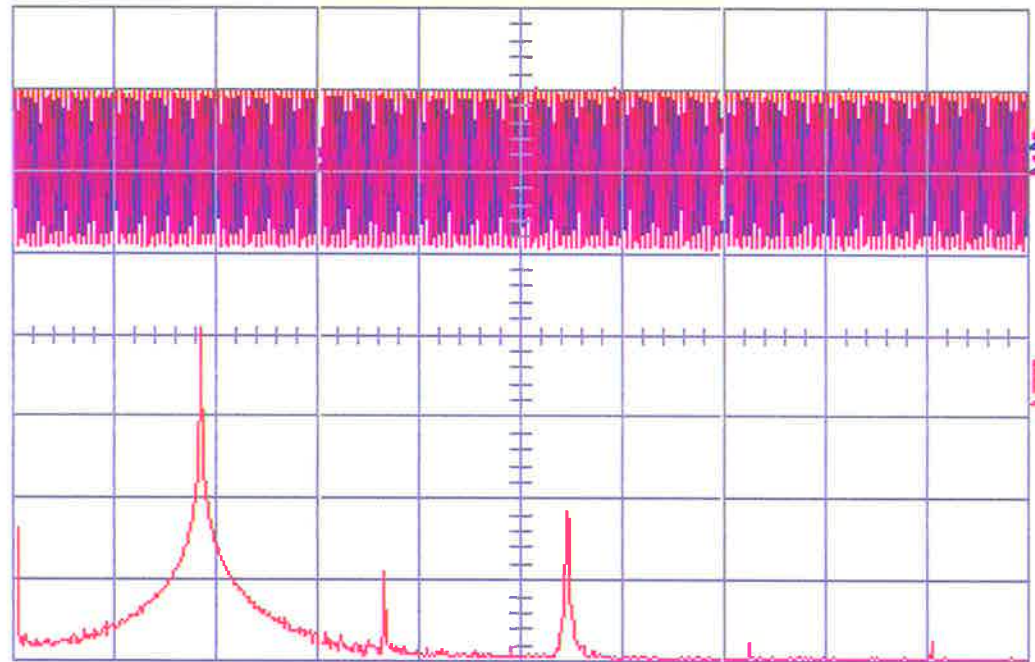


4-Jan-23
11:43:34

3
10 μ s
2.00 V

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



← 1.900 ms

	6 sweeps:	average	low	high	sigma
phase(4,3)		94.60 °	89.53	99.34	1.79
pkpk(3)		3.97 V	3.94	4.00	0.03
rms(2)		35.8mV	35.5	36.4	0.3
rms(4)		1.083 V	1.075	1.096	0.008
rms(3)		1.251 V	1.242	1.268	0.009

10 μ s

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



Ext10 DC 0.15 V 50 Ω

1 GS/s

DISPLAY ☐ NORMAL

4-Jan-23
11:43:37

1
1 ms
0.50 V

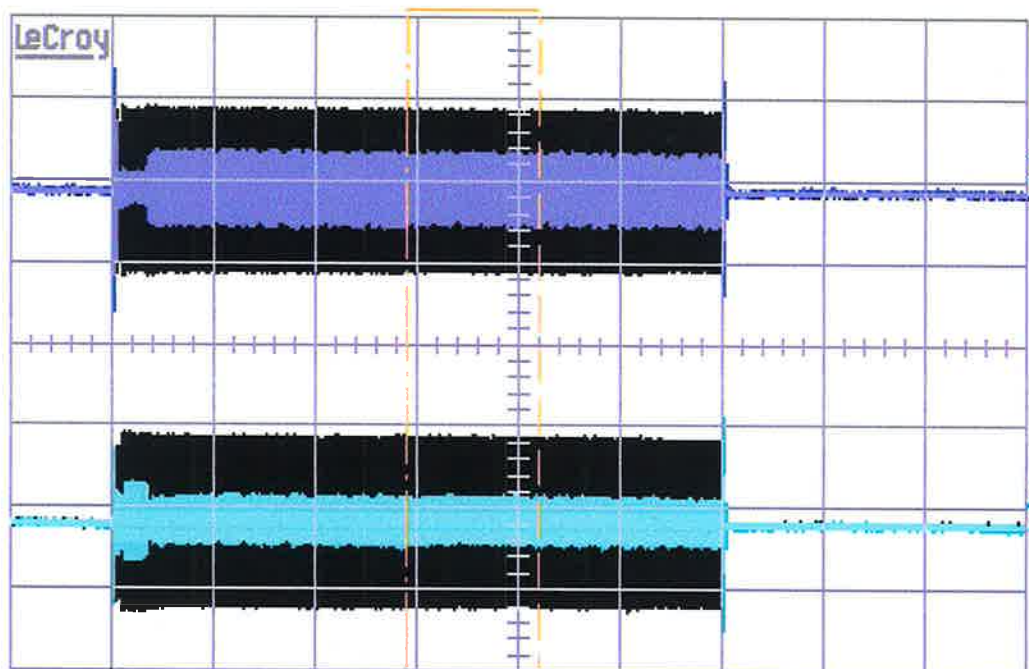
3
1 ms
0.50 V

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



78 sweeps: average low high sigma

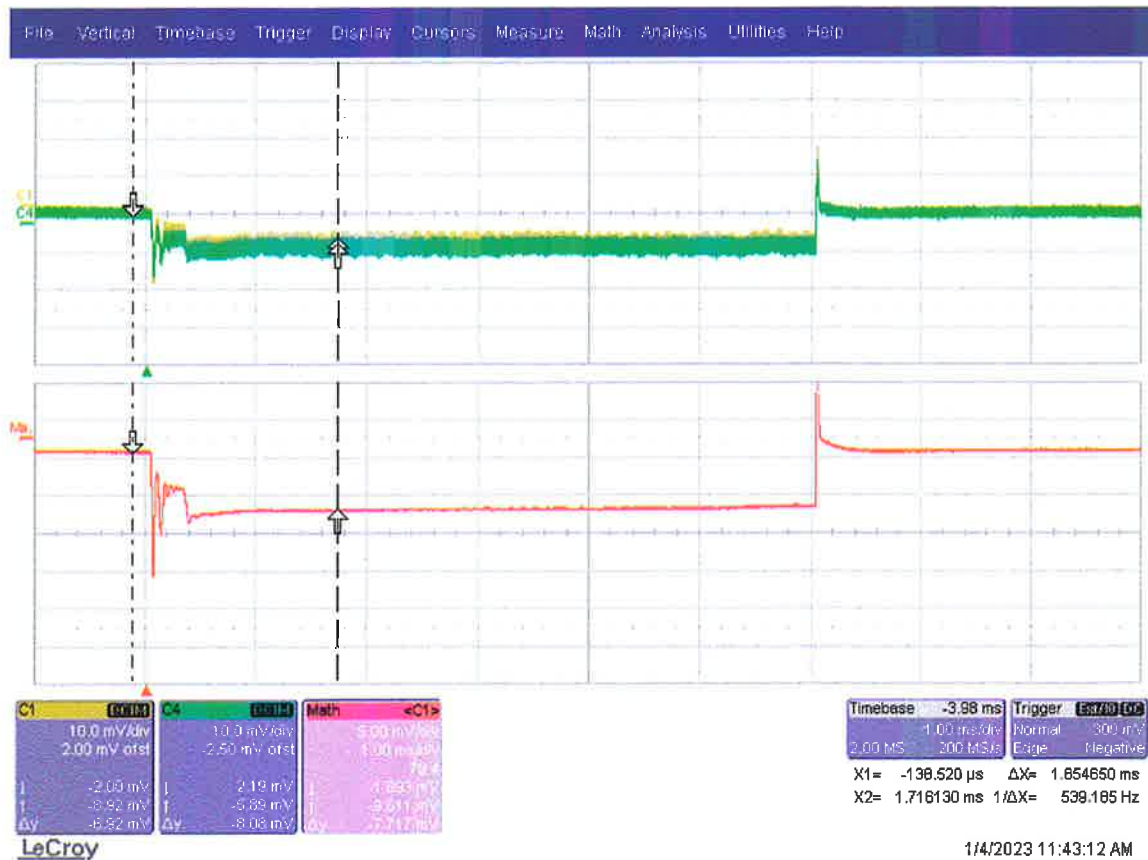
rms(1)	342.4mV	338.6	345.9	2.5
rms(2)	56.9mV	55.6	59.0	0.6
rms(3)	356.3mV	353.3	359.2	2.0
rms(4)	36.4mV	35.5	37.6	0.4
phase(1,3)	81 °	75	87	2



Ext10 DC 0.50 V 50Ω

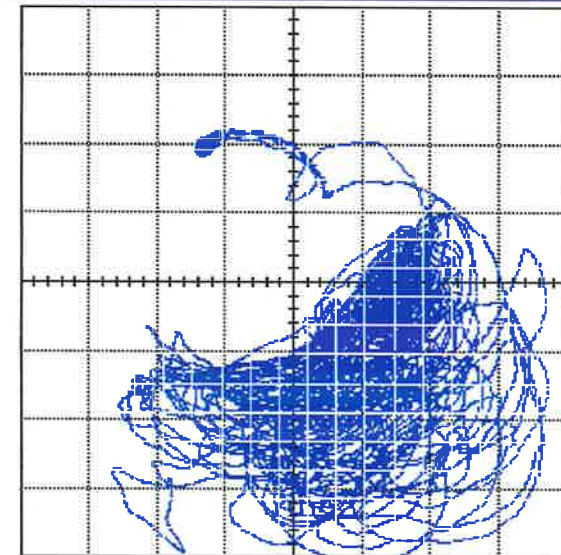
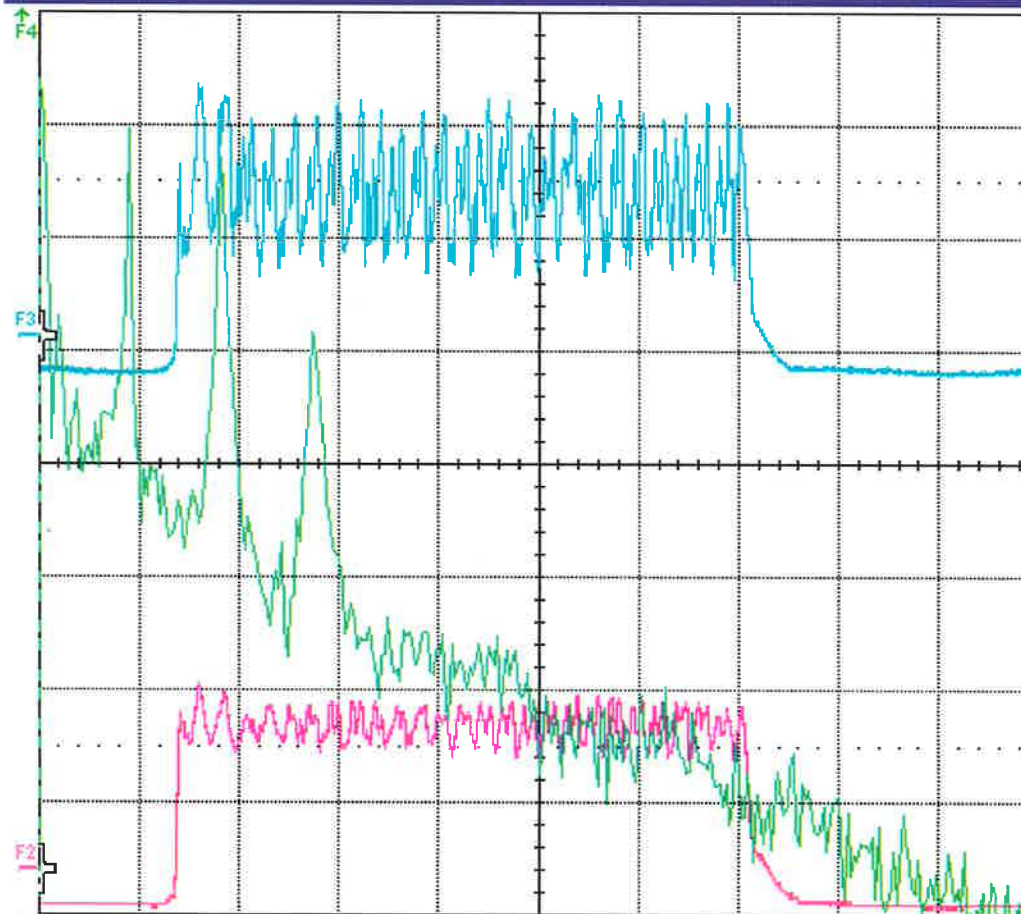
10 MS/s

☐ NORMAL



1/4/2023 11:43:12 AM

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> 2.00/div 1.00 ms/div 17 #	F3 script(C3,C2) 2.00/div 1.00 ms/div	F4 <FFT(C2)> 5.00 dB/div 5.00 kHz/div 17 #	XY X:C2 Y:C3 200 mV/div 200 mV/div
---	--	--	---

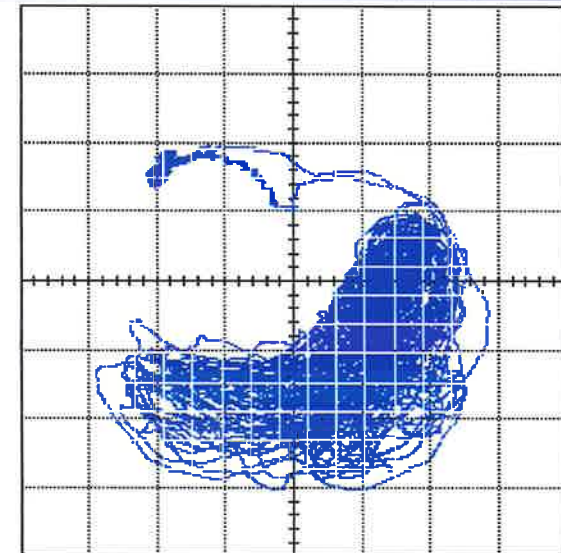
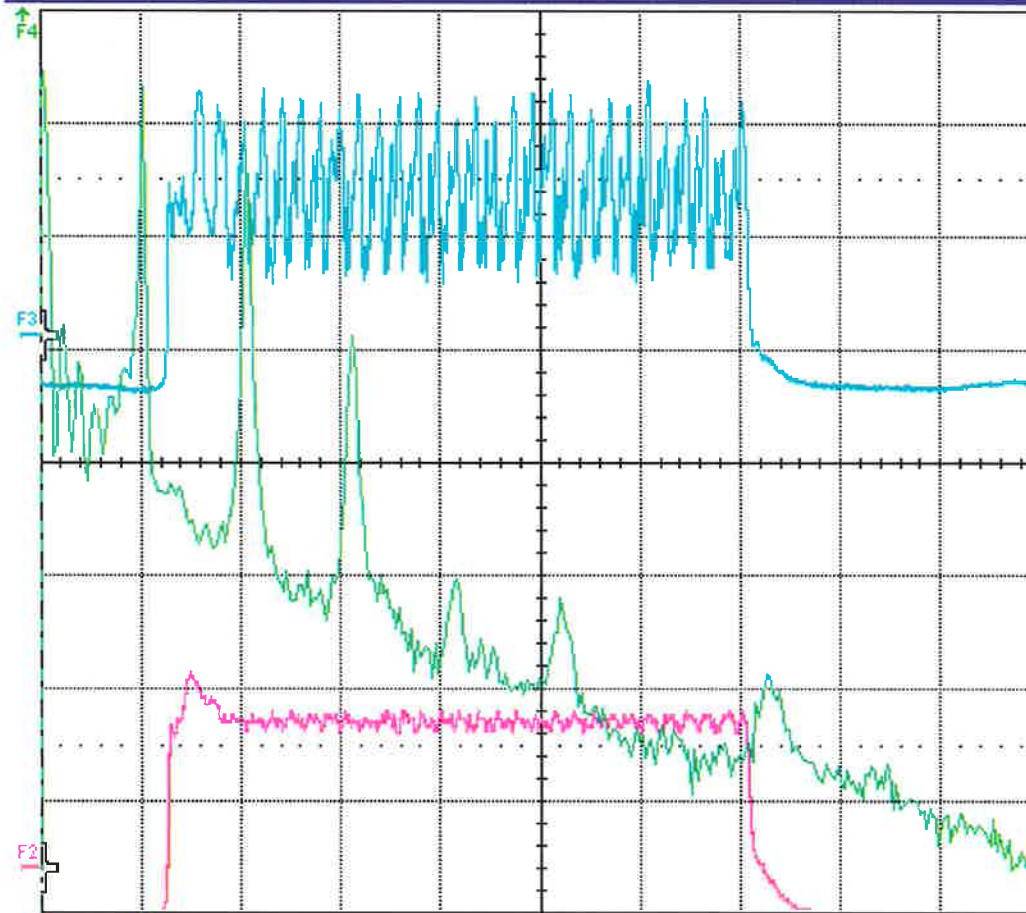
Tbase -3.98 ms Trigger **ENR/10** **DC**
 1.00 ms/div Normal 130 mV
 100 kS 10 MS/s Edge Negative
 X1= -1.0200 ms

LeCroy

1/4/2023 11:43:28 AM

6.5 kW

File Vertical Timebase Trigger Display Cursors Measure Math Analysis Utilities Help



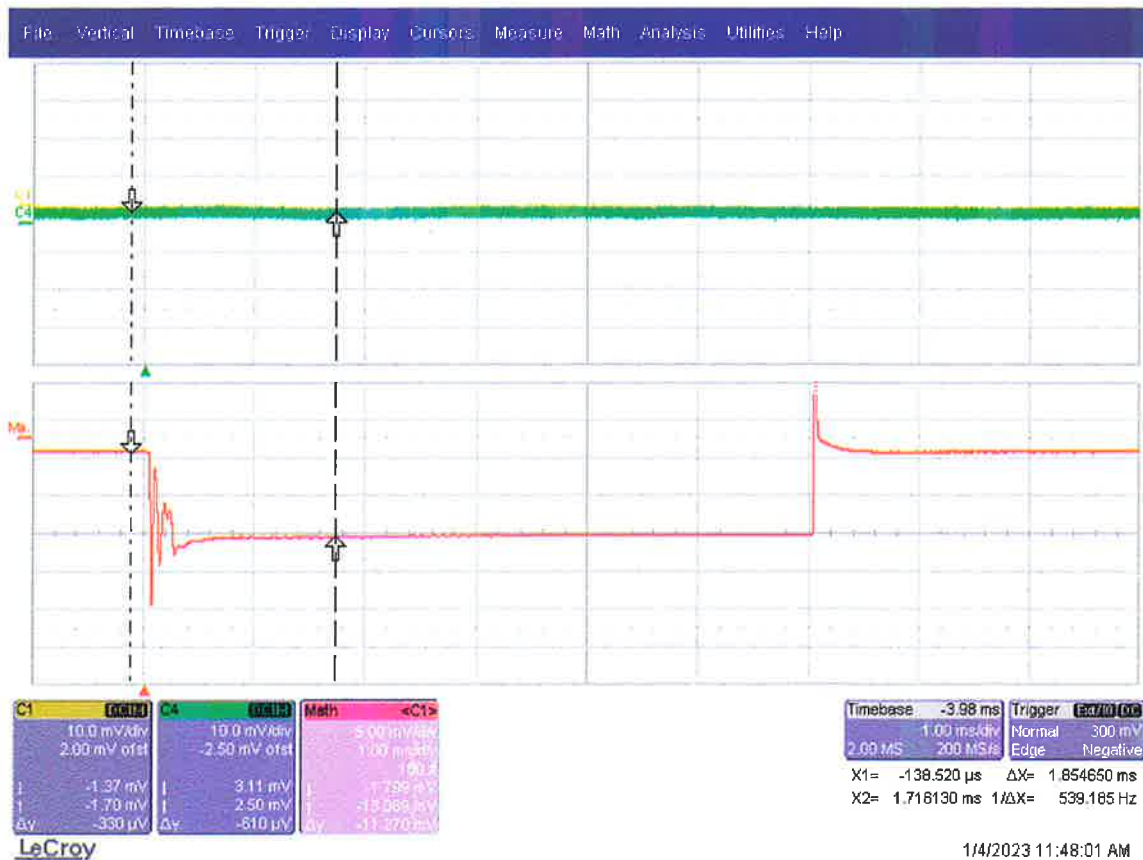
$\Delta Y/\Delta X = 0$ $\Delta Y^2/\Delta X = 0 \text{ V}^2$
 0 dB Angle = 0°
 Radius = 0 V

F2	<F3>	F3	script(C3,C2)	F4	<FFT(C2)>	XY	X:C2 Y:C3
2.00/div	2.00/div	2.00/div	2.00/div	5.00 dB/div	5.00 kHz/div	200 mV/div	200 mV/div
1.00 ms/div	1.00 ms/div	1.00 ms/div	1.00 ms/div	5.00 kHz/div	5.00 kHz/div	200 mV/div	200 mV/div
95 #				95 #			
+	+	+	+	+	+	+	+

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...



1/4/2023 11:48:01 AM

4-Jan-23
11:52:08

1
1 ms
0.50 V

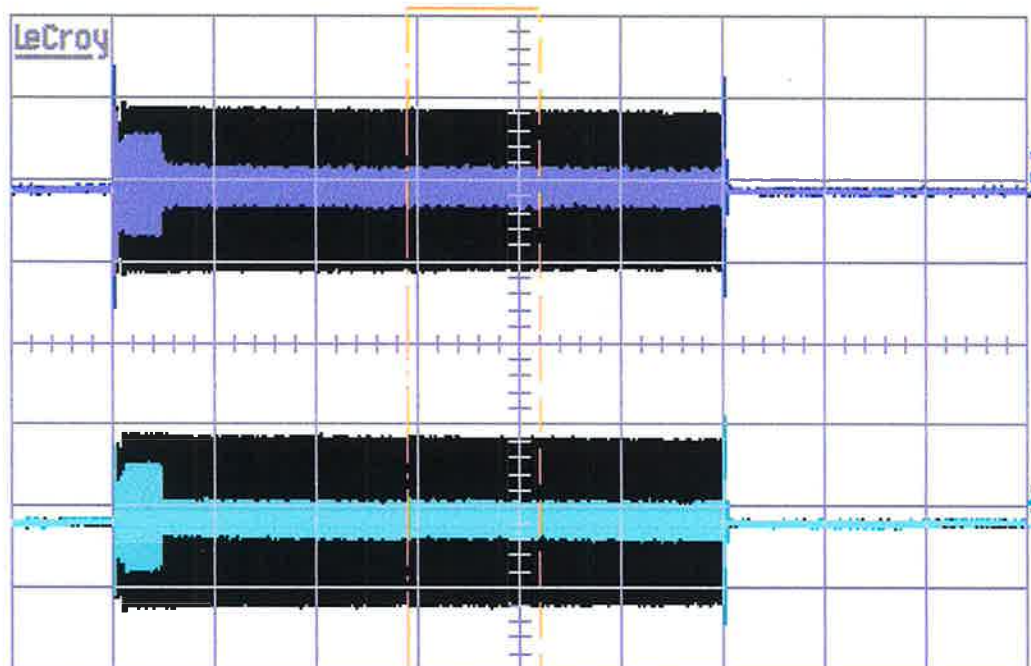
3
1 ms
0.50 V

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



451 sweeps:

	average	low	high	sigma
rms(1)	225.4mV	9.9	399.8	184.9
rms(2)	25.1mV	4.2	73.6	17.6
rms(3)	227.9mV	8.9	400.3	187.2
rms(4)	21.1mV	4.2	80.5	15.1
phase(1,3)	81.8 °	-136.1	96.3	5.9

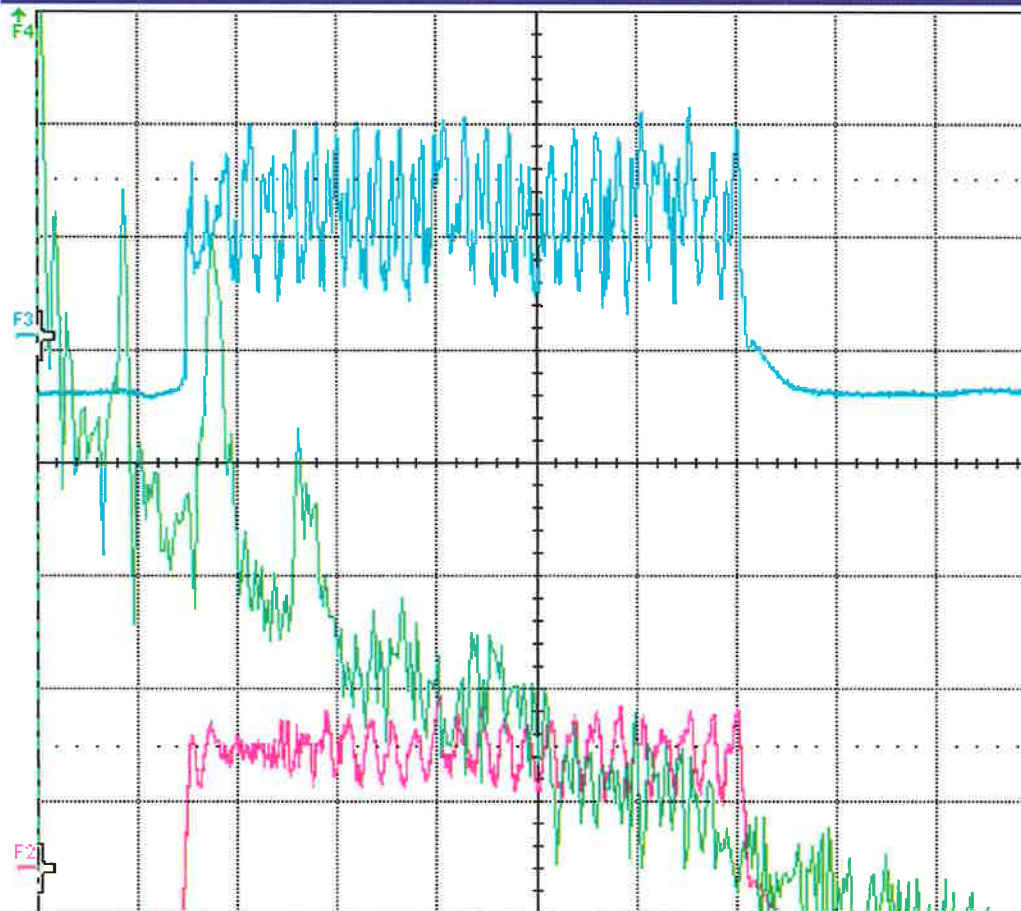


Ext10 DC 0.50 V 50Ω

10 MS/s

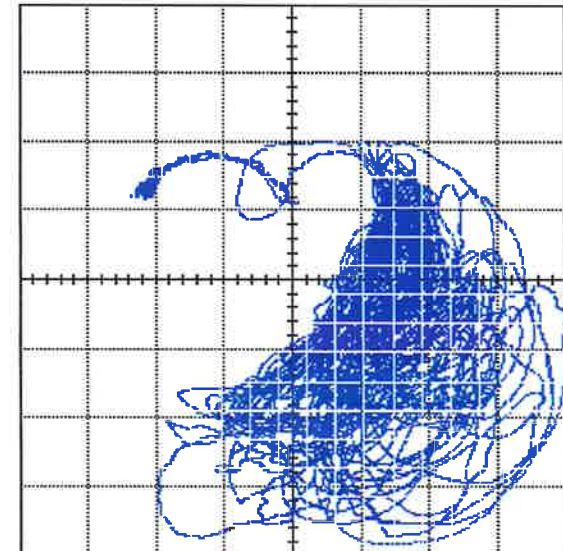
☐ NORMAL

File Vertical Timebase Trigger Display Cursors Measure Math Analysis Utilities Help



F2	<F3>	F3 script(C3,C2)	F4 <FFT(C2)>	XY X:C2 Y:C3
2.00/div	2.00/div	2.00/div	5.00 dB/div	200 mV/div
1.00 ms/div	1.00 ms/div	1.00 ms/div	5.00 kHz/div	200 mV/div
8 #			7 #	
+	+	+	+	+

LeCroy



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

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

Processing ...

4-Jan-23
11:53:19

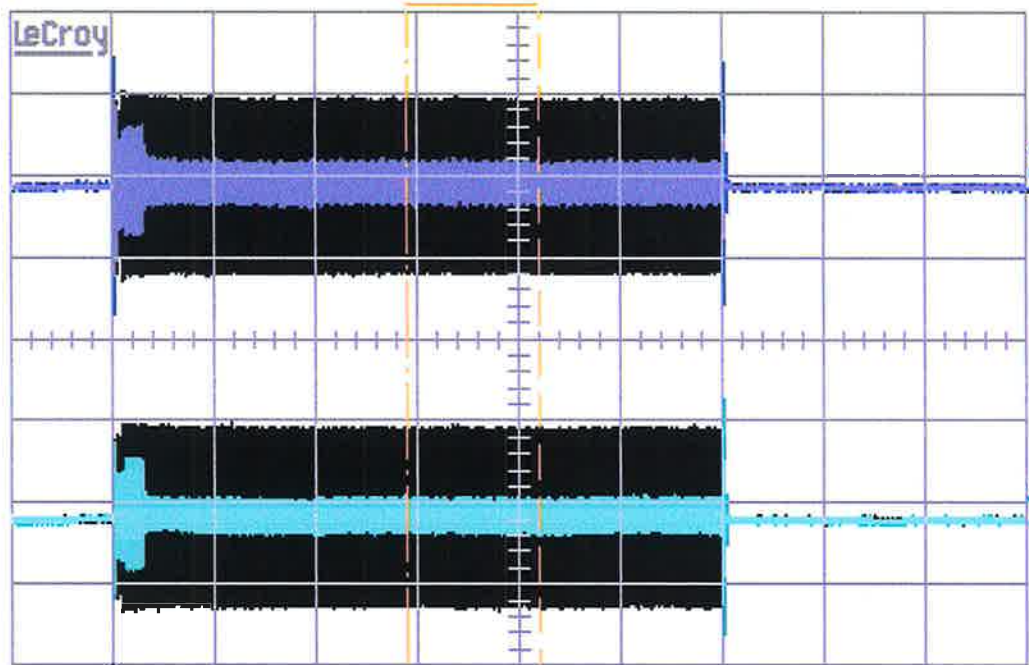
1
1 ms
0.50 V

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



10 sweeps: average low high sigma
rms(1) 370.5mV 370.0 371.2 0.4
rms(2) 37.8mV 37.3 38.4 0.3
rms(3) 375.9mV 375.5 376.5 0.3
rms(4) 30.5mV 29.9 31.2 0.5
phase(1,3) 83 ° 78 88 2

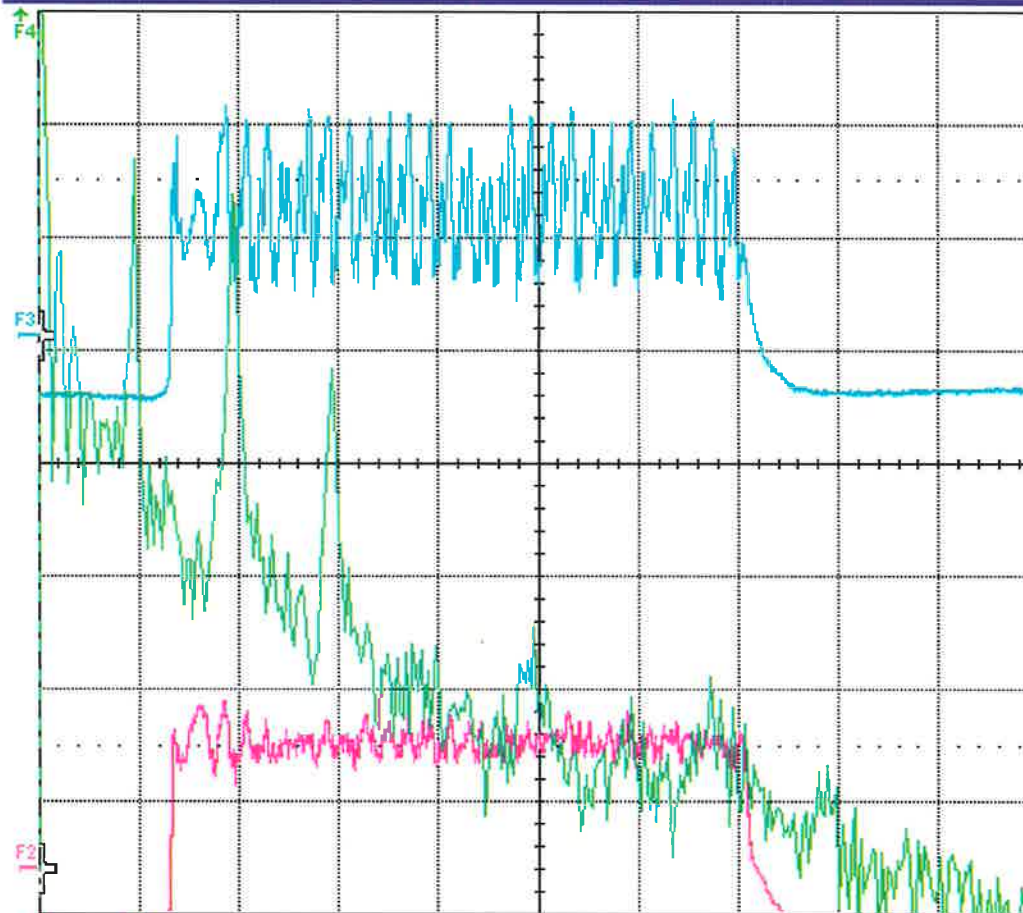


Ext10 DC 0.50 V 50Ω

10 MS/s

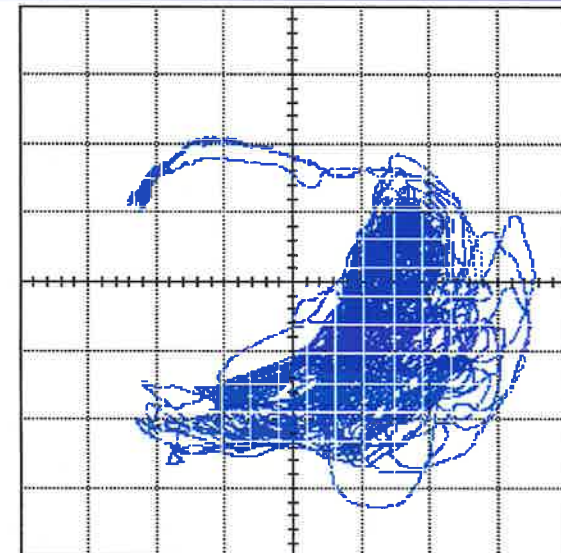
☐ NORMAL

File Vertical Timebase Trigger Display Cursors Measure Math Analysis Utilities Help



F2	<F3>	F3 script(C3,C2)	F4 <FFT(C2)>	XY	XC2 Y/C3
2.00/div	2.00/div	2.00/div	5.00 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
11 #			11 #		
+	+	+	+	+	+

LeCroy



$\Delta Y/\Delta X =$ 0 $\Delta Y^* \Delta X =$ 0 V²
 0 dB Angle = 0 °
 Radius = 0 V

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

Processing ...

4-Jan-23
11:55:01

1
1 ms
0.50 V

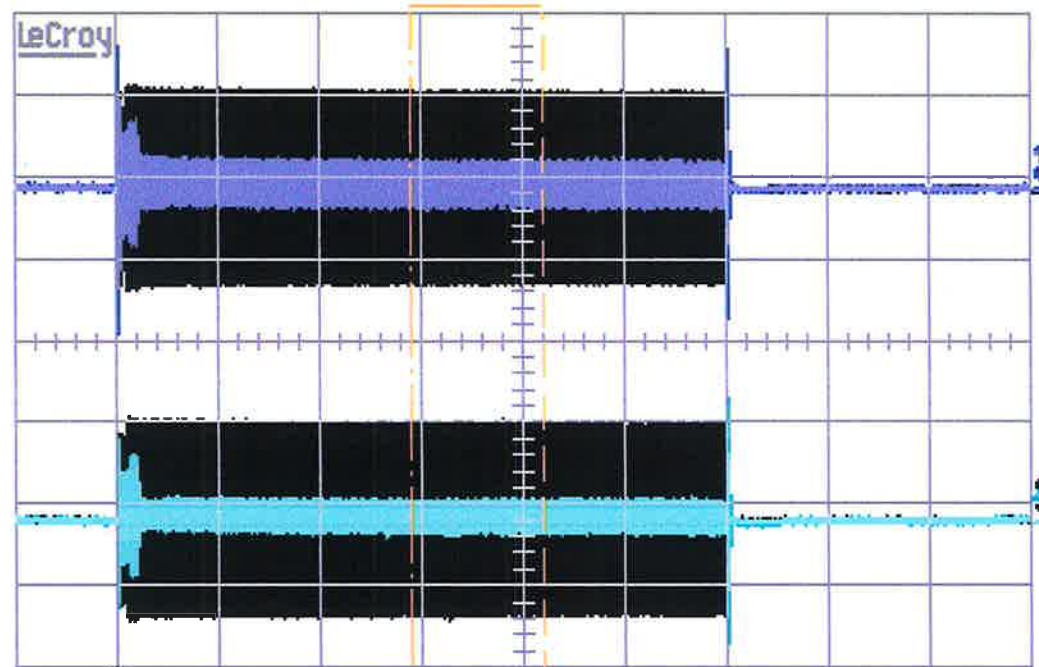
3
1 ms
0.50 V

4
1 ms
200mV

2
1 ms
200mV

1 ms

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



48 sweeps:

	average	low	high	sigma
rms(1)	409.4mV	407.6	411.0	0.7
rms(2)	41.8mV	41.1	42.3	0.3
rms(3)	407.2mV	406.1	408.2	0.5
rms(4)	31.3mV	30.3	31.7	0.3
phase(1,3)	81 °	76	87	2

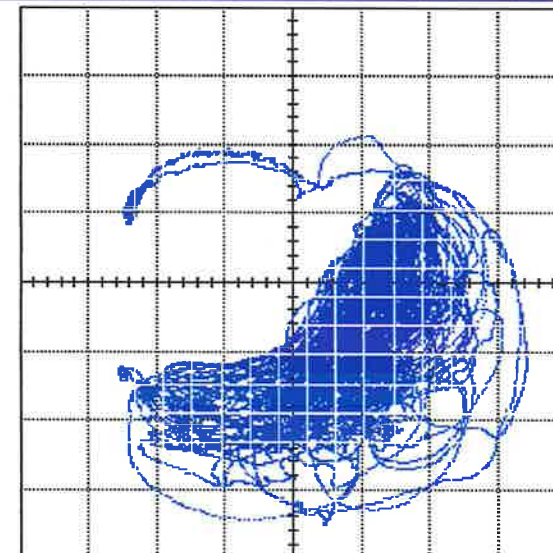
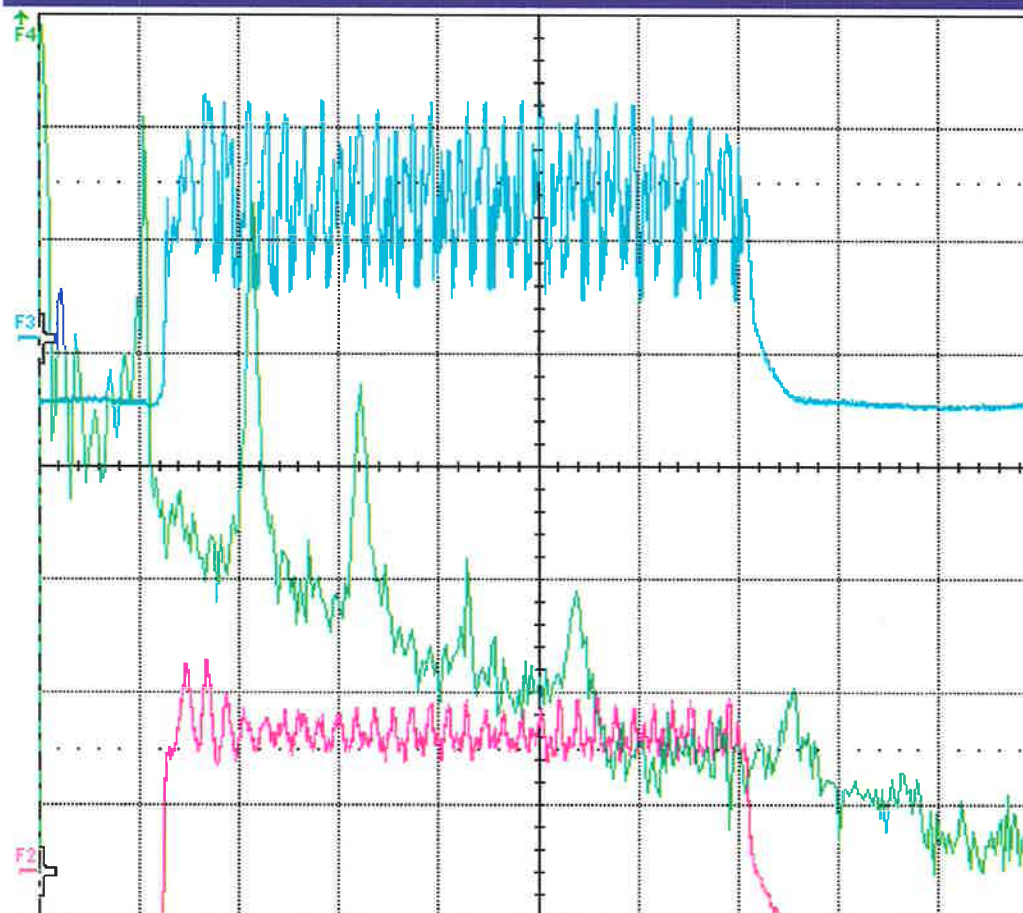


Ext10 DC 0.50 V 50Ω

10 MS/s

☐ NORMAL

File Vertical Timebase Trigger Display Cursors Measure Math Analysis Utilities Help



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

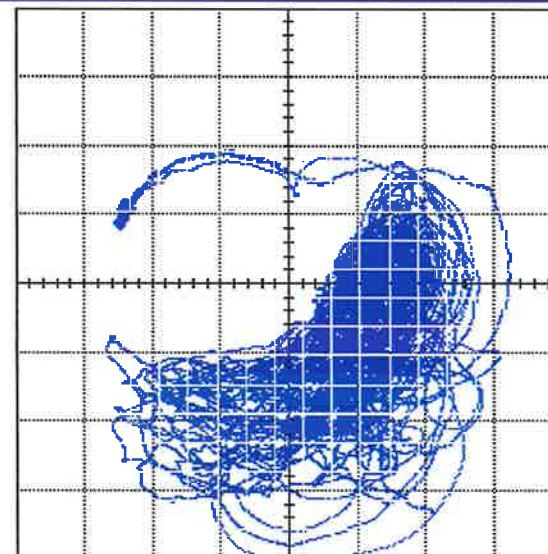
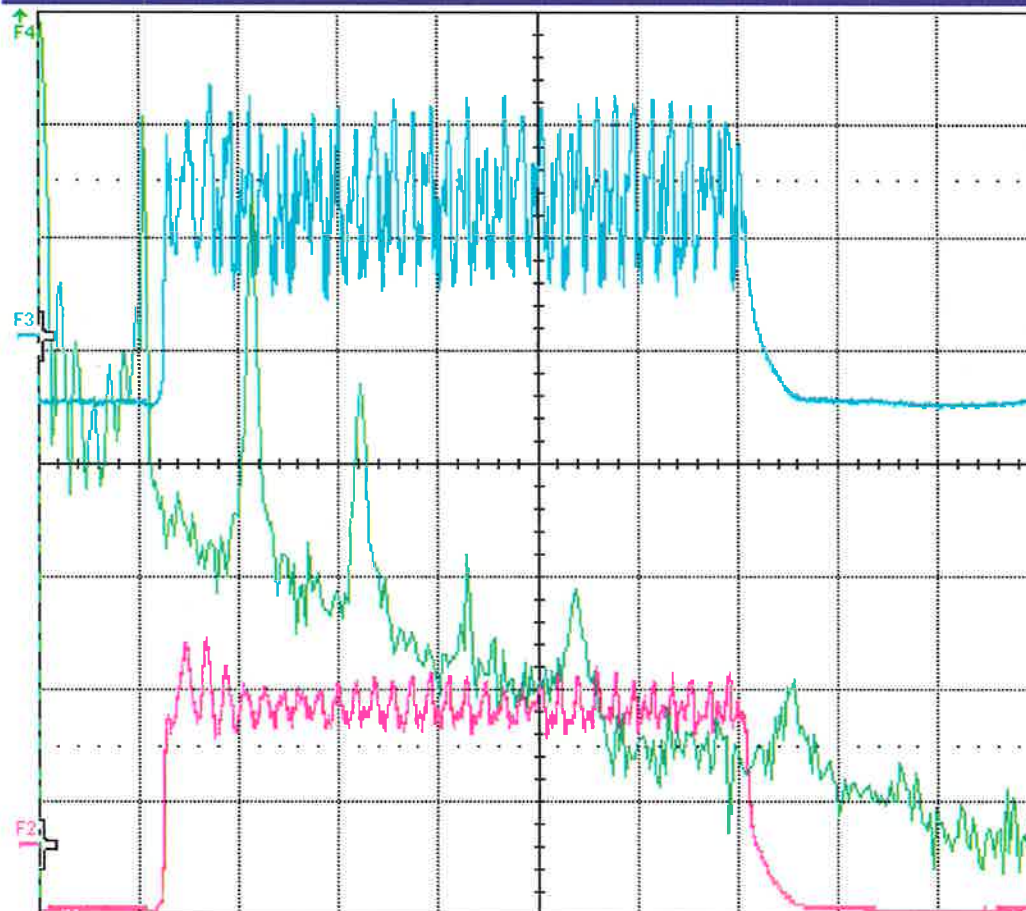
F2	<F3>	F3	script(C3,C2)	F4	<FFT(C2)>	XY	X=C2 Y=C3
2.00/div	2.00/div	2.00/div	2.00/div	5.00 dB/div	5.00 kHz/div	200 mV/div	200 mV/div
1.00 ms/div	1.00 ms/div	1.00 ms/div	1.00 ms/div	5.00 kHz/div	5.00 kHz/div	200 mV/div	200 mV/div
24 #	24 #	24 #	24 #	24 #	24 #	24 #	24 #
+	+	+	+	+	+	+	+

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

1/4/2023 11:54:50 AM

File Vertical Timebase Trigger Display Cursors Measure Math Analysis Utilities Help



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

F2	<F3>	F3 script(C3,C2)	F4 <FFT(C2)>	XY XC2 Y:C3
2.00/div	2.00/div	2.00/div	5.00 dB/div	200 mV/div
1.00 ms/div	1.00 ms/div	1.00 ms/div	5.00 kHz/div	200 mV/div
31 #			31 #	
✚	✚	✚	✚	✚

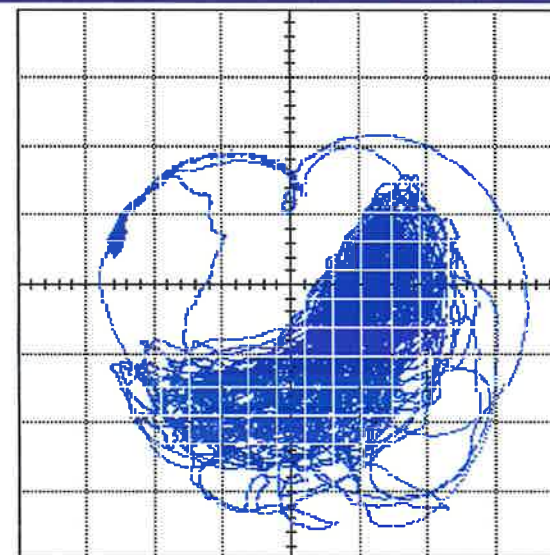
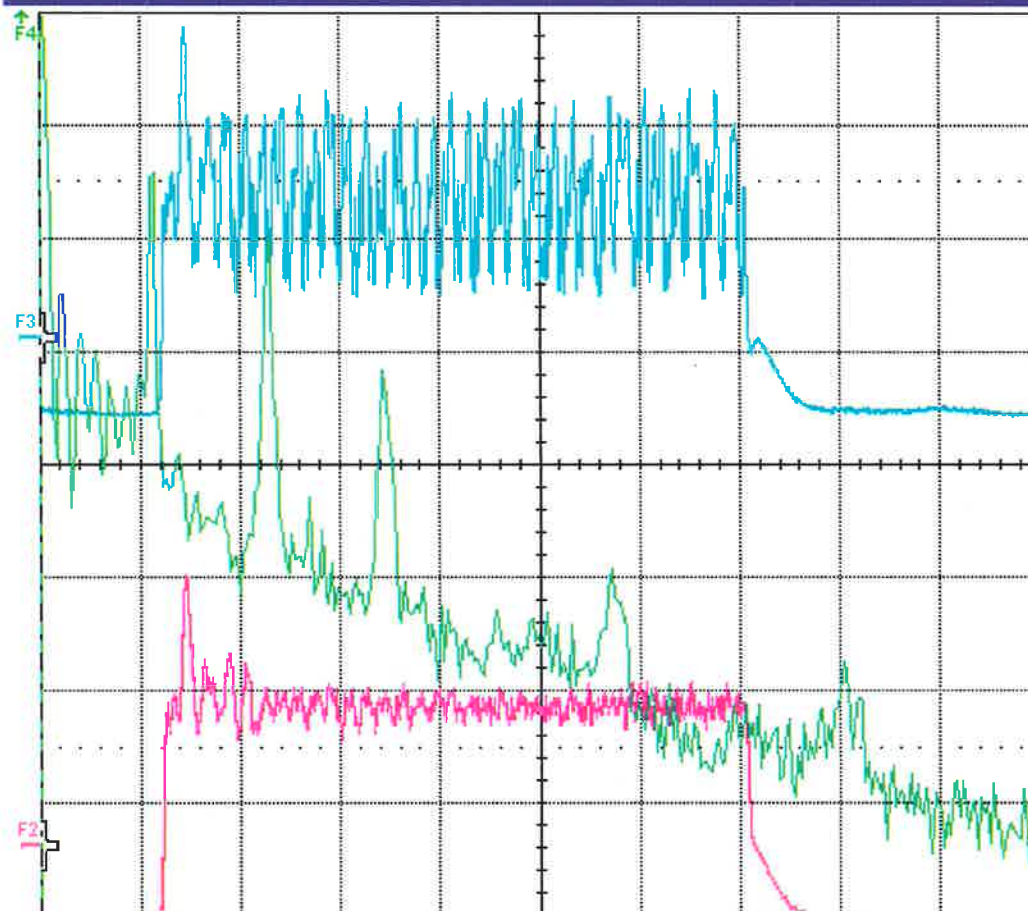
Tbase -3.98 ms Trigger Ext 10 DD
 1.00 ms/div Normal 130 mV
 100 kS 10 MS/s Edge Negative
 X1= -1.0200 ms

LeCroy

Processing ...

1155

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

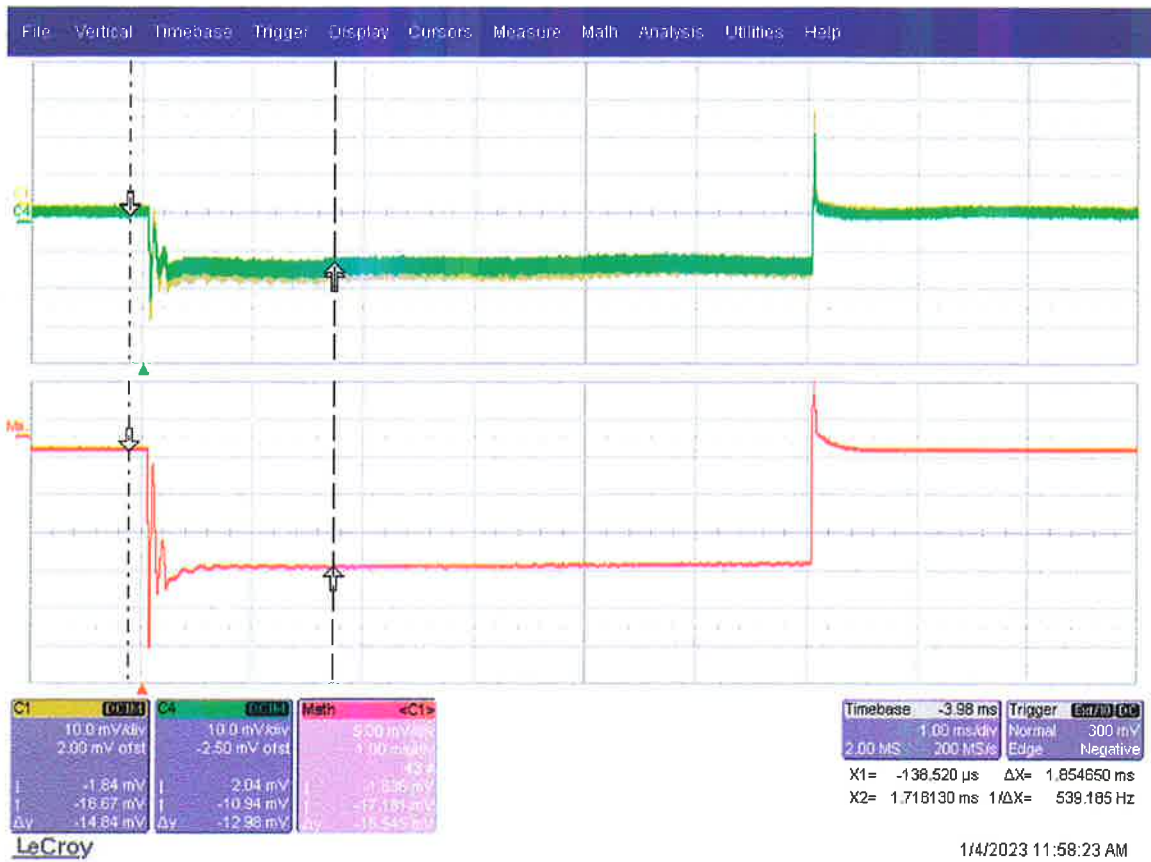
F2	<F3>	F3 script(C3,C2)	F4 <FFT(C2)>	XY XC2 YC3
2.00/div	2.00/div	2.00/div	5.00 dB/div	200 mV/div
1.00 ms/div	1.00 ms/div	1.00 ms/div	5.00 kHz/div	200 mV/div
22 #			22 #	

Tbase -3.98 ms Trigger Ext10 DC
 1.00 ms/div Normal 130 mV
 100 kS 10 MS/s Edge Negative
 X1= -1.0200 ms

LeCroy

Processing ...

1.52



1/4/2023 11:58:23 AM

4-Jan-23
11:58:53

1
1 ms
0.50 V

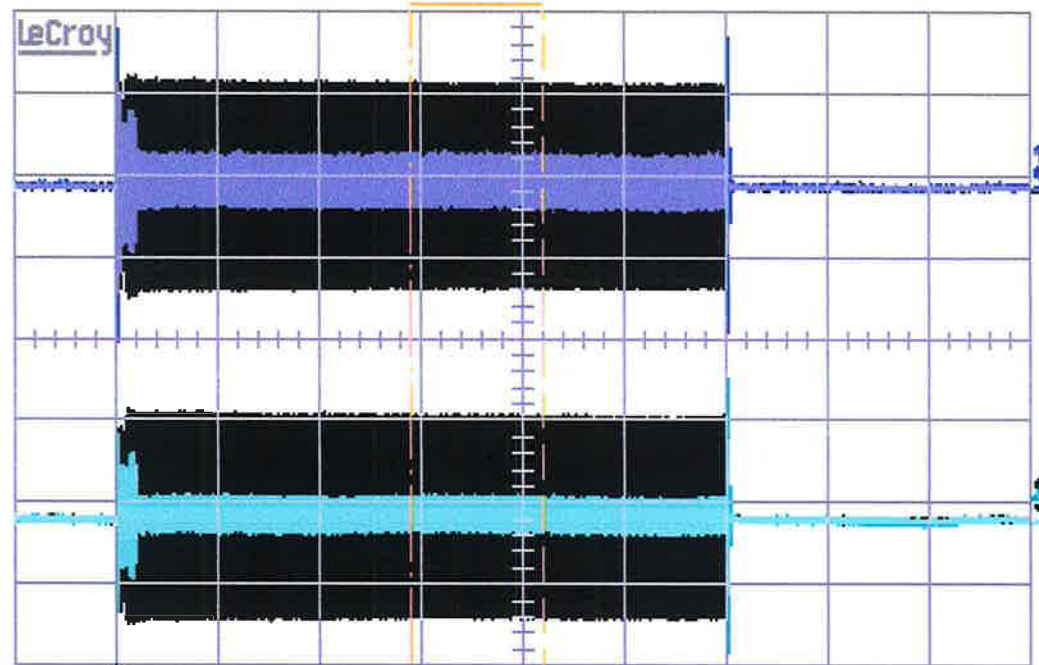
3
1 ms
0.50 V

4
1 ms
200mV

2
1 ms
200mV

1 ms

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



48 sweeps:

	average	low	high	sigma
rms(1)	441.2mV	438.1	443.2	1.5
rms(2)	47.7mV	46.6	48.7	0.5
rms(3)	429.5mV	427.1	431.3	1.3
rms(4)	32.8mV	31.5	34.0	0.5
phase(1,3)	79 °	75	85	2

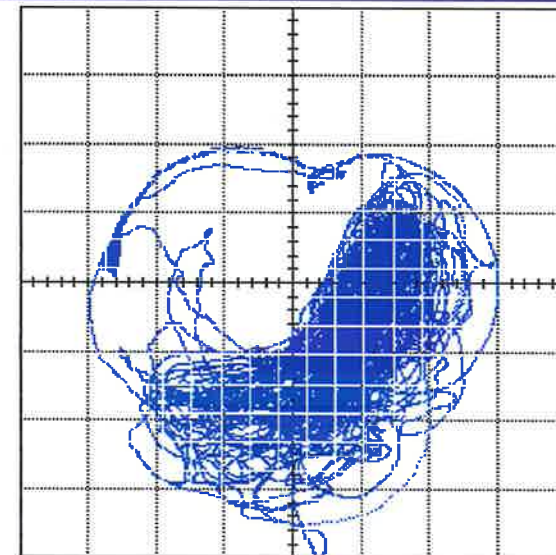
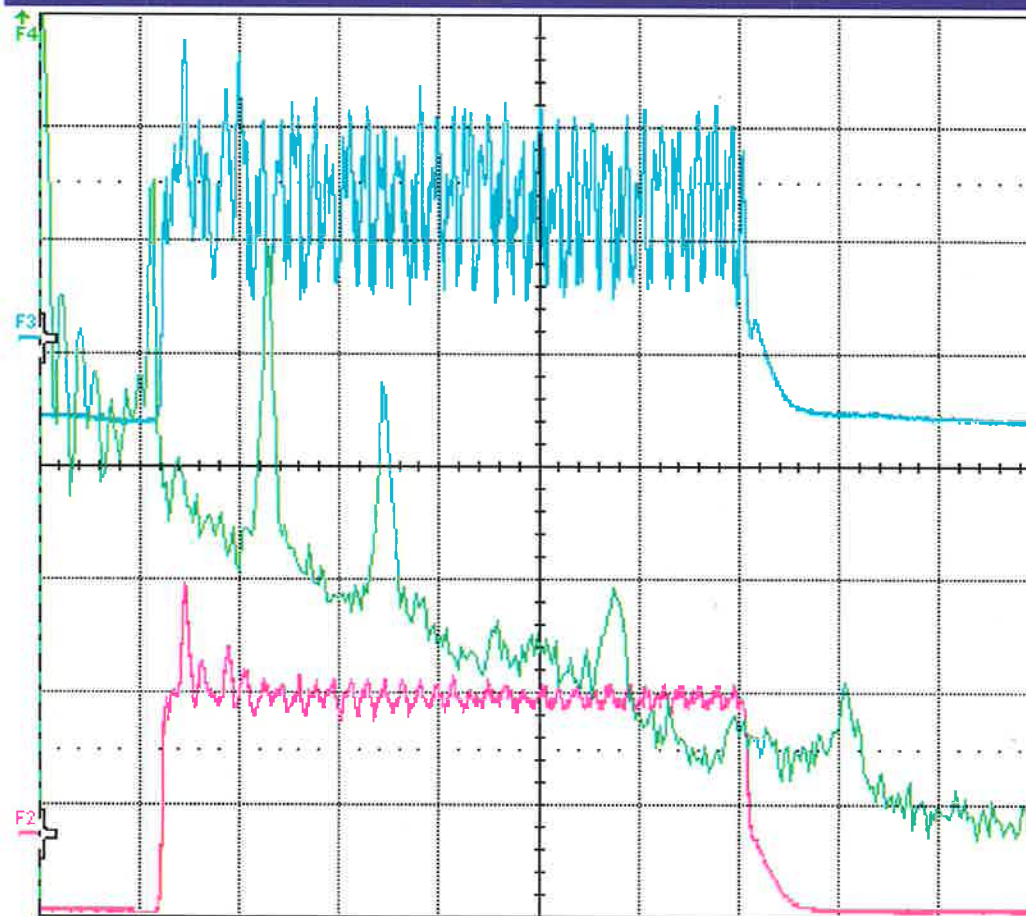


Ext10 DC 0.50 V 50Ω

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	5.00 dB/div	200 mV/div
1.00 ms/div	1.00 ms/div	1.00 ms/div	5.00 kHz/div	200 mV/div
69 #			68 #	
				X
				Y

Tbase -3.98 ms Trigger Ext10 DC
 1.00 ms/div Normal 130 mV
 100 kS 10 MS/s Edge Negative
 X1= -1.0200 ms

LeCroy

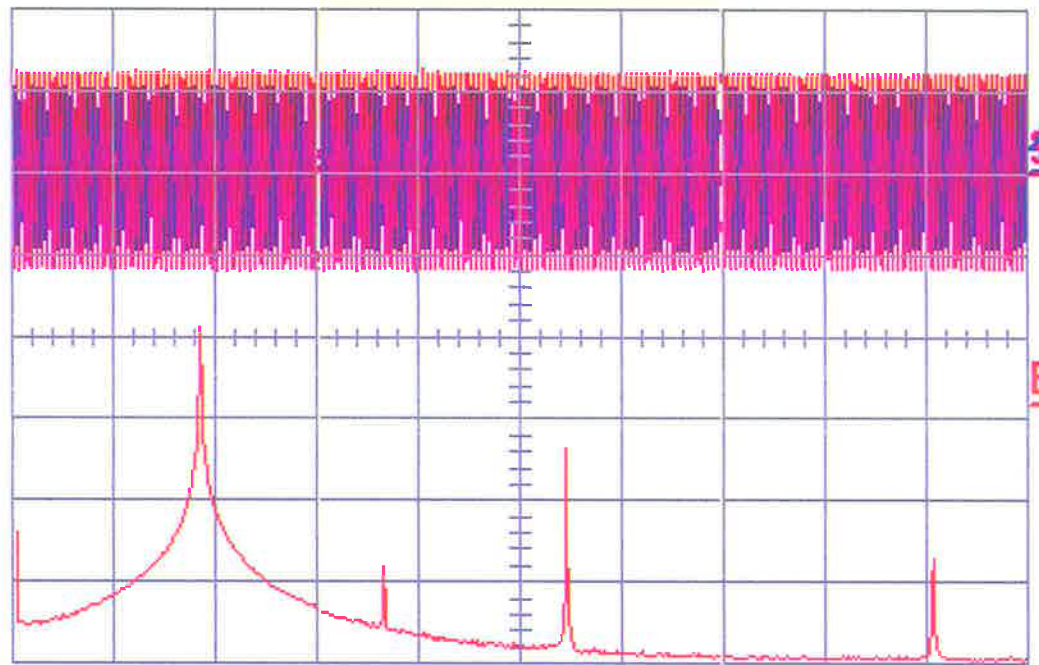
Processing ...

4-Jan-23
12:01:52

3
10 μ s
2.00 V

1
10 μ s
2.00 V

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



← 1.900 ms

	25 sweeps:	average	low	high	sigma
phase(4,3)		99.29 °	92.61	104.39	1.71
pkpk(3)		4.96 V	4.88	5.06	0.05
rms(2)		41.0mV	40.3	41.6	0.4
rms(4)		1.278 V	1.263	1.291	0.007
rms(3)		1.550 V	1.535	1.560	0.005

10 μ s

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

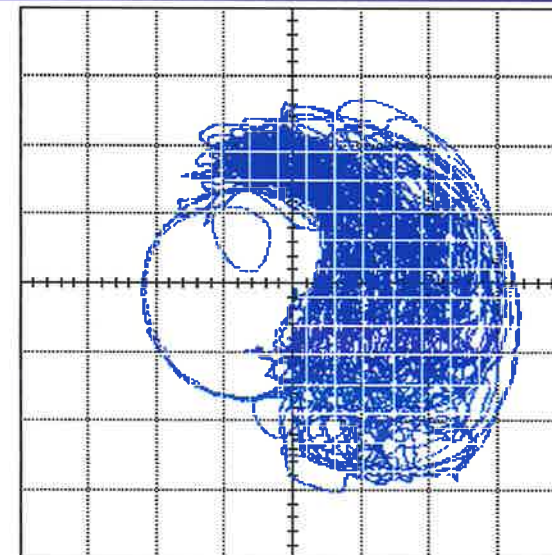
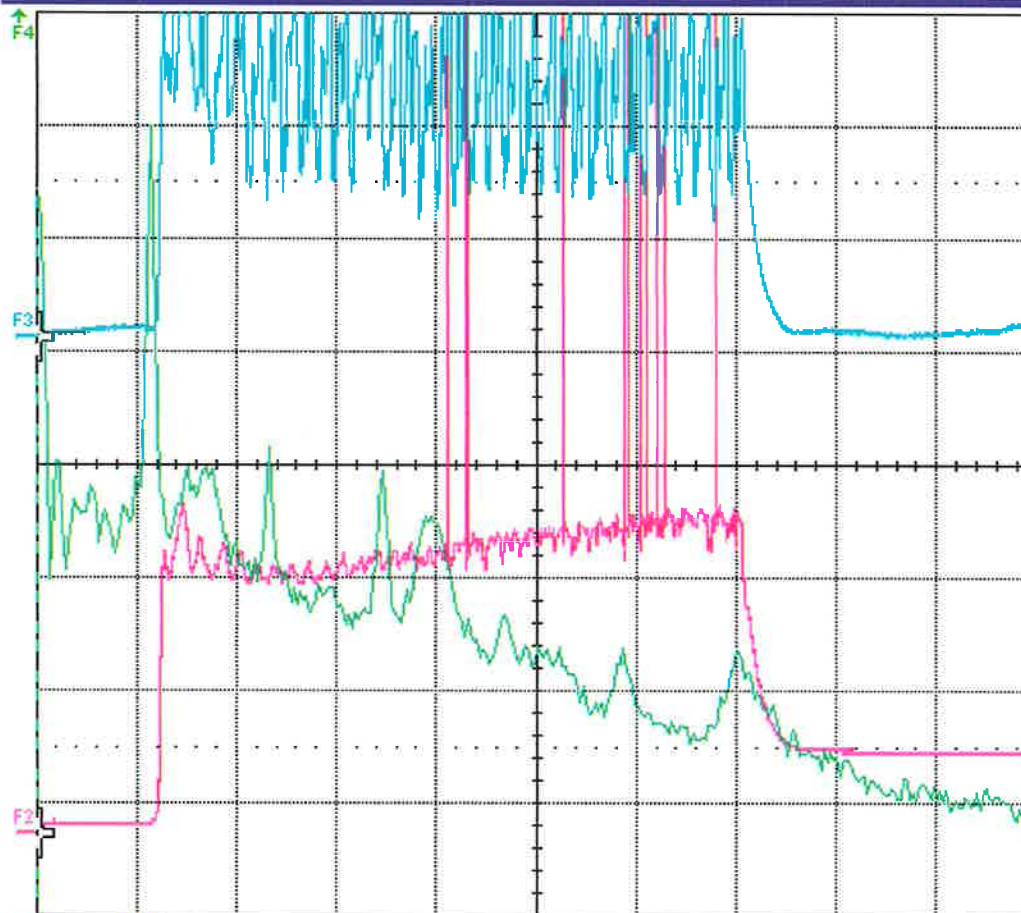


Ext10 DC 0.15 V 50 Ω

1 GS/s

DISPLAY ☐ NORMAL

File Vertical Timebase Trigger Display Cursors Measure Math Analysis Utilities Help



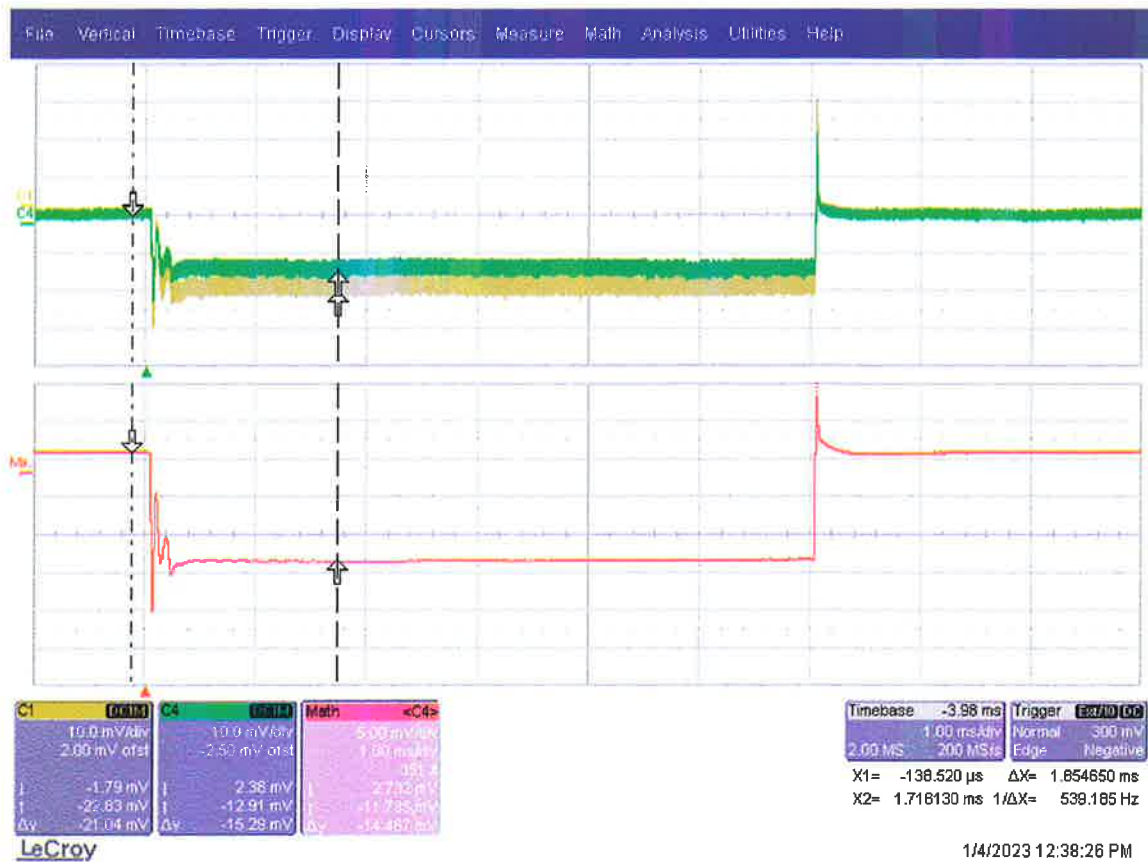
$\Delta Y/\Delta X = 0$ $\Delta Y * \Delta X = 0 \text{ V}^2$
 0 dB Angle = 0°
 Radius = 0 V

F2	<F3>	F3 script(C3,C2)	F4 <FFT(C2)>	XY X:C2 Y:C3
2.00/div	2.00/div	2.00/div	5.00 dB/div	200 mV/div
1.00 ms/div	1.00 ms/div	1.00 ms/div	5.00 kHz/div	200 mV/div
173 #			173 #	
+	+	+	+	+

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

LeCroy

Processing ...



1/4/2023 12:38:26 PM

4-Jan-23
12:38:57

1
1 ms
0.50 V

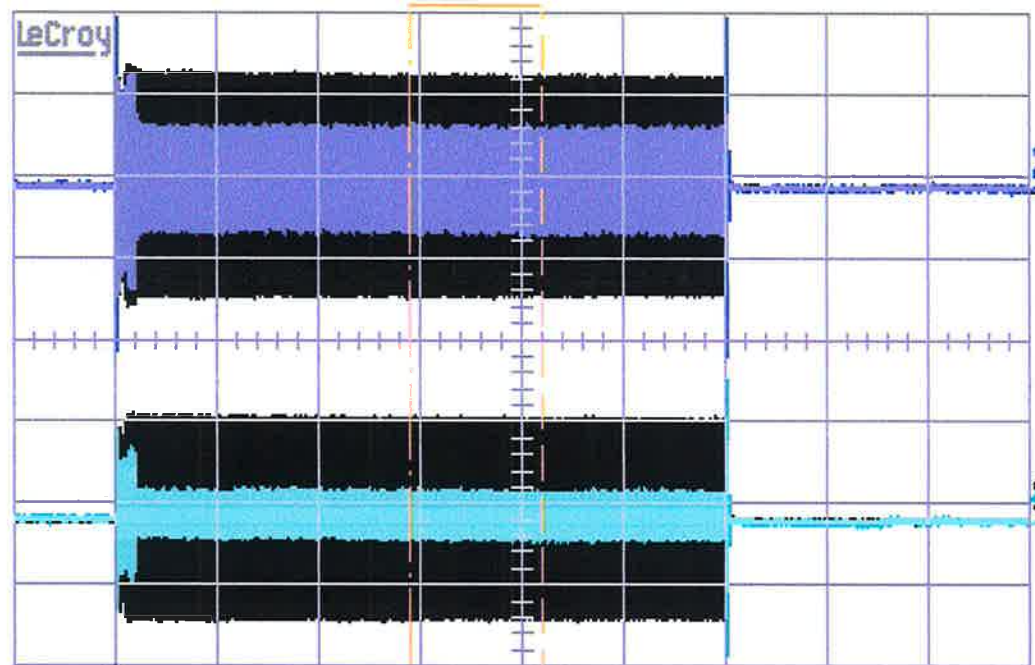
3
1 ms
0.50 V

4
1 ms
200mV

2
1 ms
200mV

1 ms

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



349 sweeps:

	average	low	high	sigma
rms(1)	468.7mV	465.0	471.9	1.5
rms(2)	90.3mV	87.4	92.8	1.2
rms(3)	427.1mV	424.6	429.1	1.2
rms(4)	39.3mV	38.0	40.6	0.4
phase(1,3)	77 °	72	83	2

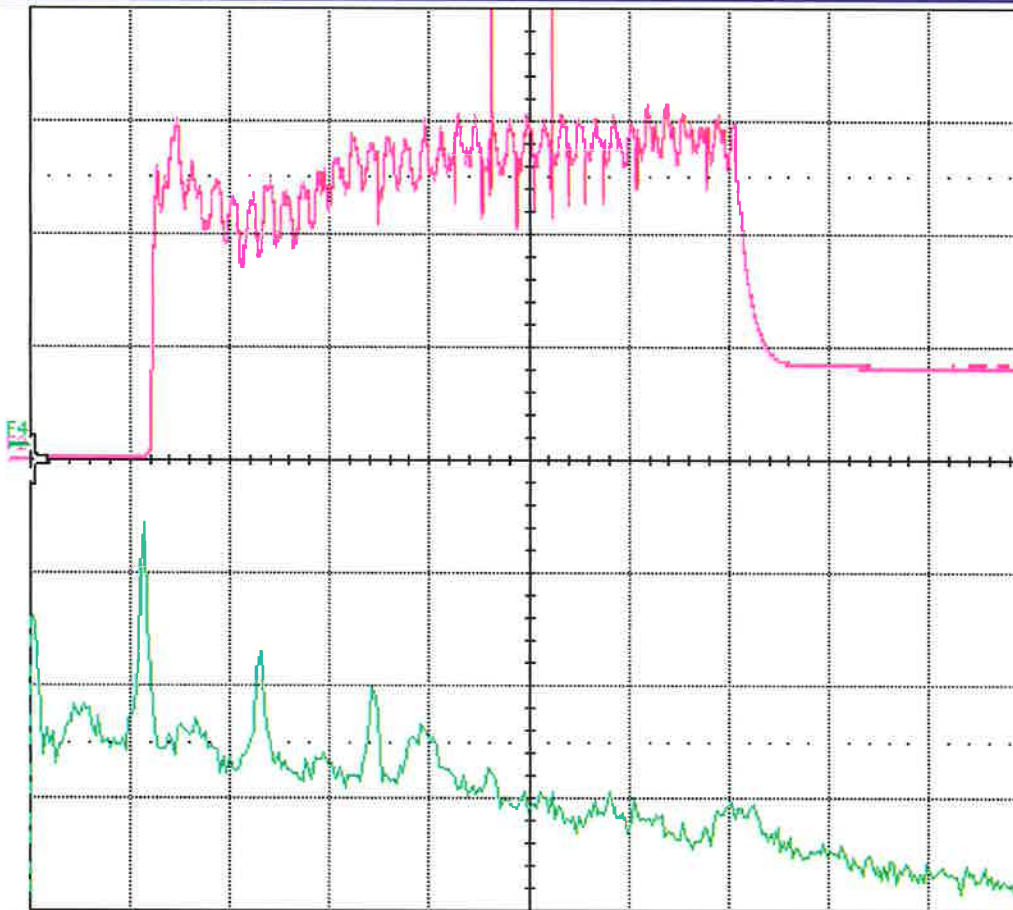


Ext10 DC 0.50 V 50Ω

10 MS/s

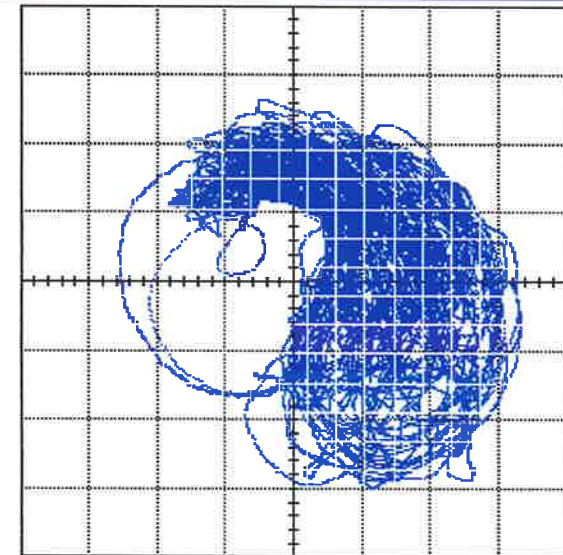
☐ NORMAL

File Vertical Timebase Trigger Display Cursors Measure Math Analysis Utilities Help



F2	<F3>	F4	<FFT(C2)>	XY	X:C2 Y:C3
2.00/div		10.0 dB/div		200 mV/div	
1.00 ms/div		5.00 kHz/div		200 mV/div	
42 #		42 #			

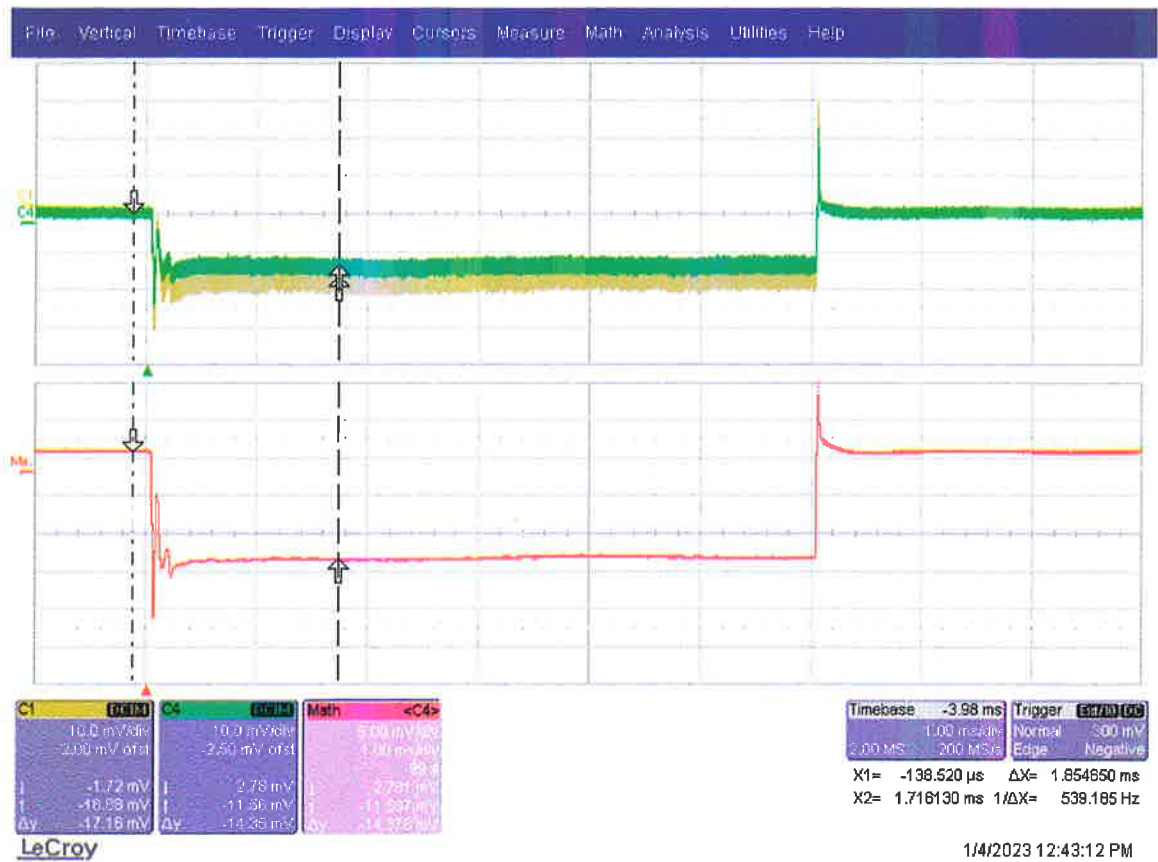
LeCroy



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

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			

Processing ...



1/4/2023 12:43:12 PM

4-Jan-23
12:43:43

1
1 ms
0.50 V

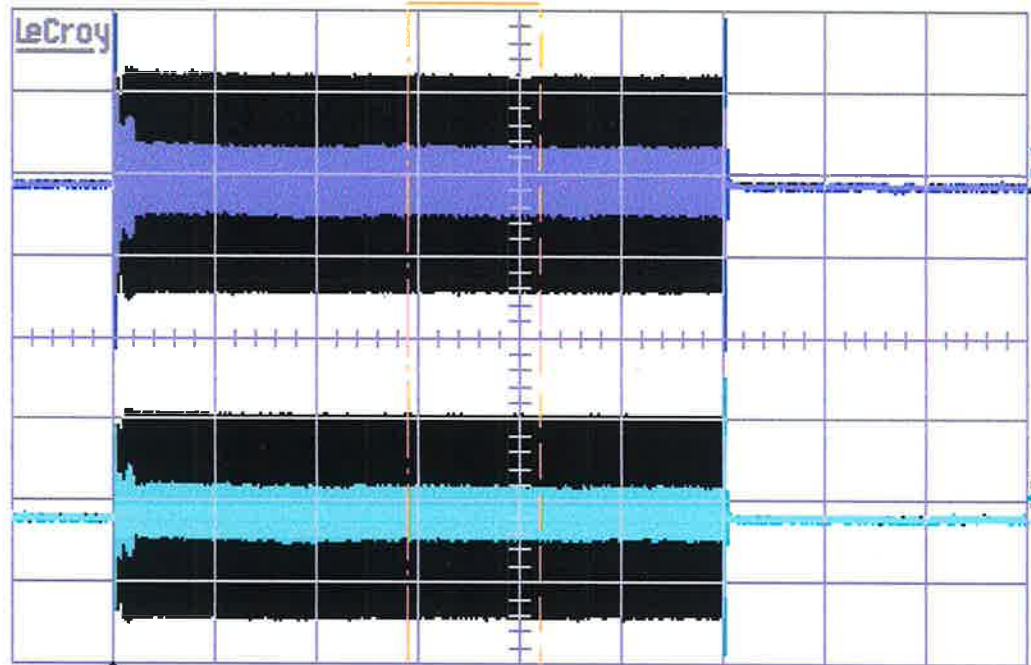
3
1 ms
0.50 V

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



152 sweeps: average low high sigma
rms(1) 457.1mV 454.8 459.8 1.6
rms(2) 56.5mV 55.7 57.5 0.4
rms(3) 428.2mV 426.4 430.3 1.2
rms(4) 41.5mV 40.6 42.4 0.4
phase(1,3) 74 ° 69 80 1

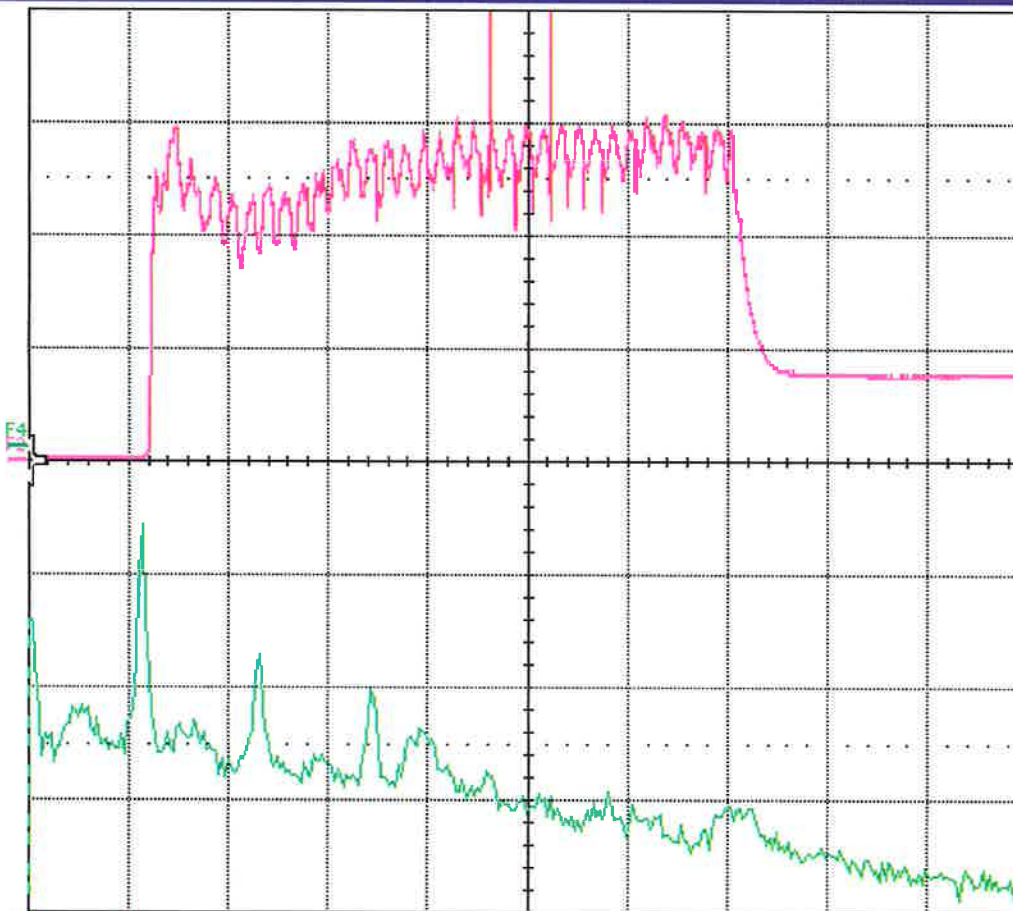


Ext10 DC 0.50 V 50Ω

10 MS/s

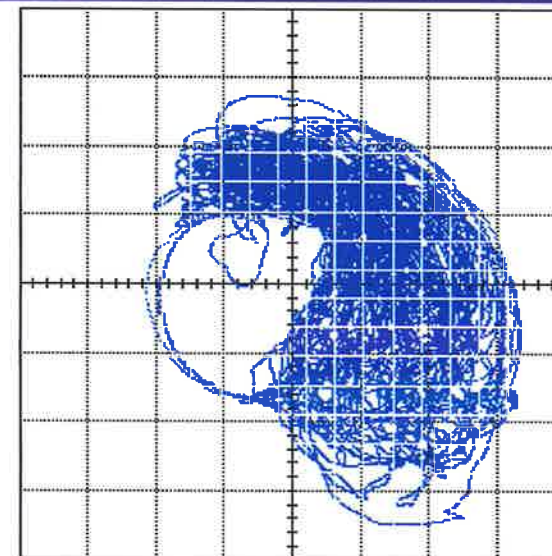
☐ NORMAL

File Vertical Timebase Trigger Display Cursors Measure Math Analysis Utilities Help



F2	<F3>	F4	<FFT(C2)>	XY	X:C2 Y:C3
2.00/div		10.0 dB/div		200 mV/div	
1.00 ms/div		5.00 kHz/div		200 mV/div	
45 #		45 #			
+		+		+	

LeCroy



$\Delta Y/\Delta X =$ 0
 $\Delta Y^* \Delta X =$ 0 V²
 Radius= 0 V
 Angle= 0°

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		

Processing ...