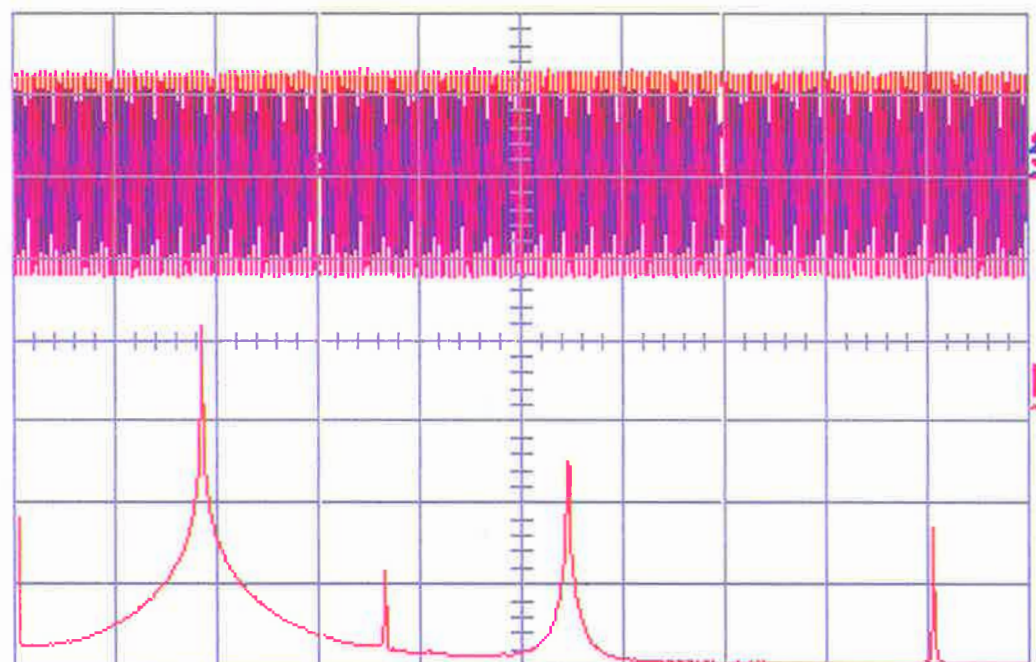


22-Dec-22

12:39:42

3  
10  $\mu$ s  
2.00 V

4  
10  $\mu$ s  
2.00 V  
3: Average(A)  
1 MHz  
=15.0 dBm==



← 1.900 ms

	142 sweeps:	average	low	high	sigma
phase(4,3)		96.19 °	88.92	103.62	2.03
pkpk(3)		5.12 V	5.06	5.25	0.05
rms(2)		39.4mV	38.2	40.7	0.5
rms(4)		1.280 V	1.267	1.291	0.005
rms(3)		1.581 V	1.573	1.593	0.004

10  $\mu$ s

1 1 V DC  
2 .1 V DC  
3 2 V DC  
4 2 V DC



Ext10 DC 0.15 V 50 $\Omega$

CHANNEL 4

Trace  
OFF ☒ On

Coupling

ZOOM

FIND

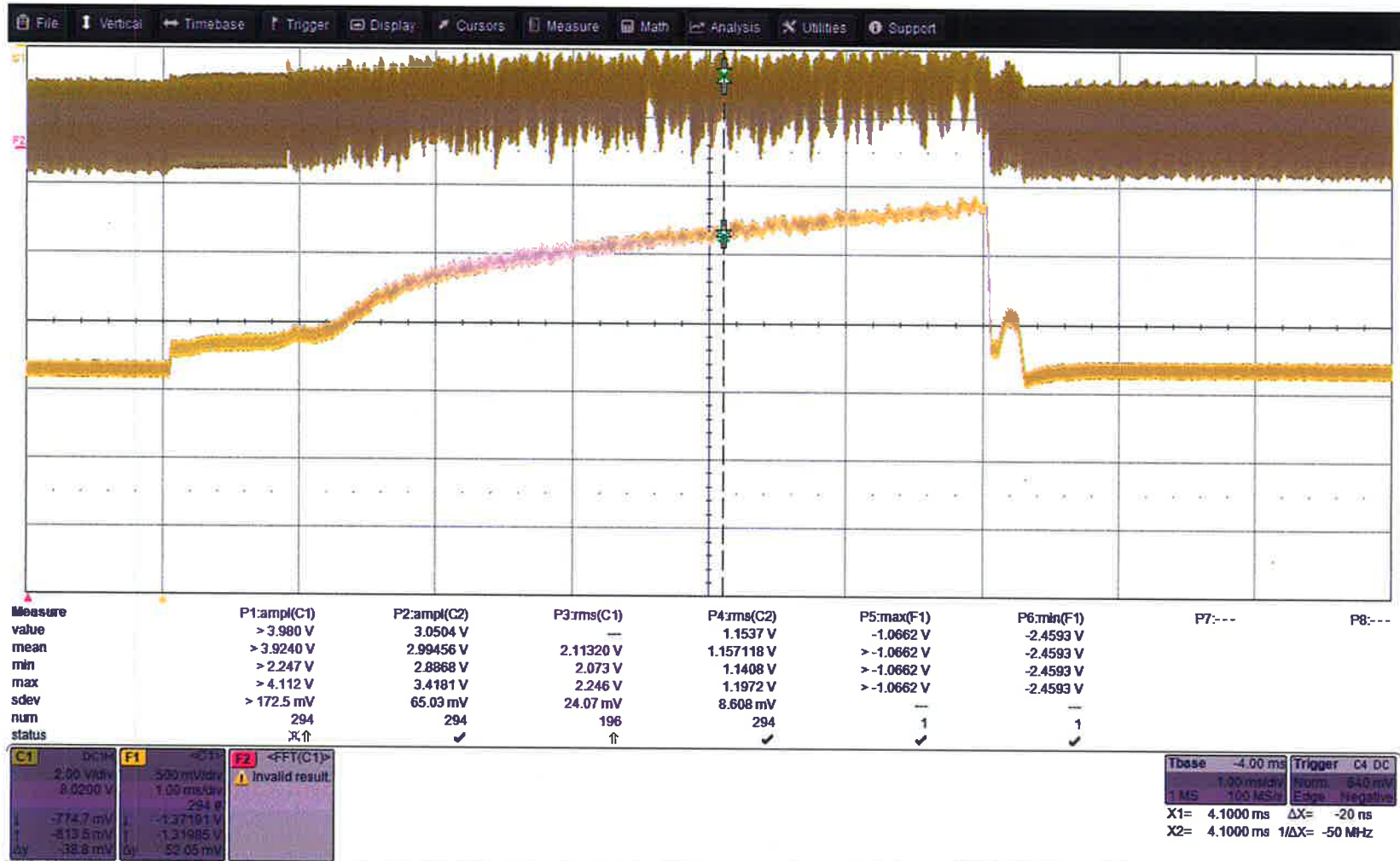
Gain  
Fixed ☒ variable

Offsets in  
Volts  
Divisions ☒

Grids  
Single ☒ Dual  
Quad Octal

1 GS/s

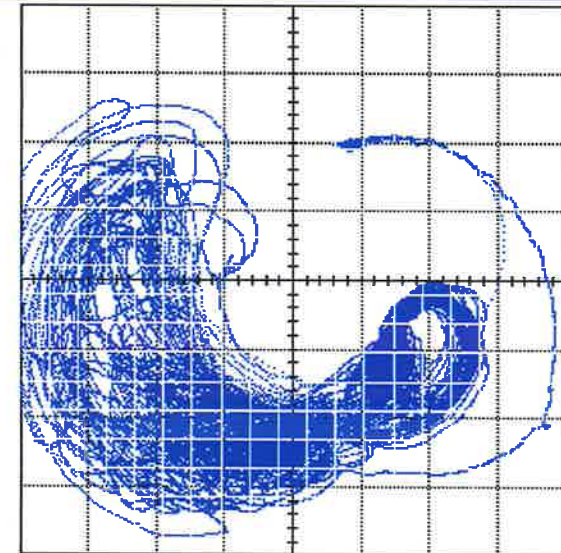
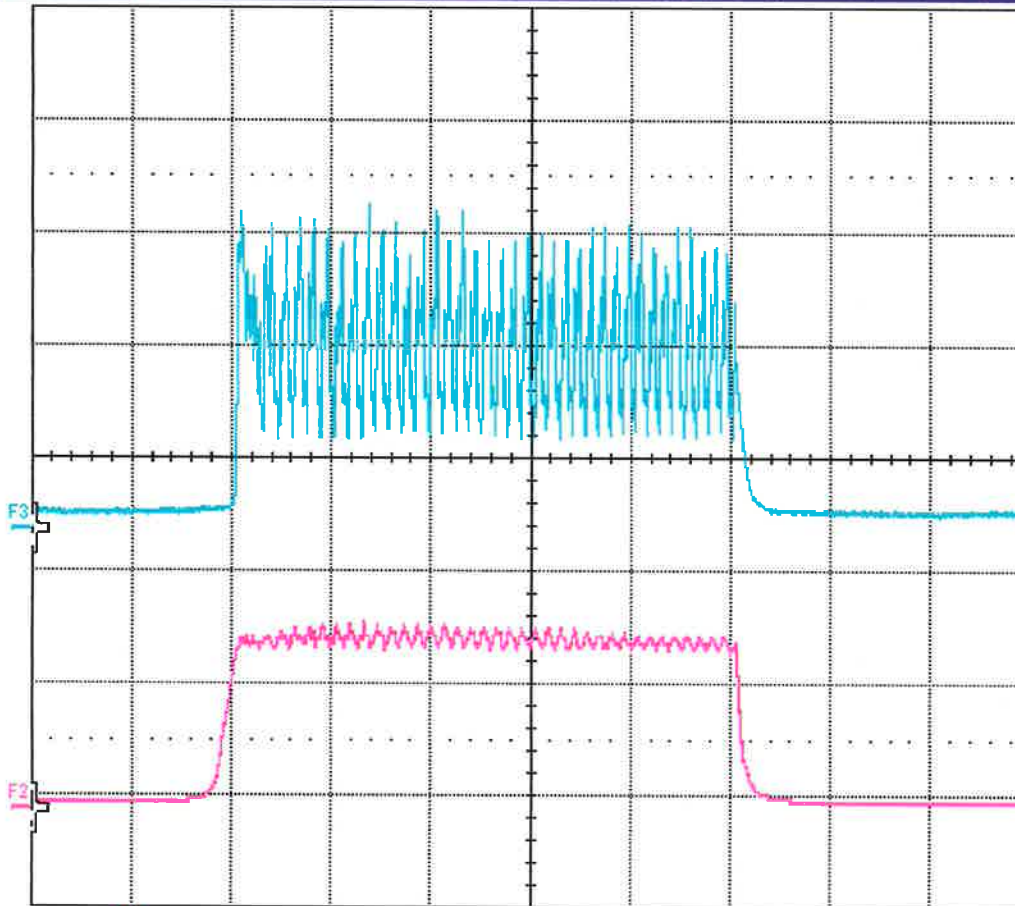
DISPLAY ☐ NORMAL



Print Now

12/22/2022 12:44:51 PM

File Vertical Timebase Trigger Display Cursors Measure Math Analysis Utilities Help



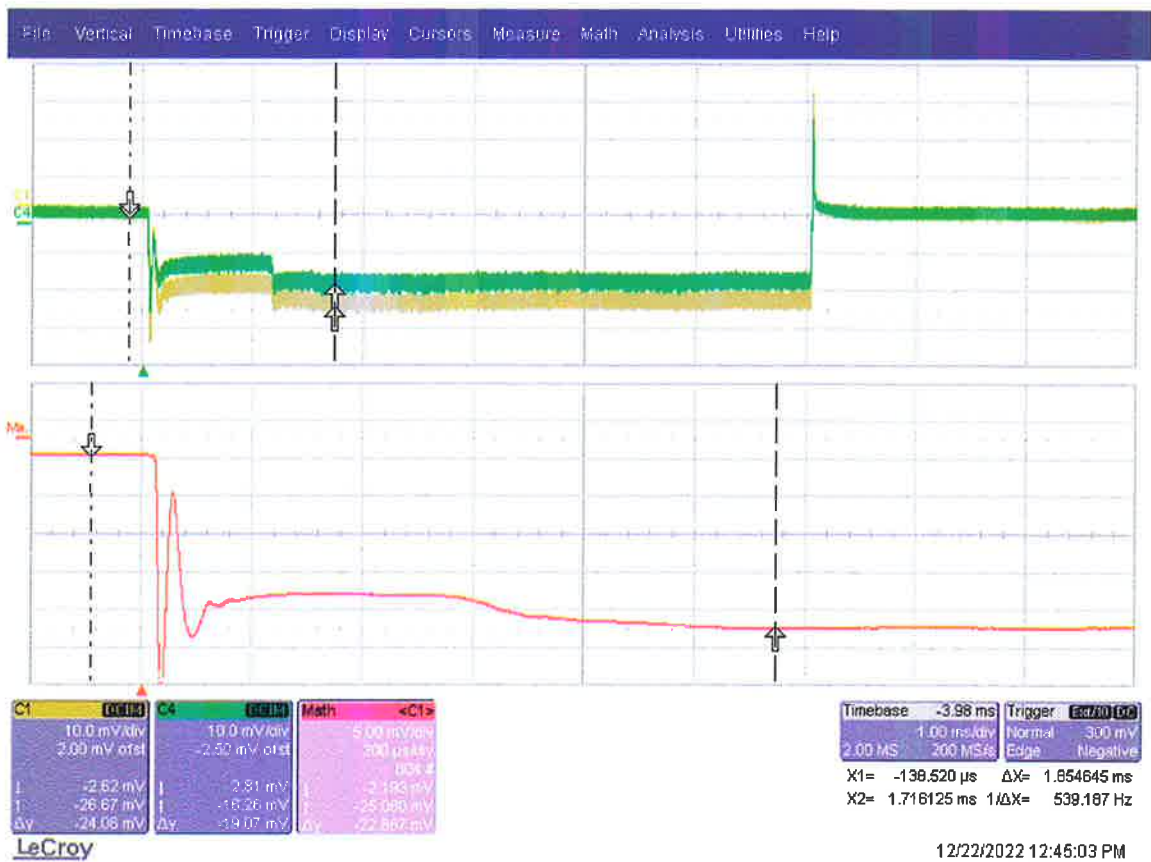
$\Delta Y/\Delta X = 0$        $\Delta Y \cdot \Delta X = 0 \text{ V}^2$   
 0 dB      Angle =  $0^\circ$   
 Radius = 0 V

F2	<F3>	F3 script(C3,C2)	XY	X: C2 Y: C3
2.00/div	2.00/div	2.00/div		200 mV/div
1.00 ms/div	1.00 ms/div	1.00 ms/div		200 mV/div
299 #				

Tbase -3.98 ms      Trigger **Ext/10** **DC**  
 1.00 ms/div      Normal 130 mV  
 100 kS      10 MS/s      Edge Negative  
 X1= -1.0200 ms

LeCroy

12/22/2022 12:45:01 PM



12/22/2022 12:45:03 PM



22-Dec-22  
12:45:08

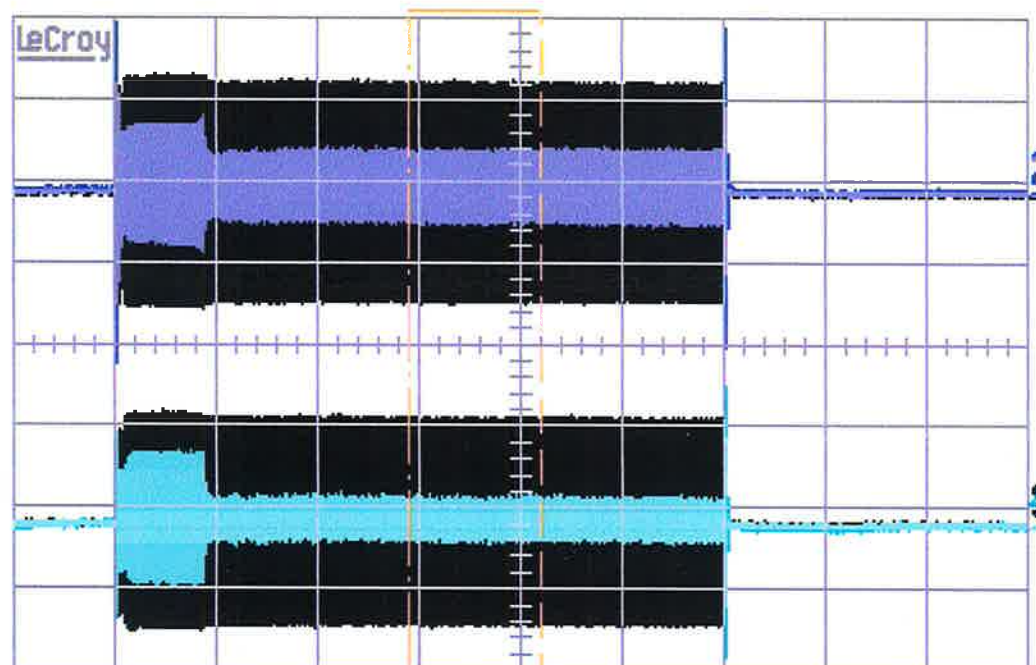
1  
1 ms  
0.50 V

3  
1 ms  
0.50 V

4  
1 ms  
200 mV

2  
1 ms  
200 mV

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



480 sweeps:    average    low    high    sigma  
rms(1)           469.1mV    465.6    471.7    1.3  
rms(2)           62.3mV    60.7    63.6    0.6  
rms(3)           443.2mV    439.6    445.5    1.4  
rms(4)           35.3mV    33.0    37.3    0.8  
phase(1,3)       76 °       71       83       2



Ext10 DC 0.50 V 50Ω

CHANNEL 3

Trace  
OFF ☒ On

Coupling

ZOOM

FIND

Gain  
Fixed ☒ variable

Offsets in  
Volts  
Divisions ☒

Grids  
Single ☒ Dual  
Quad Octal

10 MS/s

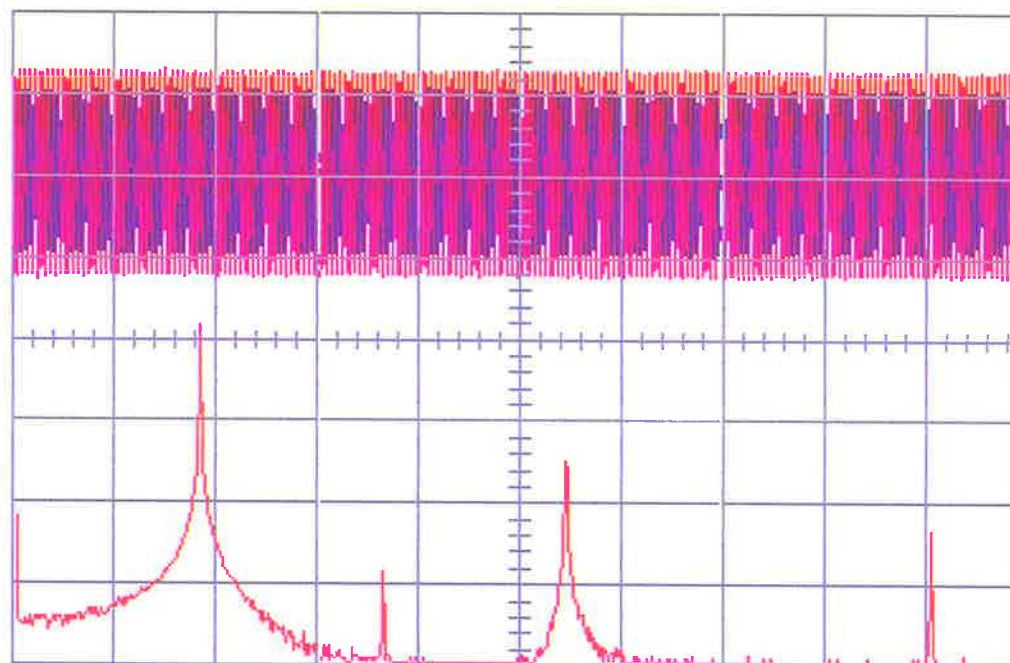
☐ NORMAL

22-Dec-22  
12:45:17

3  
10  $\mu$ s  
2.00 V

10  $\mu$ s  
2.00 V

B: Average(A)  
1 MHz  
=15.0 dBm==



← 1.900 ms

	3 sweeps:	average	low	high	sigma
phase(4,3)		96.25 °	91.01	101.26	1.82
pkpk(3)		5.13 V	5.06	5.19	0.06
rms(2)		39.8mV	39.1	40.4	0.6
rms(4)		1.284 V	1.275	1.289	0.008
rms(3)		1.585 V	1.582	1.589	0.003

10  $\mu$ s

1 1 V DC  
2 .1 V DC  
3 2 V DC  
4 2 V DC



Ext10 DC 0.15 V 50 $\Omega$

CHANNEL 4

Trace  
OFF ☒ On

Coupling

ZOOM

FIND

Gain  
Fixed ☒  
variable

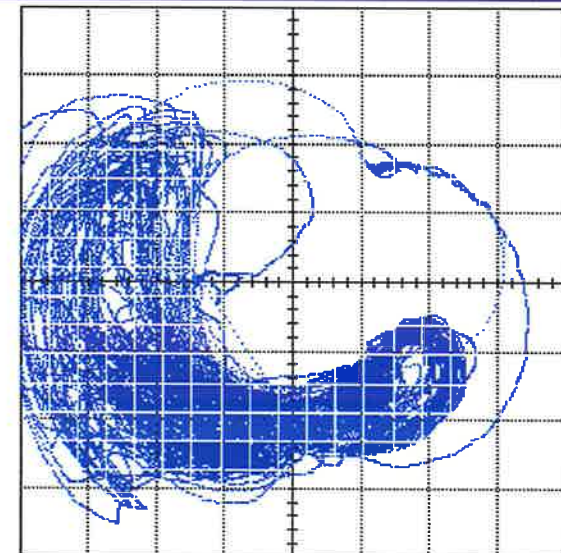
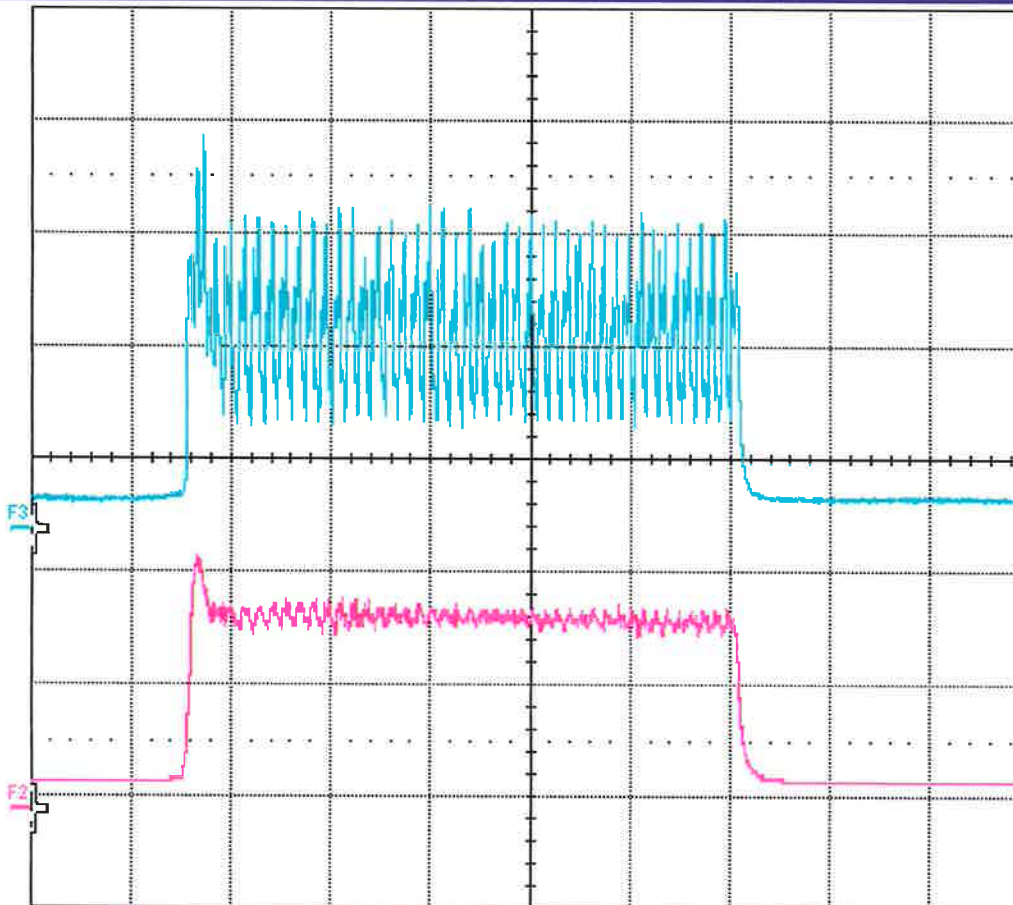
Offsets in  
Volts  
Divisions

Grids  
Single Dual  
Quad Octal

1 GS/s

DISPLAY ☐ NORMAL

File Vertical Timebase Trigger Display Cursors Measure Math Analysis Utilities Help



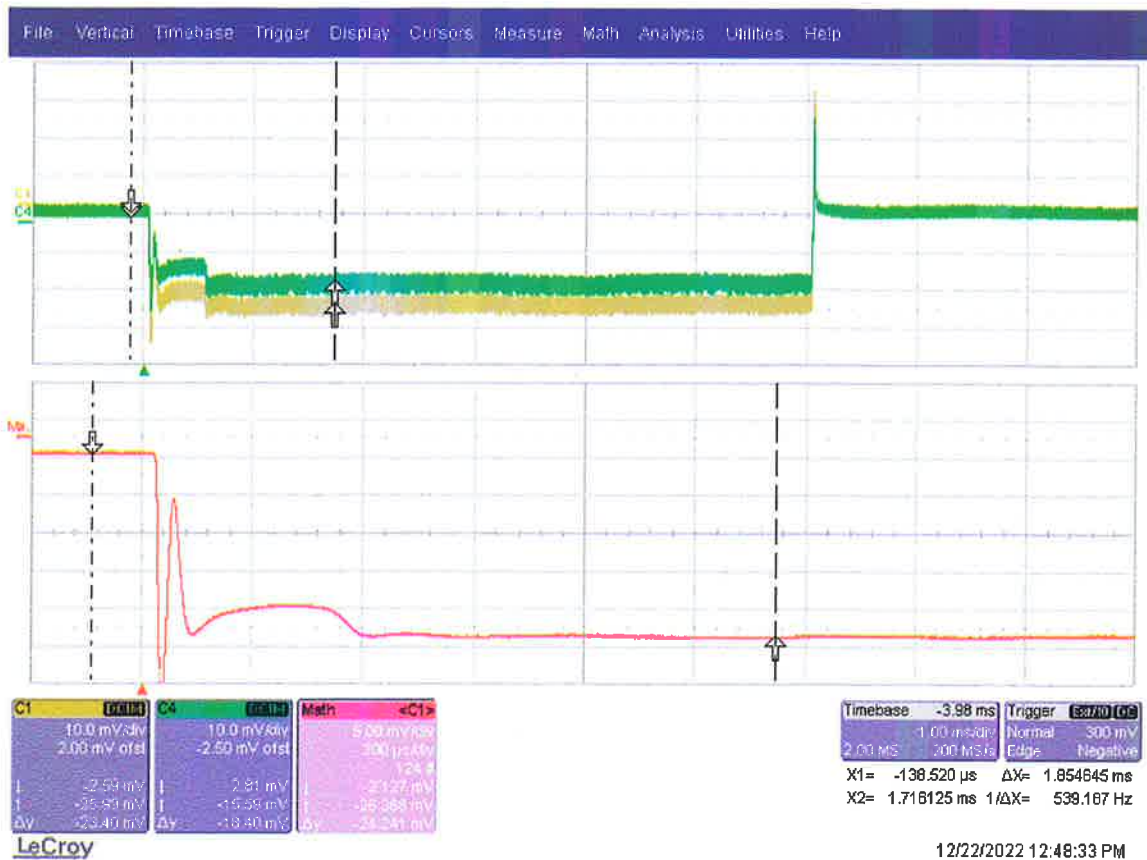
$\Delta Y/\Delta X = 0$   $\Delta Y^* \Delta X = 0 \text{ V}^2$   
 0 dB Angle =  $0^\circ$   
 Radius = 0 V

F2	<F3>	F3 script(C3,C2)	XY	X:C2 Y:C3
2.00/div	2.00/div	2.00/div		200 mV/div
1.00 ms/div	1.00 ms/div	1.00 ms/div		200 mV/div
62 #				

Tbase -3.98 ms Trigger Ext/10 DC  
 1.00 ms/div Normal 130 mV  
 100 kS 10 MS/s Edge Negative  
 X1= -1.0200 ms

LeCroy

12/22/2022 12:48:31 PM



12/22/2022 12:48:33 PM



22-Dec-22

12:48:41

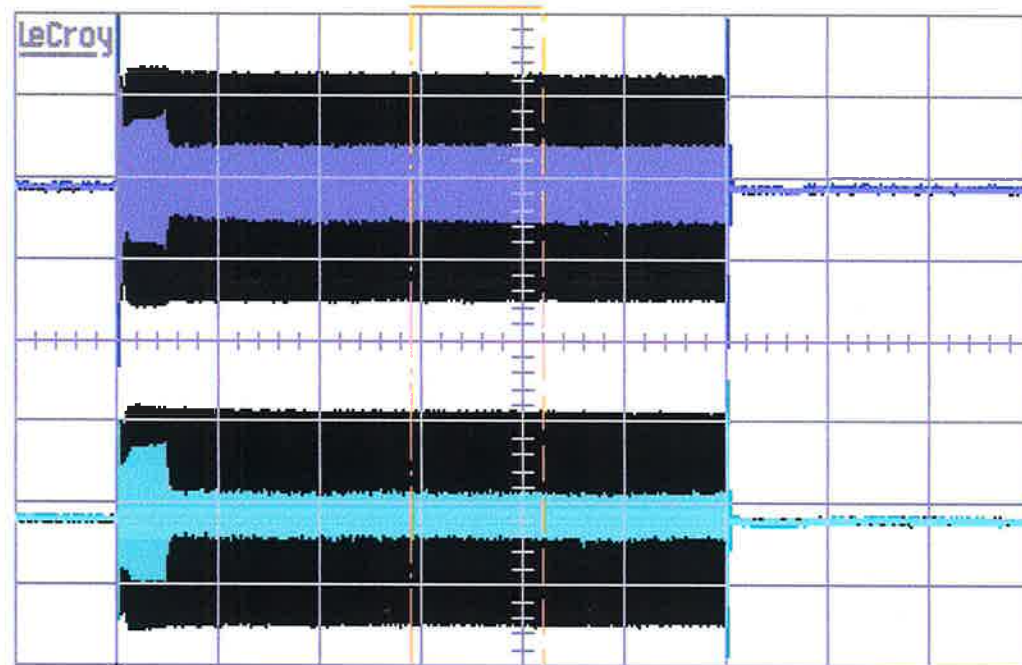
1  
1 ms  
0.50 V

3  
1 ms  
0.50 V

4  
1 ms  
200 mV

2  
1 ms  
200 mV

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



125 sweeps: average low high sigma  
rms(1) 481.4mV 479.8 482.4 0.7  
rms(2) 63.6mV 63.0 64.3 0.3  
rms(3) 452.3mV 451.0 453.1 0.6  
rms(4) 33.4mV 32.3 34.6 0.5  
phase(1,3) 75 ° 71 81 1



Ext10 DC 0.50 V 50Ω

CHANNEL 3

Trace  
OFF **On**

Coupling

ZOOM

FIND

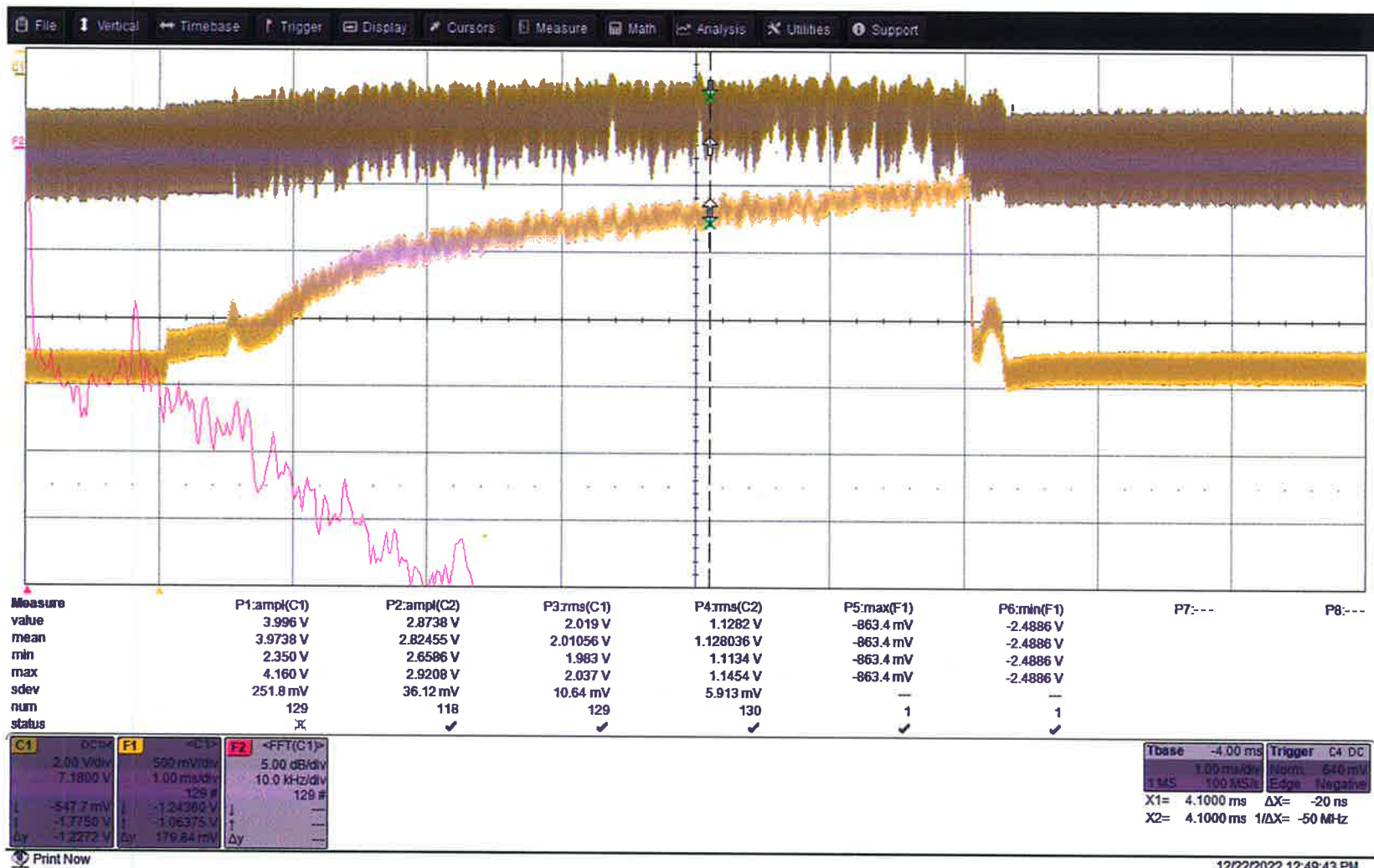
Gain  
**Fixed**  
variable

Offsets in  
Volts  
**Divisions**

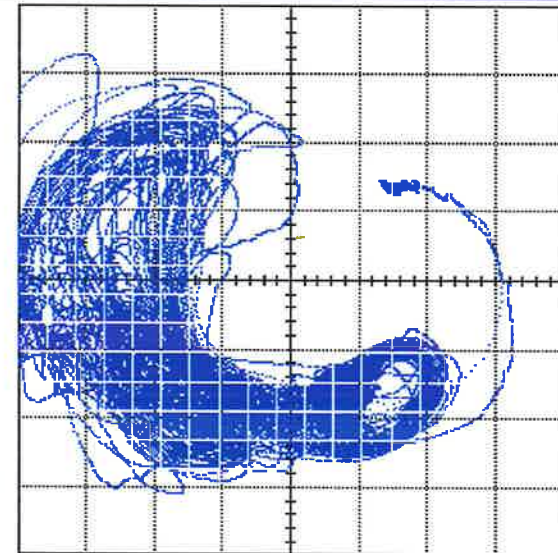
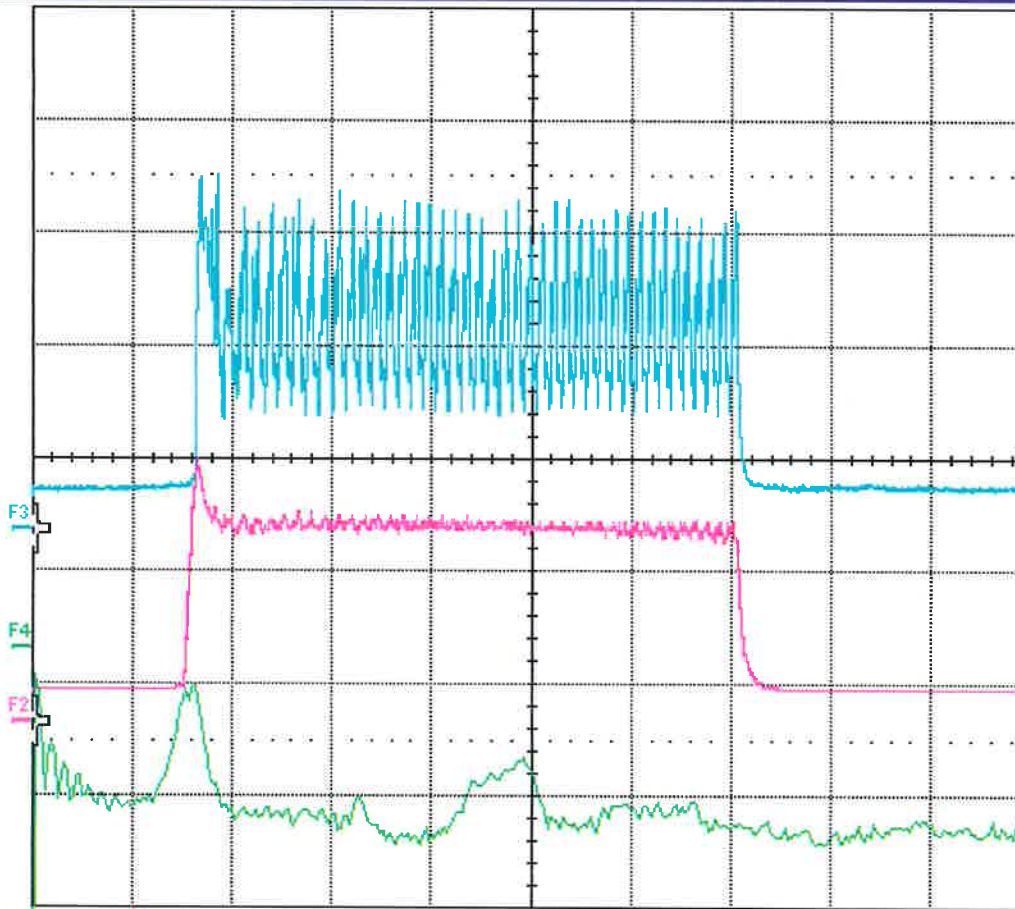
Grids  
**Single** Dual  
Quad Octal

10 MS/s

☐ NORMAL



File Vertical Timebase Trigger Display Cursors Measure Math Analysis Utilities Help



$\Delta Y/\Delta X = 0$   $\Delta Y^* \Delta X = 0 \text{ V}^2$   
 0 dB Angle = 0°  
 Radius = 0 V

F2	<F3>	F3 script(C3,C2)	F4 <FFT(C2)>	XY	X: C2 Y: C3
2.00/div	2.00/div	2.00/div	20.0 dB/div	200 mV/div	200 mV/div
1.00 ms/div	1.00 ms/div	1.00 ms/div	5.00 kHz/div	200 mV/div	200 mV/div
134 #			21 #		
				X	Y

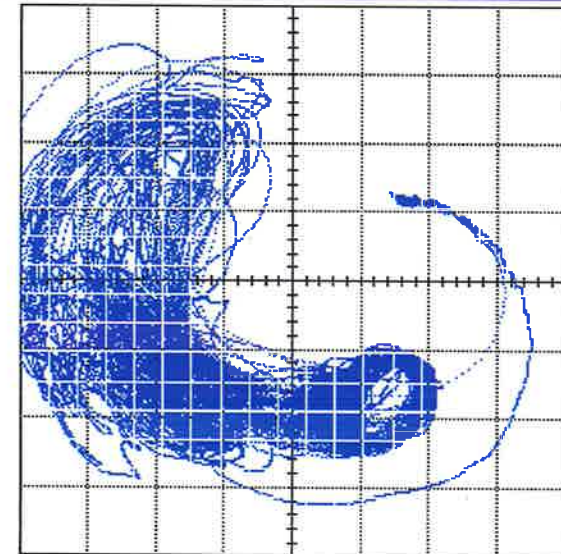
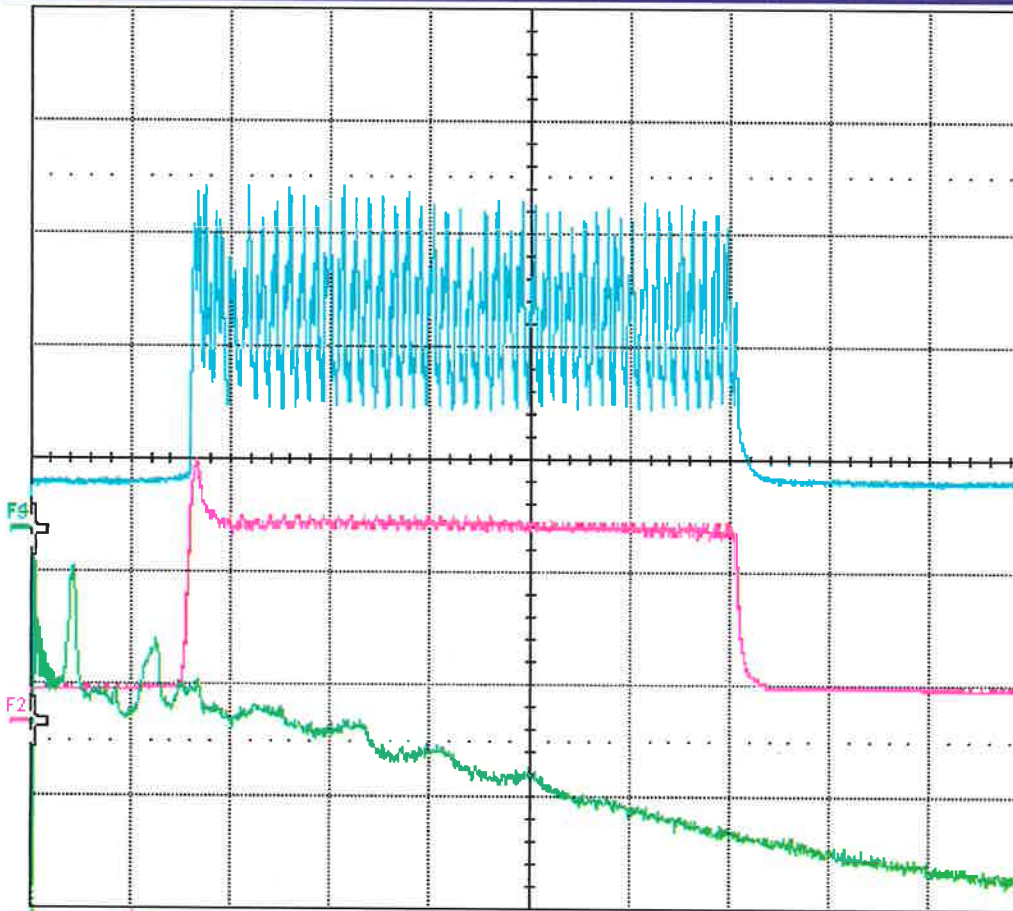
Tbase -3.98 ms Trigger Ext/10 DC  
 1.00 ms/div Normal 130 mV  
 100 kS 10 MS/s Edge Negative  
 X1= -1.0200 ms

LeCroy

Processing ...



File Vertical Timebase Trigger Display Cursors Measure Math Analysis Utilities Help



$\Delta Y/\Delta X = 0$   $\Delta Y \cdot \Delta X = 0 V^2$   
 0 dB Angle = 0°  
 Radius = 0 V

<b>F2</b> <F3> 2.00/div 1.00 ms/div 171 #	<b>F3</b> script(C3,C2) 2.00/div 1.00 ms/div	<b>F4</b> <FFT(C2)> 20.0 dB/div 20.0 kHz/div 58 #	<b>XY</b> X:C2 Y:C3 200 mV/div 200 mV/div
--	--	--	---

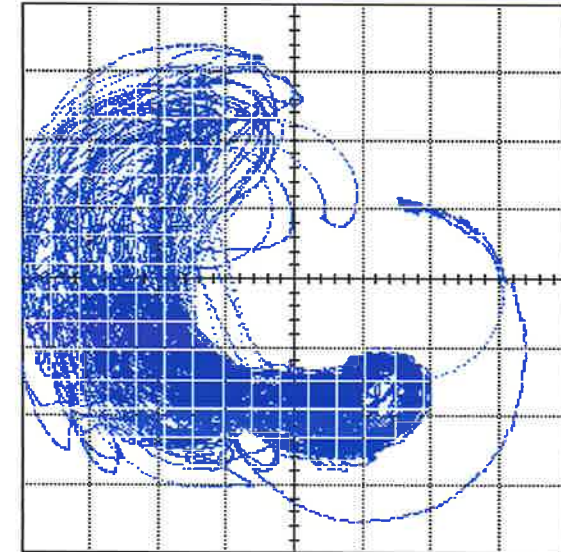
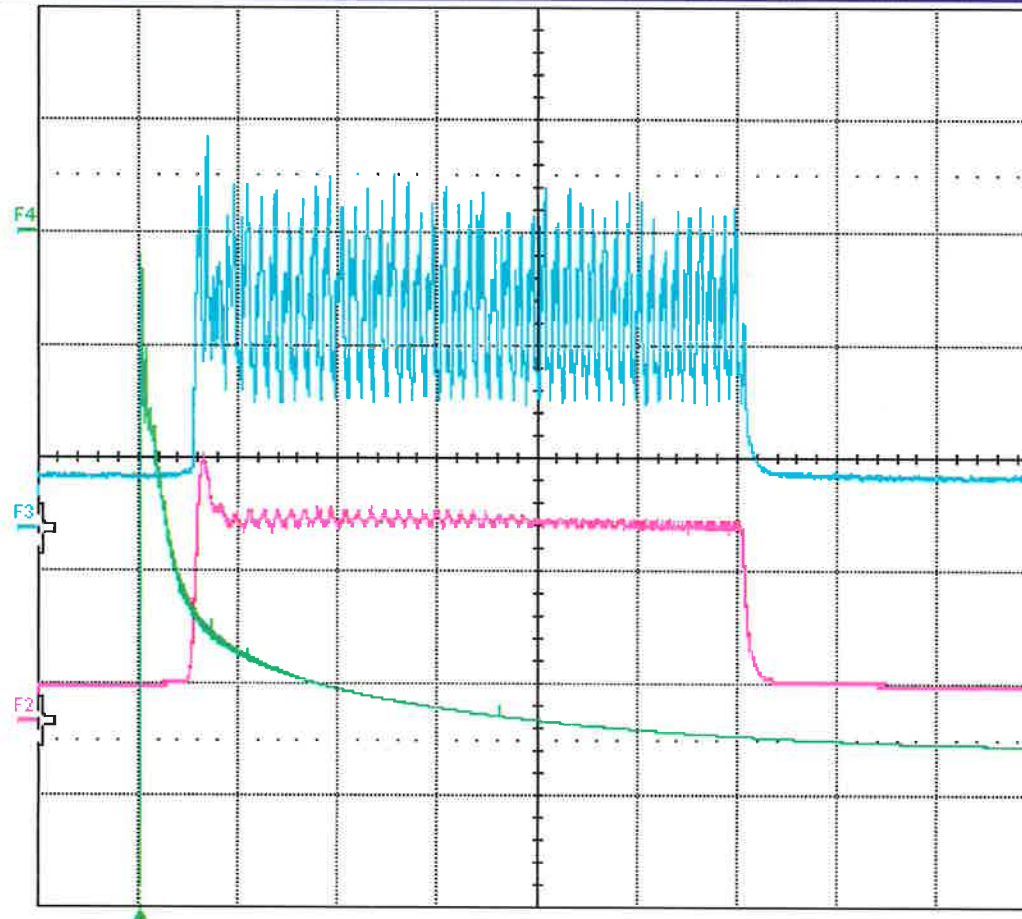
Tbase -3.98 ms	Trigger Ext/10 DC
1.00 ms/div	Normal 130 mV
100 kS	Edge Negative
10 MS/s	
X1= -1.0200 ms	

LeCroy

Processing ...



File Vertical Timebase Trigger Display Cursors Measure Math Analysis Utilities Help



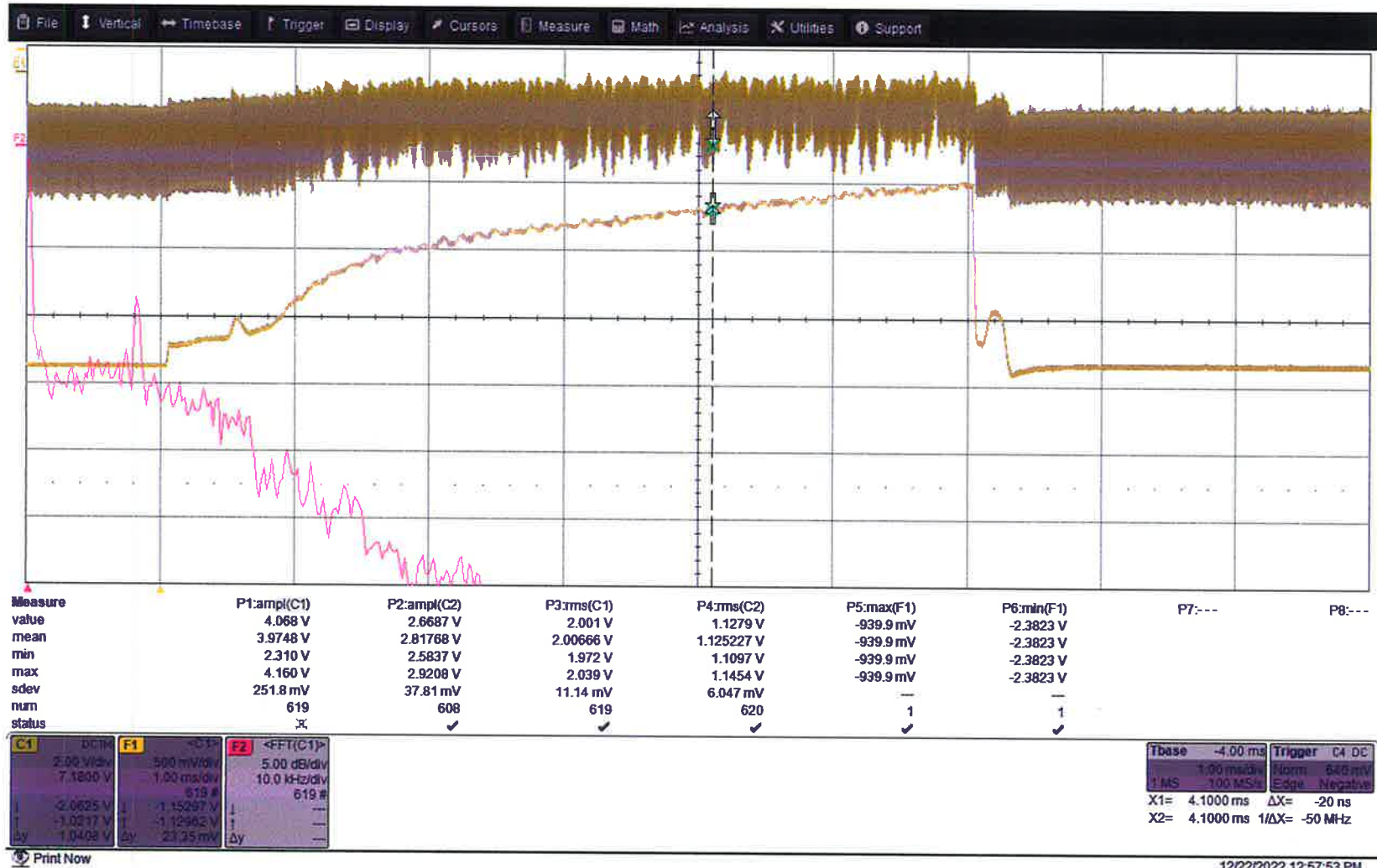
$\Delta Y/\Delta X = 0$   $\Delta Y^2/\Delta X^2 = 0 \text{ V}^2$   
 Radius = 0 dB Angle = 0°

F2	<F3>	F3	script(C3,C2)	F4	<FFT(C2)>	XY	X:C2 Y:C3
2.00/div	2.00/div	2.00/div	2.00/div	20.0 dB/div	200 mV/div	200 mV/div	200 mV/div
1.00 ms/div	1.00 ms/div	1.00 ms/div	1.00 ms/div	500 kHz/div	200 mV/div	200 mV/div	200 mV/div
211 #				98 #			

Tbase -3.98 ms Trigger Ext/10 DC  
 1.00 ms/div Normal 130 mV  
 100 kS 10 MS/s Edge Negative  
 X1= -1.0200 ms

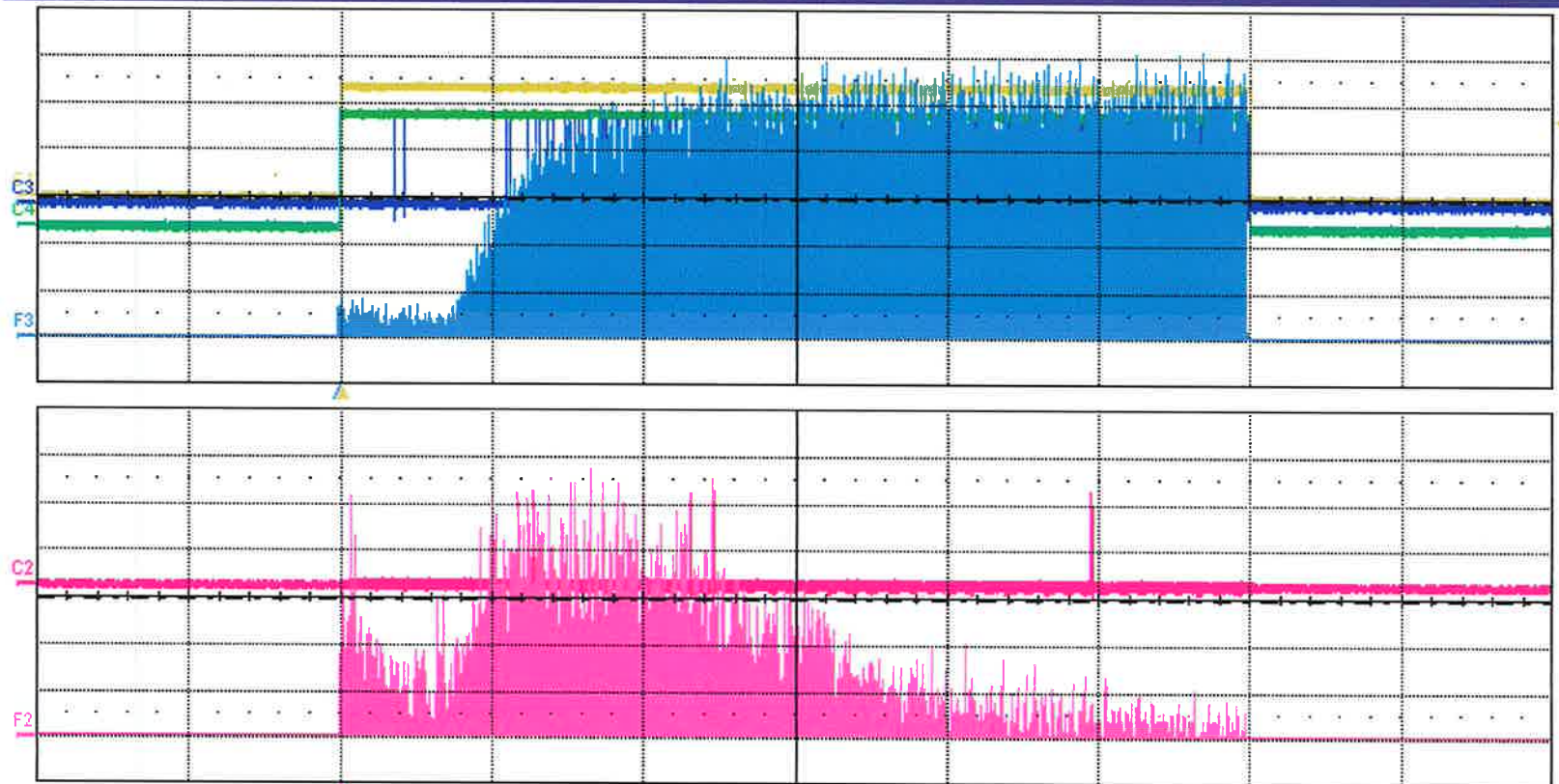
LeCroy

Processing ...



12/22/2022 12:57:53 PM

File Vertical Timebase Trigger Display Cursors Measure Math Analysis Utilities Help



Measure  
value  
status

P1:mean(C1)  
2.774 V

P2:sdev(C1)  
2.288 V

P3:mean(C1)  
2.774 V

P4:sdev(C1)  
2.288 V

P5:ampl(C2)  
4.54 V

P6:freq(C2)  
—

P7:---

P8:---

C1 2.00 V  
0 mV  
--- -20 mV

C2 2.00 V  
500 mV  
--- -520 mV

C3 2.00 V/div  
-300 mV ofst  
--- 280 mV

C4 2.00 V  
-1.30 V  
--- 1.28 V

F2 perhis...  
50.0 #  
1.0 ms  
55.5 k#  
--- 149.5 #

F3 perhist(C3)  
200 #/div  
1.00 ms/div  
493.149 k#  
--- 598 #

Tbase -3.00 ms  
1.00 ms/div  
1.00 MS 100 MS/s

Trigger C1 DC  
Stop 3.34 V  
Edge Positive

TELEDYNE LECROY

12/22/2022 12:51:15 PM