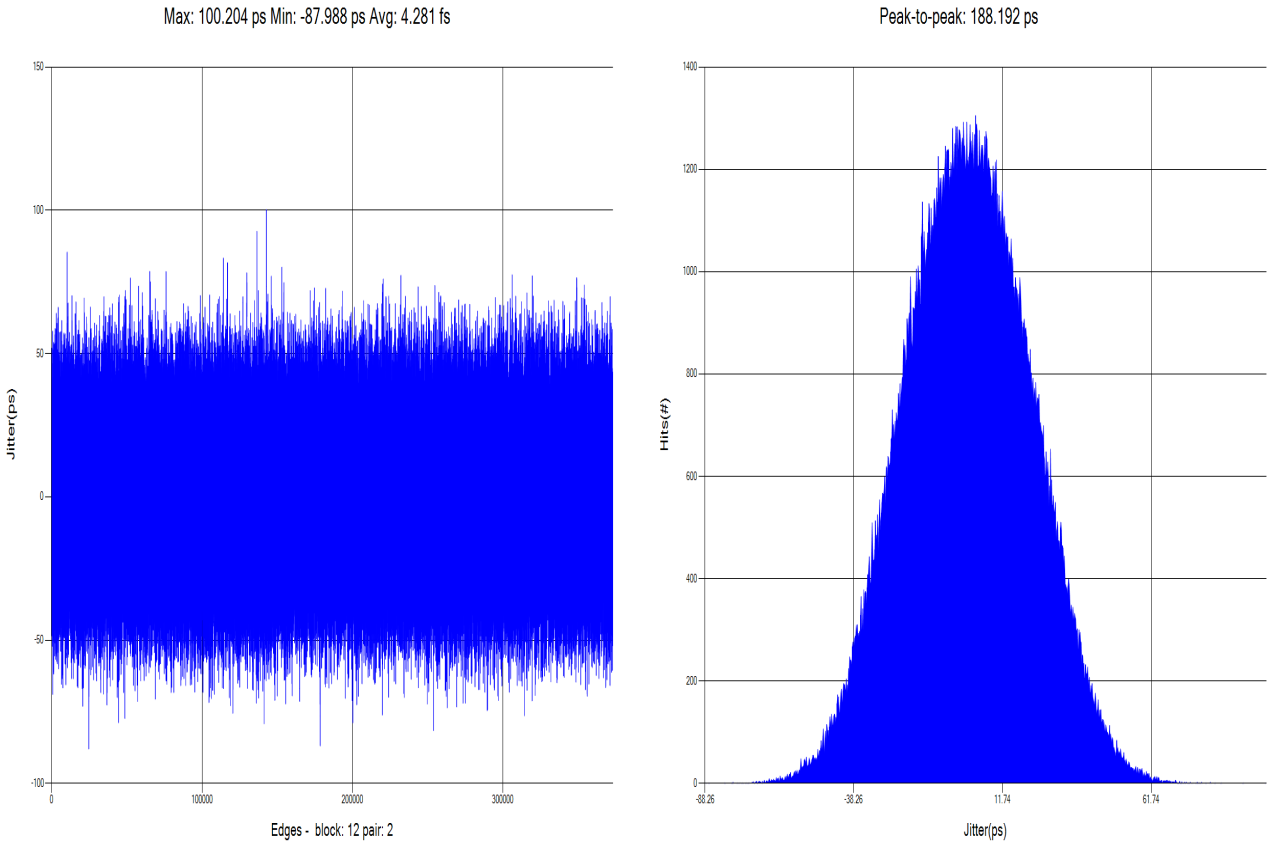
Max: 88.58 ps Min: -98.966 ps Avg: -302.527 fs



Peak-to-peak: 187.546 ps



1000BASE-T Jitter Slavemode No TX_TCLK - 40.6.1.2.5 - TM3 Filtered TIE jitter



1000BASE-T Jitter Slavemode No TX_TCLK - 40.6.1.2.5

Description	Jitter Slavemode No TX_TCLK (Recorded Waveform Length 102ms)
Pair	D
Run	4
Result	Pass
Time	08/05/2024 17:08:14
Comment	

Properties

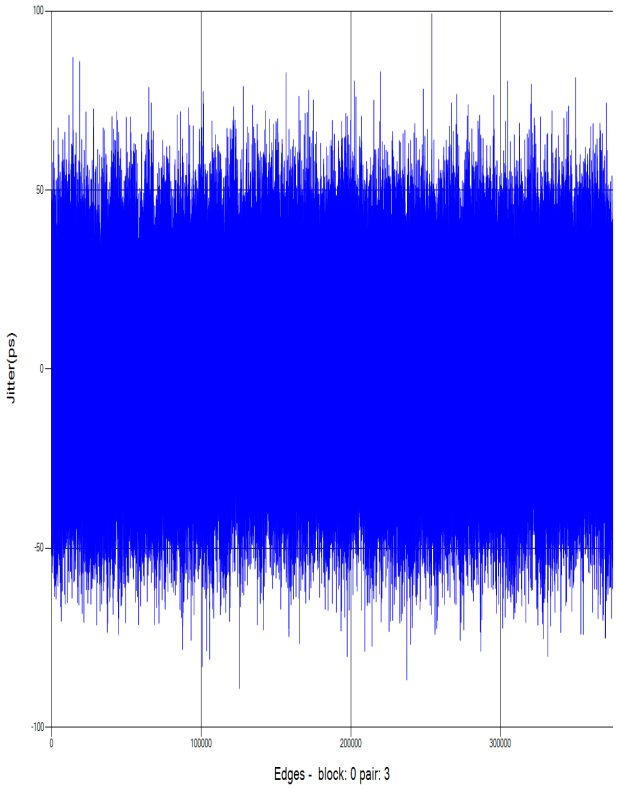
Name	Value	Name	Value
Measurement Time	0.1 s		

Additional Information

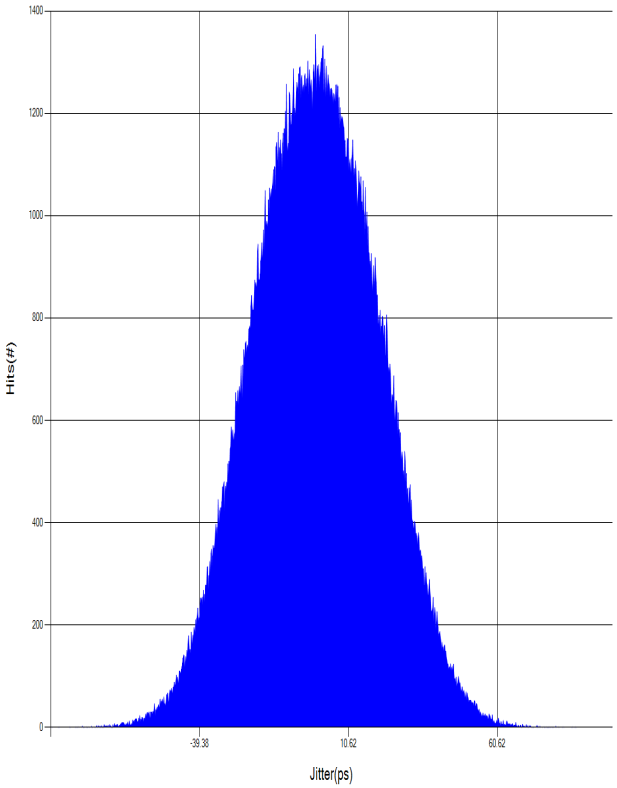
Measurement	Value	Limits
TM2 Unfiltered TIE jitter	188.315 ps	
TM2 Filtered TIE jitter	192.038 ps	
TM3 Unfiltered TIE jitter	192.592 ps	
TM3 Filtered TIE jitter	187.574 ps	
Unfiltered TIE jitter	4.278 ps	x <= 1.4 ns
Filtered TIE jitter	-4.464 ps	x <= 400 ps

1000BASE-T Jitter Slavemode No TX_TCLK - 40.6.1.2.5 - TM2 Unfiltered TIE jitter

Max: 99.208 ps Min: -89.107 ps Avg: -163.411 fs

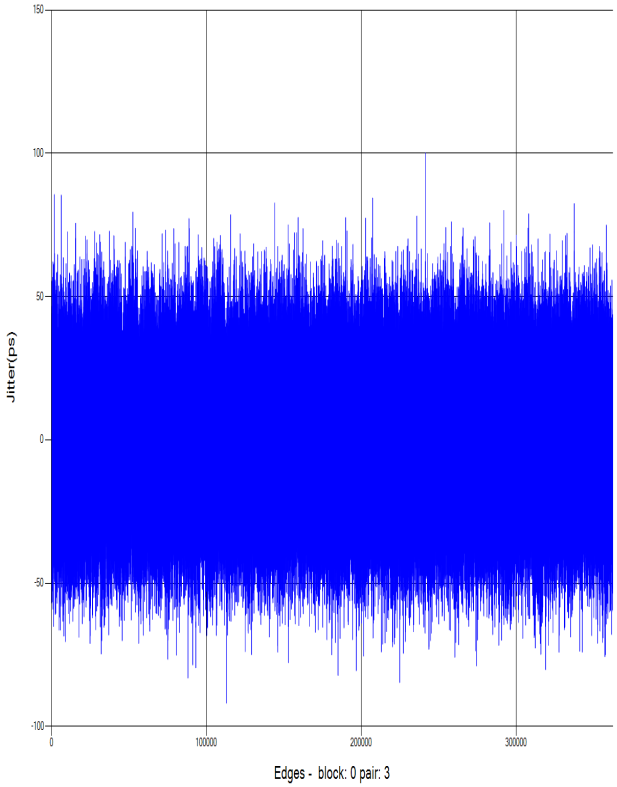


Peak-to-peak: 188.315 ps

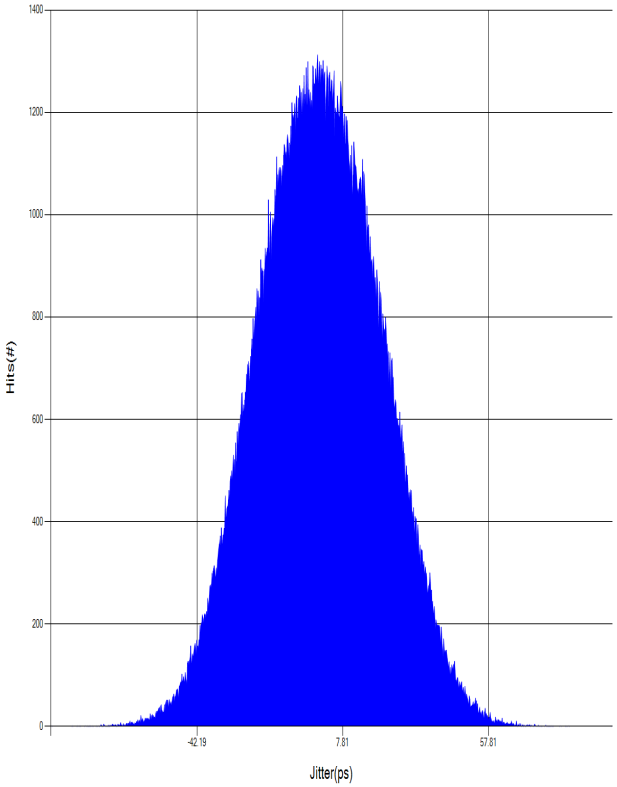


1000BASE-T Jitter Slavemode No TX_TCLK - 40.6.1.2.5 - TM2 Filtered TIE jitter

Max: 100.135 ps Min: -91.904 ps Avg: -23.94 fs

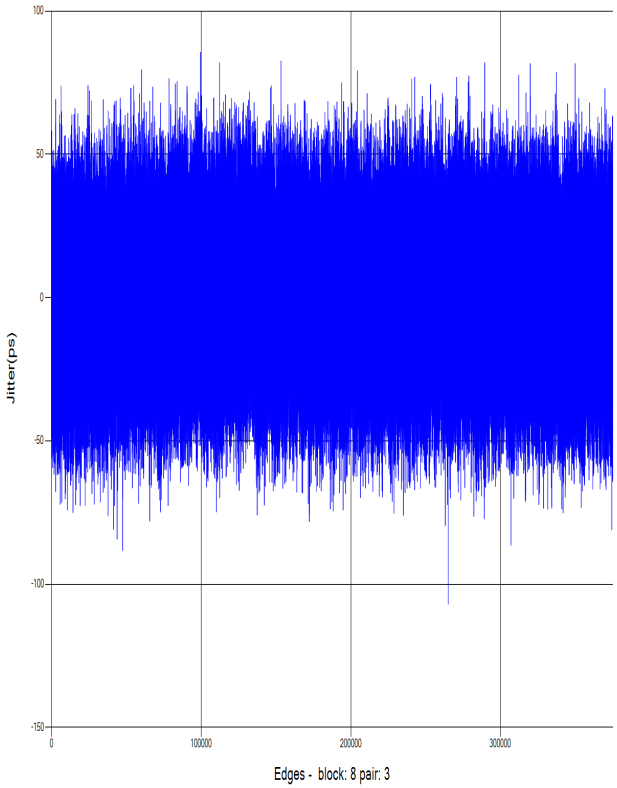


Peak-to-peak: 192.038 ps

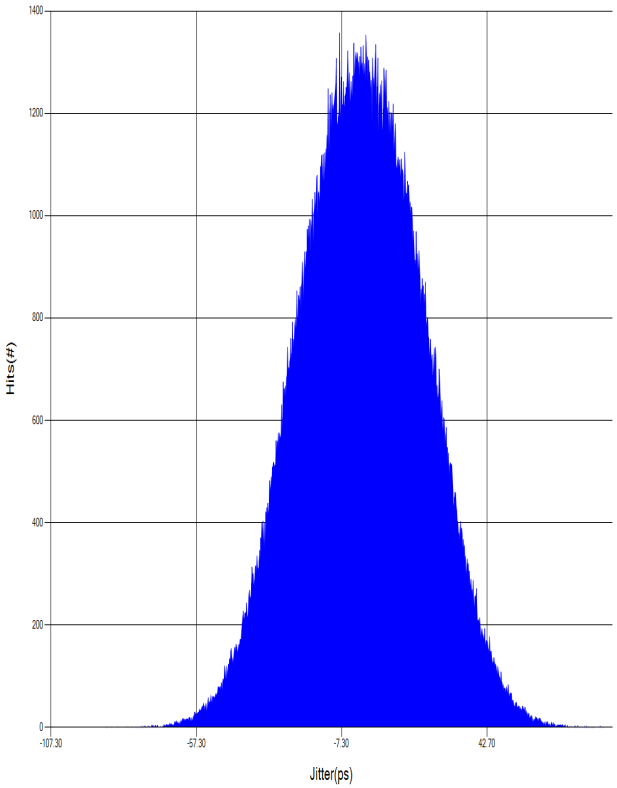


1000BASE-T Jitter Slavemode No TX_TCLK - 40.6.1.2.5 - TM3 Unfiltered TIE jitter

Max: 85.573 ps Min: -107.02 ps Avg: -344.754 fs

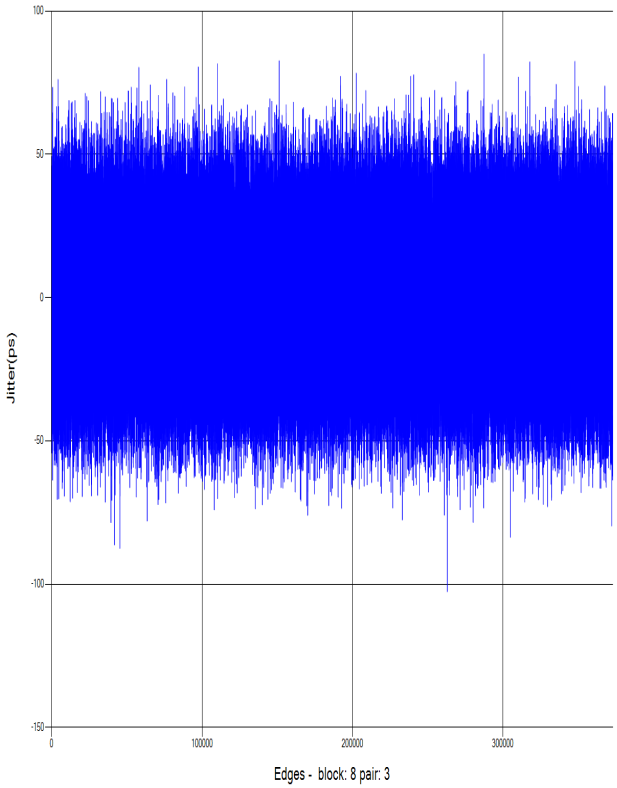


Peak-to-peak: 192.592 ps

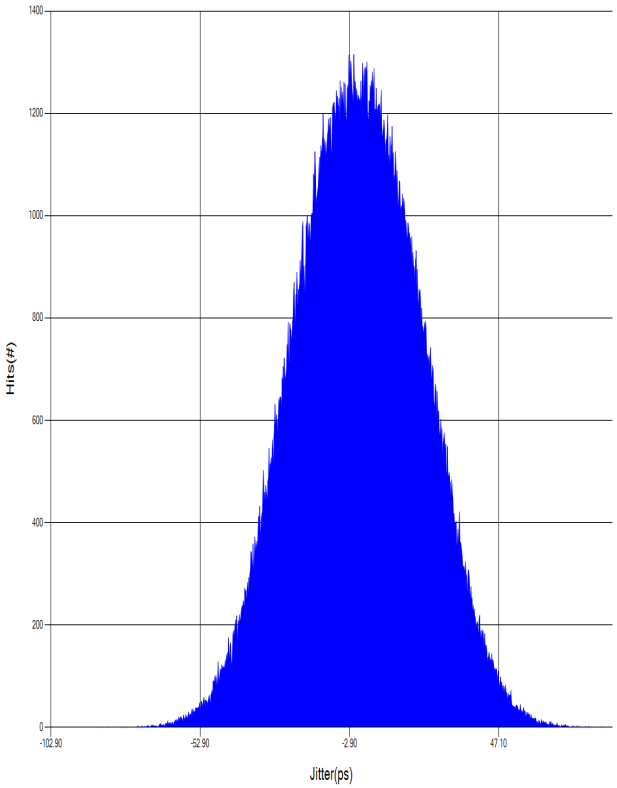


1000BASE-T Jitter Slavemode No TX_TCLK - 40.6.1.2.5 - TM3 Filtered TIE jitter

Max: 84.949 ps Min: -102.625 ps Avg: 3.924 fs



Peak-to-peak: 187.574 ps



Ethernet 1000BASE-T Test Report

1000BASE-T MDI Return Loss (Single-ended) - 40.8.3.1

Description	MDI Return Loss (Single-ended)
Pair	A
Run	1
Result	Pass
Time	07/30/2024 19:04:41
Comment	

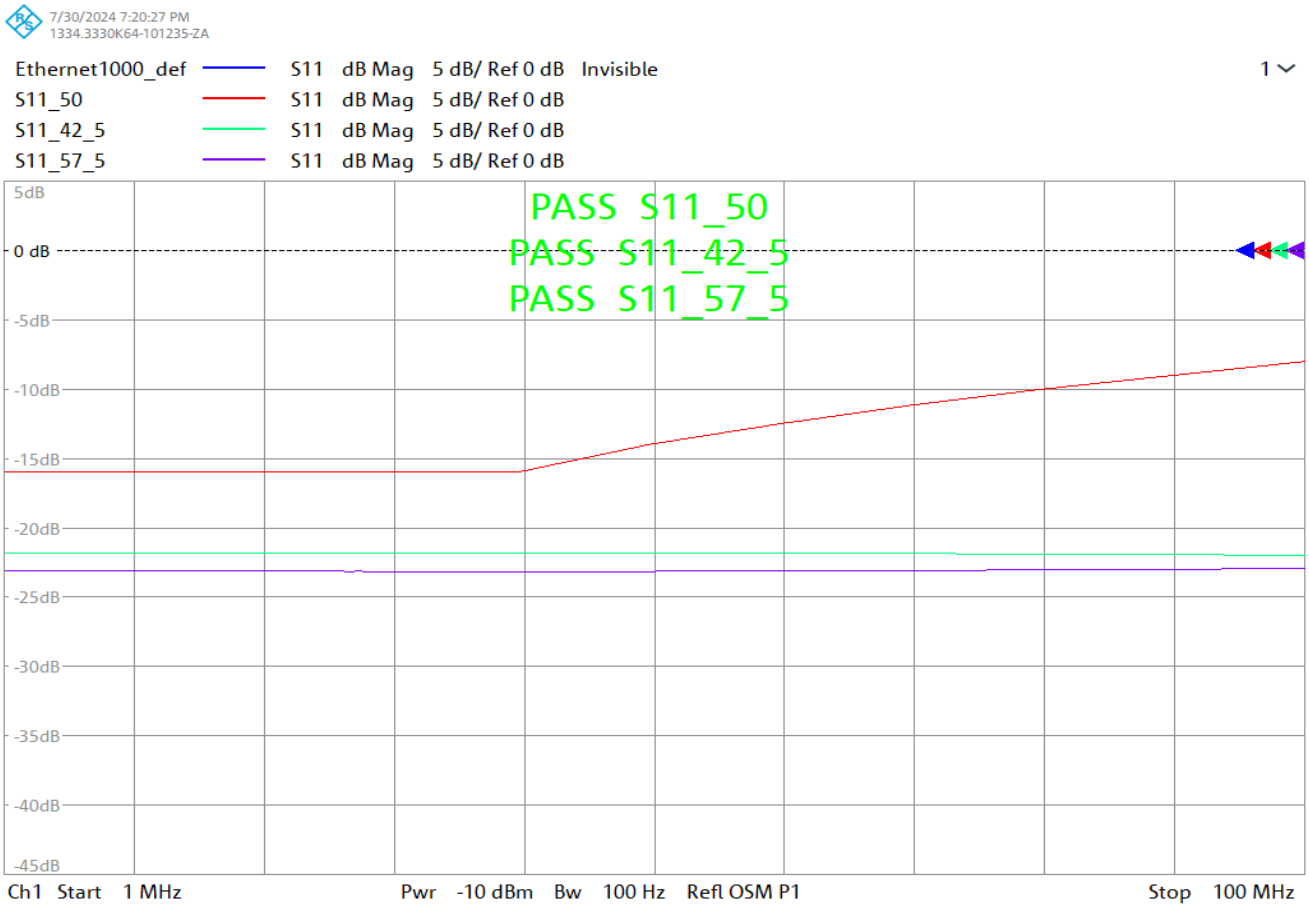
Properties

Name	Value	Name	Value
Pair	A	Expert Mode	No

Additional Information

Measurement	Value	Limits
MDI Return Loss (Single-ended)	No point failed	No point failed

1000BASE-T MDI Return Loss (Single-ended) - 40.8.3.1 - MDI Return Loss (Single-ended)



Ethernet 1000BASE-T Test Report

1000BASE-T MDI Return Loss (Single-ended) - 40.8.3.1

Description	MDI Return Loss (Single-ended)
Pair	B
Run	2
Result	Pass
Time	07/30/2024 19:06:00
Comment	

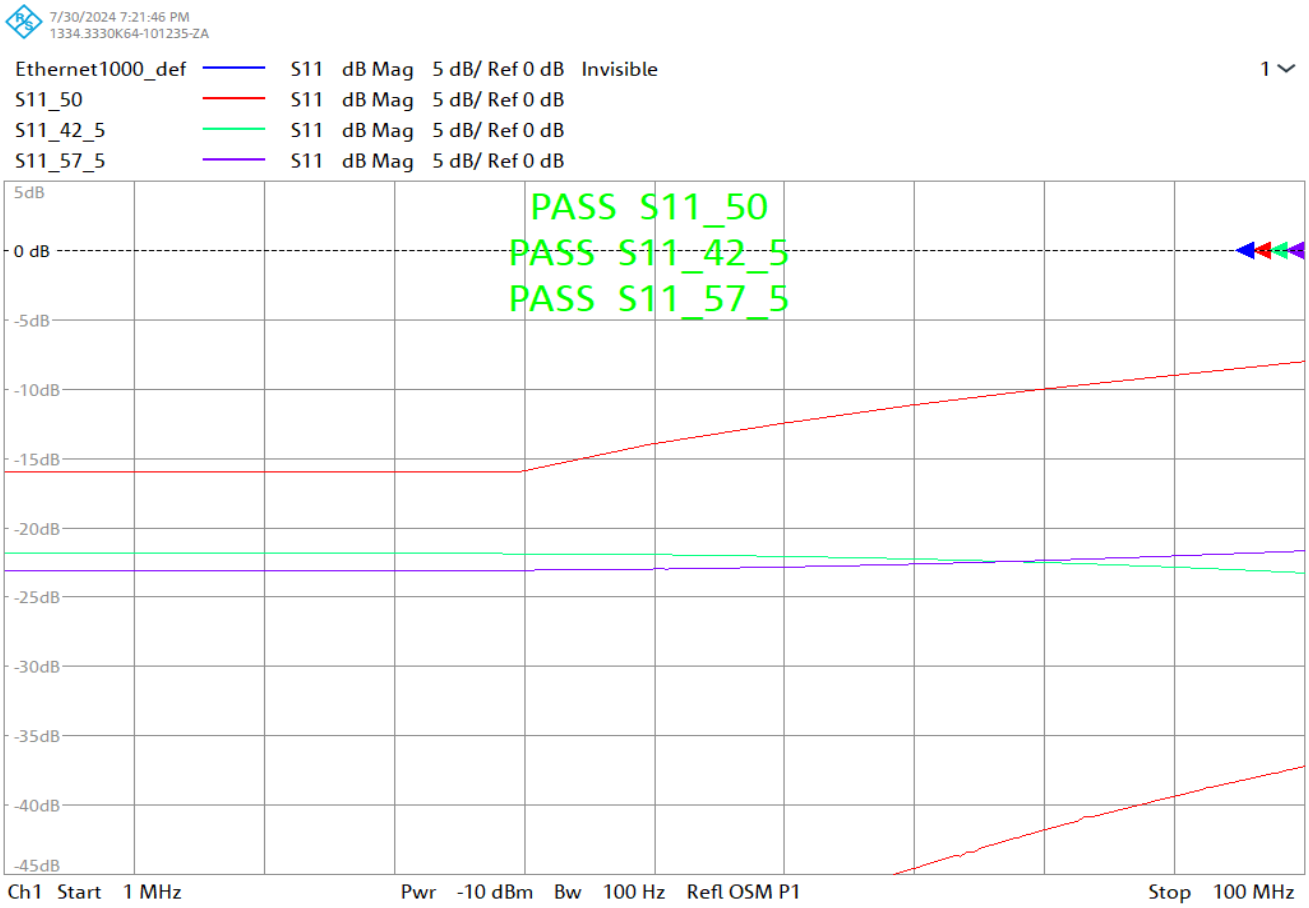
Properties

Name	Value	Name	Value
Pair	B	Expert Mode	No

Additional Information

Measurement	Value	Limits
MDI Return Loss (Single-ended)	No point failed	No point failed

1000BASE-T MDI Return Loss (Single-ended) - 40.8.3.1 - MDI Return Loss (Single-ended)



Ethernet 1000BASE-T Test Report

1000BASE-T MDI Return Loss (Single-ended) - 40.8.3.1

Description	MDI Return Loss (Single-ended)
Pair	C
Run	3
Result	Pass
Time	07/30/2024 19:07:14
Comment	

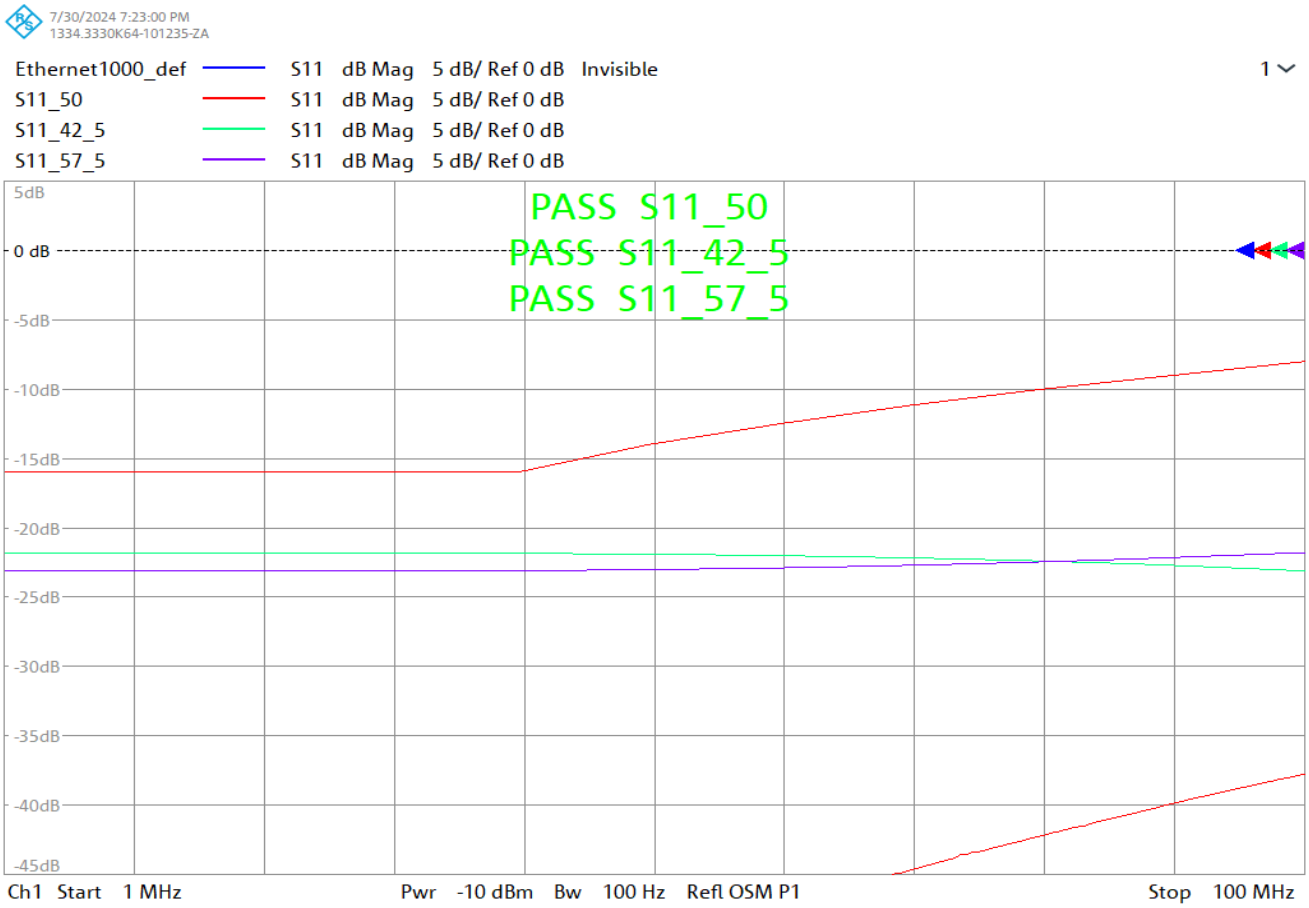
Properties

Name	Value	Name	Value
Pair	C	Expert Mode	No

Additional Information

Measurement	Value	Limits
MDI Return Loss (Single-ended)	No point failed	No point failed

1000BASE-T MDI Return Loss (Single-ended) - 40.8.3.1 - MDI Return Loss (Single-ended)



Ethernet 1000BASE-T Test Report

1000BASE-T MDI Return Loss (Single-ended) - 40.8.3.1

Description	MDI Return Loss (Single-ended)
Pair	D
Run	4
Result	Pass
Time	07/30/2024 19:09:09
Comment	

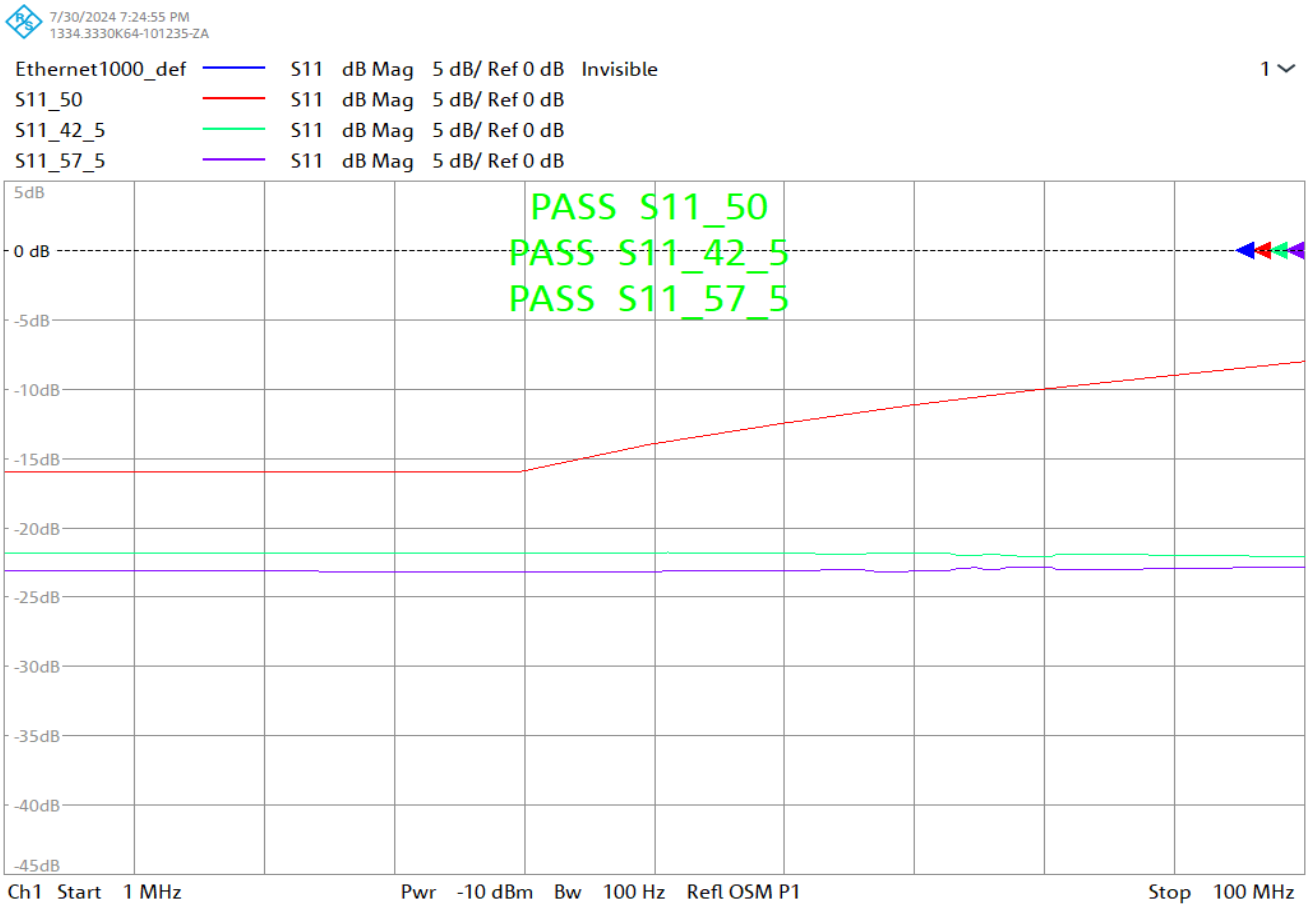
Properties

Name	Value	Name	Value
Pair	D	Expert Mode	No

Additional Information

Measurement	Value	Limits
MDI Return Loss (Single-ended)	No point failed	No point failed

1000BASE-T MDI Return Loss (Single-ended) - 40.8.3.1 - MDI Return Loss (Single-ended)



Ethernet 1000BASE-T Test Report

1000BASE-T Common-mode Output Voltage - 40.8.3.3

Description	Common-mode Output Voltage
Pair	A
Run	2
Result	Pass
Time	07/30/2024 20:30:00
Comment	

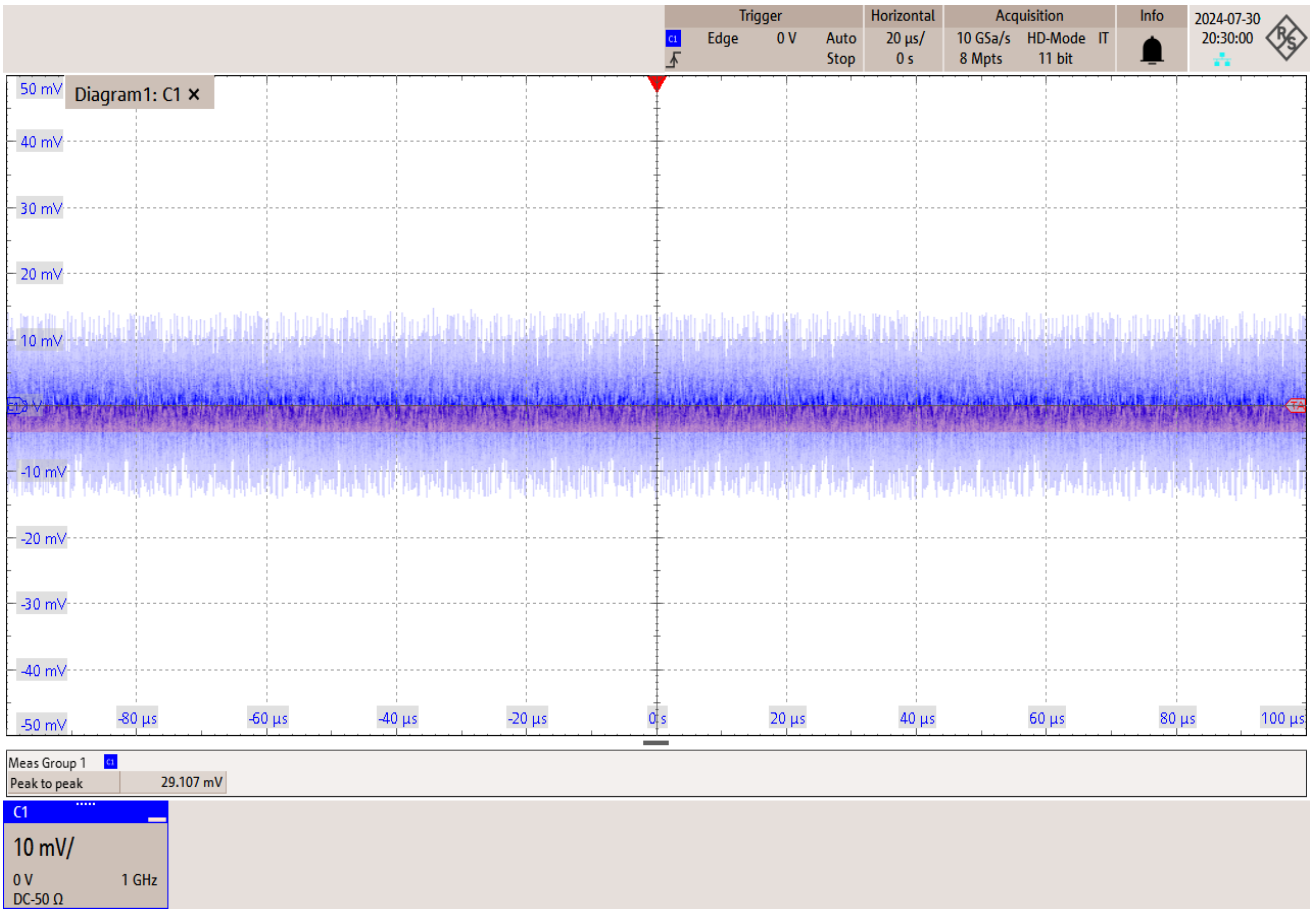
Properties

Name	Value	Name	Value
Measurement Time	0.0002 s	Test Fixture	RT-ZF2-SMA
Expert Mode	No		

Additional Information

Measurement	Value	Limits
Common-mode Output Voltage	29.107 mV	x <= 50 mV

1000BASE-T Common-mode Output Voltage - 40.8.3.3 - Common-mode Output Voltage



Ethernet 1000BASE-T Test Report

1000BASE-T Common-mode Output Voltage - 40.8.3.3

Description	Common-mode Output Voltage
Pair	B
Run	3
Result	Pass
Time	08/05/2024 14:35:29
Comment	

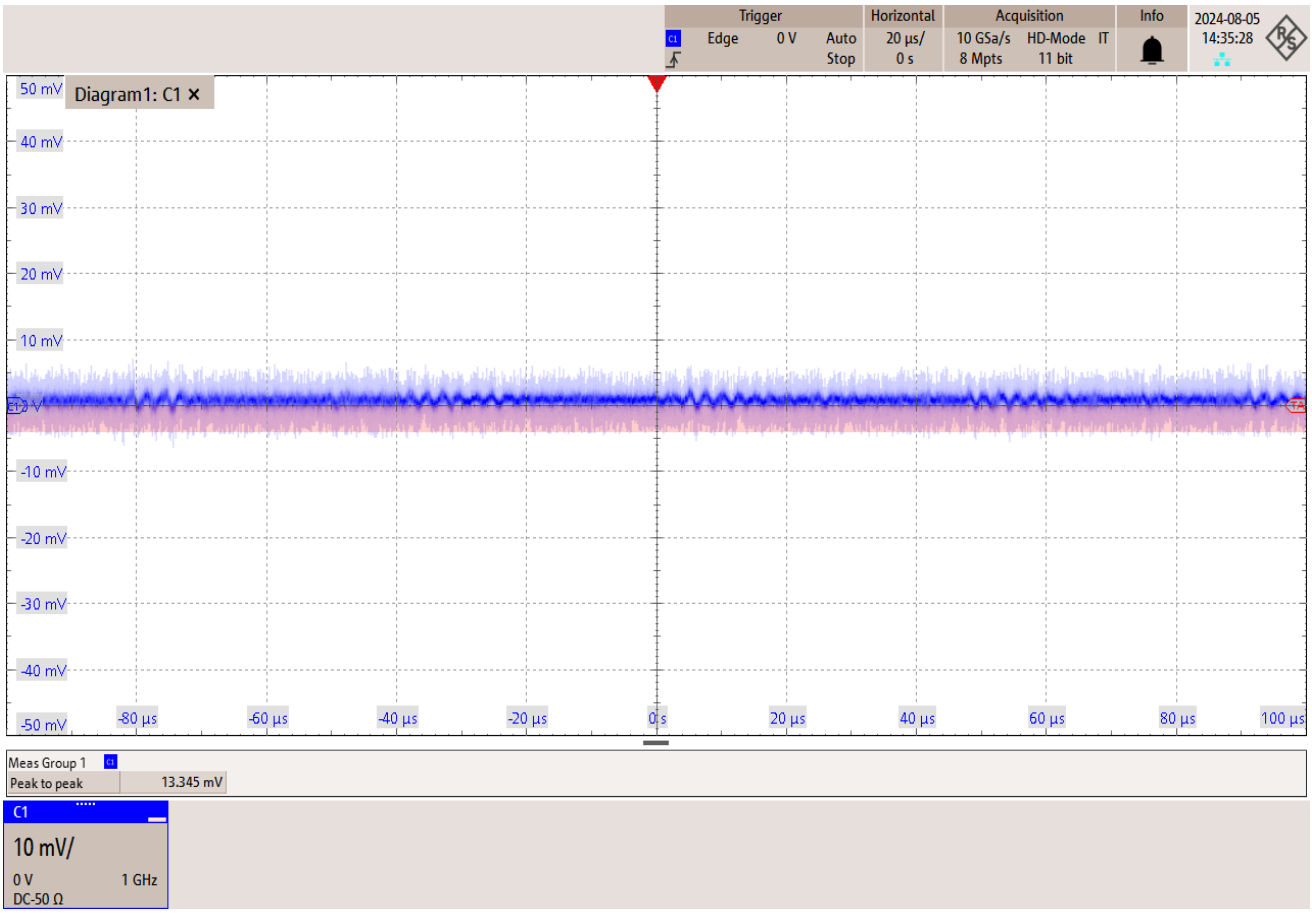
Properties

Name	Value	Name	Value
Measurement Time	0.0002 s	Test Fixture	RT-ZF2-SMA
Expert Mode	No		

Additional Information

Measurement	Value	Limits
Common-mode Output Voltage	13.345 mV	x <= 50 mV

1000BASE-T Common-mode Output Voltage - 40.8.3.3 - Common-mode Output Voltage



Ethernet 1000BASE-T Test Report

1000BASE-T Common-mode Output Voltage - 40.8.3.3

Description	Common-mode Output Voltage
Pair	C
Run	4
Result	Pass
Time	08/05/2024 14:35:54
Comment	

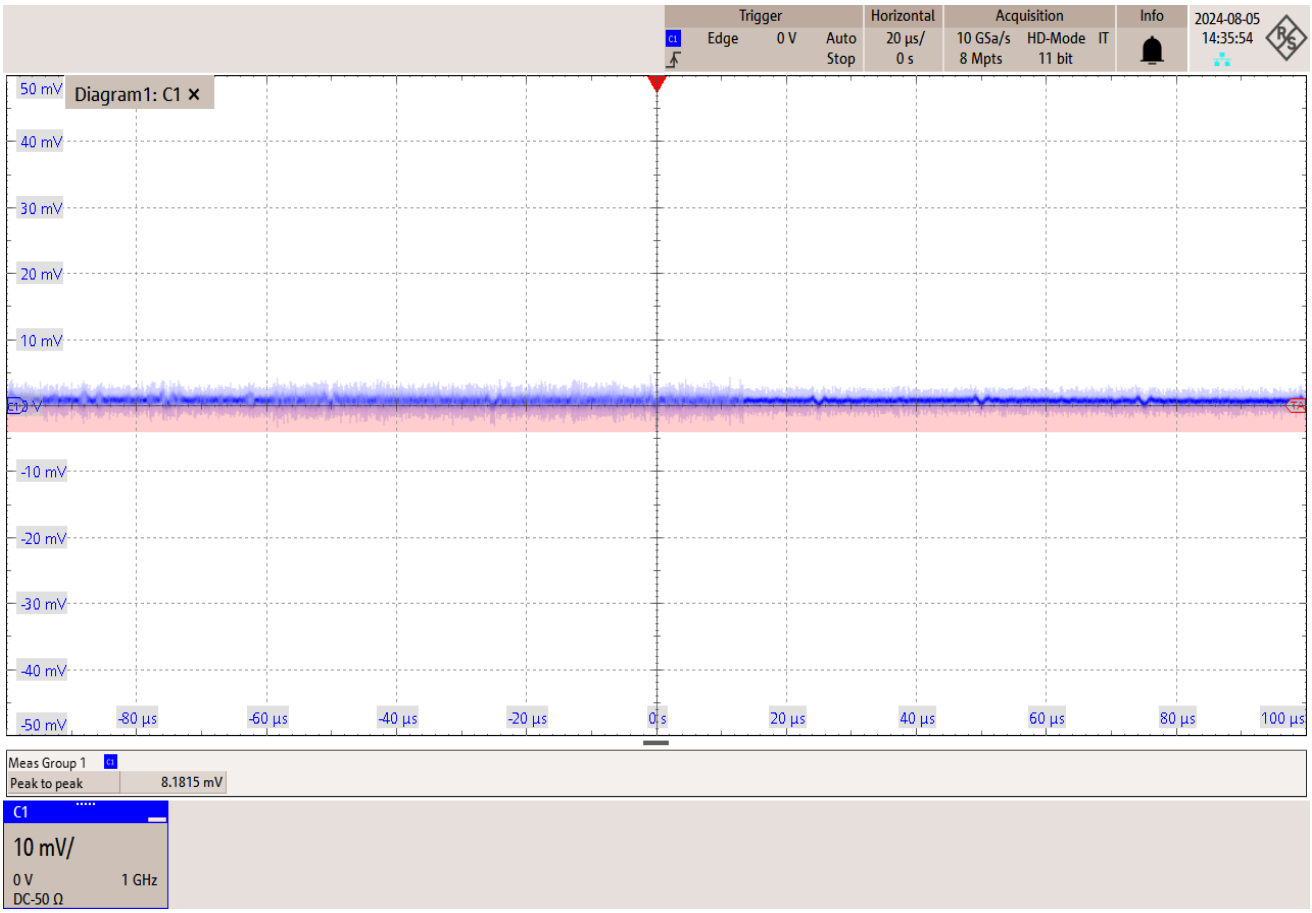
Properties

Name	Value	Name	Value
Measurement Time	0.0002 s	Test Fixture	RT-ZF2-SMA
Expert Mode	No		

Additional Information

Measurement	Value	Limits
Common-mode Output Voltage	8.182 mV	x <= 50 mV

1000BASE-T Common-mode Output Voltage - 40.8.3.3 - Common-mode Output Voltage



Ethernet 1000BASE-T Test Report

1000BASE-T Common-mode Output Voltage - 40.8.3.3

Description	Common-mode Output Voltage
Pair	D
Run	5
Result	Pass
Time	08/05/2024 14:36:16
Comment	

Properties

Name	Value	Name	Value
Measurement Time	0.0002 s	Test Fixture	RT-ZF2-SMA
Expert Mode	No		

Additional Information

Measurement	Value	Limits
Common-mode Output Voltage	23.981 mV	x <= 50 mV

1000BASE-T Common-mode Output Voltage - 40.8.3.3 - Common-mode Output Voltage