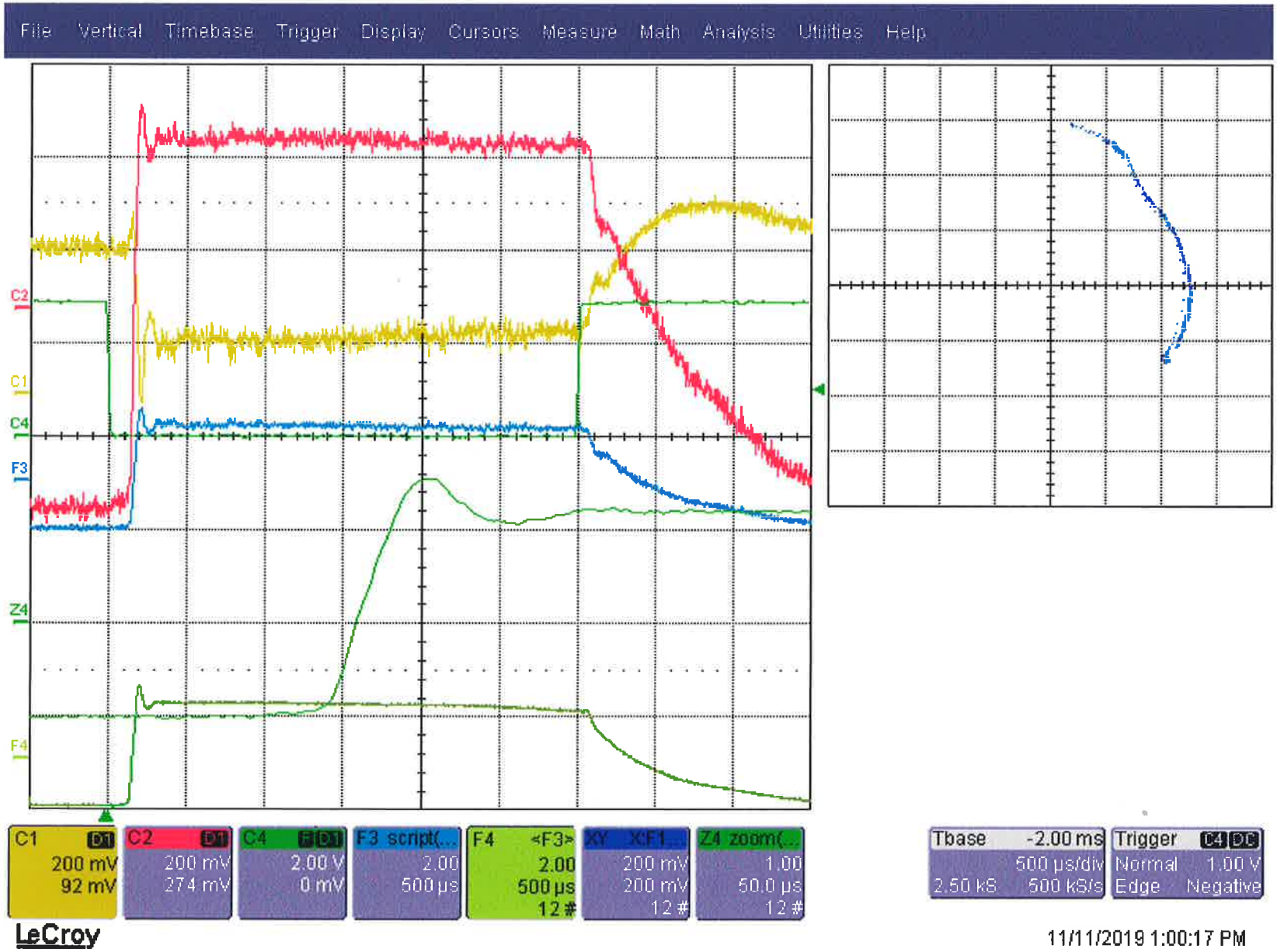
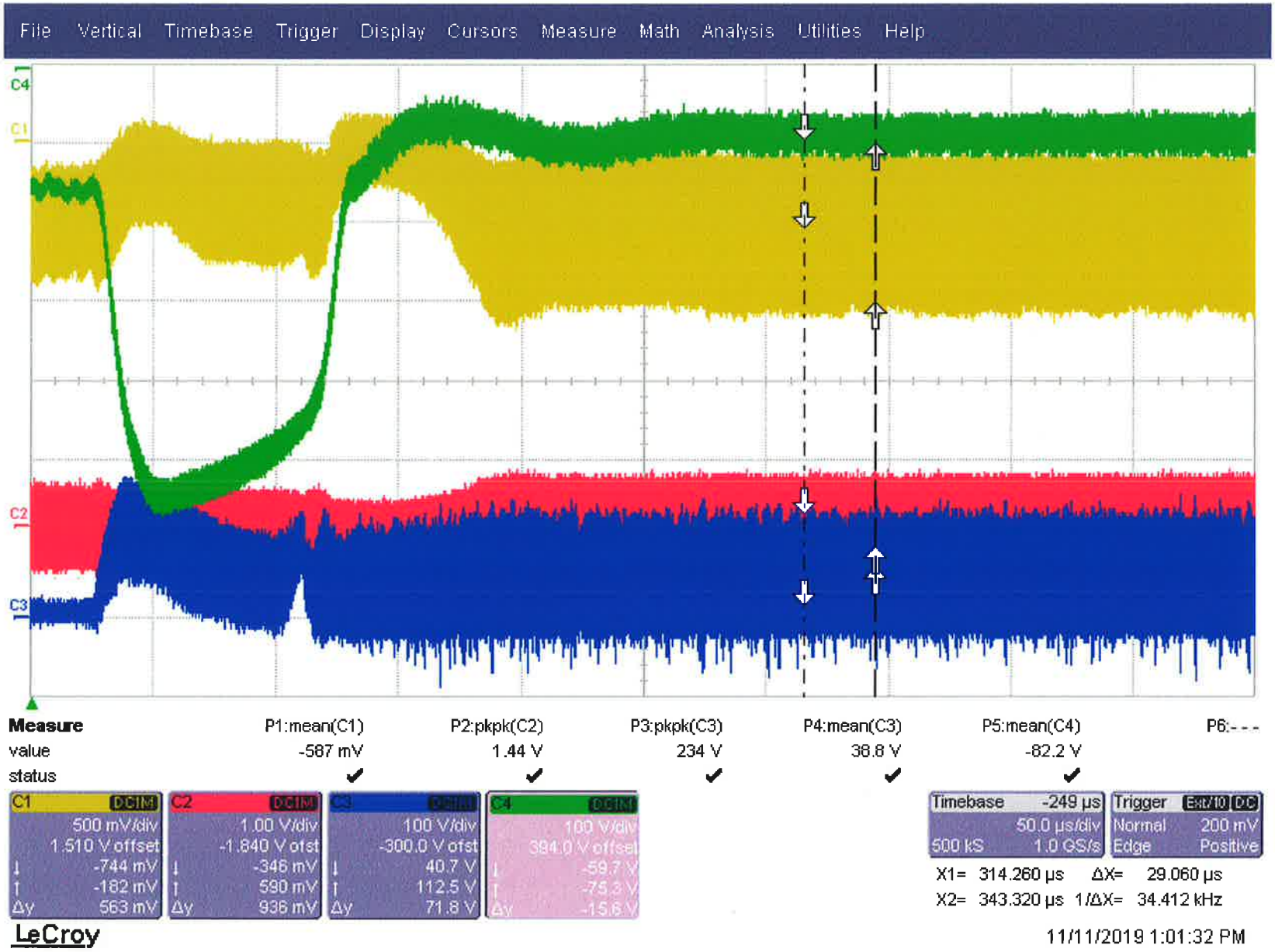
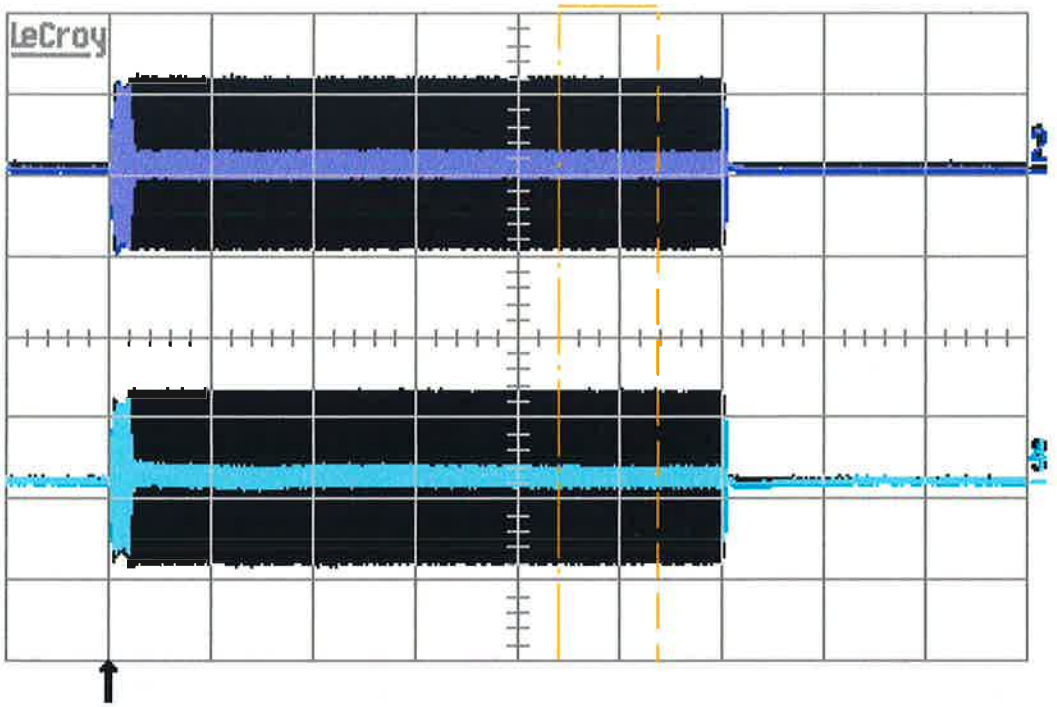

File Vertical Timebase Trigger Display Cursors Measure Math Analysis Utilities Help
C2
C1
C4
F3
Z4
F4
C1 D1
200 mV
92 mV
C2 D1
200 mV
274 mV
C4 D1
2.00 V
0 mV
F3 script(...
2.00
500 µs
F4 <F3>
2.00
500 µs
12 #
XY XF1...
200 mV
200 mV
12 #
Z4 zoom(...
1.00
50.0 µs
12 #
Tbase -2.00 ms
500 µs/div
2.50 kS 500 kS/s
Trigger C4 DC
Normal 1.00 V
Edge Negative
LeCroy
11/11/2019 1:00:17 PM


File Vertical Timebase Trigger Display Cursors Measure Math Analysis Utilities Help
C4
C1
C2
C3
Measure
P1:mean(C1)
P2:pkpk(C2)
P3:pkpk(C3)
P4:mean(C3)
P5:mean(C4)
P6:- - -
value
-587 mV
1.44 V
234 V
38.8 V
-82.2 V
status
C1 DC1M
500 mV/div
1.510 V offset
-744 mV
-182 mV
Δy 563 mV
C2 DC1M
1.00 V/div
-1.840 V ofst
-346 mV
590 mV
Δy 936 mV
C3 DC1M
100 V/div
-300.0 V ofst
40.7 V
112.5 V
Δy 71.8 V
C4 DC1M
100 V/div
394.0 V offset
-59.7 V
-75.3 V
Δy -15.6 V
Timebase -249 µs
50.0 µs/div
500 kS 1.0 GS/s
Trigger Ext/10 DC
Normal 200 mV
Edge Positive
X1= 314.260 µs ΔX= 29.060 µs
X2= 343.320 µs 1/ΔX= 34.412 kHz
LeCroy
11/11/2019 1:01:32 PM

11-Nov-19
13:02:05




| | 4 sweeps: | average | low | high | sigma |
|---|---|---|---|---|---|
| rms(1) | | 362.9mV | 361.7 | 363.8 | 0.9 |
| rms(2) | | 24.8mV | 24.4 | 25.2 | 0.4 |
| rms(3) | | 368.8mV | 367.8 | 369.5 | 0.7 |
| rms(4) | | 20.0mV | 19.5 | 20.6 | 0.6 |
| phase(1,3) | | 84 ° | 69 | 96 | 8 |

1 .5 ms
0.50 V

2 .5 ms
200mV

3 .5 ms
0.50 V

4 .5 ms
200mV

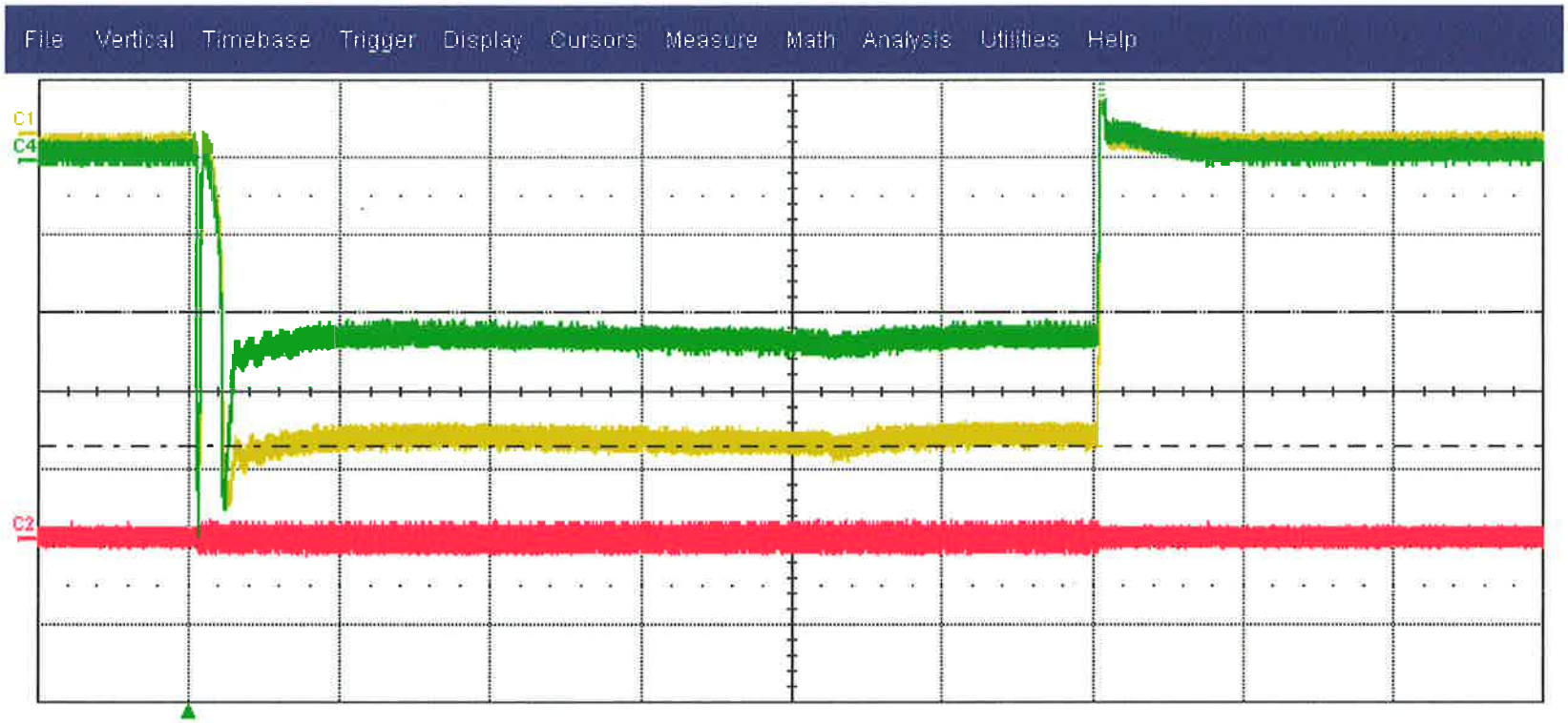
.5 ms

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

Ext10 DC 0.60 V 1MΩ

20 MS/s

NORMAL




| **Measure** | P1:mean(Z1) | P2:mean(Z4) | P3:mean(C1) | P4:mean(C4) | P5:phase(C1,C4) | P6:- - - |
|---|---|---|---|---|---|---|
| value | -79.08 mV | -46.54 mV | -78.87 mV | -46.11 mV | --- | |
| mean | -78.8540 mV | -46.1157 mV | -78.5223 mV | -45.8413 mV | --- | |
| min | -80.14 mV | -47.51 mV | -79.79 mV | -47.05 mV | --- | |
| max | -77.34 mV | -44.62 mV | -76.78 mV | -44.32 mV | --- | |
| sdev | 981.3 µV | 904.9 µV | 934.3 µV | 798.9 µV | --- | |
| num | 8 | 8 | 8 | 8 | 0 | |
| status | ✔ | ✔ | ✔ | ✔ | | |

| C1 DC1M | C2 DC1M | C4 DC1M | Timebase -2.00 ms | Trigger Ext/10 DC |
|---|---|---|---|---|
| 20.0 mV/div | 1.00 V/div | 20.0 mV/div | 500 µs/div | Normal 200 mV |
| 66.00 mV ofst | -1.890 V ofst | 59.00 mV ofst | 1.00 MS 200 MS/s | Edge Negative |
| ---- -80.0 mV | ---- 1.19 V | ---- -73.0 mV | | |
| ------ -46.0 mV | ------ 2.89 V | ------ -39.0 mV | | |
| Δy 34.0 mV | Δy 1.70 V | Δy 34.0 mV | | |

LeCroy

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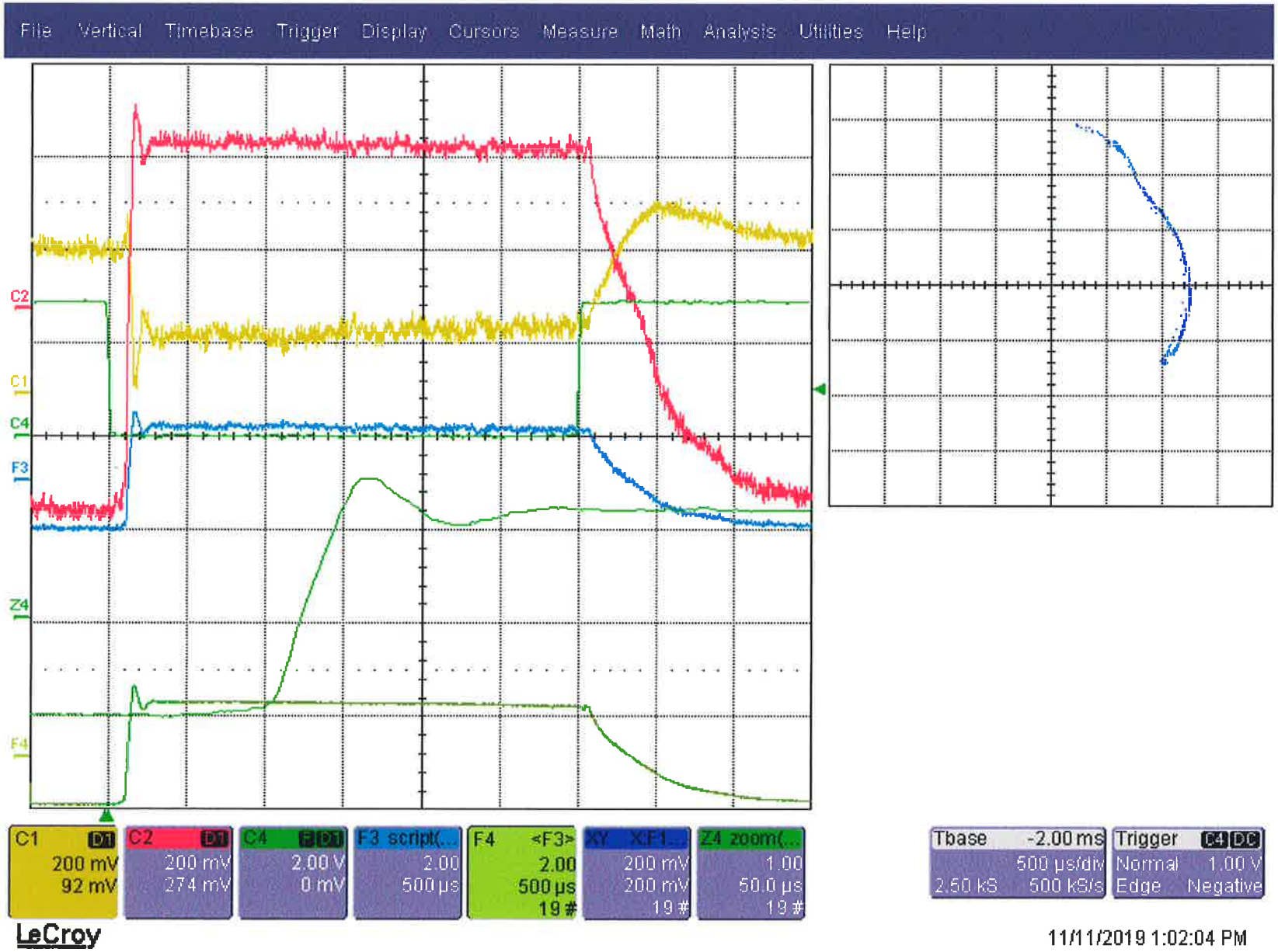
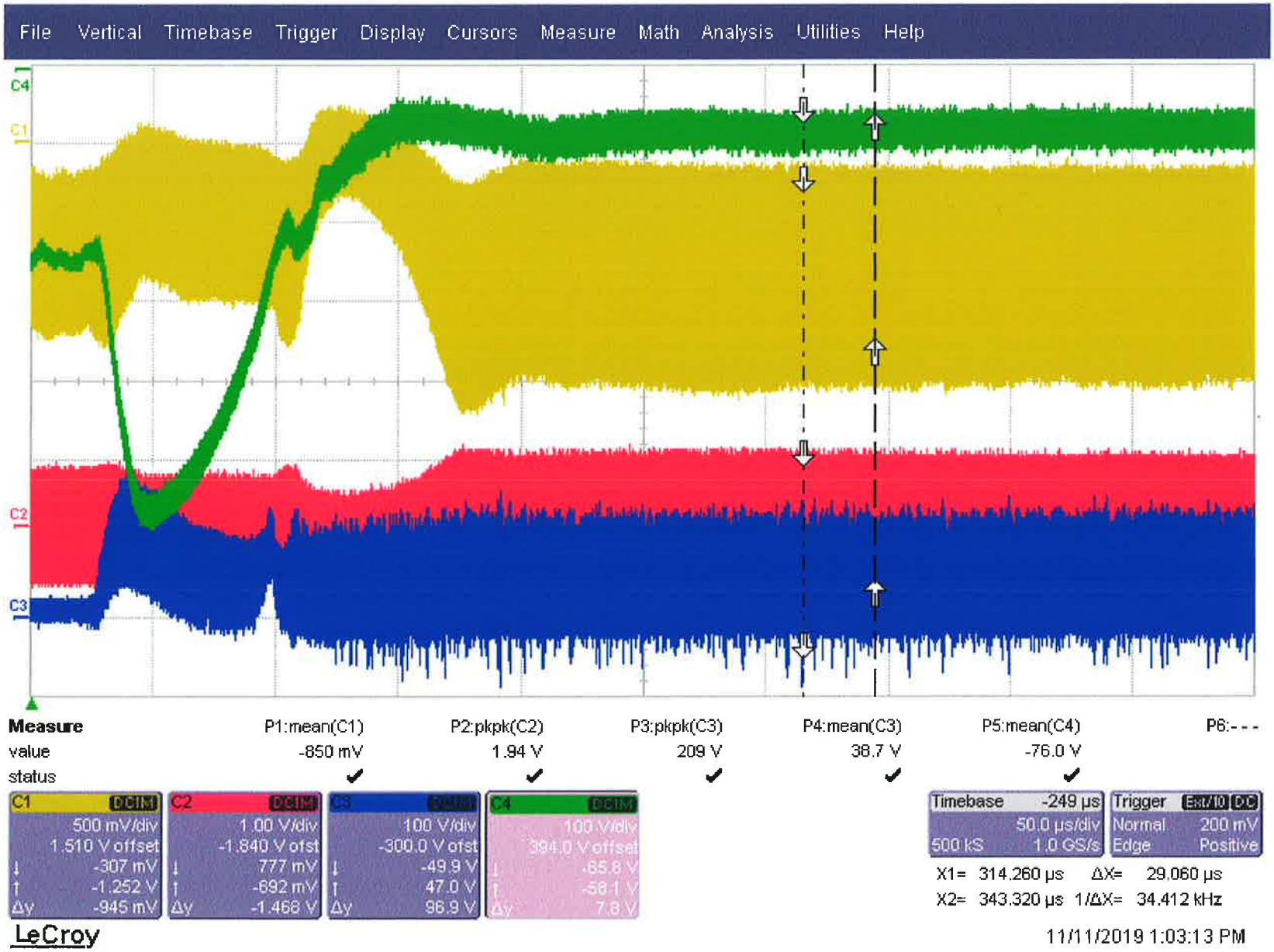
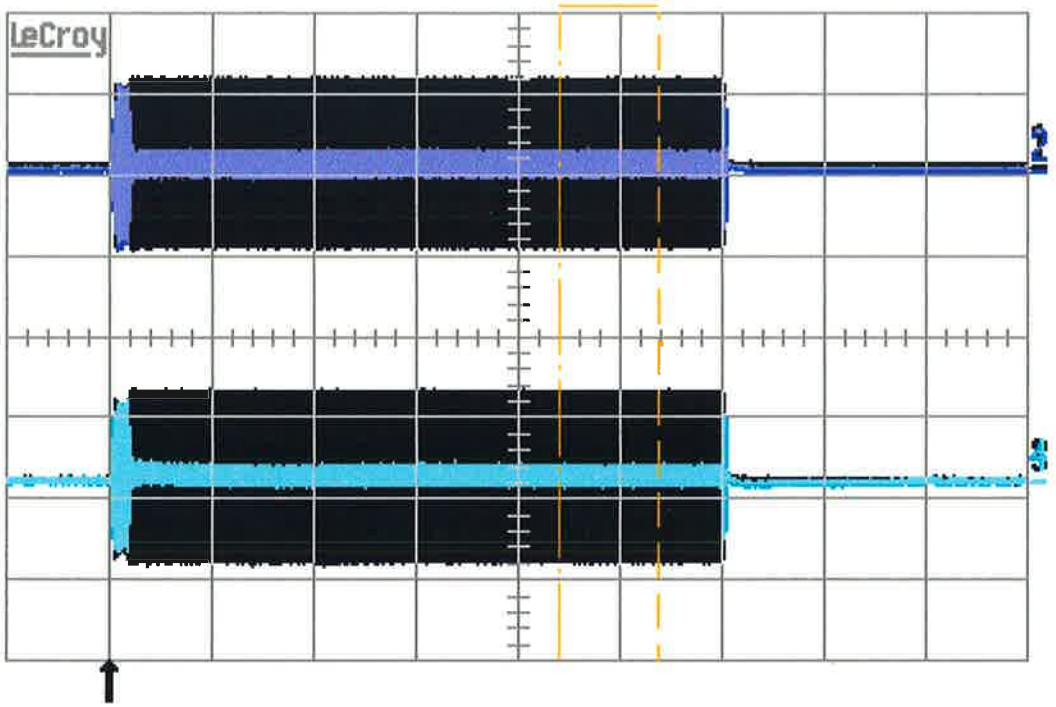

File Vertical Timebase Trigger Display Cursors Measure Math Analysis Utilities Help
C2
C1
C4
F3
Z4
F4
C1 D1
200 mV
92 mV
C2 D1
200 mV
274 mV
C4 F D1
2.00 V
0 mV
F3 script(...
2.00
500 µs
F4 <F3>
2.00
500 µs
19 #
XY XF1...
200 mV
200 mV
19 #
Z4 zoom(...
1.00
50.0 µs
19 #
Tbase -2.00 ms
500 µs/div
2.50 kS 500 kS/s
Trigger C4 DC
Normal 1.00 V
Edge Negative
LeCroy
11/11/2019 1:02:04 PM


File Vertical Timebase Trigger Display Cursors Measure Math Analysis Utilities Help
C4
C1
C2
C3
Measure
value
status
P1:mean(C1)
-850 mV
P2:pkpk(C2)
1.94 V
P3:pkpk(C3)
209 V
P4:mean(C3)
38.7 V
P5:mean(C4)
-76.0 V
P6:- - -
C1 DC1M
500 mV/div
1.510 V offset
-307 mV
-1.252 V
Δy -945 mV
C2 DC1M
1.00 V/div
-1.840 V ofst
777 mV
-692 mV
Δy -1.468 V
C3 DC1M
100 V/div
-300.0 V ofst
-49.9 V
47.0 V
Δy 96.9 V
C4 DC1M
100 V/div
394.0 V offset
-85.8 V
-58.1 V
Δy 7.8 V
Timebase -249 µs
50.0 µs/div
500 kS 1.0 GS/s
Trigger Ext/10 DC
Normal 200 mV
Edge Positive
X1= 314.260 µs ΔX= 29.060 µs
X2= 343.320 µs 1/ΔX= 34.412 kHz
LeCroy
11/11/2019 1:03:13 PM

11-Nov-19
13:04:12




| | 5 sweeps: | average | low | high | sigma |
|---|---|---|---|---|---|
| rms(1) | | 363.0mV | 361.6 | 364.7 | 1.2 |
| rms(2) | | 25.3mV | 24.9 | 25.8 | 0.3 |
| rms(3) | | 368.9mV | 367.6 | 370.4 | 1.1 |
| rms(4) | | 20.5mV | 19.8 | 21.2 | 0.5 |
| phase(1,3) | | 84 ° | 68 | 97 | 7 |

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

Ext10 DC 0.60 V 1MΩ

20 MS/s

NORMAL

| Measure | P1:mean(Z1) | P2:mean(Z4) | P3:mean(C1) | P4:mean(C4) | P5:phase(C1,C4) | P6:- - - |
|---|---|---|---|---|---|---|
| value | -79.33 mV | -46.39 mV | -78.98 mV | -45.58 mV | --- | |
| mean | -78.6680 mV | -46.0642 mV | -78.6797 mV | -45.8806 mV | --- | |
| min | -80.58 mV | -48.28 mV | -81.28 mV | -48.33 mV | --- | |
| max | -77.25 mV | -44.48 mV | -77.23 mV | -44.28 mV | --- | |
| sdev | 1.0059 mV | 1.1307 mV | 1.2179 mV | 1.1597 mV | --- | |
| num | 9 | 9 | 9 | 9 | 0 | |
| status | ✔ | ✔ | ✔ | ✔ | | |

C1 DC1M
20.0 mV/div
66.00 mV ofst
----- -80.0 mV
----- -46.0 mV
Δy 34.0 mV

C2 DC1M
1.00 V/div
-1.890 V ofst
----- 1.19 V
----- 2.89 V
Δy 1.70 V

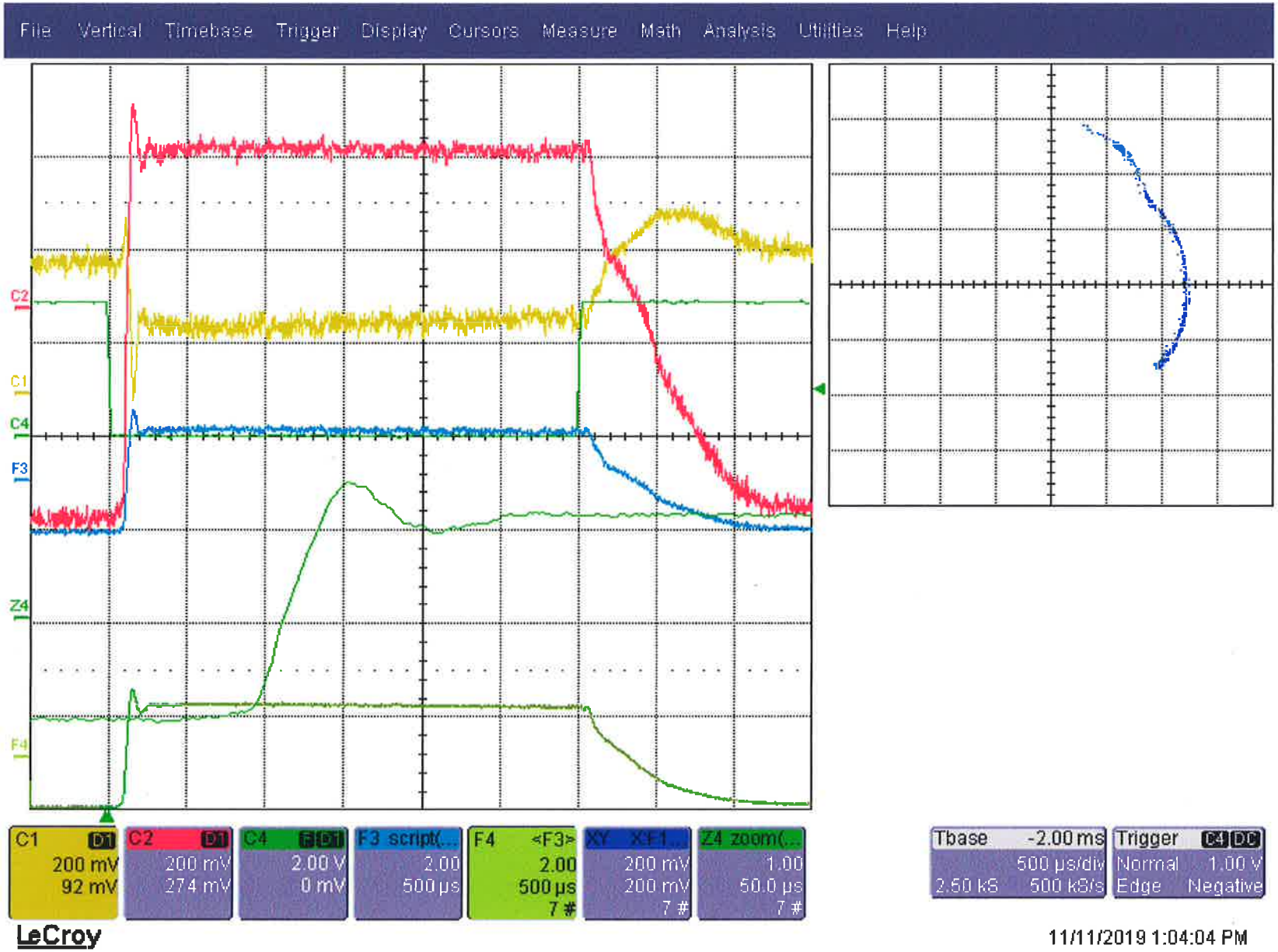
C4 DC1M
20.0 mV/div
59.00 mV ofst
----- -73.0 mV
----- -39.0 mV
Δy 34.0 mV

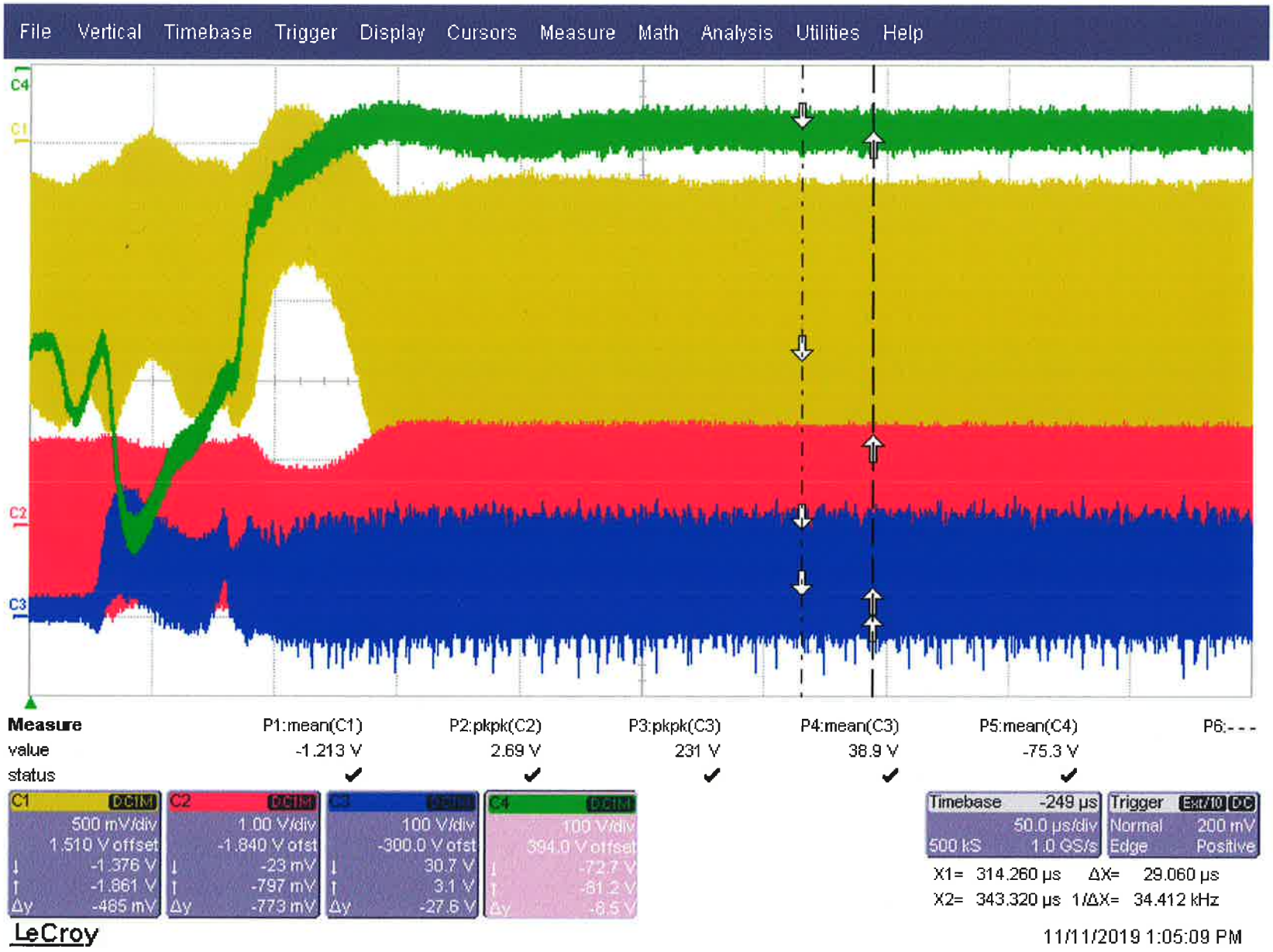
Timebase -2.00 ms
500 µs/div
1.00 MS 200 MS/s

Trigger EXT/10 DC
Normal 200 mV
Edge Negative

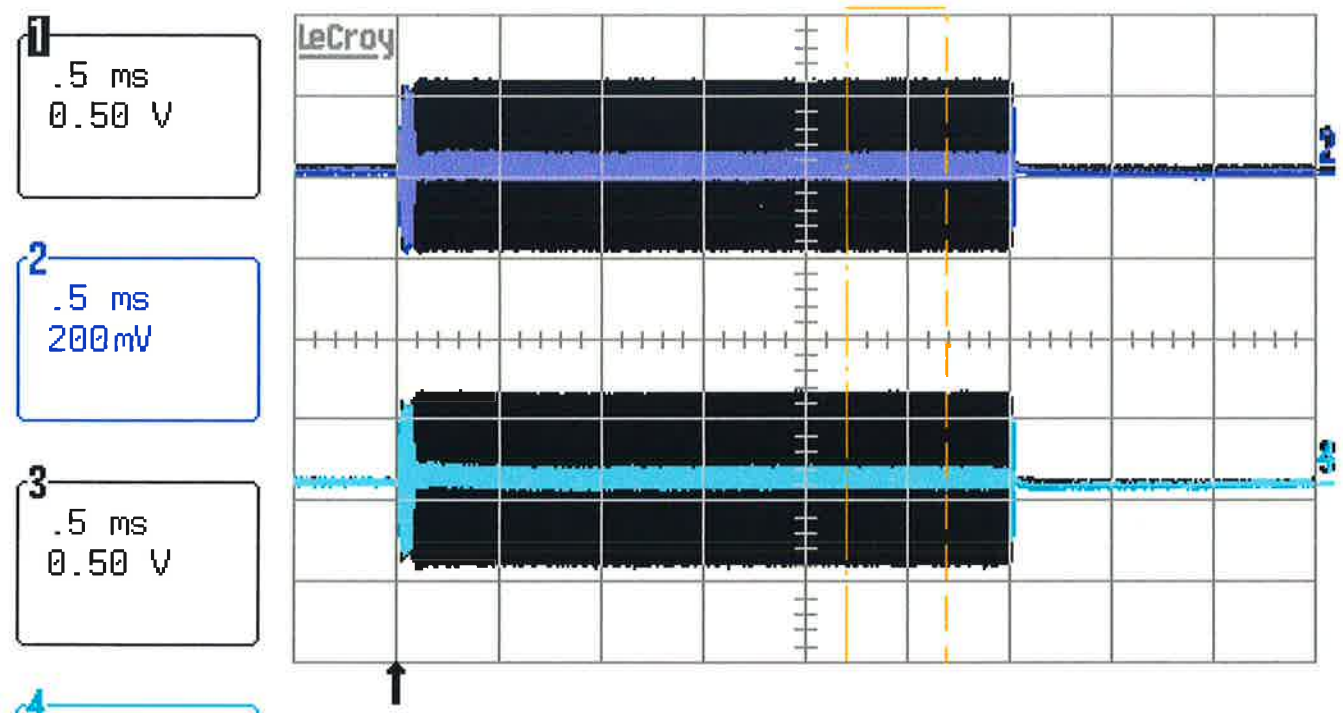
LeCroy

11/11/2019 1:04:02 PM


File Vertical Timebase Trigger Display Cursors Measure Math Analysis Utilities Help
C2
C1
C4
F3
Z4
F4
C1 D1
200 mV
92 mV
C2 D1
200 mV
274 mV
C4 D1
2.00 V
0 mV
F3 script(...
2.00
500 µs
F4 <F3>
2.00
500 µs
7 #
XY XY1...
200 mV
200 mV
7 #
Z4 zoom(...
1.00
50.0 µs
7 #
Tbase -2.00 ms
500 µs/div
2.50 kS 500 kS/s
Trigger C4 DC
Normal 1.00 V
Edge Negative
LeCroy
11/11/2019 1:04:04 PM


File Vertical Timebase Trigger Display Cursors Measure Math Analysis Utilities Help
C4
C1
C2
C3
Measure
P1:mean(C1)
P2:pkpk(C2)
P3:pkpk(C3)
P4:mean(C3)
P5:mean(C4)
P6:- - -
value
-1.213 V
2.69 V
231 V
38.9 V
-75.3 V
status
C1 DC1M
500 mV/div
1.510 V offset
-1.376 V
-1.861 V
Δy -485 mV
C2 DC1M
1.00 V/div
-1.840 V ofst
-23 mV
-797 mV
Δy -773 mV
C3 DC1M
100 V/div
-300.0 V ofst
30.7 V
3.1 V
Δy -27.6 V
C4 DC1M
100 V/div
394.0 V offset
-72.7 V
-81.2 V
Δy -8.5 V
Timebase -249 µs
50.0 µs/div
500 kS 1.0 GS/s
Trigger Ext/10 DC
Normal 200 mV
Edge Positive
X1= 314.260 µs ΔX= 29.060 µs
X2= 343.320 µs 1/ΔX= 34.412 kHz
LeCroy
11/11/2019 1:05:09 PM

11-Nov-19
13:05:46




| 5 sweeps: | average | low | high | sigma |
|---|---|---|---|---|
| rms(1) | 363.4mV | 361.8 | 365.1 | 1.3 |
| rms(2) | 25.4mV | 24.8 | 26.1 | 0.5 |
| rms(3) | 369.3mV | 367.8 | 371.1 | 1.3 |
| rms(4) | 20.9mV | 20.3 | 21.4 | 0.5 |
| phase(1,3) | 84 ° | 68 | 97 | 8 |

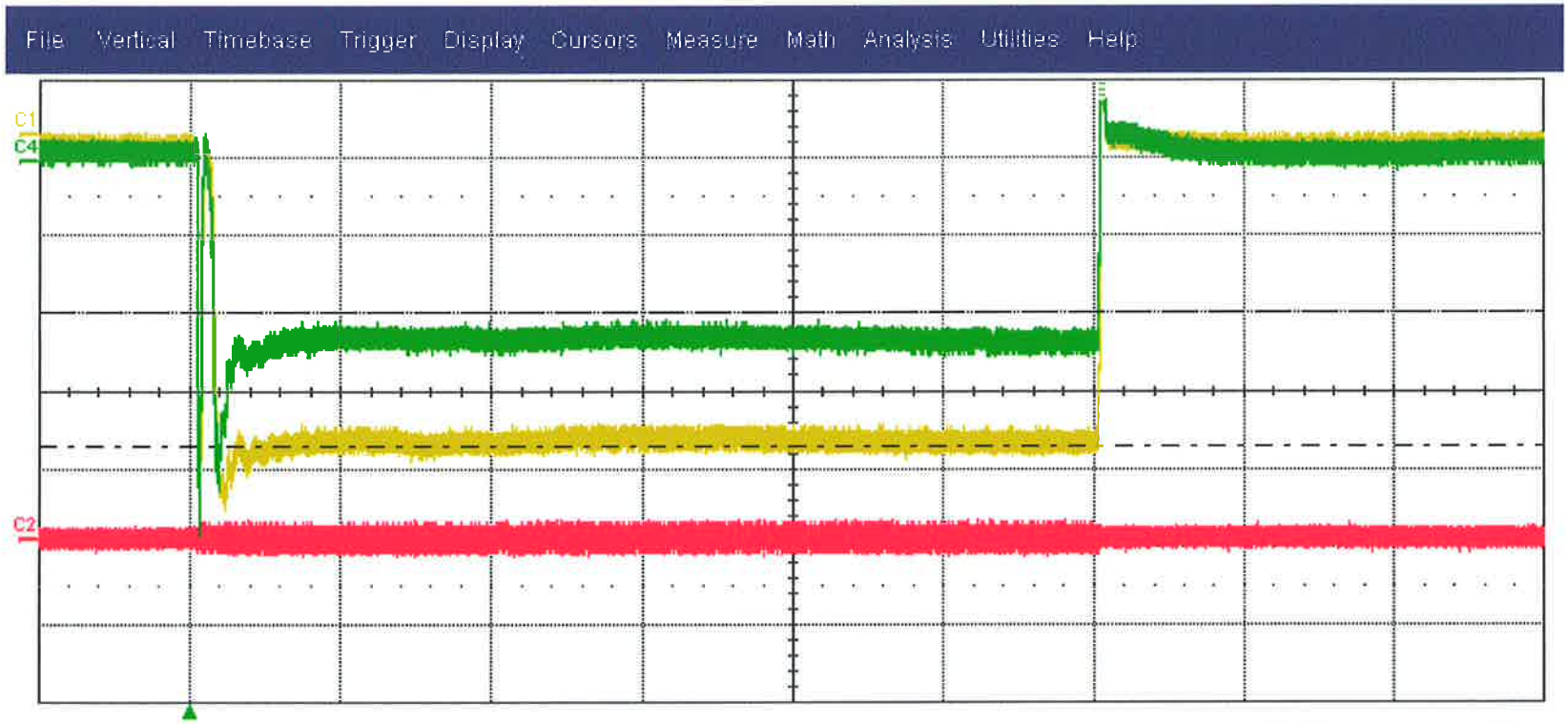
.5 ms

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

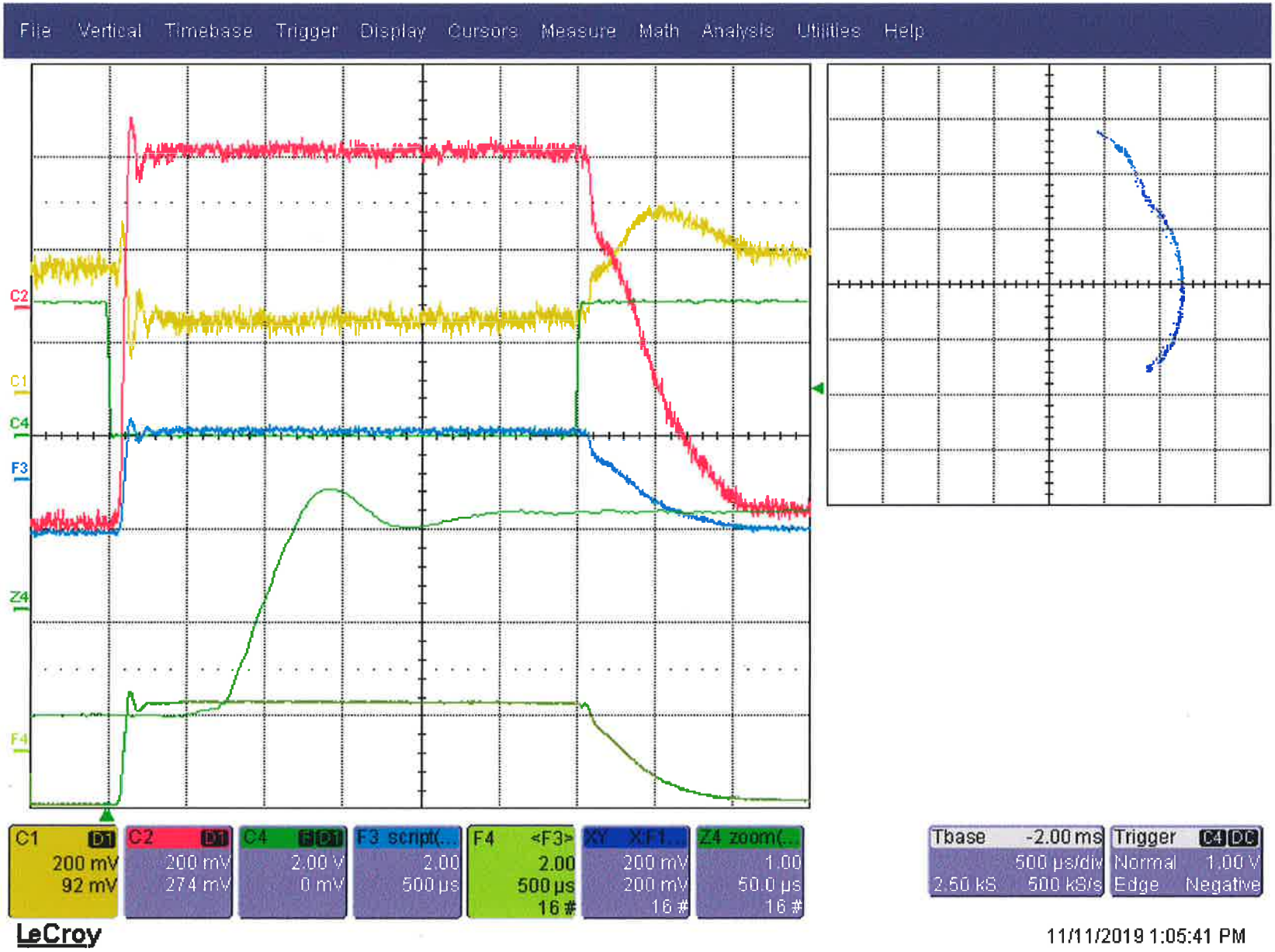
Ext10 DC 0.60 V 1MΩ

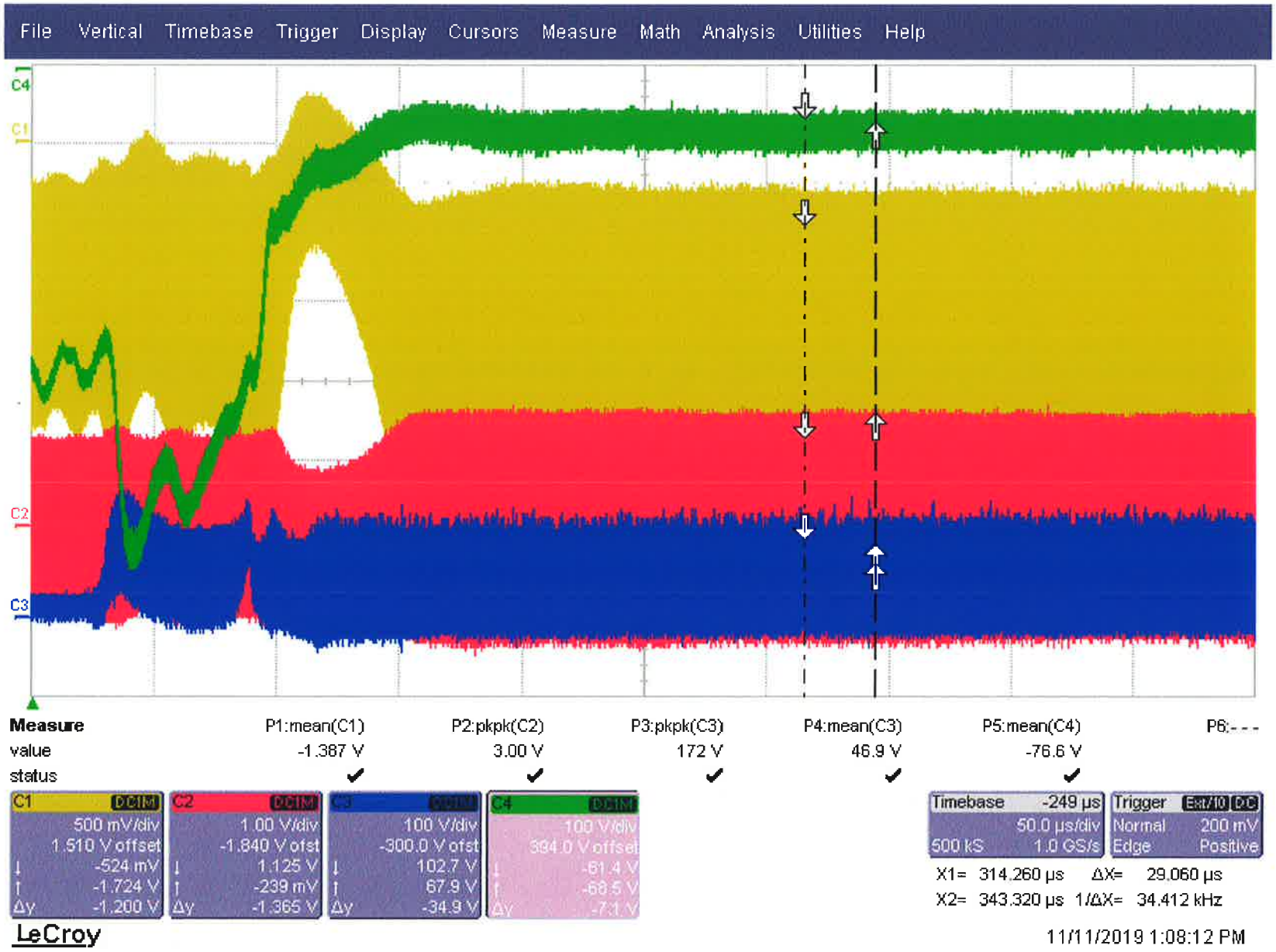
20 MS/s

NORMAL

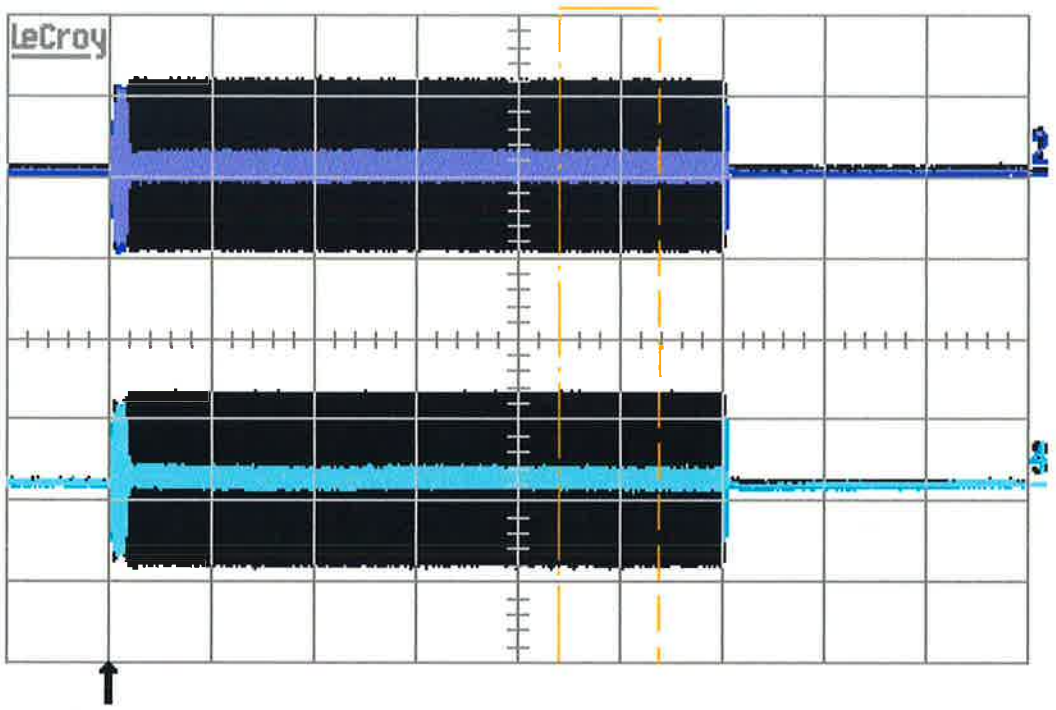



| Measure | P1:mean(Z1) | P2:mean(Z4) | P3:mean(C1) | P4:mean(C4) | P5:phase(C1,C4) | P6:- - - |
|---|---|---|---|---|---|---|
| value | -78.55 mV | -45.63 mV | -78.31 mV | -45.11 mV | --- | |
| mean | -78.3158 mV | -45.6534 mV | -78.3512 mV | -45.5380 mV | --- | |
| min | -79.01 mV | -46.72 mV | -79.53 mV | -46.71 mV | --- | |
| max | -77.01 mV | -44.13 mV | -77.19 mV | -44.60 mV | --- | |
| sdev | 694.6 µV | 750.0 µV | 642.8 µV | 558.1 µV | --- | |
| num | 9 | 9 | 9 | 9 | 0 | |
| status | ✔ | ✔ | ✔ | ✔ | | |


File Vertical Timebase Trigger Display Cursors Measure Math Analysis Utilities Help
C2
C1
C4
F3
Z4
F4
C1 D1
200 mV
92 mV
C2 D1
200 mV
274 mV
C4 D1
2.00 V
0 mV
F3 script(...
2.00
500 µs
F4 <F3>
2.00
500 µs
16 #
XY XF1...
200 mV
200 mV
16 #
Z4 zoom(...
1.00
50.0 µs
16 #
Tbase -2.00 ms
500 µs/div
2.50 kS 500 kS/s
Trigger C4 DC
Normal 1.00 V
Edge Negative
LeCroy
11/11/2019 1:05:41 PM


File Vertical Timebase Trigger Display Cursors Measure Math Analysis Utilities Help
C4
C1
C2
C3
Measure P1:mean(C1) P2:pkpk(C2) P3:pkpk(C3) P4:mean(C3) P5:mean(C4) P6:- - -
value -1.387 V 3.00 V 172 V 46.9 V -76.6 V
status
C1 DC1M 500 mV/div 1.510 V offset -524 mV -1.724 V -1.200 V
C2 DC1M 1.00 V/div -1.840 V ofst 1.125 V -239 mV -1.365 V
C3 100 V/div -300.0 V ofst 102.7 V 67.9 V -34.9 V
C4 100 V/div 394.0 V offset -61.4 V -68.5 V -7.1 V
Timebase -249 µs 50.0 µs/div 500 kS 1.0 GS/s
Trigger Ext/10 DC Normal 200 mV Edge Positive
X1= 314.260 µs ΔX= 29.060 µs
X2= 343.320 µs 1/ΔX= 34.412 kHz
LeCroy
11/11/2019 1:08:12 PM

11-Nov-19
13:08:44




| | 8 sweeps: | average | low | high | sigma |
|---|---|---|---|---|---|
| rms(1) | | 362.7mV | 361.1 | 365.0 | 1.3 |
| rms(2) | | 27.6mV | 26.7 | 28.2 | 0.4 |
| rms(3) | | 368.0mV | 366.0 | 370.3 | 1.3 |
| rms(4) | | 20.5mV | 19.3 | 21.3 | 0.7 |
| phase(1,3) | | 84 ° | 69 | 96 | 7 |

1 .5 ms
0.50 V

2 .5 ms
200mV

3 .5 ms
0.50 V

4 .5 ms
200mV

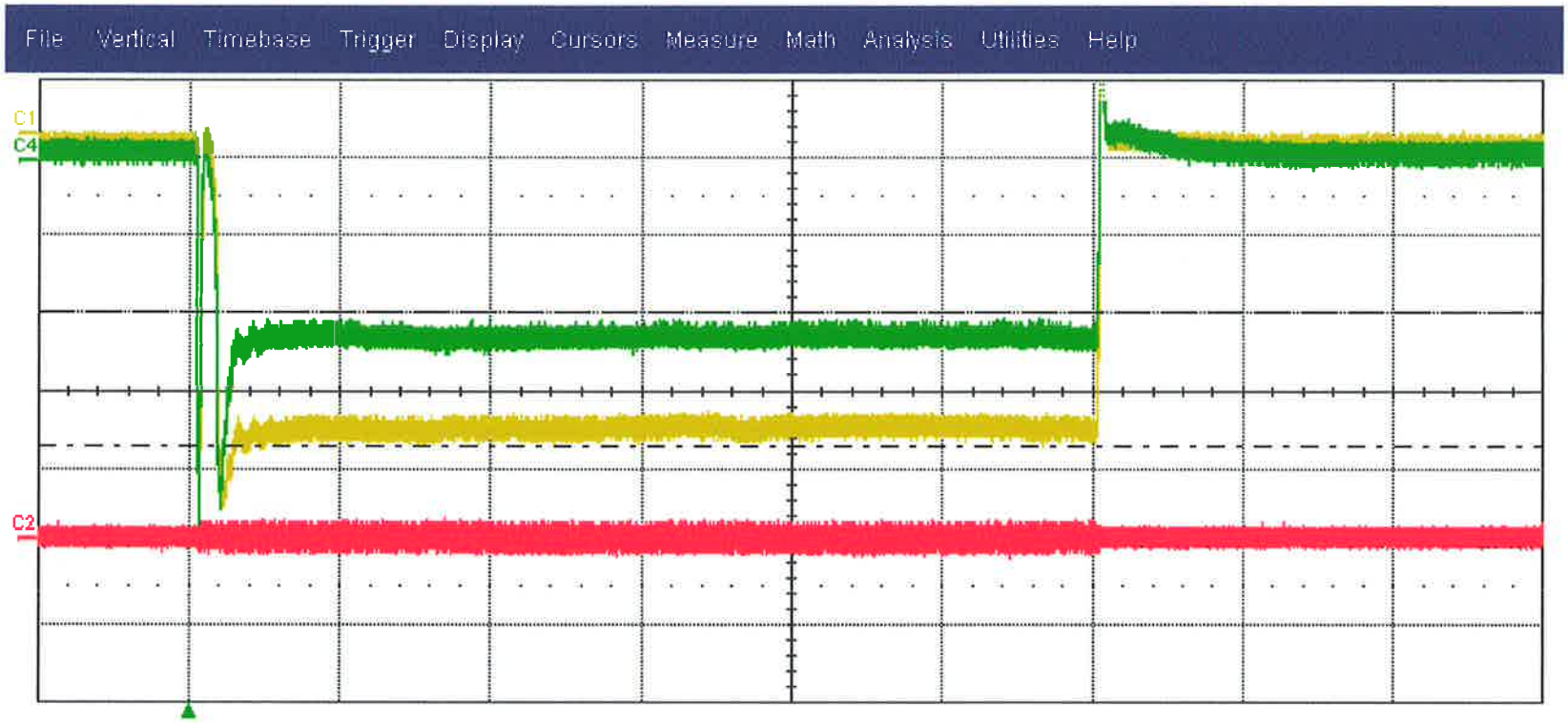
.5 ms

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

Ext10 DC 0.60 V 1MΩ

20 MS/s

NORMAL

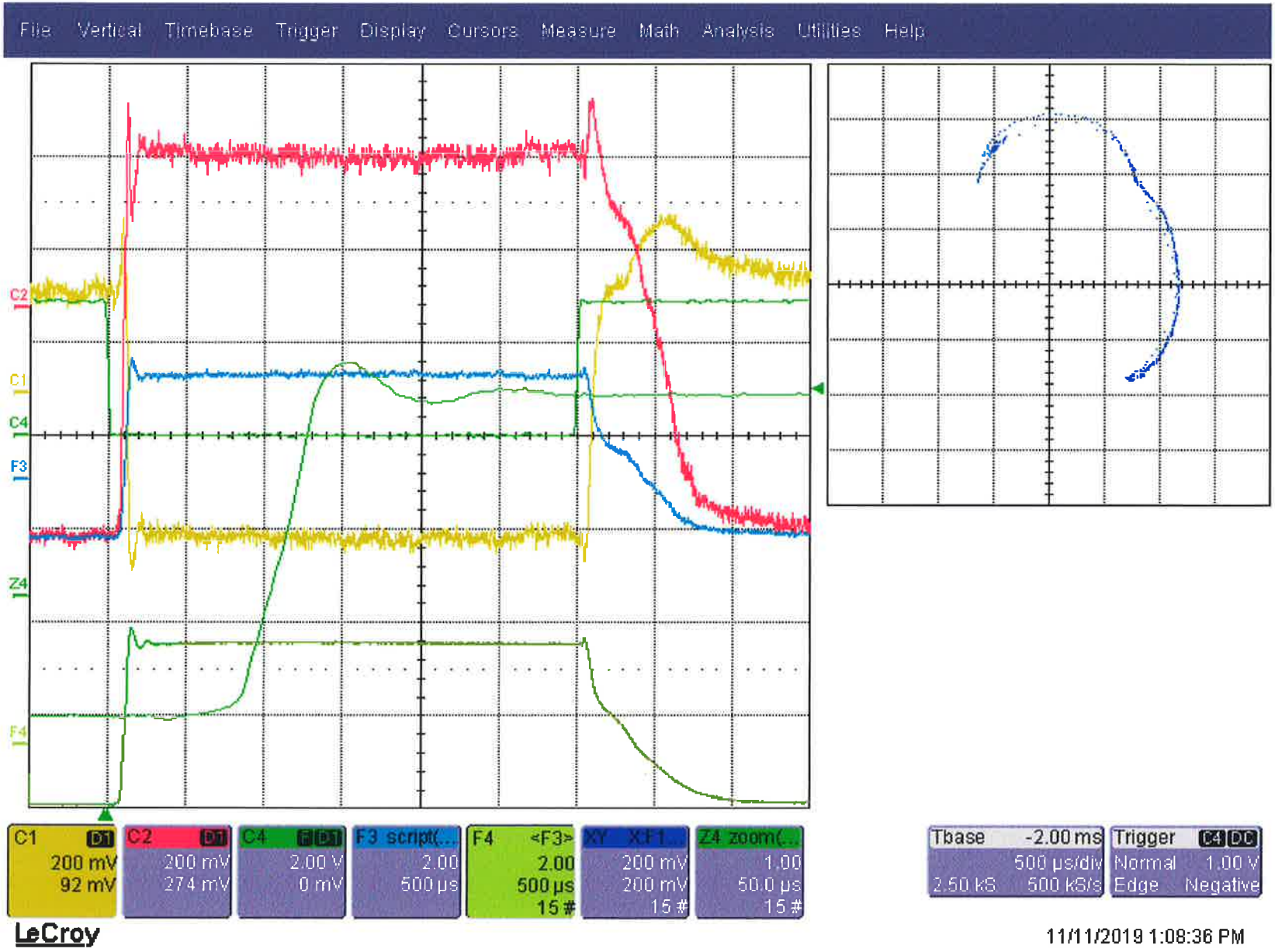


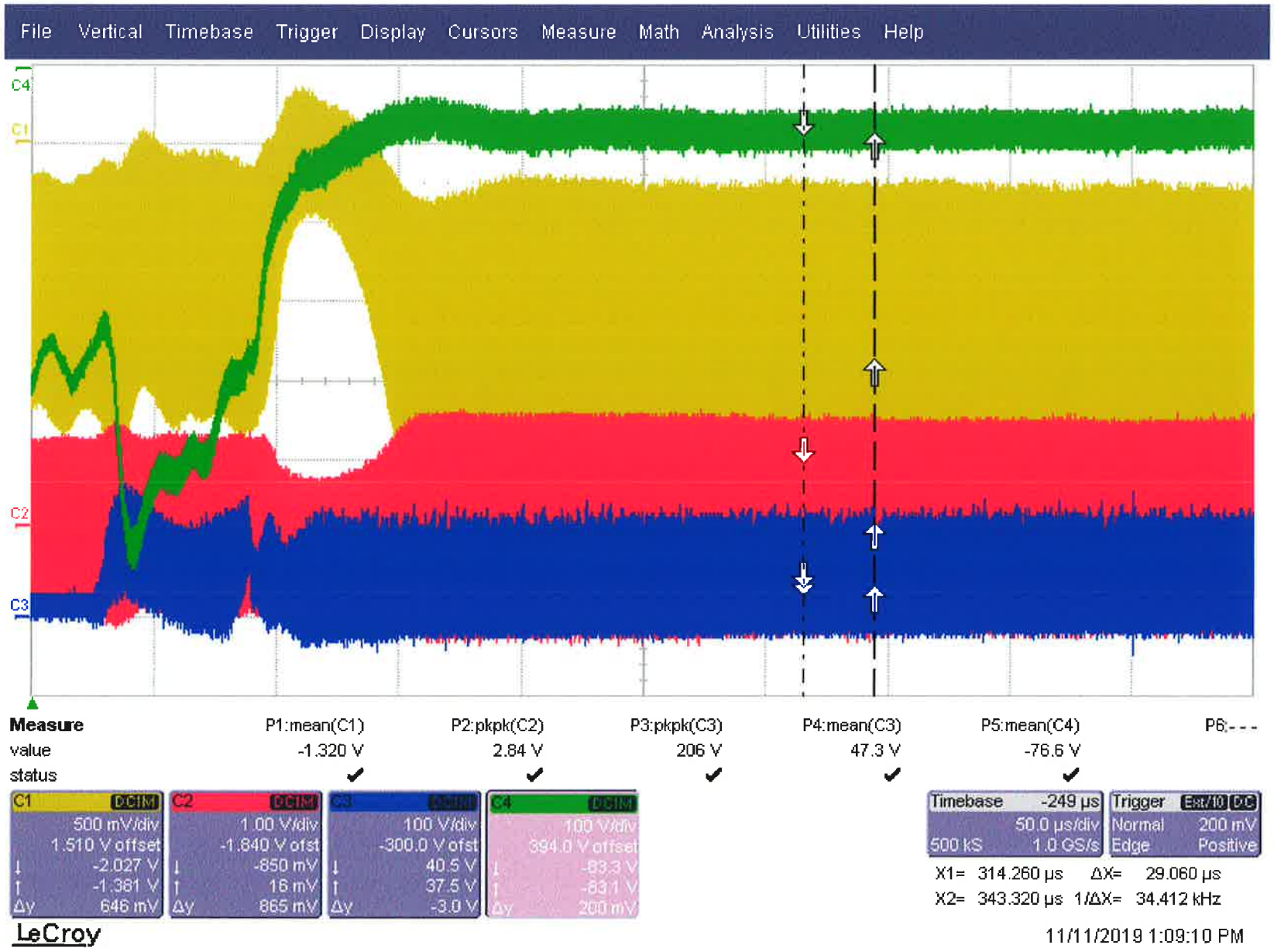

| **Measure** | P1:mean(Z1) | P2:mean(Z4) | P3:mean(C1) | P4:mean(C4) | P5:phase(C1,C4) | P6:- - - |
|---|---|---|---|---|---|---|
| value | -75.14 mV | -44.64 mV | -75.36 mV | -45.01 mV | --- | |
| mean | -75.6850 mV | -45.5254 mV | -75.8206 mV | -45.4612 mV | --- | |
| min | -77.83 mV | -47.09 mV | -77.79 mV | -46.71 mV | --- | |
| max | -74.57 mV | -44.64 mV | -74.63 mV | -44.68 mV | --- | |
| sdev | 927.5 µV | 718.8 µV | 840.0 µV | 665.9 µV | --- | |
| num | 11 | 11 | 11 | 11 | 0 | |
| status | ✔ | ✔ | ✔ | ✔ | | |

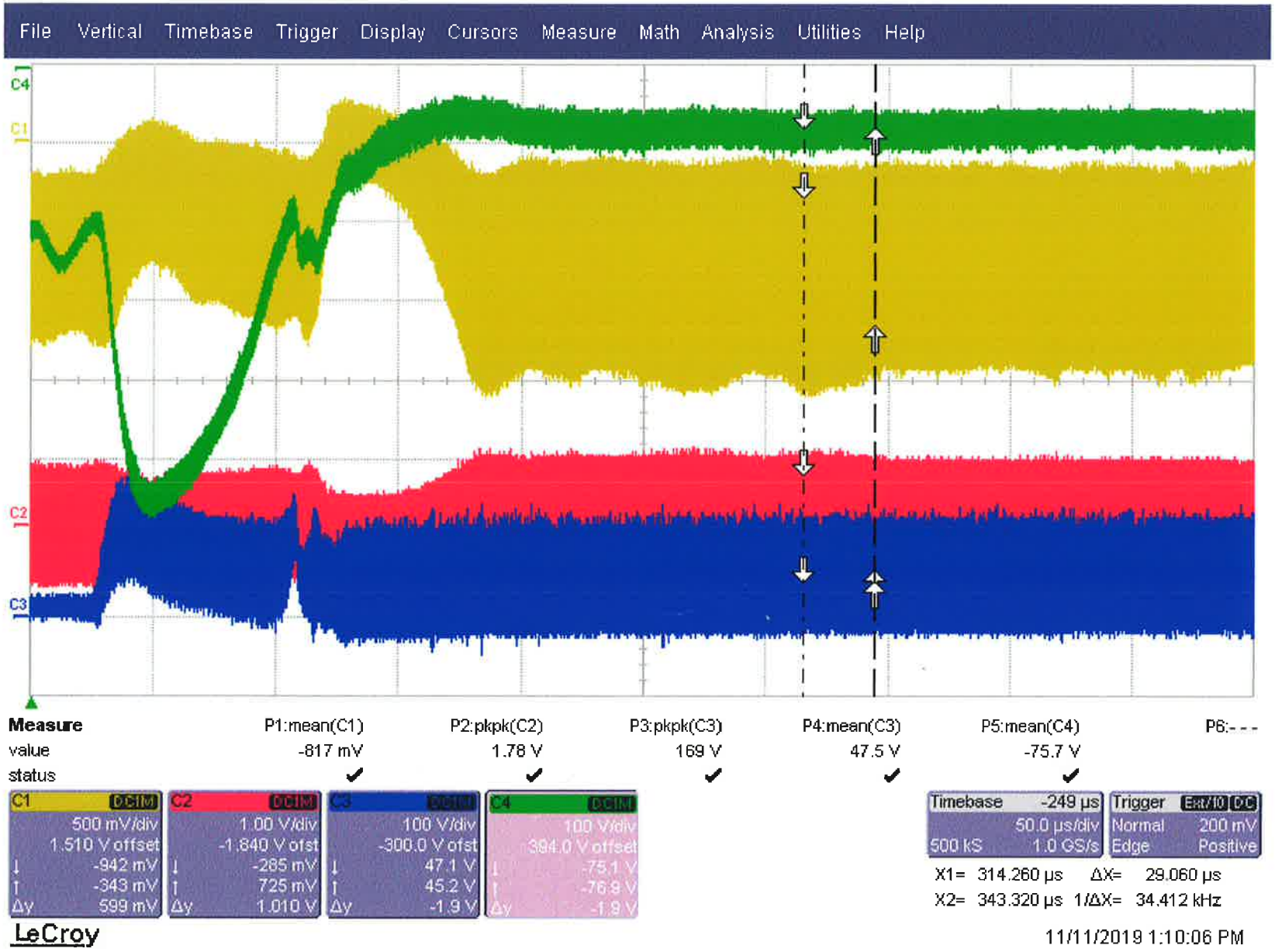


LeCroy

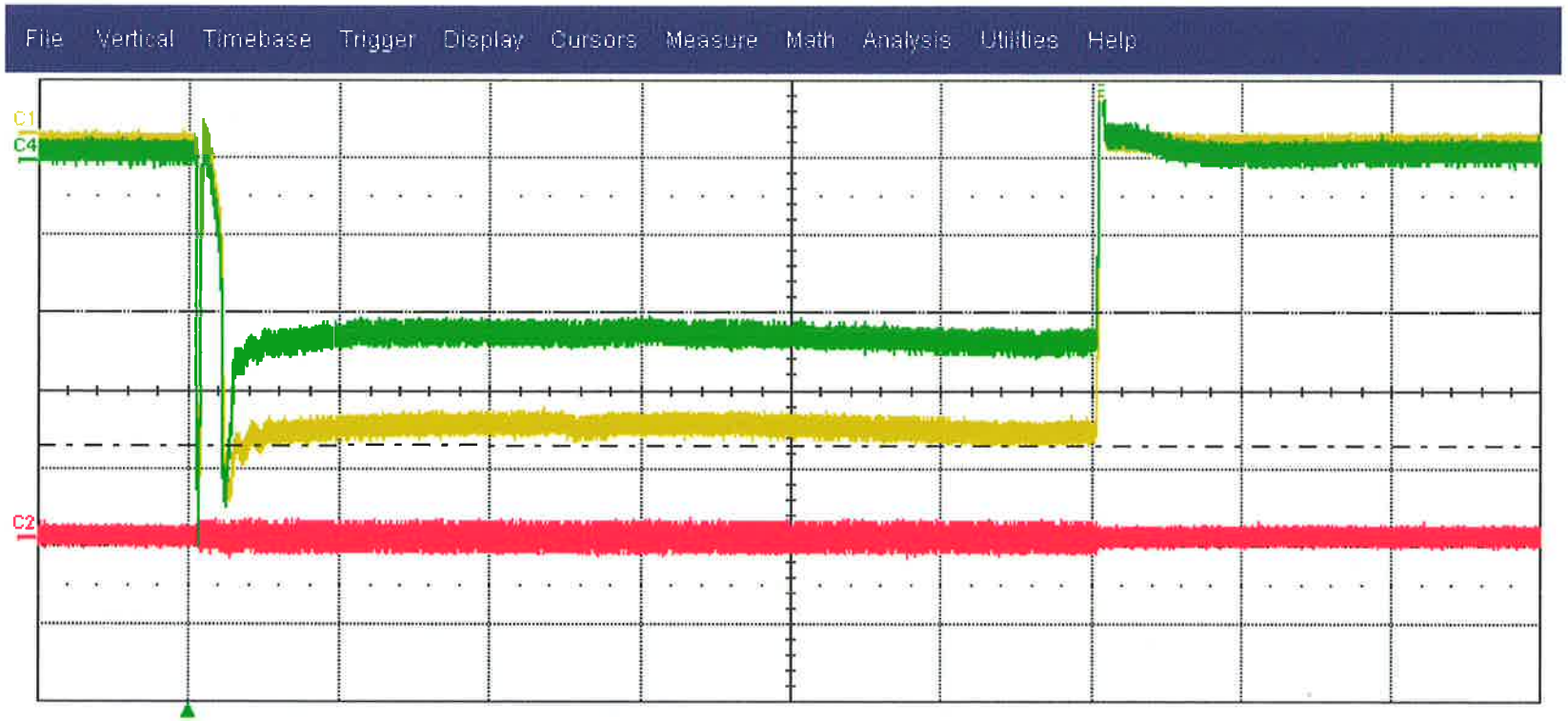
11/11/2019 1:08:34 PM


File Vertical Timebase Trigger Display Cursors Measure Math Analysis Utilities Help
C2
C1
C4
F3
Z4
F4
C1 D1
200 mV
92 mV
C2 D1
200 mV
274 mV
C4 F D1
2.00 V
0 mV
F3 script(...
2.00
500 µs
F4 <F3>
2.00
500 µs
15 #
XY X:F1...
200 mV
200 mV
15 #
Z4 zoom(...
1.00
50.0 µs
15 #
Tbase -2.00 ms
500 µs/div
2.50 kS 500 kS/s
Trigger C4 DC
Normal 1.00 V
Edge Negative
LeCroy
11/11/2019 1:08:36 PM


File Vertical Timebase Trigger Display Cursors Measure Math Analysis Utilities Help
C4
C1
C2
C3
Measure
P1:mean(C1)
P2:pkpk(C2)
P3:pkpk(C3)
P4:mean(C3)
P5:mean(C4)
P6:- - -
value
-1.320 V
2.84 V
206 V
47.3 V
-76.6 V
status
C1 DC1M
500 mV/div
1.510 V offset
-2.027 V
-1.381 V
Δy 646 mV
C2 DC1M
1.00 V/div
-1.840 V ofst
-850 mV
16 mV
Δy 865 mV
C3 DC1M
100 V/div
-300.0 V ofst
40.5 V
37.5 V
Δy -3.0 V
C4 DC1M
100 V/div
394.0 V offset
-83.3 V
-83.1 V
Δy 200 mV
Timebase -249 µs
50.0 µs/div
500 kS 1.0 GS/s
Trigger Ext/10 DC
Normal 200 mV
Edge Positive
X1= 314.260 µs ΔX= 29.060 µs
X2= 343.320 µs 1/ΔX= 34.412 kHz
LeCroy
11/11/2019 1:09:10 PM


File Vertical Timebase Trigger Display Cursors Measure Math Analysis Utilities Help
C4
C1
C2
C3
Measure
P1:mean(C1)
-817 mV
P2:pkpk(C2)
1.78 V
P3:pkpk(C3)
169 V
P4:mean(C3)
47.5 V
P5:mean(C4)
-75.7 V
P6:- - -
value
status
C1 DC1M
500 mV/div
1.510 V offset
-942 mV
-343 mV
Δy 599 mV
C2 DC1M
1.00 V/div
-1.840 V ofst
-285 mV
725 mV
Δy 1.010 V
C3 DC1M
100 V/div
-300.0 V ofst
47.1 V
45.2 V
Δy -1.9 V
C4 DC1M
100 V/div
384.0 V offset
-75.1 V
-76.9 V
Δy -1.9 V
Timebase -249 µs
50.0 µs/div
500 kS 1.0 GS/s
Trigger Ext/10 DC
Normal 200 mV
Edge Positive
X1= 314.260 µs ΔX= 29.060 µs
X2= 343.320 µs 1/ΔX= 34.412 kHz
LeCroy
11/11/2019 1:10:06 PM

File Vertical Timebase Trigger Display Cursors Measure Math Analysis Utilities Help
C2
C1
C4
F3
Z4
F4
C1 D1
200 mV
92 mV
C2 D1
200 mV
274 mV
C4 D1
2.00 V
0 mV
F3 script(...
2.00
500 µs
F4 <F3>
No data available.
XY XF1...
No data available.
Z4 zoom(...
No data available.
Tbase -2.00 ms
500 ps/div
2.50 kS 500 kS/s
Trigger C4 DC
Normal 1.00 V
Edge Negative
LeCroy
11/11/2019 1:10:28 PM




| Measure | P1:mean(Z1) | P2:mean(Z4) | P3:mean(C1) | P4:mean(C4) | P5:phase(C1,C4) | P6:- - - |
|---|---|---|---|---|---|---|
| value | -74.89 mV | -44.85 mV | -74.56 mV | -44.41 mV | --- | |
| mean | -75.7460 mV | -45.0669 mV | -75.6989 mV | -44.8788 mV | --- | |
| min | -77.33 mV | -46.86 mV | -77.56 mV | -46.14 mV | --- | |
| max | -74.45 mV | -43.73 mV | -74.56 mV | -43.82 mV | --- | |
| sdev | 1.1302 mV | 999.3 µV | 1.1393 mV | 766.8 µV | --- | |
| num | 9 | 9 | 9 | 9 | 0 | |
| status | ✔ | ✔ | ✔ | ✔ | | |

C1 DC1M
20.0 mV/div
66.00 mV ofst
---- -80.0 mV
----- -46.0 mV
Δy 34.0 mV

C2 DC1M
1.00 V/div
-1.890 V ofst
---- 1.19 V
----- 2.89 V
Δy 1.70 V

C4 DC1M
20.0 mV/div
59.00 mV ofst
---- -73.0 mV
----- -39.0 mV
Δy 34.0 mV

Timebase -2.00 ms
500 µs/div
1.00 MS 200 MS/s

Trigger Ext/10 DC
Normal 200 mV
Edge Negative

LeCroy

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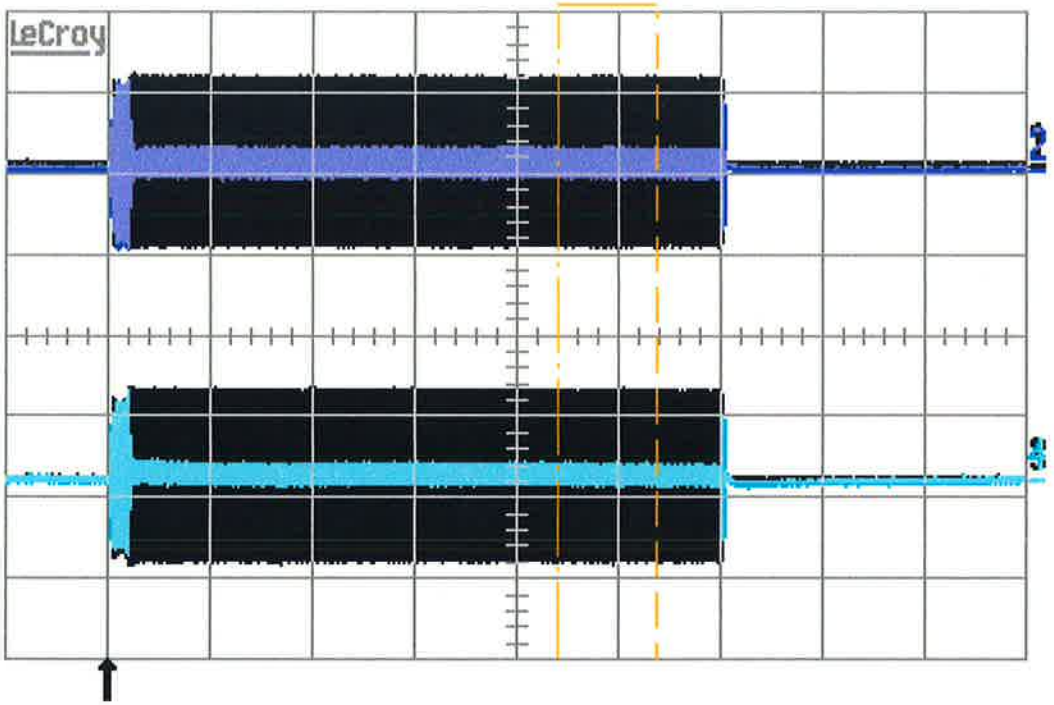
11-Nov-19
13:10:53




| | 10 sweeps: | average | low | high | sigma |
|---|---|---|---|---|---|
| rms(1) | | 364.1mV | 361.1 | 375.0 | 4.0 |
| rms(2) | | 27.7mV | 26.8 | 29.4 | 0.8 |
| rms(3) | | 369.2mV | 366.2 | 379.3 | 3.7 |
| rms(4) | | 20.7mV | 19.5 | 22.8 | 1.1 |
| phase(1,3) | | 85 ° | 68 | 96 | 7 |

1 .5 ms
0.50 V

2 .5 ms
200mV

3 .5 ms
0.50 V

4 .5 ms
200mV

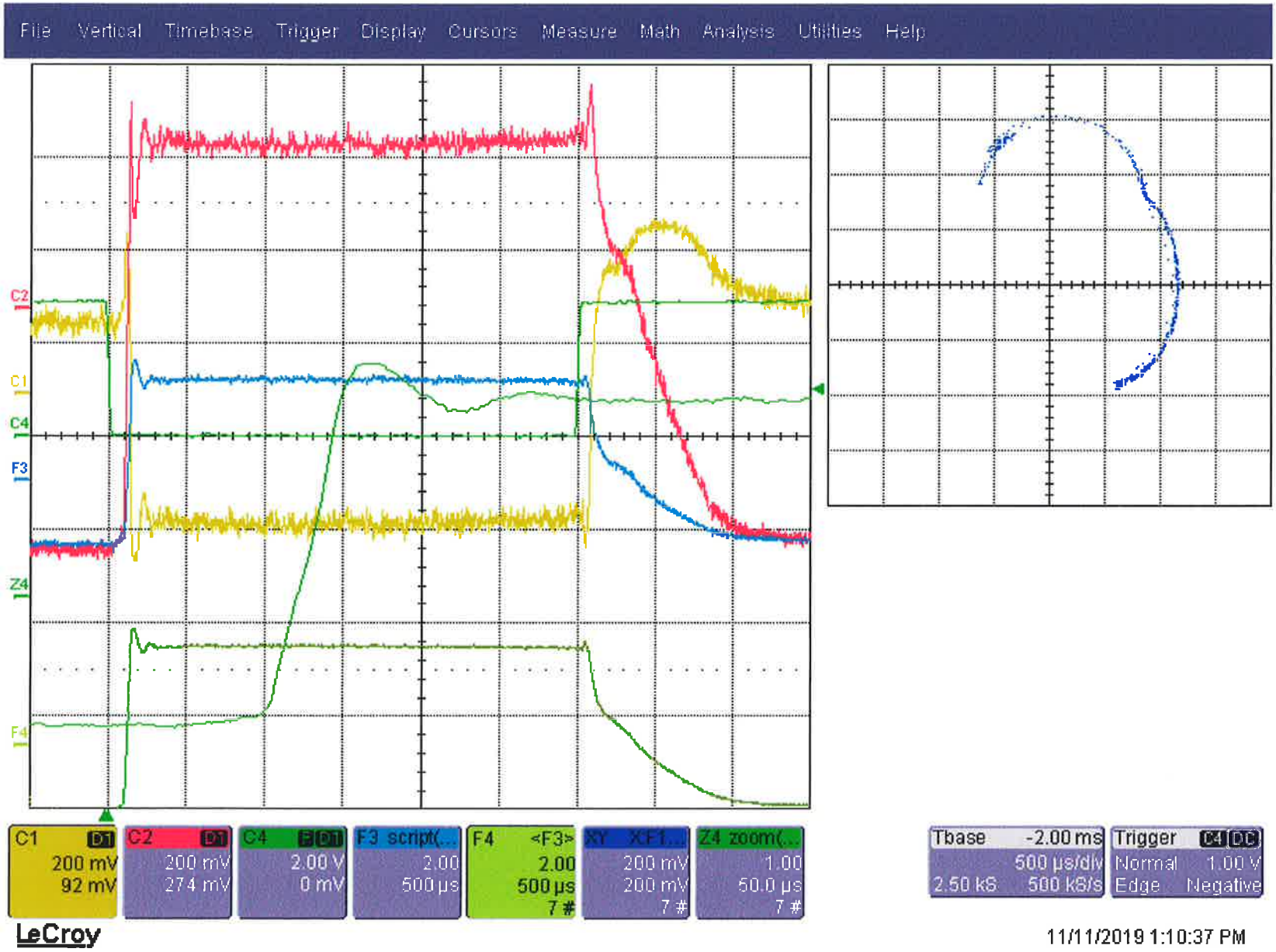
.5 ms

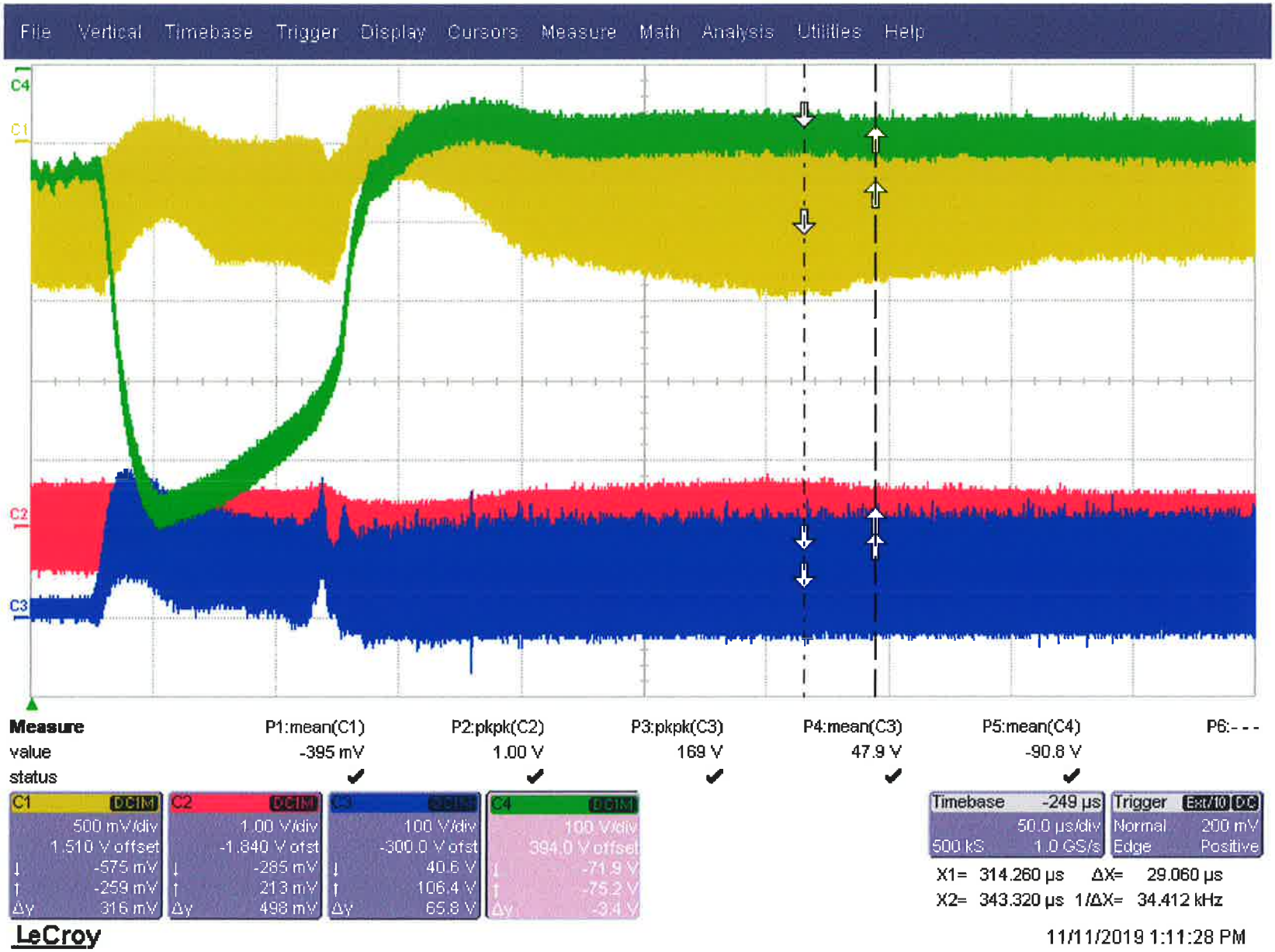
1 .5 V AC
2 .2 V AC
3 .5 V AC
4 .2 V AC

Ext10 DC 0.60 V 1MΩ

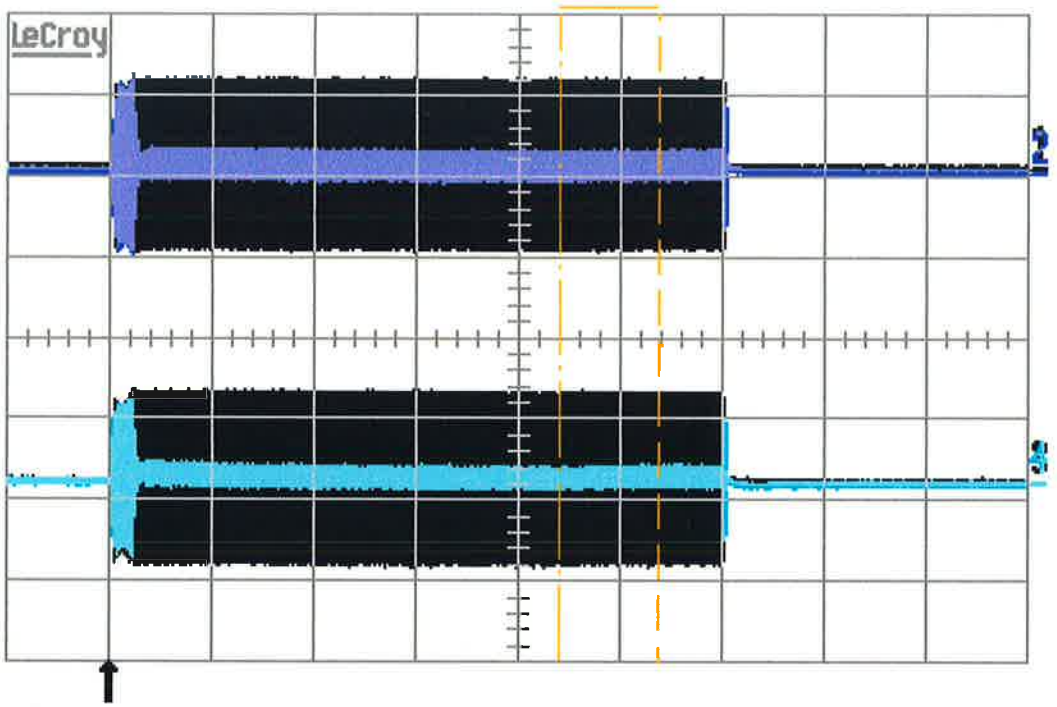
20 MS/s

NORMAL


File Vertical Timebase Trigger Display Cursors Measure Math Analysis Utilities Help
C2
C1
C4
F3
Z4
F4
C1 D1
200 mV
92 mV
C2 D1
200 mV
274 mV
C4 D1
2.00 V
0 mV
F3 script(...
2.00
500 µs
F4 <F3>
2.00
500 µs
7 #
XY XF1...
200 mV
200 mV
7 #
Z4 zoom(...
1.00
50.0 µs
7 #
Tbase -2.00 ms
500 µs/div
2.50 kS 500 kS/s
Trigger C4 DC
Normal 1.00 V
Edge Negative
LeCroy
11/11/2019 1:10:37 PM


File Vertical Timebase Trigger Display Cursors Measure Math Analysis Utilities Help
C4
C1
C2
C3
Measure
value
status
P1:mean(C1)
-395 mV
P2:pkpk(C2)
1.00 V
P3:pkpk(C3)
169 V
P4:mean(C3)
47.9 V
P5:mean(C4)
-90.8 V
P6:- - -
C1 DC1M
500 mV/div
1.510 V offset
-575 mV
-259 mV
316 mV
C2 DC1M
1.00 V/div
-1.840 V ofst
-285 mV
213 mV
498 mV
C3 DC1M
100 V/div
-300.0 V ofst
40.6 V
106.4 V
65.8 V
C4 DC1M
100 V/div
394.0 V offset
-71.9 V
-75.2 V
-3.4 V
Timebase -249 µs
50.0 µs/div
500 kS 1.0 GS/s
Trigger Ext/10 DC
Normal 200 mV
Edge Positive
X1= 314.260 µs ΔX= 29.060 µs
X2= 343.320 µs 1/ΔX= 34.412 kHz
LeCroy
11/11/2019 1:11:28 PM

11-Nov-19
13:12:14




1
.5 ms
0.50 V

2
.5 ms
200mV

3
.5 ms
0.50 V

4
.5 ms
200mV

| | 6 sweeps: | average | low | high | sigma |
|---|---|---|---|---|---|
| rms(1) | | 364.3mV | 362.8 | 365.2 | 1.0 |
| rms(2) | | 27.5mV | 27.2 | 27.8 | 0.2 |
| rms(3) | | 369.5mV | 368.2 | 370.4 | 0.9 |
| rms(4) | | 21.0mV | 20.1 | 21.5 | 0.5 |
| phase(1,3) | | 84 ° | 67 | 96 | 8 |

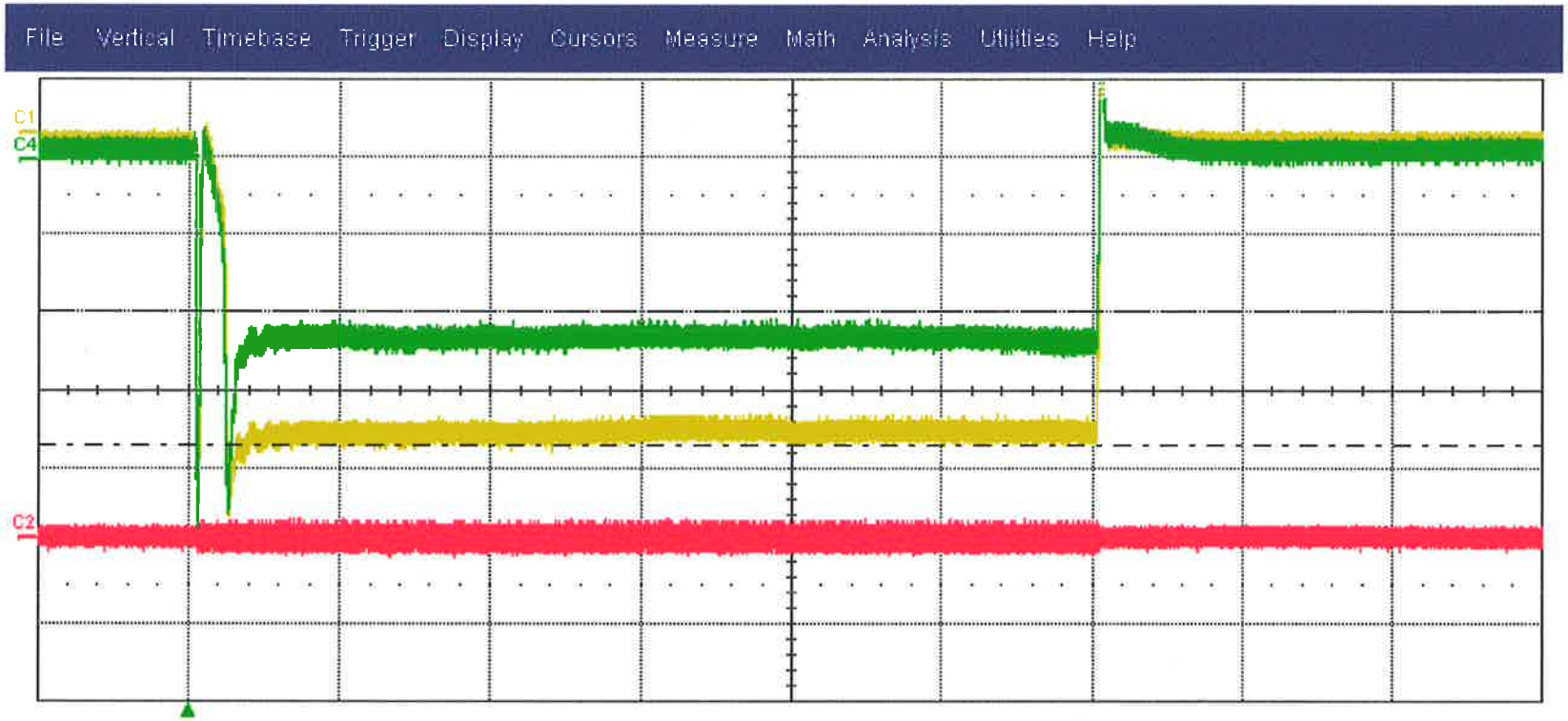
.5 ms

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

Ext10 DC 0.60 V 1MΩ

20 MS/s

NORMAL




| Measure | P1:mean(Z1) | P2:mean(Z4) | P3:mean(C1) | P4:mean(C4) | P5:phase(C1,C4) | P6:- - - |
|---|---|---|---|---|---|---|
| value | -76.19 mV | -45.35 mV | -75.90 mV | -45.28 mV | --- | |
| mean | -76.4061 mV | -45.5381 mV | -76.2758 mV | -45.3604 mV | --- | |
| min | -77.90 mV | -47.36 mV | -78.19 mV | -47.08 mV | --- | |
| max | -75.10 mV | -44.30 mV | -74.95 mV | -44.05 mV | --- | |
| sdev | 1.0328 mV | 1.0678 mV | 1.1630 mV | 1.1169 mV | --- | |
| num | 9 | 9 | 9 | 9 | 0 | |
| status | ✔ | ✔ | ✔ | ✔ | | |

| C1 DC1M | C2 DC1M | C4 DC1M |
|---|---|---|
| 20.0 mV/div | 1.00 V/div | 20.0 mV/div |
| 66.00 mV ofst | -1.890 V ofst | 59.00 mV ofst |
| ----- -80.0 mV | ----- 1.19 V | ----- -73.0 mV |
| ..... -46.0 mV | ..... 2.89 V | ..... -39.0 mV |
| Δy 34.0 mV | Δy 1.70 V | Δy 34.0 mV |

| Timebase -2.00 ms | Trigger Ext/10 DC |
|---|---|
| 500 µs/div | Normal 200 mV |
| 1.00 MS 200 MS/s | Edge Negative |

LeCroy

11/11/2019 1:12:04 PM