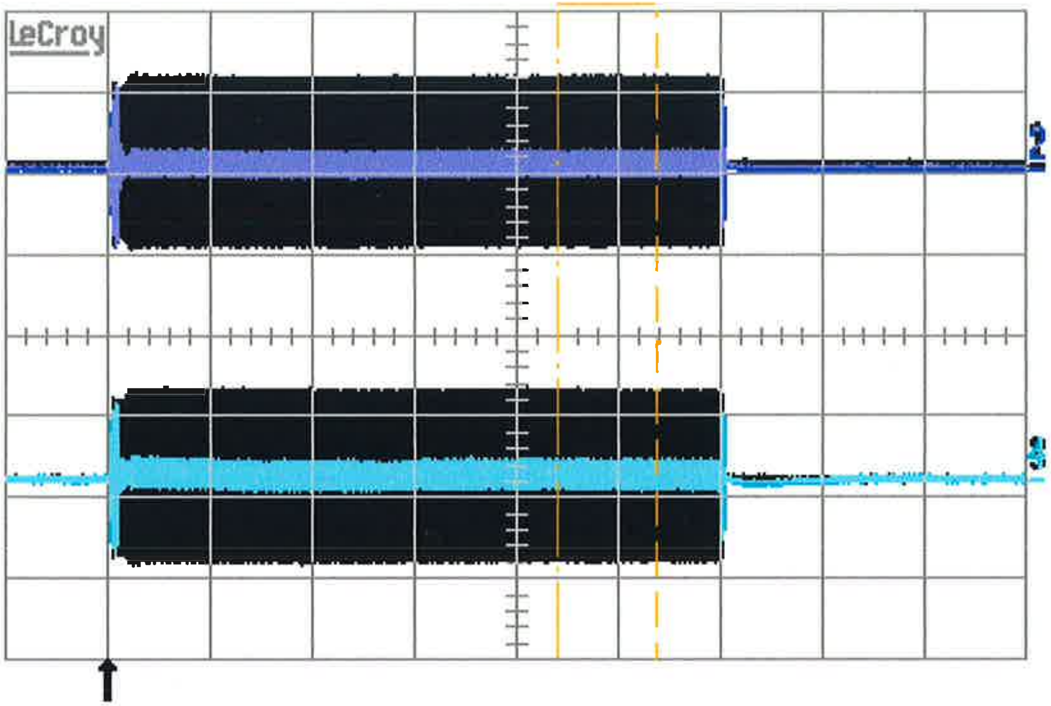
```
11-Nov-19
12:46:41
```

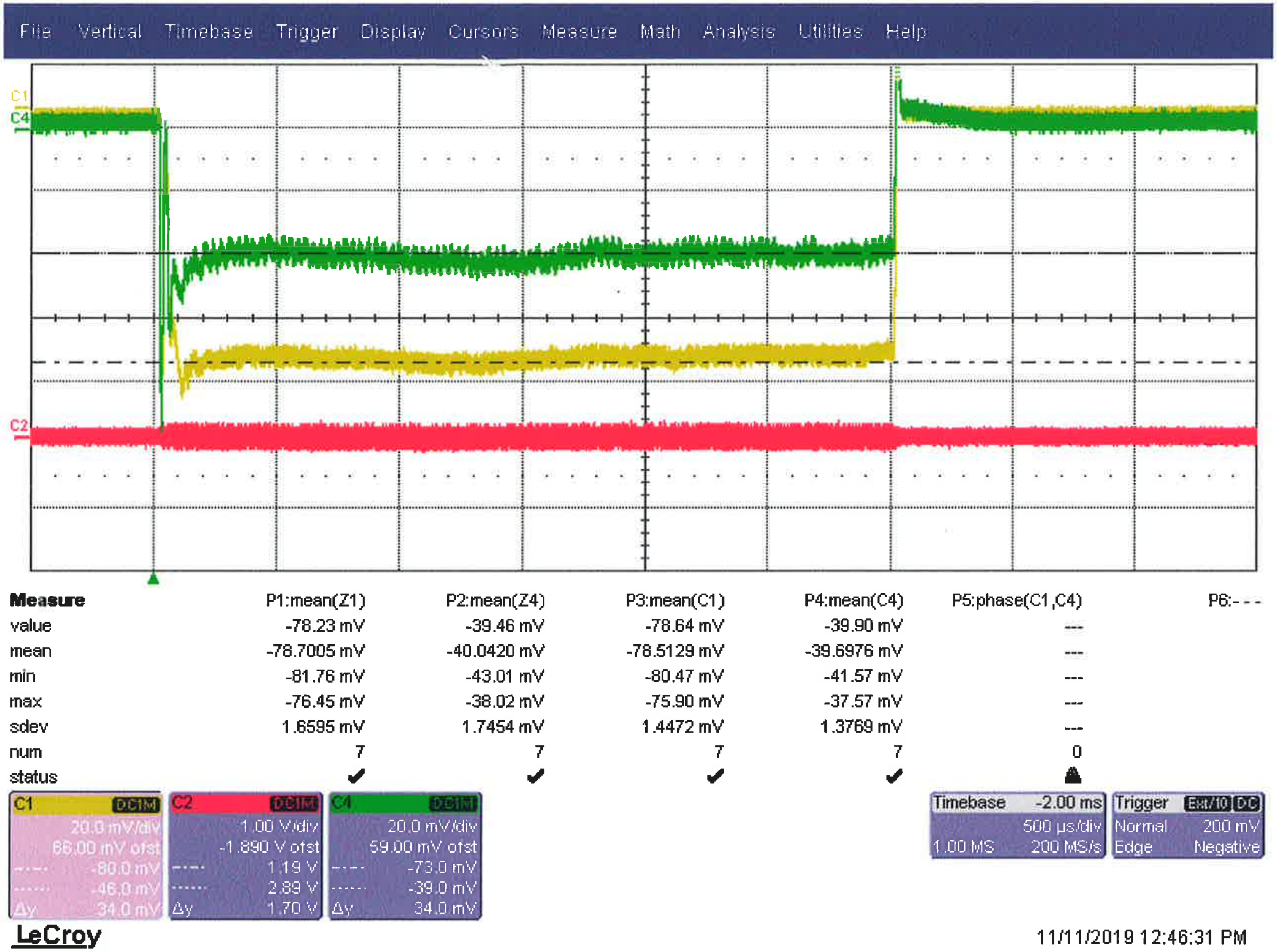
```
1
 .5 ms
 0.50 V

2
 .5 ms
 200mV

3
 .5 ms
 0.50 V

4
 .5 ms
 200mV
```



```
              3 sweeps:  average      low     high    sigma
rms(1)                   363.1mV    362.0    363.7      1.0
rms(2)                    24.7mV     24.5     24.9      0.2
rms(3)                   368.3mV    367.1    368.9      1.0
rms(4)                    25.8mV     25.4     26.1      0.4
phase(1,3)                 84 °       70       95        7
```

```
.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
C1
C4
C2

Measure	P1:mean(Z1)	P2:mean(Z4)	P3:mean(C1)	P4:mean(C4)	P5:phase(C1,C4)	P6:- - -
value	-78.23 mV	-39.46 mV	-78.64 mV	-39.90 mV	---	
mean	-78.7005 mV	-40.0420 mV	-78.5129 mV	-39.6976 mV	---	
min	-81.76 mV	-43.01 mV	-80.47 mV	-41.57 mV	---	
max	-76.45 mV	-38.02 mV	-75.90 mV	-37.57 mV	---	
sdev	1.6595 mV	1.7454 mV	1.4472 mV	1.3769 mV	---	
num	7	7	7	7	0	
status	✓	✓	✓	✓	⚠	

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

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

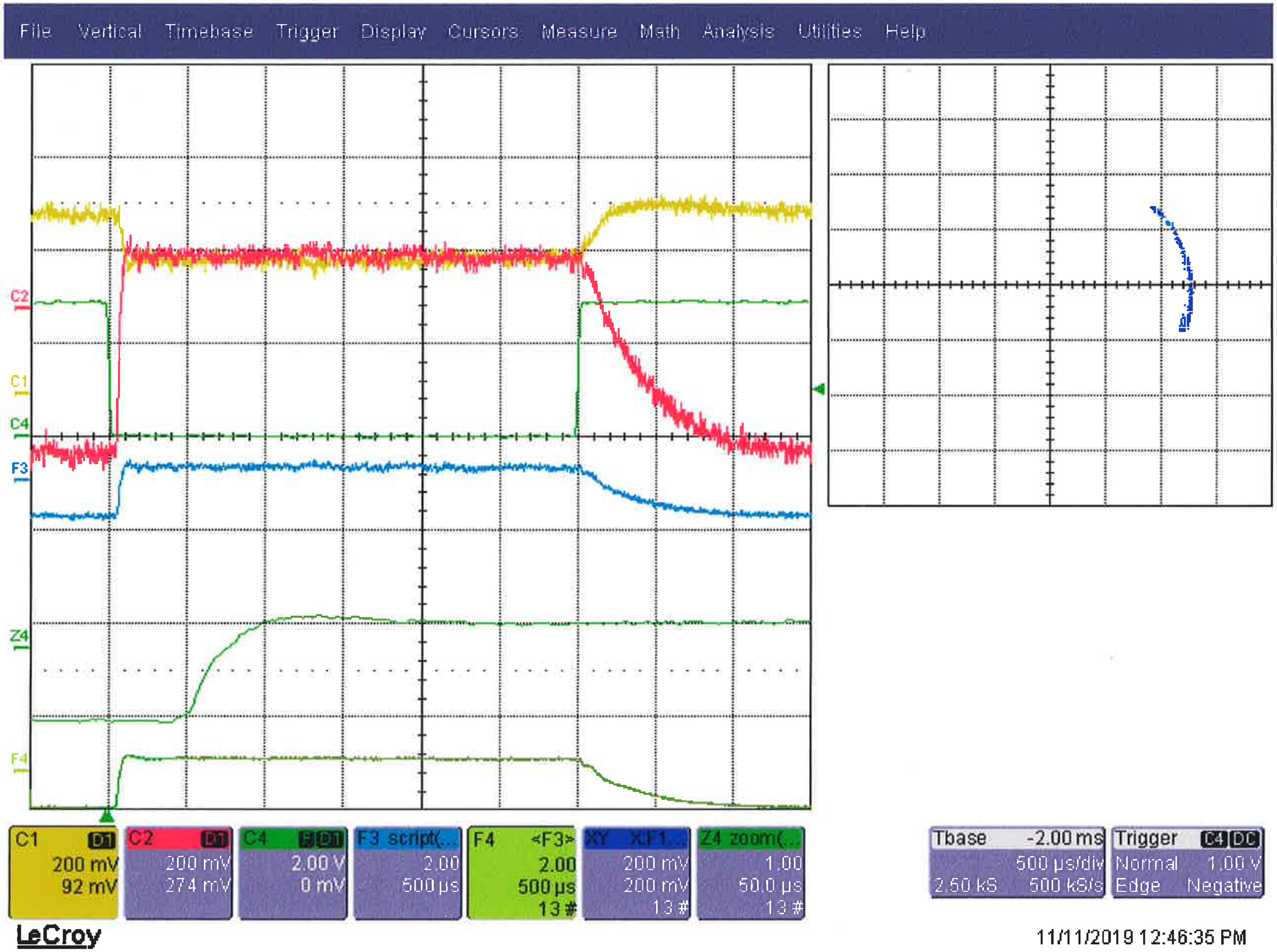
C4 DCIM
20.0 mV/div
59.00 mV ofst
-·-·- -73.0 mV
······ -39.0 mV
Δy 34.0 mV

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 12:46:31 PM


File
Vertical
Timebase
Trigger
Display
Cursors
Measure
Math
Analysis
Utilities
Help
C2
C1
C4
F3
Z4
F4
LeCroy

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
13 #

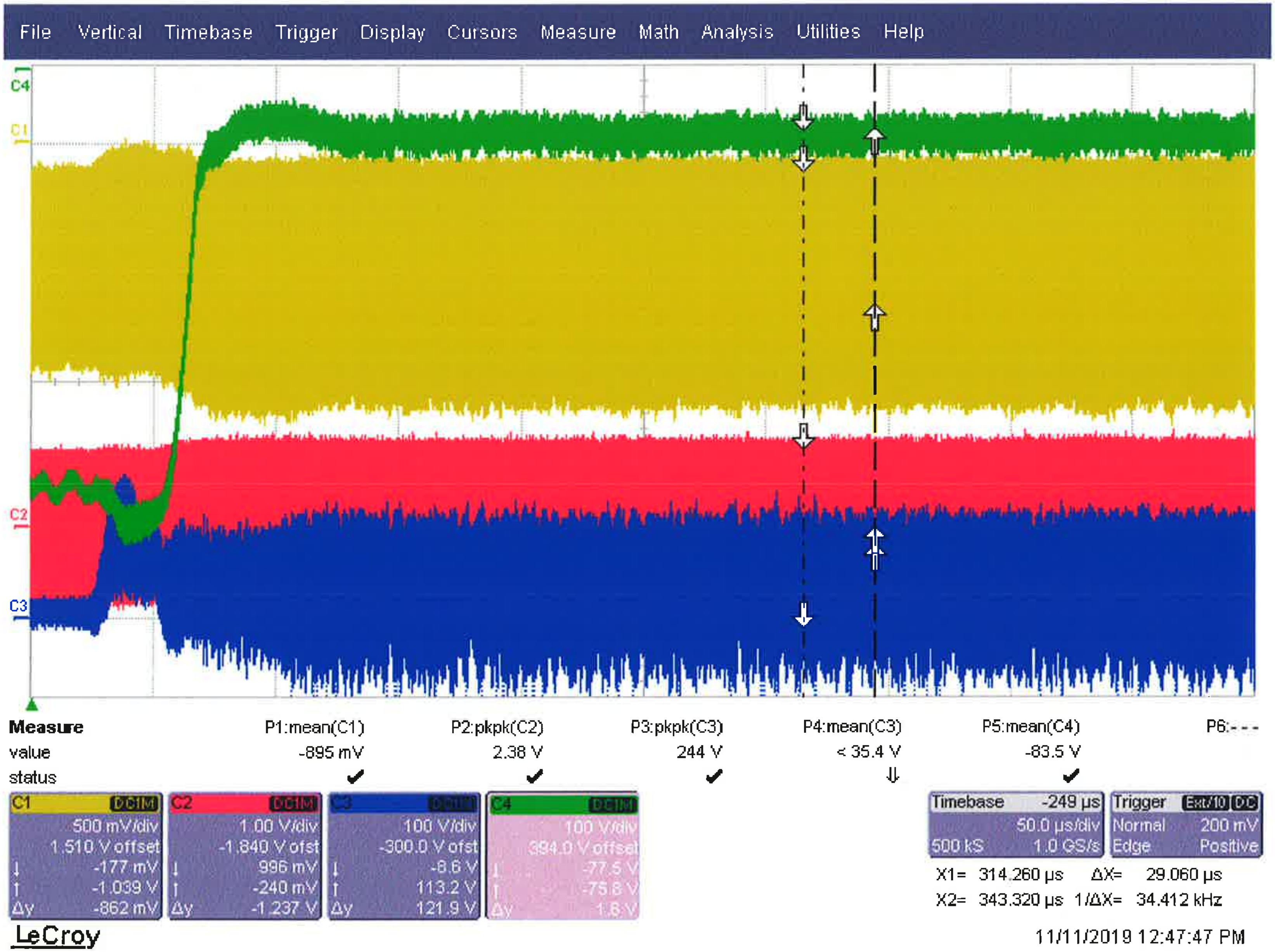
XY X:F1...
200 mV
200 mV
13 #

Z4 zoom(...
1.00
50.0 µs
13 #

Tbase -2.00 ms
500 µs/div
2.50 kS 500 kS/s

Trigger C4 DC
Normal 1.00 V
Edge Negative

11/11/2019 12:46:35 PM


File
Vertical
Timebase
Trigger
Display
Cursors
Measure
Math
Analysis
Utilities
Help
C4
C1
C2
C3
LeCroy

Measure	P1:mean(C1)	P2:pkpk(C2)	P3:pkpk(C3)	P4:mean(C3)	P5:mean(C4)	P6:- - -
value	-895 mV	2.38 V	244 V	< 35.4 V	-83.5 V	
status	✓	✓	✓	⇓	✓	

C1 DC1M	C2 DC1M	C3 DC1M	C4 DC1M
500 mV/div	1.00 V/div	100 V/div	100 V/div
1.510 V offset	-1.840 V ofst	-300.0 V ofst	394.0 V offset
↓ -177 mV	↓ 996 mV	↓ -8.6 V	↓ -77.5 V
↑ -1.039 V	↑ -240 mV	↑ 113.2 V	↑ -75.8 V
Δy -862 mV	Δy -1.237 V	Δy 121.9 V	Δy 1.8 V

Timebase	-249 µs	Trigger	Ext/10 DC
	50.0 µs/div	Normal	200 mV
500 kS	1.0 GS/s	Edge	Positive

X1= 314.260 µs ΔX= 29.060 µs
X2= 343.320 µs 1/ΔX= 34.412 kHz

11/11/2019 12:47:47 PM

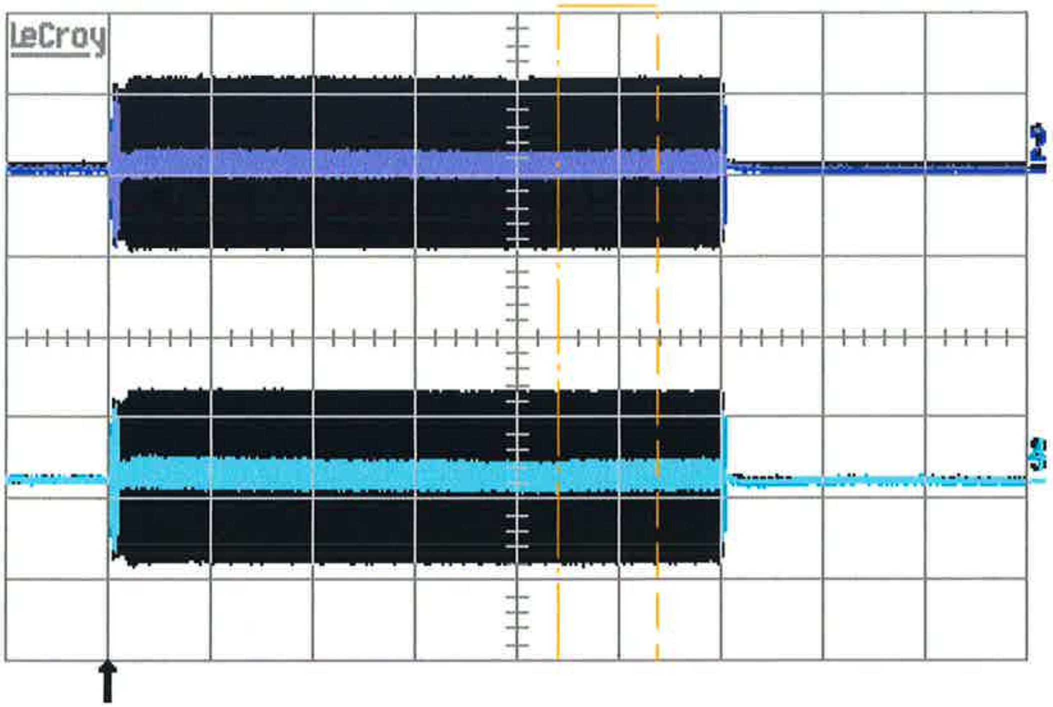
11-Nov-19
12:48:15

1
.5 ms
0.50 V

2
.5 ms
200mV

3
.5 ms
0.50 V

4
.5 ms
200mV



```
              4 sweeps:  average      low     high    sigma
rms(1)                   361.8mV    360.7    362.7      0.9
rms(2)                    24.7mV     24.0     25.1      0.5
rms(3)                   367.3mV    366.2    367.9      0.8
rms(4)                    25.5mV     25.0     26.0      0.4
phase(1,3)                84 °         68       95        7
```

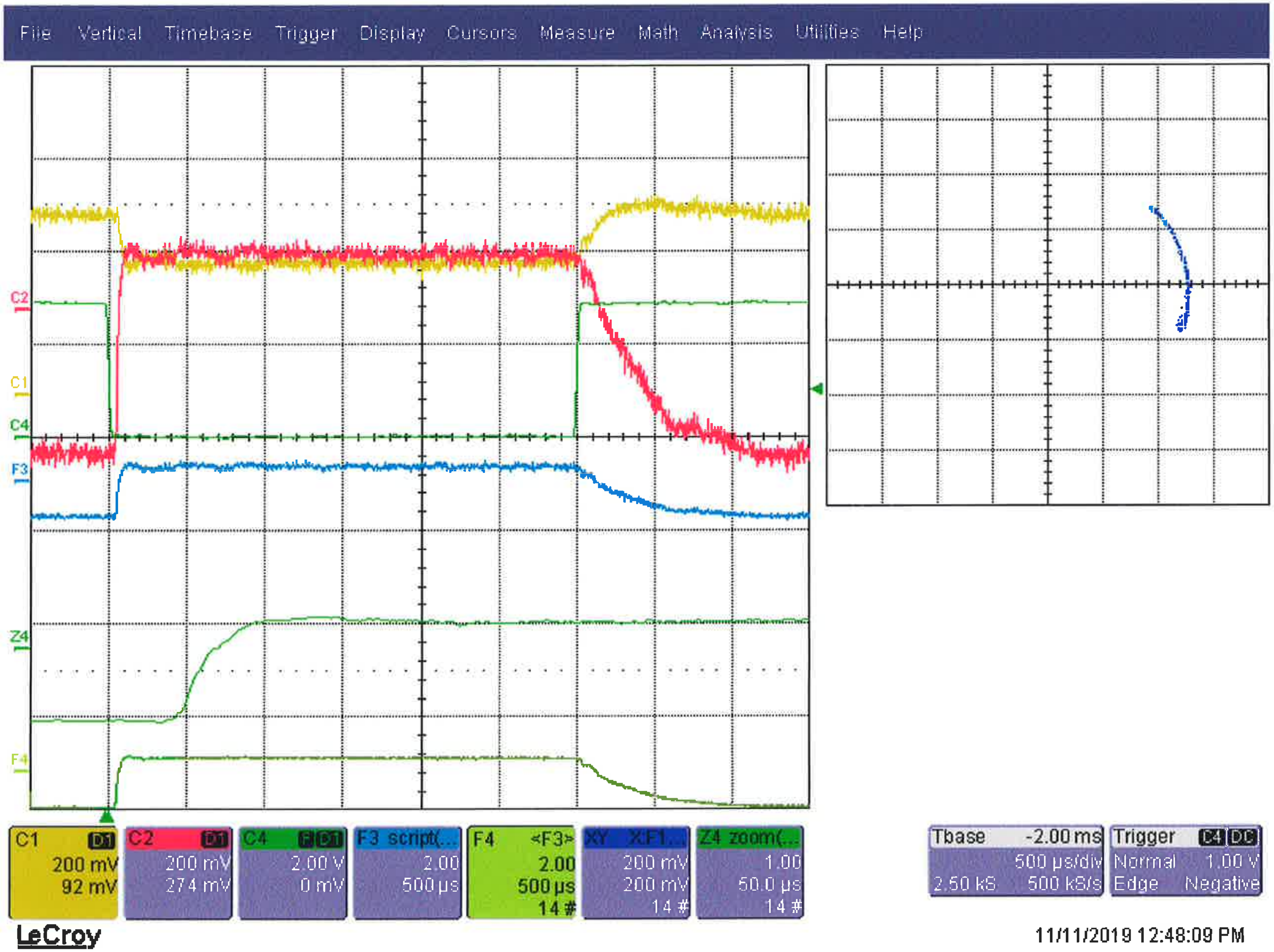
.5 ms

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

Ext10 DC 0.60 V 1MΩ

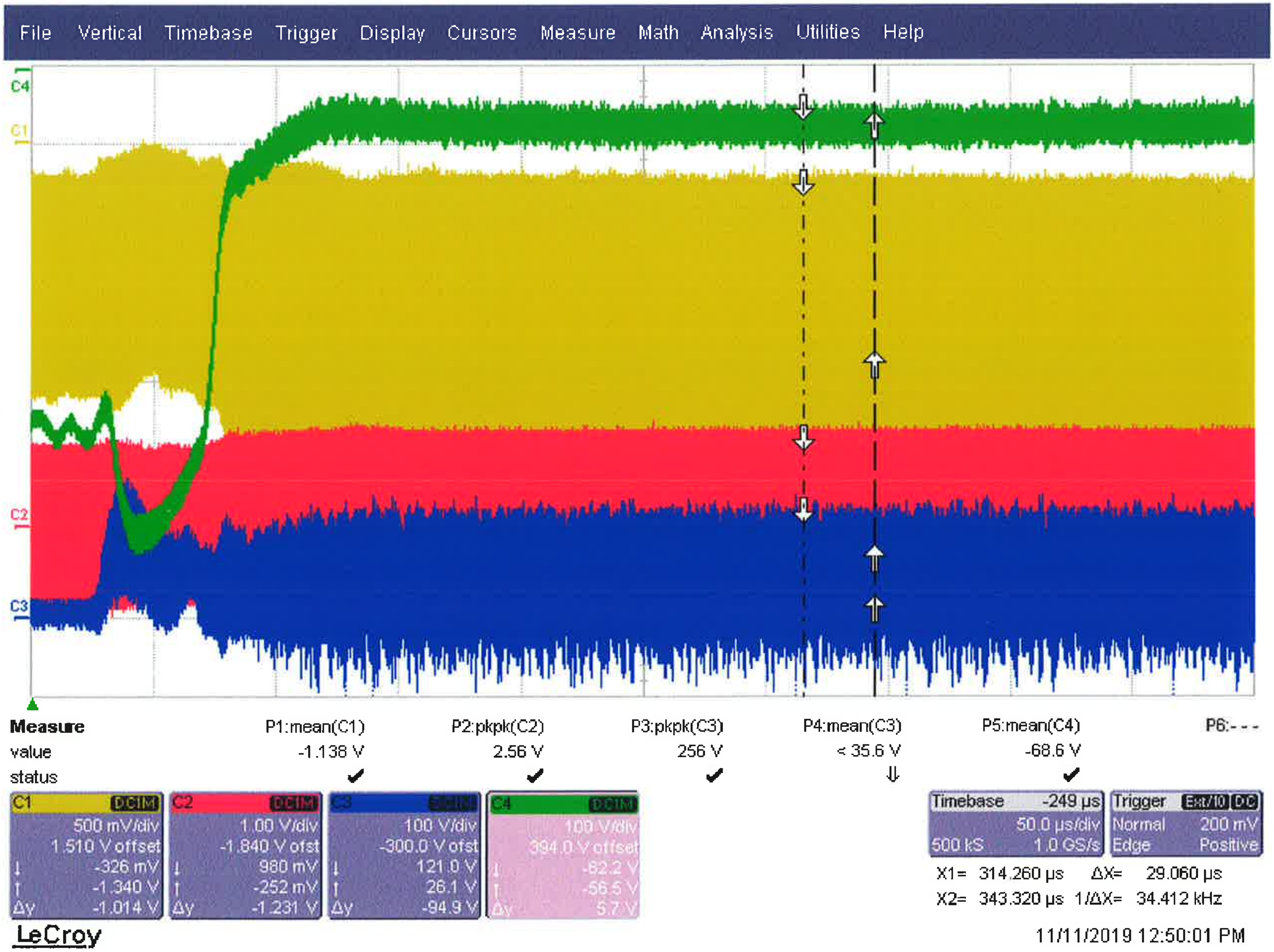
20 MS/s

☐ NORMAL


File
Vertical
Timebase
Trigger
Display
Cursors
Measure
Math
Analysis
Utilities
Help
C2
C1
C4
F3
Z4
F4
LeCroy

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 14 #
XY X:F1... 200 mV 200 mV 14 #
Z4 zoom(... 1.00 50.0 µs 14 #
Tbase -2.00 ms 500 µs/div 2.50 kS 500 kS/s
Trigger C4 DC Normal 1.00 V Edge Negative

11/11/2019 12:48:09 PM


File
Vertical
Timebase
Trigger
Display
Cursors
Measure
Math
Analysis
Utilities
Help
C4
C1
C2
C3
LeCroy

Measure	P1:mean(C1)	P2:pkpk(C2)	P3:pkpk(C3)	P4:mean(C3)	P5:mean(C4)	P6:- - -
value	-1.138 V	2.56 V	256 V	< 35.6 V	-68.6 V	
status	✓	✓	✓	⇓	✓	

C1 DCIM	C2 DCIM	C3 DCIM	C4 DCIM
500 mV/div	1.00 V/div	100 V/div	100 V/div
1.510 V offset	-1.840 V ofst	-300.0 V ofst	394.0 V offset
↓ -326 mV	↓ 980 mV	↓ 121.0 V	↓ -62.2 V
↑ -1.340 V	↑ -252 mV	↑ 26.1 V	↑ -56.5 V
Δy -1.014 V	Δy -1.231 V	Δy -94.9 V	Δy 5.7 V

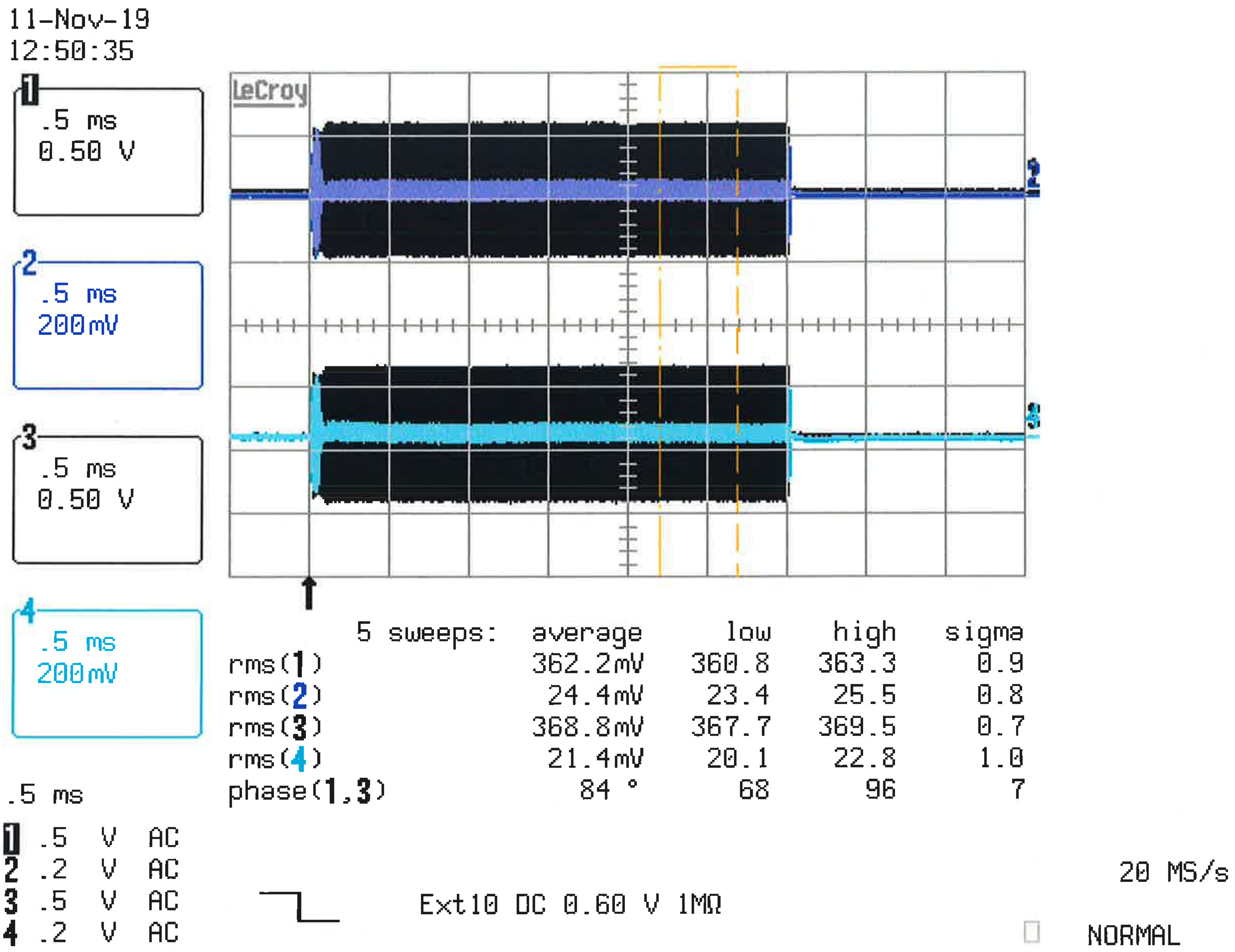
Timebase	-249 µs
	50.0 µs/div
500 kS	1.0 GS/s

Trigger	Ext/10 DC
Normal	200 mV
Edge	Positive

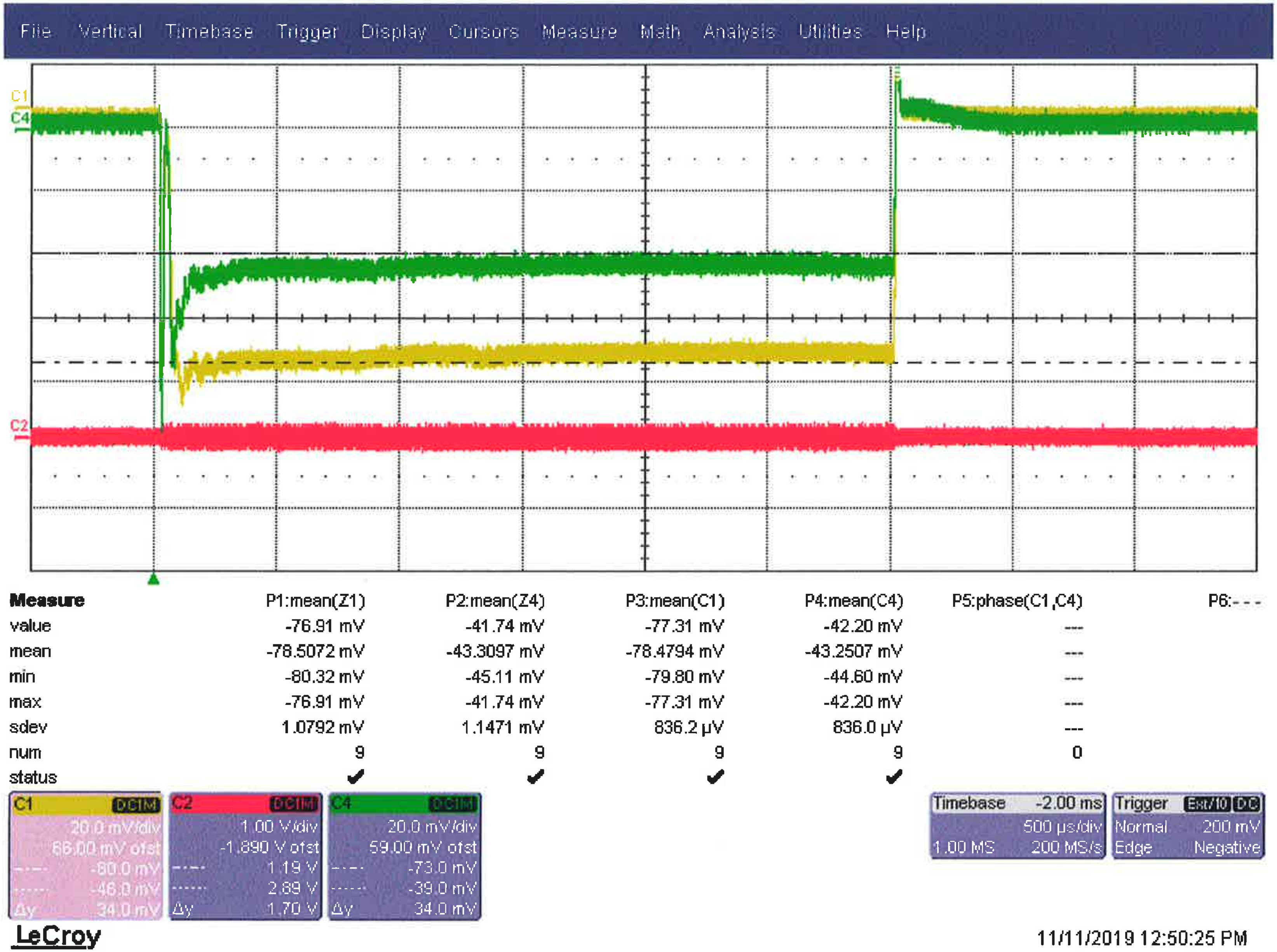
X1= 314.260 µs ΔX= 29.060 µs

X2= 343.320 µs 1/ΔX= 34.412 kHz

11/11/2019 12:50:01 PM



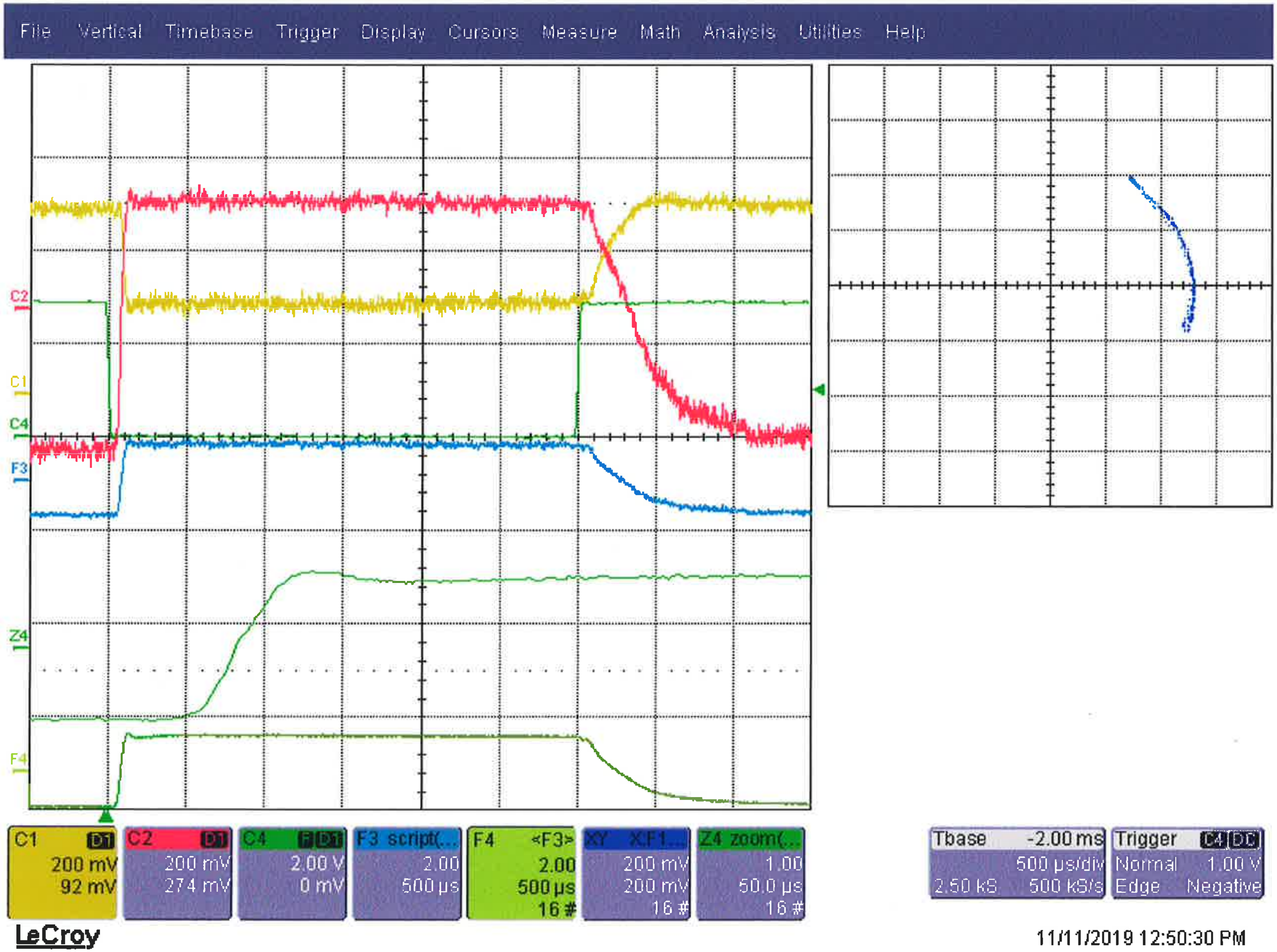
```
11-Nov-19
12:50:35

1
 .5 ms
 0.50 V

2
 .5 ms
 200mV

3
 .5 ms
 0.50 V

4
 .5 ms
 200mV

            5 sweeps:  average     low    high   sigma
rms(1)                 362.2mV   360.8   363.3     0.9
rms(2)                  24.4mV    23.4    25.5     0.8
rms(3)                 368.8mV   367.7   369.5     0.7
rms(4)                  21.4mV    20.1    22.8     1.0
phase(1,3)                84 °      68      96       7

.5 ms

1 .5  V  AC
2 .2  V  AC
3 .5  V  AC
4 .2  V  AC
                                                     20 MS/s
          Ext10 DC 0.60 V 1MΩ
                                            ☐    NORMAL
```


File
Vertical
Timebase
Trigger
Display
Cursors
Measure
Math
Analysis
Utilities
Help
C1
C4
C2
LeCroy

Measure	P1:mean(Z1)	P2:mean(Z4)	P3:mean(C1)	P4:mean(C4)	P5:phase(C1,C4)	P6:- - -
value	-76.91 mV	-41.74 mV	-77.31 mV	-42.20 mV	---	
mean	-78.5072 mV	-43.3097 mV	-78.4794 mV	-43.2507 mV	---	
min	-80.32 mV	-45.11 mV	-79.80 mV	-44.60 mV	---	
max	-76.91 mV	-41.74 mV	-77.31 mV	-42.20 mV	---	
sdev	1.0792 mV	1.1471 mV	836.2 µV	836.0 µV	---	
num	9	9	9	9	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		

11/11/2019 12:50:25 PM


File
Vertical
Timebase
Trigger
Display
Cursors
Measure
Math
Analysis
Utilities
Help
C2
C1
C4
F3
Z4
F4
LeCroy

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 16 #

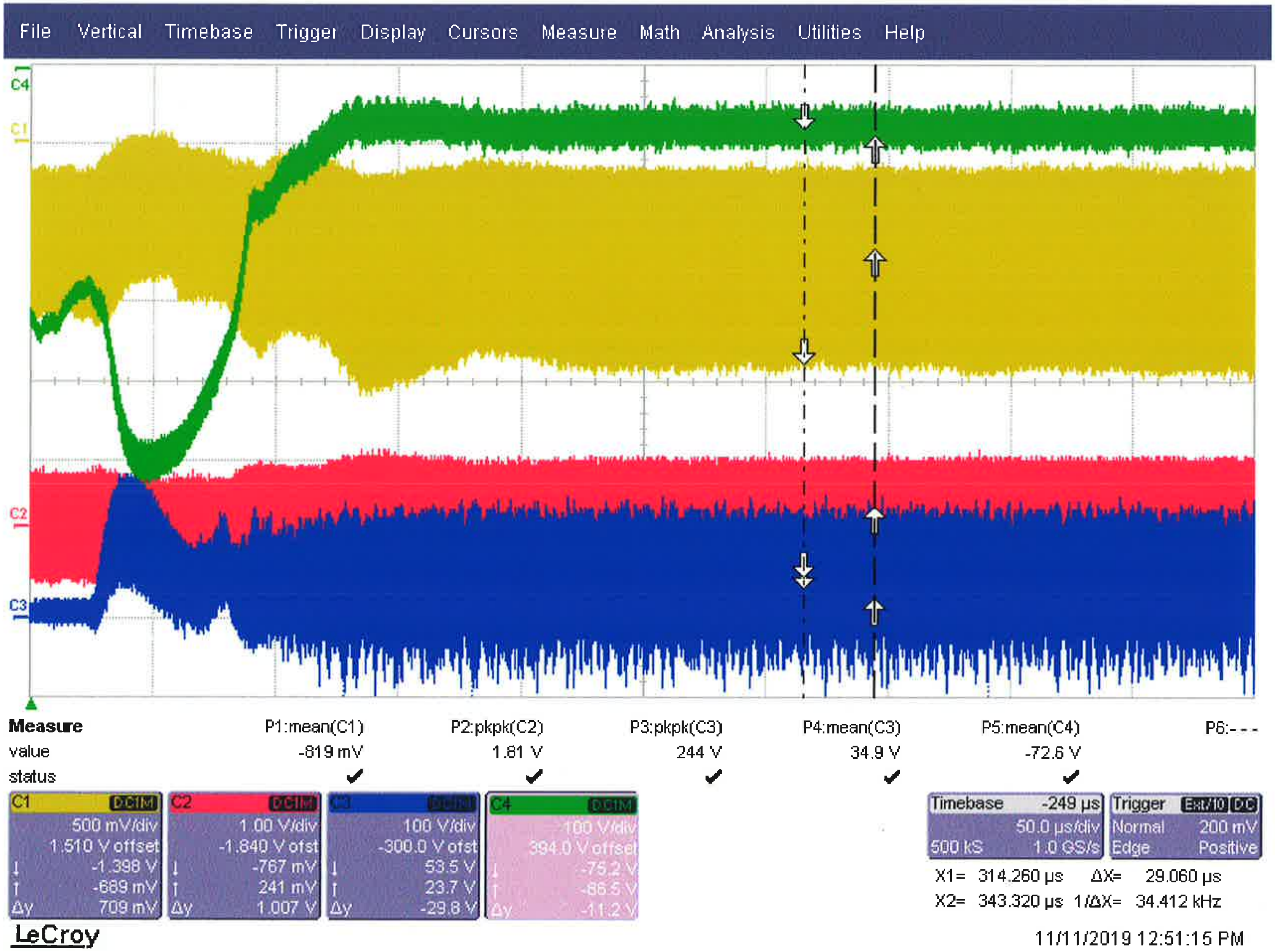
XY XF1... 200 mV 200 mV 16 #

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

11/11/2019 12:50:30 PM


File
Vertical
Timebase
Trigger
Display
Cursors
Measure
Math
Analysis
Utilities
Help
C4
C1
C2
C3
LeCroy

Measure	P1:mean(C1)	P2:pkpk(C2)	P3:pkpk(C3)	P4:mean(C3)	P5:mean(C4)	P6:- - -
value	-819 mV	1.81 V	244 V	34.9 V	-72.6 V	
status	✓	✓	✓	✓	✓	

C1 DC1M
500 mV/div
1.510 V offset
↓ -1.398 V
↑ -689 mV
Δy 709 mV

C2 DC1M
1.00 V/div
-1.840 V ofst
↓ -767 mV
↑ 241 mV
Δy 1.007 V

C3 DC1M
100 V/div
-300.0 V ofst
↓ 53.5 V
↑ 23.7 V
Δy -29.8 V

C4 DC1M
100 V/div
394.0 V offset
↓ -75.2 V
↑ -86.5 V
Δy -11.2 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

11/11/2019 12:51:15 PM

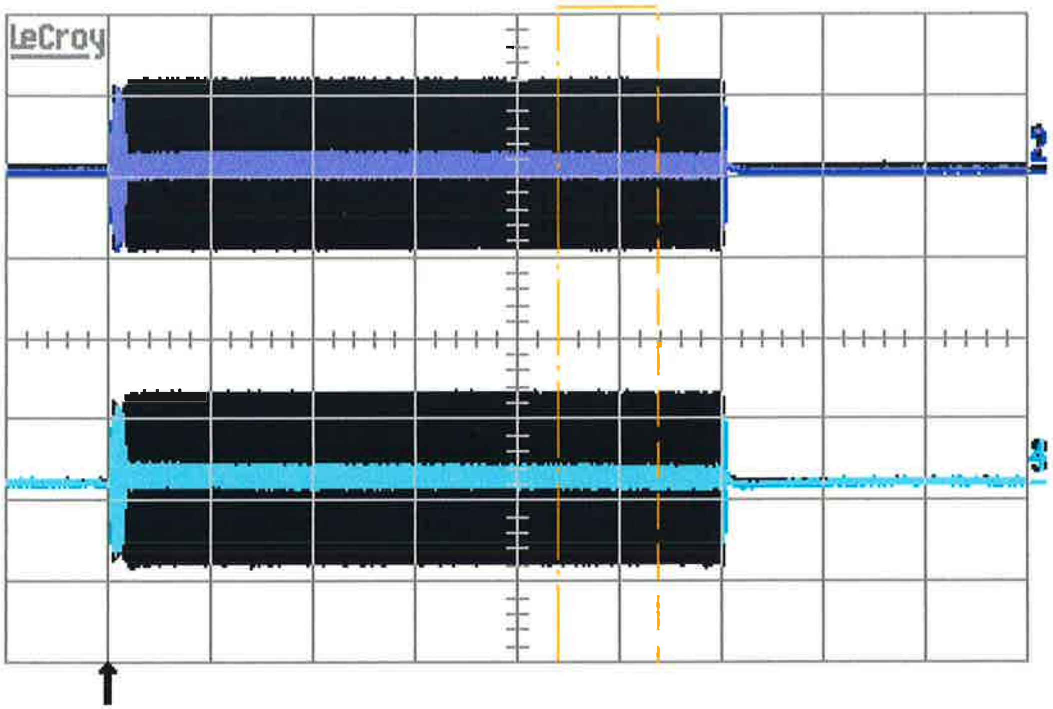
11-Nov-19
12:51:54

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)	362.2mV	360.5	363.7	1.6
rms(2)	23.7mV	22.5	24.7	1.1
rms(3)	368.4mV	366.9	369.6	1.4
rms(4)	20.8mV	19.8	21.7	1.0
phase(1,3)	85 °	67	96	7

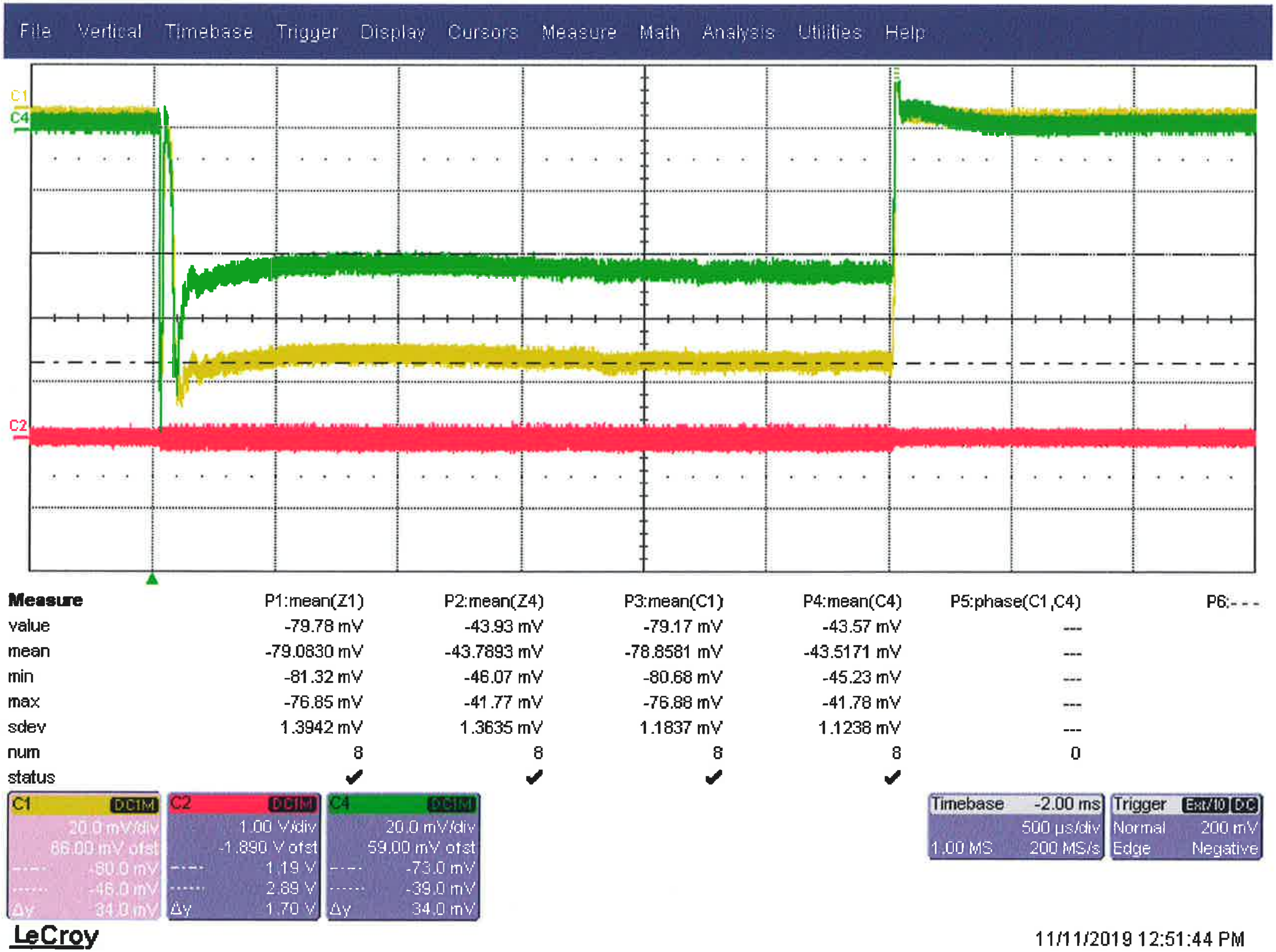
.5 ms

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

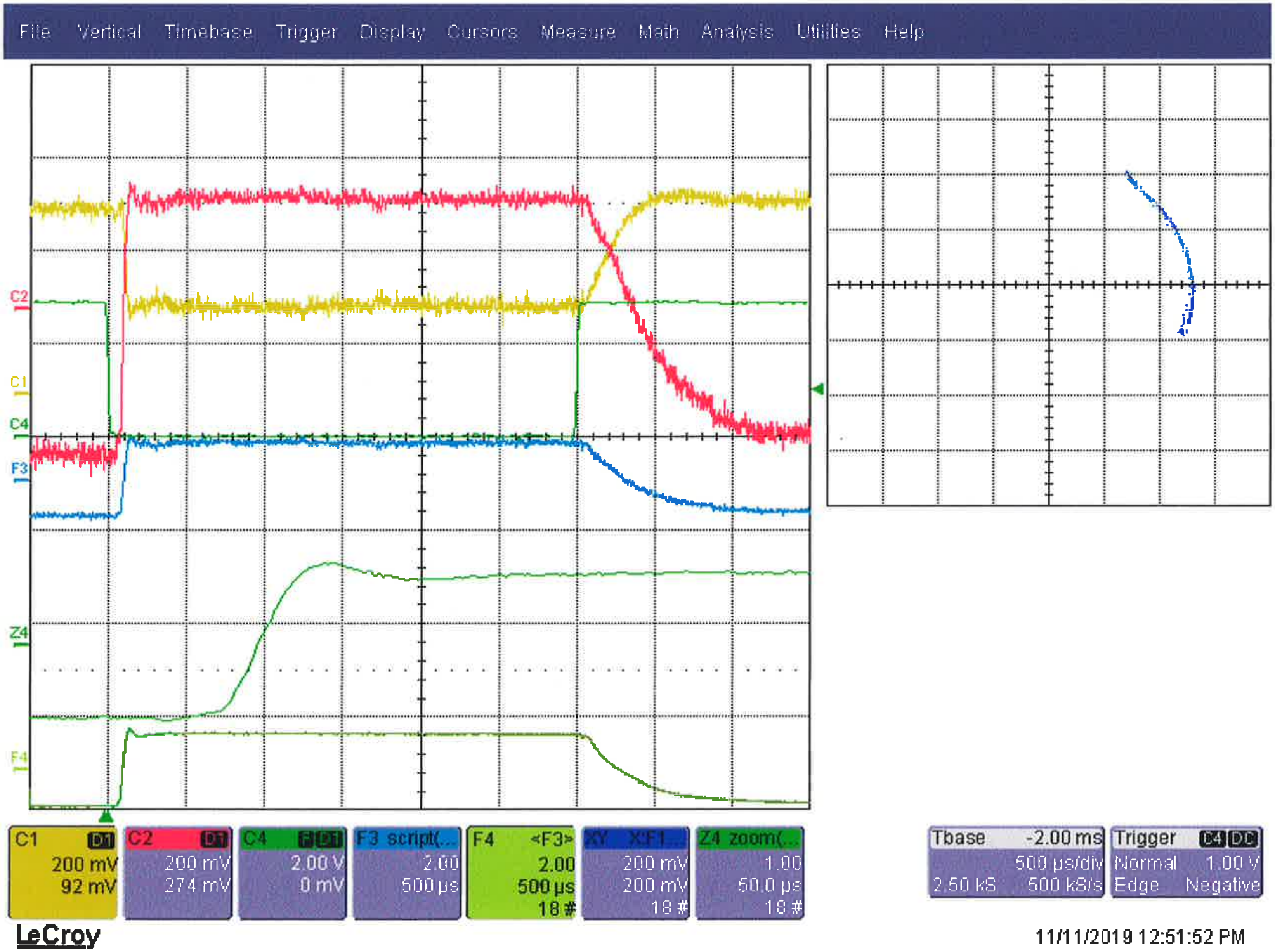

File
Vertical
Timebase
Trigger
Display
Cursors
Measure
Math
Analysis
Utilities
Help
C1
C4
C2
LeCroy

Measure	P1:mean(Z1)	P2:mean(Z4)	P3:mean(C1)	P4:mean(C4)	P5:phase(C1,C4)	P6:- - -
value	-79.78 mV	-43.93 mV	-79.17 mV	-43.57 mV	---	
mean	-79.0830 mV	-43.7893 mV	-78.8581 mV	-43.5171 mV	---	
min	-81.32 mV	-46.07 mV	-80.68 mV	-45.23 mV	---	
max	-76.85 mV	-41.77 mV	-76.88 mV	-41.78 mV	---	
sdev	1.3942 mV	1.3635 mV	1.1837 mV	1.1238 mV	---	
num	8	8	8	8	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

11/11/2019 12:51:44 PM


File
Vertical
Timebase
Trigger
Display
Cursors
Measure
Math
Analysis
Utilities
Help
C2
C1
C4
F3
Z4
F4
LeCroy

C1 D1 200 mV 92 mV

C2 D1 200 mV 274 mV

C4 DD1 2.00 V 0 mV

F3 script(... 2.00 500 µs

F4 <F3> 2.00 500 µs 18 #

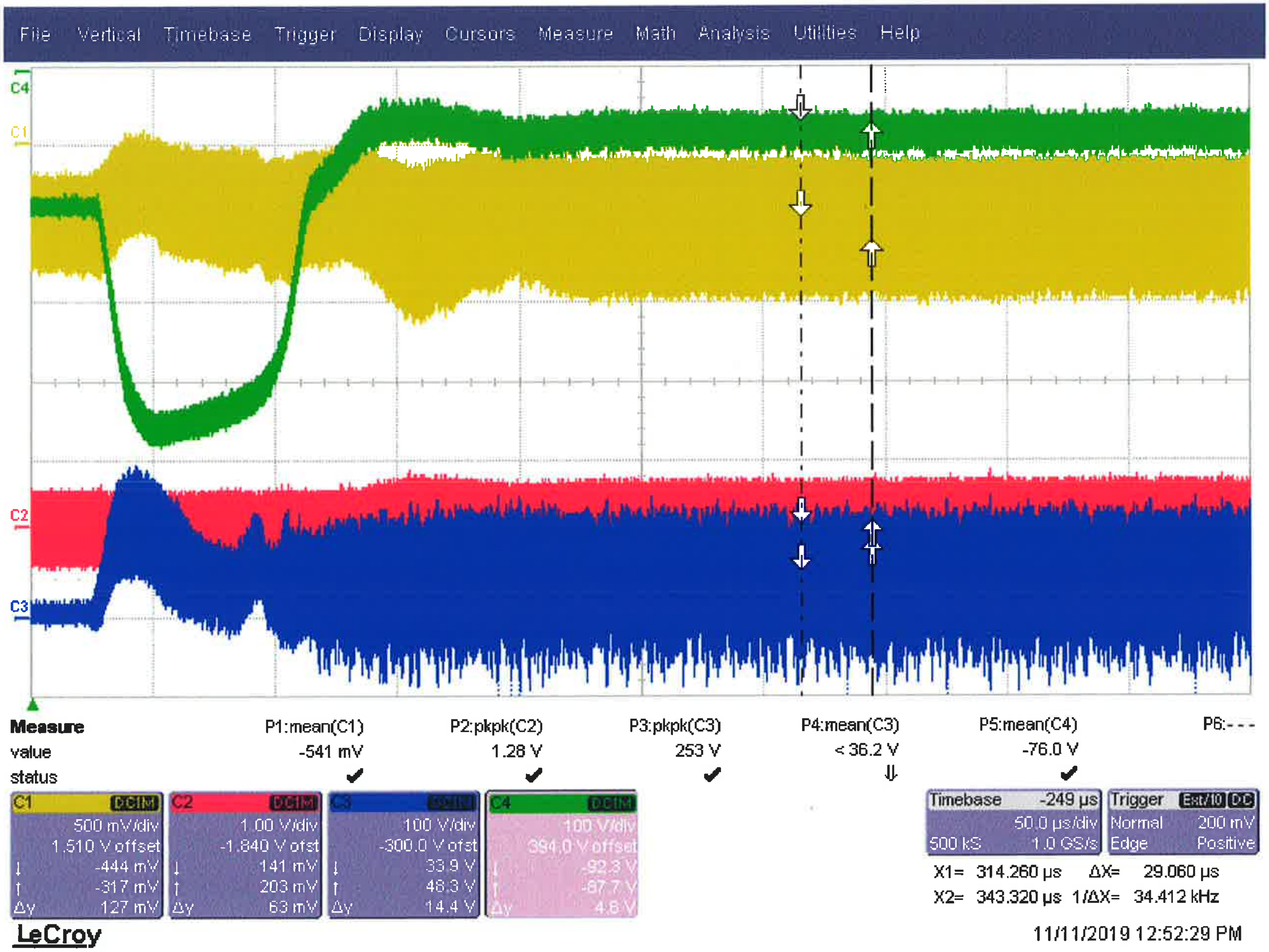
XY X:F1... 200 mV 200 mV 18 #

Z4 zoom(... 1.00 50.0 µs 18 #

Tbase -2.00 ms 500 µs/div 2.50 kS 500 kS/s

Trigger C4 DC Normal 1.00 V Edge Negative

11/11/2019 12:51:52 PM


File
Vertical
Timebase
Trigger
Display
Cursors
Measure
Math
Analysis
Utilities
Help
C4
C1
C2
C3
LeCroy

Measure	P1:mean(C1)	P2:pkpk(C2)	P3:pkpk(C3)	P4:mean(C3)	P5:mean(C4)	P6:- - -
value	-541 mV	1.28 V	253 V	< 36.2 V	-76.0 V	
status	✓	✓	✓	⇓	✓	

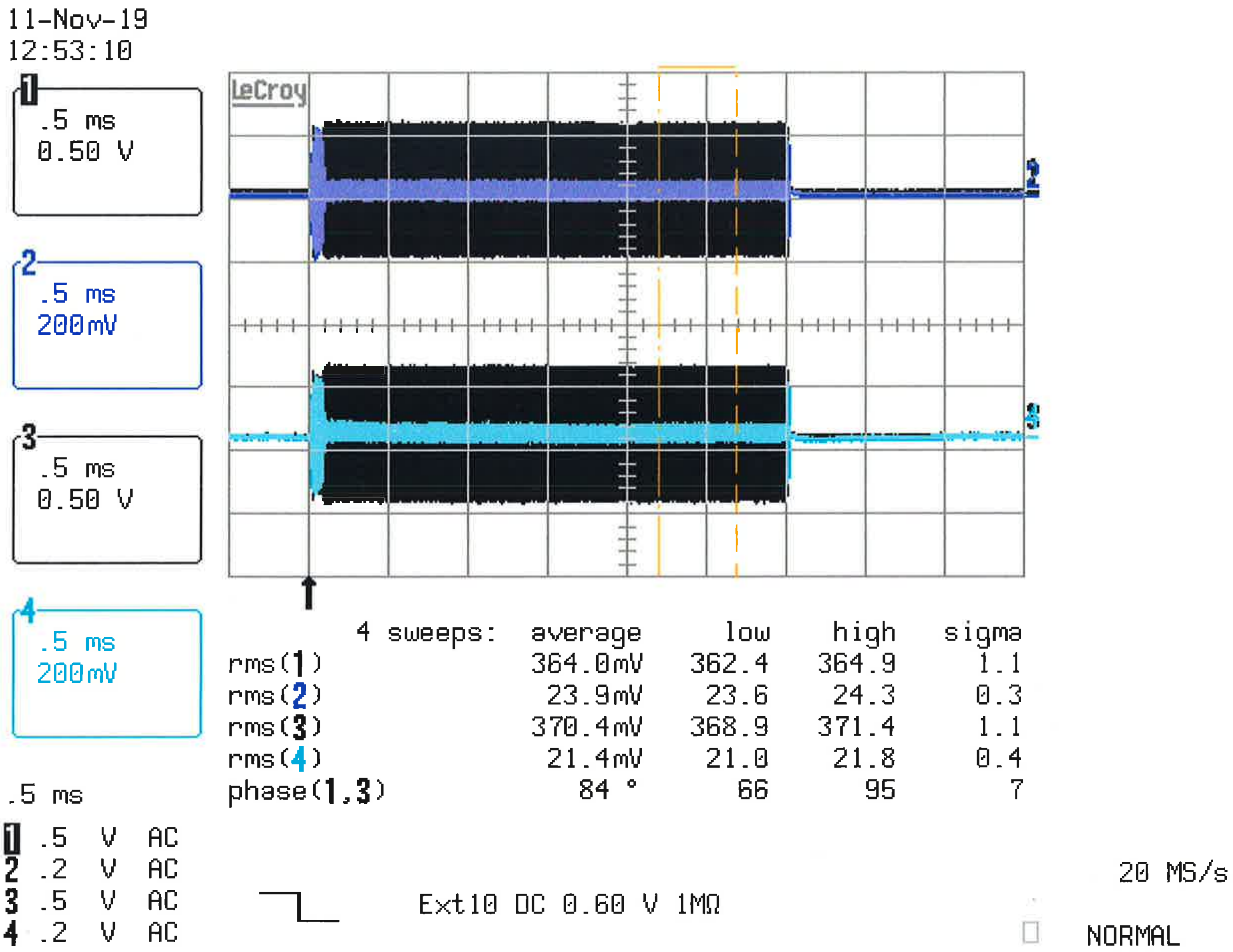
C1 DCIM	C2 DCIM	C3 DCIM	C4 DCIM
500 mV/div	1.00 V/div	100 V/div	100 V/div
1.510 V offset	-1.840 V ofst	-300.0 V ofst	394.0 V offset
↓ -444 mV	↓ 141 mV	↓ 33.9 V	↓ -92.3 V
↑ -317 mV	↑ 203 mV	↑ 48.3 V	↑ -87.7 V
Δy 127 mV	Δy 63 mV	Δy 14.4 V	Δy 4.6 V

Timebase	-249 µs	Trigger	Ext/10 DC
	50.0 µs/div	Normal	200 mV
500 kS	1.0 GS/s	Edge	Positive

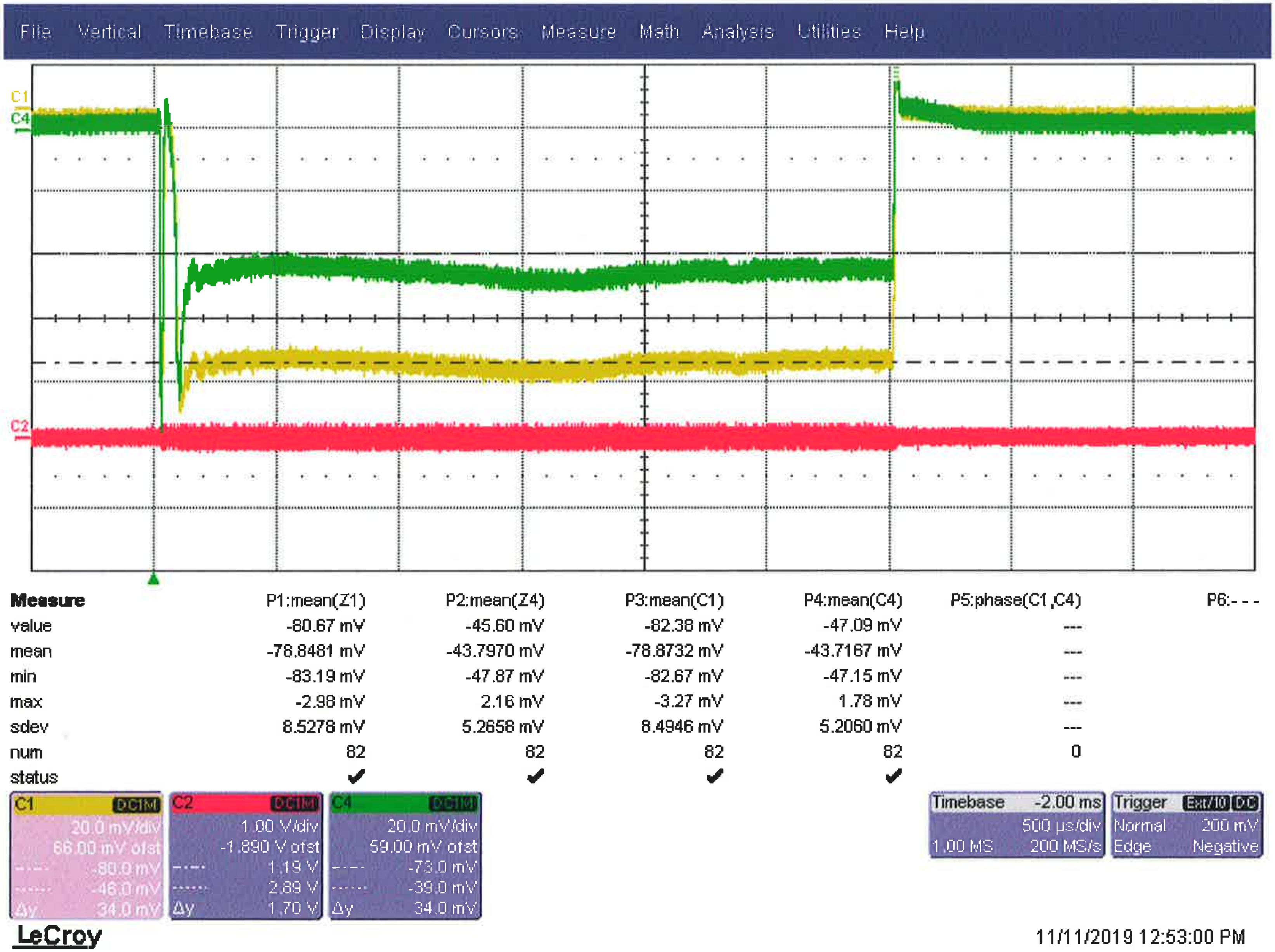
X1= 314.260 µs ΔX= 29.060 µs

X2= 343.320 µs 1/ΔX= 34.412 kHz

11/11/2019 12:52:29 PM



```
11-Nov-19
12:53:10

1  .5 ms
   0.50 V

2  .5 ms
   200mV

3  .5 ms
   0.50 V

4  .5 ms
   200mV

              4 sweeps:   average      low     high    sigma
rms(1)                    364.0mV    362.4    364.9      1.1
rms(2)                     23.9mV     23.6     24.3      0.3
rms(3)                    370.4mV    368.9    371.4      1.1
rms(4)                     21.4mV     21.0     21.8      0.4
phase(1,3)                   84 °       66       95        7

.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
C1
C4
C2

Measure	P1:mean(Z1)	P2:mean(Z4)	P3:mean(C1)	P4:mean(C4)	P5:phase(C1,C4)	P6:- - -
value	-80.67 mV	-45.60 mV	-82.38 mV	-47.09 mV	---	
mean	-78.8481 mV	-43.7970 mV	-78.8732 mV	-43.7167 mV	---	
min	-83.19 mV	-47.87 mV	-82.67 mV	-47.15 mV	---	
max	-2.98 mV	2.16 mV	-3.27 mV	1.78 mV	---	
sdev	8.5278 mV	5.2658 mV	8.4946 mV	5.2060 mV	---	
num	82	82	82	82	0	
status	✓	✓	✓	✓		

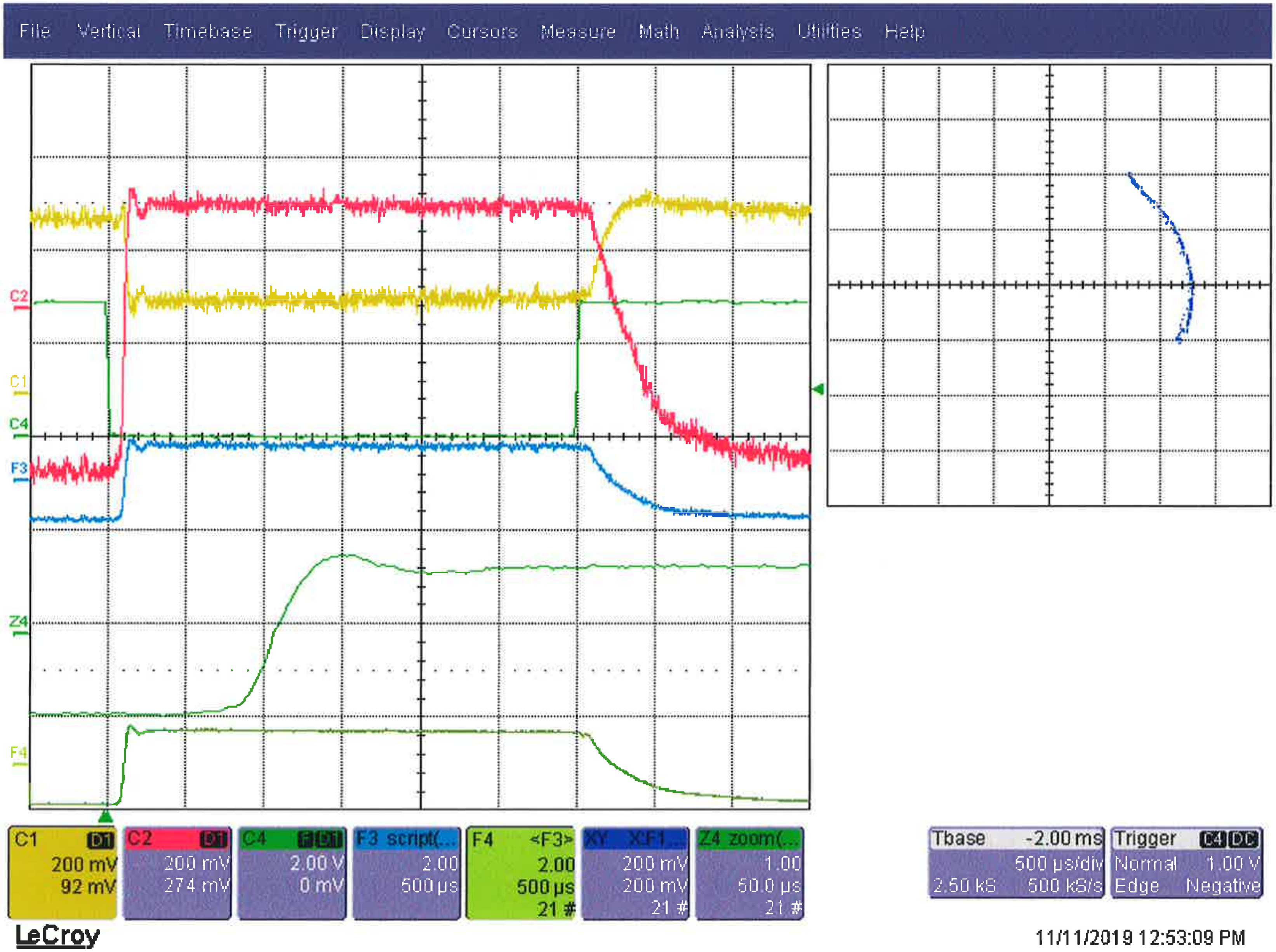
C1 DC1M	C2 DC1M	C4 DC1M
20.0 mV/div	1.00 V/div	20.0 mV/div
66.00 mV ofst	-1.890 V ofst	59.00 mV ofst
-·-·- -80.0 mV	-·-·- 1.19 V	-·-·- -73.0 mV
------ -46.0 mV	------ 2.89 V	------ -39.0 mV
Δy 34.0 mV	Δy 1.70 V	Δy 34.0 mV

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

Trigger	Ext/10 DC
Normal	200 mV
Edge	Negative

LeCroy

11/11/2019 12:53:00 PM


File
Vertical
Timebase
Trigger
Display
Cursors
Measure
Math
Analysis
Utilities
Help
C2
C1
C4
F3
Z4
F4
LeCroy

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 21 #

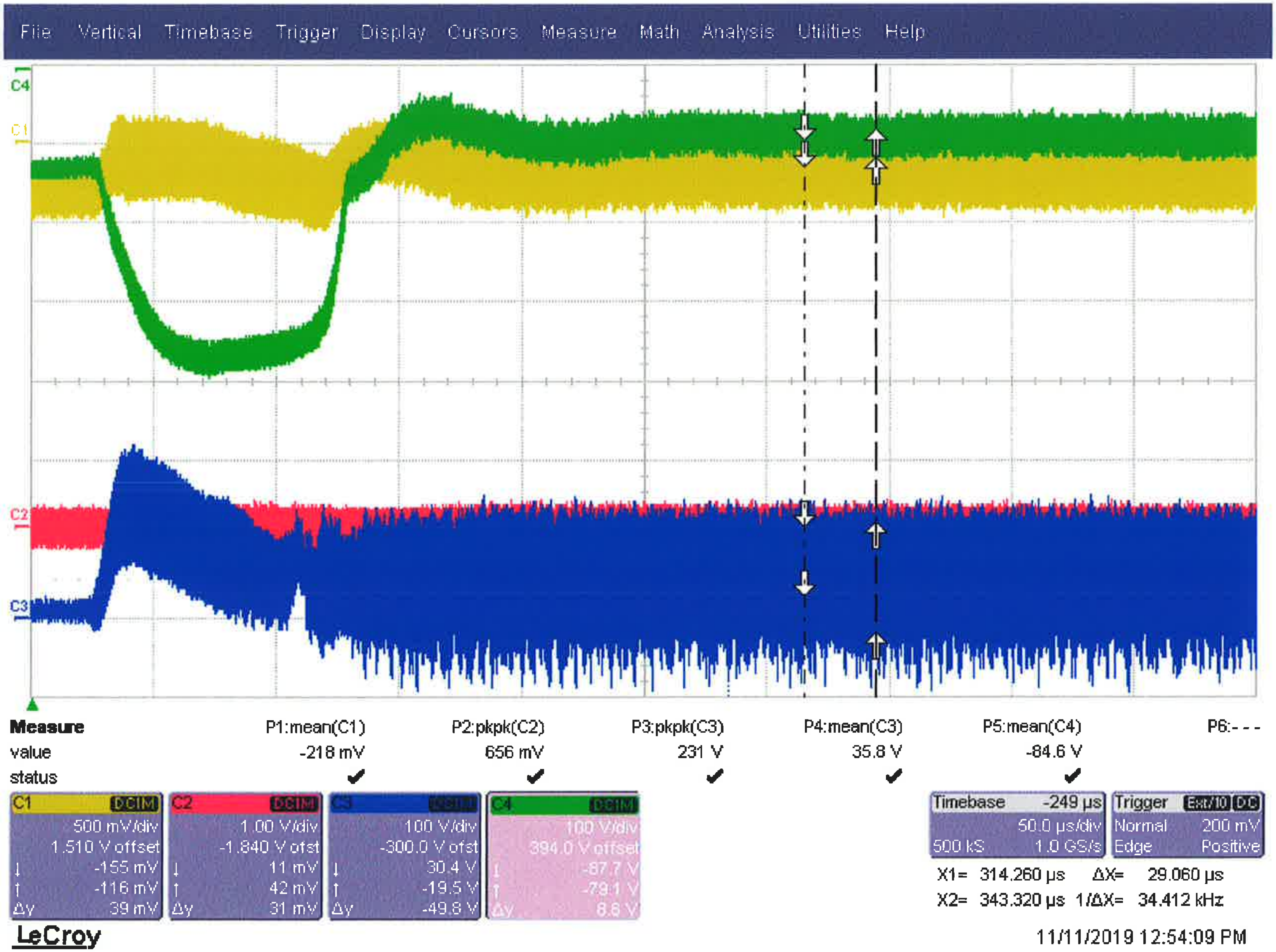
XY X:F1... 200 mV 200 mV 21 #

Z4 zoom(... 1.00 50.0 µs 21 #

Tbase -2.00 ms 500 µs/div 2.50 kS 500 kS/s

Trigger C4 DC Normal 1.00 V Edge Negative

11/11/2019 12:53:09 PM


File
Vertical
Timebase
Trigger
Display
Cursors
Measure
Math
Analysis
Utilities
Help
C4
C1
C2
C3
LeCroy

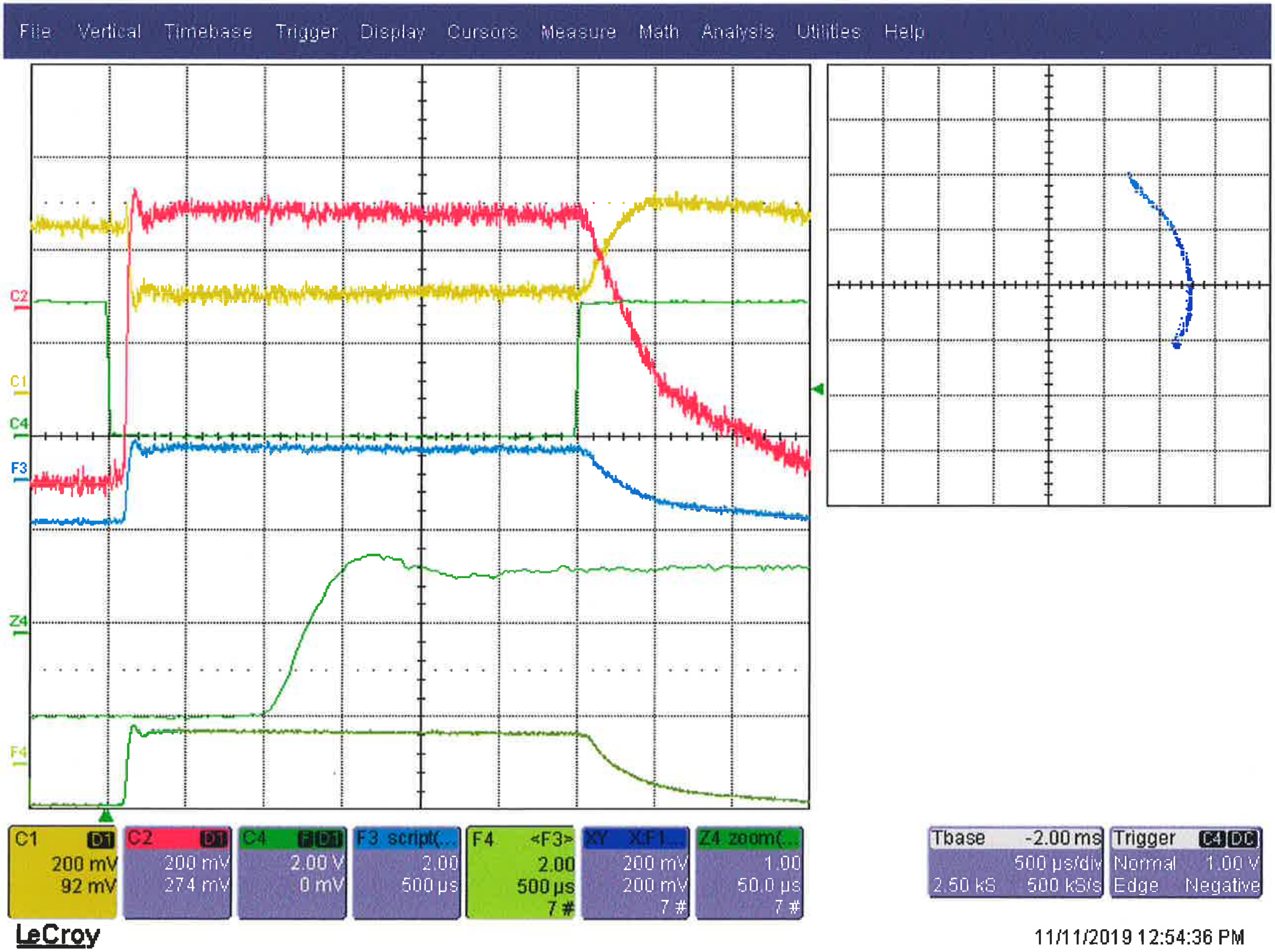
Measure	P1:mean(C1)	P2:pkpk(C2)	P3:pkpk(C3)	P4:mean(C3)	P5:mean(C4)	P6:- - -
value	-218 mV	656 mV	231 V	35.8 V	-84.6 V	
status	✔	✔	✔	✔	✔	

C1 DC1M	C2 DC1M	C3 DC1M	C4 DC1M
500 mV/div	1.00 V/div	100 V/div	100 V/div
1.510 V offset	-1.840 V ofst	-300.0 V ofst	394.0 V offset
↓ -155 mV	↓ 11 mV	↓ 30.4 V	↓ -87.7 V
↑ -116 mV	↑ 42 mV	↑ -19.5 V	↑ -79.1 V
Δy 39 mV	Δy 31 mV	Δy -49.8 V	Δy 8.8 V

Timebase -249 µs	Trigger Ext/10 DC
50.0 µs/div	Normal 200 mV
500 kS 1.0 GS/s	Edge Positive

X1= 314.260 µs ΔX= 29.060 µs
X2= 343.320 µs 1/ΔX= 34.412 kHz

11/11/2019 12:54:09 PM


File
Vertical
Timebase
Trigger
Display
Cursors
Measure
Math
Analysis
Utilities
Help
C2
C1
C4
F3
Z4
F4
LeCroy

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 7 #

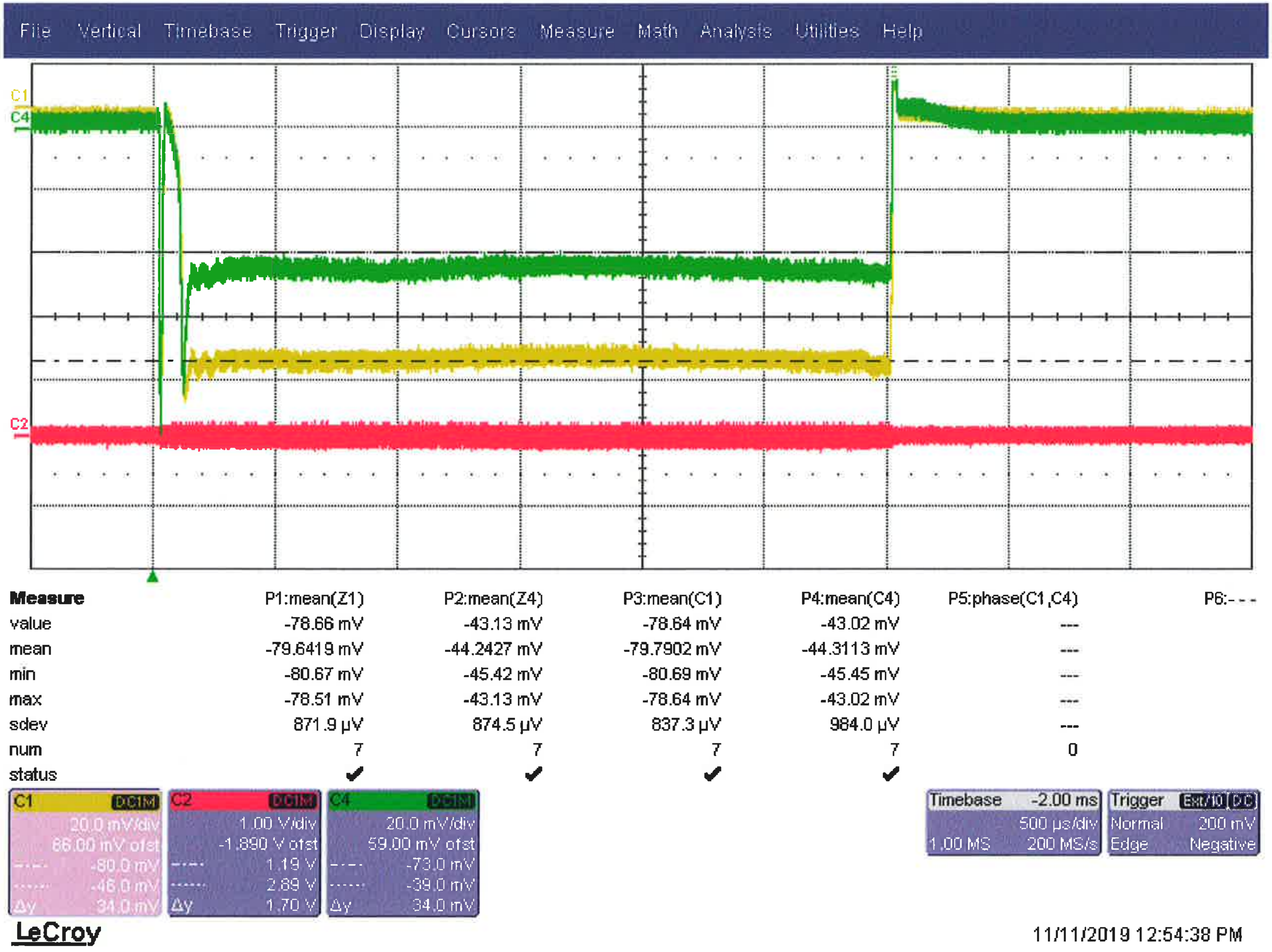
XY X:F1... 200 mV 200 mV 7 #

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

11/11/2019 12:54:36 PM


File
Vertical
Timebase
Trigger
Display
Cursors
Measure
Math
Analysis
Utilities
Help
C1
C4
C2

Measure	P1:mean(Z1)	P2:mean(Z4)	P3:mean(C1)	P4:mean(C4)	P5:phase(C1,C4)	P6:- - -
value	-78.66 mV	-43.13 mV	-78.64 mV	-43.02 mV	---	
mean	-79.6419 mV	-44.2427 mV	-79.7902 mV	-44.3113 mV	---	
min	-80.67 mV	-45.42 mV	-80.69 mV	-45.45 mV	---	
max	-78.51 mV	-43.13 mV	-78.64 mV	-43.02 mV	---	
sdev	871.9 µV	874.5 µV	837.3 µV	984.0 µV	---	
num	7	7	7	7	0	
status	✓	✓	✓	✓		

C1 DC1M
20.0 mV/div
86.00 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 12:54:38 PM

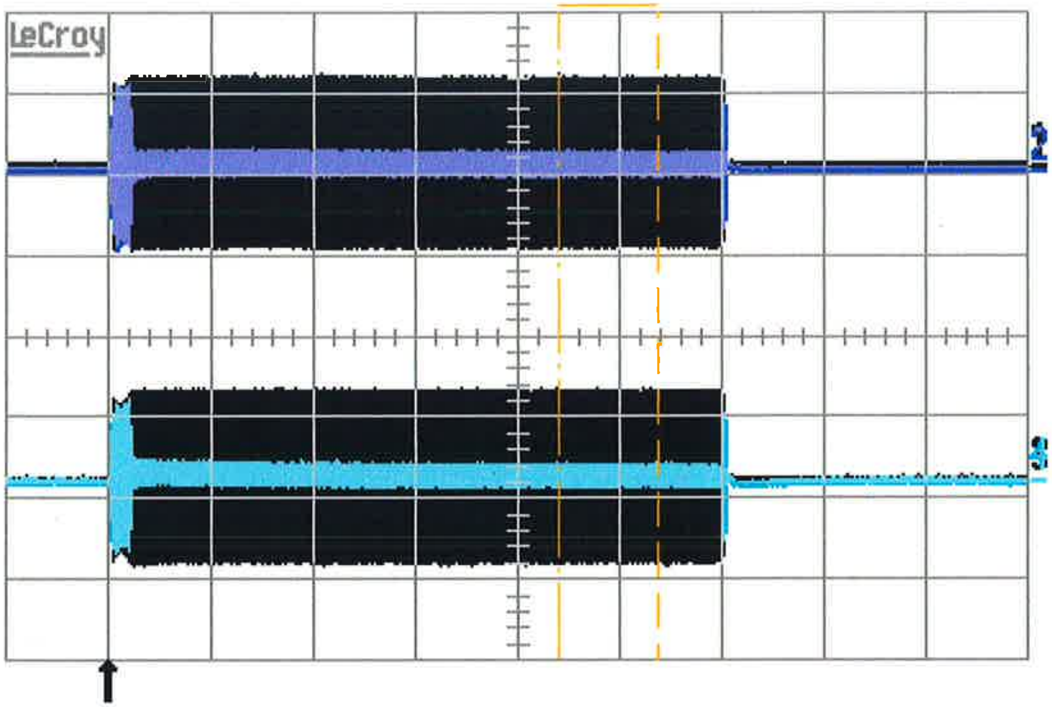
11-Nov-19
12:54:55

1
.5 ms
0.50 V

2
.5 ms
200mV

3
.5 ms
0.50 V

4
.5 ms
200mV



9 sweeps:	average	low	high	sigma
rms(1)	364.2mV	362.8	365.1	0.8
rms(2)	23.7mV	21.6	24.9	1.0
rms(3)	370.3mV	369.1	371.0	0.7
rms(4)	21.3mV	19.0	22.9	1.1
phase(1,3)	84 °	69	97	7

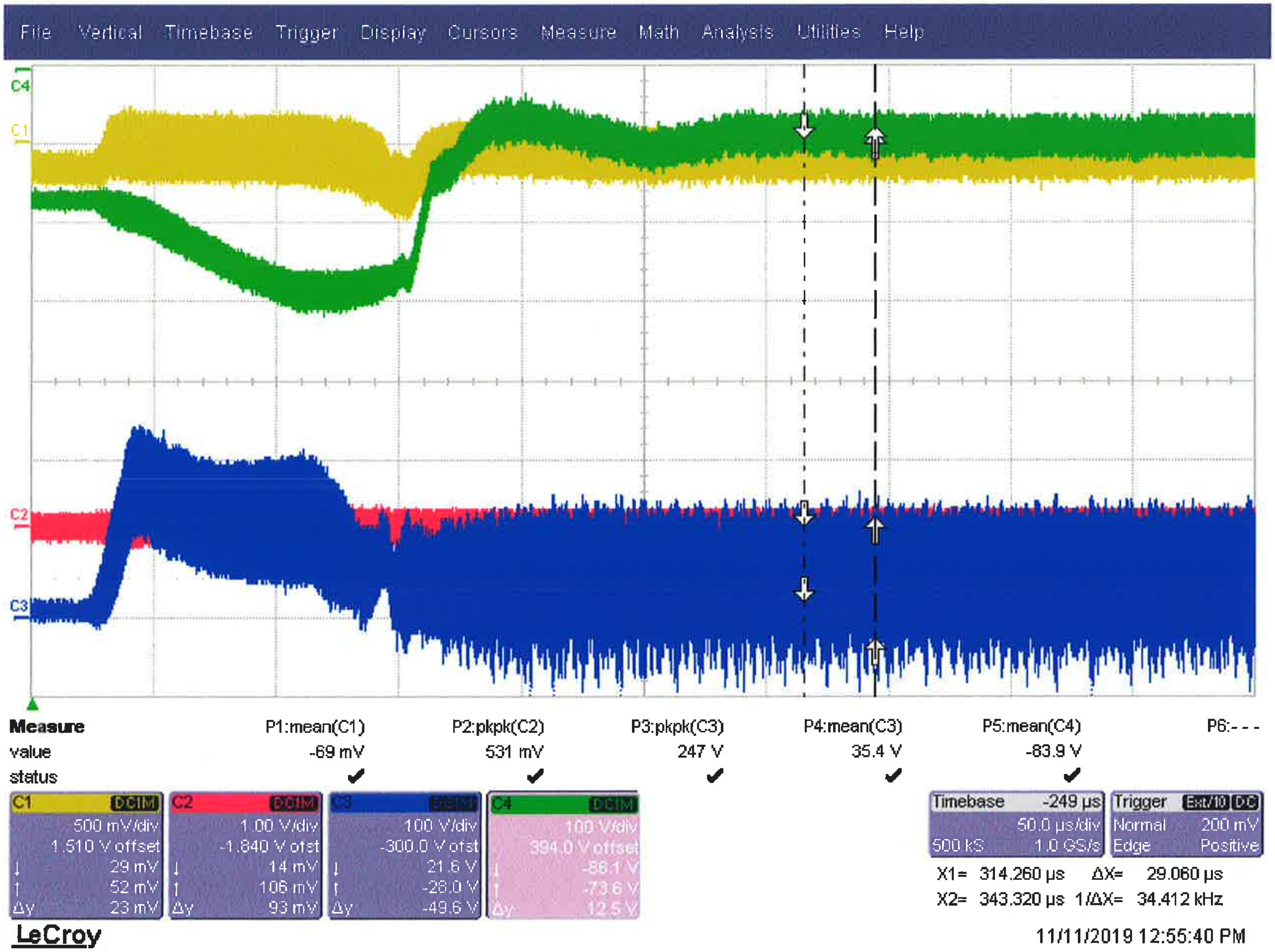
.5 ms

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
C4
C1
C2
C3
LeCroy

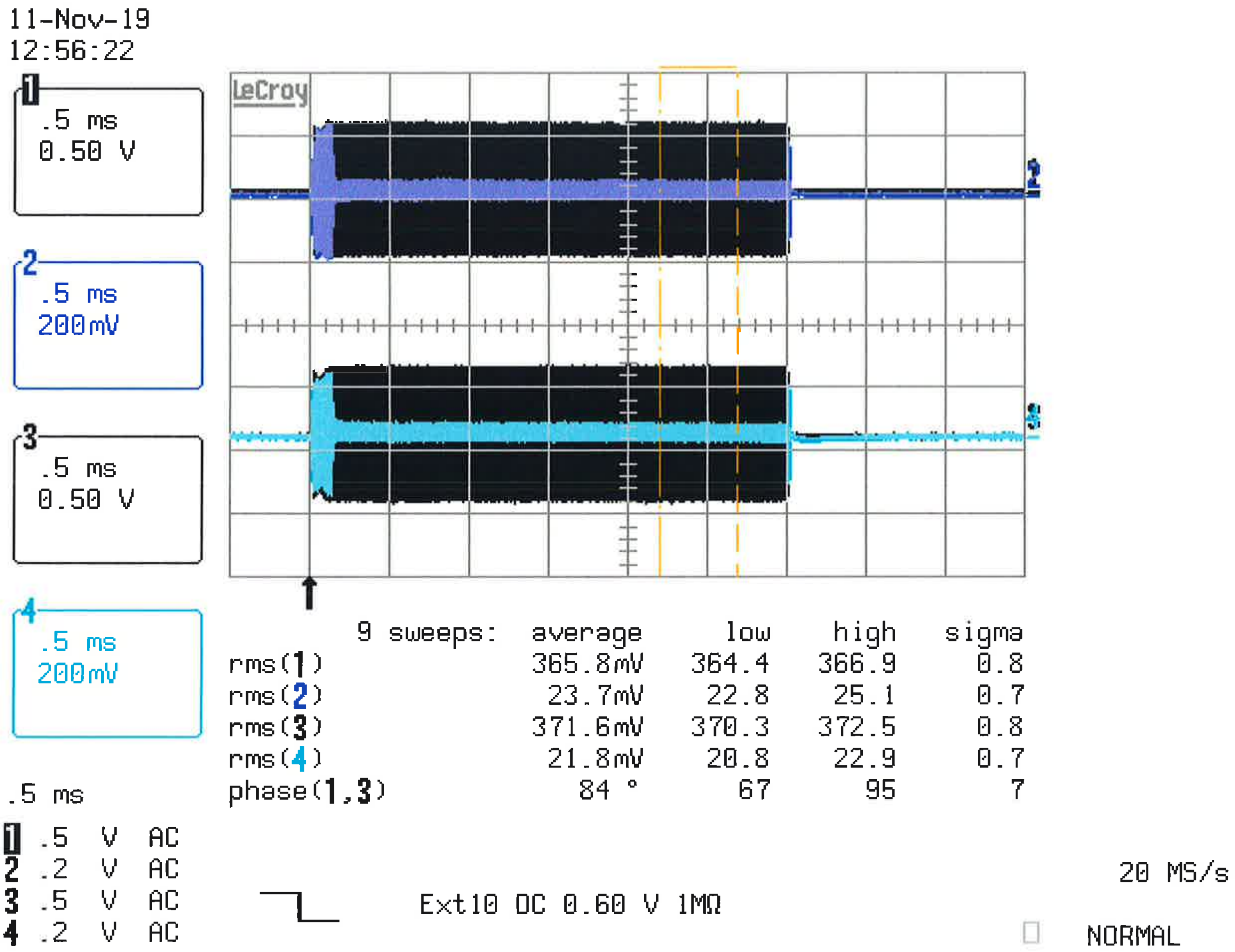
Measure	P1:mean(C1)	P2:pkpk(C2)	P3:pkpk(C3)	P4:mean(C3)	P5:mean(C4)	P6:- - -
value	-69 mV	531 mV	247 V	35.4 V	-83.9 V	
status	✓	✓	✓	✓	✓	

C1 DC1M	C2 DC1M	C3 DC1M	C4 DC1M
500 mV/div	1.00 V/div	100 V/div	100 V/div
1.510 V offset	-1.840 V ofst	-300.0 V ofst	394.0 V offset
↓ 29 mV	↓ 14 mV	↓ 21.6 V	↓ -86.1 V
↑ 52 mV	↑ 106 mV	↑ -28.0 V	↑ -73.6 V
Δy 23 mV	Δy 93 mV	Δy -49.6 V	Δy 12.5 V

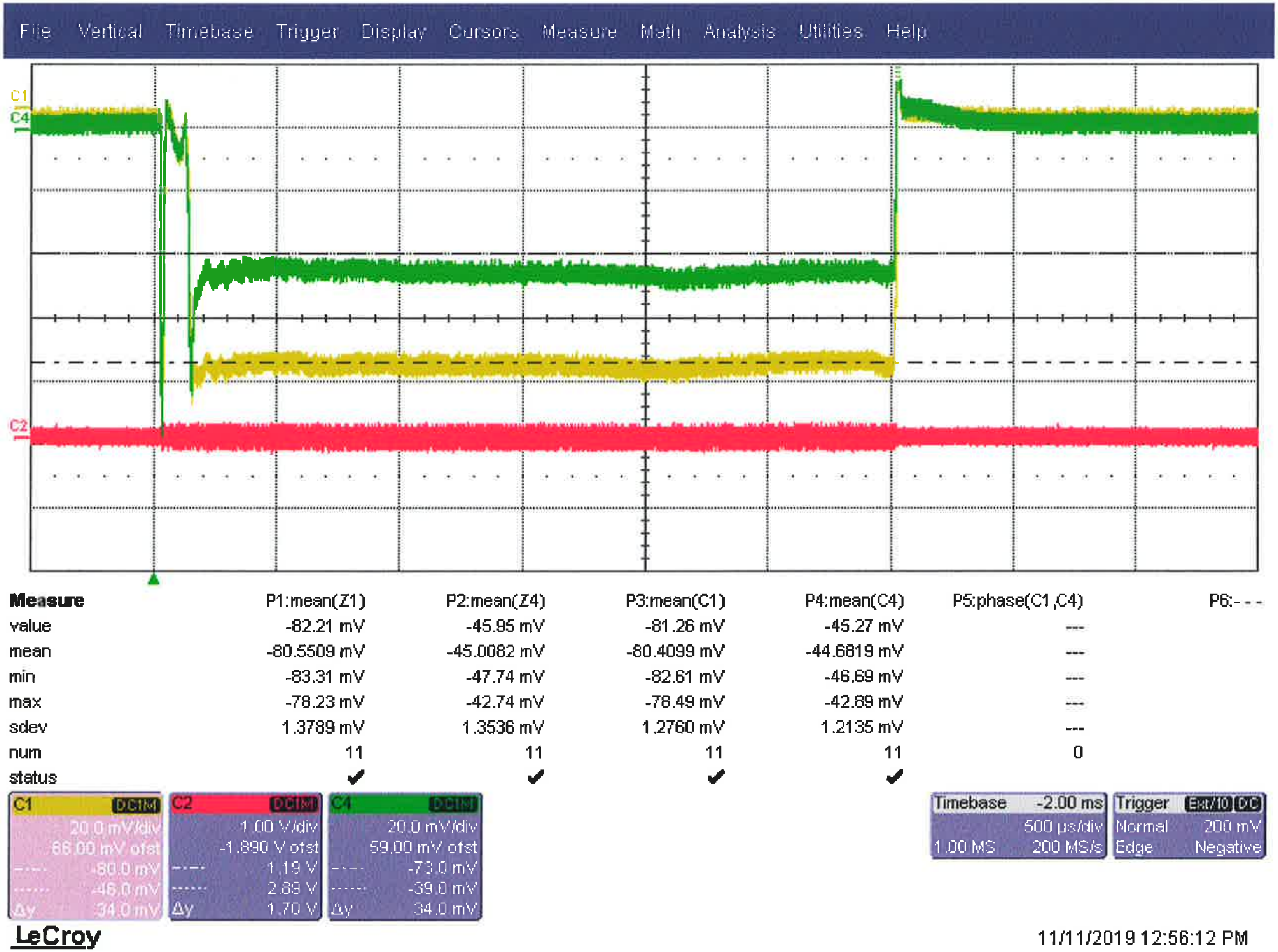
Timebase -249 µs	Trigger Ext/10 DC
50.0 µs/div	Normal 200 mV
500 kS 1.0 GS/s	Edge Positive

X1= 314.260 µs ΔX= 29.060 µs
X2= 343.320 µs 1/ΔX= 34.412 kHz

11/11/2019 12:55:40 PM



```
11-Nov-19
12:56:22

1  .5 ms
   0.50 V

2  .5 ms
   200mV

3  .5 ms
   0.50 V

4  .5 ms
   200mV

                  9 sweeps:   average      low     high    sigma
rms(1)                        365.8mV    364.4    366.9      0.8
rms(2)                         23.7mV     22.8     25.1      0.7
rms(3)                        371.6mV    370.3    372.5      0.8
rms(4)                         21.8mV     20.8     22.9      0.7
phase(1,3)                       84 °       67       95        7

.5 ms
1  .5   V   AC
2  .2   V   AC
3  .5   V   AC
4  .2   V   AC
                                                        20 MS/s
                   Ext10 DC 0.60 V 1MΩ
                                                  ☐    NORMAL
```


File
Vertical
Timebase
Trigger
Display
Cursors
Measure
Math
Analysis
Utilities
Help
C1
C4
C2

Measure	P1:mean(Z1)	P2:mean(Z4)	P3:mean(C1)	P4:mean(C4)	P5:phase(C1,C4)	P6:- - -
value	-82.21 mV	-45.95 mV	-81.26 mV	-45.27 mV	---	
mean	-80.5509 mV	-45.0082 mV	-80.4099 mV	-44.6819 mV	---	
min	-83.31 mV	-47.74 mV	-82.61 mV	-46.69 mV	---	
max	-78.23 mV	-42.74 mV	-78.49 mV	-42.89 mV	---	
sdev	1.3789 mV	1.3536 mV	1.2760 mV	1.2135 mV	---	
num	11	11	11	11	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

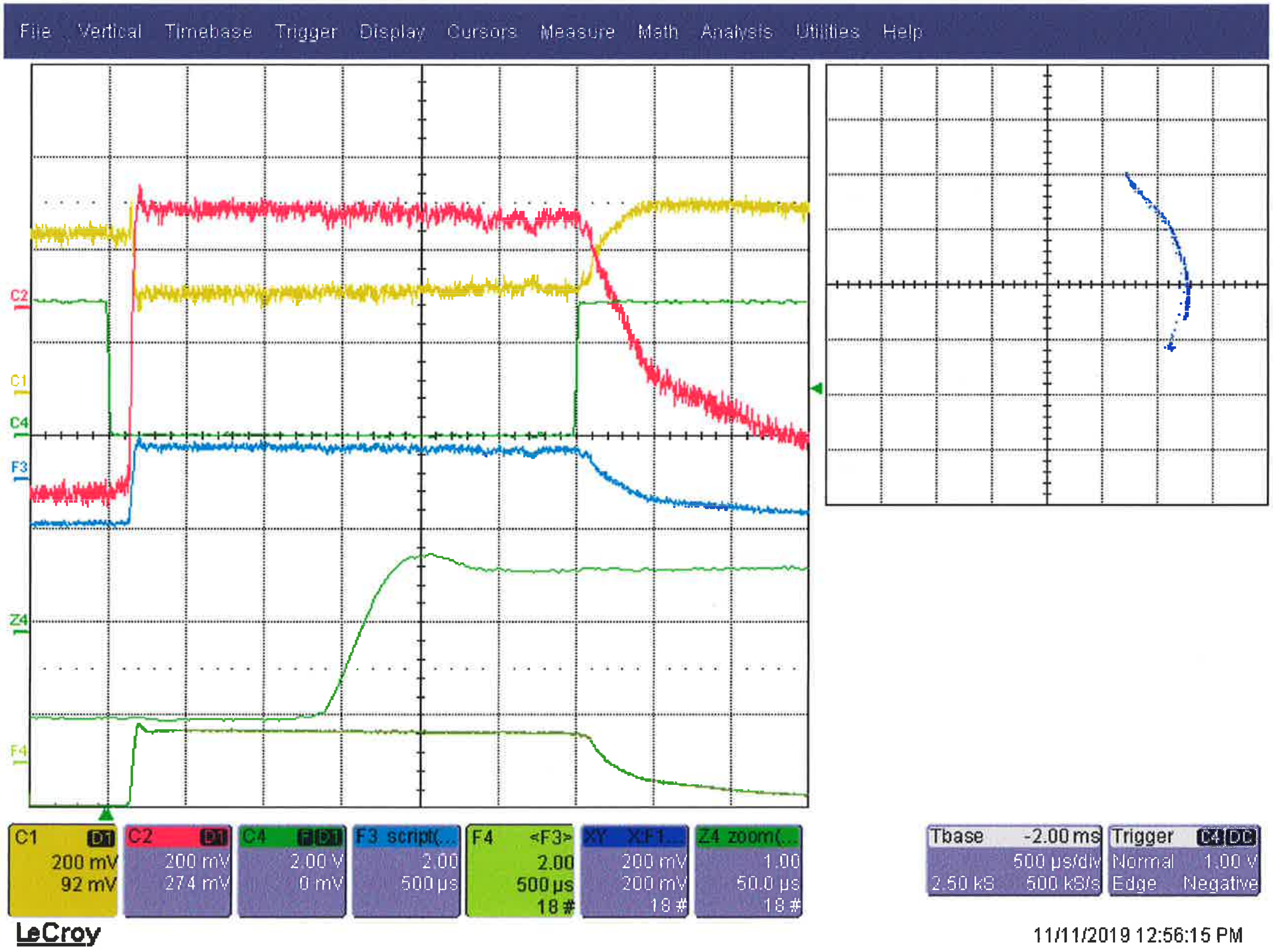
C4 DC1M
20.0 mV/div
59.00 mV ofst
-73.0 mV
-39.0 mV
Δy 34.0 mV

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 12:56:12 PM


File
Vertical
Timebase
Trigger
Display
Cursors
Measure
Math
Analysis
Utilities
Help
C2
C1
C4
F3
Z4
F4
LeCroy

C1 DD1 200 mV 92 mV

C2 DD1 200 mV 274 mV

C4 DD1 2.00 V 0 mV

F3 script(... 2.00 500 µs

F4 <F3> 2.00 500 µs 18 #

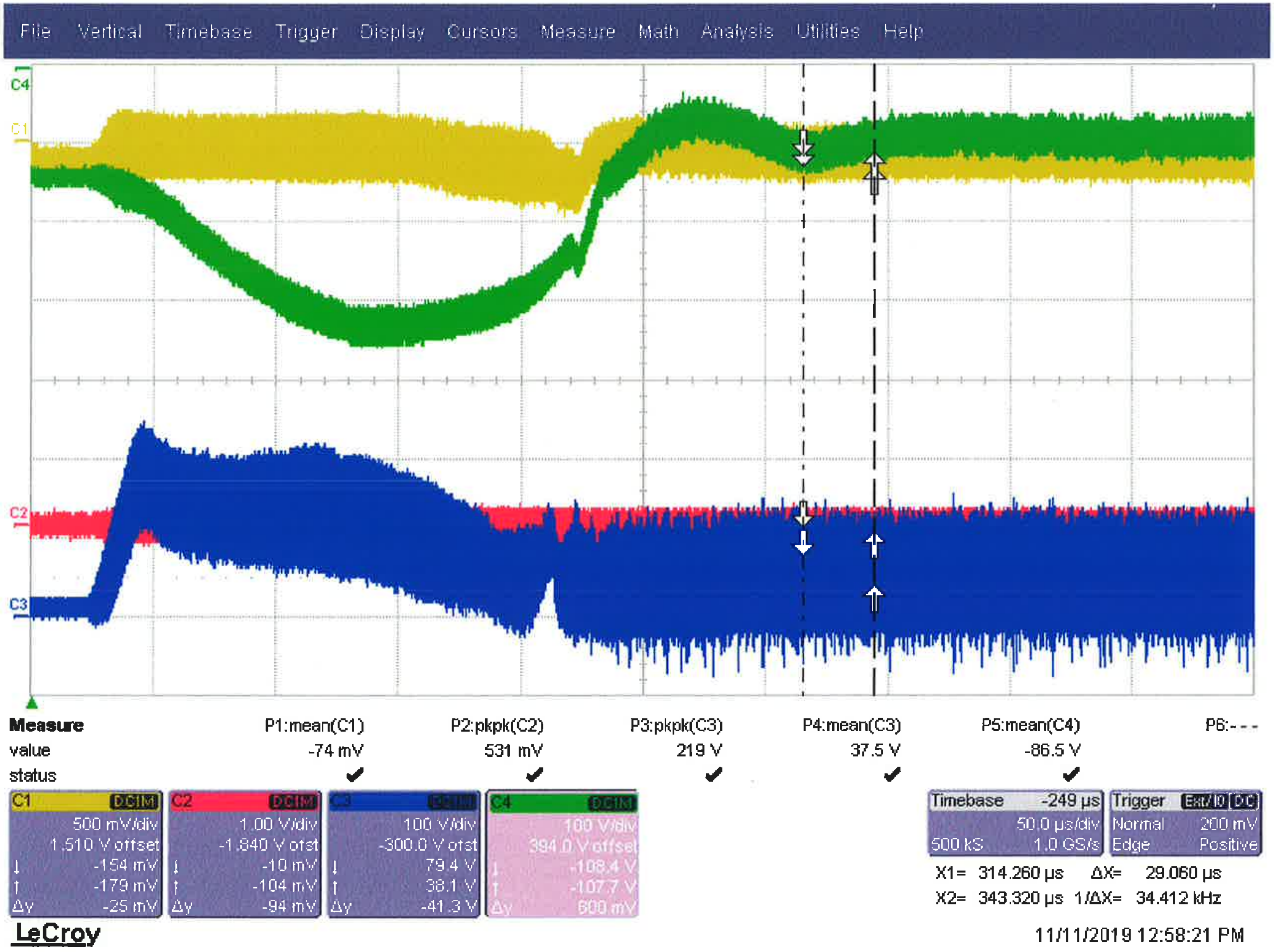
XY X:F1... 200 mV 200 mV 18 #

Z4 zoom(... 1.00 50.0 µs 18 #

Tbase -2.00 ms 500 µs/div 2.50 kS 500 kS/s

Trigger C4 DC Normal 1.00 V Edge Negative

11/11/2019 12:56:15 PM


File
Vertical
Timebase
Trigger
Display
Cursors
Measure
Math
Analysis
Utilities
Help
C4
C1
C2
C3
LeCroy

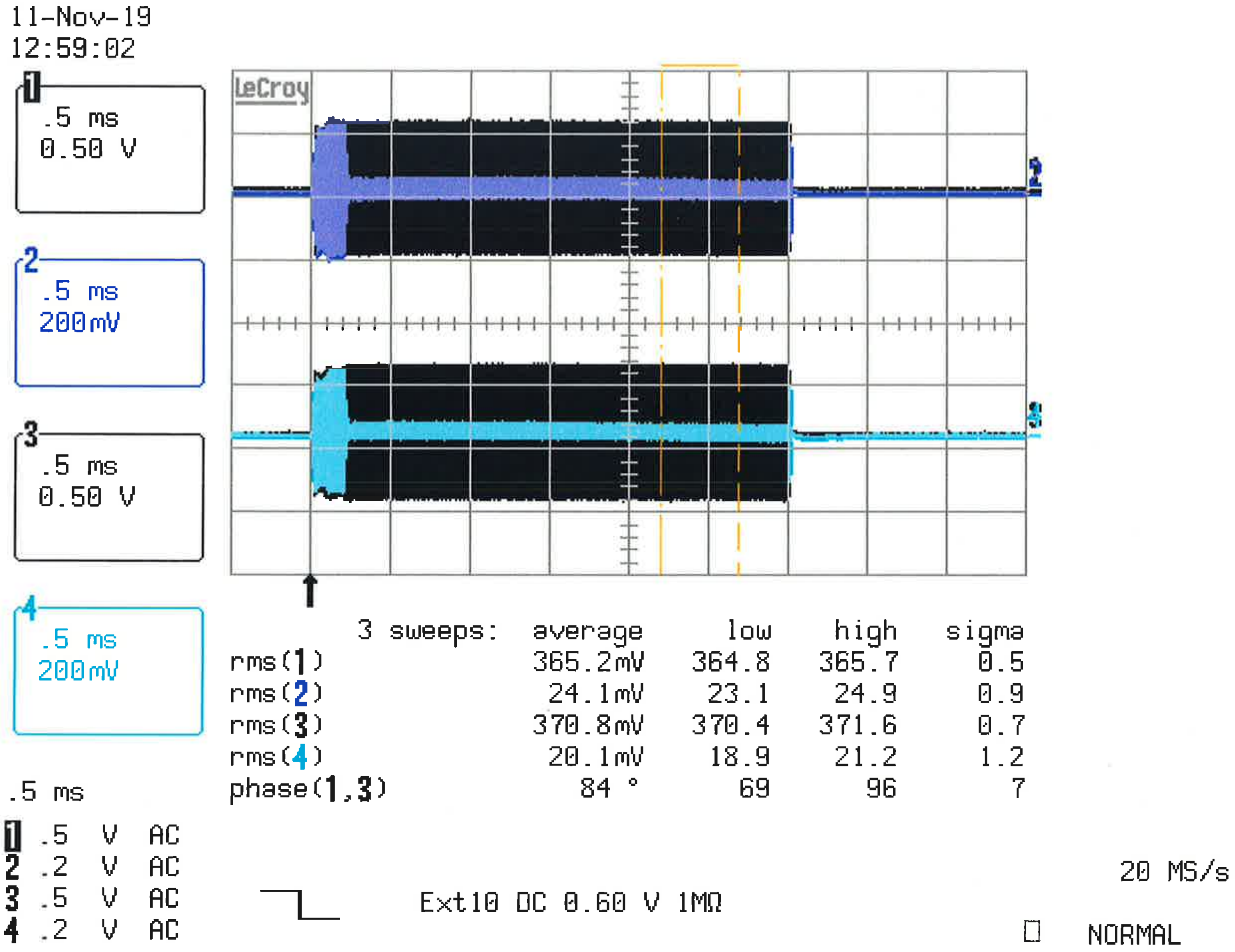
Measure	P1:mean(C1)	P2:pkpk(C2)	P3:pkpk(C3)	P4:mean(C3)	P5:mean(C4)	P6:- - -
value	-74 mV	531 mV	219 V	37.5 V	-86.5 V	
status	✓	✓	✓	✓	✓	

C1 DCIM	C2 DCIM	C3 DCIM	C4 DCIM
500 mV/div	1.00 V/div	100 V/div	100 V/div
1.510 V offset	-1.840 V ofst	-300.0 V ofst	394.0 V offset
↓ -154 mV	↓ -10 mV	↓ 79.4 V	↓ -108.4 V
↑ -179 mV	↑ -104 mV	↑ 38.1 V	↑ -107.7 V
Δy -25 mV	Δy -94 mV	Δy -41.3 V	Δy 600 mV

Timebase	-249 µs	Trigger	Ext/10 DC
	50.0 µs/div	Normal	200 mV
500 kS	1.0 GS/s	Edge	Positive

X1= 314.260 µs ΔX= 29.060 µs
X2= 343.320 µs 1/ΔX= 34.412 kHz

11/11/2019 12:58:21 PM



11-Nov-19
12:59:02

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)                    365.2mV    364.8     365.7      0.5
rms(2)                     24.1mV     23.1      24.9      0.9
rms(3)                    370.8mV    370.4     371.6      0.7
rms(4)                     20.1mV     18.9      21.2      1.2
phase(1,3)                   84 °       69        96        7
```

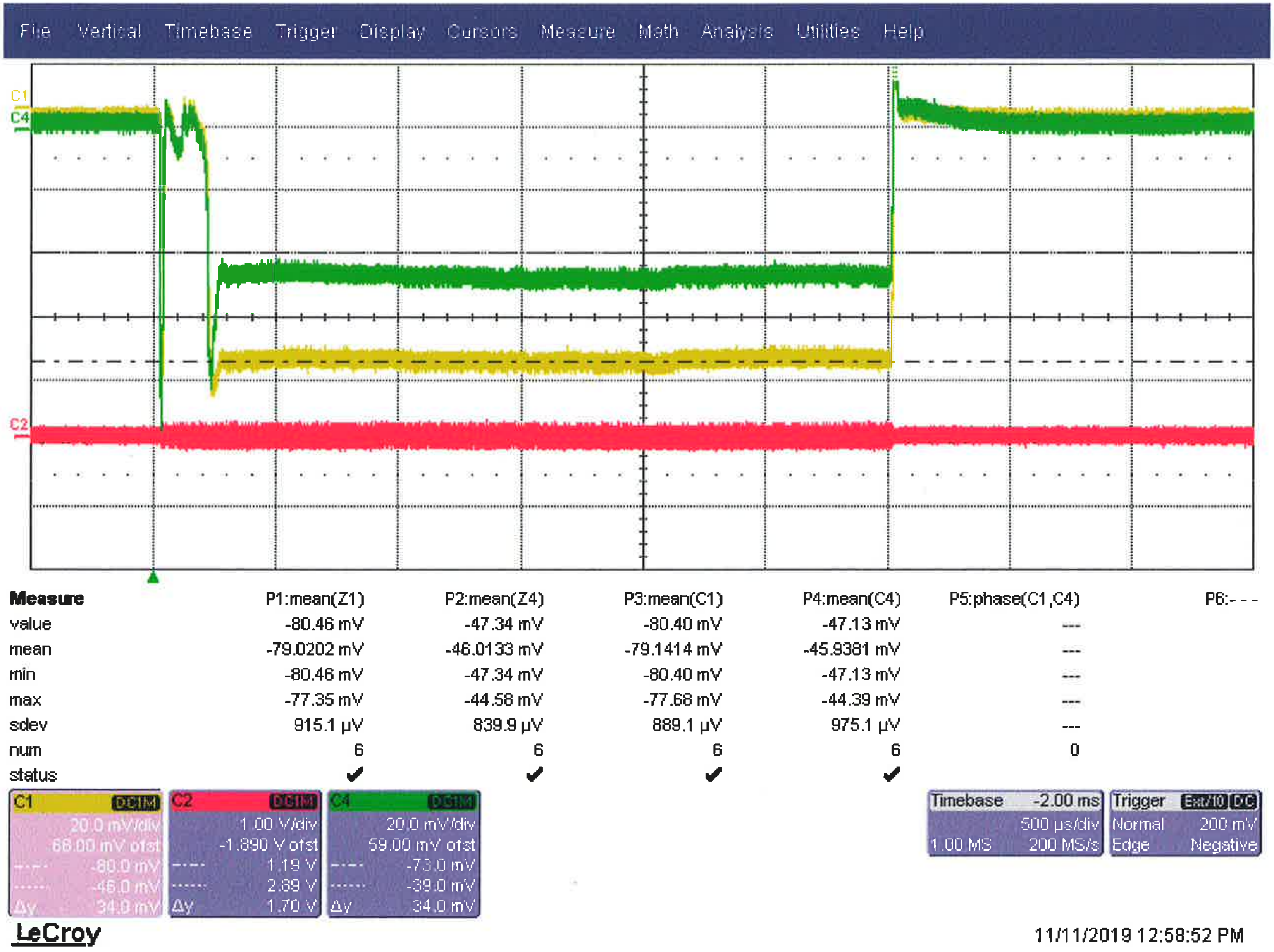
.5 ms

```
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
C1
C4
C2

Measure	P1:mean(Z1)	P2:mean(Z4)	P3:mean(C1)	P4:mean(C4)	P5:phase(C1,C4)	P6:- - -
value	-80.46 mV	-47.34 mV	-80.40 mV	-47.13 mV	---	
mean	-79.0202 mV	-46.0133 mV	-79.1414 mV	-45.9381 mV	---	
min	-80.46 mV	-47.34 mV	-80.40 mV	-47.13 mV	---	
max	-77.35 mV	-44.58 mV	-77.68 mV	-44.39 mV	---	
sdev	915.1 µV	839.9 µV	889.1 µV	975.1 µV	---	
num	6	6	6	6	0	
status	✔	✔	✔	✔		

C1 DC1M
20.0 mV/div
68.00 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

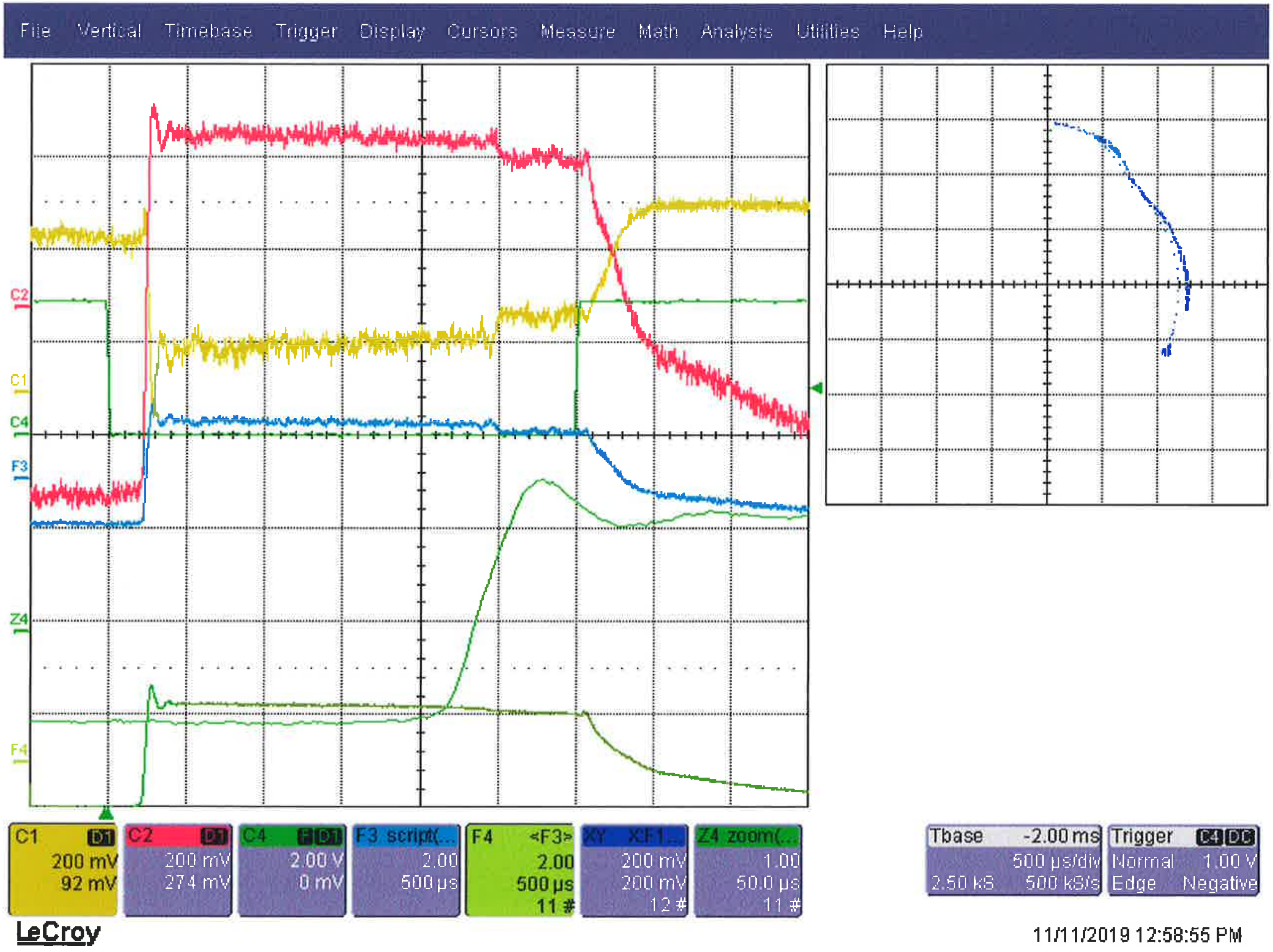
C4 DC1M
20.0 mV/div
59.00 mV ofst
- - - -73.0 mV
······ -39.0 mV
Δy 34.0 mV

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 12:58:52 PM


File
Vertical
Timebase
Trigger
Display
Cursors
Measure
Math
Analysis
Utilities
Help
C2
C1
C4
F3
Z4
F4
LeCroy

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 11 #

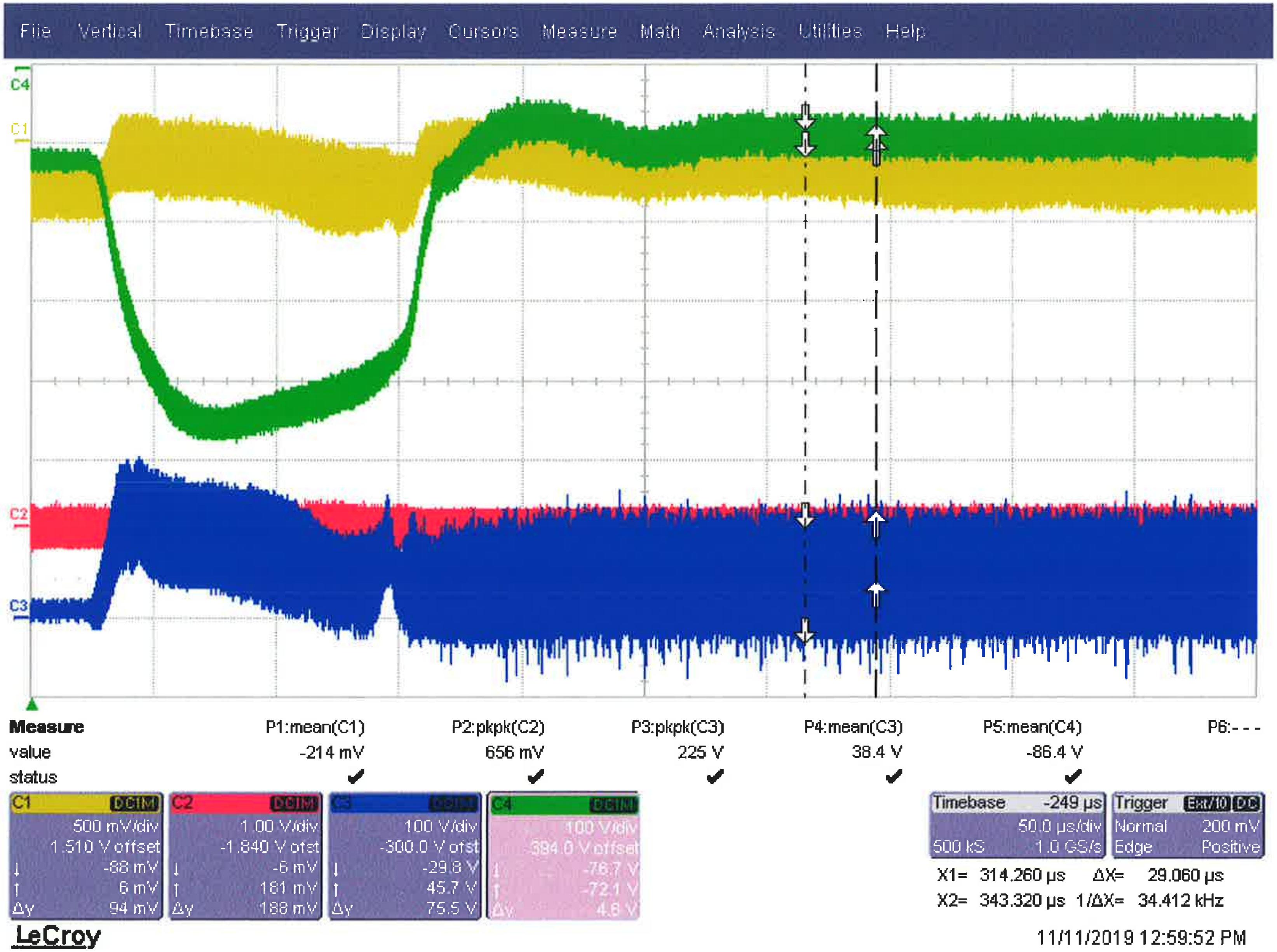
XY XF1... 200 mV 200 mV 12 #

Z4 zoom(... 1.00 50.0 µs 11 #

Tbase -2.00 ms 500 µs/div 2.50 kS 500 kS/s

Trigger C4 DC Normal 1.00 V Edge Negative

11/11/2019 12:58:55 PM


File
Vertical
Timebase
Trigger
Display
Cursors
Measure
Math
Analysis
Utilities
Help
C4
C1
C2
C3
LeCroy

Measure	P1:mean(C1)	P2:pkpk(C2)	P3:pkpk(C3)	P4:mean(C3)	P5:mean(C4)	P6:- - -
value	-214 mV	656 mV	225 V	38.4 V	-86.4 V	
status	✓	✓	✓	✓	✓	

C1 DC1M
500 mV/div
1.510 V offset
↓ -88 mV
↑ 6 mV
Δy 94 mV

C2 DC1M
1.00 V/div
-1.840 V ofst
↓ -6 mV
↑ 181 mV
Δy 188 mV

C3 DC1M
100 V/div
-300.0 V ofst
↓ -29.8 V
↑ 45.7 V
Δy 75.5 V

C4 DC1M
100 V/div
384.0 V offset
↓ -76.7 V
↑ -72.1 V
Δy 4.6 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

11/11/2019 12:59:52 PM