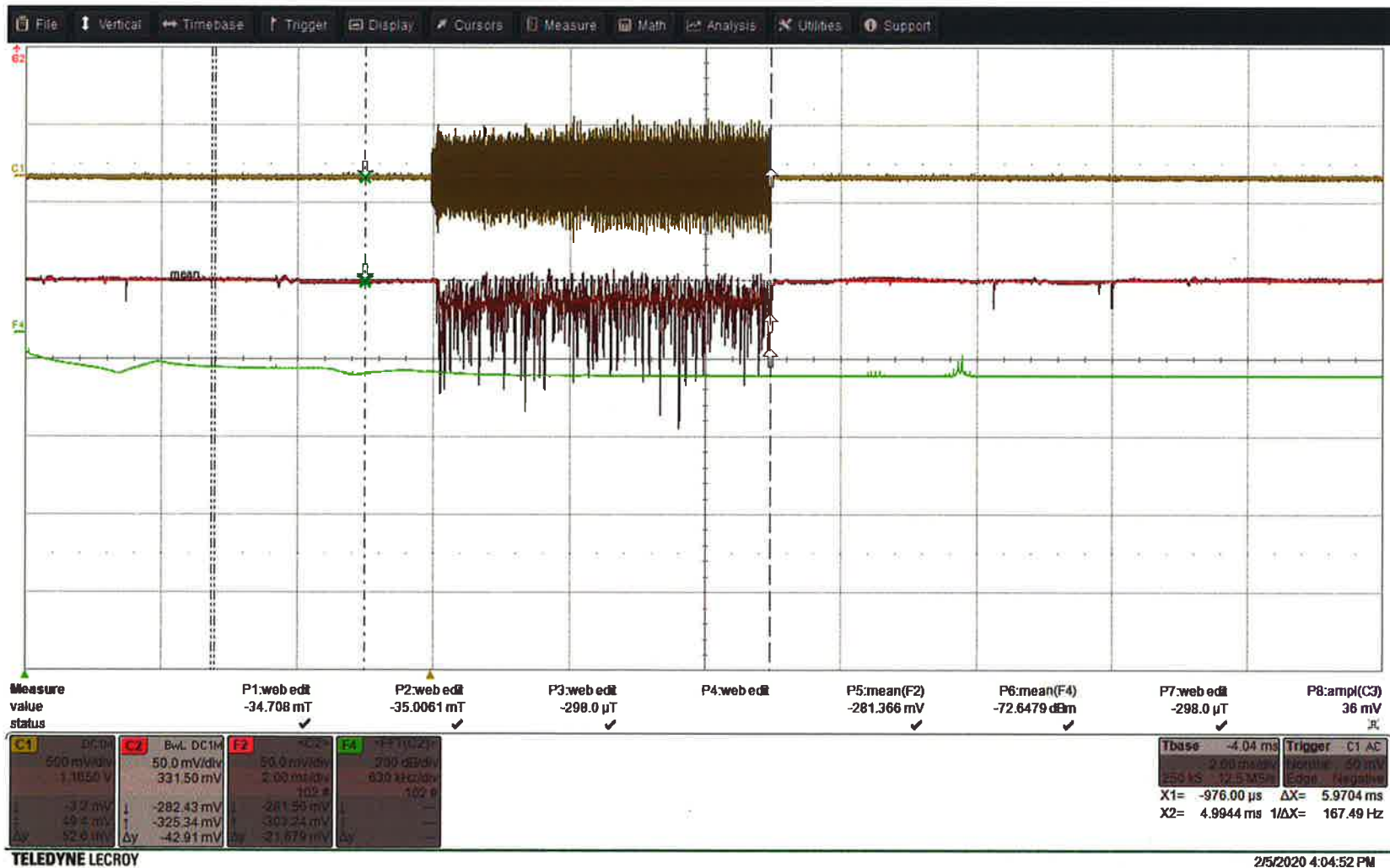
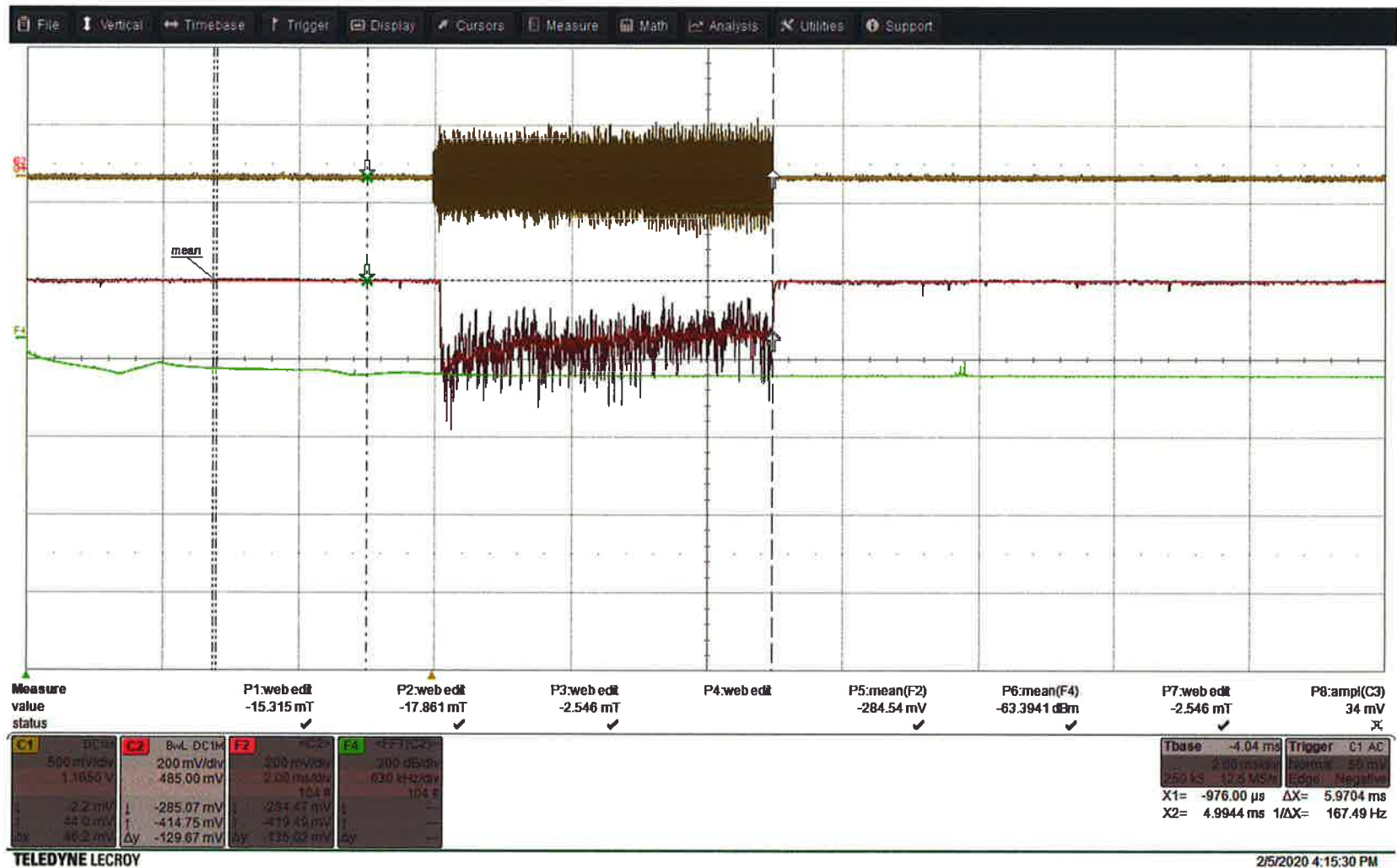
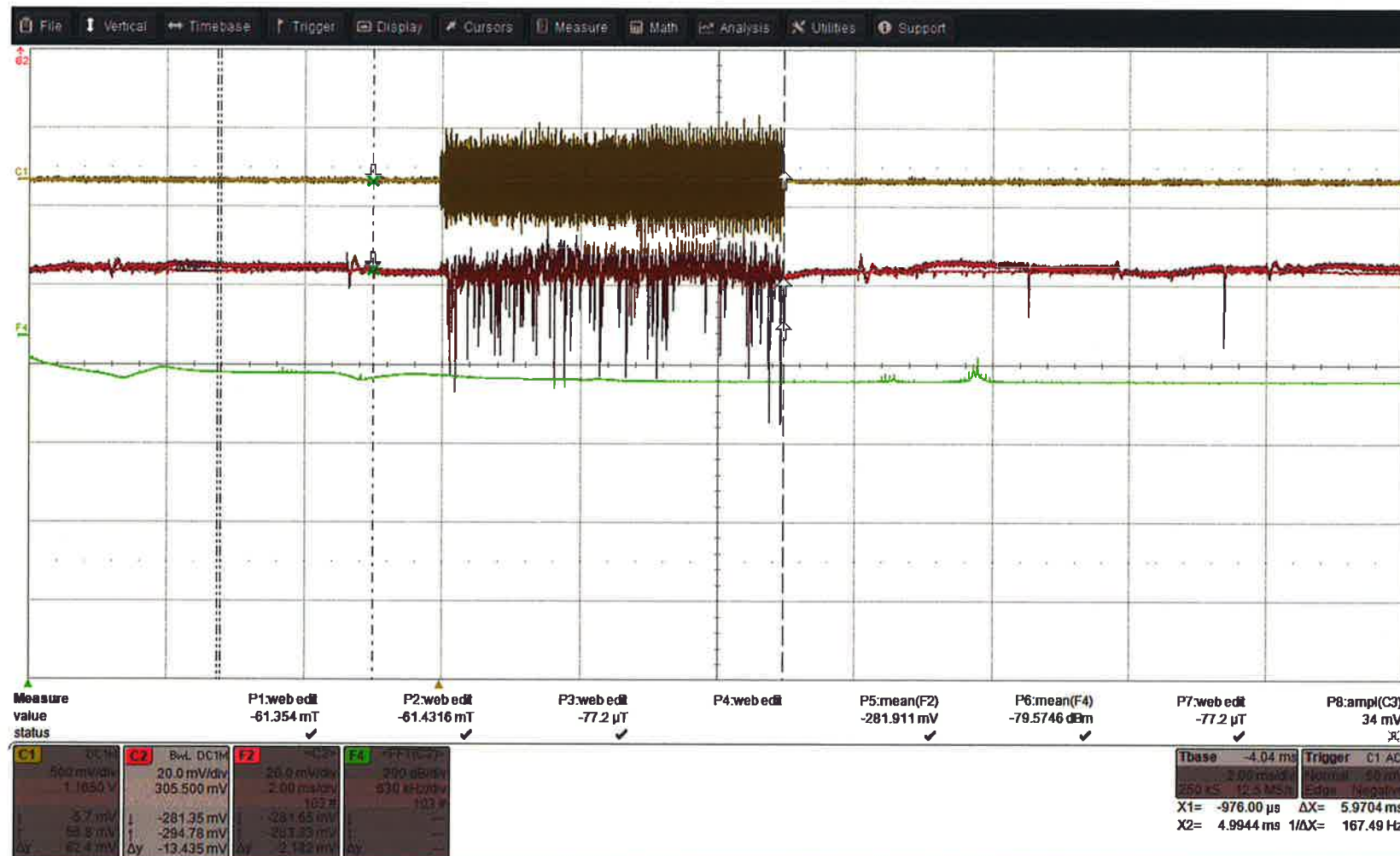


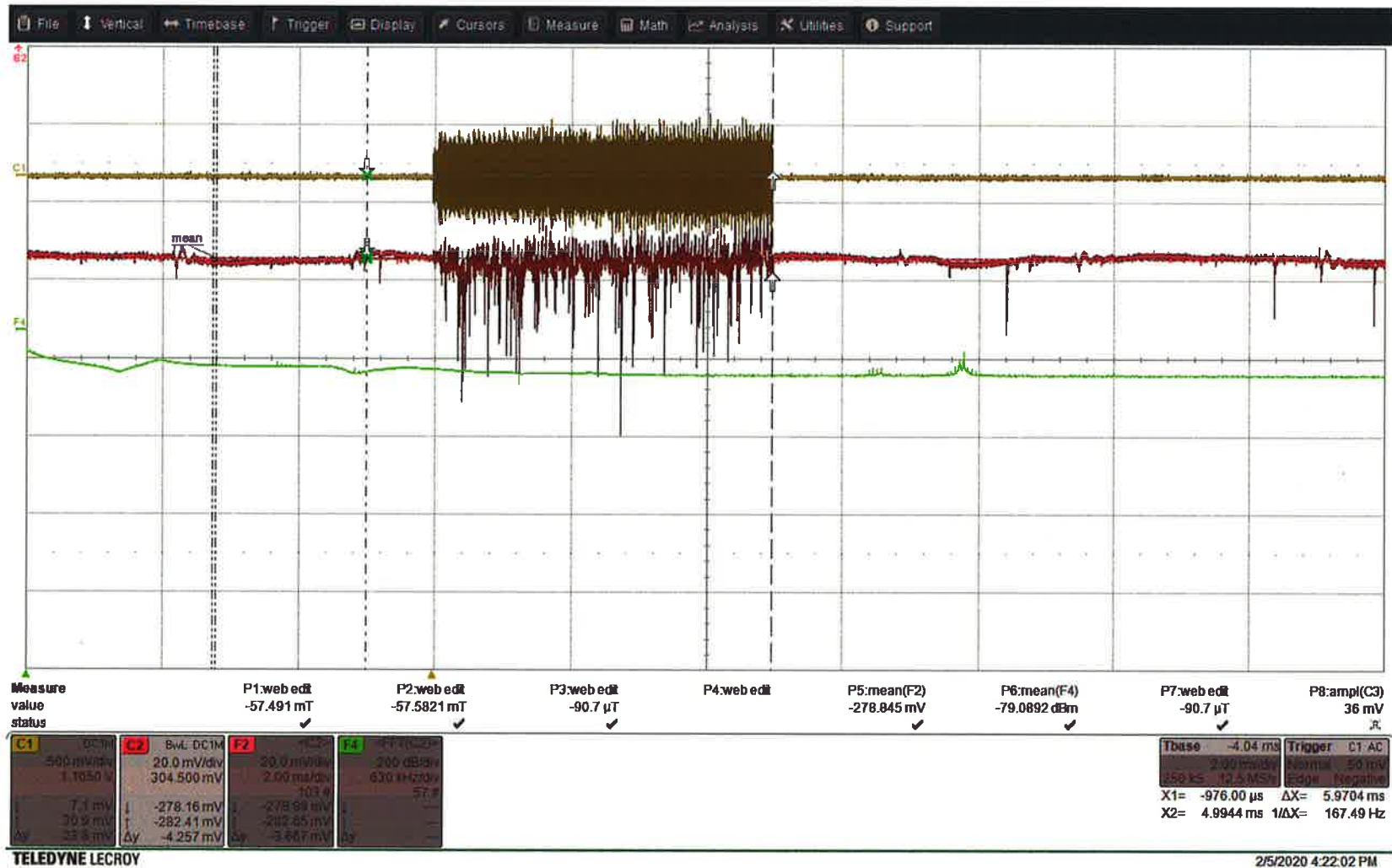
TELEDYNE LECROY

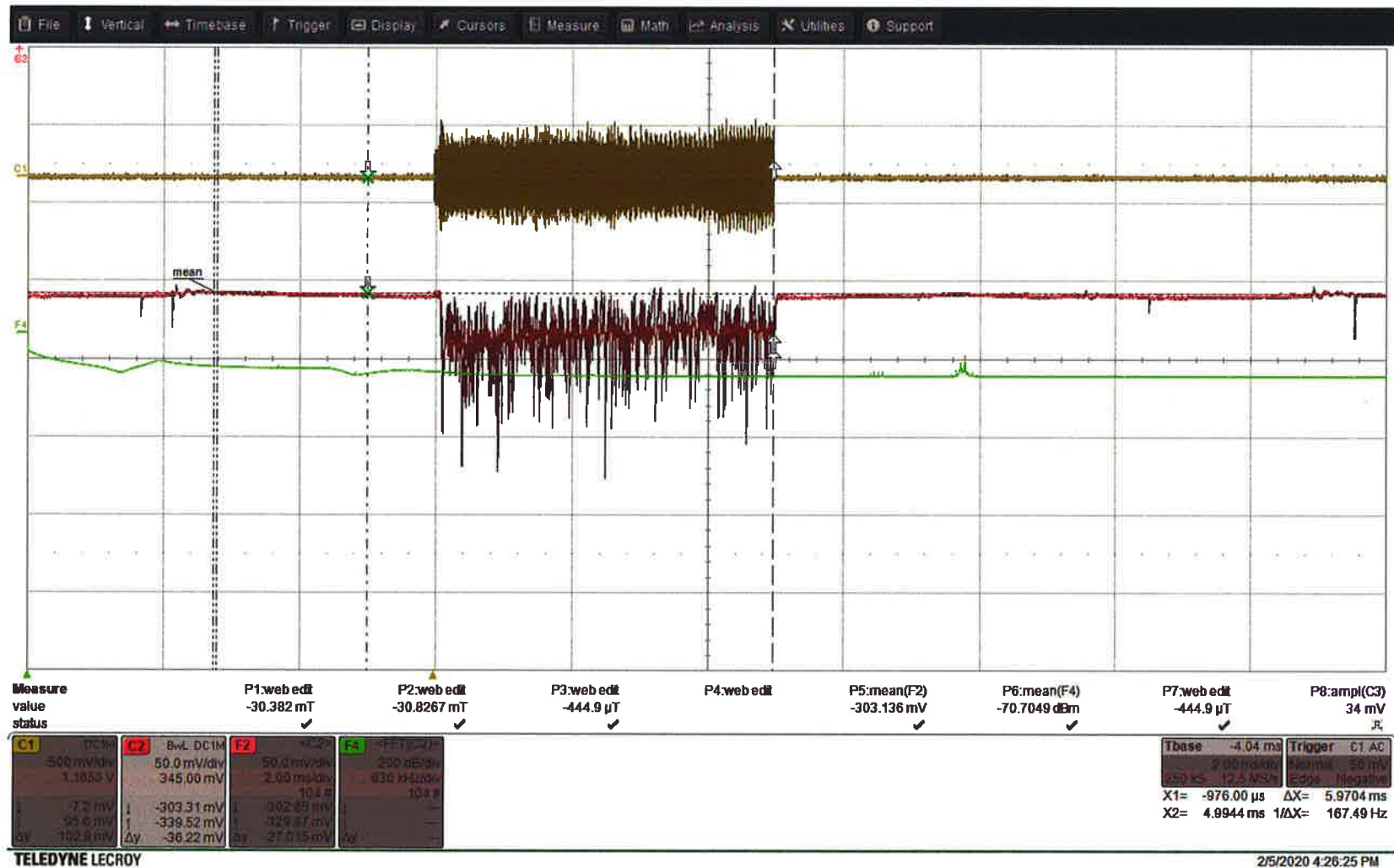
2/5/2020 4:00:14 PM



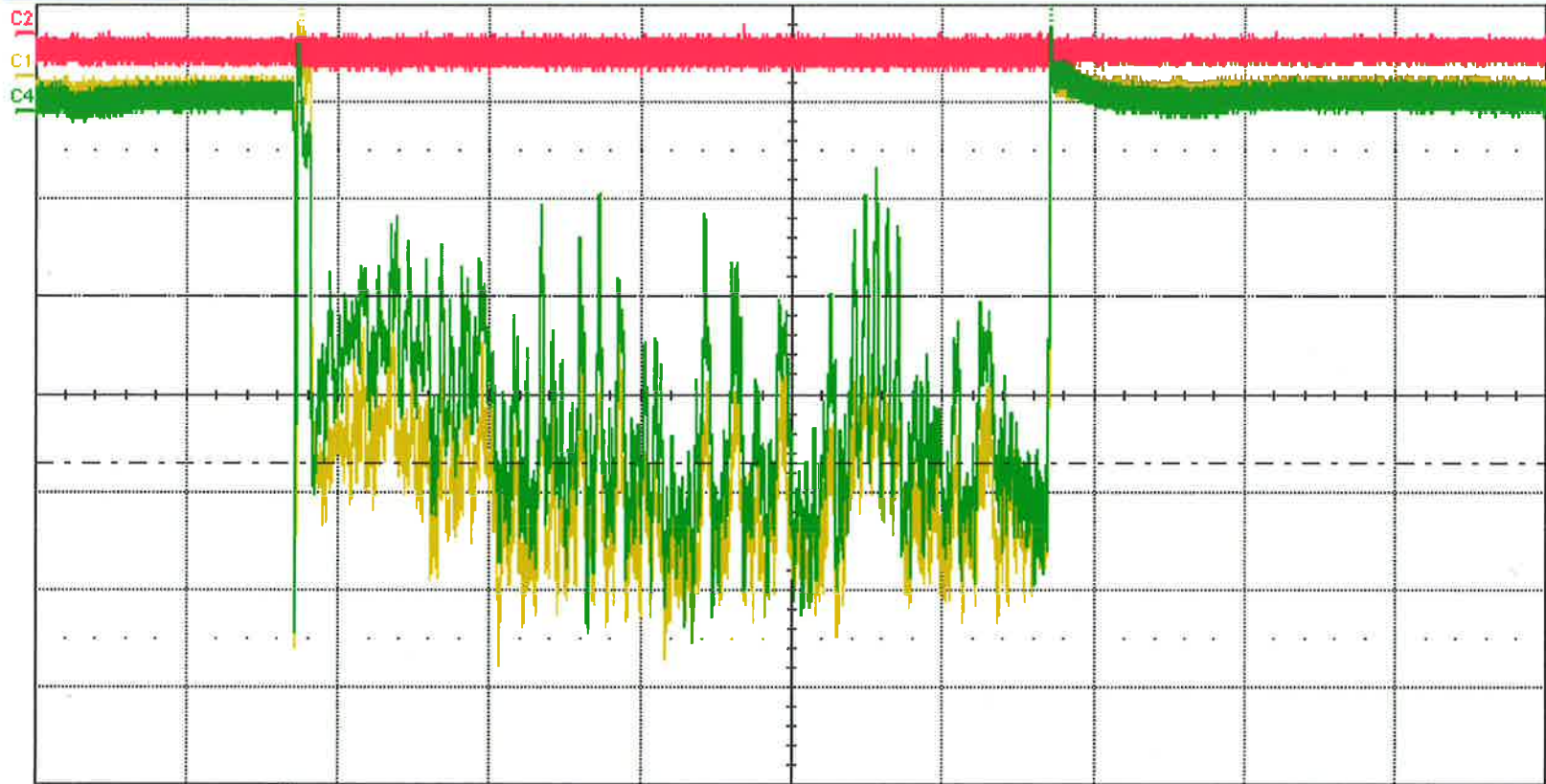








File Vertical Timebase Trigger Display Cursors Measure Math Analysis Utilities Help



Measure
value
status

P1:mean(Z1)
-75.58 mV

P2:mean(Z4)
-52.38 mV

P3:mean(C1)
-92.83 mV

P4:mean(C4)
-73.16 mV

P5:phase(C1,C4)
56.6033346258 °

P6:---

C1	DCIM	C2	DCIM	C4	DCIM
20.0 mV/div	2.00 V/div	20.0 mV/div	2.00 V/div	20.0 mV/div	2.00 V/div
65.00 mV ofst	7.400 V offset	65.00 mV ofst	7.400 V offset	65.00 mV ofst	7.400 V offset
----- -79.0 mV	----- -8.80 V	----- -79.0 mV	----- -8.80 V	----- -79.0 mV	----- -8.80 V
----- -45.0 mV	----- -5.40 V	----- -45.0 mV	----- -5.40 V	----- -45.0 mV	----- -5.40 V
Δy 34.0 mV	Δy 3.40 V	Δy 34.0 mV	Δy 3.40 V	Δy 34.0 mV	Δy 3.40 V

Timebase	-3.32 ms	Trigger	Ext/IO DC
1.00 MS	1.00 ms/div	Normal	200 mV
	100 MS/s	Edge	Negative

LeCroy

2/5/2020 4:27:26 PM

5-Feb-20
16:27:52

1
1 ms
0.50 V

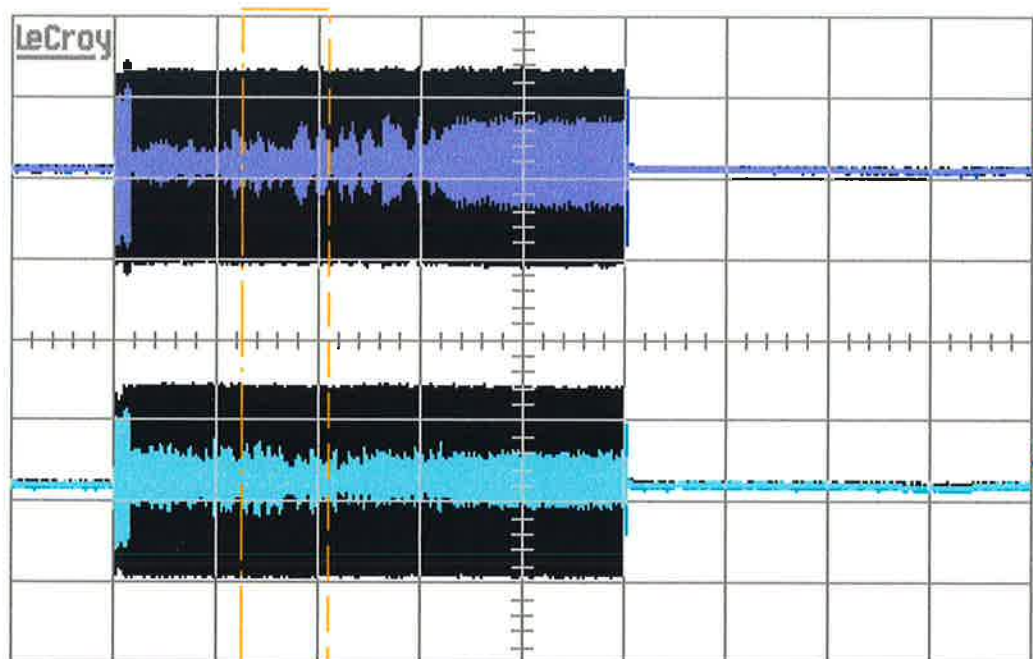
2
1 ms
200 mV

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



4800 sweeps:

	average	low	high	sigma
rms(1)	418.1 mV	411.9	431.2	2.3
rms(2)	33.7 mV	19.6	53.6	4.4
rms(3)	402.4 mV	395.9	411.1	3.3
rms(4)	38.5 mV	26.6	66.0	5.4
phase(1,3)	-3 °	-146	133	88

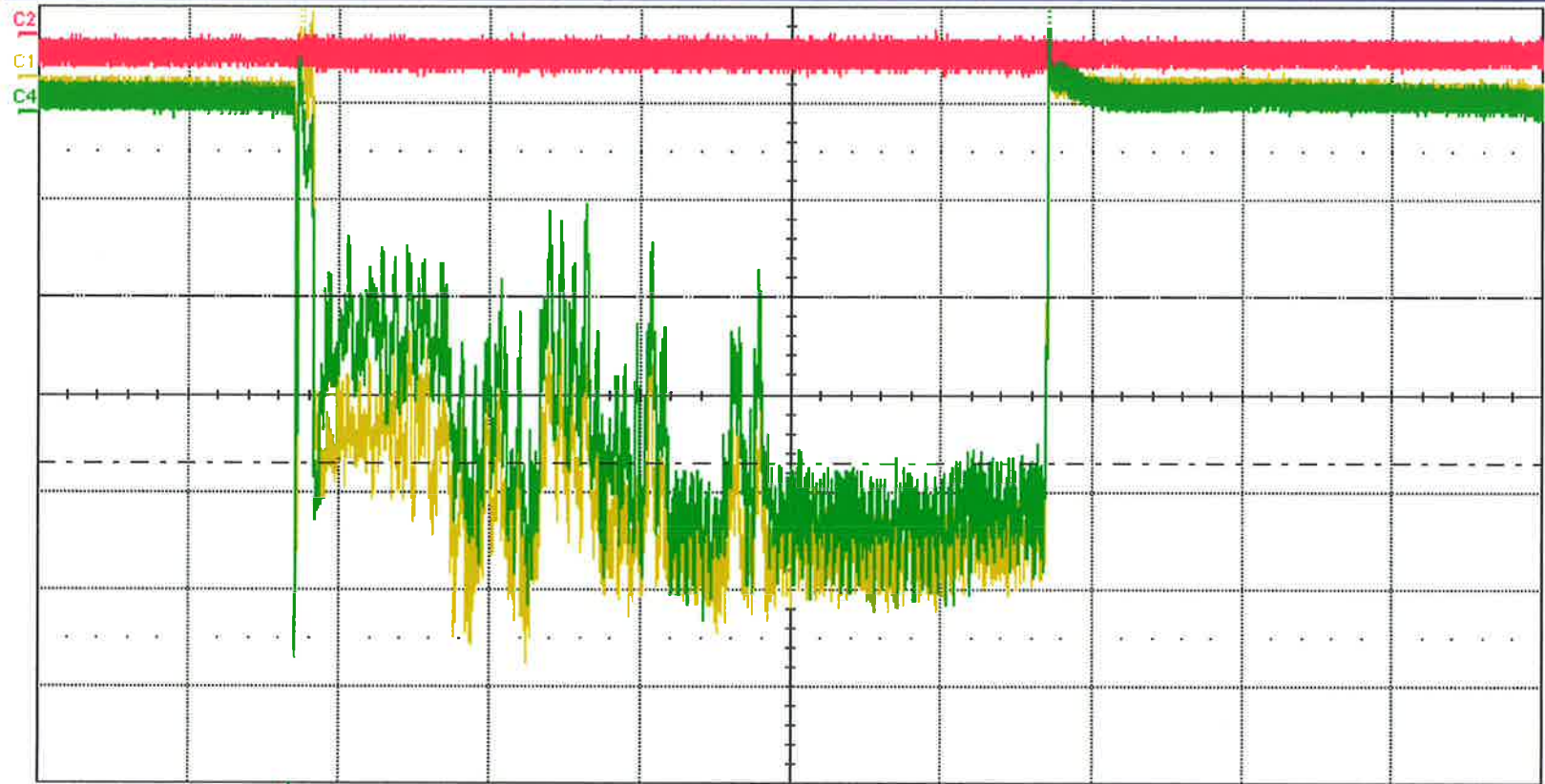


Ext10 DC 0.15 V 50Ω

10 MS/s

☐ NORMAL

File Vertical Timebase Trigger Display Cursors Measure Math Analysis Utilities Help



Measure
value
status

P1:mean(Z1)
-95.95 mV ✓

P2:mean(Z4)
-83.40 mV ✓

P3:mean(C1)
-93.45 mV ✓

P4:mean(C4)
-74.38 mV ✓

P5:phase(C1,C4)
-35.4664536625 ° ✓

P6:---

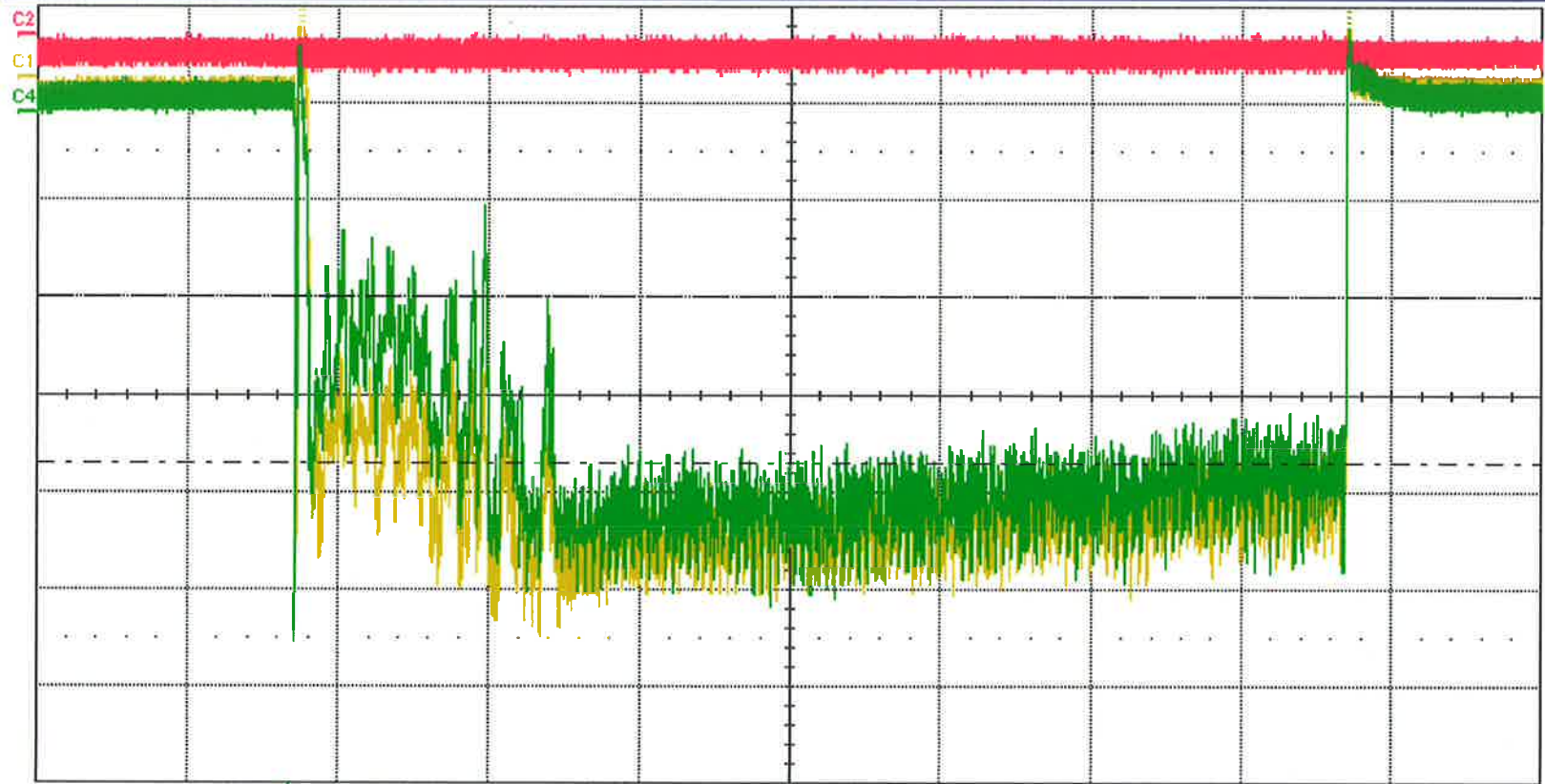
C1	DCIM	C2	DCIM	C4	DCIM
20.0 mV/div	2.00 V/div	20.0 mV/div	2.00 V/div	20.0 mV/div	2.00 V/div
65.00 mV ofst	7.400 V offset	65.00 mV ofst	7.400 V offset	65.00 mV ofst	7.400 V offset
---- -79.0 mV	---- -8.80 V	---- -79.0 mV	---- -8.80 V	---- -79.0 mV	---- -8.80 V
----- -45.0 mV	----- -5.40 V	----- -45.0 mV	----- -5.40 V	----- -45.0 mV	----- -5.40 V
Δy 34.0 mV	Δy 3.40 V	Δy 34.0 mV	Δy 3.40 V	Δy 34.0 mV	Δy 3.40 V

Timebase	-3.32 ms	Trigger	Ext/10 DC
1.00 MS	100 MS/s	Normal	200 mV
		Edge	Negative

LeCroy

2/5/2020 4:27:56 PM

File Vertical Timebase Trigger Display Cursors Measure Math Analysis Utilities Help



Measure
value
status

P1:mean(Z1)
-93.82 mV

P2:mean(Z4)
-83.08 mV

P3:mean(C1)
-94.03 mV

P4:mean(C4)
-82.82 mV

P5:phase(C1,C4)
-34.1201044386 °

P6:---

C1	DCIM	C2	DCIM	C4	DCIM
20.0 mV/div	2.00 V/div	20.0 mV/div		20.0 mV/div	
65.00 mV ofst	7.400 V offset	58.00 mV ofst			
---- -79.0 mV	----- -8.80 V	----- -72.0 mV			
----- -45.0 mV	----- -5.40 V	----- -38.0 mV			
Δy 34.0 mV	Δy 3.40 V	Δy 34.0 mV			

Timebase	-3.32 ms	Trigger	Ext/IO DC
1.00 MS	1.00 ms/div	Normal	200 mV
	100 MS/s	Edge	Negative

LeCroy

2/5/2020 4:28:33 PM

5-Feb-20
16:28:35

1
1 ms
0.50 V

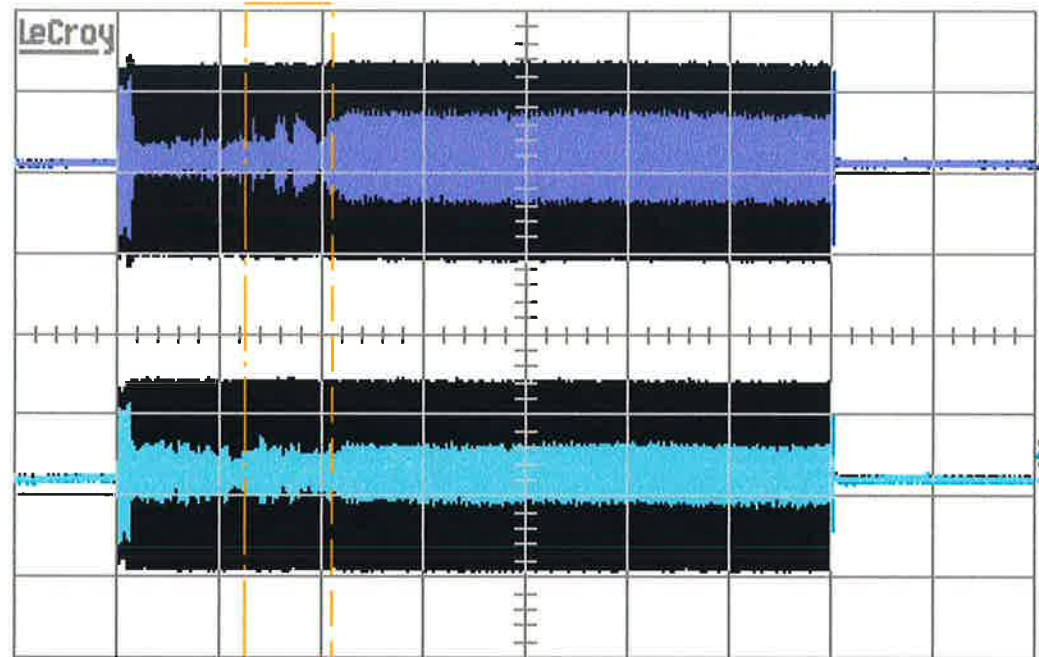
2
1 ms
200 mV

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



11 sweeps: average low high sigma
rms(1) 418.0mV 414.3 421.5 2.1
rms(2) 38.0mV 33.4 41.4 2.8
rms(3) 402.8mV 401.3 404.7 1.2
rms(4) 33.4mV 28.4 37.0 2.3
phase(1,3) -4 ° -145 109 88

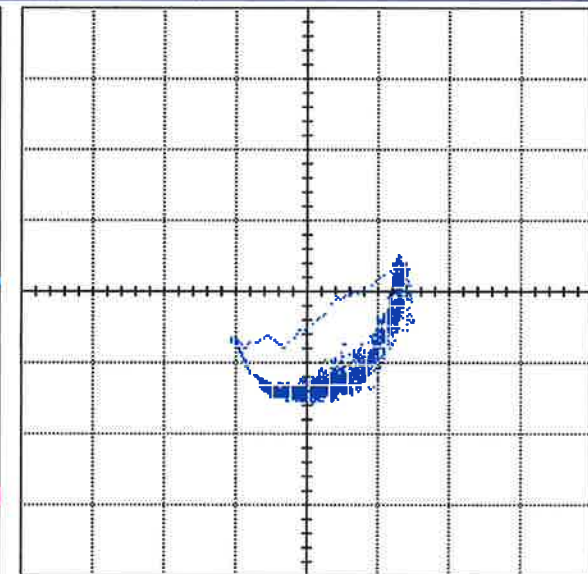
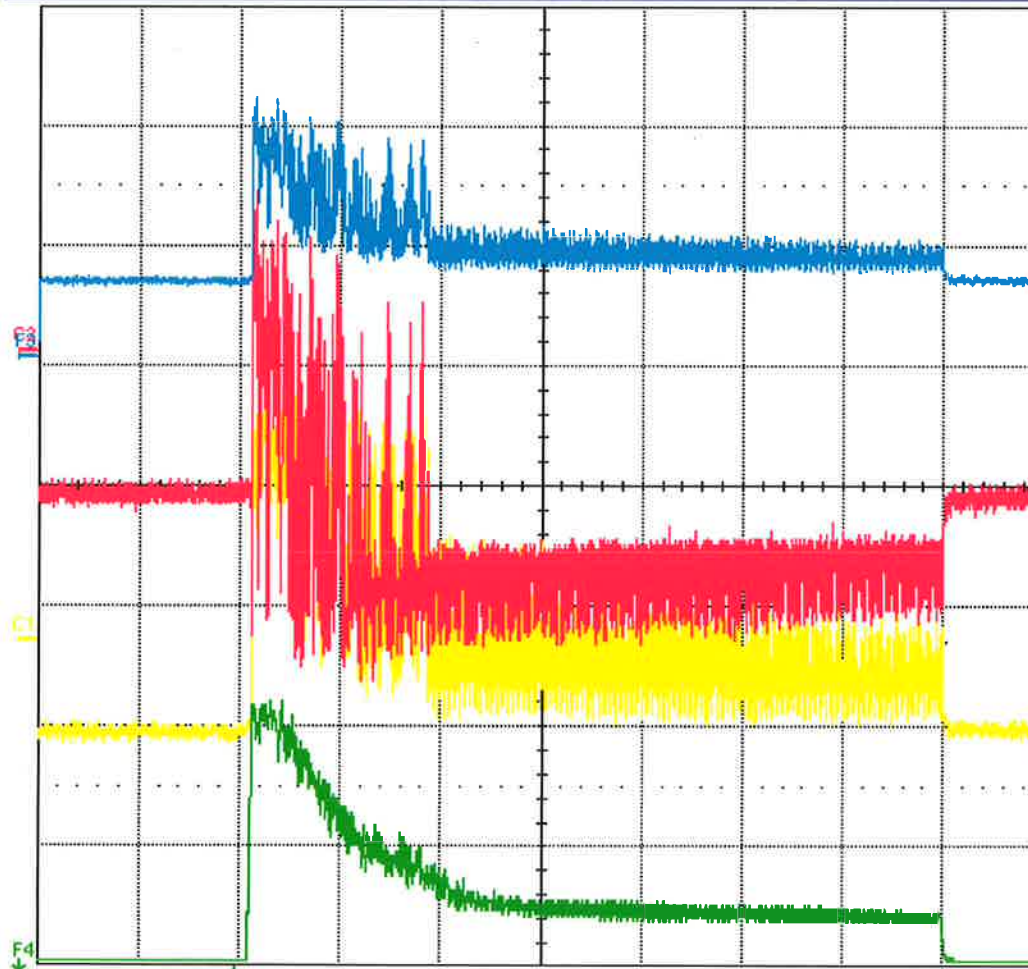


Ext10 DC 0.15 V 50Ω

10 MS/s

☐ NORMAL

File Vertical Timebase Trigger Display Cursors Measure Math Analysis Utilities Help

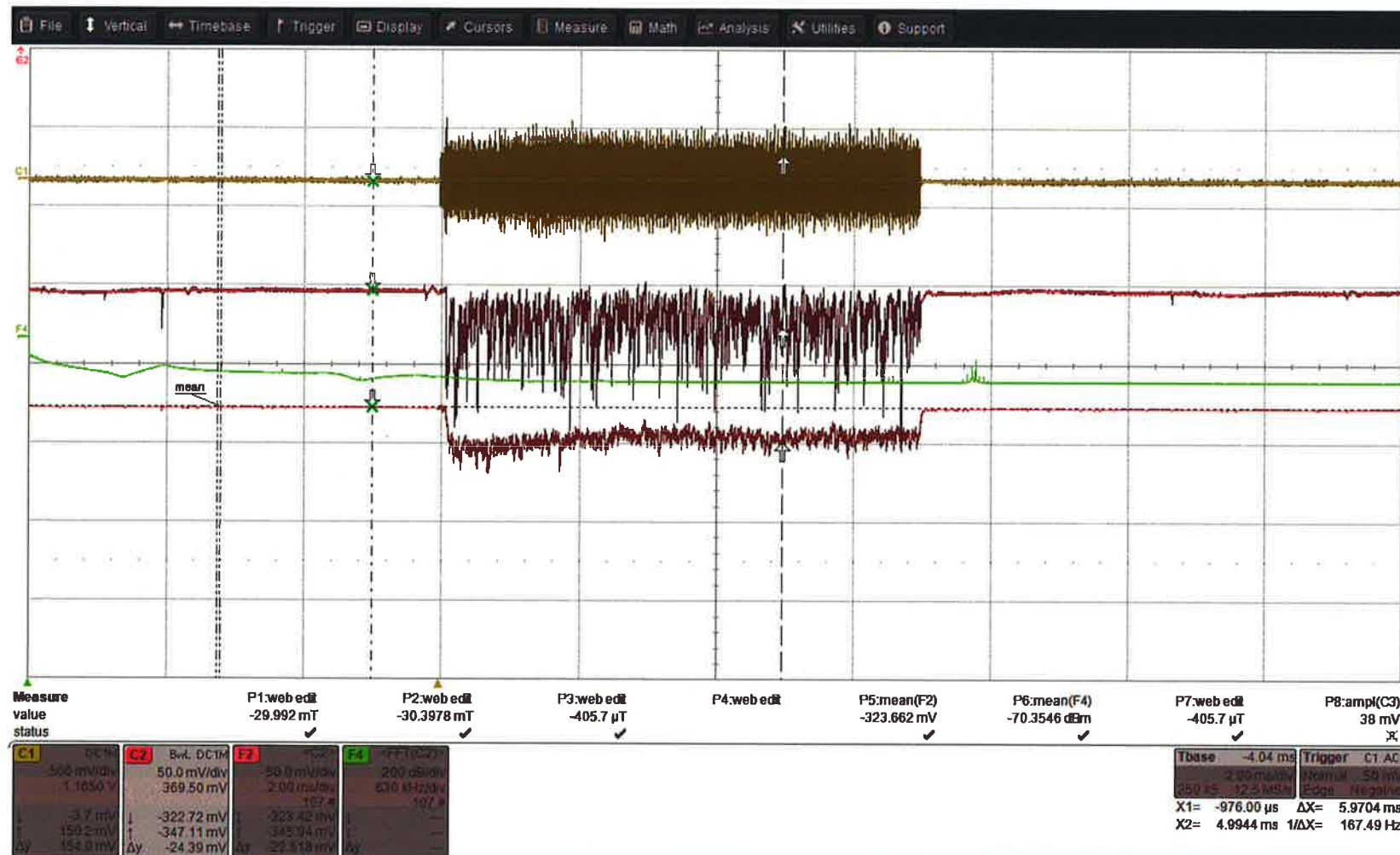


C1	FLT DC1M	C2	DC1M	F3	script(C1,C2)	F4	<F3>	XY	XF1 YF2
200 mV/div		200 mV/div		2.00/div		1.00/div		200 mV/div	
-256.0 mV		224.0 mV		1.00 ms/div		1.00 ms/div		200 mV/div	
						26 #		26 #	

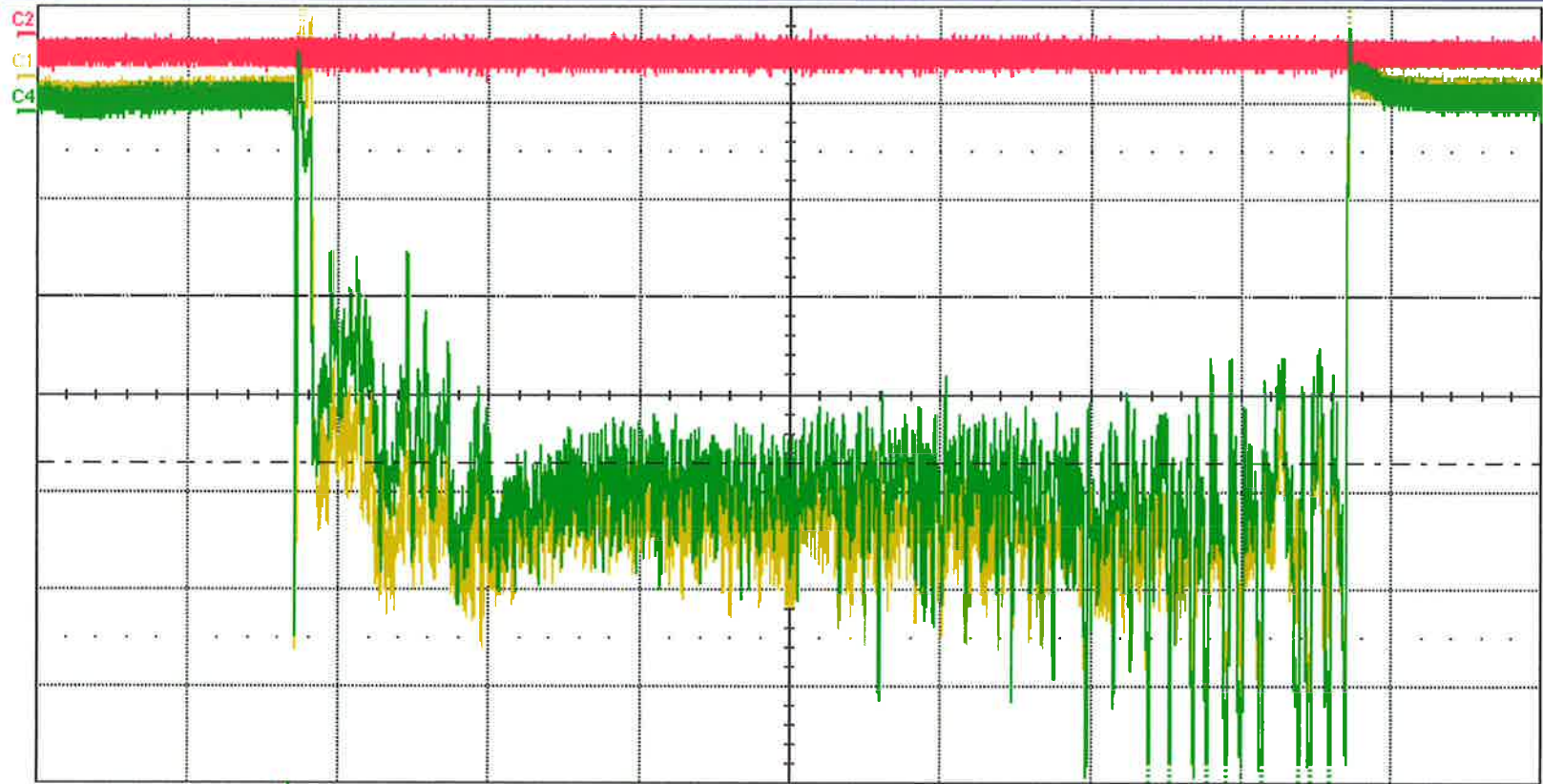
Tbase	-3.04 ms	Trigger	C4 DC
1.00 ms/div		Normal	200 mV
10.0 kS	1.0 MS/s	Edge	Negative

LeCroy

2/5/2020 4:28:45 PM



File Vertical Timebase Trigger Display Cursors Measure Math Analysis Utilities Help



Measure

value

status

P1:mean(Z1)

-92.60 mV

P2:mean(Z4)

-76.09 mV

P3:mean(C1)

-90.30 mV

P4:mean(C4)

-76.91 mV

P5:phase(C1,C4)

-34.4774554352 °

P6:---

C1	DCIM	C2	DCIM	C4	DCIM
20.0 mV/div	2.00 V/div	20.0 mV/div	2.00 V/div	20.0 mV/div	2.00 V/div
65.00 mV ofst	7.400 V offset	65.00 mV ofst	7.400 V offset	65.00 mV ofst	7.400 V offset
----	----	----	----	----	----
-79.0 mV	-8.80 V	-79.0 mV	-8.80 V	-79.0 mV	-8.80 V
-----	-----	-----	-----	-----	-----
-45.0 mV	-5.40 V	-45.0 mV	-5.40 V	-45.0 mV	-5.40 V
Δy	Δy	Δy	Δy	Δy	Δy
34.0 mV	3.40 V	34.0 mV	3.40 V	34.0 mV	3.40 V

Timebase	-3.32 ms	Trigger	Ext/10 DC
1.00 MS	100 MS/s	Normal	200 mV
		Edge	Negative

LeCroy

2/5/2020 4:33:15 PM

5-Feb-20
16:33:17

1
1 ms
0.50 V

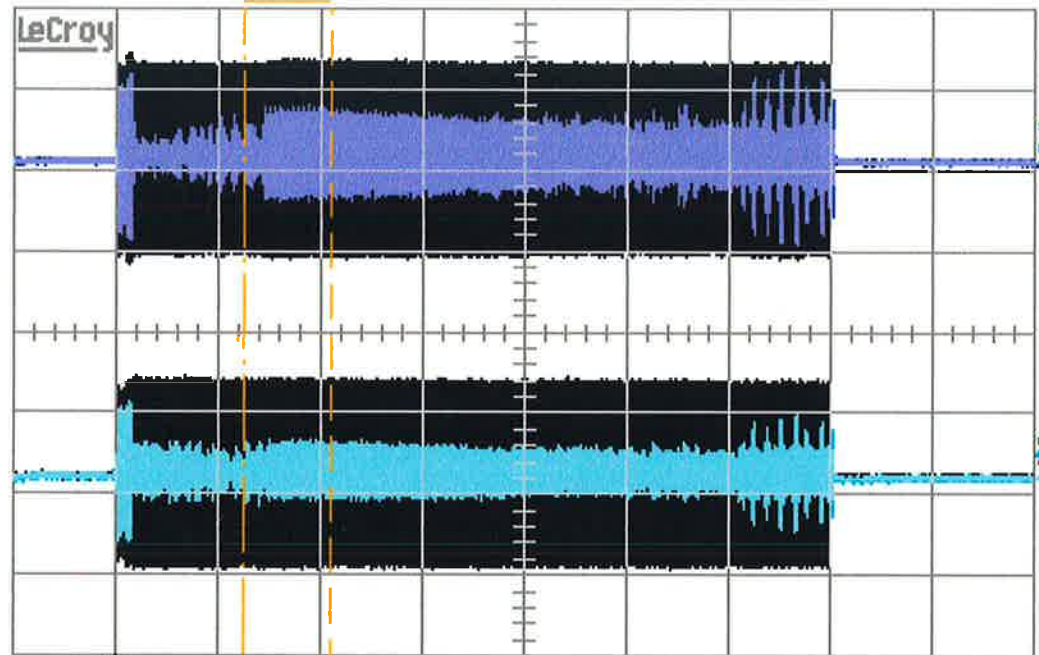
2
1 ms
200 mV

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



12 sweeps: average low high sigma
rms(1) 423.9mV 420.6 426.5 1.8
rms(2) 56.4mV 52.8 60.0 1.9
rms(3) 399.7mV 398.2 401.3 1.0
rms(4) 40.5mV 36.9 53.1 4.2
phase(1,3) -8 ° -145 108 89

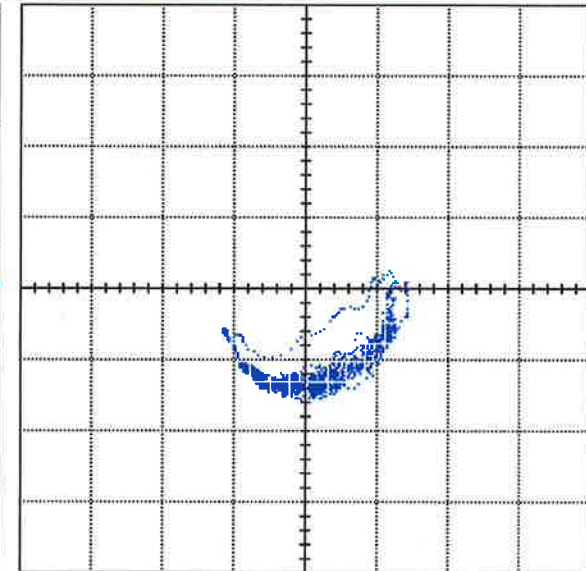
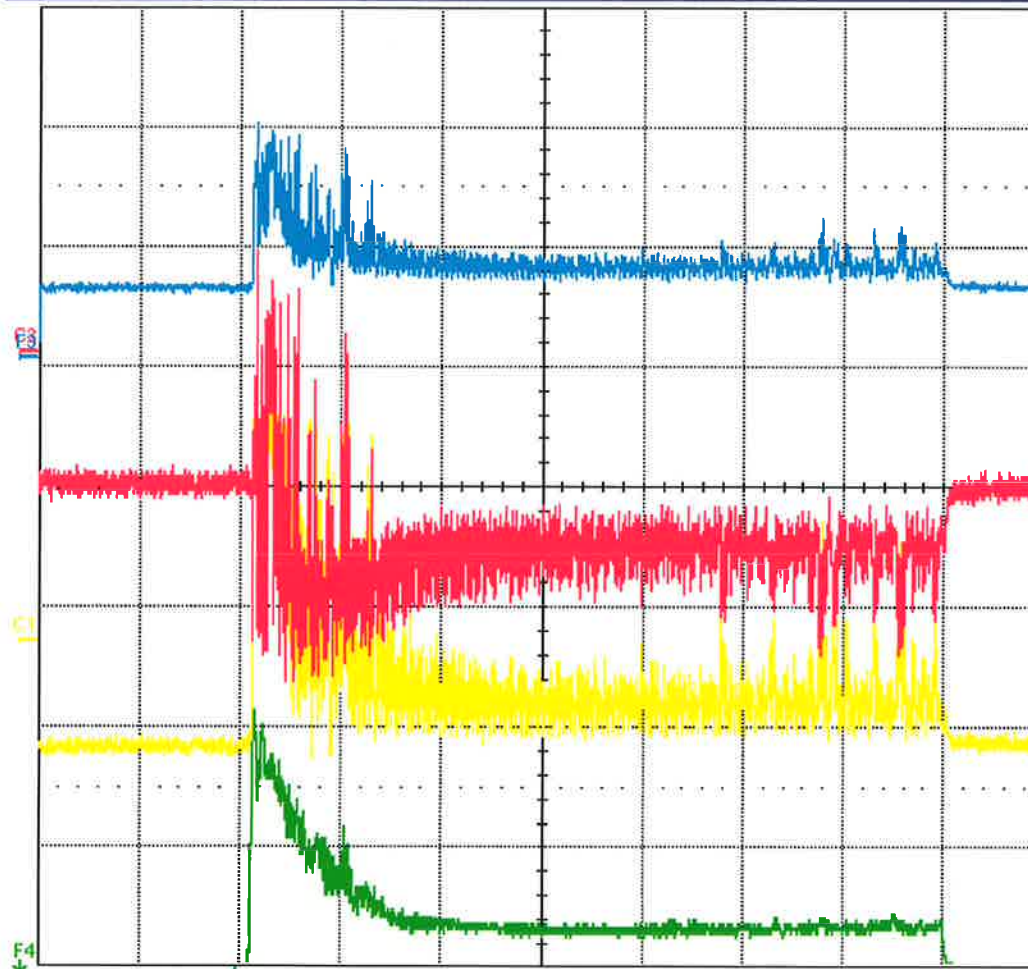


Ext10 DC 0.15 V 50Ω

10 MS/s

☐ NORMAL

File Vertical Timebase Trigger Display Cursors Measure Math Analysis Utilities Help



C1	FLT DC1M	C2	DC1M	F3	script(C1,C2)	F4	<F3>	XY	X F1 Y F2
200 mV/div		200 mV/div		2.00/div		1.00/div		200 mV/div	
-256.0 mV		224.0 mV		1.00 ms/div		1.00 ms/div		200 mV/div	
						21 #		21 #	

Tbase	-3.04 ms	Trigger	C4 DC
	1.00 ms/div	Normal	200 mV
10.0 kS	1.0 MS/s	Edge	Negative

LeCroy

2/5/2020 4:33:22 PM