

14-Nov-22

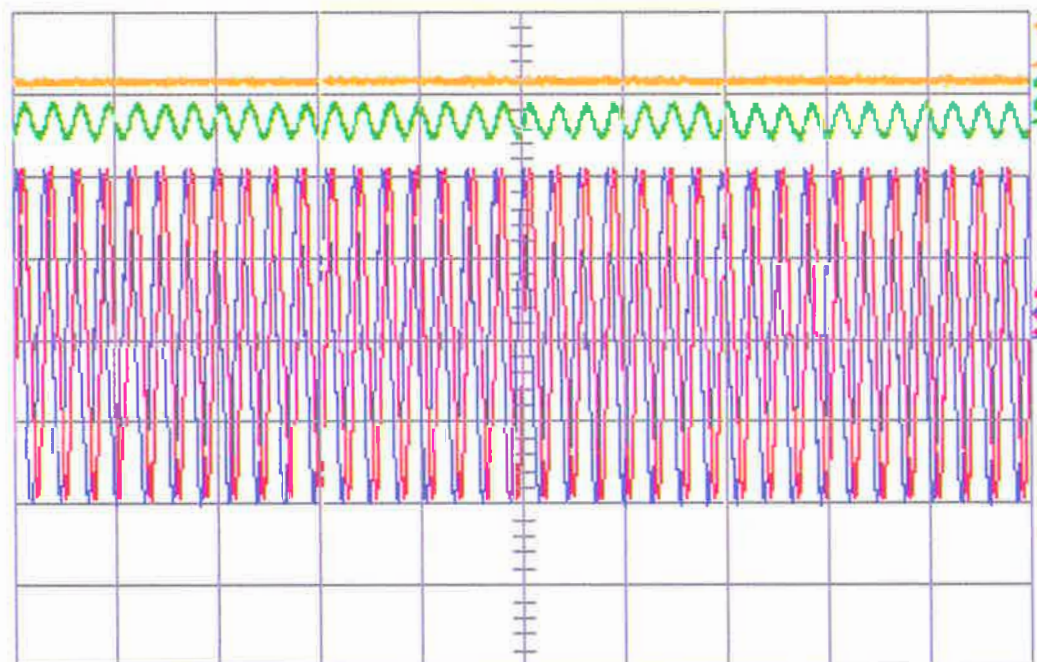
14:39:12

3
2 μ s
1.00 V

1
2 μ s
1.00 V

2
2 μ s
200 mV

4
2 μ s
1.00 V



← 1.0000 ms

	239 sweeps:	average	low	high	sigma
phase(4,3)		85.56 °	81.92	89.45	1.02
pkpk(3)		4.06 V	3.97	4.16	0.04
rms(2)		27.8mV	27.2	28.4	0.3
rms(4)		1.342 V	1.317	1.374	0.011
rms(3)		1.340 V	1.314	1.371	0.011

2 μ s

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



Ext10 DC 0.15 V 50 Ω

1 GS/s



NORMAL

14-Nov-22

14:39:13

1
1 ms
0.50 V

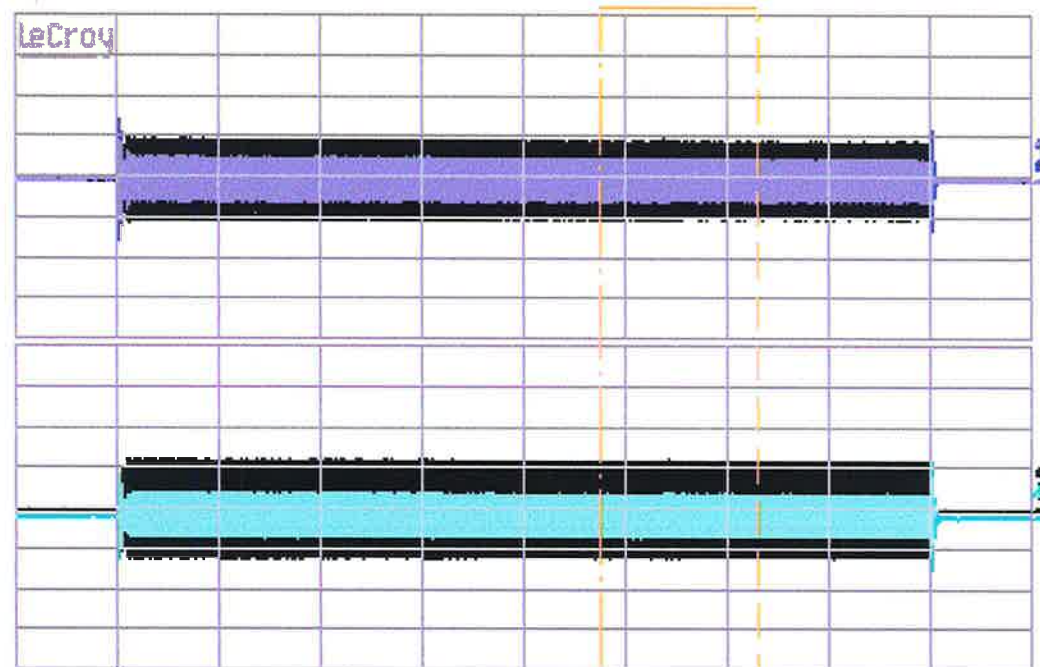
2
1 ms
200 mV

3
1 ms
0.50 V

4
1 ms
200 mV

1 ms

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



8 sweeps: average low high sigma

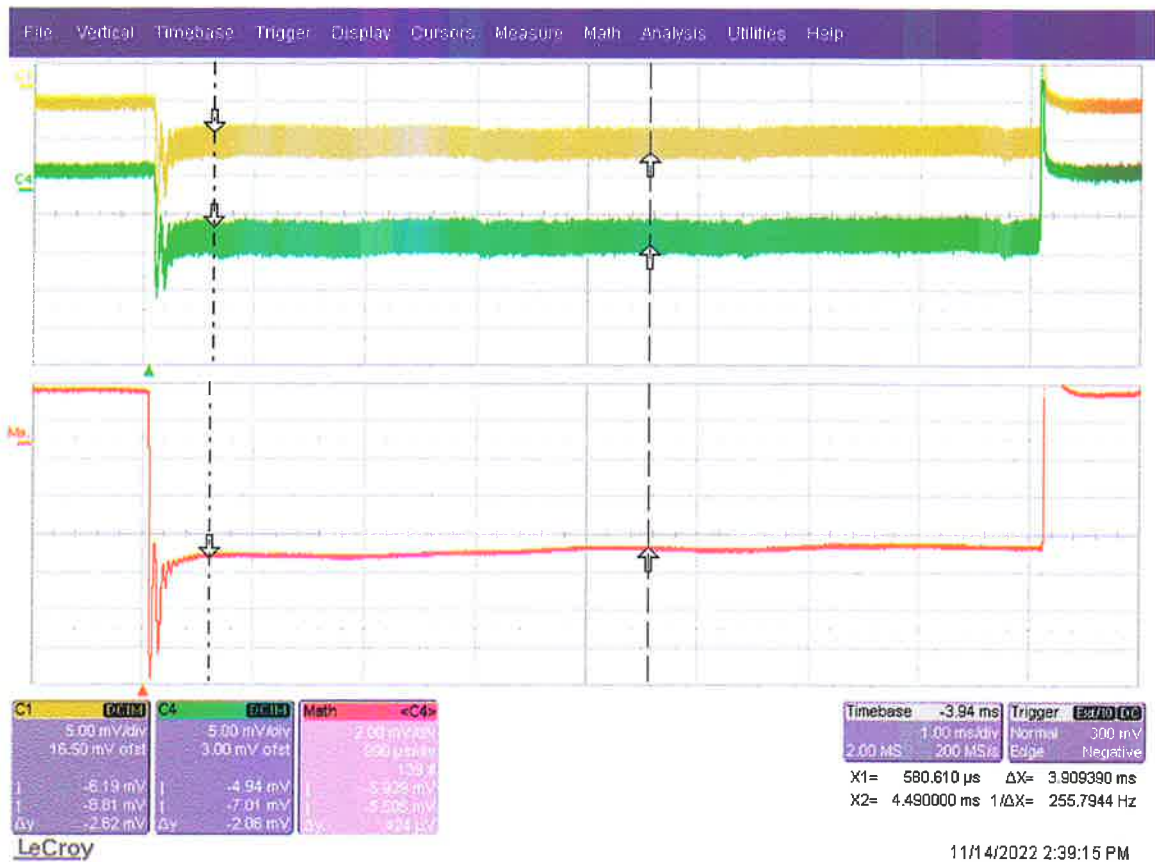
rms(1)	343.1mV	342.7	343.7	0.4
rms(2)	72.5mV	72.4	72.7	0.1
rms(3)	414.9mV	414.5	415.6	0.4
rms(4)	72.2mV	71.4	73.2	0.8
phase(1,3)	80 °	76	85	2



Ext10 DC 0.50 V 50Ω

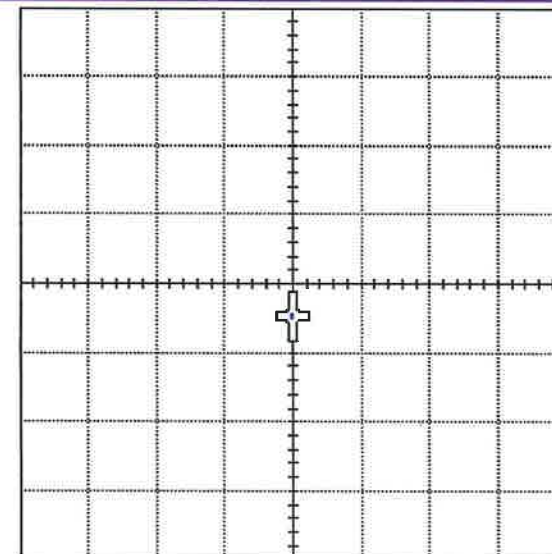
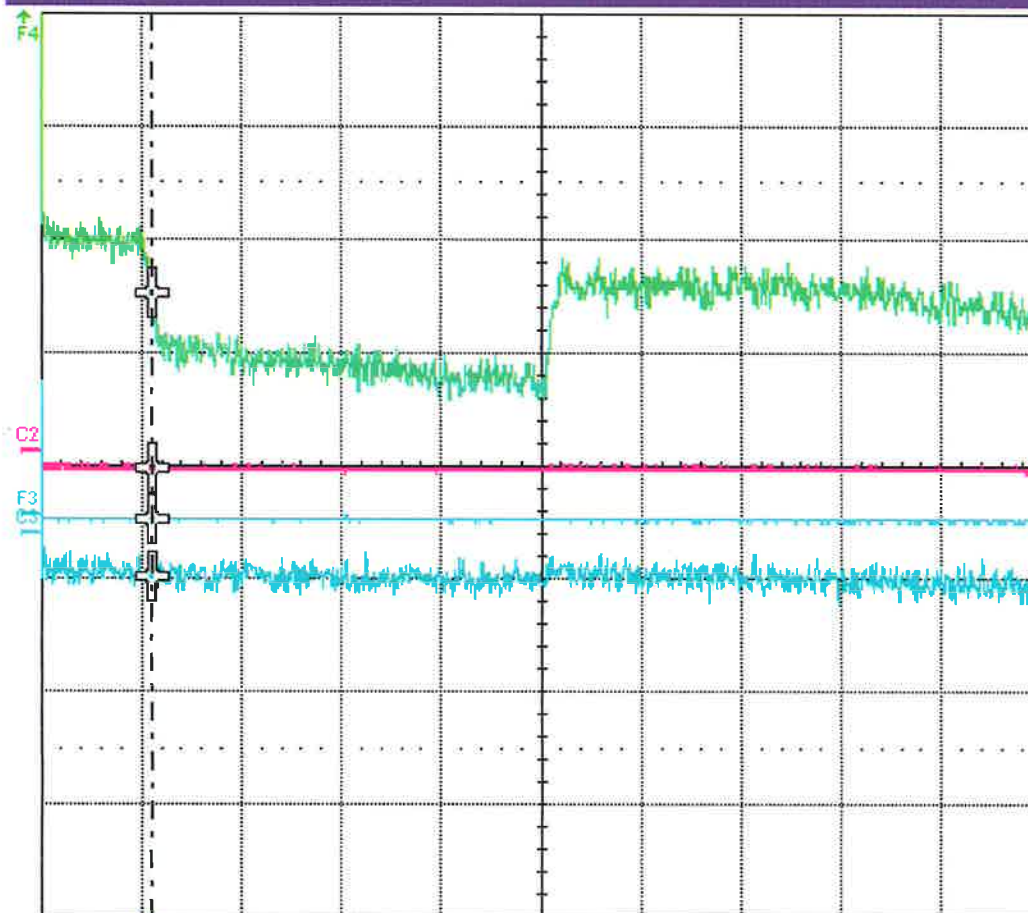
10 MS/s

☐ NORMAL



11/14/2022 2:39:15 PM

File Vertical Timebase Trigger Display Cursors Measure Math Analysis Utilities Help



$\Delta Y/\Delta X = 40$
 $\Delta Y^* \Delta X = 6 \text{ mV}^2$
 $\text{Angle} = -91.4^\circ$
 $\text{Radius} = 469 \text{ mV}$

C2	FLT DC1M	C3	FLT DC1M	F3	script(C3,C2)	F4	<F3>	XY	X:C2 Y:C3
1.00 V/div	1.00 V/div	500e-3/div	10.0e-3/div	1.00 V/div	1.00 V/div	2.00 ms/div	2.00 ms/div	1.00 V/div	1.00 V/div
130.0 mV	-590.0 mV	2.00 ms/div	2.736 kHz						
✚	-142.2 mV	✚	120.8 mV	✚	-276.9e-3	✚	-429.53e-3	✚x	-142.2 mV
								✚y	120.8 mV

Tbase -7.96 ms
 2.00 ms/div
 10.0 kS 500 kS/s
 X1= 180 μ s
 Trigger Ext/10/DC
 Normal 130 mV
 Edge Negative

LeCroy

11/14/2022 2:39:28 PM

14-Nov-22

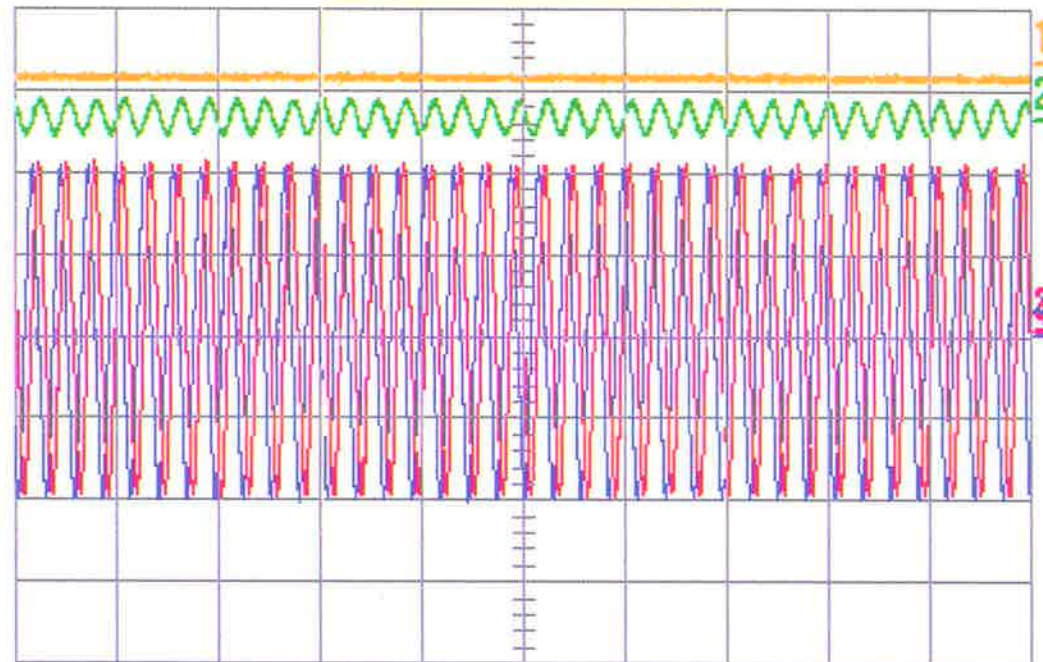
14:42:43

3
2 μ s
1.00 V

1
2 μ s
1.00 V

2
2 μ s
200 mV

4
2 μ s
1.00 V



← 1.0000 ms

	450 sweeps:	average	low	high	sigma
phase(4,3)		85.25 °	80.67	89.45	1.10
pkpk(3)		4.07 V	3.97	4.19	0.04
rms(2)		27.8 mV	27.1	28.5	0.3
rms(4)		1.341 V	1.314	1.374	0.011
rms(3)		1.343 V	1.314	1.371	0.012

2 μ s

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



Ext10 DC 0.15 V 50 Ω

1 GS/s

☐ NORMAL

14-Nov-22

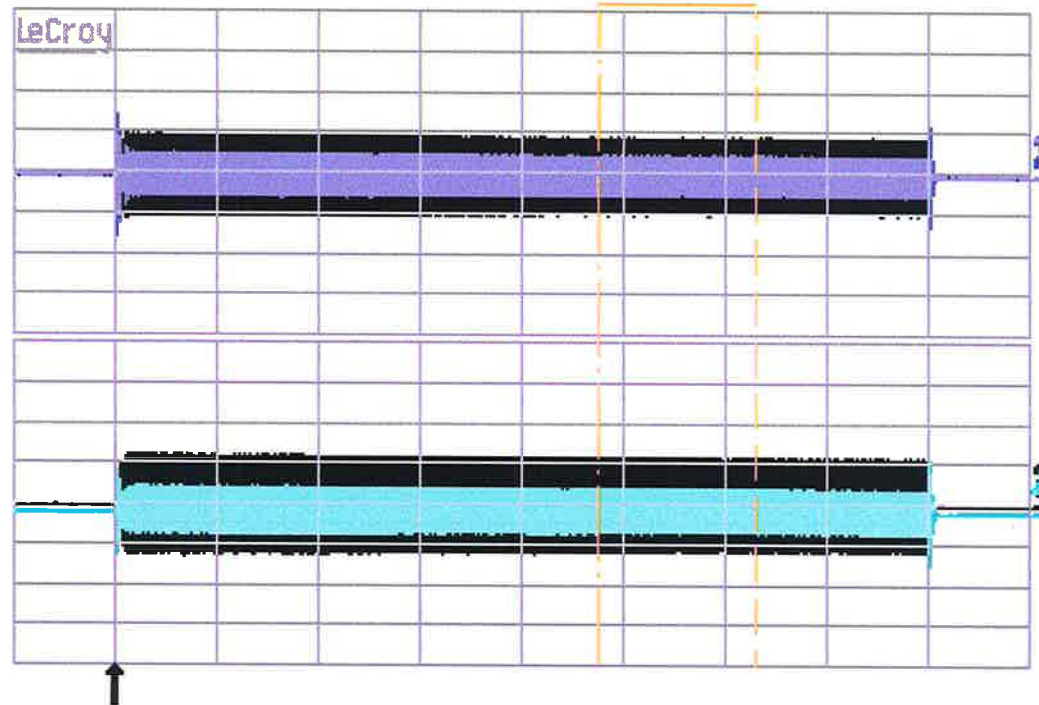
14:42:45

1
1 ms
0.50 V

2
1 ms
200 mV

3
1 ms
0.50 V

4
1 ms
200 mV



11 sweeps: average low high sigma

rms(1)	337.3mV	336.6	338.1	0.5
rms(2)	67.6mV	67.4	67.8	0.1
rms(3)	408.7mV	408.1	409.5	0.5
rms(4)	77.2mV	77.1	77.2	0.0
phase(1,3)	80 °	76	86	2

1 ms

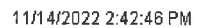
1 .5 V AC
2 .2 V AC
3 .5 V AC
4 .2 V AC



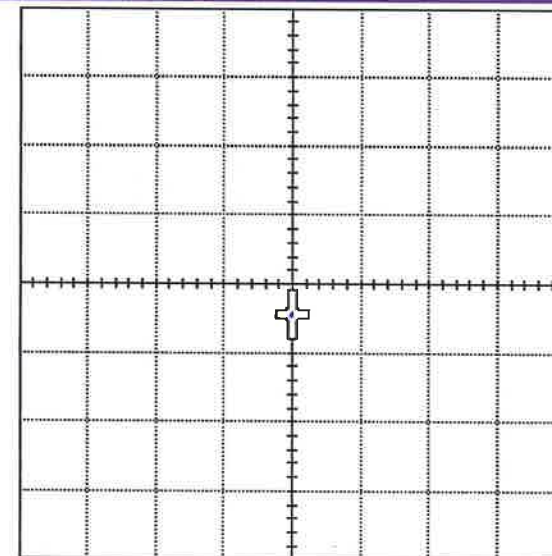
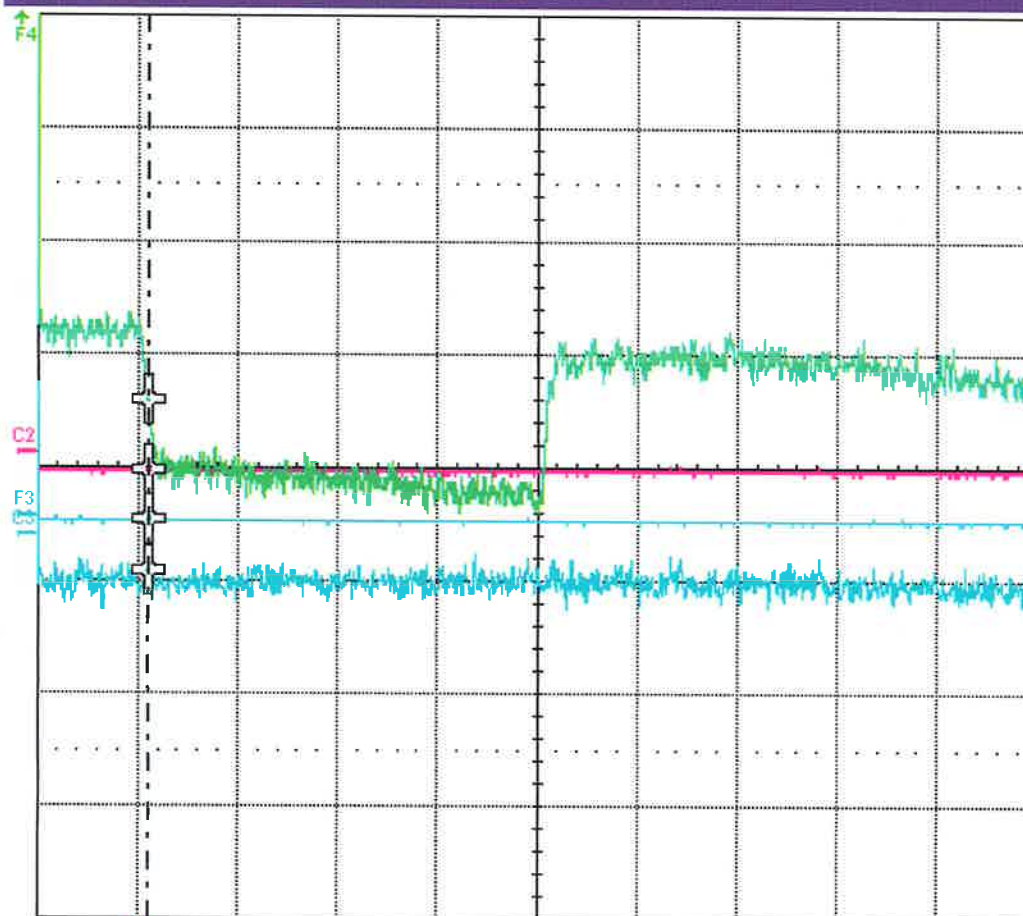
Ext10 DC 0.50 V 50Ω

10 MS/s

☐ NORMAL



File Vertical Timebase Trigger Display Cursors Measure Math Analysis Utilities Help



$\Delta Y/\Delta X = 38$
 $\Delta Y^* \Delta X = 6 \text{ mV}^2$
 $\text{Angle} = -91.5^\circ$
 $\text{Radius} = 460 \text{ mV}$

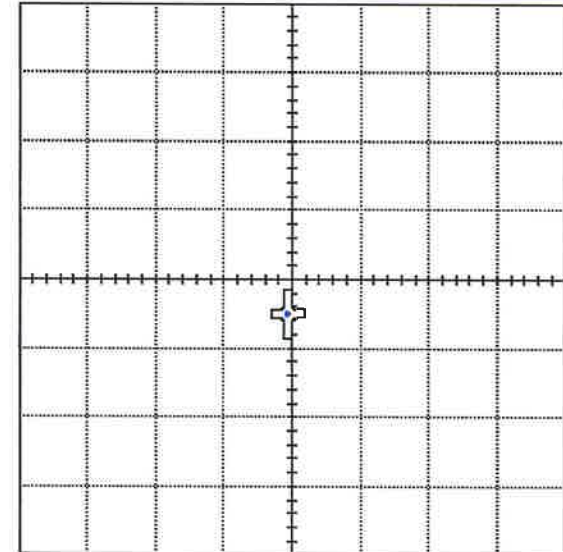
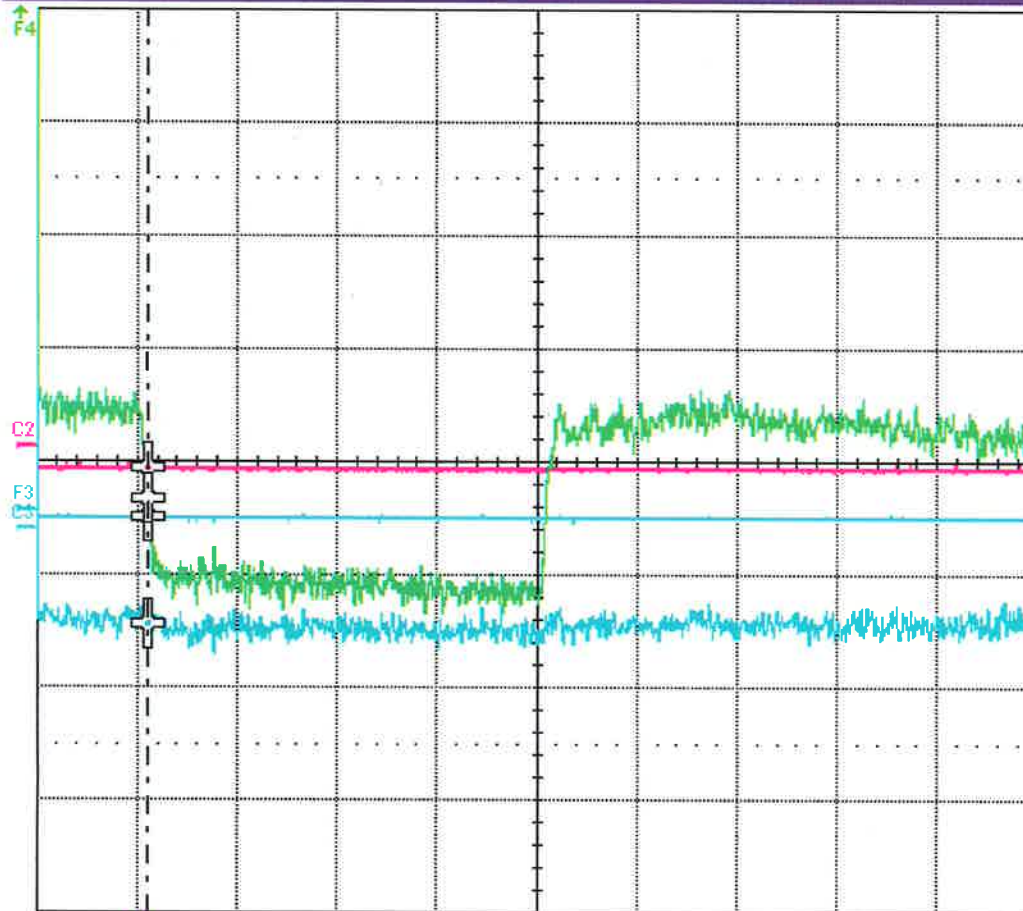
C2	C3	F3	F4	XY
FLT DC1M	FLT DC1M	script(C3,C2)	<F3>	X:C2 Y:C3
1.00 V/div	1.00 V/div	500e-3/div	10.0e-3/div	1.00 V/div
130.0 mV	-590.0 mV	2.00 ms/div	2.00 ms/div	1.00 V/div
			2.938 kHz	
✚ -141.4 mV	✚ 129.8 mV	✚ -238.3e-3	✚ -438.73e-3	✚x -141.4 mV
				✚y 129.8 mV

Tbase -7.96 ms
 2.00 ms/div
 10.0 kS 500 kS/s
 X1= 180 μs
 Trigger Ext/10 DC
 Normal 130 mV
 Edge Negative

LeCroy

11/14/2022 2:42:51 PM

File Vertical Timebase Trigger Display Cursors Measure Math Analysis Utilities Help



$\Delta Y/\Delta X = 9$ $\Delta Y * \Delta X = 26 \text{ mV}^2$
 19.5 dB Angle = -96.1 °
 Radius = 499 mV

C2	C3	F3	F4	XY	X: C2 Y: C3
FLT DC1M	FLT DC1M	script(C3,C2)	<F3>		
1.00 V/div	1.00 V/div	500e-3/div	10.0e-3/div		1.00 V/div
130.0 mV	-590.0 mV	2.00 ms/div	2.00 ms/div		1.00 V/div
			3.227 kHz		
✚ -182.7 mV	✚ 94.0 mV	✚ -505.8e-3	✚ -447.93e-3	✚ x -182.7 mV	
				✚ y 94.0 mV	

Tbase -7.96 ms Trigger Ext10 DC
 2.00 ms/div Normal 130 mV
 10.0 kS 500 kS/s Edge Negative
 X1= 180 μs

LeCroy

11/14/2022 2:47:40 PM



14-Nov-22
14:47:49

1
1 ms
0.50 V

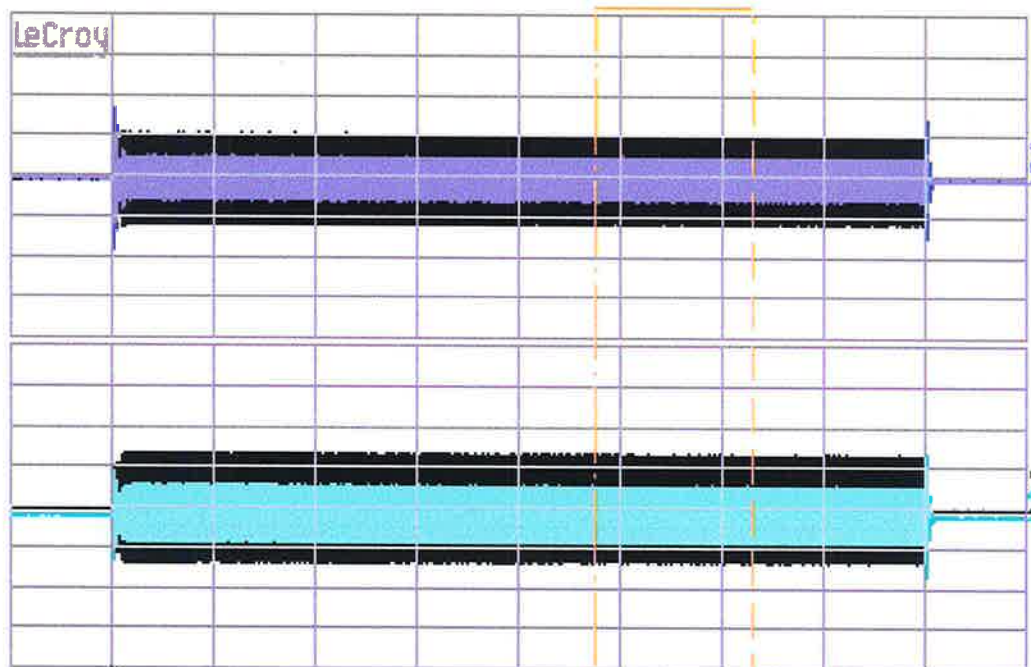
2
1 ms
200mV

3
1 ms
0.50 V

4
1 ms
200mV

1 ms

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



104 sweeps:

	average	low	high	sigma
rms(1)	391.0mV	386.4	394.5	2.4
rms(2)	73.4mV	71.6	76.1	1.4
rms(3)	464.5mV	460.2	468.3	2.4
rms(4)	96.6mV	93.9	99.8	1.6
phase(1,3)	79 °	75	86	2



Ext10 DC 0.50 V 50Ω

10 MS/s

☐ NORMAL

14-Nov-22

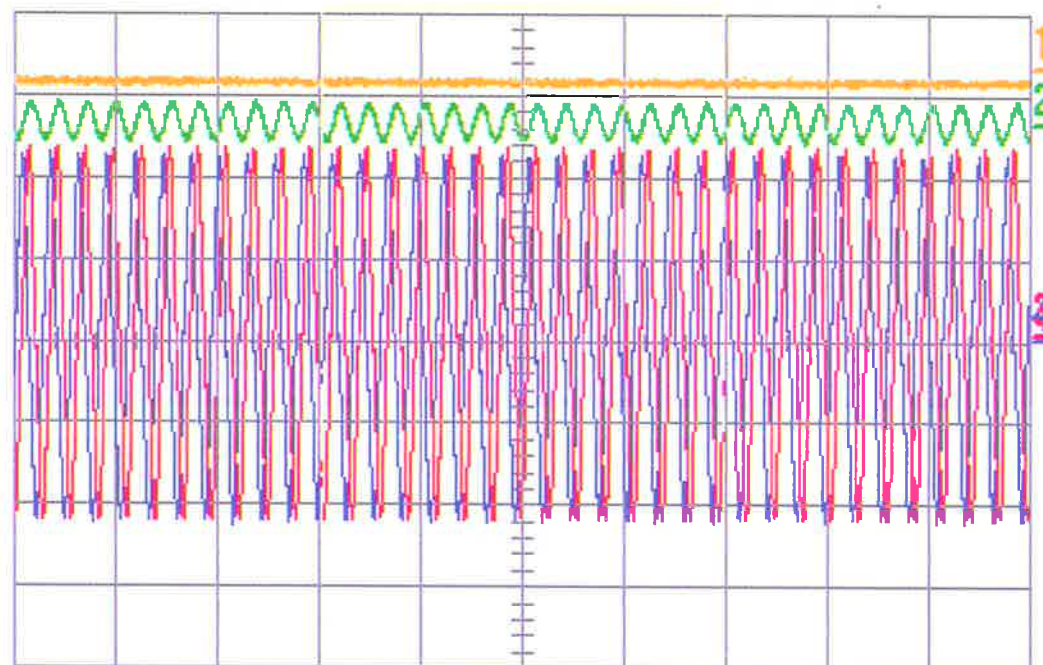
14:47:56

3
2 μ s
1.00 V

1
2 μ s
1.00 V

2
2 μ s
200 mV

4
2 μ s
1.00 V



← 1.0000 ms

	763 sweeps:	average	low	high	sigma
phase(4,3)		85.86 °	80.46	93.76	2.36
pkpk(3)		4.16 V	3.97	4.66	0.18
rms(2)		28.1 mV	26.9	30.4	0.8
rms(4)		1.356 V	1.311	1.460	0.038
rms(3)		1.367 V	1.314	1.509	0.055

2 μ s

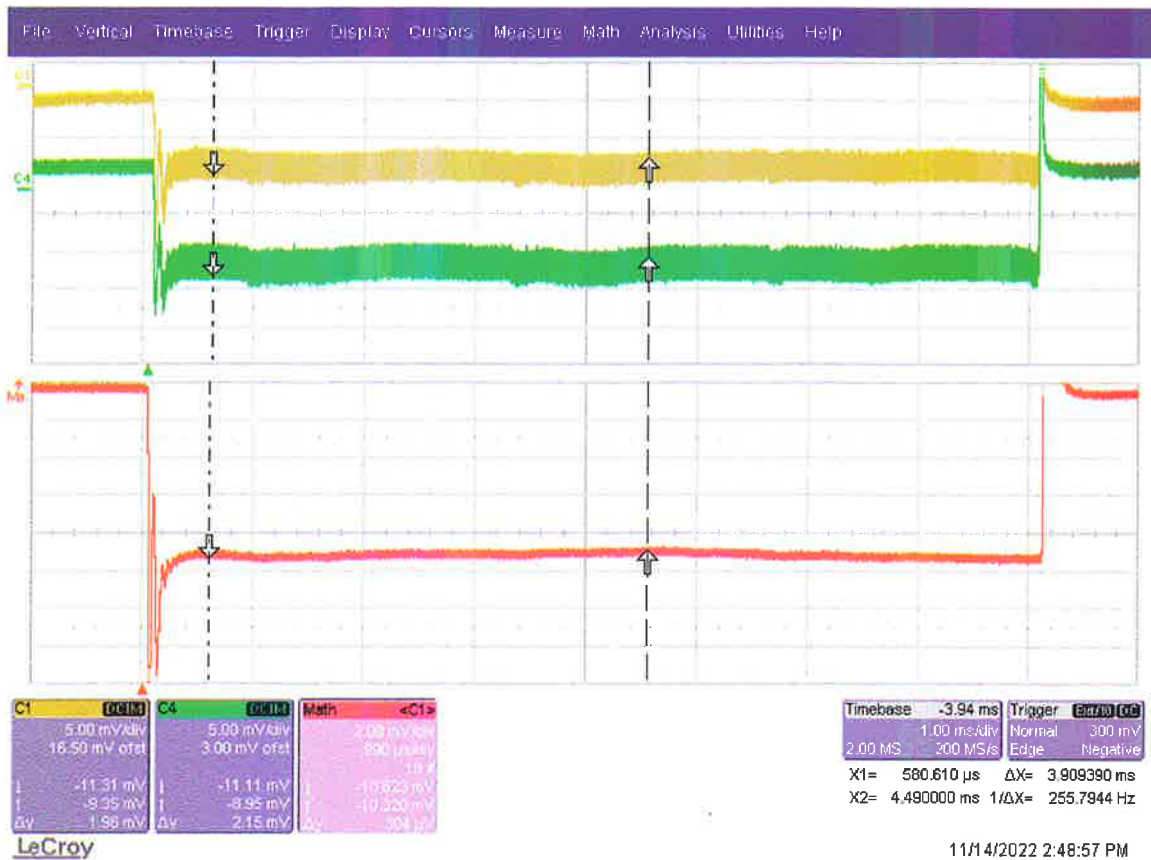
1 1 V DC
2 .2 V DC
3 1 V DC
4 1 V DC



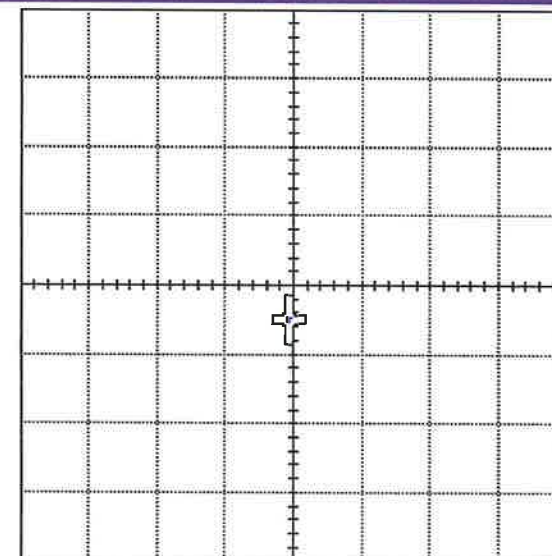
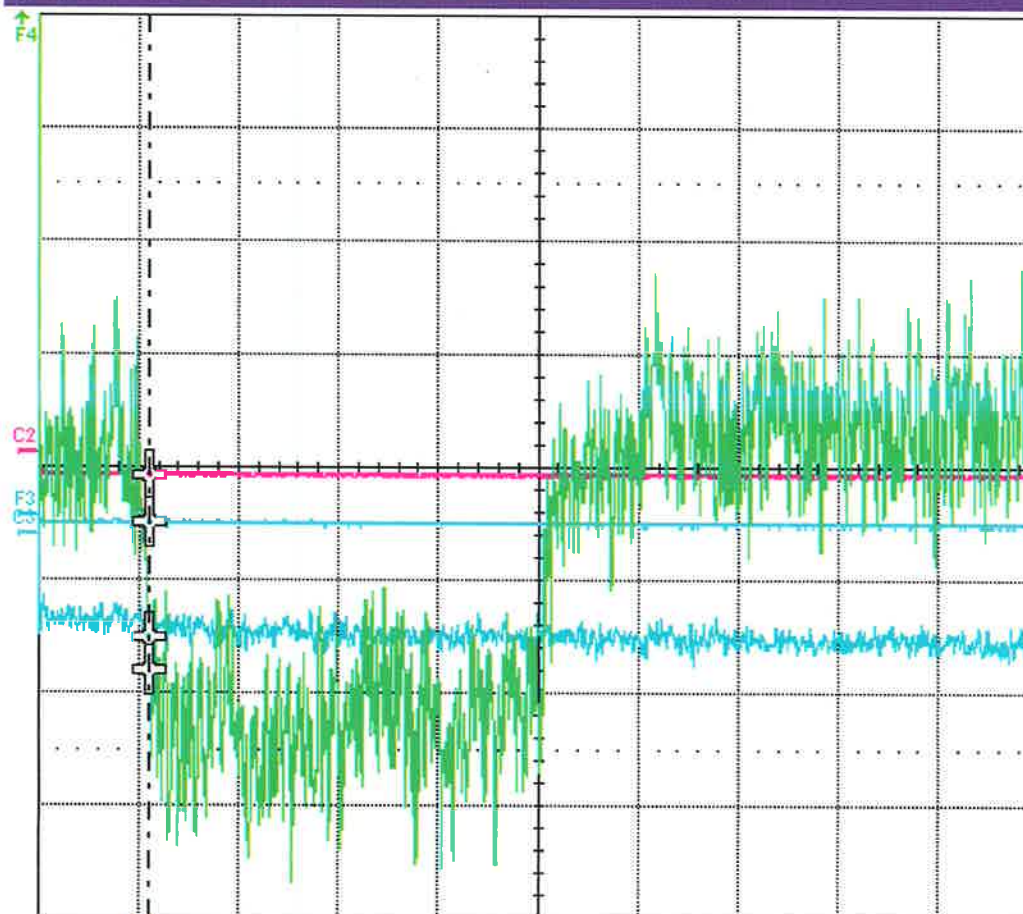
Ext10 DC 0.15 V 50 Ω

1 GS/s

☐ NORMAL



File Vertical Timebase Trigger Display Cursors Measure Math Analysis Utilities Help



$\Delta Y/\Delta X = 8$
 $\Delta Y * \Delta X = 33 \text{ mV}^2$
 $\text{Angle} = -97.6^\circ$
 $\text{Radius} = 502 \text{ mV}$

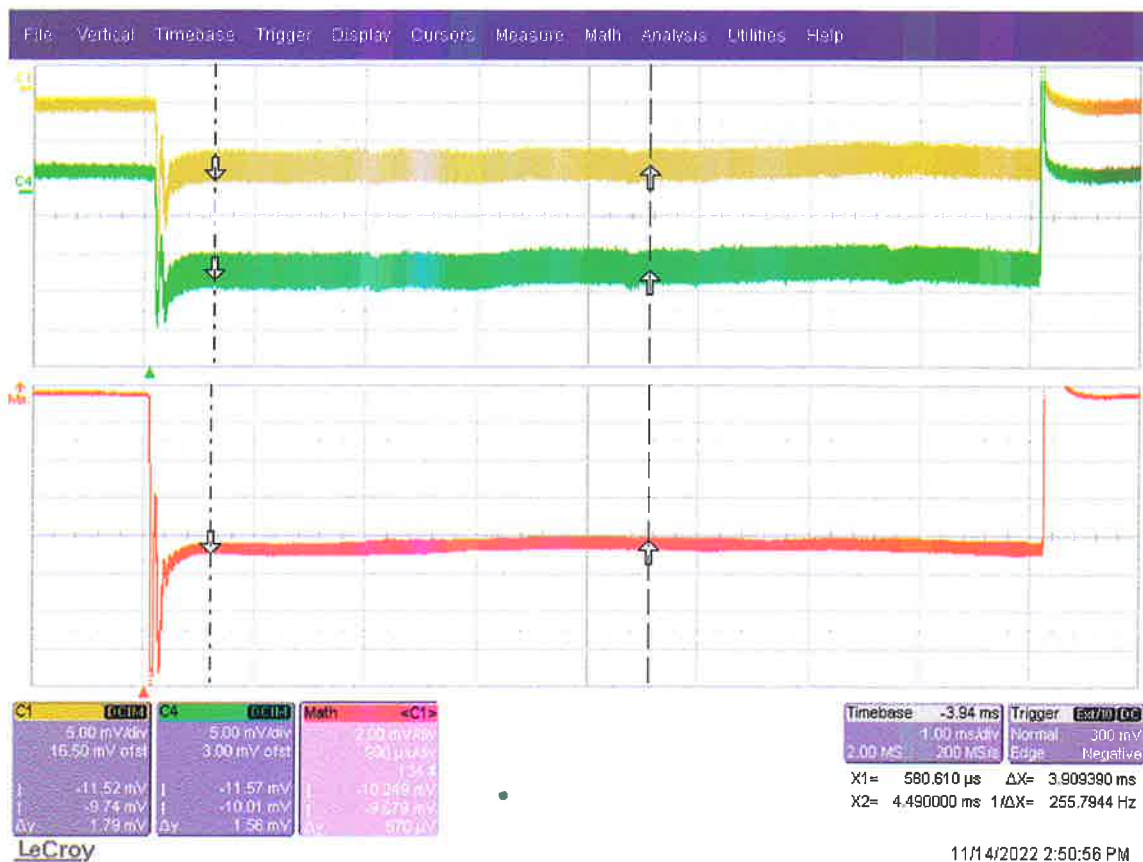
C2	C3	F3	F4	XY	X: C2 Y: C3
FLT DC1M	FLT DC1M	script(C3,C2)	<F3>		
1.00 V/div	1.00 V/div	500e-3/div	10.0e-3/div		1.00 V/div
130.0 mV	-590.0 mV	2.00 ms/div	2.00 ms/div		1.00 V/div
			55 #		
✚ -195.7 mV	✚ 92.5 mV	✚ -539.2e-3	✚ -497.38e-3	✚ X -195.7 mV	
				✚ Y 92.5 mV	

Tbase -7.96 ms
 2.00 ms/div
 10.0 kS 500 kS/s
 X1= 180 μs

Trigger Ext/IO DC
 Normal 130 mV
 Edge Negative

LeCroy

11/14/2022 2:50:53 PM



11/14/2022 2:50:56 PM

14-Nov-22
14:51:00

1
1 ms
0.50 V

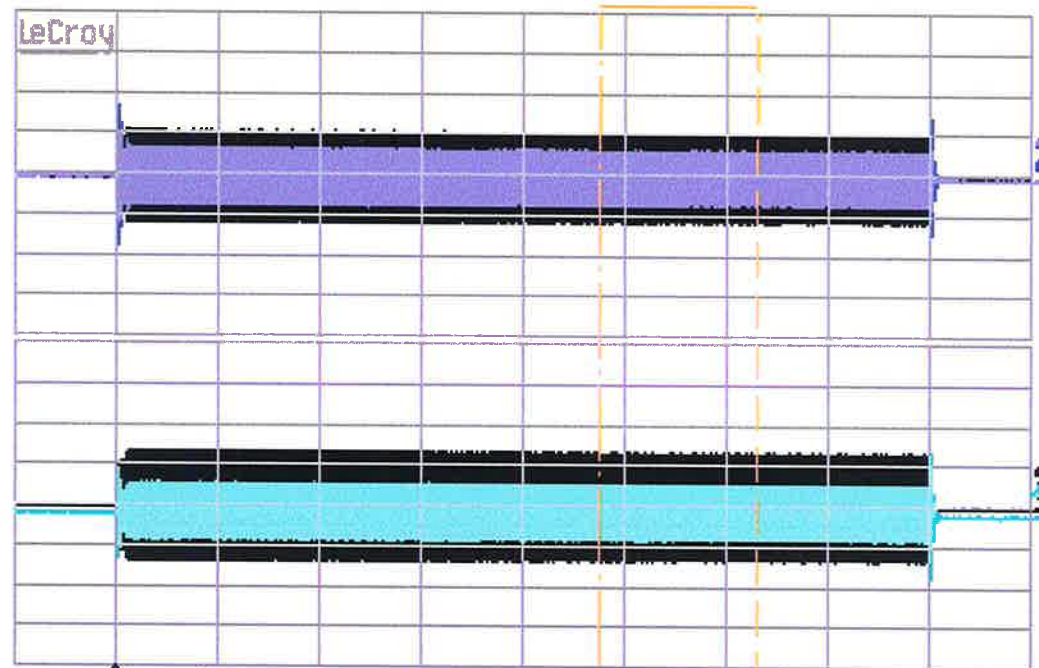
2
1 ms
200 mV

3
1 ms
0.50 V

4
1 ms
200 mV

1 ms

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



86 sweeps:

	average	low	high	sigma
rms(1)	392.8mV	390.2	397.0	2.3
rms(2)	95.2mV	93.5	97.4	1.3
rms(3)	468.7mV	466.0	473.1	2.4
rms(4)	92.9mV	91.4	95.3	1.0
phase(1,3)	78 °	73	84	2



Ext10 DC 0.50 V 50Ω

10 MS/s

☐ NORMAL

14-Nov-22

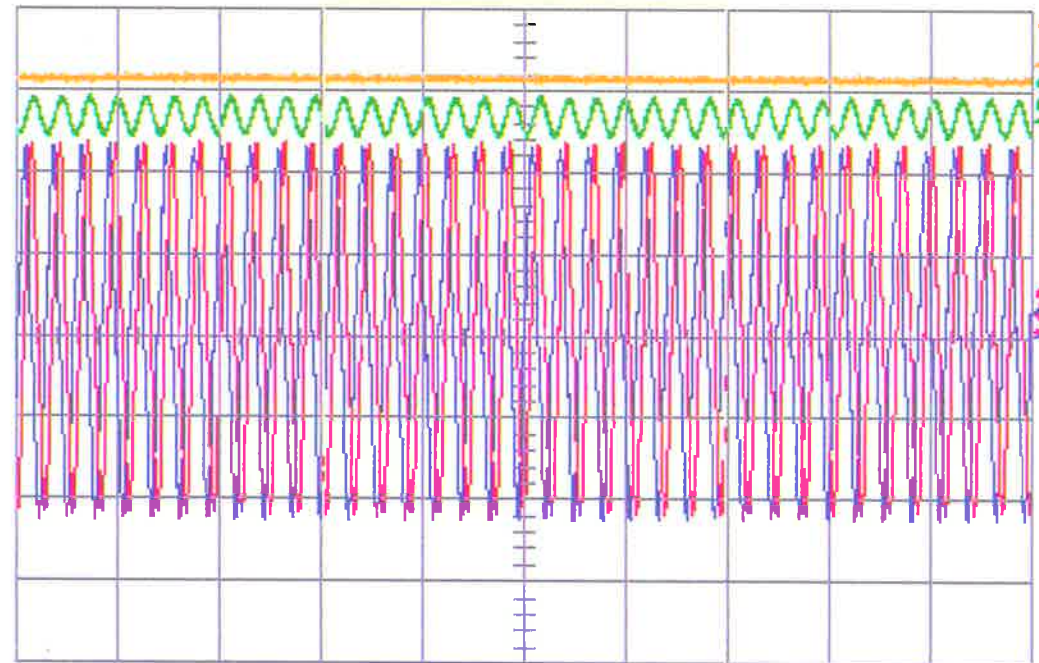
14:51:06

3
2 μ s
1.00 V

1
2 μ s
1.00 V

2
2 μ s
200 mV

4
2 μ s
1.00 V



← 1.0000 ms

	163 sweeps:	average	low	high	sigma
phase(4,3)		89.69 °	84.63	93.61	1.66
pkpk(3)		4.57 V	4.50	4.69	0.05
rms(2)		29.9 mV	28.9	30.6	0.4
rms(4)		1.449 V	1.429	1.469	0.008
rms(3)		1.485 V	1.458	1.519	0.014

2 μ s

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

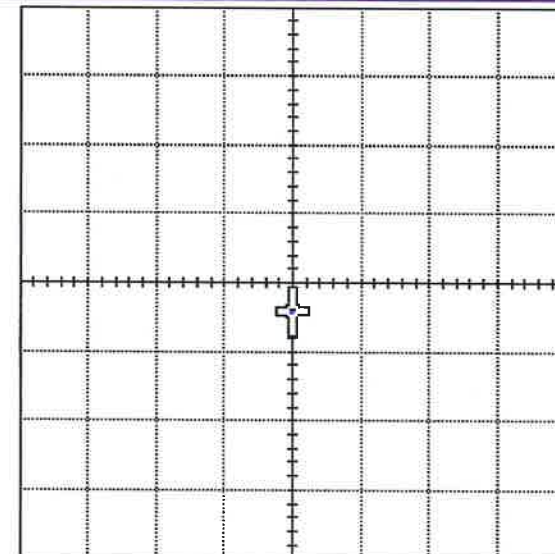
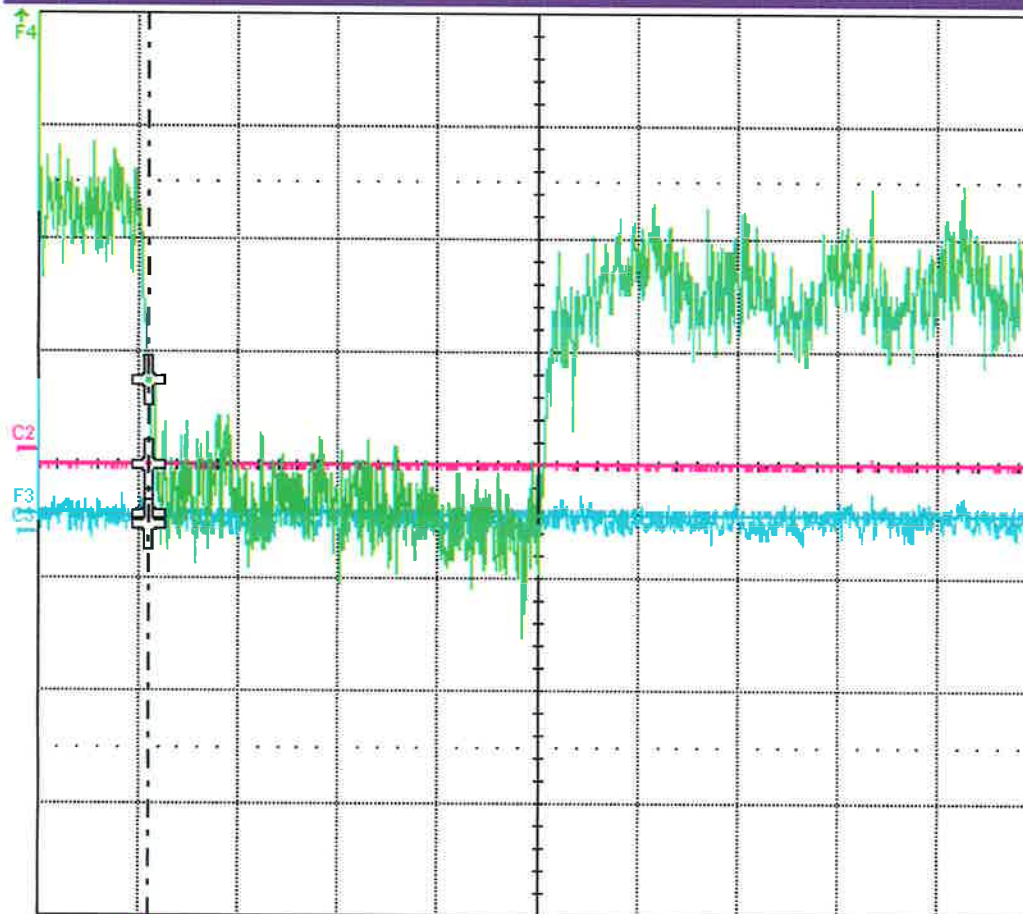


Ext10 DC 0.15 V 50 Ω

1 GS/s

☐ NORMAL

File Vertical Timebase Trigger Display Cursors Measure Math Analysis Utilities Help



$\Delta Y/\Delta X = -48$
 $\Delta Y * \Delta X = -4 \text{ mV}^2$
 $\text{Radius} = 428 \text{ mV}$
 $\text{Angle} = -88.8^\circ$

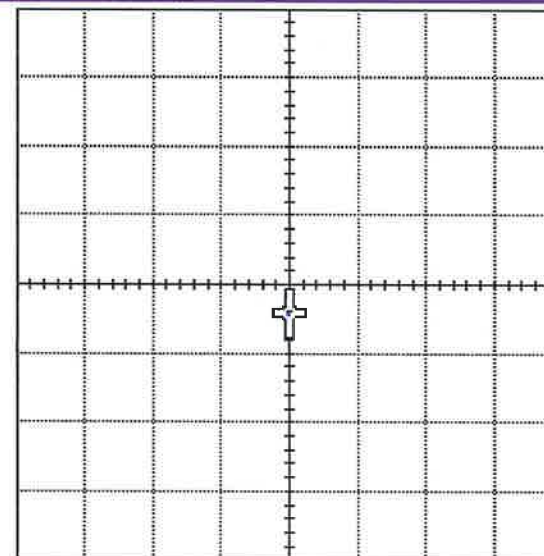
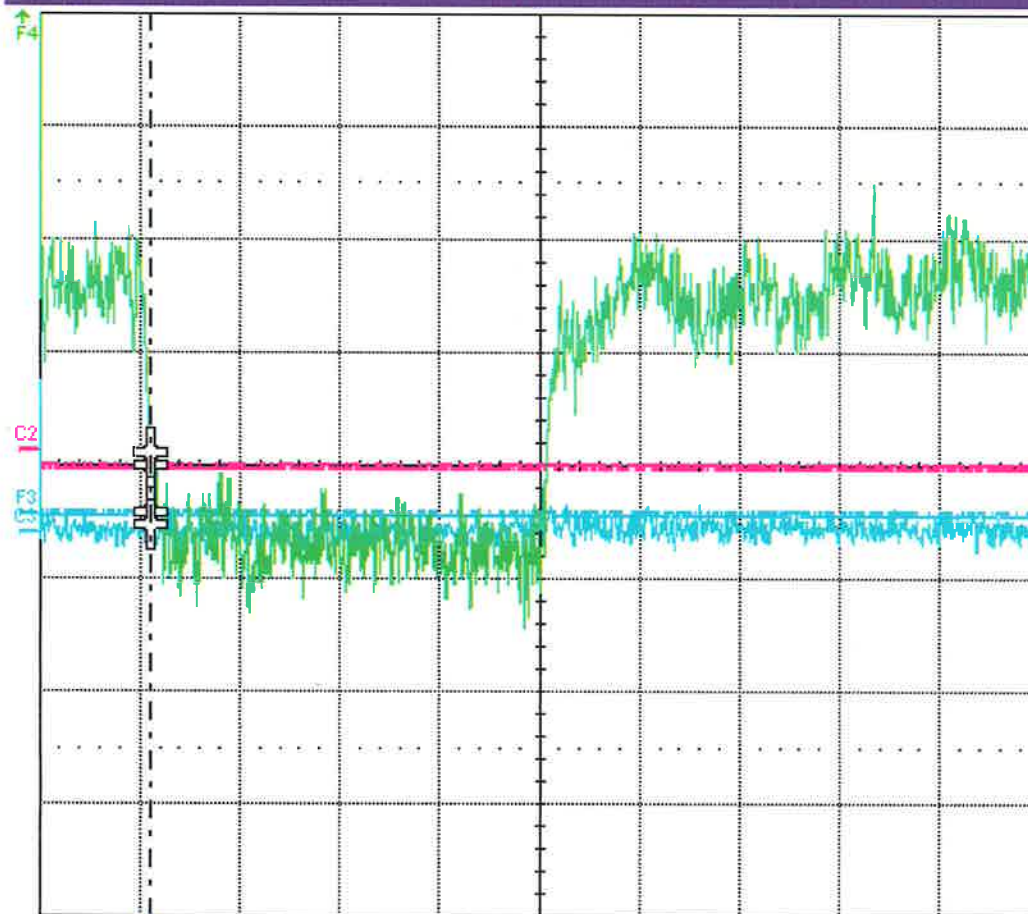
C2	C3	F3	F4	XY	X: C2 Y: C3
FLT DC1M	FLT DC1M	script(C3,C2)	<F3>		
1.00 V/div	1.00 V/div	500e-3/div	10.0e-3/div	1.00 V/div	1.00 V/div
130.0 mV	-590.0 mV	2.00 ms/div	2.00 ms/div	1.00 V/div	1.00 V/div
			177 #		
✚ -121.1 mV	✚ 162.3 mV	✚ -51.4e-3	✚ -442.18e-3	✚ x -121.1 mV	✚ y 162.3 mV

Tbase -7.96 ms
 2.00 ms/div
 10.0 kS 500 kS/s
 Trigger Ext/10 DC
 Normal 130 mV
 Edge Negative
 X1= 180 μ s

LeCroy

11/14/2022 2:52:57 PM

File Vertical Timebase Trigger Display Cursors Measure Math Analysis Utilities Help



$\Delta Y/\Delta X = -60$ $\Delta Y \cdot \Delta X = -3 \text{ mV}^2$
 35.6 dB Angle = -89.1°
 Radius = 423 mV

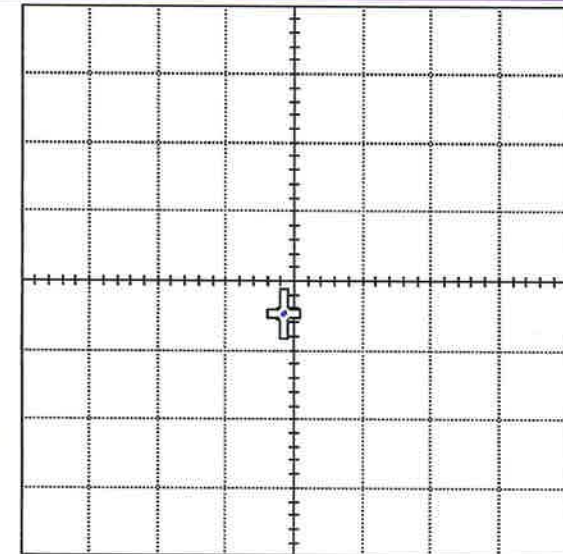
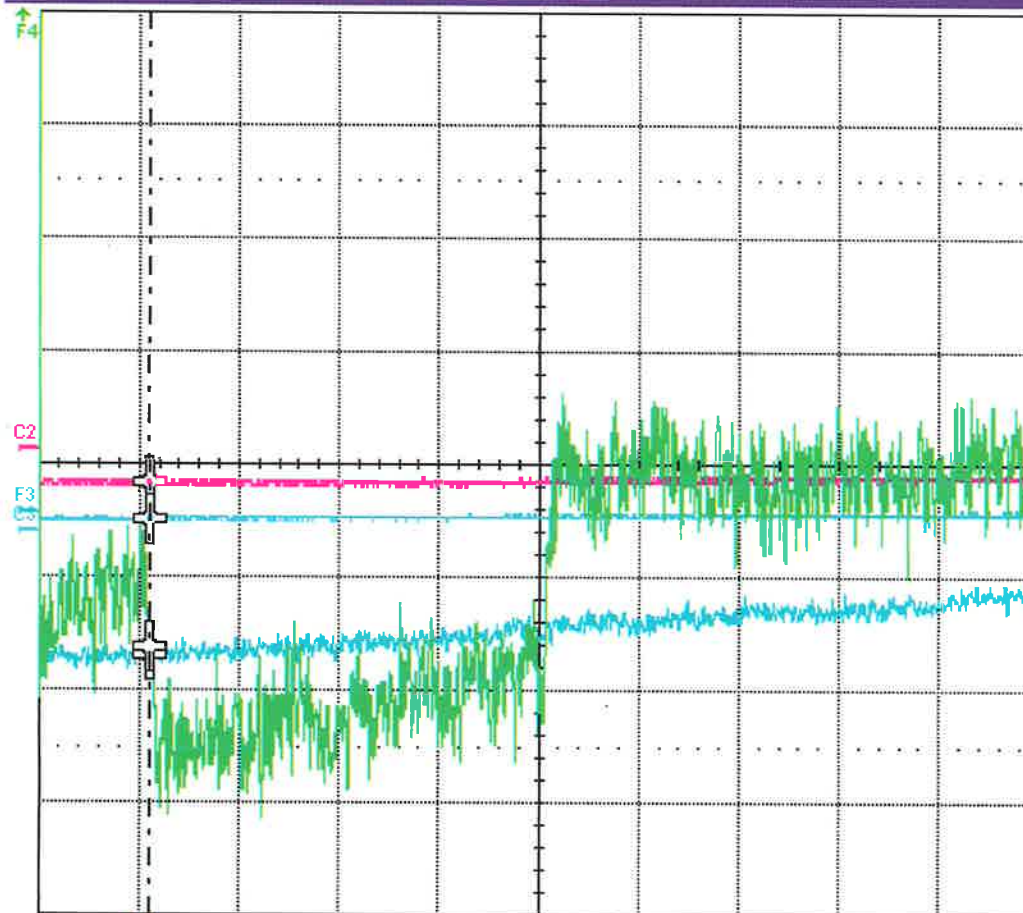
C2	FLT DC1M	C3	FLT DC1M	F3	script(C3,C2)	F4	<F3>	XY	X:C2 Y:C3
1.00 V/div	1.00 V/div	500e-3/div	10.0e-3/div	1.00 V/div	1.00 V/div	2.00 ms/div	2.00 ms/div	1.00 V/div	1.00 V/div
130.0 mV	-590.0 mV	2.00 ms/div	276 #						
✚ -123.3 mV	✚ 166.4 mV	✚ -47.4e-3	✚ -274.85e-3	✚ x -123.3 mV	✚ y 166.4 mV				

Tbase -7.96 ms Trigger Ext/10/DC
 2.00 ms/div Normal 130 mV
 10.0 kS 500 kS/s Edge Negative
 X1= 180 μs

LeCroy

11/14/2022 2:54:36 PM

File Vertical Timebase Trigger Display Cursors Measure Math Analysis Utilities Help



$\Delta Y/\Delta X = 3.1$ $\Delta Y * \Delta X = 76 \text{ mV}^2$
 9.8 dB $\text{Angle} = -108.0^\circ$
 Radius = 509 mV

C2	FLT DC1M	C3	FLT DC1M	F3	script(C3,C2)	F4	<F3>	XY	X:C2 Y:C3
1.00 V/div	1.00 V/div	1.00 V/div	1.00 V/div	500e-3/div	2.00 ms/div	10.0e-3/div	2.00 ms/div	1.00 V/div	1.00 V/div
130.0 mV	-590.0 mV						95 #		
✚ X -287.4 mV	✚ Y 105.5 mV	✚ X -628.9e-3	✚ Y -397.33e-3					✚ X -287.4 mV	✚ Y 105.5 mV

Tbase -7.96 ms Trigger Ext/10/DC
 2.00 ms/div Normal 130 mV
 10.0 kS 500 kS/s Edge Negative
 X1= 180 μs

LeCroy

11/14/2022 2:57:44 PM

