

PFRC FEC RGA Analog Scan

May 05, 2023 11:12:11 AM

X = 1.1 Y = -3.68e-011

Analysis for pfrc-rga-fec

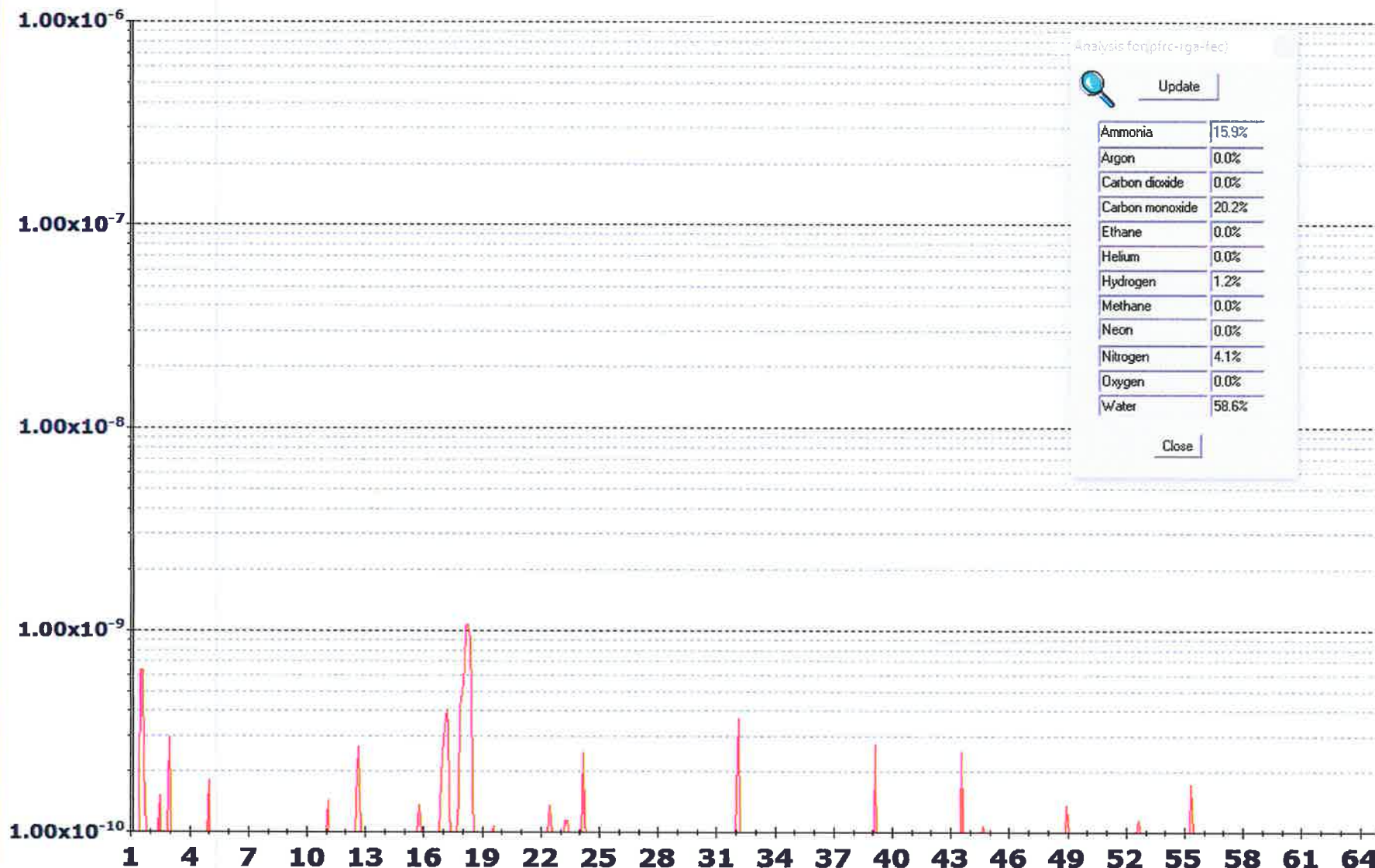


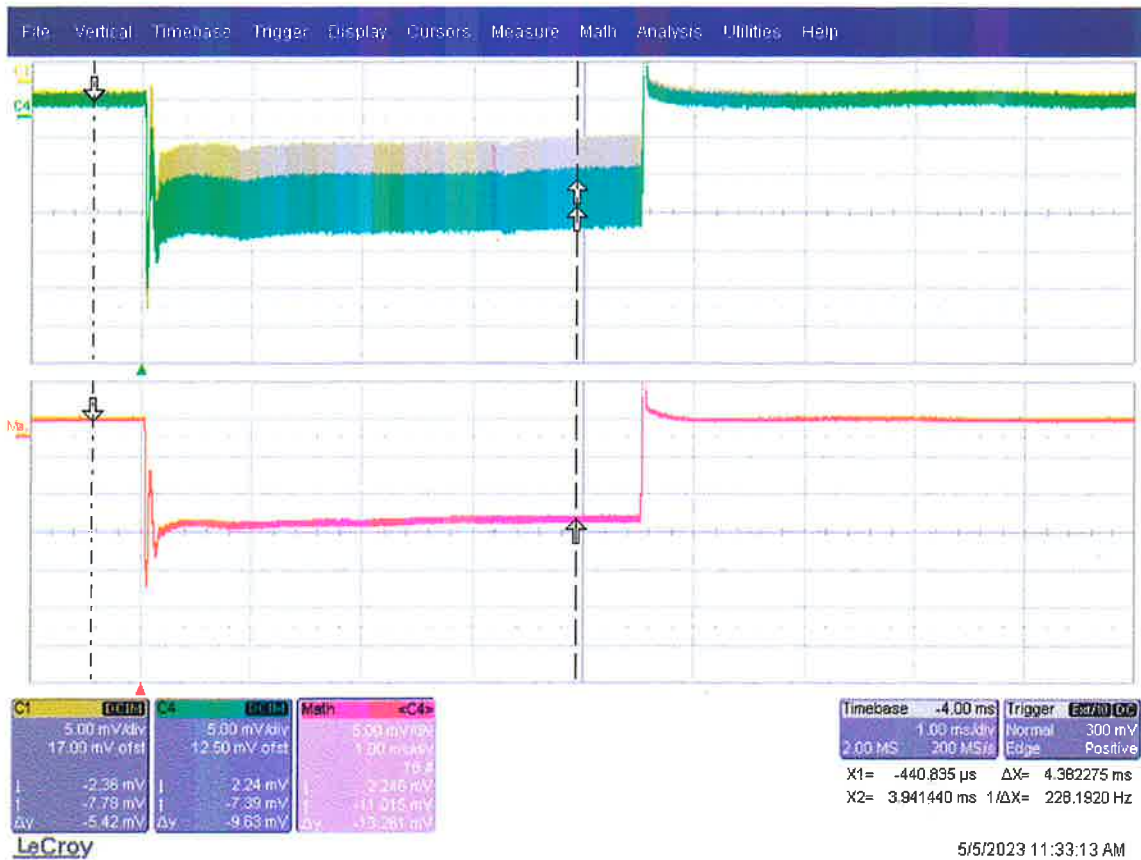
Update

Ammonia	15.9%
Argon	0.0%
Carbon dioxide	0.0%
Carbon monoxide	20.2%
Ethane	0.0%
Helium	0.0%
Hydrogen	1.2%
Methane	0.0%
Neon	0.0%
Nitrogen	4.1%
Oxygen	0.0%
Water	58.6%

Close

Torr





5/5/2023 11:33:13 AM

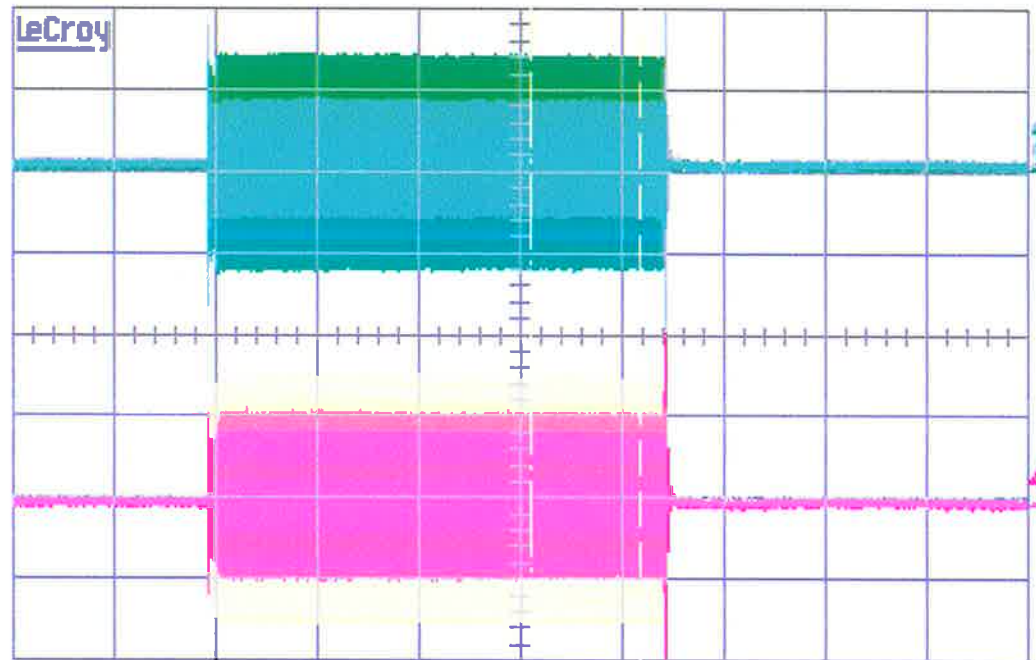
5-May-23
11:34:05

1
1 ms
0.50 V

2
1 ms
200 mV

4
1 ms
200 mV

1 ms
1 .5 V AC
2 .2 V AC
3 .5 V AC
4 .2 V AC



18 sweeps:

	average	low	high	sigma
rms(1)	457.7mV	456.5	459.2	0.7
rms(2)	95.9mV	95.5	96.2	0.2
rms(3)	512.2mV	511.4	513.7	0.7
rms(4)	132.2mV	131.8	132.6	0.2
phase(1,3)	88 °	83	94	2

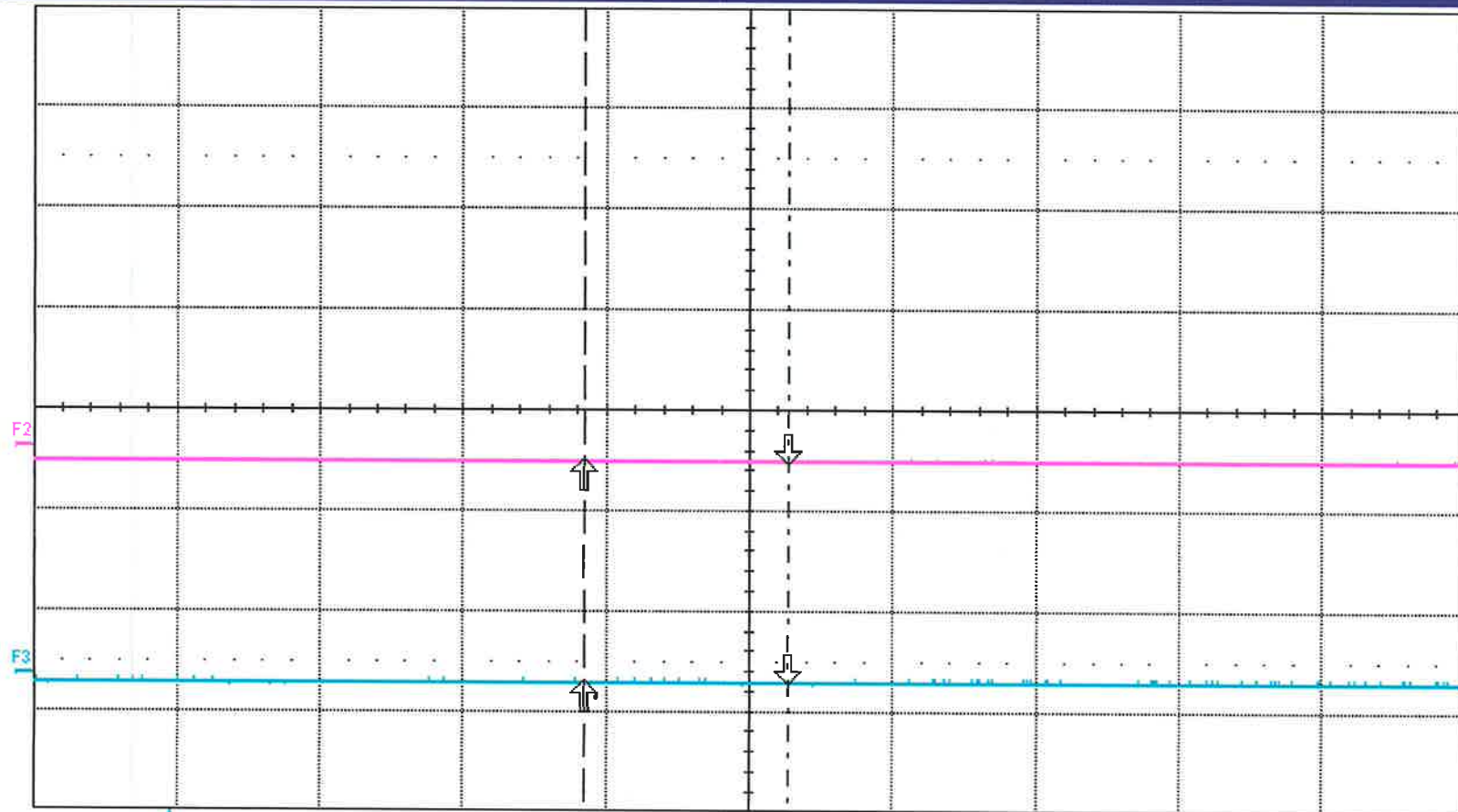


Ext DC 440mV 1MΩ

10 MS/s

☐ NORMAL

File Vertical Timebase Trigger Display Cursors Measure Math Analysis Utilities Help



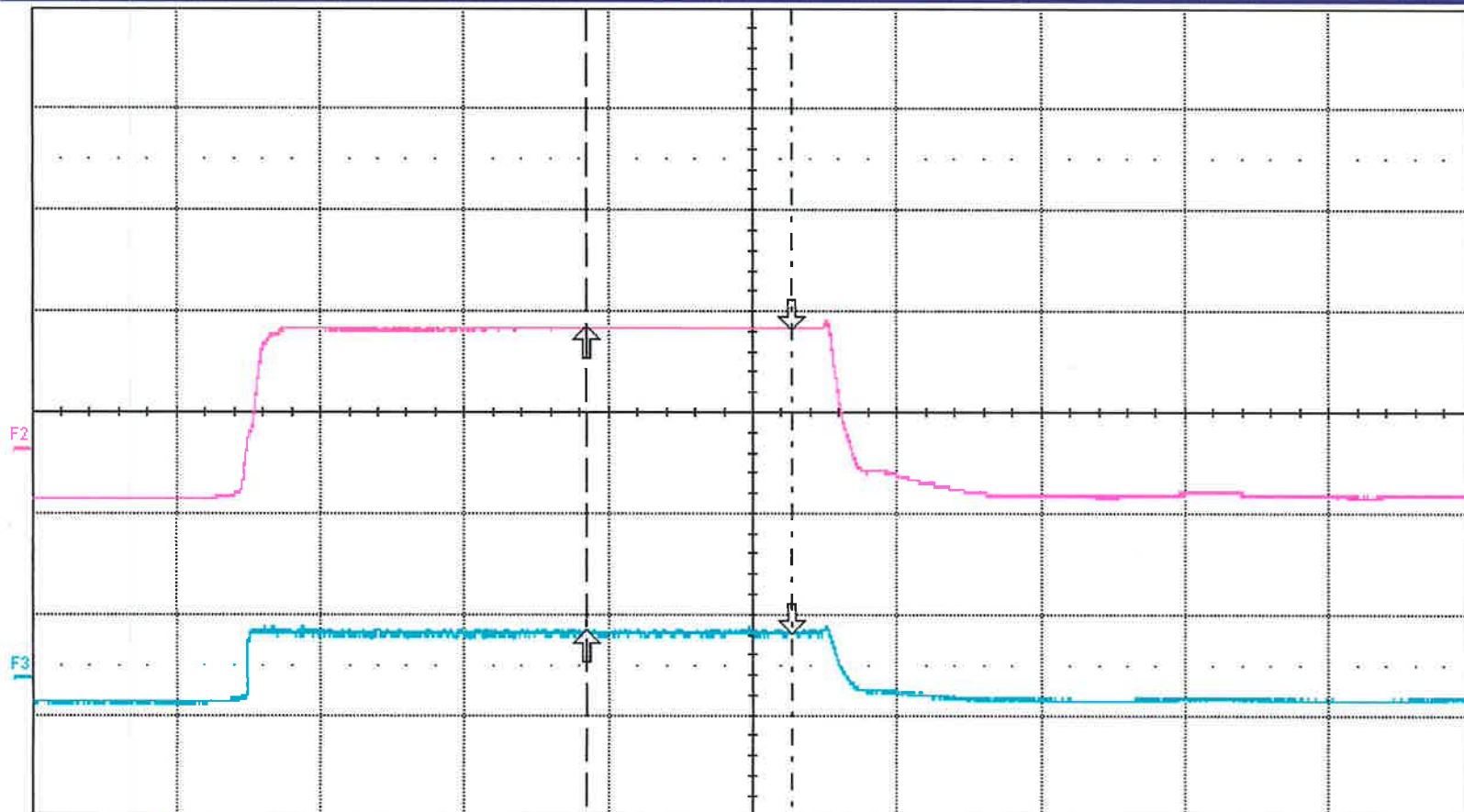
F2	<F3>	F3 script(C3,C2)
2.00/div	5.00/div	
1.00 ms/div	1.00 ms/div	
18 #		
L -295.037e-3	L -277.0e-3	
↑ -292.162e-3	↑ -301.7e-3	
Δy 2.876e-3	Δy -24.7e-3	

LeCroy

Tbase	-4.04 ms	Trigger	Ext/10 DC
	1.00 ms/div	Normal	130 mV
50.0 kS	5.0 MS/s	Edge	Positive
X1=	4.3268 ms	ΔX=	-1.4318 ms
X2=	2.8950 ms	1/ΔX=	-698.42 Hz

Processing ...

File Vertical Timebase Trigger Display Cursors Measure Math Analysis Utilities Help

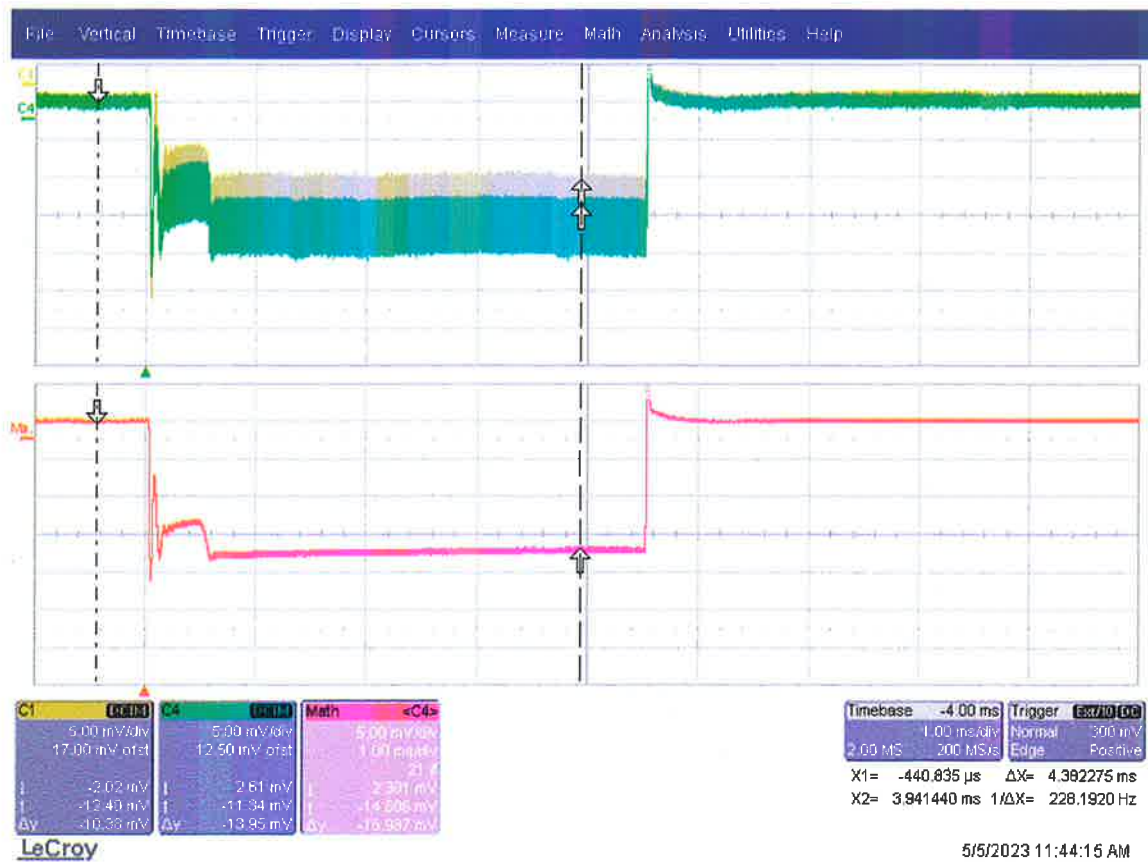


F2	<F3>	F3	script(C3,C2)
2.00/div	5.00/div		
1.00 ms/div	1.00 ms/div		
152 #			
↓ 2.413209	↓ 2.3202		
↑ 2.402856	↑ 2.4123		
Δy -10.352e-3	Δy 92.0e-3		

LeCroy

Tbase	-4.04 ms	Trigger	Ext/10 DC
	1.00 ms/div	Normal	130 mV
50.0 kS	5.0 MS/s	Edge	Positive
X1=	4.3268 ms	ΔX=	-1.4318 ms
X2=	2.8950 ms	1/ΔX=	-698.42 Hz

5/5/2023 11:44:11 AM



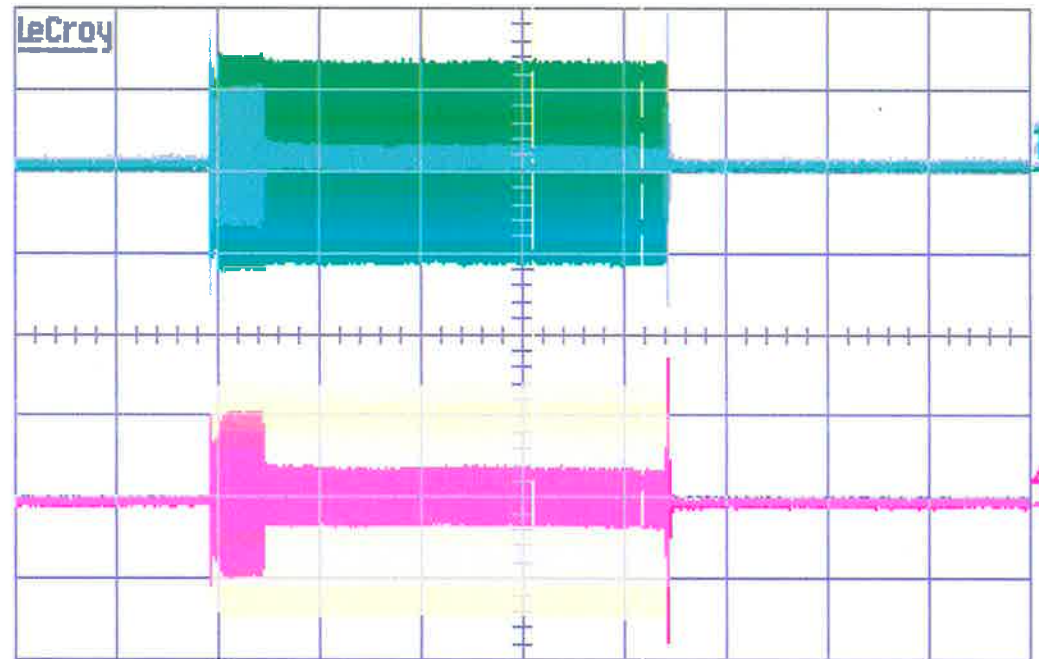
5-May-23
11:45:09

1
1 ms
0.50 V

2
1 ms
200 mV

4
1 ms
200 mV

1 ms
1 .5 V AC
2 .2 V AC
3 .5 V AC
4 .2 V AC



295 sweeps:

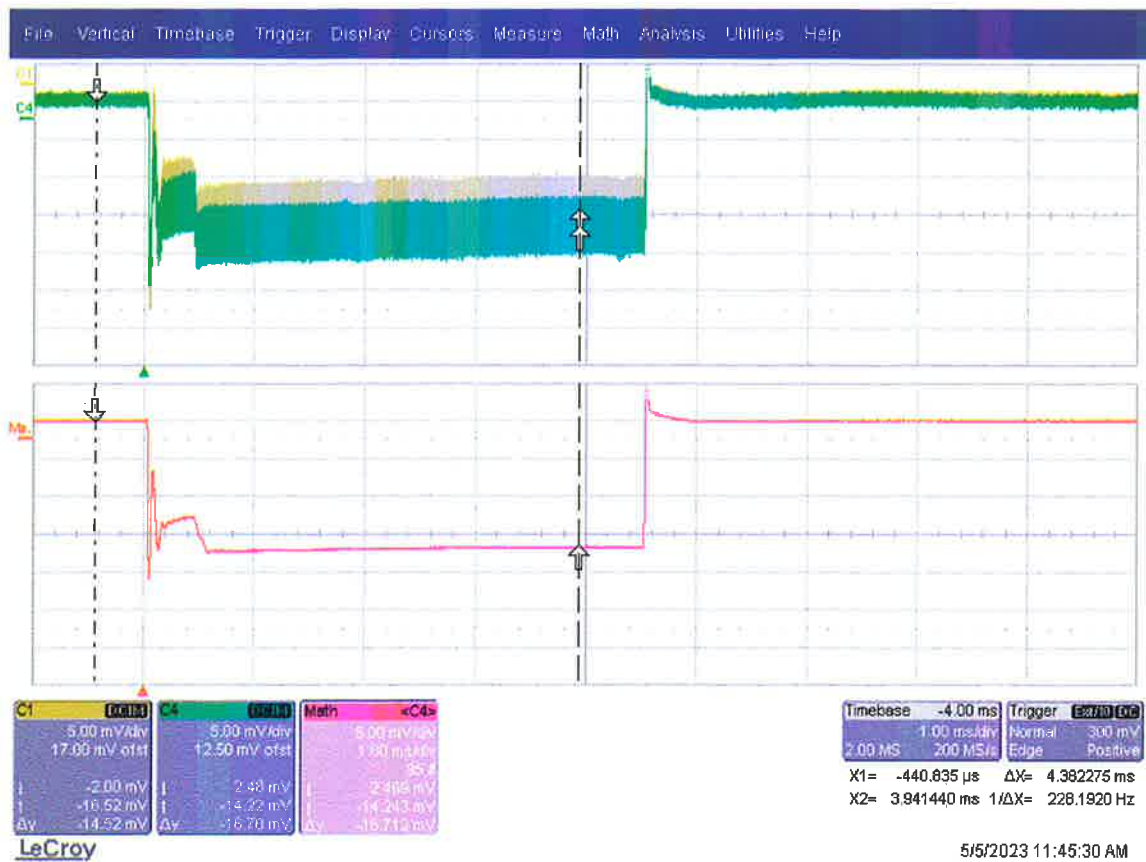
	average	low	high	sigma
rms(1)	432.7 mV	407.6	440.0	5.9
rms(2)	21.0 mV	16.5	95.6	13.4
rms(3)	481.9 mV	458.1	488.7	5.2
rms(4)	55.0 mV	50.2	124.0	12.0
phase(1,3)	82 °	75	94	2



Ext DC 440 mV 1 MΩ

10 MS/s

☐ NORMAL



5-May-23
11:46:25

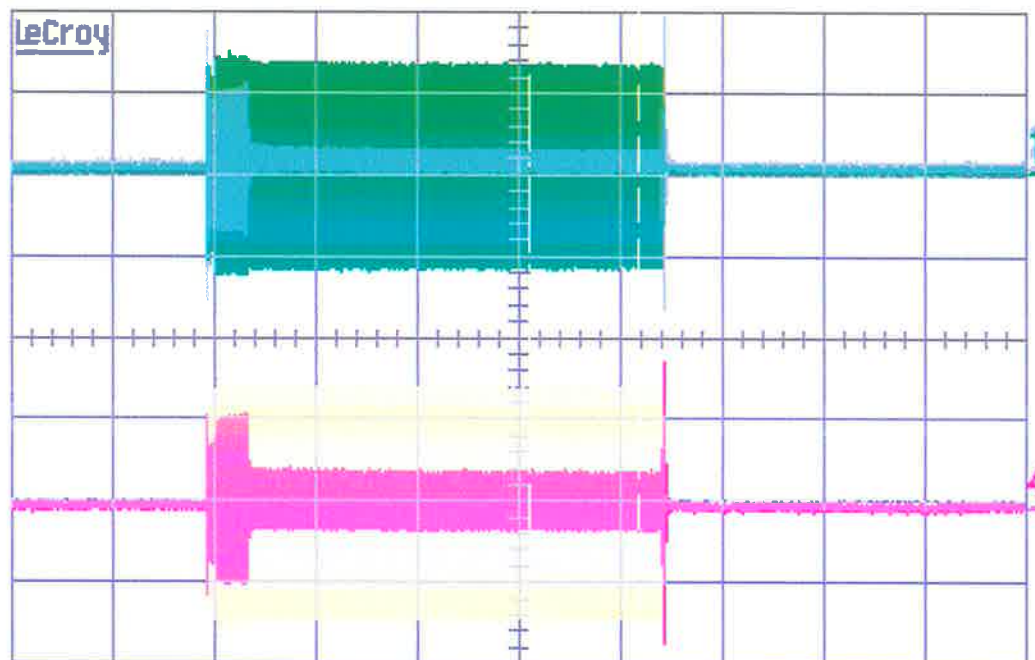
1
1 ms
0.50 V

2
1 ms
200 mV

4
1 ms
200 mV

1 ms

1 .5 V AC
2 .2 V AC
3 .5 V AC
4 .2 V AC



371 sweeps:

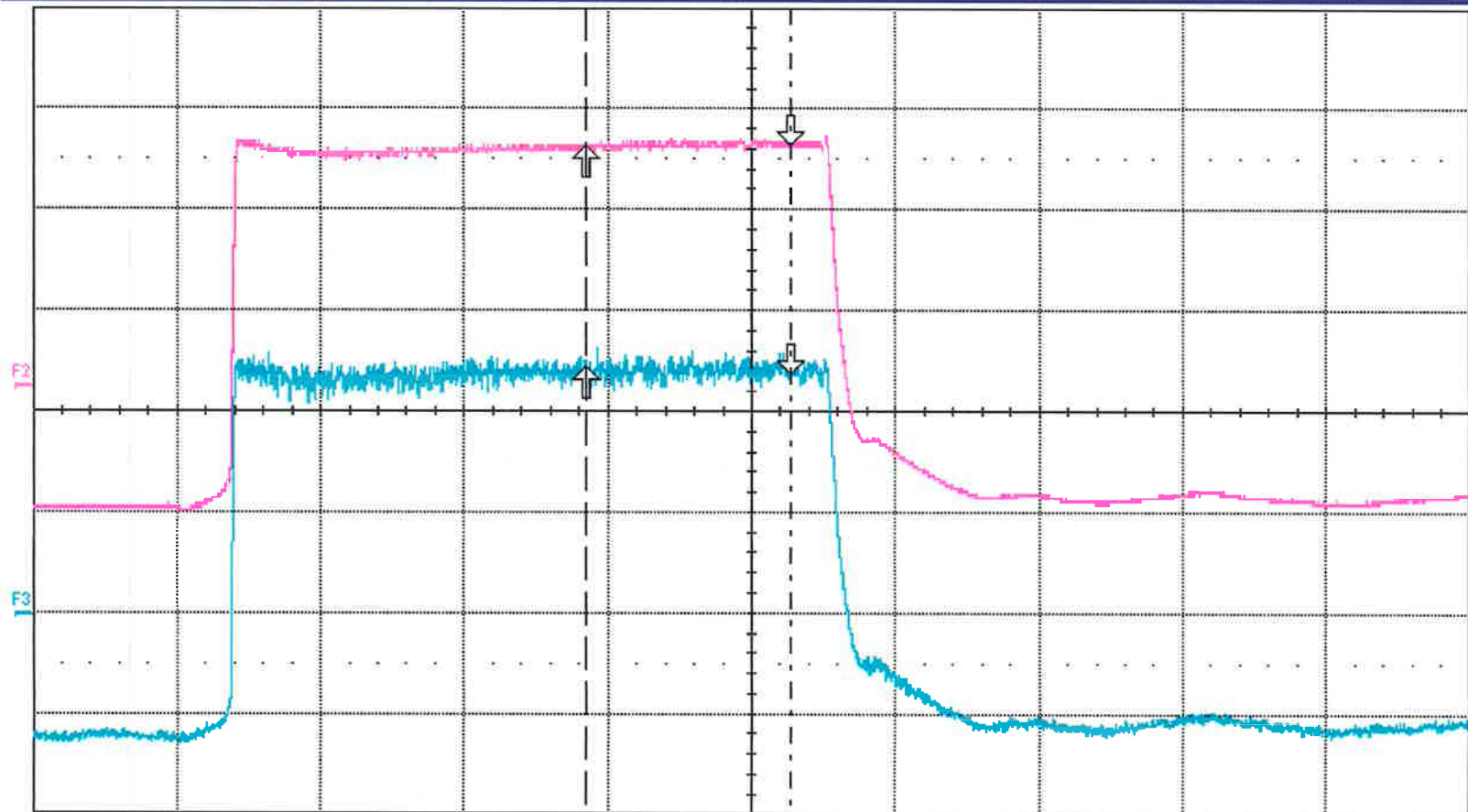
	average	low	high	sigma
rms(1)	433.2 mV	407.6	441.2	5.6
rms(2)	20.5 mV	16.5	95.6	12.0
rms(3)	482.0 mV	458.1	488.7	4.8
rms(4)	54.5 mV	50.2	124.0	10.7
phase(1,3)	81 °	75	94	2



Ext DC 440 mV 1 MΩ

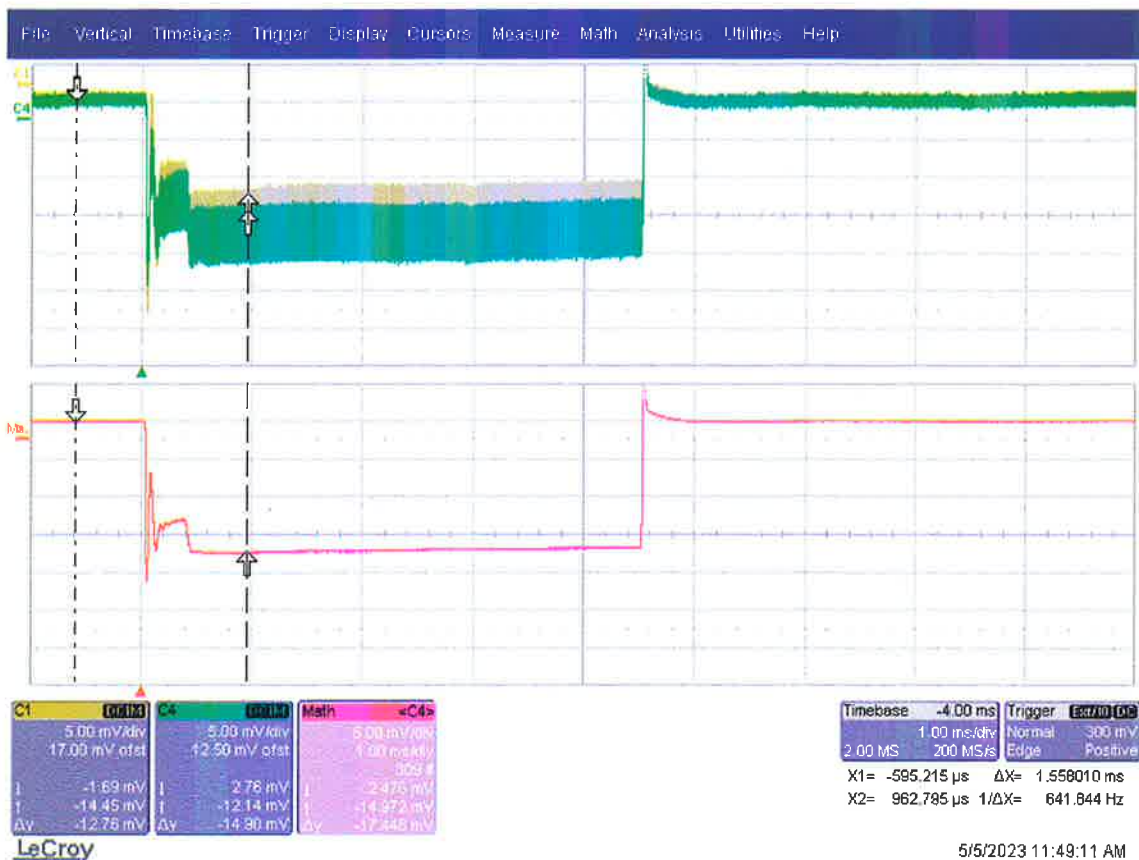
10 MS/s

☐ NORMAL

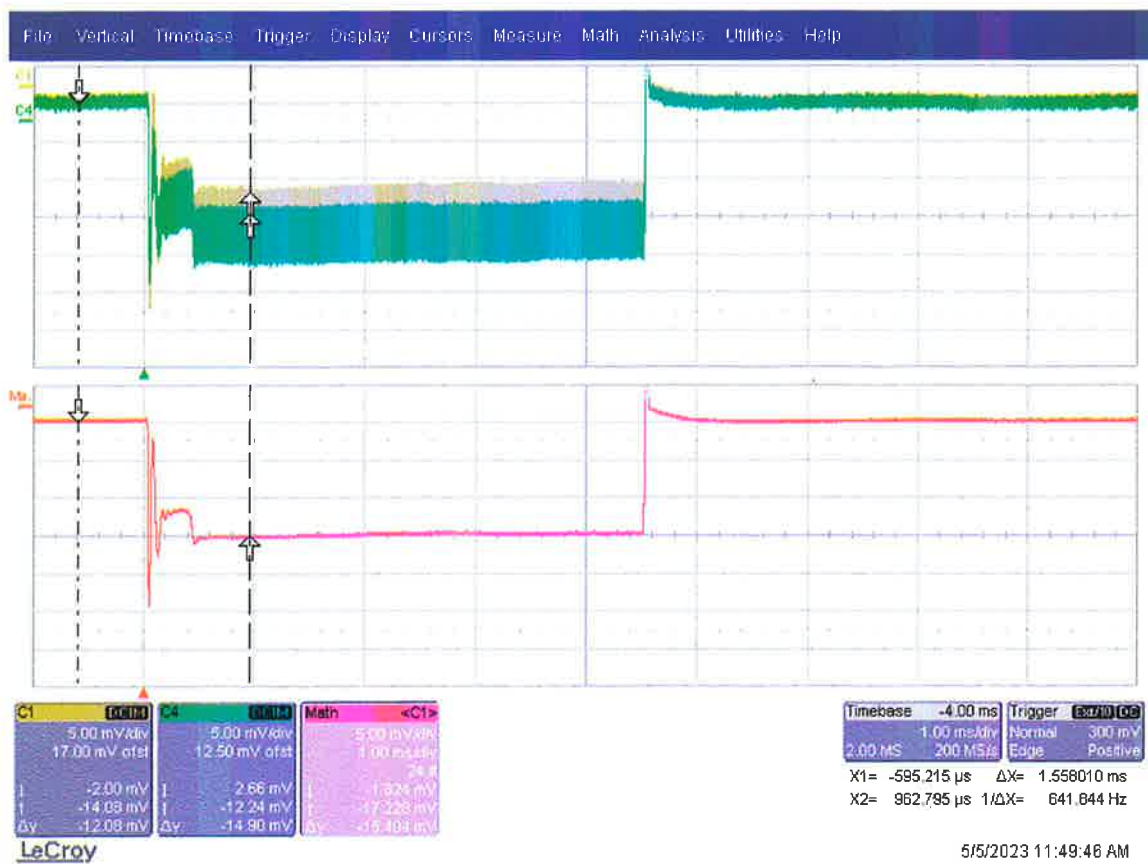


F2	<F3>	F3 script(C3,C2)
1.00/div	1.00/div	1.00/div
1.00 ms/div	1.00 ms/div	1.00 ms/div
29 #		
L 2.416659	L 2.4128	
H 2.382152	H 2.4502	
Δy -34.507e-3	Δy 37.4e-3	

Tbase	-4.04 ms	Trigger	Ext/10 DC
	1.00 ms/div	Normal	130 mV
50.0 kS	5.0 MS/s	Edge	Positive
X1=	4.3268 ms	$\Delta X=$	-1.4318 ms
X2=	2.8950 ms	1/ $\Delta X=$	-698.42 Hz



5/5/2023 11:49:11 AM



5/5/2023 11:49:48 AM

5-May-23
11:54:26

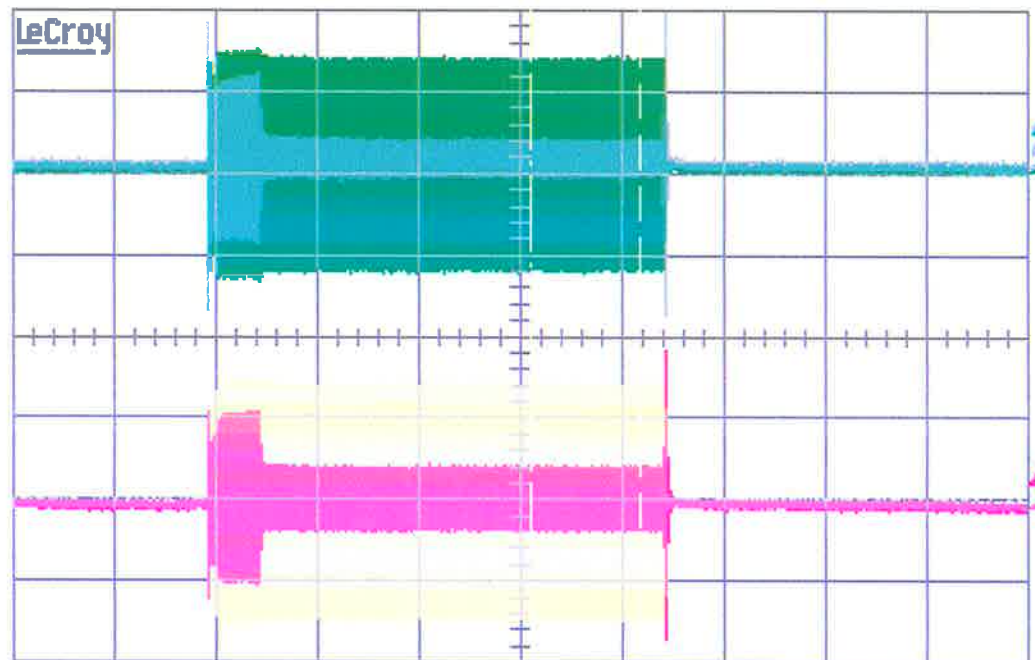
1
1 ms
0.50 V

2
1 ms
200mV

4
1 ms
200mV

1 ms

1 .5 V AC
2 .2 V AC
3 .5 V AC
4 .2 V AC



19 sweeps:

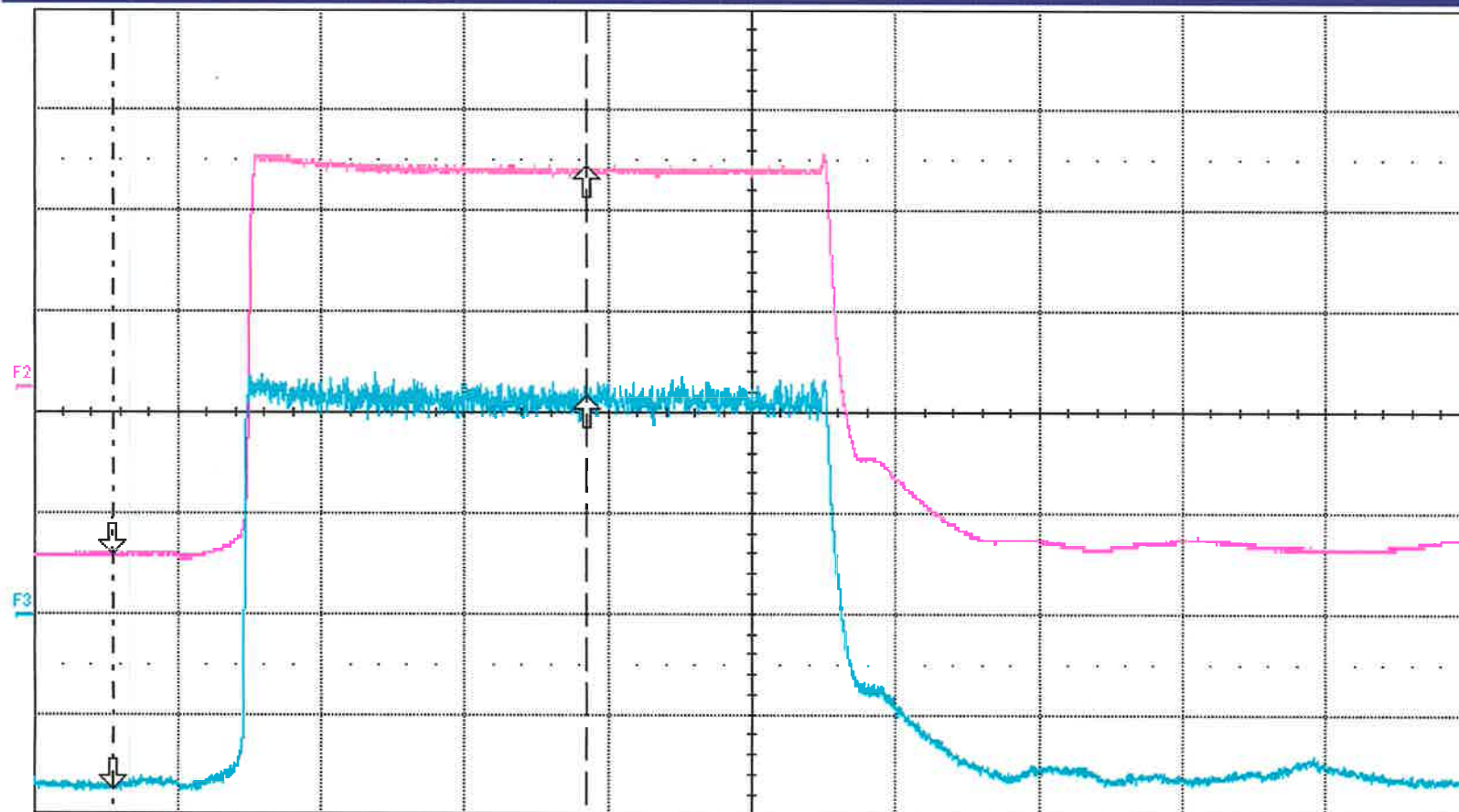
	average	low	high	sigma
rms(1)	455.5mV	454.2	457.3	1.0
rms(2)	25.8mV	25.3	26.5	0.4
rms(3)	494.0mV	492.6	495.3	0.9
rms(4)	54.9mV	54.5	55.4	0.3
phase(1,3)	80 °	76	86	2



Ext DC 440mV 1MΩ

10 MS/s

☐ NORMAL

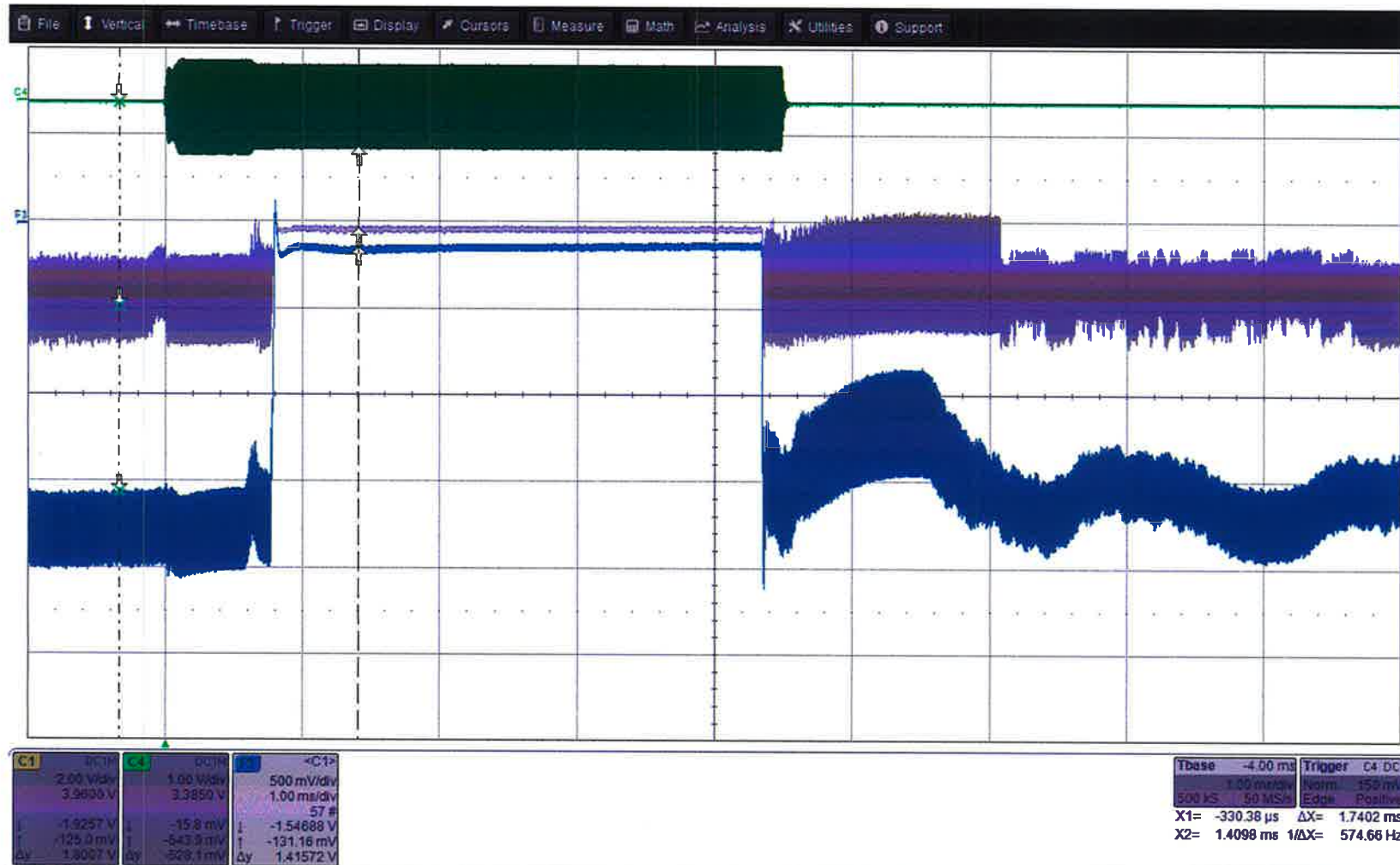


F2	<F3>	F3 script(C3,C2)
1.00/div	1.00/div	1.00/div
1.00 ms/div	1.00 ms/div	1.00 ms/div
30 #		
L -1.644272	L -1.7042	
↑ 2.192937	↑ 2.1678	
Δy 3.837209	Δy 3.8720	

Tbase	-4.04 ms	Trigger	Ext/10 DC
	1.00 ms/div	Normal	130 mV
50.0 kS	5.0 MS/s	Edge	Positive
X1=	-395.2 μs	ΔX=	3.2902 ms
X2=	2.8950 ms	1/ΔX=	303.93 Hz

LeCroy

5/5/2023 11:53:44 AM



Print Now

5/5/2023 11:56:45 AM

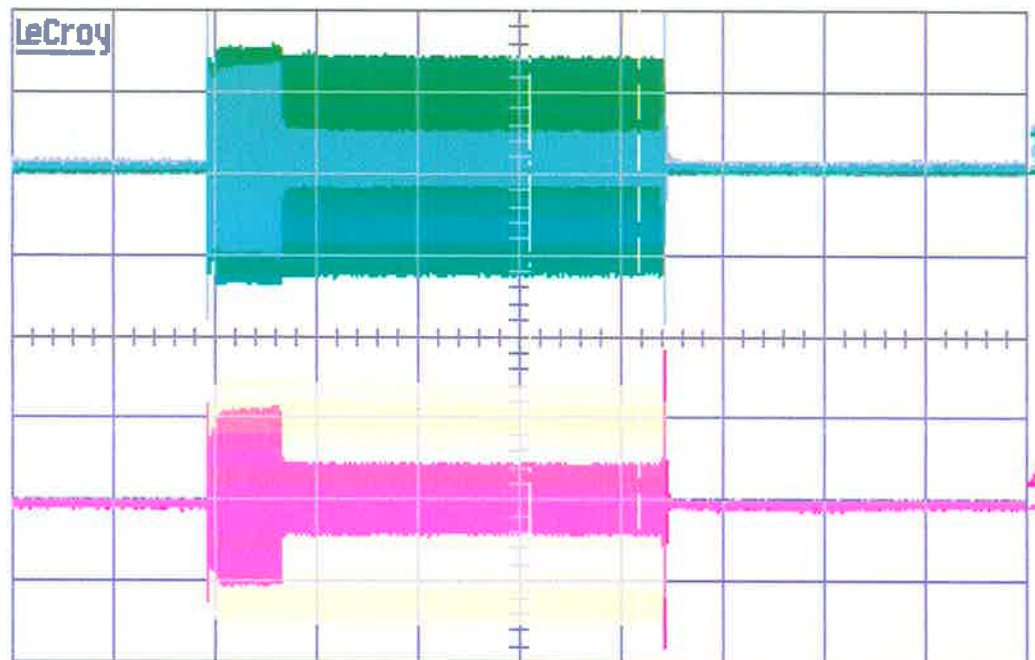
5-May-23
12:03:20

1
1 ms
0.50 V

2
1 ms
200mV

4
1 ms
200mV

1 ms
1 .5 V AC
2 .2 V AC
3 .5 V AC
4 .2 V AC



31 sweeps:

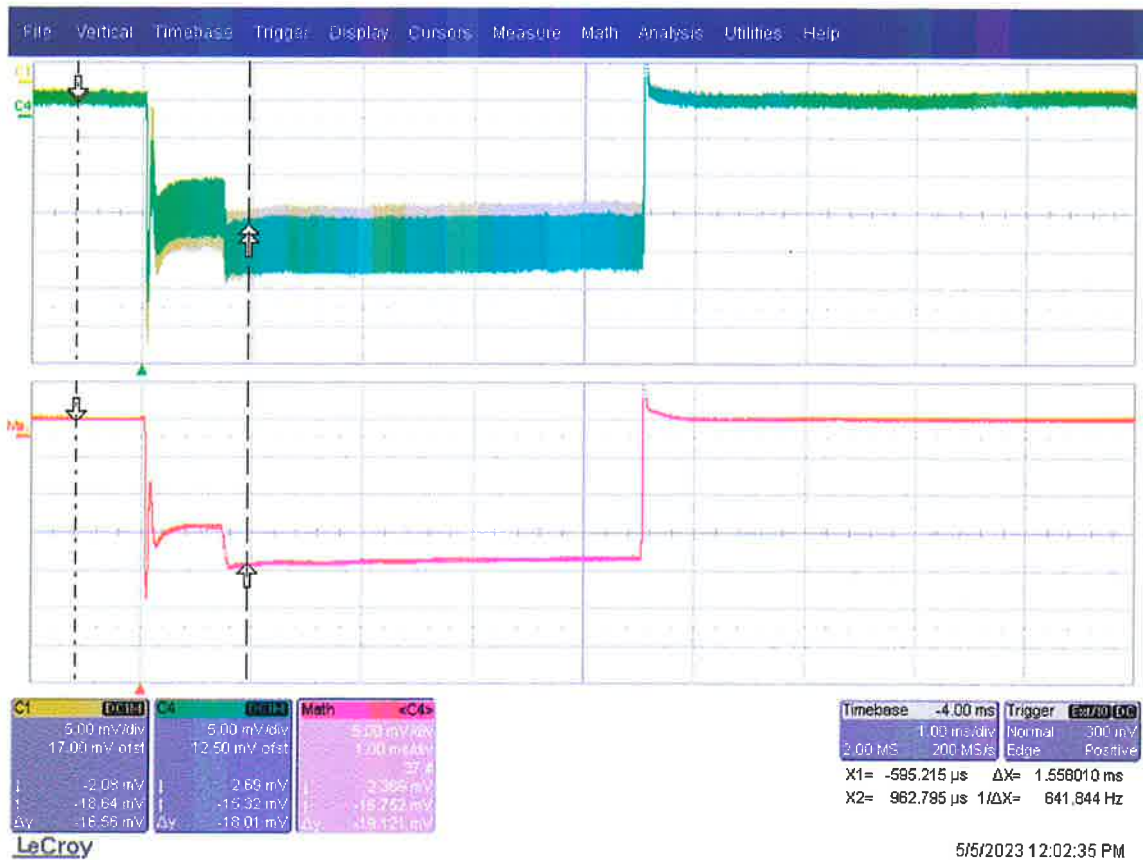
	average	low	high	sigma
rms(1)	465.5mV	464.3	468.2	1.2
rms(2)	39.5mV	39.0	39.8	0.3
rms(3)	497.8mV	496.8	500.2	1.0
rms(4)	57.7mV	57.4	57.9	0.1
phase(1,3)	80 °	76	85	2

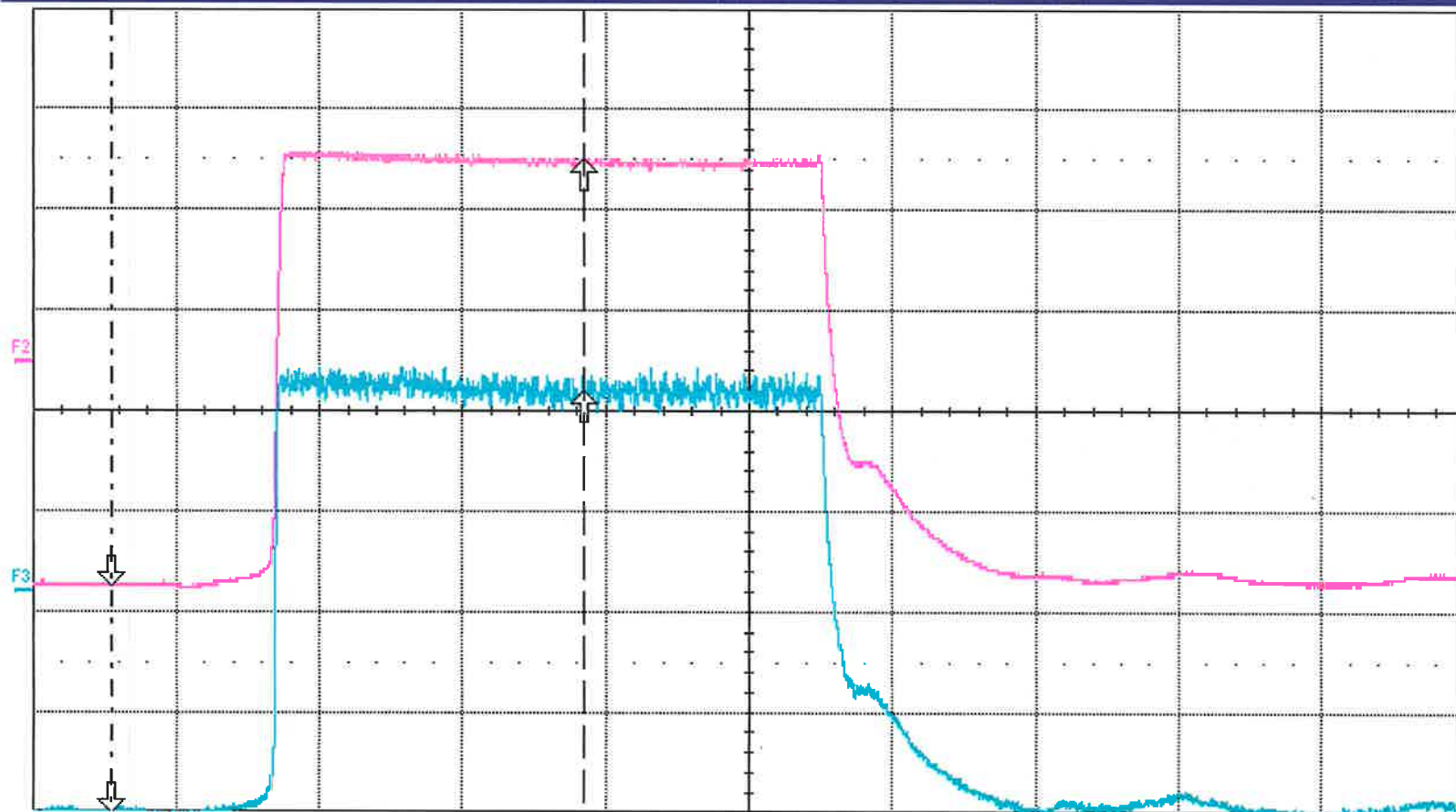


Ext DC 440mV 1MΩ

10 MS/s

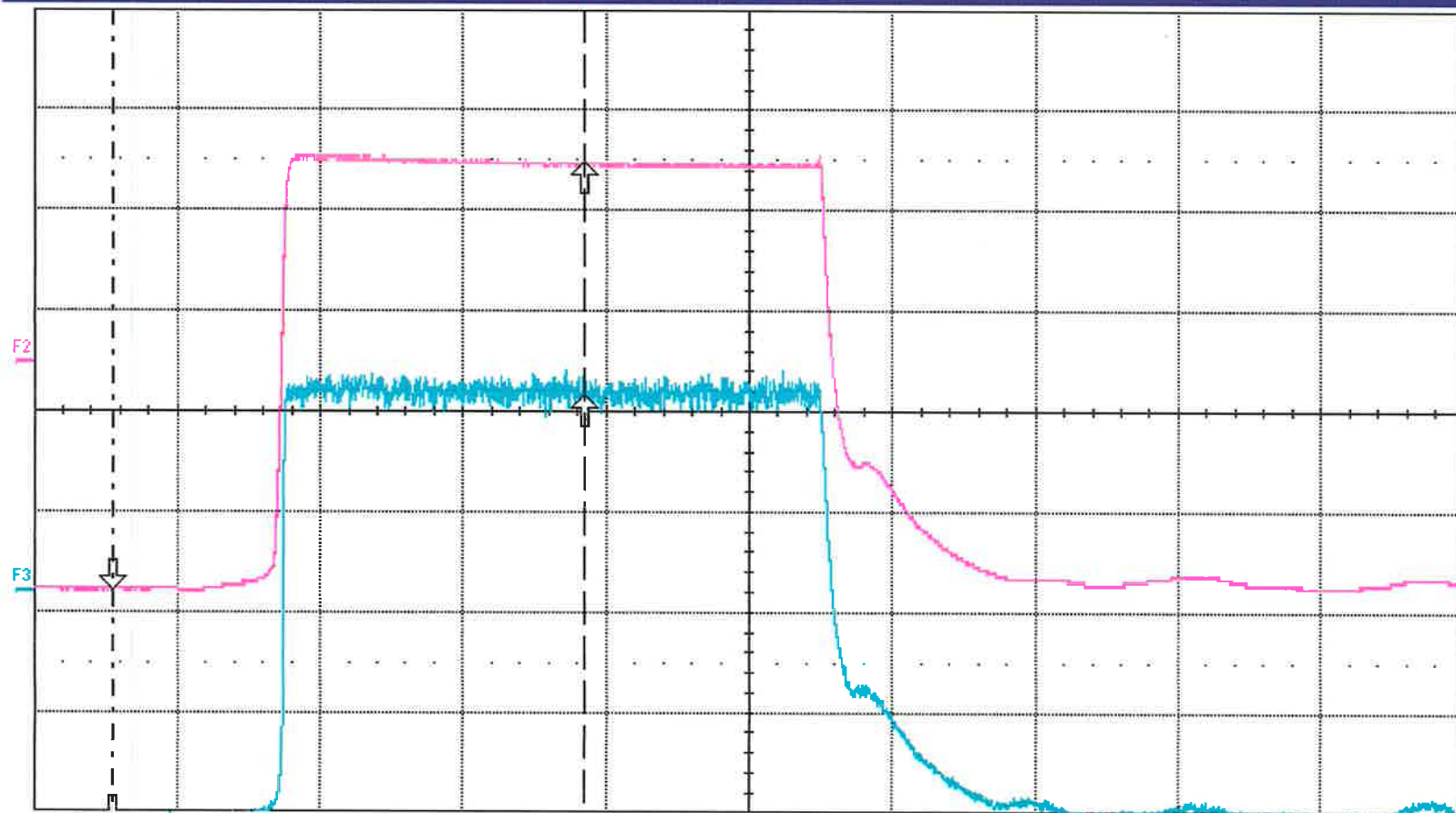
☐ NORMAL





F2	<F3>	F3 script(C3,C2)
1.00/div	1.00/div	1.00/div
1.00 ms/div	1.00 ms/div	1.00 ms/div
23 #		
l -2.195238	l -2.2075	
↑ 2.008323	↑ 1.9791	
Δy 4.203561	Δy 4.1866	

Tbase	-4.04 ms	Trigger	Ext/10 DC
	1.00 ms/div	Normal	.130 mV
50.0 kS	5.0 MS/s	Edge	Positive
X1=	-395.2 μs	ΔX=	3.2902 ms
X2=	2.8950 ms	1/ΔX=	303.93 Hz



F2	<F3>	F3 script(C3,C2)
1.00/div	1.00/div	1.00/div
1.00 ms/div	1.00 ms/div	1.00 ms/div
102 #		
↓ -2.242398	↓ -2.3421	
↑ 1.988194	↑ 1.9365	
Δy 4.230592	Δy 4.2787	

Tbase	-4.04 ms	Trigger Ext/10 DC
	1.00 ms/div	Normal 130 mV
50.0 kS	5.0 MS/s	Edge Positive
X1=	-395.2 μs	ΔX= 3.2902 ms
X2=	2.8950 ms	1/ΔX= 303.93 Hz

5-May-23
12:04:59

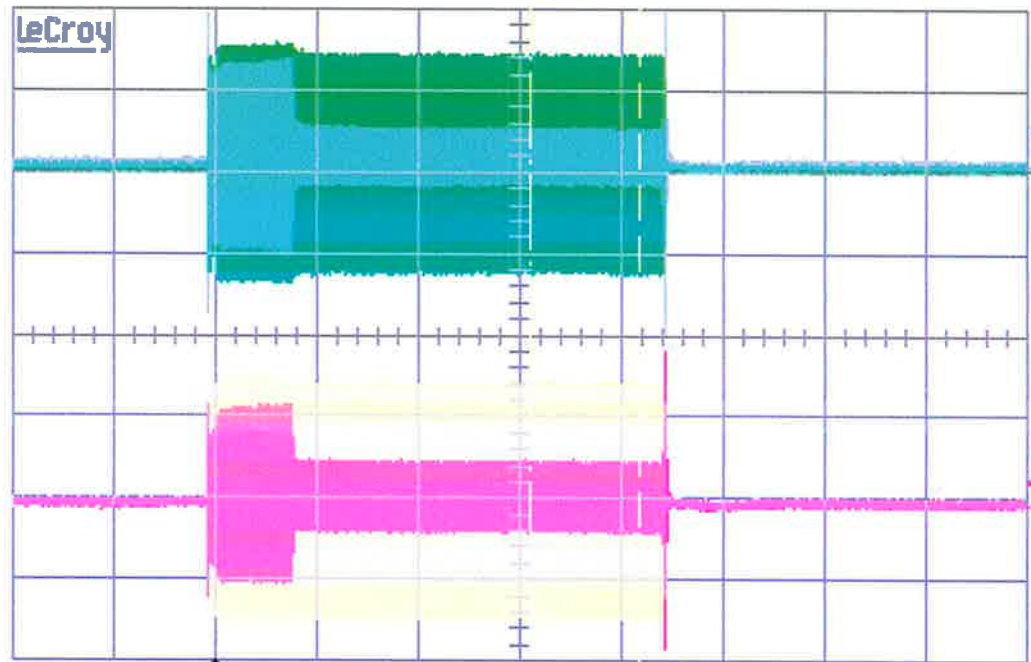
1
1 ms
0.50 V

2
1 ms
200 mV

4
1 ms
200 mV

1 ms

1 .5 V AC
2 .2 V AC
3 .5 V AC
4 .2 V AC



130 sweeps:

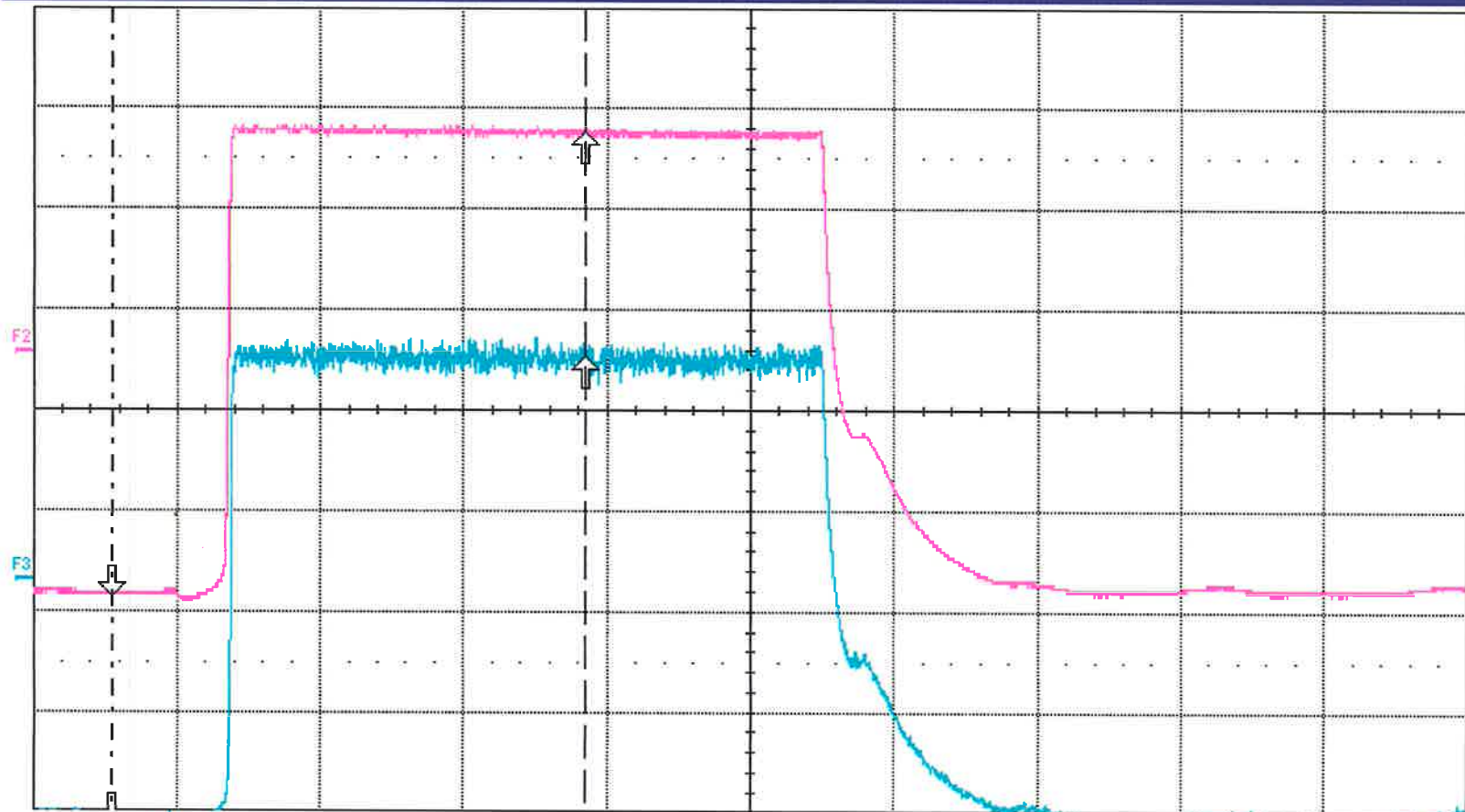
	average	low	high	sigma
rms(1)	468.6mV	464.3	471.0	1.9
rms(2)	40.4mV	39.0	42.3	0.8
rms(3)	499.9mV	496.8	501.8	1.5
rms(4)	57.9mV	57.4	58.9	0.3
phase(1,3)	80 °	75	87	2



Ext DC 440mV 1MΩ

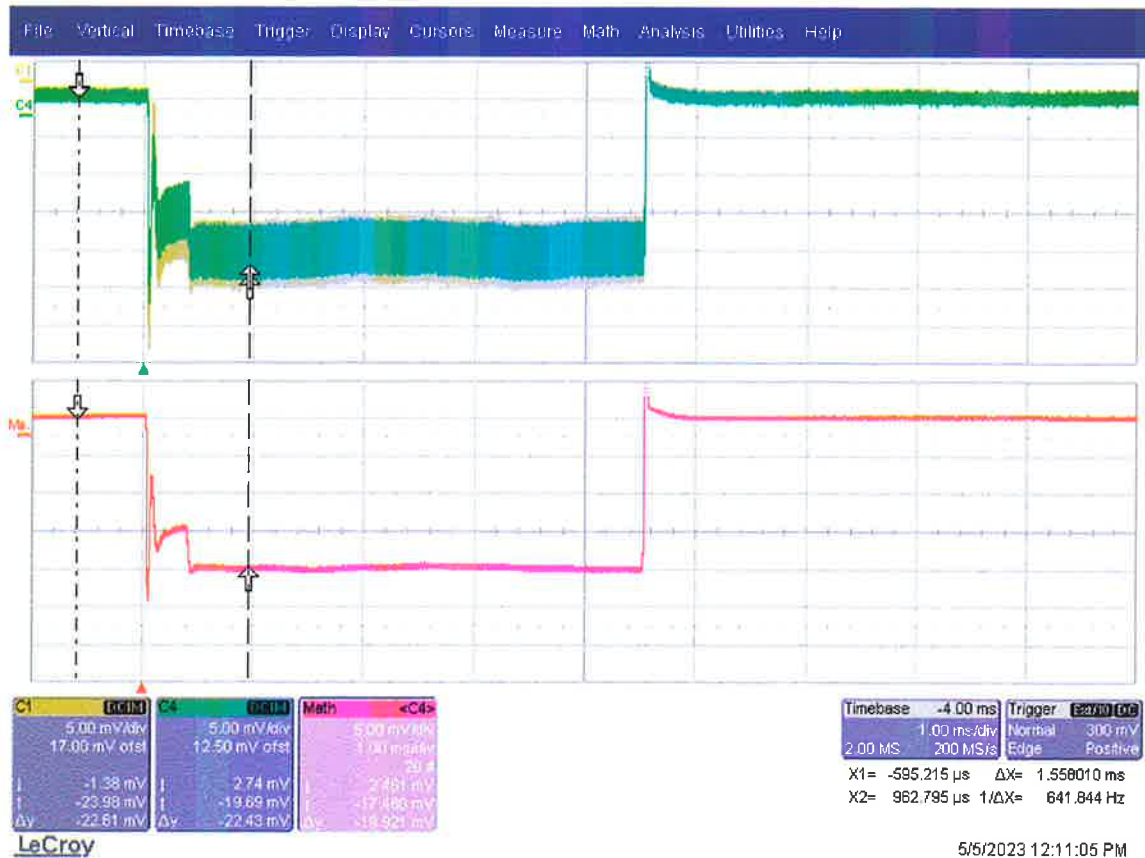
10 MS/s

☐ NORMAL



F2	<F3>	F3 script(C3,C2)
1.00/div	1.00/div	1.00/div
1.00 ms/div	1.00 ms/div	1.00 ms/div
20 #		
L -2.409758	L -2.4267	
↑ 2.173958	↑ 2.2092	
Δy 4.583716	Δy 4.6359	

Tbase	-4.04 ms	Trigger	Ext10 DC
	1.00 ms/div	Normal	130 mV
50.0 kS	5.0 MS/s	Edge	Positive
X1=	-395.2 μs	ΔX=	3.2902 ms
X2=	2.8950 ms	1/ΔX=	303.93 Hz



5/5/2023 12:11:05 PM

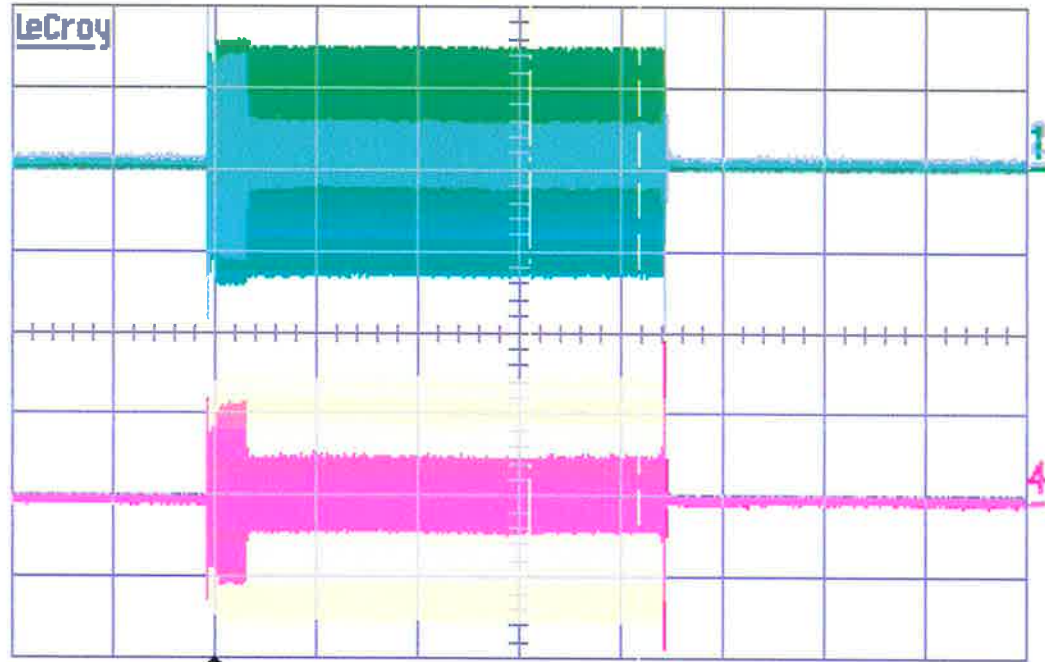
5-May-23
12:11:58

1
1 ms
0.50 V

2
1 ms
200 mV

4
1 ms
200 mV

1 ms
1 .5 V AC
2 .2 V AC
3 .5 V AC
4 .2 V AC



21 sweeps:

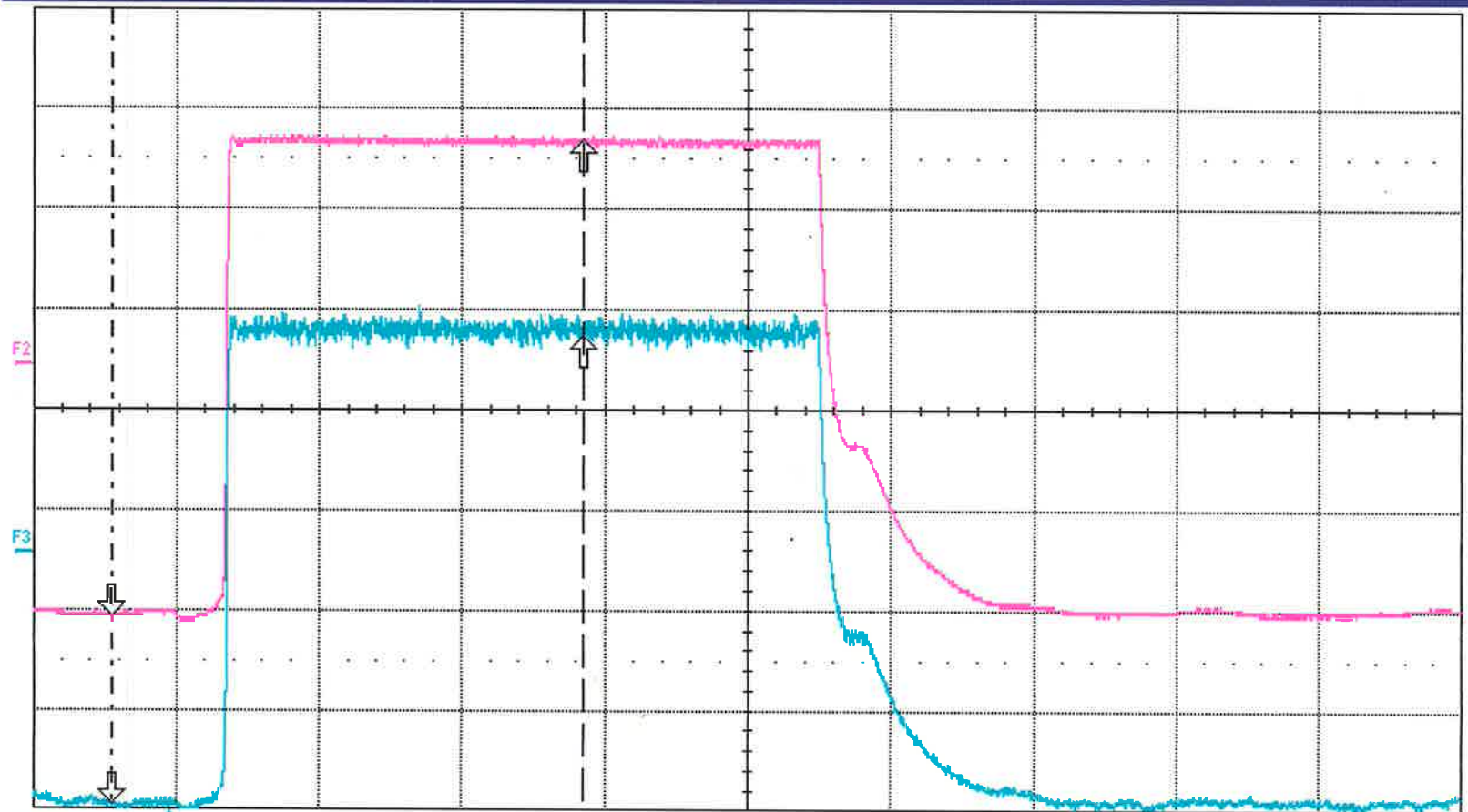
	average	low	high	sigma
rms(1)	487.2mV	486.3	488.2	0.6
rms(2)	49.2mV	49.0	49.7	0.2
rms(3)	511.9mV	510.9	512.6	0.5
rms(4)	61.5mV	61.3	61.9	0.1
phase(1,3)	79 °	75	84	2



Ext DC 440mV 1MΩ

10 MS/s

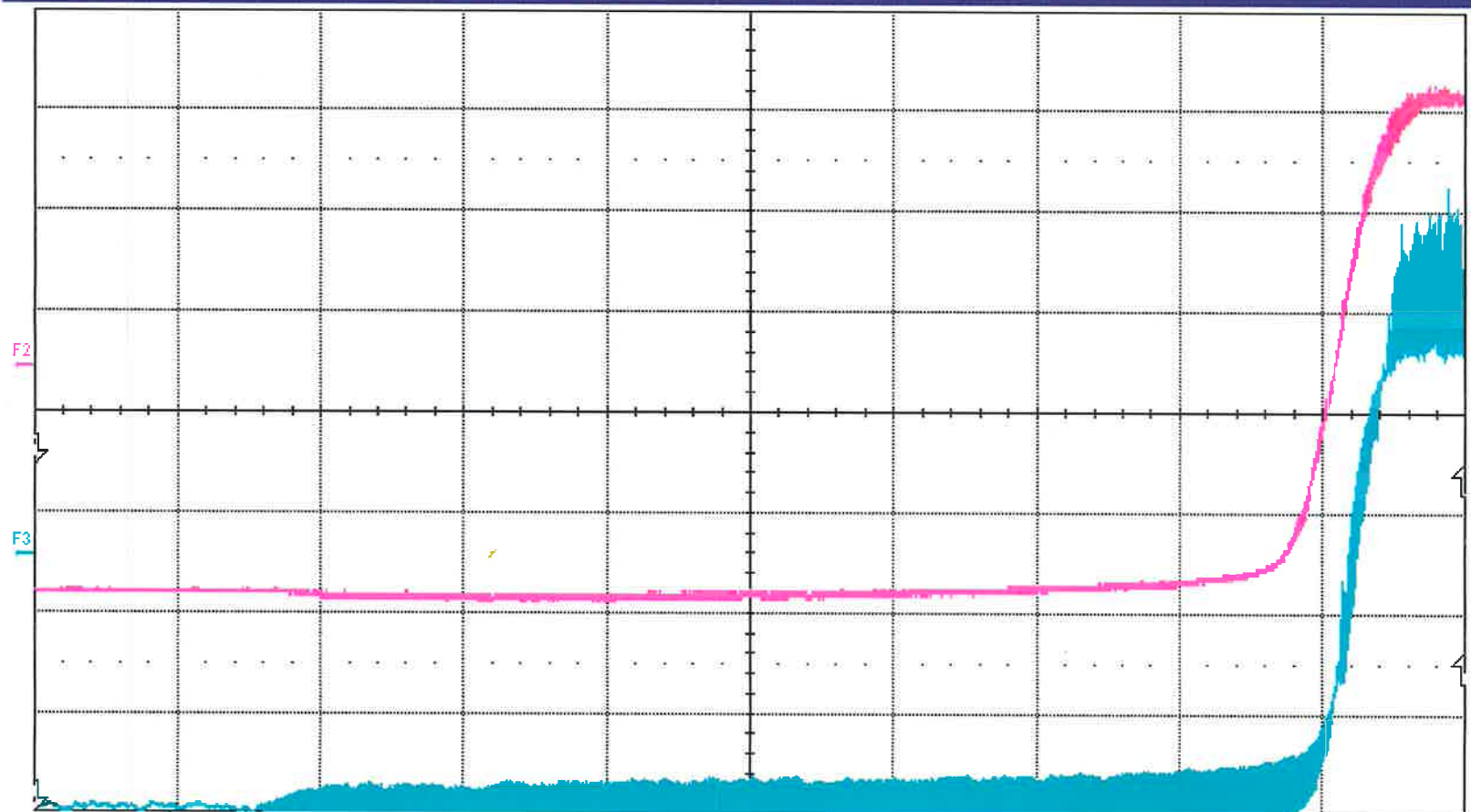
☐ NORMAL



F2	<F3>	F3 script(C3,C2)
1.00/div	1.00/div	1.00/div
1.00 ms/div	1.00 ms/div	1.00 ms/div
16 #		
L -2.482798	L -2.4928	
F 2.225718	F 2.1511	
Δy 4.708517	Δy 4.6439	

Tbase -4.04 ms	Trigger Ext/10 DC
1.00 ms/div	Normal 130 mV
50.0 kS	Edge Positive
X1= -395.2 μs	ΔX= 3.2902 ms
X2= 2.8950 ms	1/ΔX= 303.93 Hz

File Vertical Timebase Trigger Display Cursors Measure Math Analysis Utilities Help

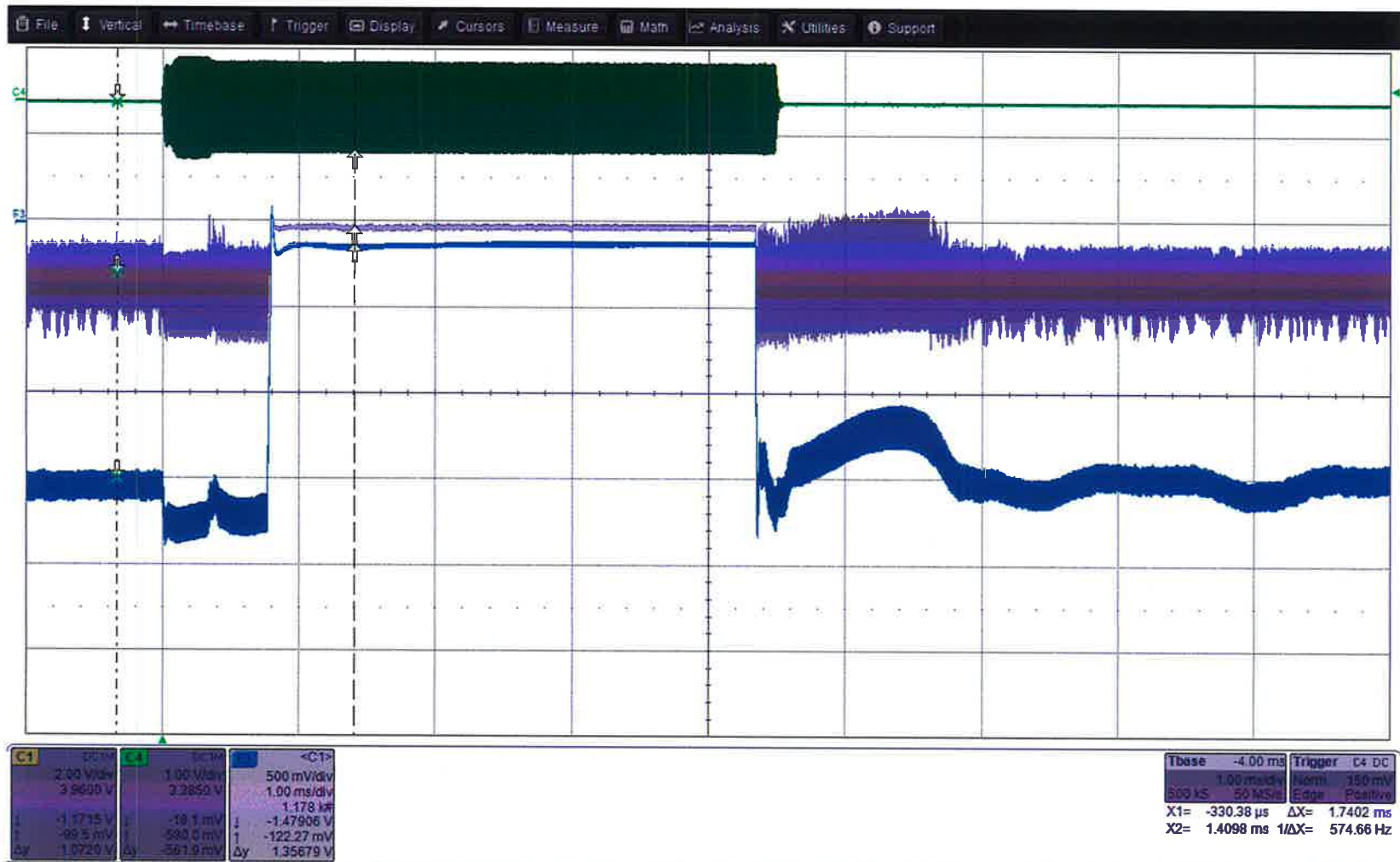


F2	<F3>	F3 script(C3,C2)
1.00/div	1.00/div	1.00/div
50.0 μs/div	50.0 μs/div	50.0 μs/div
12 #		
↓	---	---
↑	---	---
Δy	---	---

LeCroy

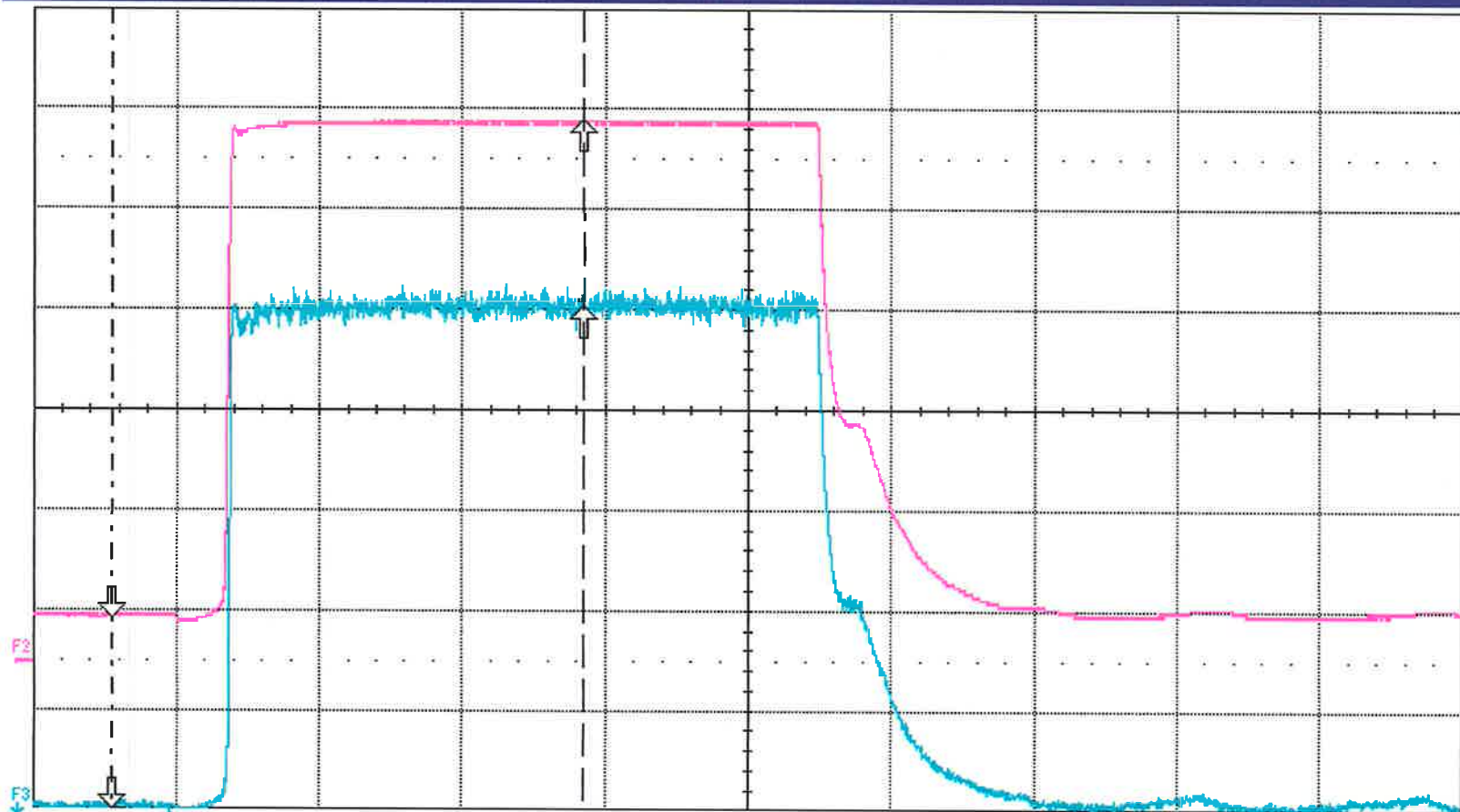
Timebase	-202 μs	Trigger	Ext 10 DC
50.0 μs/div		Normal	130 mV
50.0 kS	100 MS/s	Edge	Positive
X1=	-47.50 μs	ΔX=	499.99 μs
X2=	452.49 μs	1/ΔX=	2.00004 kHz

5/5/2023 12:14:18 PM



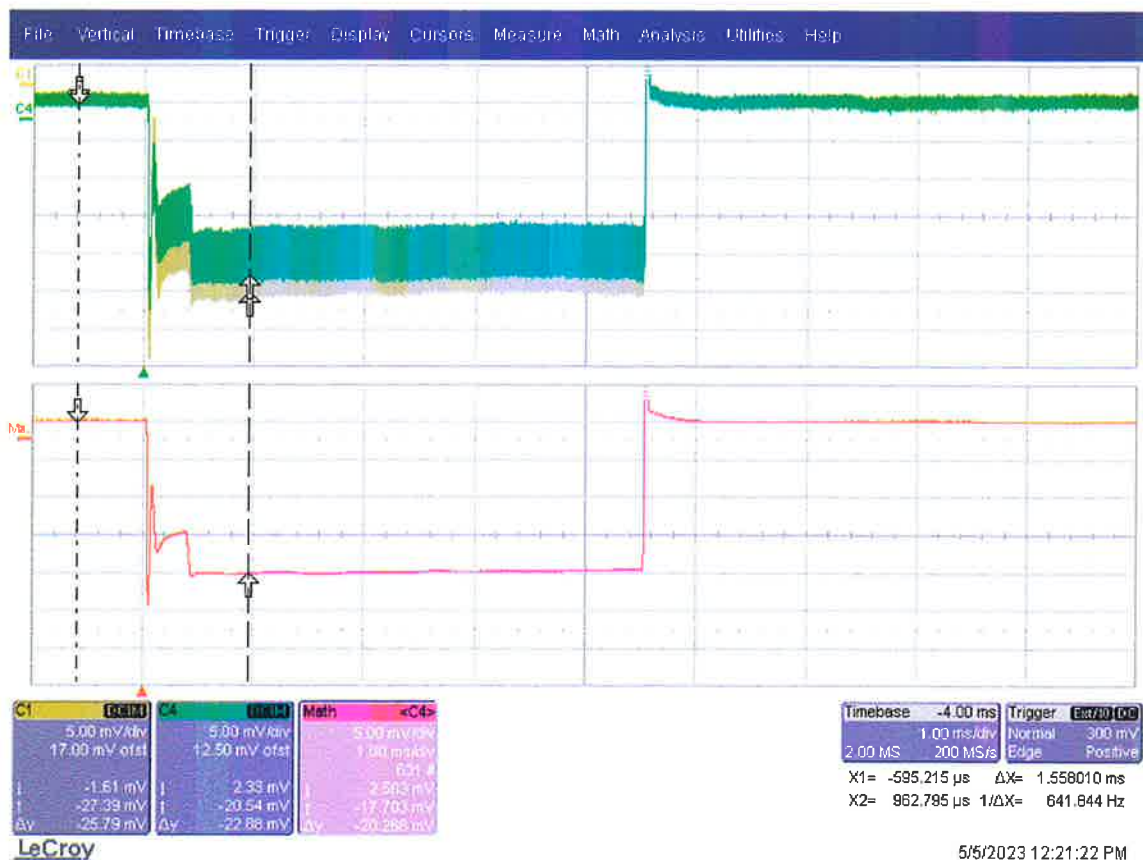
Print Now

5/5/2023 12:15:25 PM



F2	<F3>	F3 script(C3,C2)
1.00/div	1.00/div	1.00/div
1.00 ms/div	1.00 ms/div	1.00 ms/div
221 #		
L 477.351e-3	L 443.8e-3	
f 5.403264	f 5.4398	
Δy 4.925913	Δy 4.9960	

Tbase	-4.04 ms	Trigger Ext10 DC
1.00 ms/div		Normal 130 mV
50.0 kS	5.0 MS/s	Edge Positive
X1= -395.2 μs	ΔX= 3.2902 ms	
X2= 2.8950 ms	1/ΔX= 303.93 Hz	



5/5/2023 12:21:22 PM

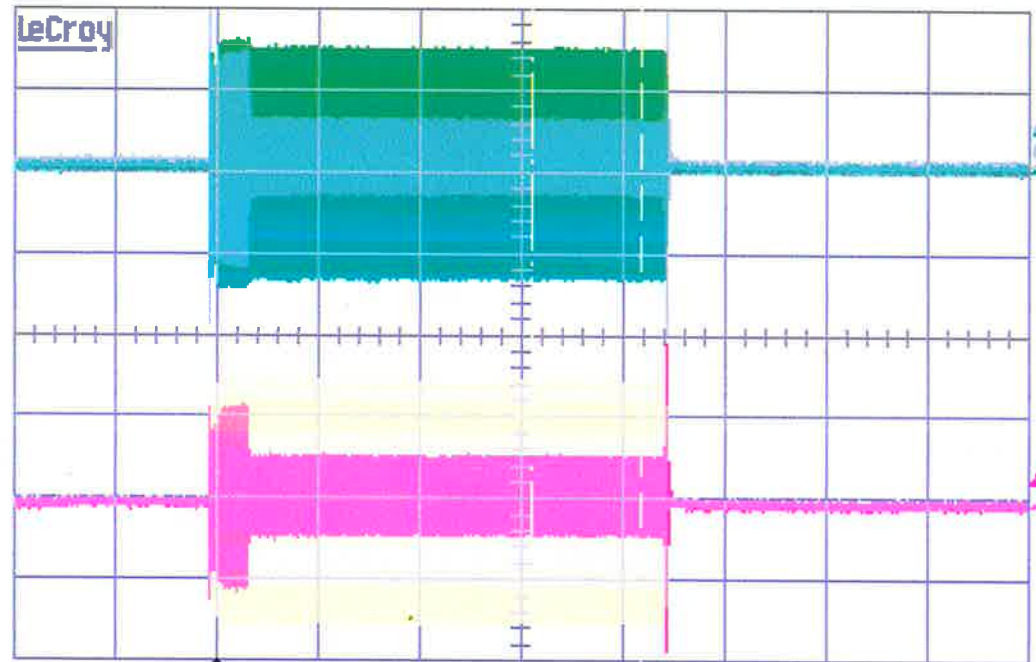
5-May-23
12:22:16

1
1 ms
0.50 V

2
1 ms
200 mV

4
1 ms
200 mV

1 ms
1 .5 V AC
2 .2 V AC
3 .5 V AC
4 .2 V AC



639 sweeps:

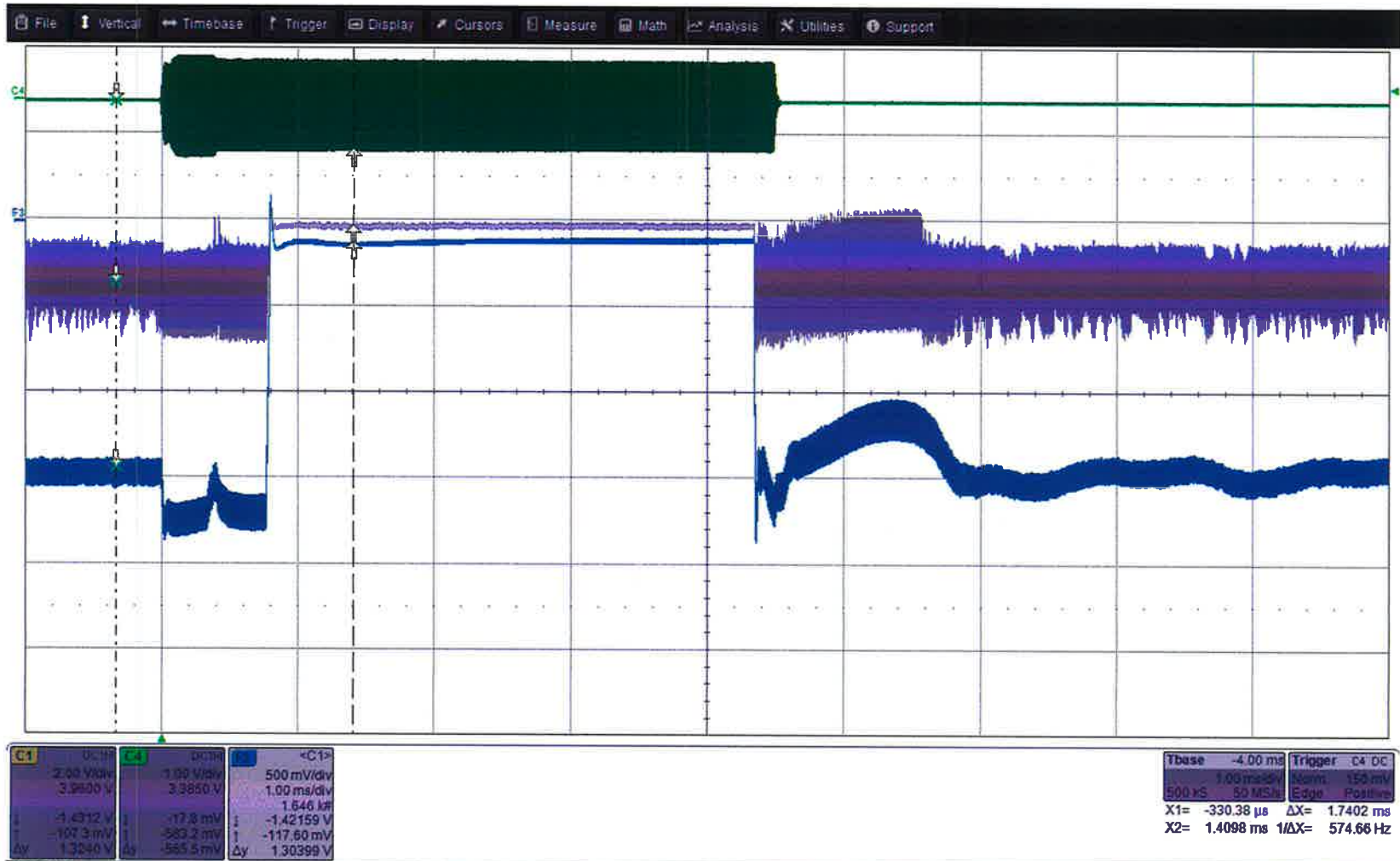
	average	low	high	sigma
rms(1)	488.5mV	483.9	492.4	2.2
rms(2)	53.8mV	49.0	58.2	2.5
rms(3)	510.0mV	505.7	513.4	1.8
rms(4)	62.7mV	61.3	64.3	0.7
phase(1,3)	79 °	74	86	2



Ext DC 440mV 1MΩ

10 MS/s

☐ NORMAL



Print Now

5/5/2023 12:23:14 PM

5-May-23
12:24:44

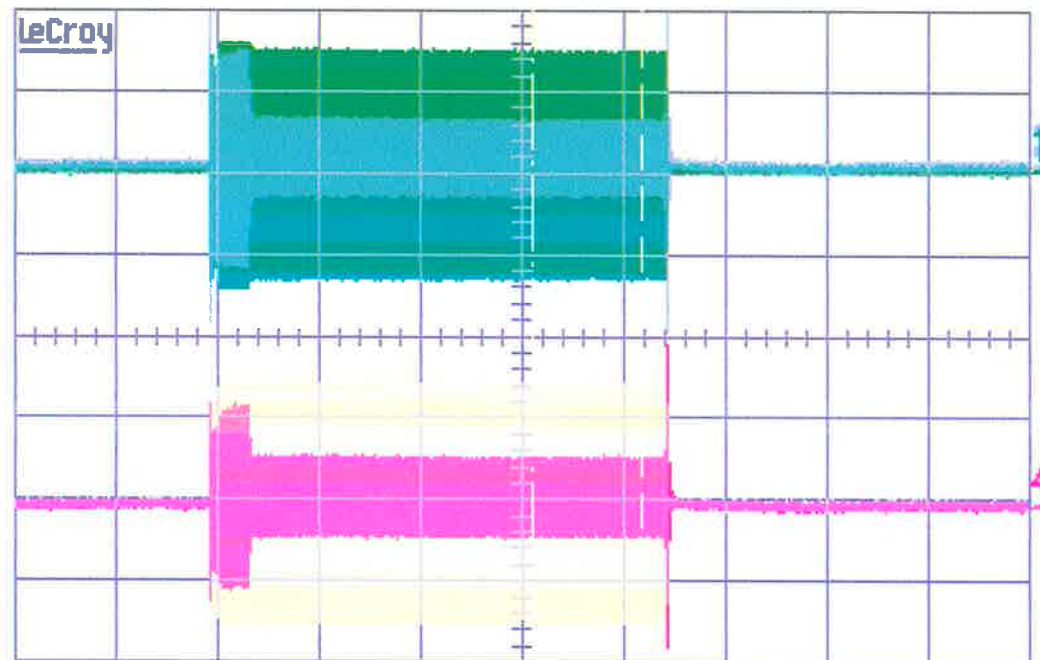
1
1 ms
0.50 V

2
1 ms
200 mV

4
1 ms
200 mV

1 ms

1 .5 V AC
2 .2 V AC
3 .5 V AC
4 .2 V AC



787 sweeps:

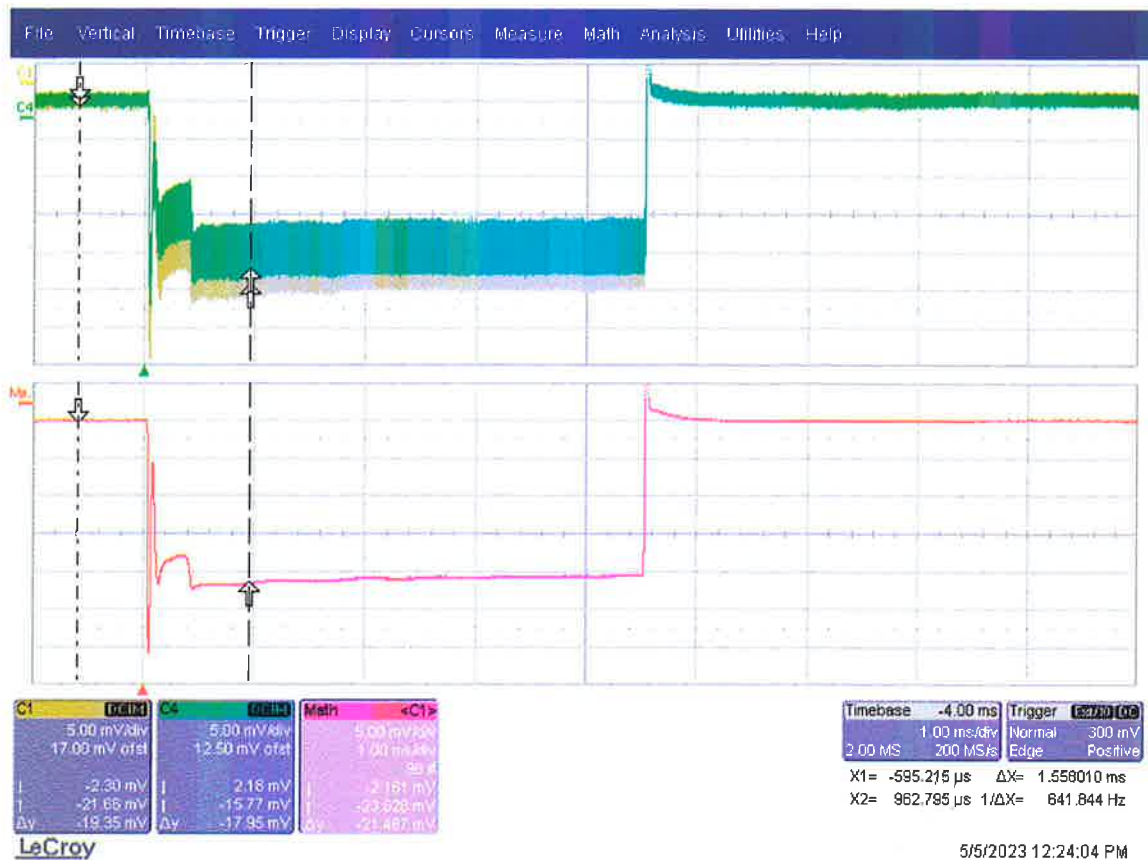
	average	low	high	sigma
rms(1)	488.8mV	483.9	492.9	2.3
rms(2)	54.7mV	49.0	59.3	2.9
rms(3)	509.6mV	504.9	513.4	1.9
rms(4)	62.9mV	61.3	64.7	0.8
phase(1,3)	79 °	74	86	2



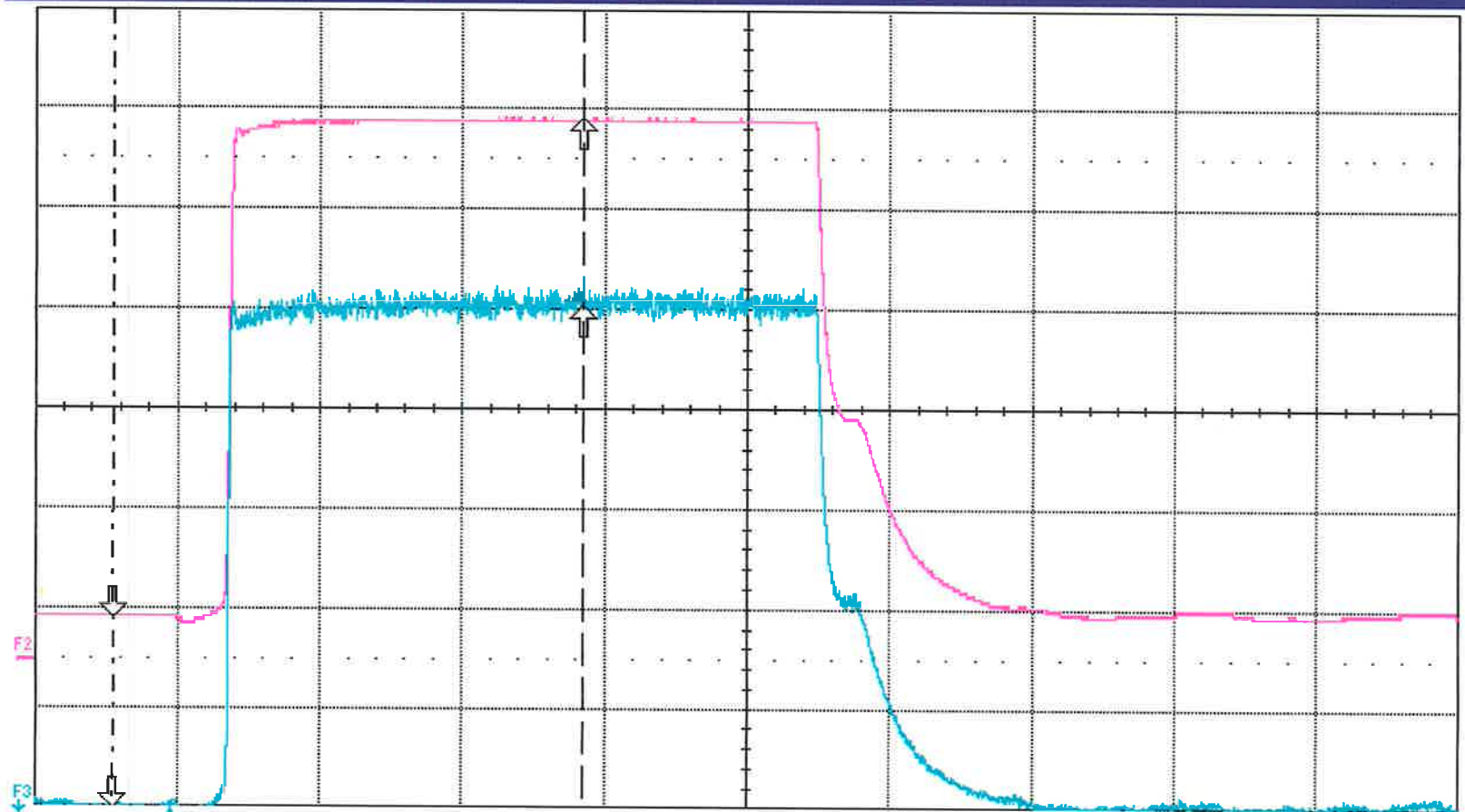
Ext DC 440mV 1MΩ

10 MS/s

☐ NORMAL

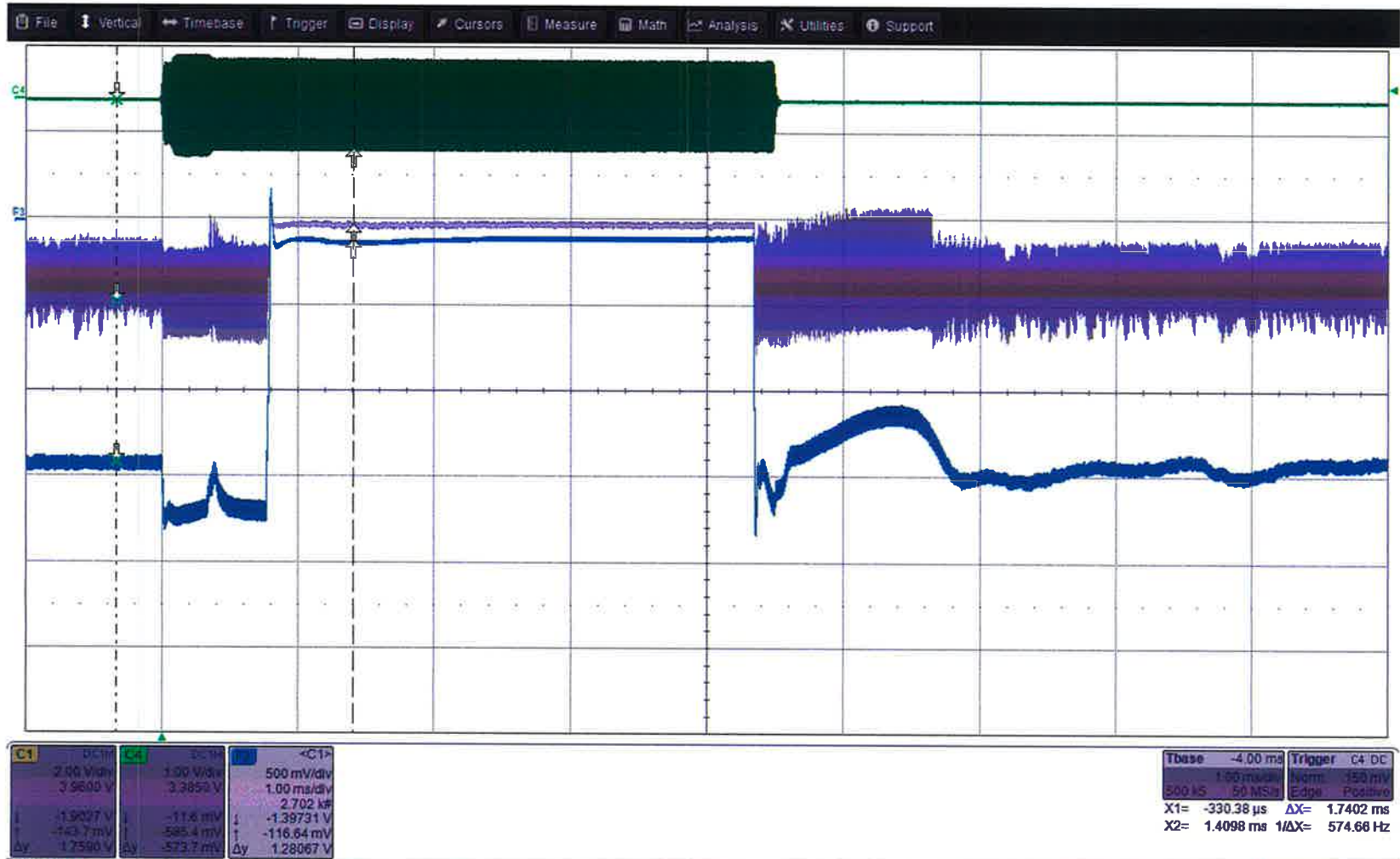


5/5/2023 12:24:04 PM



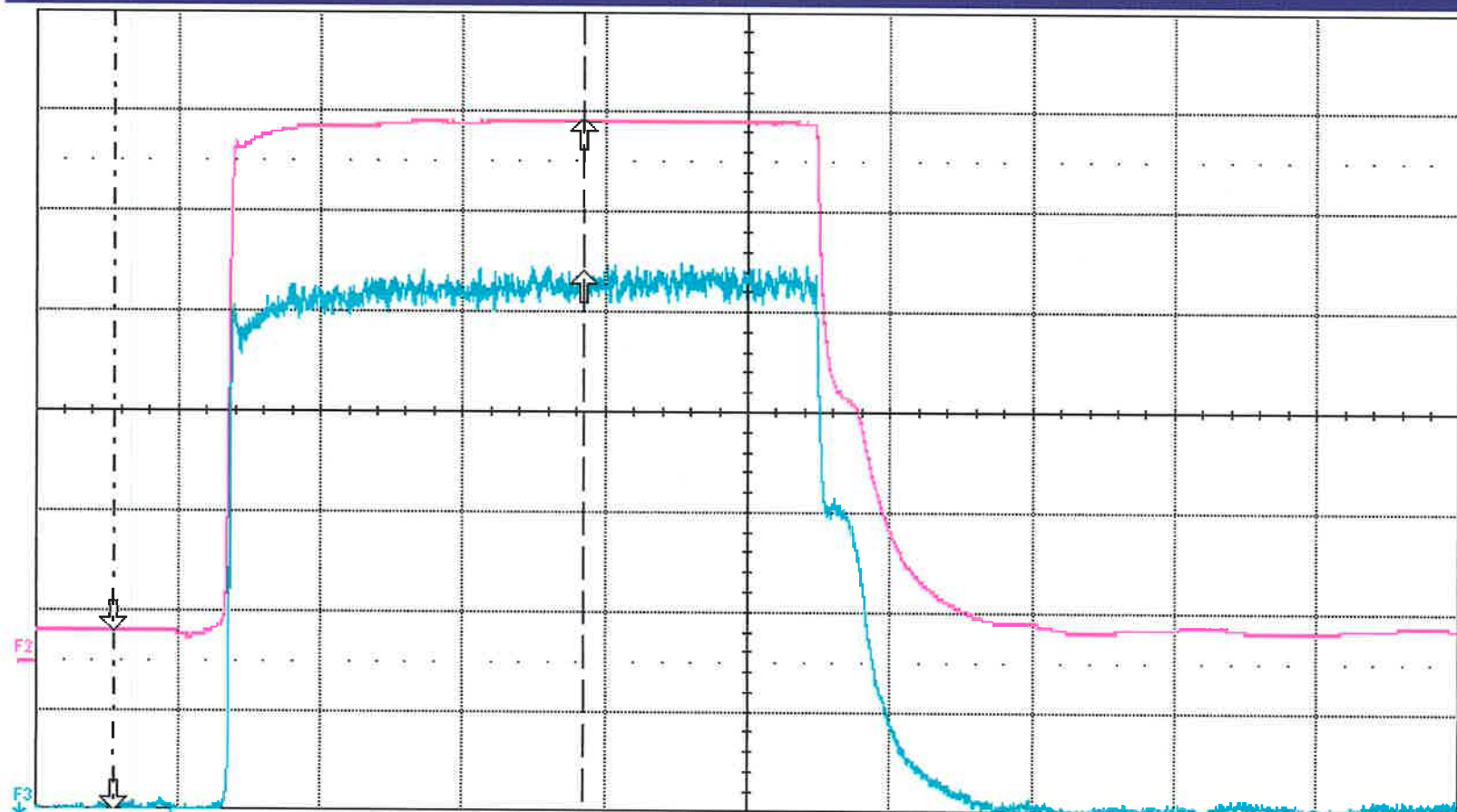
F2	<F3>	F3 script(C3,C2)
1.00/div	1.00/div	1.00/div
1.00 ms/div	1.00 ms/div	1.00 ms/div
388 #		
L 460.672e-3	L 389.1e-3	
↑ 5.427419	↑ 5.4369	
Δy 4.986747	Δy 5.0478	

Tbase	-4.04 ms	Trigger	Ext10 DC
	1.00 ms/div	Normal	130 mV
50.0 kS	5.0 MS/s	Edge	Positive
X1=	-395.2 μs	ΔX=	3.2902 ms
X2=	2.8950 ms	1/ΔX=	303.93 Hz



Print Now

5/5/2023 12:40:50 PM



F2	<F3>	F3 script(C3,C2)
1.00/div	1.00/div	1.00/div
1.00 ms/div	1.00 ms/div	1.00 ms/div
1.592 k#		
↓ 335.871e-3	↓ 422.5e-3	
↑ 5.440071	↑ 5.8062	
Δy 5.104201	Δy 5.3837	

Thase	-4.04 ms	Trigger	Ext/10 DC
	1.00 ms/div	Normal	130 mV
50.0 kS	5.0 MS/s	Edge	Positive
X1=	-395.2 μs	ΔX=	3.2902 ms
X2=	2.8950 ms	1/ΔX=	303.93 Hz