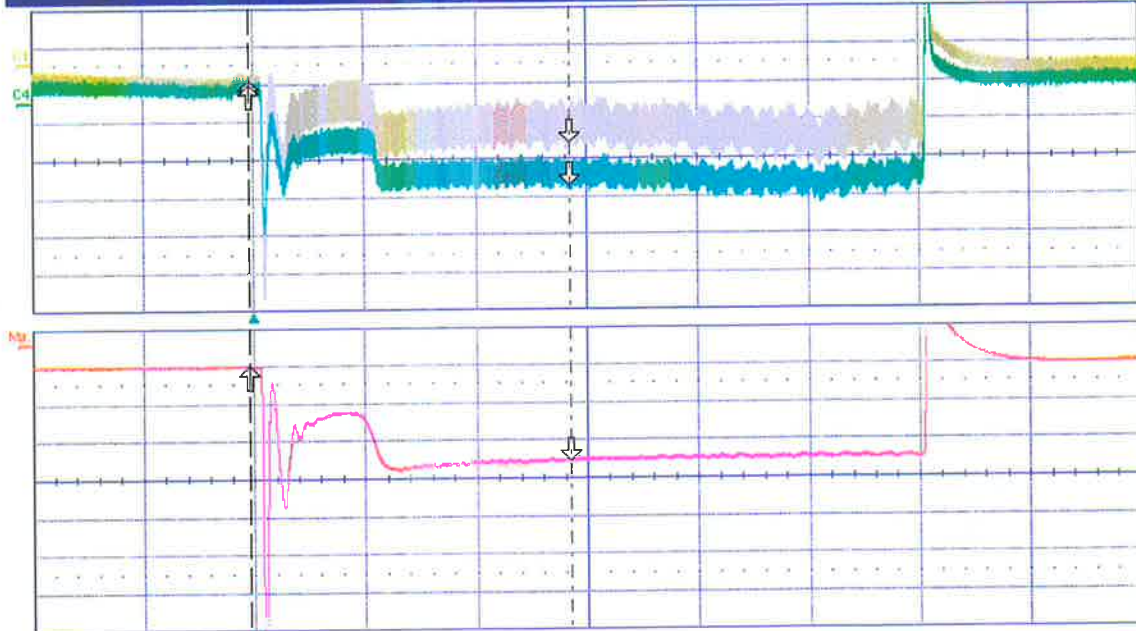


File Vertical Timebase Trigger Display Cursors Measure Math Analysis Utilities Help

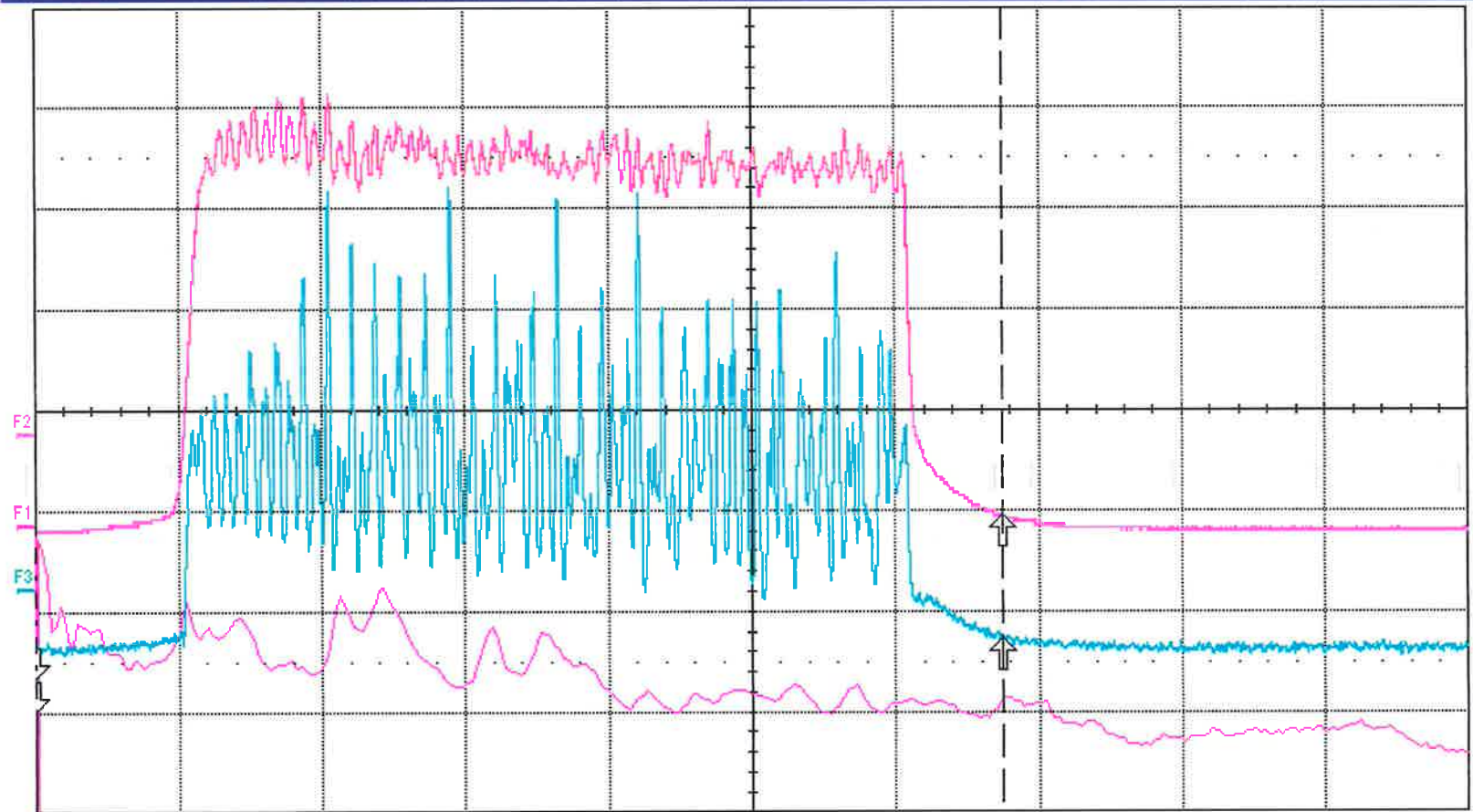


C1	C4	Math
5.00 mV/div	5.00 mV/div	5.00 mV/div
12.50 mV offset	7.50 mV offset	500 pA/div
		1.00 s
↓ -10.18 mV	↓ -10.81 mV	↓ -5.365 mV
↑ -2.25 mV	↑ 2.20 mV	↑ 1.775 mV
Δy 7.91 mV	Δy 13.00 mV	Δy 7.491 mV

Timebase	-1.50 ms	Trigger	Auto
	500 μs/div	Normal	300 mV
2.00 MS	400 MS/s	Edge	Positive
X1=	1.423250 ms	ΔX=	-1.443250 ms
X2=	-20.000 μs	1/ΔX=	-692.881 Hz

LeCroy

8/1/2023 2:18:55 PM



F1	<FFT(F3)>	F2	<F3>	F3	script(C3,C2)
20.0 dB/div		500e-3/div		1.00/div	
10.0 kHz/div		500 μs/div		500 μs/div	
190 #		119 #			
↓	---	↓	---	↓	---
↑	---	↑	---	↑	---
Δy	---	Δy	---	Δy	---

Tbase	-2.50 ms	Trigger	Ext/10 DC
	500 μs/div	Normal	130 mV
100 kS	20 MS/s	Edge	Positive
X1=	0.00 μs	ΔX=	3.37400 ms
X2=	3.37400 ms	1/ΔX=	296.384 Hz

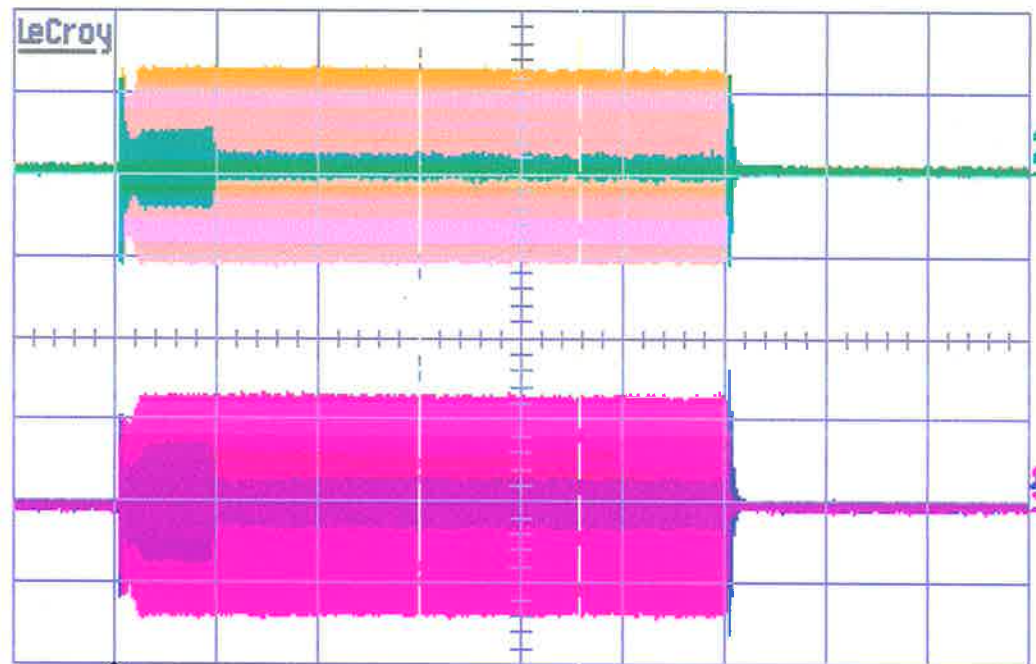
1-Aug-23  
14:18:34

1  
.5 ms  
0.50 V

2  
.5 ms  
200mV

3  
.5 ms  
0.50 V

4  
.5 ms  
200mV



3 sweeps:

	average	low	high	sigma
rms(1)	409.6mV	409.5	409.7	0.1
rms(2)	14.6mV	14.4	14.8	0.2
rms(3)	453.9mV	453.5	454.1	0.3
rms(4)	44.3mV	44.0	44.5	0.3
phase(1,3)	79.4 °	75.0	83.3	1.6

.5 ms

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



Ext DC 440mV 1MΩ

20 MS/s

☐ NORMAL

1-Aug-23  
14:21:00

1  
.5 ms  
0.50 V

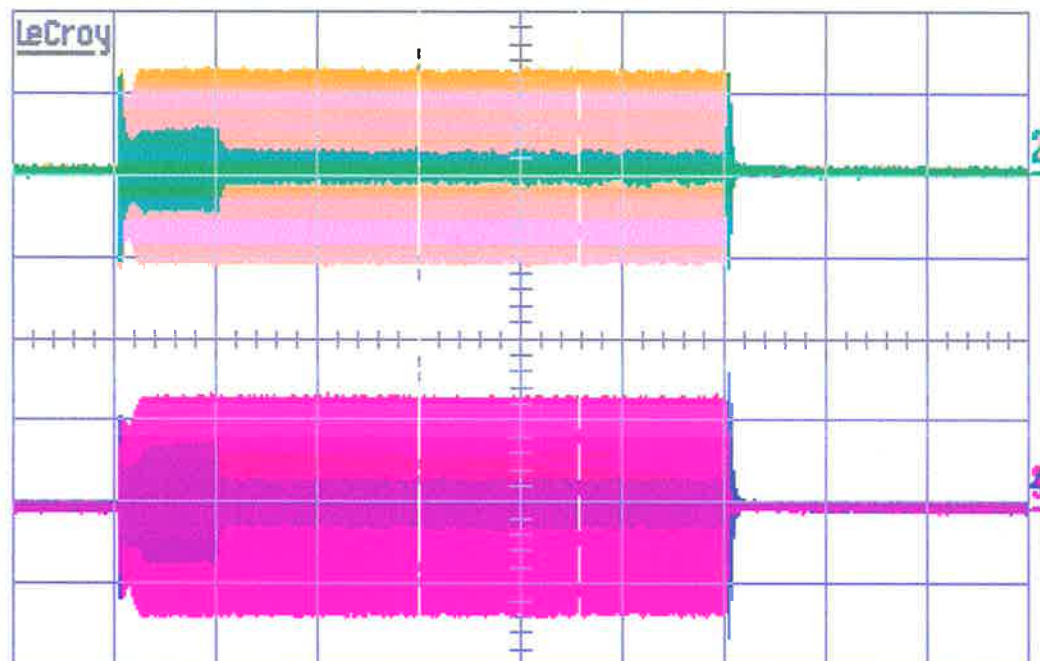
2  
.5 ms  
200mV

3  
.5 ms  
0.50 V

4  
.5 ms  
200mV

.5 ms

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



149 sweeps:

	average	low	high	sigma
rms(1)	411.0mV	408.2	413.9	1.4
rms(2)	17.1mV	14.3	21.4	2.1
rms(3)	455.1mV	451.7	457.8	1.5
rms(4)	44.3mV	43.3	45.1	0.3
phase(1,3)	79.4 °	74.8	83.9	1.4



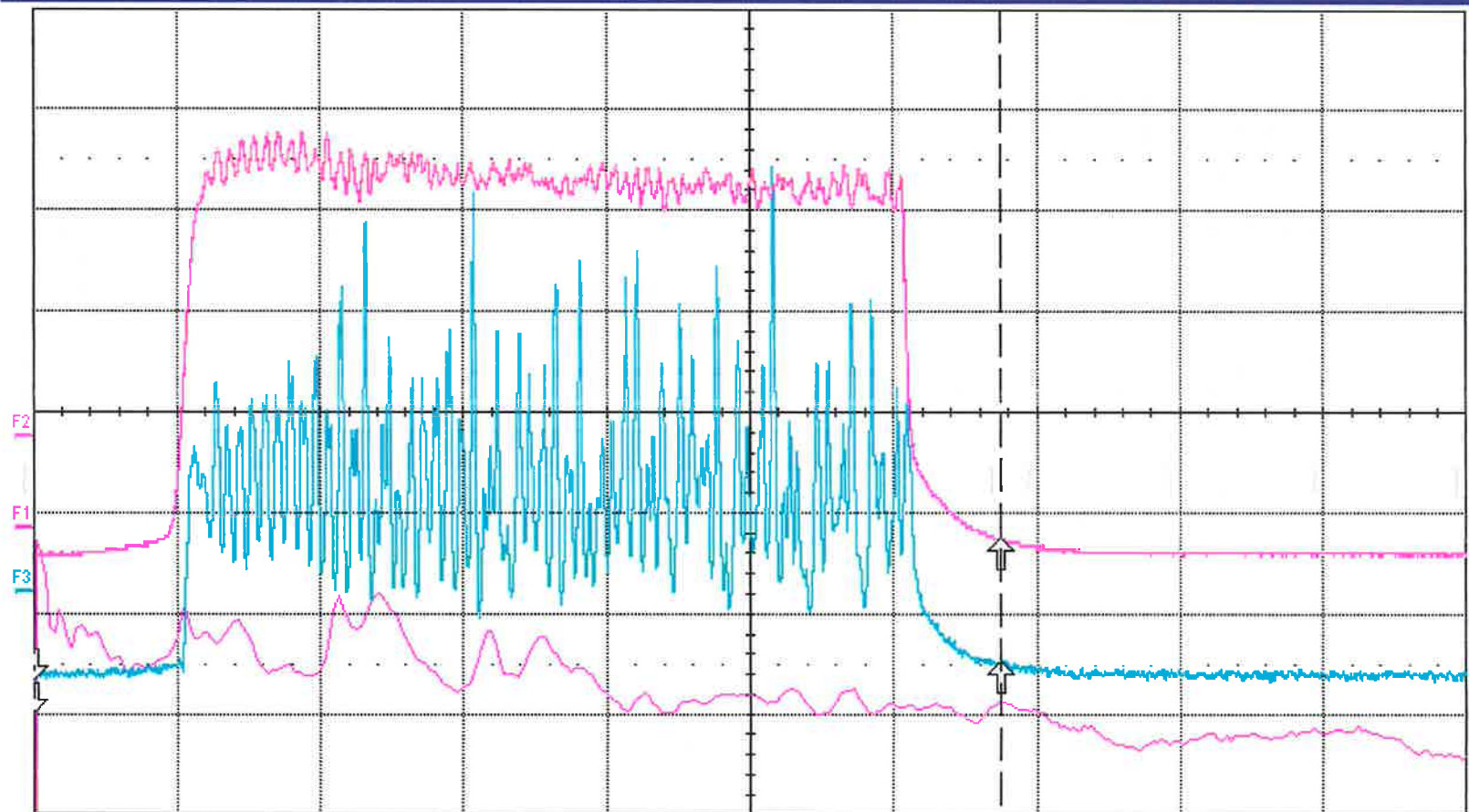
Ext DC 440mV 1MΩ

20 MS/s

☐ NORMAL

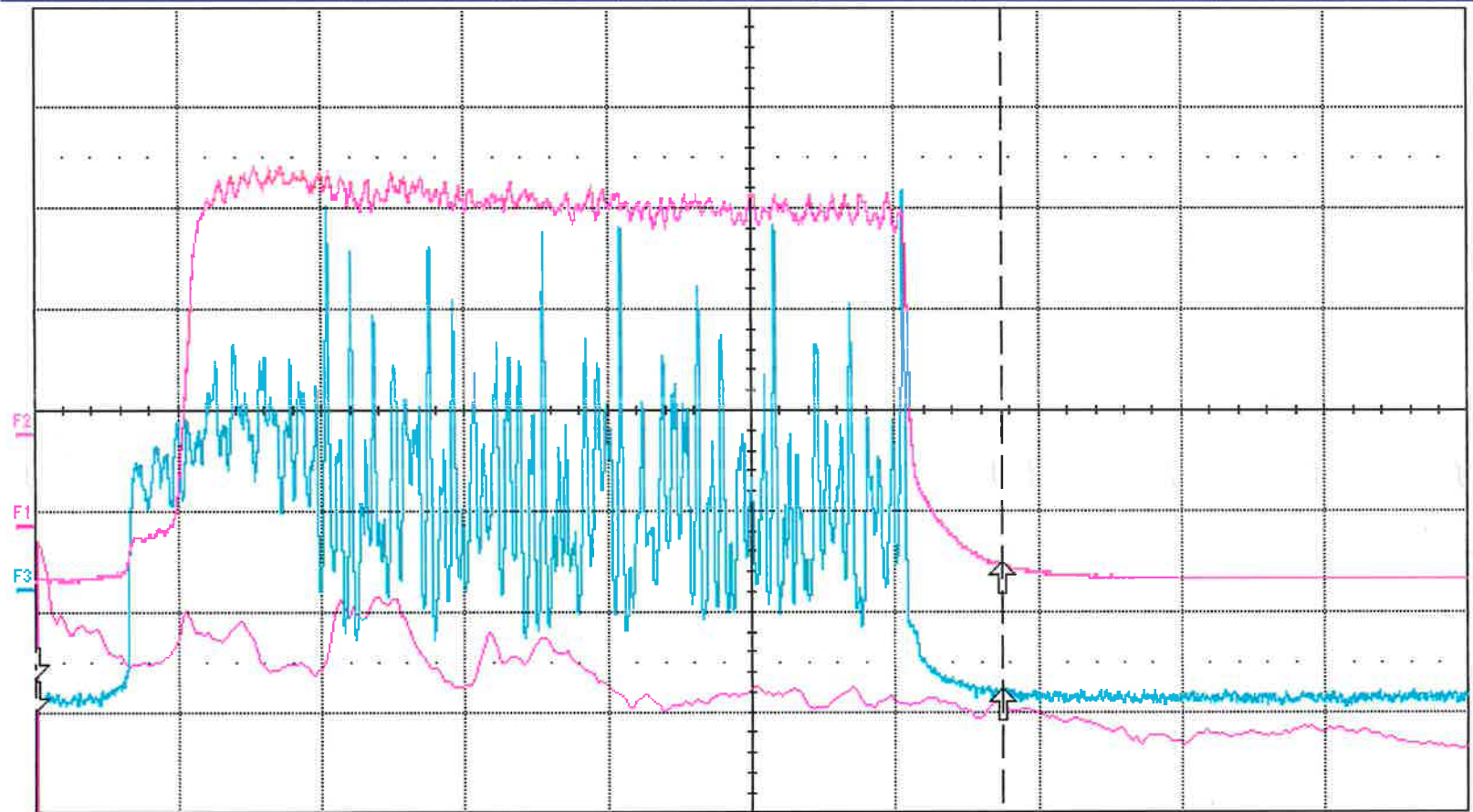






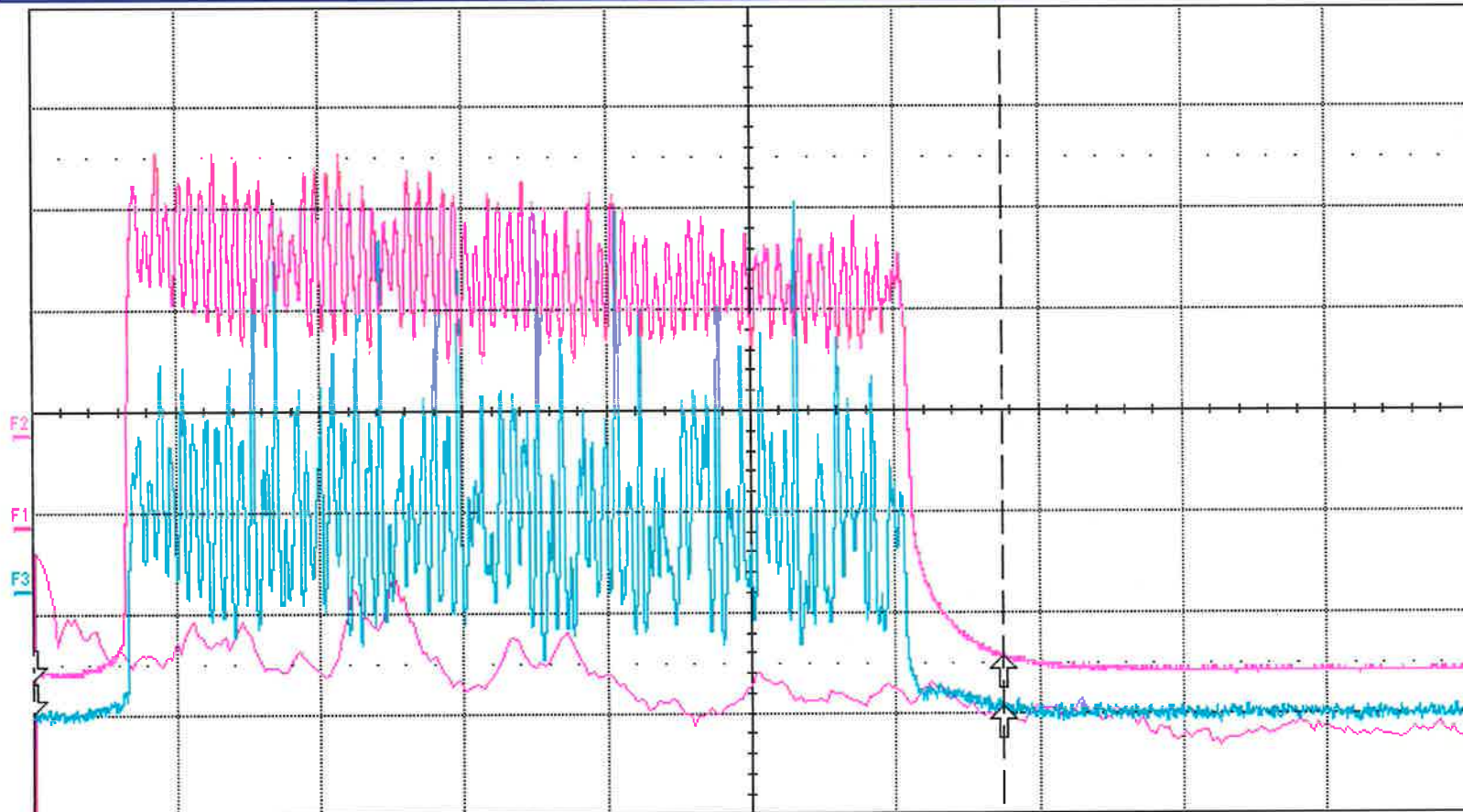
<b>F1</b>	<b>&lt;FFT(F3)&gt;</b>	<b>F2</b>	<b>&lt;F3&gt;</b>	<b>F3</b>	<b>script(C3,C2)</b>
20.0 dB/div		500e-3/div	1.00/div		
10.0 kHz/div		500 μs/div	500 μs/div		
271 #		200 #			
↓	---	↓	---	↓	---
↑	---	↑	---	↑	---
Δy	---	Δy	---	Δy	---

<b>Tbase</b>	<b>-2.50 ms</b>	<b>Trigger</b>	<b>Ext/10 DC</b>
	500 μs/div	Normal	130 mV
100 kS	20 MS/s	Edge	Positive
X1=	0.00 μs	ΔX=	3.37400 ms
X2=	3.37400 ms	1/ΔX=	296.384 Hz



F1	<FFT(F3)>	F2	<F3>	F3	script(C3,C2)
20.0 dB/div		500e-3/div		1.00/div	
10.0 kHz/div		500 μs/div		500 μs/div	
379 #		308 #			
↓ ---		↓ ---		↓ ---	
↑ ---		↑ -640.178e-3		↑ -1.0007	
Δy ---		Δy ---		Δy ---	

Tbase	-2.50 ms	Trigger	Ext/10 DC
	500 μs/div	Normal	130 mV
100 kS	20 MS/s	Edge	Positive
X1=	0.00 μs	ΔX=	3.37400 ms
X2=	3.37400 ms	1/ΔX=	296.384 Hz



F1	<FFT(F3)>	F2	<F3>	F3	script(C3,C2)
20.0 dB/div	500e-3/div	1.00/div			
10.0 kHz/div	500 μs/div	500 μs/div			
46 #	46 #				
↓	---	↓	---	↓	---
↑	---	↑	-1.095722	↑	-1.1624
Δy	---	Δy	---	Δy	---

Tbase	-2.50 ms	Trigger	Ext/10 DC
	500 μs/div	Normal	130 mV
100 kS	20 MS/s	Edge	Positive
X1=	0.00 μs	ΔX=	3.37400 ms
X2=	3.37400 ms	1/ΔX=	296.384 Hz



1-Aug-23  
14:26:29

1  
.5 ms  
0.50 V

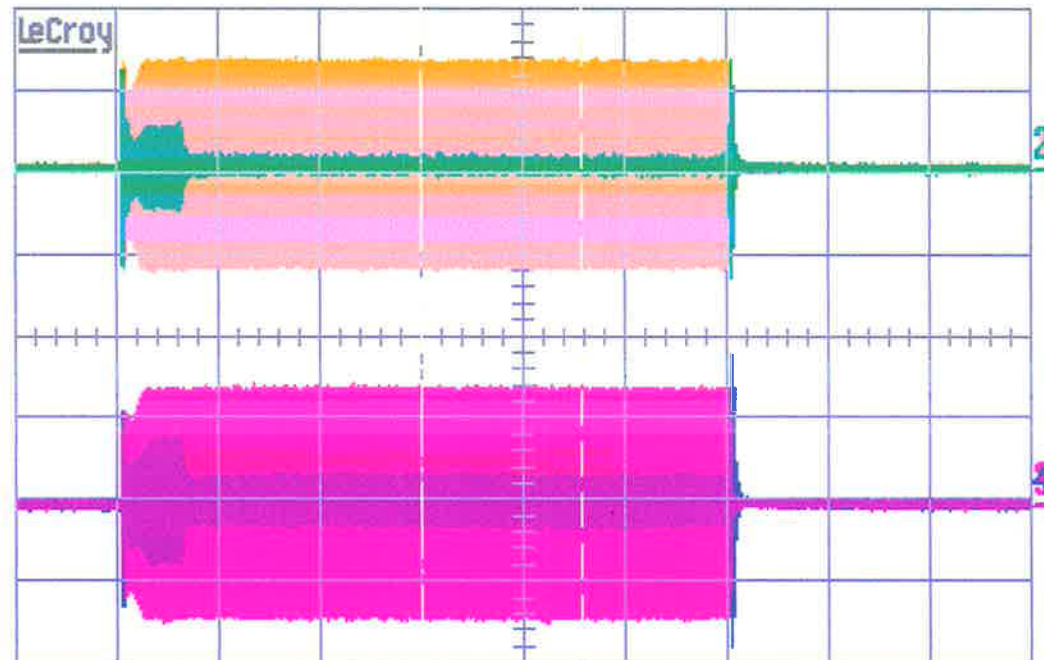
2  
.5 ms  
200mV

3  
.5 ms  
0.50 V

4  
.5 ms  
200mV

.5 ms

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



148 sweeps:

	average	low	high	sigma
rms(1)	443.5mV	441.0	445.5	1.1
rms(2)	15.9mV	12.1	19.7	1.0
rms(3)	485.8mV	483.5	487.5	0.9
rms(4)	48.4mV	47.8	49.1	0.3
phase(1,3)	78.4 °	74.1	83.2	1.3



Ext DC 440mV 1MΩ

20 MS/s

☐ NORMAL

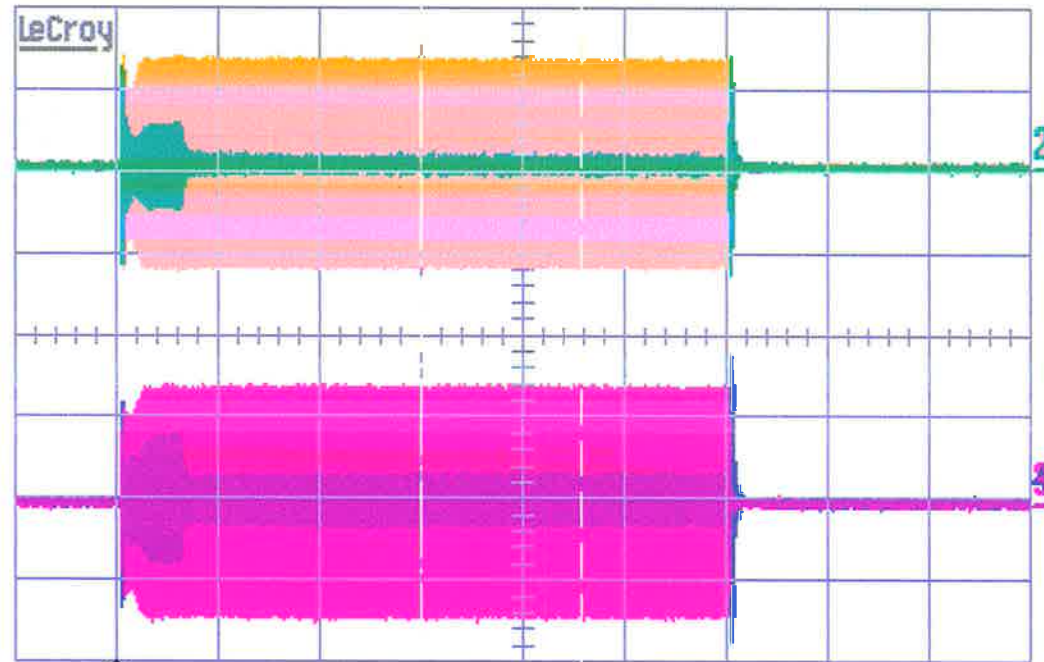
1-Aug-23  
14:27:48

1  
.5 ms  
0.50 V

2  
.5 ms  
200mV

3  
.5 ms  
0.50 V

4  
.5 ms  
200mV



227 sweeps:

	average	low	high	sigma
rms(1)	443.8mV	441.0	445.5	1.0
rms(2)	14.8mV	12.0	19.7	1.7
rms(3)	485.8mV	483.5	487.5	0.8
rms(4)	48.4mV	47.5	49.1	0.3
phase(1,3)	78.4 °	74.0	83.2	1.3

.5 ms

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



Ext DC 440mV 1MΩ

20 MS/s

☐ NORMAL

1-Aug-23  
14:33:31

1  
20  $\mu$ s  
0.50 V

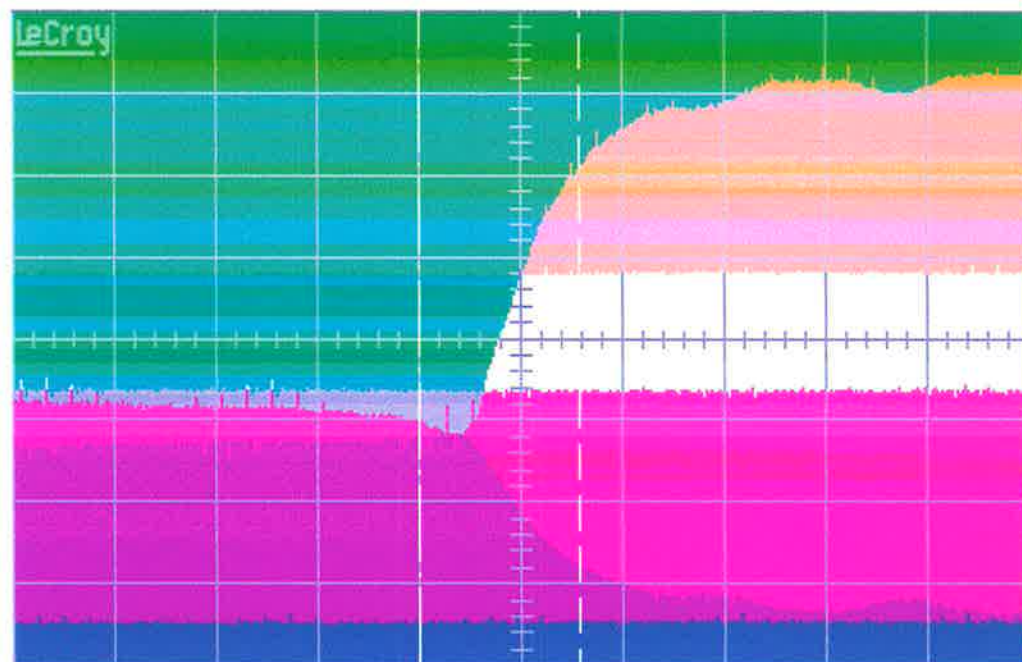
2  
20  $\mu$ s  
20.0mV

3  
20  $\mu$ s  
0.50 V

4  
20  $\mu$ s  
50mV

20  $\mu$ s

1 .5 V AC  
2 20 mV AC  
3 .5 V AC  
4 50 mV AC



← 224  $\mu$ s

	9 sweeps:	average	low	high	sigma
rms(1)		455.6mV	454.0	456.6	0.9
rms(2)	↑	41.17mV	35.81	45.63	3.40
rms(3)		481.5mV	480.7	482.7	0.6
rms(4)	↓	70.66mV	64.01	76.58	4.20
phase(1,3)		83.03 °	76.59	87.03	1.78



Ext DC 440mV 1M $\Omega$

CHANNEL 4

Trace  
OFF ☒ On

Coupling

ZOOM

FIND

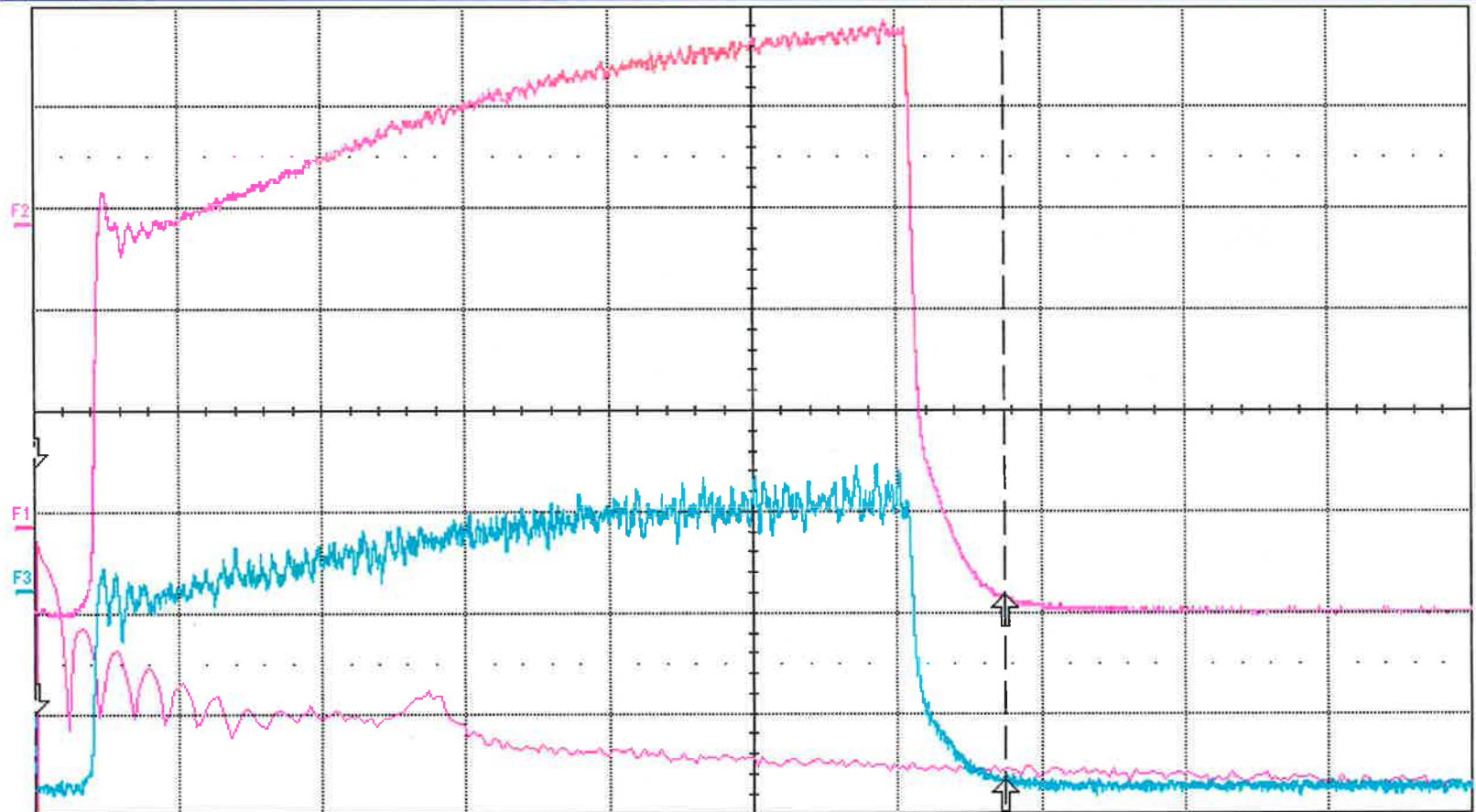
Gain  
Fixed ☒  
variable

Offsets in  
Volts ☒  
Divisions

Grids  
Single ☒ Dual  
Quad Octal

500 MS/s

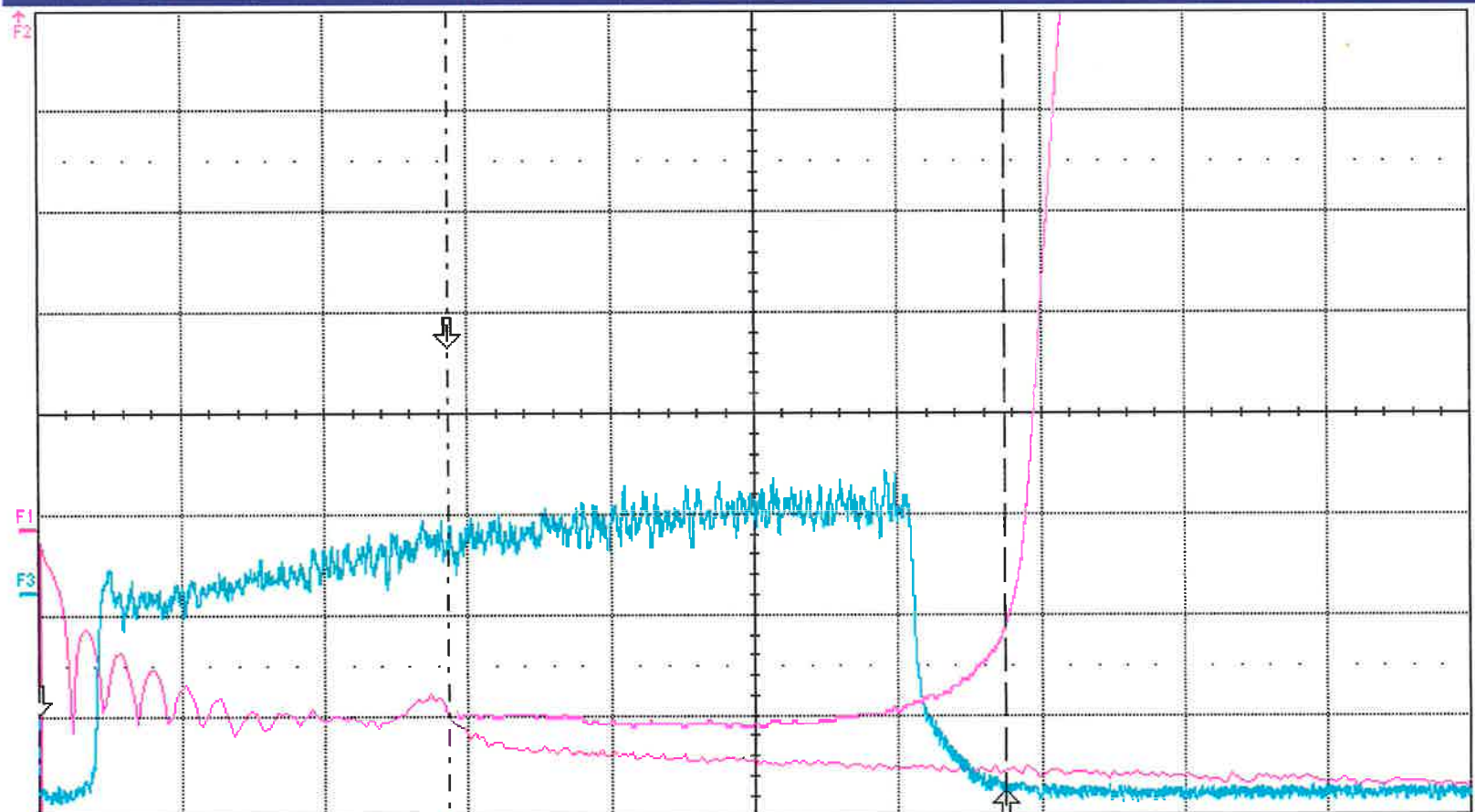
☐ NORMAL



F1	<FFT(F3)>	F2	<F3>	F3	script(C3,C2)
20.0 dB/div	500e-3/div	1.00/div	500 μs/div	500 μs/div	
10.0 kHz/div	55 #	55 #			
Δy	---	Δy	---	Δy	---
Δy	---	Δy	---	Δy	---

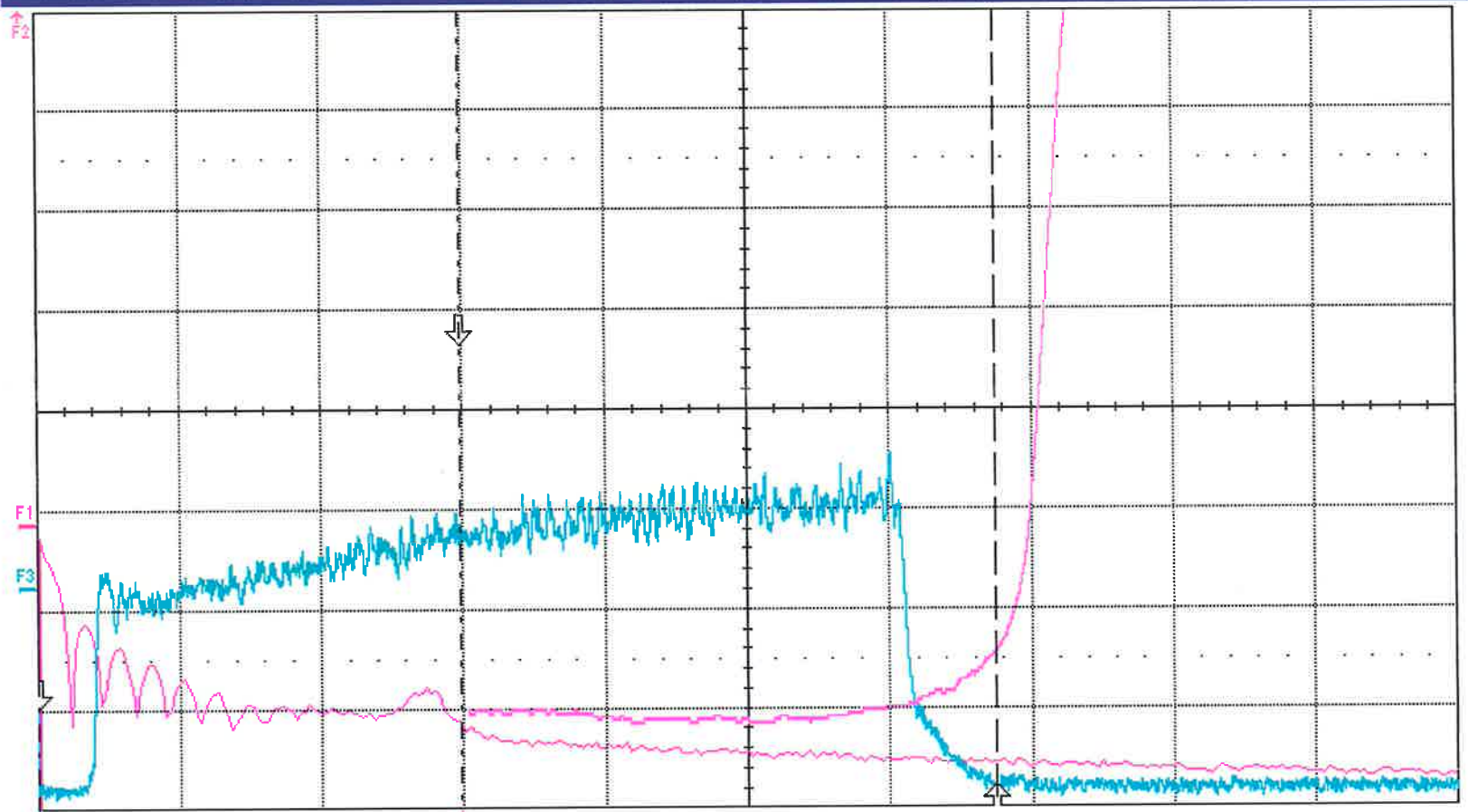
Tbase	-2.50 ms	Trigger	Ext10 DC
500 μs/div	Normal	130 mV	
100 kS	20 MS/s	Edge	Positive
X1=	0.00 μs	ΔX=	3.37400 ms
X2=	3.37400 ms	1/ΔX=	296.384 Hz





<b>F1</b>	<b>&lt;FFT(F3)&gt;</b>	<b>F2</b>	<b>&lt;F3&gt;</b>	<b>F3</b>	<b>script(C3,C2)</b>
20.0 dB/div	200e-3/div	1.00/div	500 μs/div	86 #	---
10.0 kHz/div	50.0 μs/div	---	---	---	---
---	---	---	---	---	---
↓	---	---	---	---	---
↑	---	---	---	---	---
Δy	---	---	---	---	---

<b>Tbase</b>	-2.50 ms	<b>Trigger</b>	Edge/10 DC
500 μs/div	---	Normal	130 mV
100 kS	20 MS/s	Edge	Positive
X1=	0.00 μs	ΔX=	3.37400 ms
X2=	3.37400 ms	1/ΔX=	296.384 Hz



F1	<FFT(F3)>	F2	<F3>	F3	script(C3,C2)
20.0 dB/div		200e-3/div		1.00/div	
10.0 kHz/div		50.0 $\mu$ s/div		500 $\mu$ s/div	
94 #		94 #			
↓	---	↓	---	↓	---
↑	---	↑	---	↑	-2.0028
$\Delta y$	---	$\Delta y$	---	$\Delta y$	---

Tbase	-2.50 ms	Trigger	Ext/10 DC
	500 $\mu$ s/div	Normal	130 mV
100 kS	20 MS/s	Edge	Positive
X1=	0.00 $\mu$ s	$\Delta X=$	3.37400 ms
X2=	3.37400 ms	1/ $\Delta X=$	296.384 Hz

1-Aug-23  
14:40:11

1  
.5 ms  
0.50 V

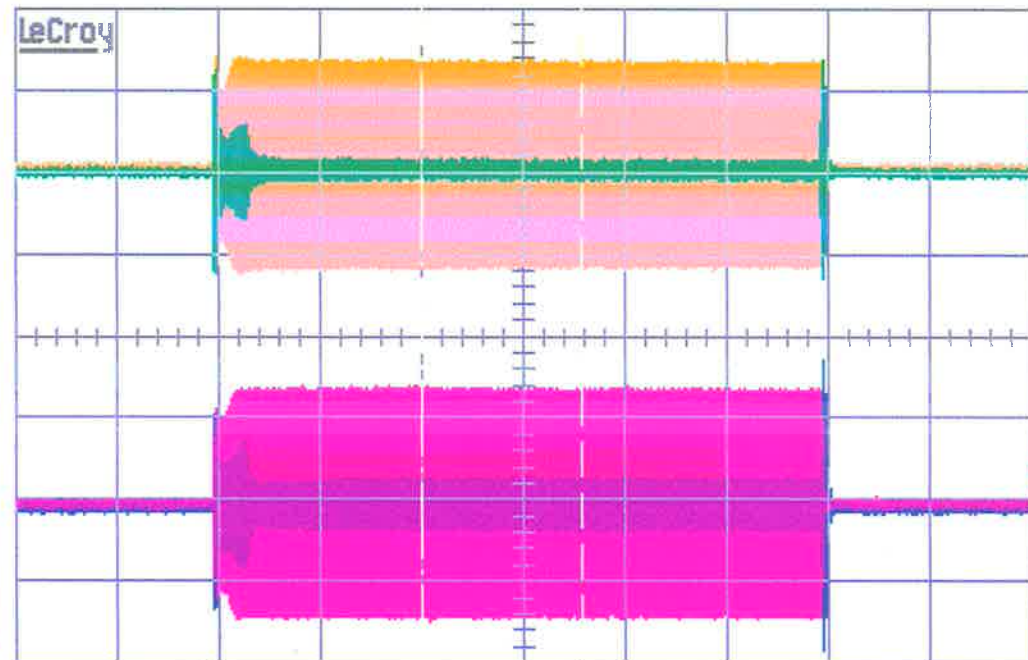
2  
.5 ms  
200mV

3  
.5 ms  
0.50 V

4  
.5 ms  
200mV

.5 ms

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



64 sweeps:

	average	low	high	sigma
rms(1)	440.8mV	438.3	441.9	0.7
rms(2)	13.1mV	12.9	13.3	0.1
rms(3)	479.6mV	477.1	480.7	0.7
rms(4)	48.2mV	47.9	48.5	0.1
phase(1,3)	78.0 °	73.4	82.2	1.3



Ext DC 440mV 1MΩ

CHANNEL 4

Trace  
OFF ☒ On

Coupling

ZOOM

FIND

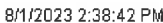
Gain  
Fixed ☒ variable

Offsets in  
Volts ☒  
Divisions

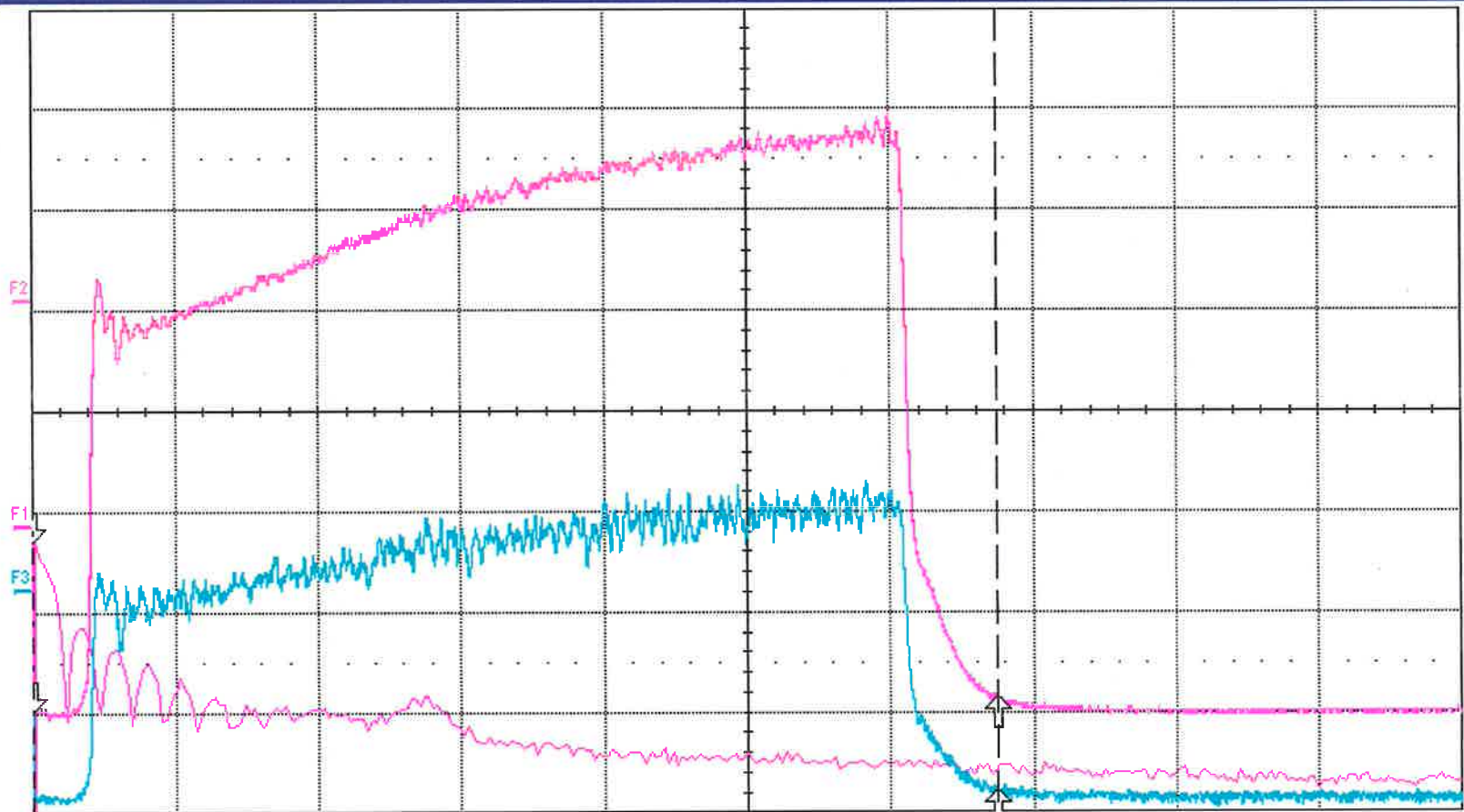
Grids  
Single ☒ Dual  
Quad Octal

20 MS/s

☐ NORMAL







<b>F1</b>	<b>&lt;FFT(F3)&gt;</b>	<b>F2</b>	<b>&lt;F3&gt;</b>	<b>F3</b>	<b>script(C3,C2)</b>
20.0 dB/div	500e-3/div	1.00/div	500e-3/div	1.00/div	500e-3/div
10.0 kHz/div	500 μs/div	500 μs/div	500 μs/div	500 μs/div	500 μs/div
32 #	32 #	32 #	32 #	32 #	32 #
↓	---	↓	---	↓	---
↑	---	↑	-1.977476	↑	-2.0028
Δy	---	Δy	---	Δy	---

<b>Tbase</b>	<b>-2.50 ms</b>	<b>Trigger</b>	<b>Ext/10 DC</b>
500 μs/div	Normal	130 mV	
100 kS	20 MS/s	Edge	Positive
X1=	0.00 μs	ΔX=	3.37400 ms
X2=	3.37400 ms	1/ΔX=	296.384 Hz

1-Aug-23  
14:50:03

1  
.5 ms  
0.50 V

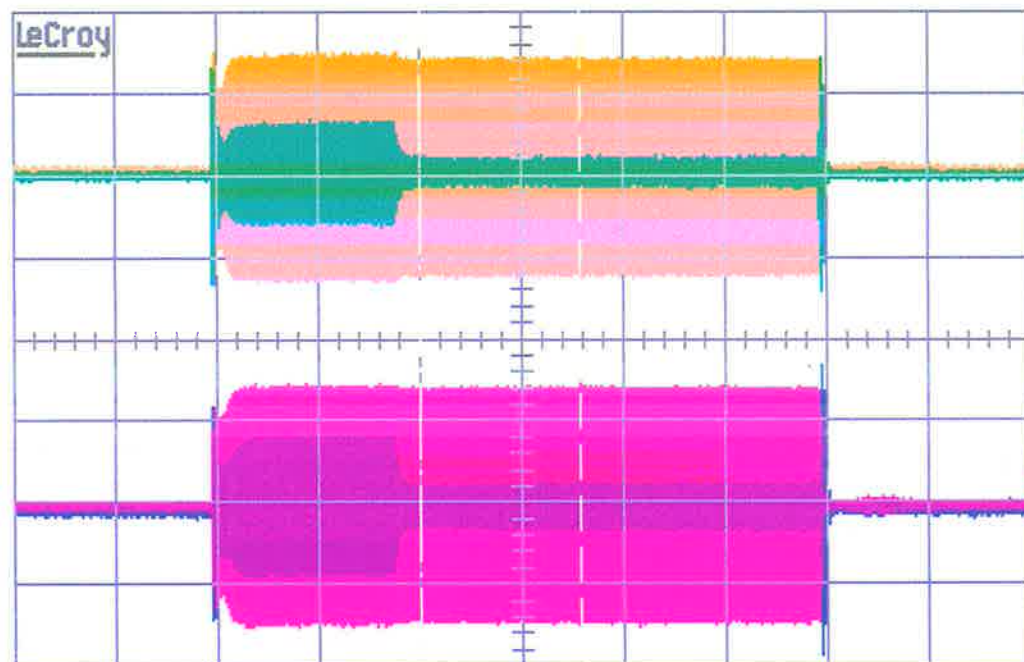
2  
.5 ms  
200mV

3  
.5 ms  
0.50 V

4  
.5 ms  
200mV

.5 ms

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



12 sweeps:

	average	low	high	sigma
rms(1)	464.6mV	464.1	465.4	0.3
rms(2)	18.1mV	17.6	21.4	1.1
rms(3)	492.6mV	491.9	493.2	0.3
rms(4)	41.6mV	41.1	43.0	0.5
phase(1,3)	76.9 °	73.1	84.0	1.8



Ext DC 440mV 1MΩ

CHANNEL 4

Trace  
OFF ☒ On

Coupling

ZOOM

FIND

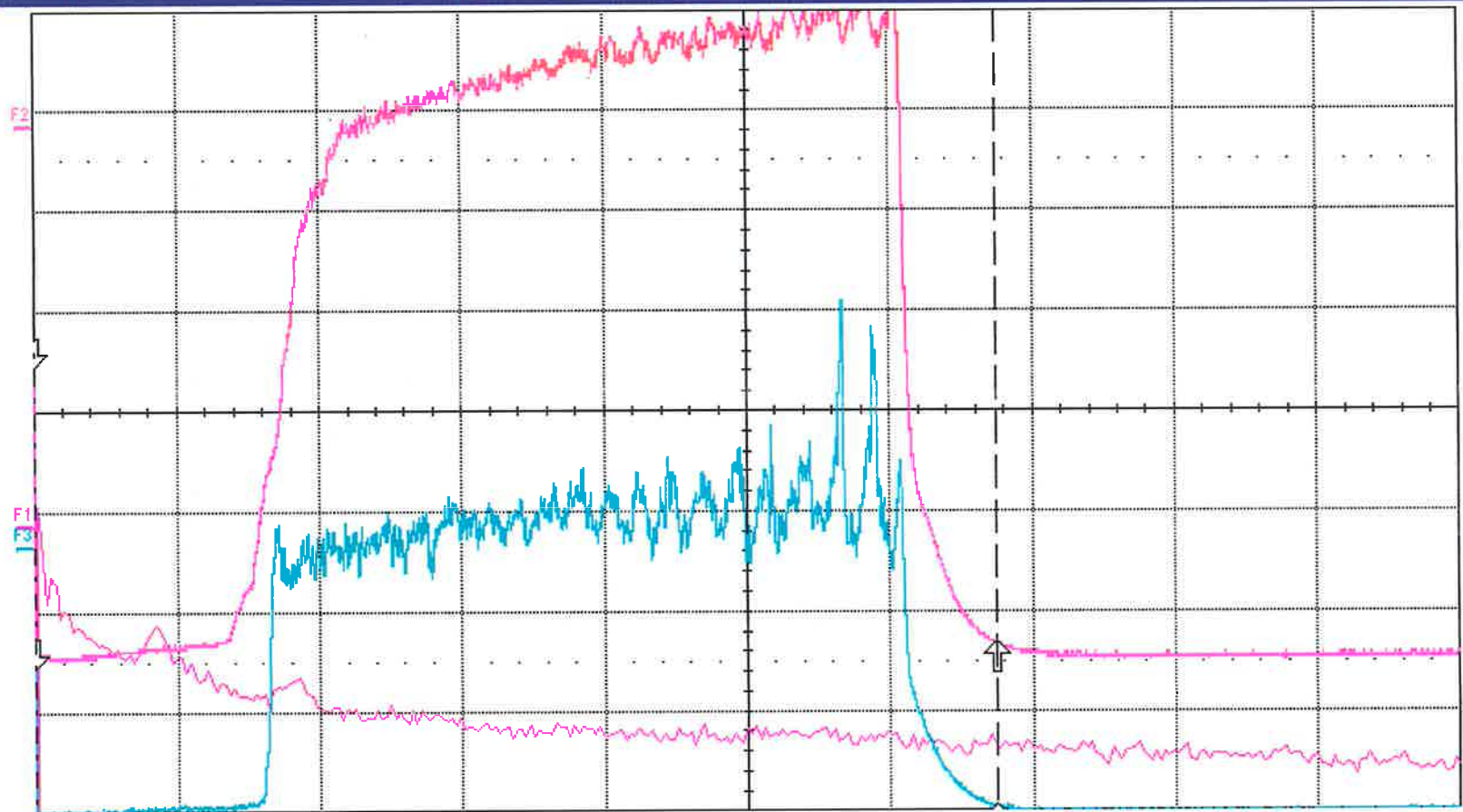
Gain  
Fixed ☒  
variable

Offsets in  
Volts ☒  
Divisions

Grids  
Single ☒ Dual  
Quad Octal

20 MS/s

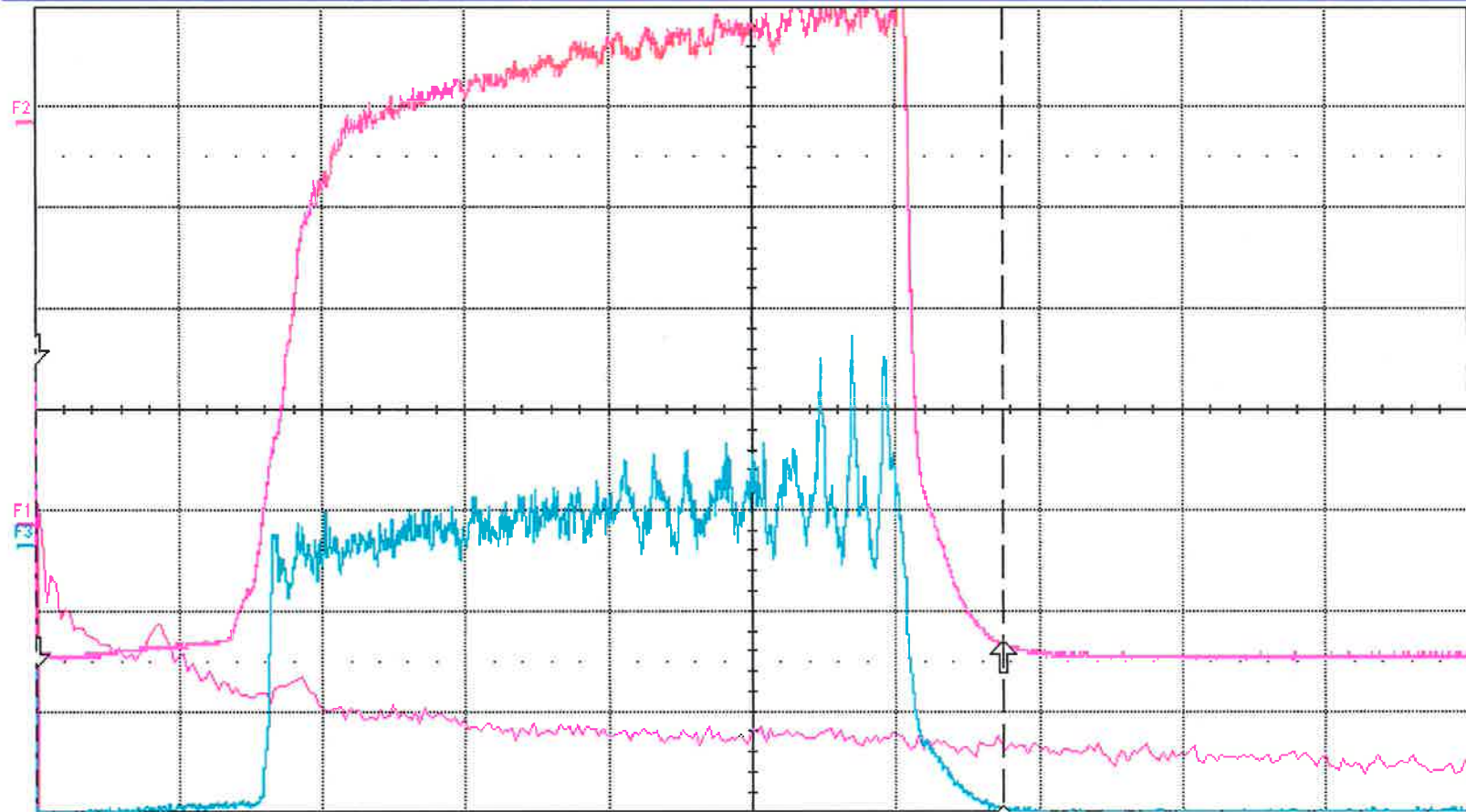
☐ NORMAL



F1	<FFT(F3)>	F2	<F3>	F3	script(C3,C2)
20.0 dB/div		500e-3/div		1.00/div	
10.0 kHz/div		500 μs/div		500 μs/div	
22 #		22 #			
↓	--	↓	--	↓	--
↑	--	↑	-2.578541	↑	-2.5978
Δy	--	Δy	--	Δy	--

Tbase	-2.50 ms	Trigger	Ext/10	DC
	500 μs/div	Normal	130 mV	
100 kS	20 MS/s	Edge	Positive	
X1=	0.00 μs	ΔX=	3.37400 ms	
X2=	3.37400 ms	1/ΔX=	296.384 Hz	

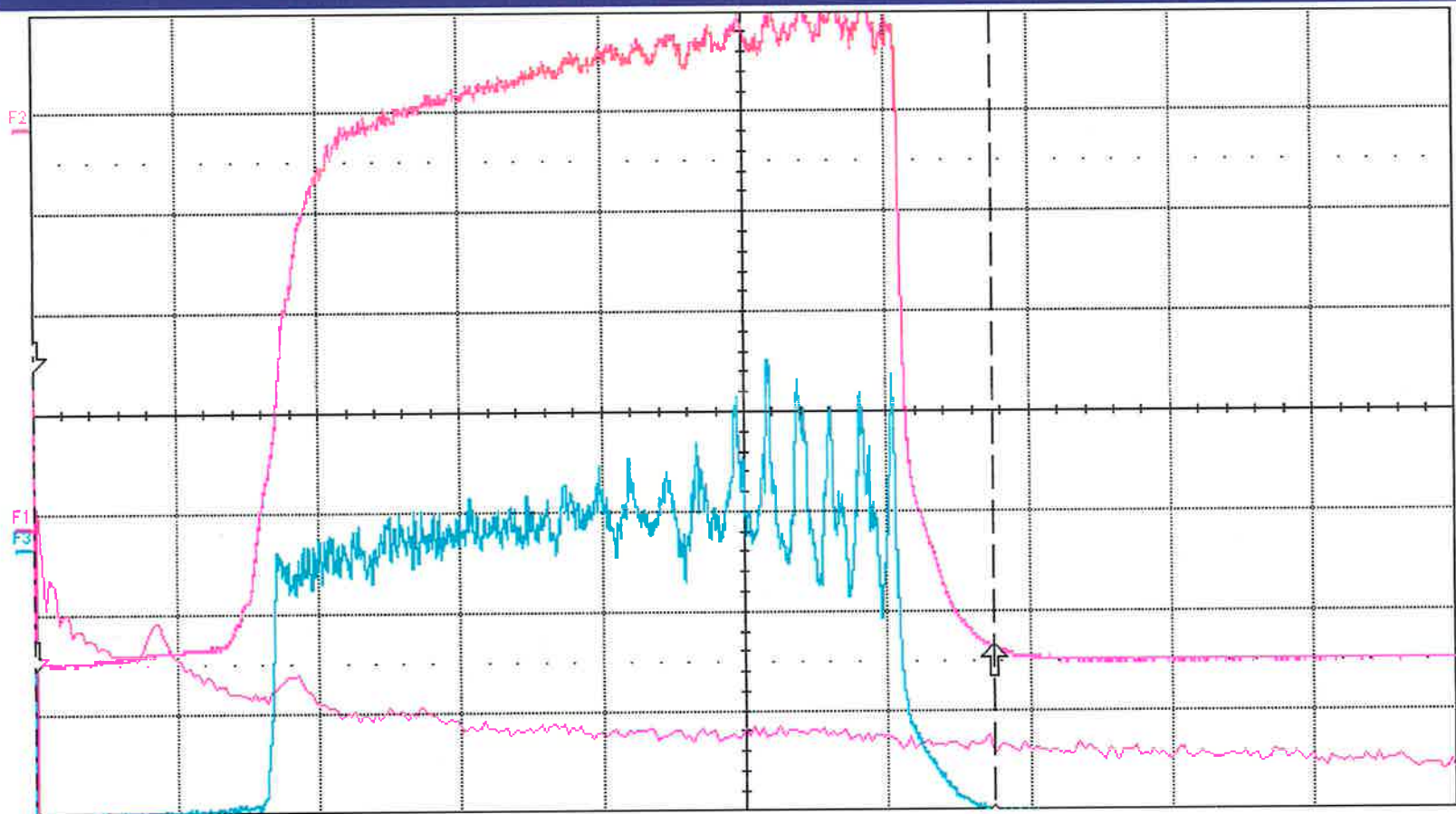




F1	<FFT(F3)>	F2	<F3>	F3	script(C3,C2)
20.0 dB/div	500e-3/div	1.00/div			
10.0 kHz/div	500 μs/div	500 μs/div			
24 #	23 #				
↓	↓	↓			
↑	↑	↑			
Δy	Δy	Δy			

Thase	-2.50 ms	Trigger	Ext/10 DC
	500 μs/div	Normal	130 mV
100 kS	20 MS/s	Edge	Positive
X1=	0.00 μs	ΔX=	3.37400 ms
X2=	3.37400 ms	1/ΔX=	296.384 Hz

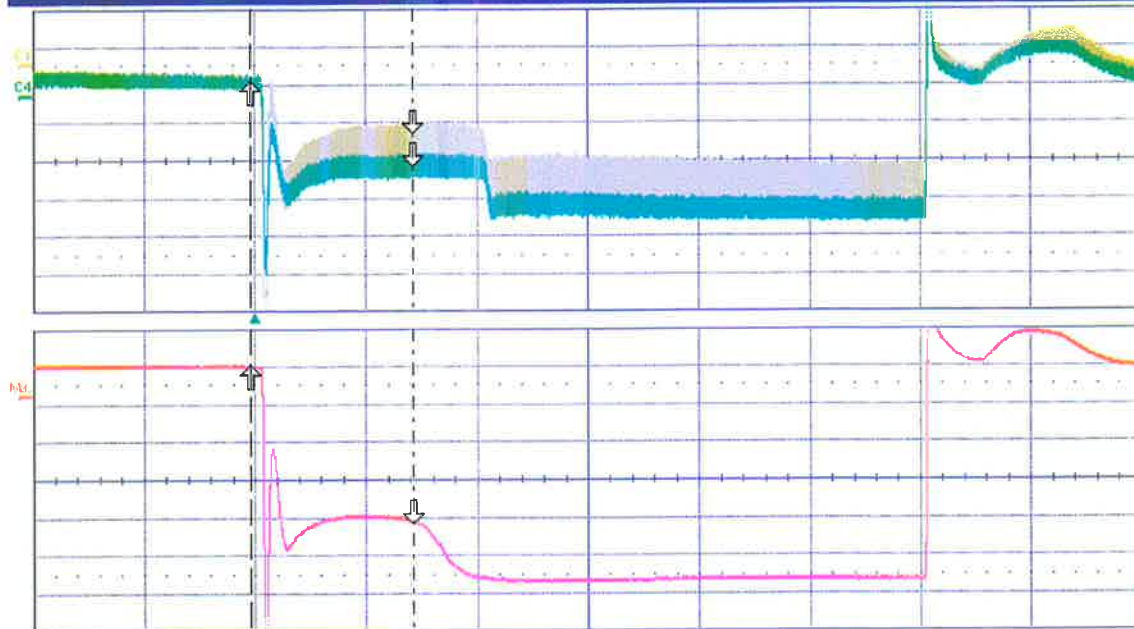




F1	<FFT(F3)>	F2	<F3>	F3	script(C3,C2)
20.0 dB/div		500e-3/div		1.00/div	
10.0 kHz/div		500 µs/div		500 µs/div	
40 #		40 #			
↓	---	↓	---	↓	---
↑	---	↑	-2.599248	↑	-2.6241
Δy	---	Δy	---	Δy	---

Thase	-2.50 ms	Trigger	Ext 10 DC
	500 µs/div	Normal	130 mV
100 kS	20 MS/s	Edge	Positive
X1=	0.00 µs	ΔX=	3.37400 ms
X2=	3.37400 ms	1/ΔX=	296.384 Hz

File Vertical Timebase Trigger Display Cursors Measure Math Analysis Utilities Help



C1	C4	Math
5.00 mV/div	5.00 mV/div	3.00 mV/div
12.50 mV offset	8.50 mV offset	500 $\mu$ s/div
		66 s
↓ -8.00 mV	↓ -8.20 mV	↓ 10.031 $\mu$ s
↑ -2.60 mV	↑ 1.39 mV	↑ 2.270 mV
$\Delta y$ -5.21 mV	$\Delta y$ 9.60 mV	$\Delta y$ 12.304 mV

Timebase	-1.50 ms	Trigger	Edge 00
	500 $\mu$ s/div	Normal	300 mV
2.00 MS	400 MS/s	Edge	Positive
X1=	712.023 $\mu$ s	$\Delta X$ =	-732.023 $\mu$ s
X2=	-20.000 $\mu$ s	1/ $\Delta X$ =	-1.366078 kHz

LeCroy

8/1/2023 2:49:22 PM