

1-Aug-23
15:24:10

1
.5 ms
0.50 V

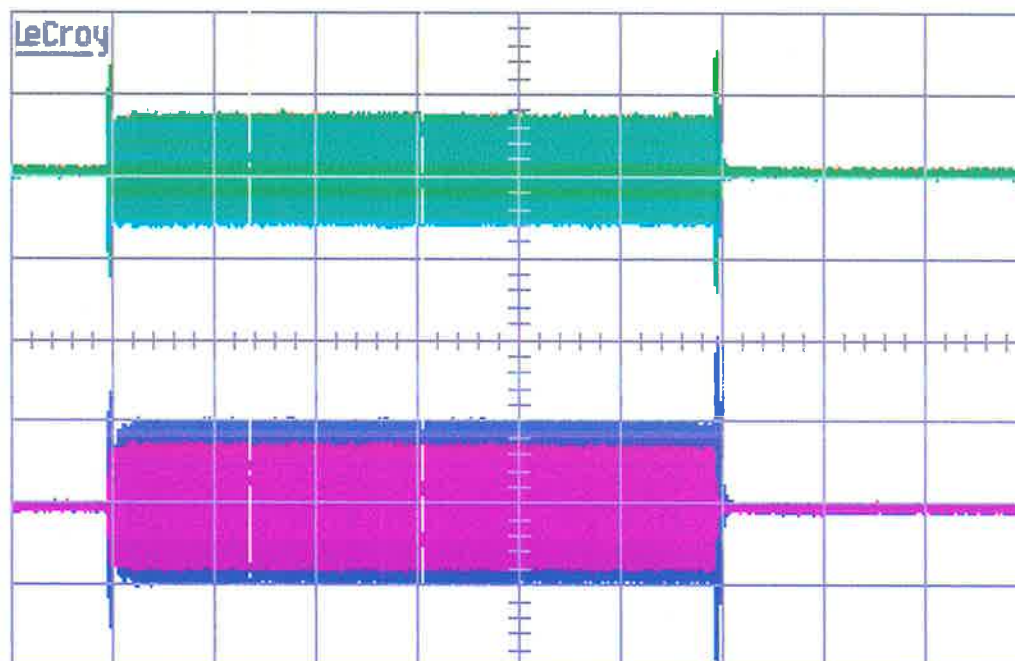
2
.5 ms
100mV

3
.5 ms
0.50 V

4
.5 ms
100mV

.5 ms

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



14 sweeps:

	average	low	high	sigma
rms(1)	227.2mV	226.1	228.3	0.5
rms(2)	45.6mV	45.4	45.8	0.1
rms(3)	257.5mV	256.3	258.8	0.6
rms(4)	66.0mV	65.8	66.4	0.1
phase(1,3)	90.4 °	83.7	97.4	2.2



Ext DC 440mV 1MΩ

CHANNEL 4

Trace
OFF **On**

Coupling

ZOOM

FIND

Gain
Fixed
variable

Offsets in
Volts
Divisions

Grids
Single Dual
Quad Octal

20 MS/s

☐ NORMAL

1-Aug-23
15:25:06

1
.5 ms
0.50 V

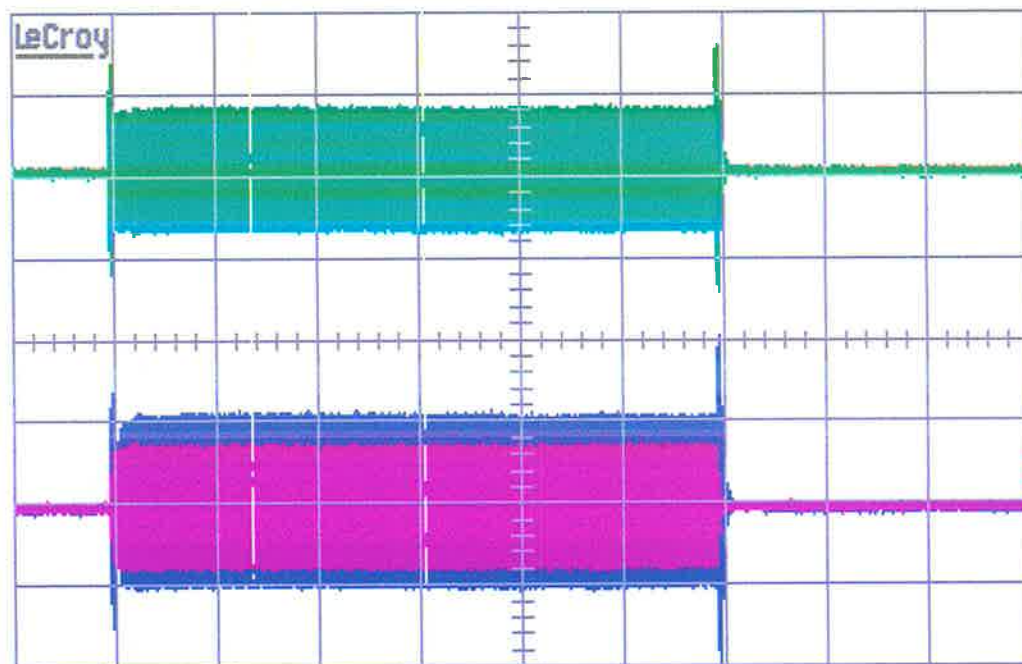
2
.5 ms
100mV

3
.5 ms
0.50 V

4
.5 ms
100mV

.5 ms

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



12 sweeps:

	average	low	high	sigma
rms(1)	231.6mV	230.4	232.3	0.6
rms(2)	51.2mV	50.9	51.4	0.1
rms(3)	258.3mV	256.6	259.0	0.6
rms(4)	71.9mV	71.5	72.1	0.2
phase(1,3)	90.8 °	84.4	98.4	2.2



Ext DC 440mV 1MΩ

CHANNEL 4

Trace
OFF ☒ On

Coupling

ZOOM

FIND

Gain
☒ Fixed
variable

Offsets in
☒ Volts
Divisions

Grids
☒ Single Dual
Quad Octal

20 MS/s

☐ NORMAL

1-Aug-23
15:25:34

1
.5 ms
0.50 V

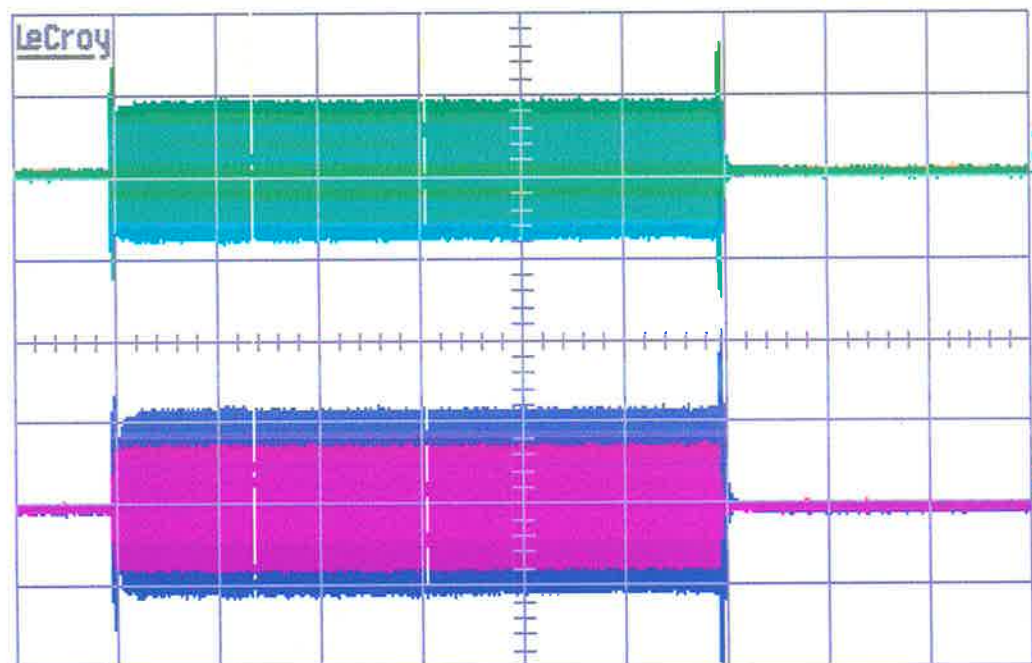
2
.5 ms
100mV

3
.5 ms
0.50 V

4
.5 ms
100mV

.5 ms

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



12 sweeps: average low high sigma

rms(1)	234.6mV	233.5	235.5	0.7
rms(2)	56.7mV	56.5	57.0	0.2
rms(3)	257.0mV	256.1	258.0	0.7
rms(4)	77.5mV	77.2	77.8	0.2
phase(1,3)	91.2 °	84.5	99.6	2.2



Ext DC 440mV 1MΩ

CHANNEL 4

Trace
OFF ☒ On

Coupling

ZOOM

FIND

Gain
Fixed ☒ variable

Offsets in
Volts ☒ Divisions

Grids
Single ☒ Dual
Quad Octal

20 MS/s

☐ NORMAL

1-Aug-23
15:26:04

1 .5 ms
0.50 V

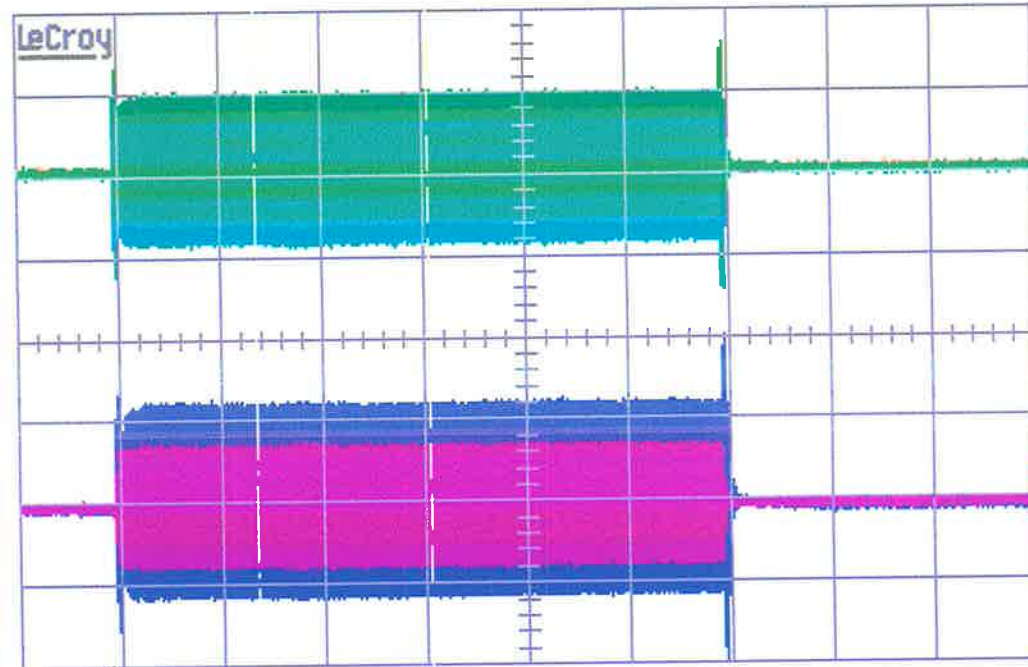
2 .5 ms
100mV

3 .5 ms
0.50 V

4 .5 ms
100mV

.5 ms

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



15 sweeps: average low high sigma

rms(1)	236.6mV	234.9	237.9	1.0
rms(2)	62.1mV	61.6	62.5	0.3
rms(3)	254.6mV	253.0	255.9	0.9
rms(4)	82.7mV	82.2	83.1	0.3
phase(1,3)	91.7 °	84.2	99.4	2.2



Ext DC 440mV 1MΩ

CHANNEL 4

Trace
OFF ☒ On

Coupling

ZOOM

FIND

Gain
Fixed ☒ variable

Offsets in
Volts ☒ Divisions

Grids
Single ☒ Dual
Quad Octal

20 MS/s

☐ NORMAL

1-Aug-23
15:26:37

1
.5 ms
0.50 V

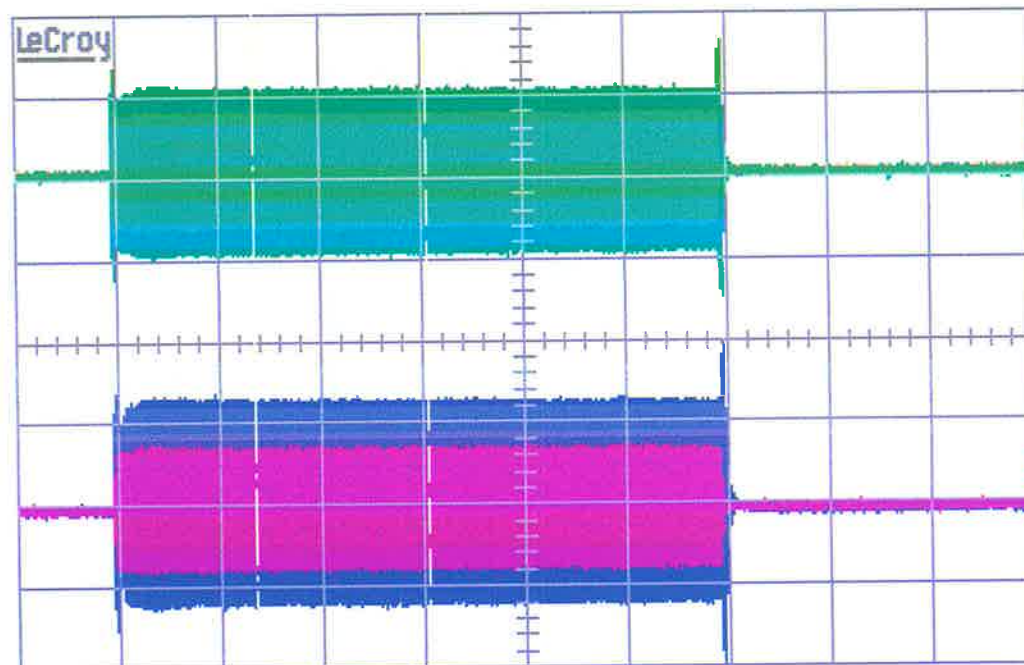
2
.5 ms
100mV

3
.5 ms
0.50 V

4
.5 ms
100mV

.5 ms

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



17 sweeps:

	average	low	high	sigma
rms(1)	239.5mV	238.5	240.7	0.6
rms(2)	67.7mV	67.5	68.1	0.2
rms(3)	252.8mV	251.9	254.0	0.6
rms(4)	88.0mV	87.7	88.4	0.2
phase(1,3)	92.0 °	83.2	98.8	2.2



Ext DC 440mV 1MΩ

CHANNEL 4

Trace
OFF ☒ On

Coupling

ZOOM

FIND

Gain
Fixed ☒ variable

Offsets in
Volts ☒ Divisions

Grids
Single ☒ Dual
Quad Octal

20 MS/s

☐ NORMAL

1-Aug-23
15:27:11

1
.5 ms
0.50 V

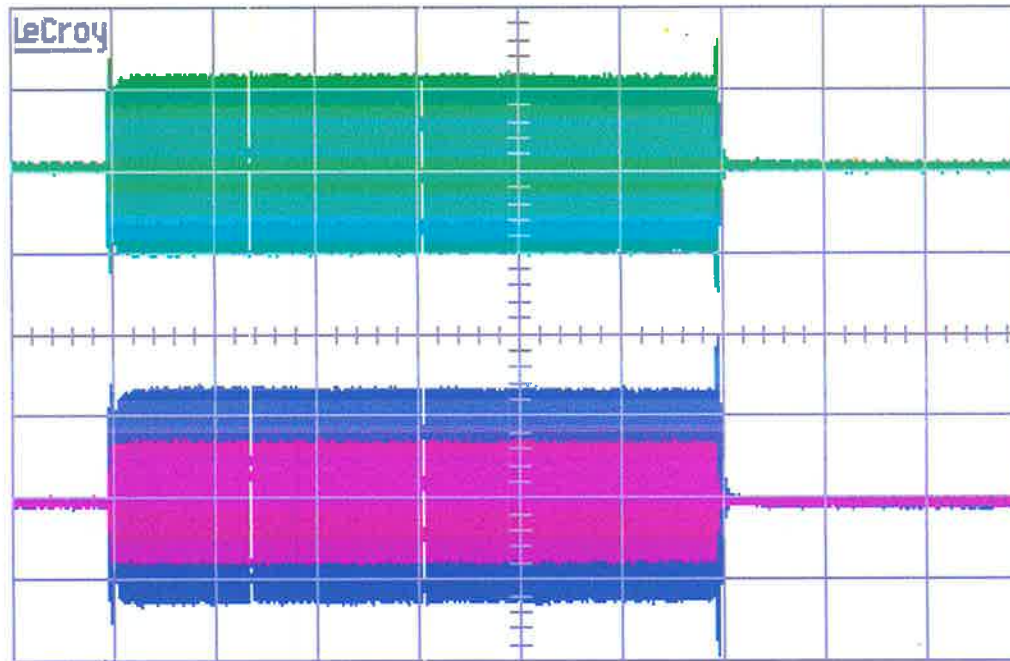
2
.5 ms
100mV

3
.5 ms
0.50 V

4
.5 ms
100mV

.5 ms

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



21 sweeps:

	average	low	high	sigma
rms(1)	242.5mV	241.7	243.9	0.6
rms(2)	73.3mV	73.0	73.7	0.2
rms(3)	250.8mV	250.0	251.9	0.5
rms(4)	93.1mV	92.8	93.6	0.2
phase(1,3)	91.9 °	84.1	99.3	2.3



Ext DC 440mV 1MΩ

CHANNEL 4

Trace
OFF ☒ On

Coupling

ZOOM

FIND

Gain
☒ Fixed
variable

Offsets in
☒ Volts
Divisions

Grids
☒ Single Dual
Quad Octal

20 MS/s

☐ NORMAL

1-Aug-23
15:27:44

1
.5 ms
0.50 V

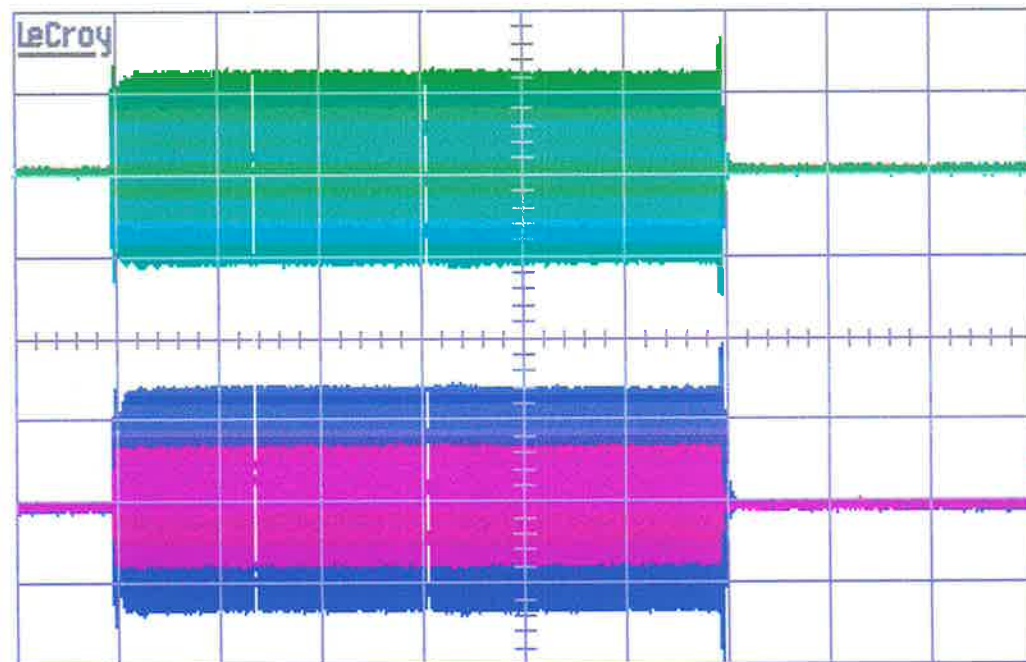
2
.5 ms
100mV

3
.5 ms
0.50 V

4
.5 ms
100mV

.5 ms

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



16 sweeps:

	average	low	high	sigma
rms(1)	246.9mV	246.0	247.8	0.5
rms(2)	79.4mV	79.1	79.6	0.2
rms(3)	249.8mV	249.1	250.6	0.4
rms(4)	98.4mV	98.1	98.8	0.2
phase(1,3)	92.1 °	85.5	99.3	2.2



Ext DC 440mV 1MΩ

CHANNEL 4

Trace
OFF ☒ On

Coupling

ZOOM

FIND

Gain
Fixed ☒ variable

Offsets in
Volts ☒ Divisions

Grids
Single ☒ Dual
Quad Octal

20 MS/s

☐ NORMAL

1-Aug-23
15:28:20

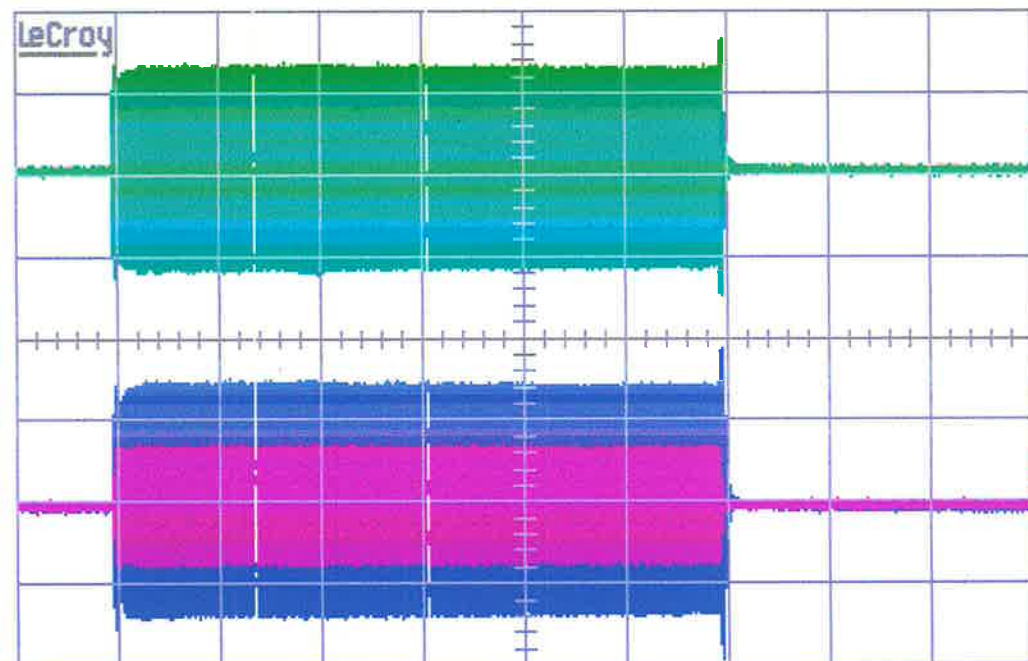
1
.5 ms
0.50 V

2
.5 ms
100mV

3
.5 ms
0.50 V

4
.5 ms
100mV

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



22 sweeps:

	average	low	high	sigma
rms(1)	247.9mV	246.2	249.9	1.2
rms(2)	84.2mV	83.6	84.9	0.4
rms(3)	246.0mV	244.6	247.4	0.9
rms(4)	102.3mV	101.7	102.9	0.4
phase(1,3)	92.1 °	84.6	100.4	2.2



Ext DC 440mV 1MΩ

CHANNEL 4

Trace
OFF ☒ On

Coupling

ZOOM

FIND

Gain
Fixed ☒ variable

Offsets in
Volts ☒ Divisions

Grids
Single ☒ Dual
Quad Octal

20 MS/s

☐ NORMAL

1-Aug-23
15:30:29

1
.5 ms
0.50 V

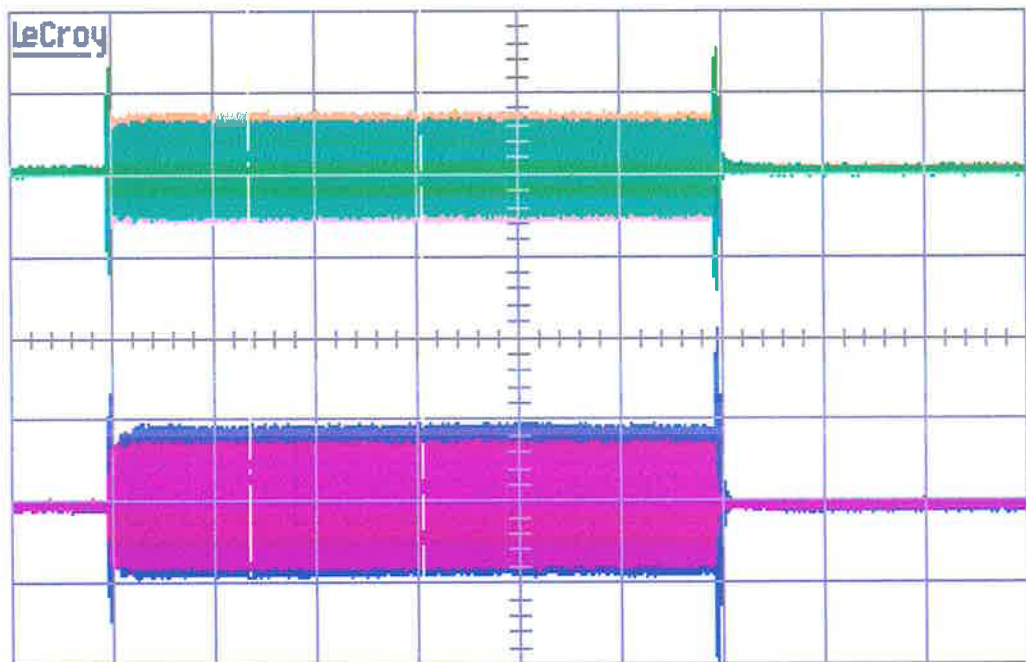
2
.5 ms
100mV

3
.5 ms
0.50 V

4
.5 ms
100mV

.5 ms

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



22 sweeps:

	average	low	high	sigma
rms(1)	225.6mV	225.0	226.2	0.4
rms(2)	39.8mV	39.7	39.9	0.1
rms(3)	260.4mV	259.7	261.0	0.4
rms(4)	61.0mV	60.7	61.1	0.1
phase(1,3)	89.6 °	83.6	96.0	2.1



Ext DC 440mV 1MΩ

CHANNEL 4

Trace
OFF ☒ On

Coupling

ZOOM

FIND

Gain
Fixed ☒ variable

Offsets in
Volts ☒ Divisions

Grids
Single ☒ Dual
Quad Octal

20 MS/s

☐ NORMAL

1-Aug-23
15:31:00

1
.5 ms
0.50 V

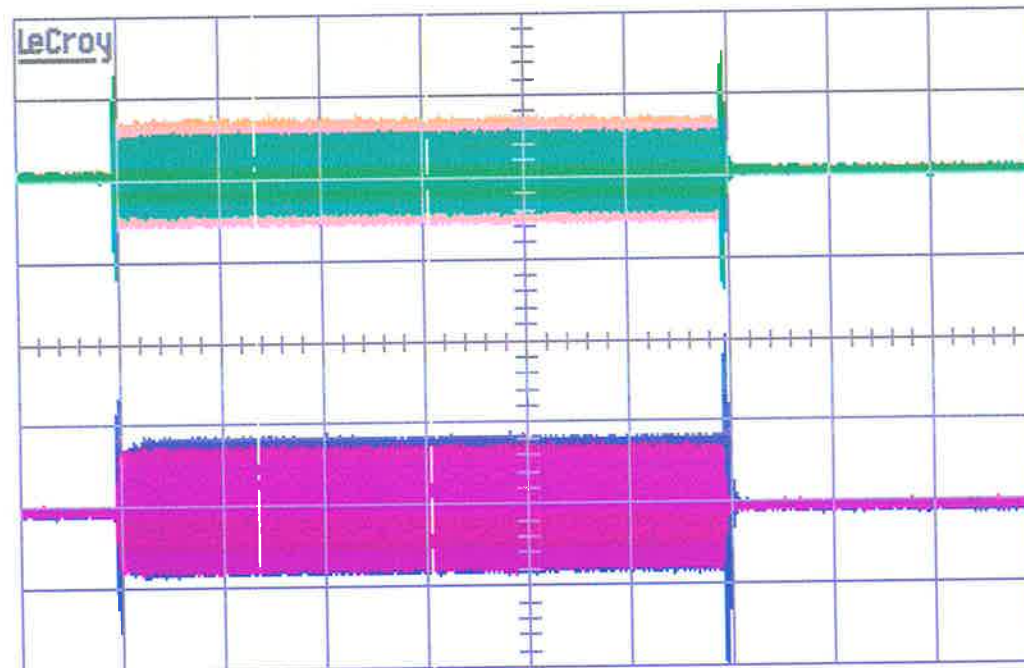
2
.5 ms
100mV

3
.5 ms
0.50 V

4
.5 ms
100mV

.5 ms

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



22 sweeps:

	average	low	high	sigma
rms(1)	220.8mV	219.7	222.6	0.9
rms(2)	34.4mV	34.2	34.6	0.1
rms(3)	258.3mV	256.9	260.2	1.0
rms(4)	55.5mV	55.1	55.8	0.2
phase(1,3)	89.0 °	81.1	96.4	2.3



Ext DC 440mV 1MΩ

CHANNEL 4

Trace
OFF ☒ On

Coupling

ZOOM

FIND

Gain
Fixed ☒ variable

Offsets in
Volts ☒ Divisions

Grids
Single ☒ Dual
Quad Octal

20 MS/s

☐ NORMAL

1-Aug-23
15:31:31

1
.5 ms
0.50 V

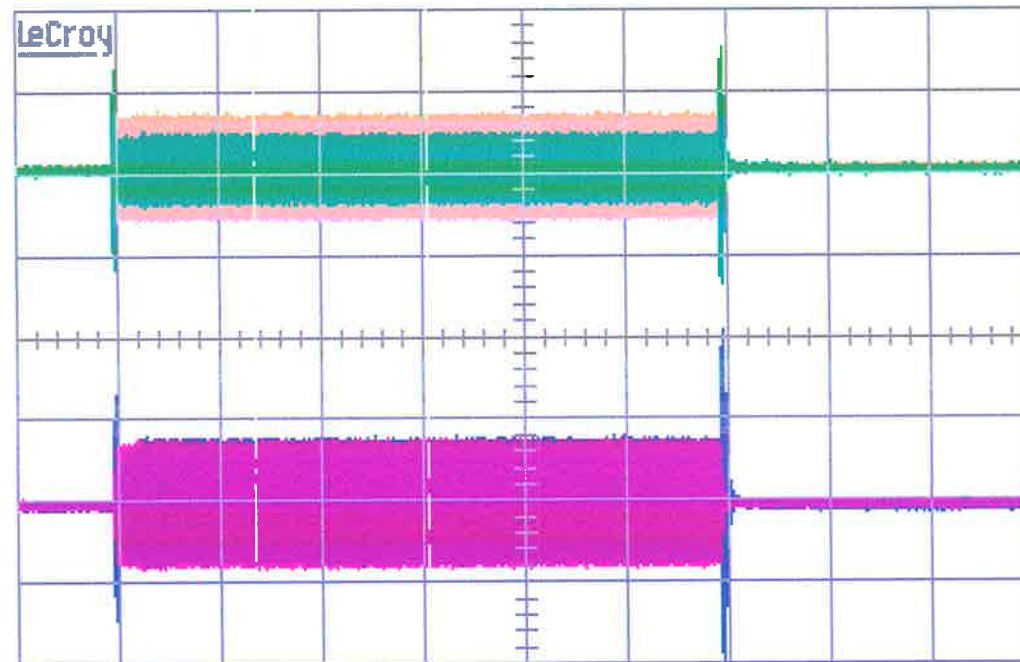
2
.5 ms
100mV

3
.5 ms
0.50 V

4
.5 ms
100mV

.5 ms

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



23 sweeps:

	average	low	high	sigma
rms(1)	219.8mV	219.1	220.7	0.4
rms(2)	29.8mV	29.7	30.0	0.1
rms(3)	259.7mV	258.9	260.5	0.4
rms(4)	51.6mV	51.5	51.8	0.1
phase(1,3)	88.3 °	80.4	96.7	2.2



Ext DC 440mV 1MΩ

CHANNEL 4

Trace
OFF ☒ On

Coupling

ZOOM

FIND

Gain
Fixed ☒
variable

Offsets in
Volts ☒
Divisions

Grids
Single ☒ Dual
Quad Octal

20 MS/s

☐ NORMAL

1-Aug-23
15:32:01

1
.5 ms
0.50 V

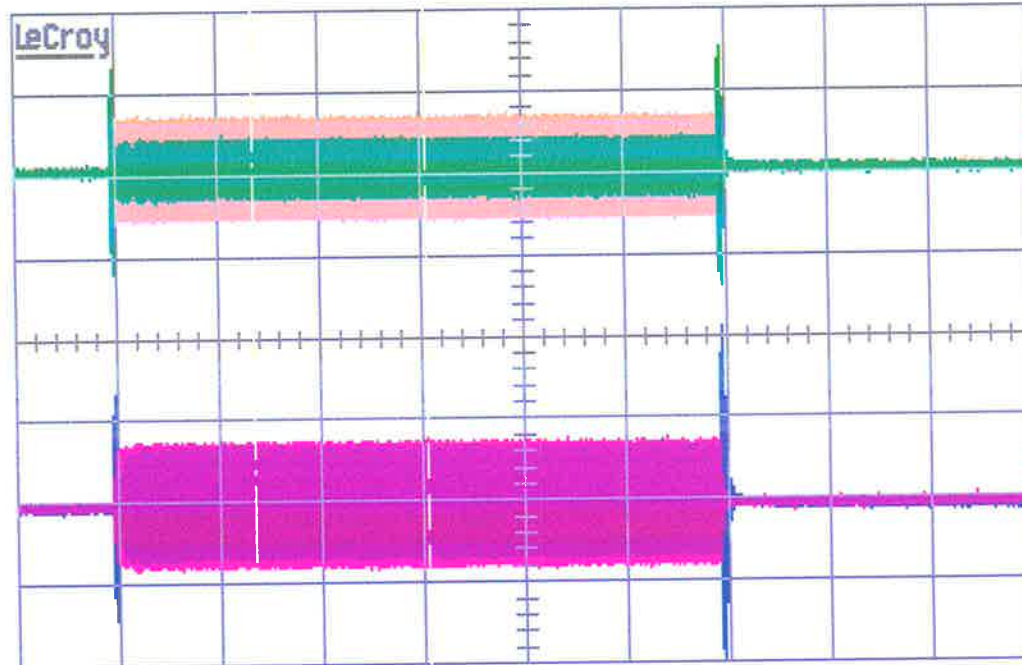
2
.5 ms
100mV

3
.5 ms
0.50 V

4
.5 ms
100mV

.5 ms

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



16 sweeps: average low high sigma

rms(1)	215.3mV	214.6	216.0	0.4
rms(2)	25.5mV	25.4	25.6	0.1
rms(3)	256.7mV	256.0	257.6	0.5
rms(4)	48.2mV	48.1	48.4	0.1
phase(1,3)	87.5 °	80.4	98.3	2.3



Ext DC 440mV 1MΩ

CHANNEL 4

Trace
OFF ☒ On

Coupling

ZOOM

FIND

Gain
Fixed ☒ variable

Offsets in
Volts ☒ Divisions

Grids
Single ☒ Dual
Quad Octal

20 MS/s

☐ NORMAL

1-Aug-23
15:32:32

1
.5 ms
0.50 V

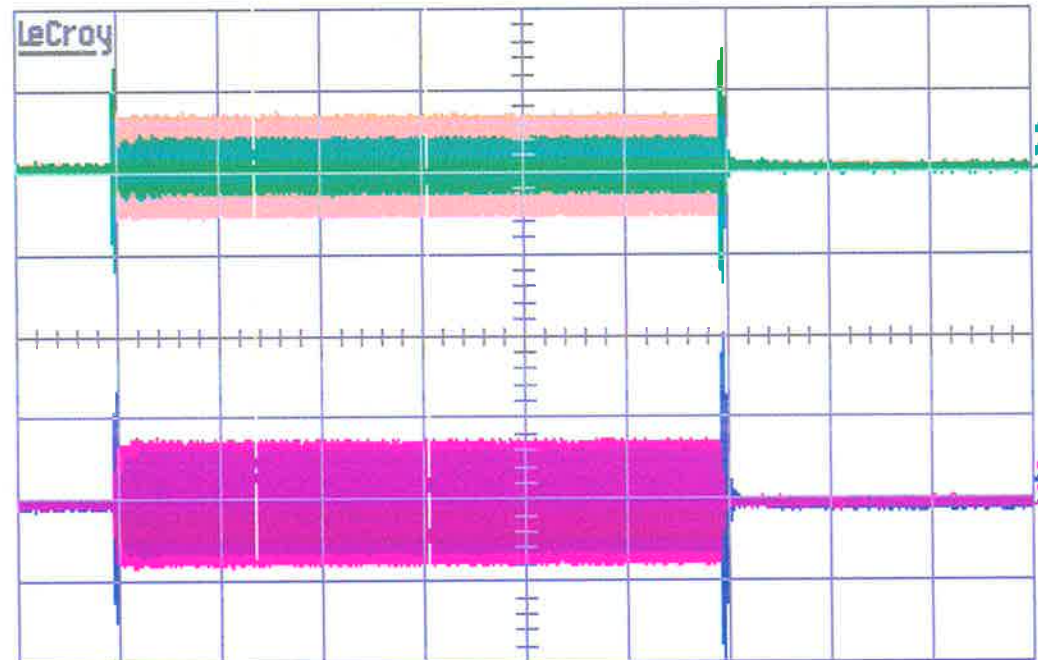
2
.5 ms
100mV

3
.5 ms
0.50 V

4
.5 ms
100mV

.5 ms

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



19 sweeps:

	average	low	high	sigma
rms(1)	213.7mV	212.5	214.9	0.6
rms(2)	22.3mV	22.2	22.5	0.1
rms(3)	256.4mV	254.9	257.6	0.7
rms(4)	46.5mV	46.2	46.7	0.1
phase(1,3)	86.5 °	79.8	95.9	2.3



Ext DC 440mV 1MΩ

CHANNEL 4

Trace
OFF ☒ On

Coupling

ZOOM

FIND

Gain
Fixed ☒ variable

Offsets in
Volts ☒ Divisions

Grids
Single ☒ Dual
Quad Octal

20 MS/s

☐ NORMAL

1-Aug-23
15:32:59

1
.5 ms
0.50 V

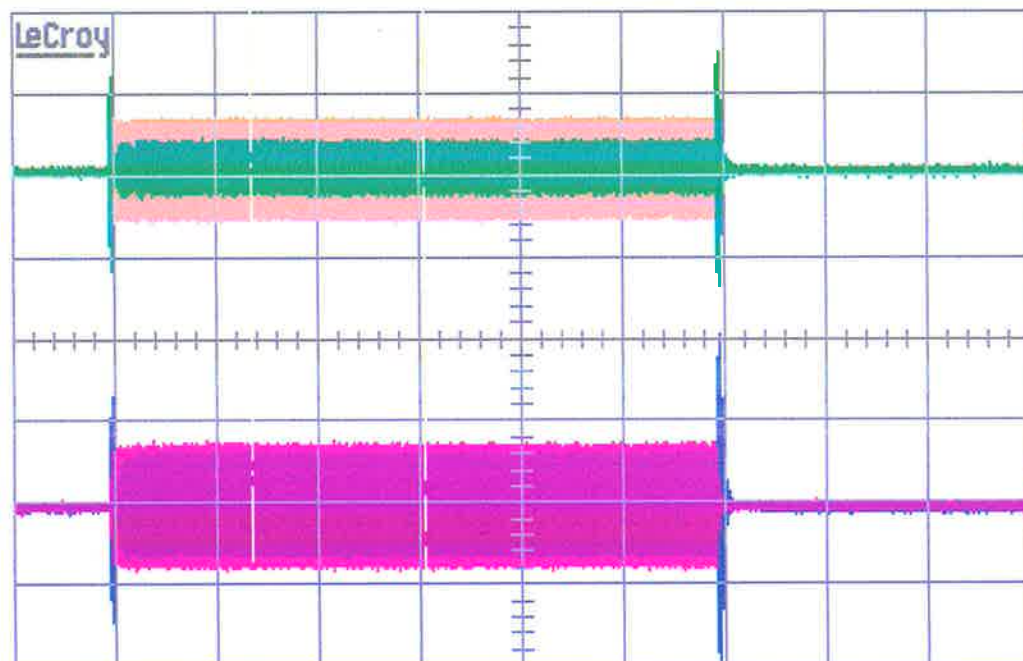
2
.5 ms
100mV

3
.5 ms
0.50 V

4
.5 ms
100mV

.5 ms

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



14 sweeps: average low high sigma
rms(1) 211.0mV 210.1 211.6 0.5
rms(2) 20.4mV 20.3 20.5 0.0
rms(3) 254.3mV 253.4 255.2 0.6
rms(4) 45.9mV 45.6 46.1 0.1
phase(1,3) 85.3 ° 78.5 91.3 2.3



Ext DC 440mV 1MΩ

CHANNEL 4

Trace
OFF ☒ On

Coupling

ZOOM

FIND

Gain
Fixed ☒ variable

Offsets in
Volts ☒ Divisions

Grids
Single ☒ Dual
Quad Octal

20 MS/s

☐ NORMAL

1-Aug-23
15:33:30

1
.5 ms
0.50 V

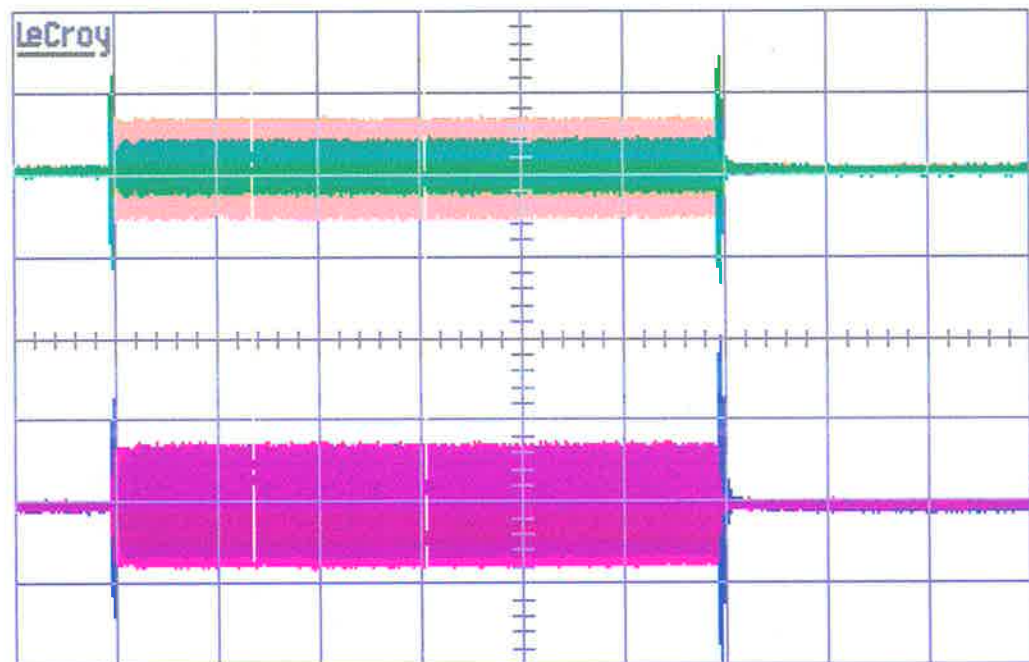
2
.5 ms
100mV

3
.5 ms
0.50 V

4
.5 ms
100mV

.5 ms

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



22 sweeps:

	average	low	high	sigma
rms(1)	209.0mV	208.0	210.1	0.6
rms(2)	20.4mV	20.3	20.5	0.1
rms(3)	252.7mV	251.5	254.1	0.7
rms(4)	46.8mV	46.6	47.0	0.1
phase(1,3)	84.5 °	76.6	90.7	2.3



Ext DC 440mV 1MΩ

CHANNEL 4

Trace
OFF ☒ On

Coupling

ZOOM

FIND

Gain
Fixed ☒ variable

Offsets in
Volts ☒ Divisions

Grids
Single ☒ Dual
Quad Octal

20 MS/s

☐ NORMAL

1-Aug-23
15:34:02

1
.5 ms
0.50 V

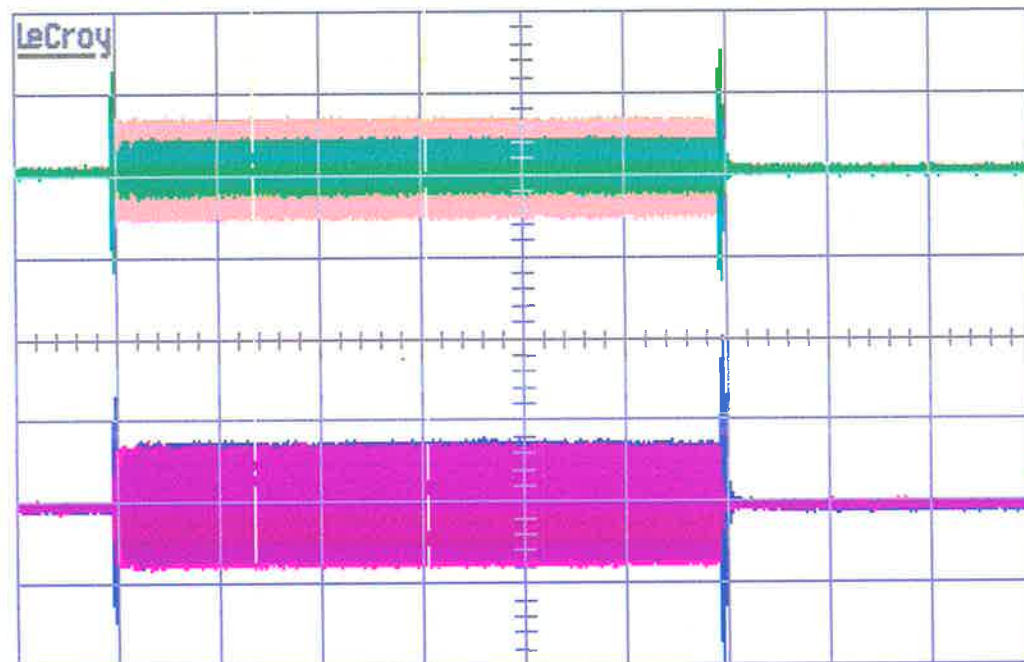
2
.5 ms
100mV

3
.5 ms
0.50 V

4
.5 ms
100mV

.5 ms

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



13 sweeps:

	average	low	high	sigma
rms(1)	208.3mV	207.1	209.3	0.7
rms(2)	22.1mV	21.9	22.2	0.1
rms(3)	252.3mV	250.6	253.4	0.8
rms(4)	49.0mV	48.8	49.3	0.2
phase(1,3)	83.3 °	76.2	89.7	2.3



Ext DC 440mV 1MΩ

CHANNEL 4

Trace
OFF ☒ On

Coupling

ZOOM

FIND

Gain
Fixed ☒ variable

Offsets in
Volts ☒ Divisions

Grids
Single ☒ Dual
Quad Octal

20 MS/s

☐ NORMAL

1-Aug-23
15:34:30

1
.5 ms
0.50 V

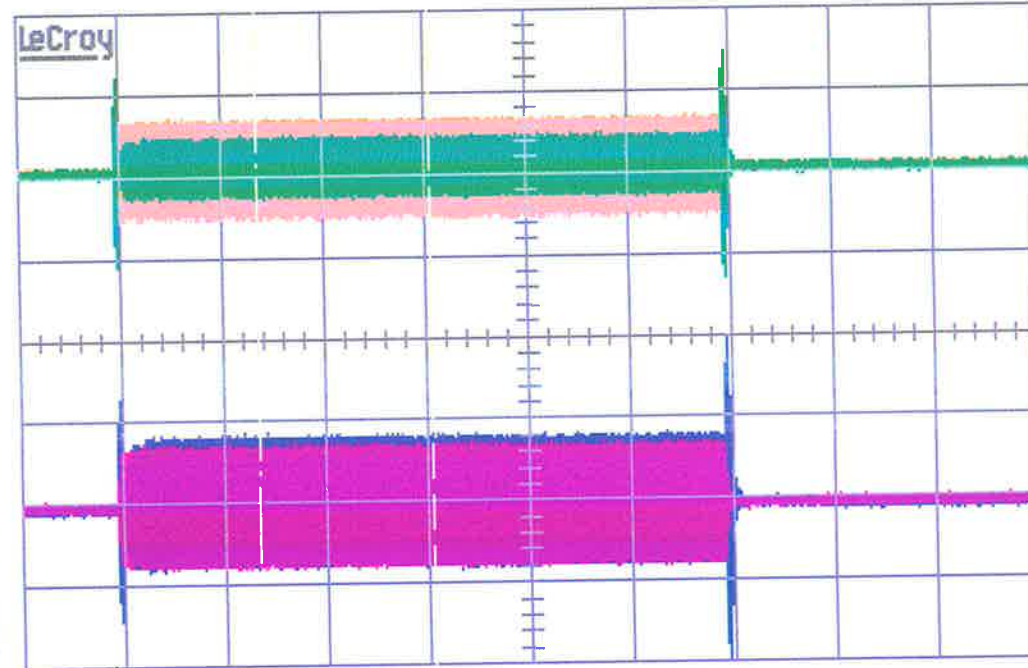
2
.5 ms
100mV

3
.5 ms
0.50 V

4
.5 ms
100mV

.5 ms

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



20 sweeps: average low high sigma

rms(1)	206.5mV	205.9	207.1	0.3
rms(2)	24.9mV	24.8	24.9	0.0
rms(3)	250.1mV	249.6	250.8	0.4
rms(4)	52.1mV	51.9	52.3	0.1
phase(1,3)	82.2 °	76.0	90.5	2.4



Ext DC 440mV 1MΩ

CHANNEL 4

Trace
OFF ☒ On

Coupling

ZOOM

FIND

Gain
Fixed ☒ variable

Offsets in
Volts ☒ Divisions

Grids
Single ☒ Dual
Quad Octal

20 MS/s

☐ NORMAL

1-Aug-23
15:35:01

1
.5 ms
0.50 V

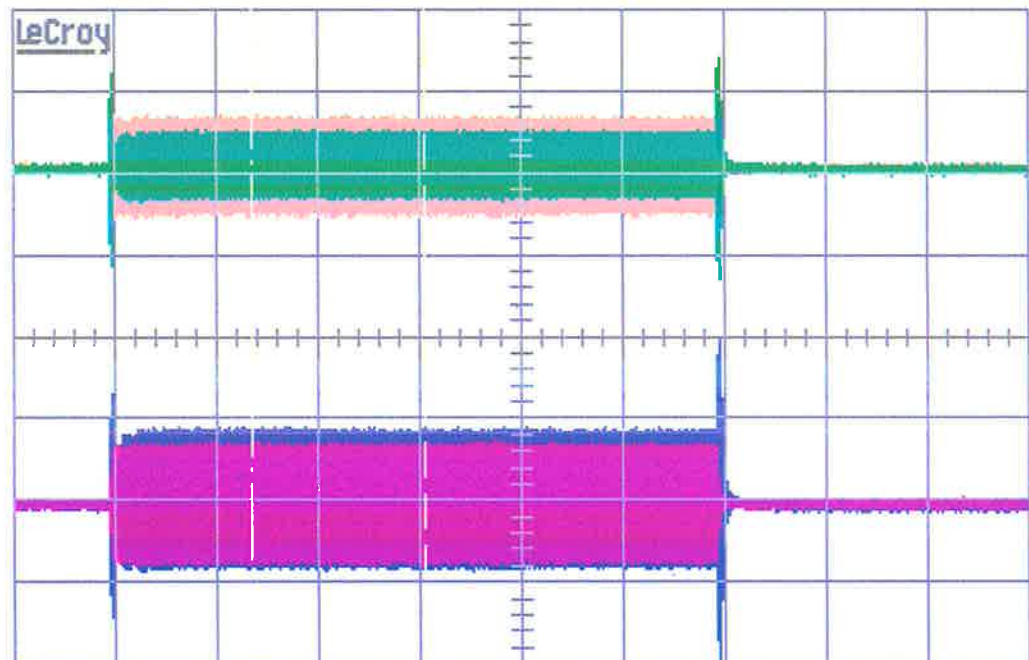
2
.5 ms
100mV

3
.5 ms
0.50 V

4
.5 ms
100mV

.5 ms

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



22 sweeps: average low high sigma

rms(1)	204.5mV	203.9	205.1	0.3
rms(2)	28.5mV	28.4	28.6	0.1
rms(3)	247.4mV	246.7	248.1	0.4
rms(4)	55.9mV	55.7	56.0	0.1
phase(1,3)	81.1 °	73.3	90.4	2.4



Ext DC 440mV 1MΩ

CHANNEL 4

Trace
OFF ☒ On

Coupling

ZOOM

FIND

Gain
Fixed ☒
variable

Offsets in
Volts ☒
Divisions

Grids
Single ☒ Dual
Quad Octal

20 MS/s

☐ NORMAL

1-Aug-23
15:35:30

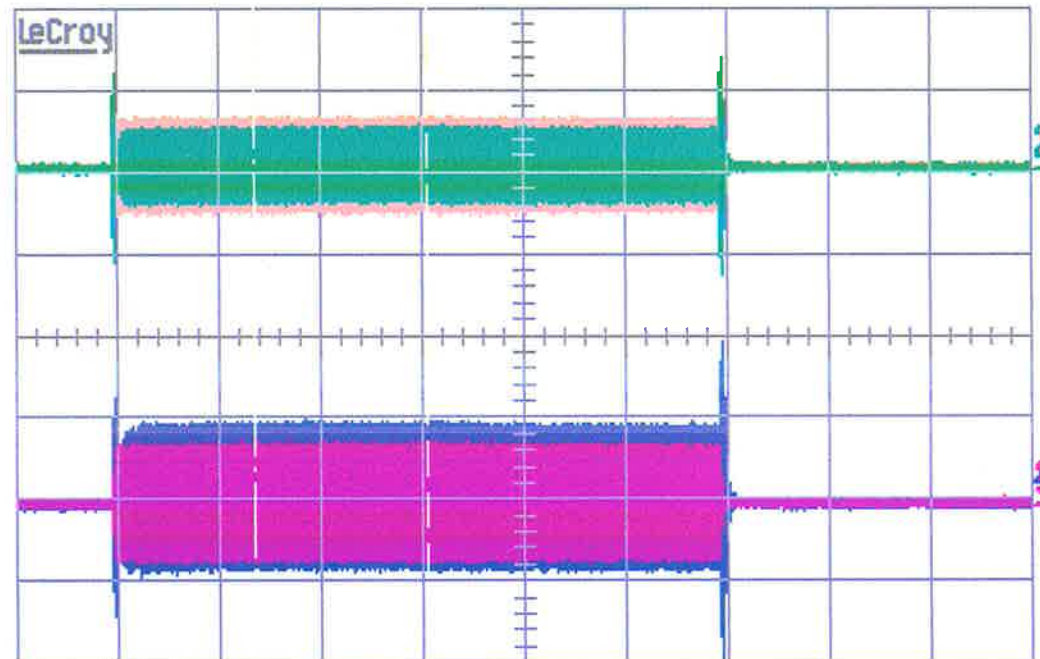
1
.5 ms
0.50 V

2
.5 ms
100mV

3
.5 ms
0.50 V

4
.5 ms
100mV

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



22 sweeps:

	average	low	high	sigma
rms(1)	202.9mV	202.6	203.4	0.3
rms(2)	32.6mV	32.5	32.7	0.1
rms(3)	244.9mV	244.4	245.4	0.3
rms(4)	60.3mV	60.2	60.6	0.1
phase(1,3)	80.0 °	71.8	87.8	2.4



Ext DC 440mV 1MΩ

CHANNEL 4

Trace
OFF ☒ On

Coupling

ZOOM

FIND

Gain
Fixed ☒ variable

Offsets in
Volts ☒ Divisions

Grids
Single ☒ Dual
Quad Octal

20 MS/s

☐ NORMAL

1-Aug-23
15:36:00

1
.5 ms
0.50 V

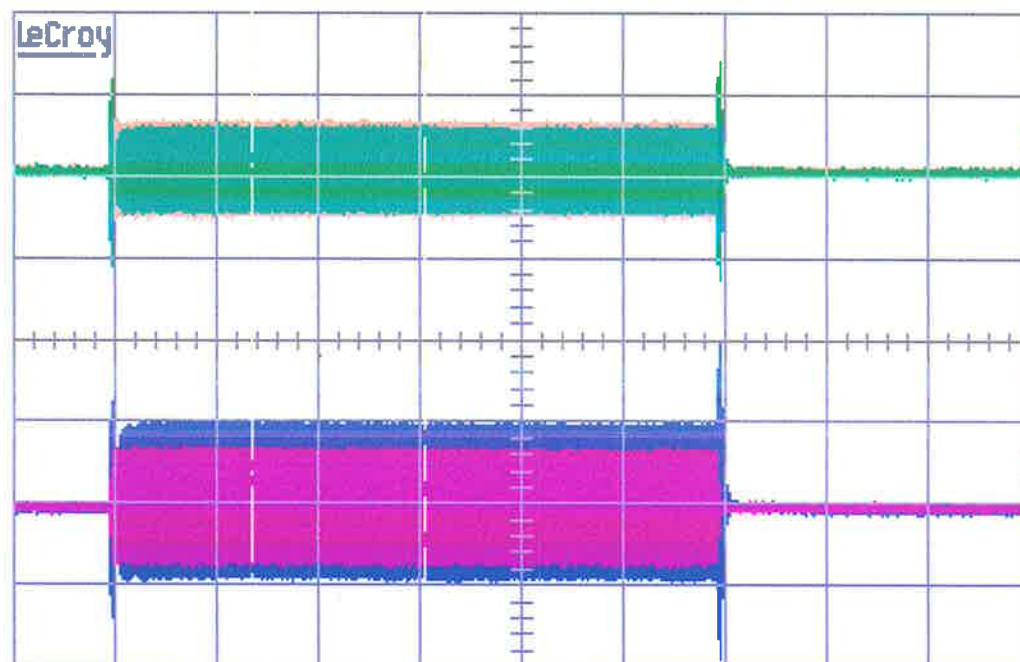
2
.5 ms
100mV

3
.5 ms
0.50 V

4
.5 ms
100mV

.5 ms

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



15 sweeps: average low high sigma

rms(1)	200.8mV	200.3	201.4	0.3
rms(2)	36.6mV	36.5	36.7	0.1
rms(3)	241.6mV	241.1	242.3	0.4
rms(4)	64.8mV	64.7	65.0	0.1
phase(1,3)	79.0 °	70.3	85.6	2.4



Ext DC 440mV 1MΩ

CHANNEL 4

Trace
OFF ☒ On

Coupling

ZOOM

FIND

Gain
☒ Fixed
variable

Offsets in
☒ Volts
Divisions

Grids
☒ Single Dual
Quad Octal

20 MS/s

☐ NORMAL

1-Aug-23
15:36:32

1
.5 ms
0.50 V

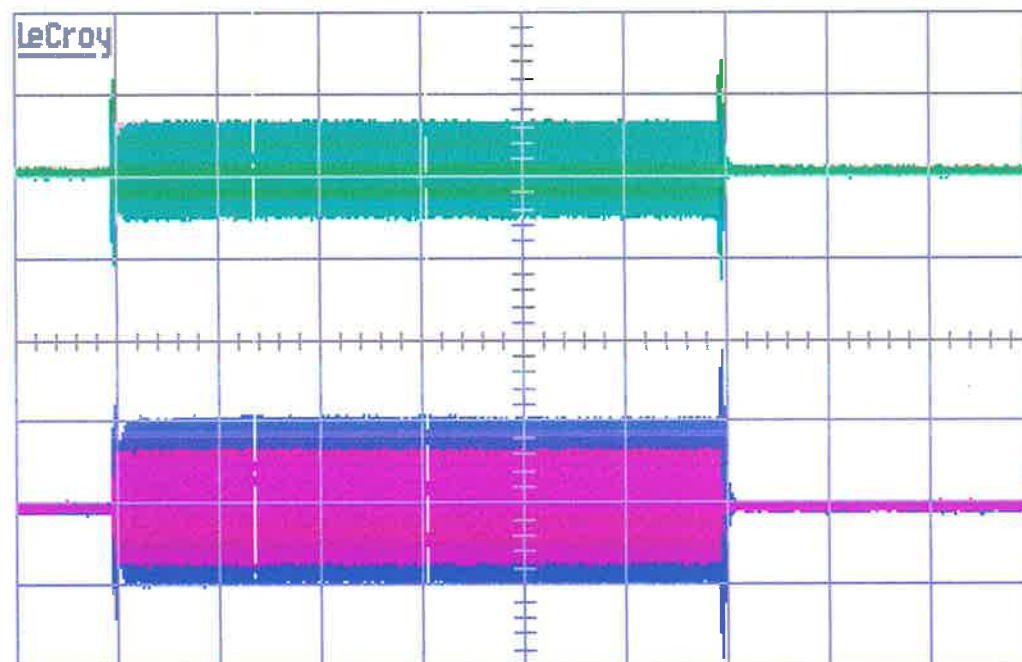
2
.5 ms
100mV

3
.5 ms
0.50 V

4
.5 ms
100mV

.5 ms

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



19 sweeps:

	average	low	high	sigma
rms(1)	199.3mV	198.8	199.9	0.3
rms(2)	40.6mV	40.5	40.7	0.1
rms(3)	238.7mV	238.1	239.4	0.4
rms(4)	69.7mV	69.5	70.0	0.2
phase(1,3)	77.9 °	70.9	86.8	2.3



Ext DC 440mV 1MΩ

CHANNEL 4

Trace
OFF ☒ On

Coupling

ZOOM

FIND

Gain
Fixed ☒ variable

Offsets in
Volts ☒ Divisions

Grids
Single ☒ Dual
Quad Octal

20 MS/s

☐ NORMAL

1-Aug-23
15:37:31

1
.5 ms
0.50 V

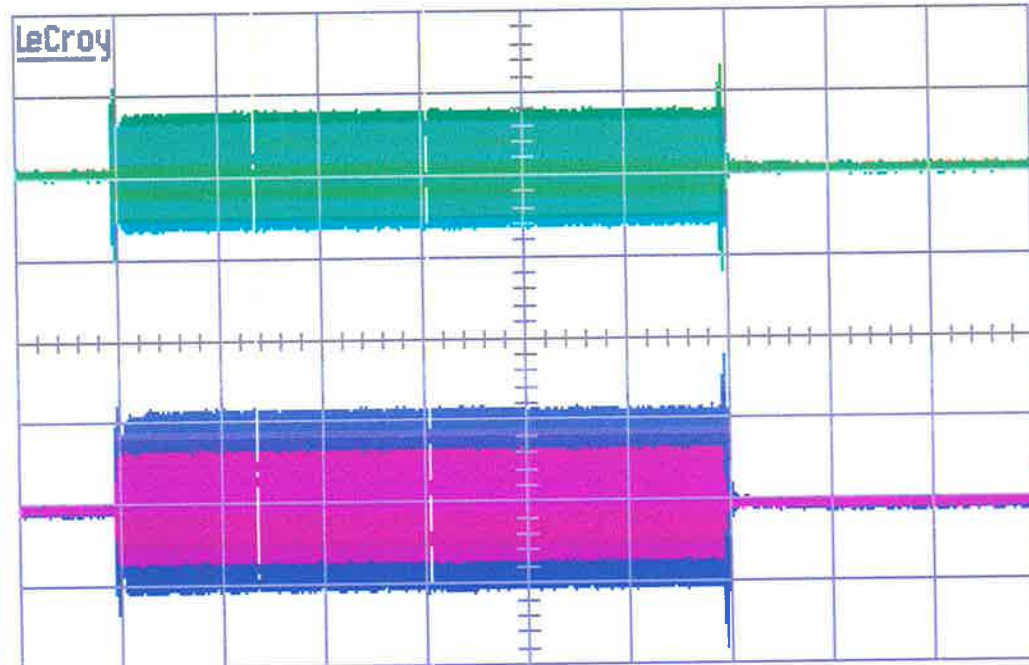
2
.5 ms
100mV

3
.5 ms
0.50 V

4
.5 ms
100mV

.5 ms

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



21 sweeps:

	average	low	high	sigma
rms(1)	195.4mV	194.9	196.0	0.3
rms(2)	48.2mV	48.1	48.4	0.1
rms(3)	231.5mV	230.9	232.4	0.4
rms(4)	78.6mV	78.4	78.9	0.1
phase(1,3)	75.8 °	67.4	83.7	2.5



Ext DC 440mV 1MΩ

CHANNEL 4

Trace
OFF ☒ On

Coupling

ZOOM

FIND

Gain
Fixed ☒ variable

Offsets in
Volts ☒ Divisions

Grids
Single ☒ Dual
Quad Octal

20 MS/s

☐ NORMAL

1-Aug-23
15:38:03

1
.5 ms
0.50 V

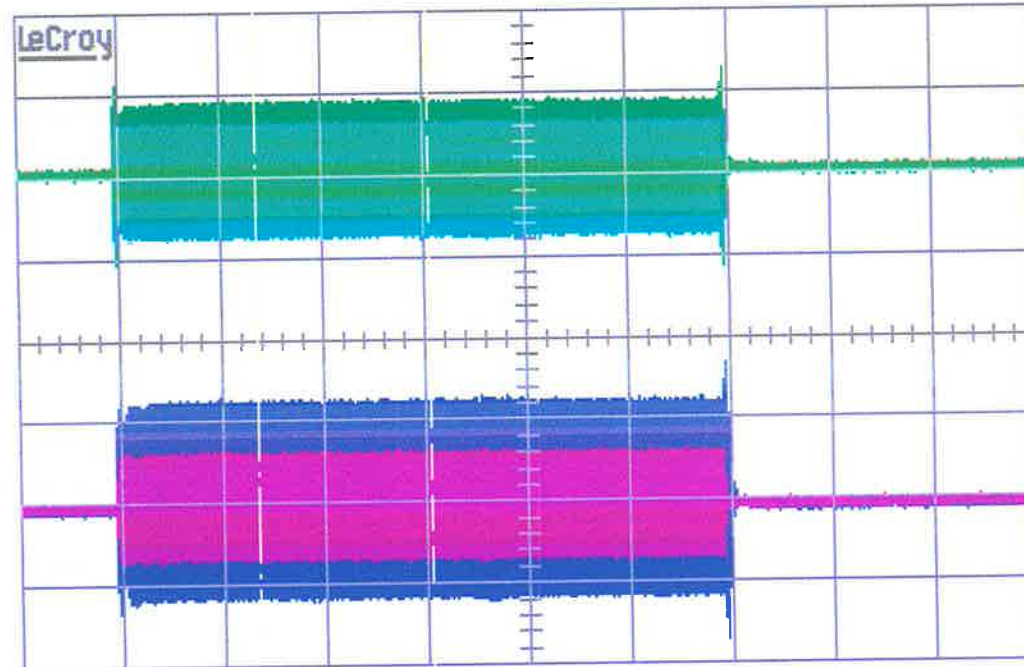
2
.5 ms
100mV

3
.5 ms
0.50 V

4
.5 ms
100mV

.5 ms

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



20 sweeps:

	average	low	high	sigma
rms(1)	192.5mV	191.9	193.3	0.4
rms(2)	55.4mV	55.2	55.7	0.1
rms(3)	225.1mV	224.4	226.0	0.4
rms(4)	87.1mV	86.8	87.4	0.2
phase(1,3)	73.9 °	67.1	81.2	2.4



Ext DC 440mV 1MΩ

CHANNEL 4

Trace
OFF ☒ On

Coupling

ZOOM

FIND

Gain
Fixed ☒ variable

Offsets in
Volts ☒ Divisions

Grids
Single ☒ Dual
Quad Octal

20 MS/s

☐ NORMAL

1-Aug-23
15:38:31

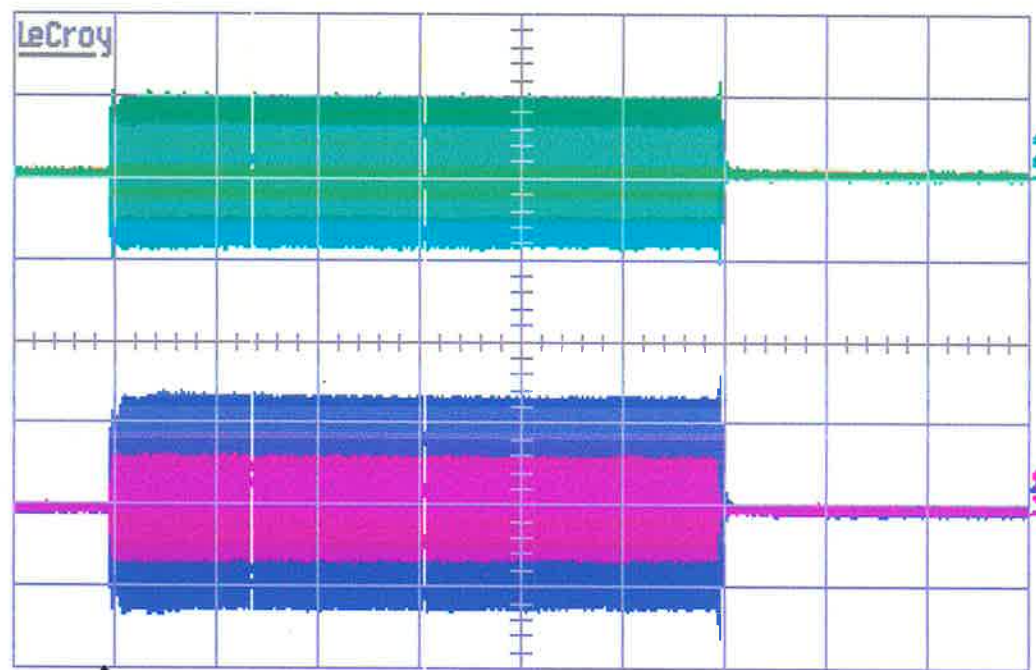
1
.5 ms
0.50 V

2
.5 ms
100mV

3
.5 ms
0.50 V

4
.5 ms
100mV

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



17 sweeps:

	average	low	high	sigma
rms(1)	189.9mV	188.5	191.0	0.7
rms(2)	62.0mV	61.5	62.4	0.2
rms(3)	218.7mV	217.0	220.2	0.8
rms(4)	94.6mV	93.9	95.1	0.4
phase(1,3)	72.4 °	64.7	80.0	2.5



Ext DC 440mV 1MΩ

CHANNEL 4

Trace
OFF ☒ On

Coupling

ZOOM

FIND

Gain
Fixed ☒ variable

Offsets in
Volts ☒ Divisions

Grids
Single ☒ Dual
Quad Octal

20 MS/s

☐ NORMAL

1-Aug-23
15:39:30

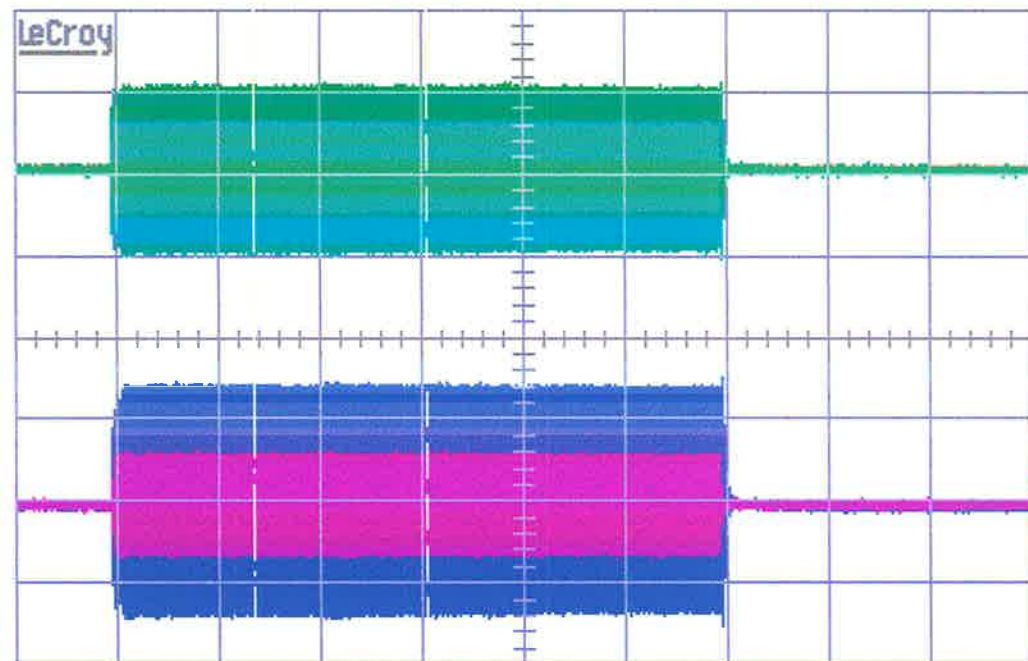
1
.5 ms
0.50 V

2
.5 ms
100mV

3
.5 ms
0.50 V

4
.5 ms
100mV

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



19 sweeps:

	average	low	high	sigma
rms(1)	187.5mV	187.1	188.1	0.3
rms(2)	68.0mV	67.8	68.2	0.1
rms(3)	212.5mV	212.0	213.1	0.4
rms(4)	101.0mV	100.8	101.3	0.2
phase(1,3)	71.0 °	61.5	78.5	2.6



Ext DC 440mV 1MΩ

CHANNEL 4

Trace
OFF ☒ On

Coupling

ZOOM

FIND

Gain
Fixed ☒ variable

Offsets in
Volts ☒ Divisions

Grids
Single ☒ Dual
Quad Octal

20 MS/s

☐ NORMAL

1-Aug-23
15:40:00

1
.5 ms
0.50 V

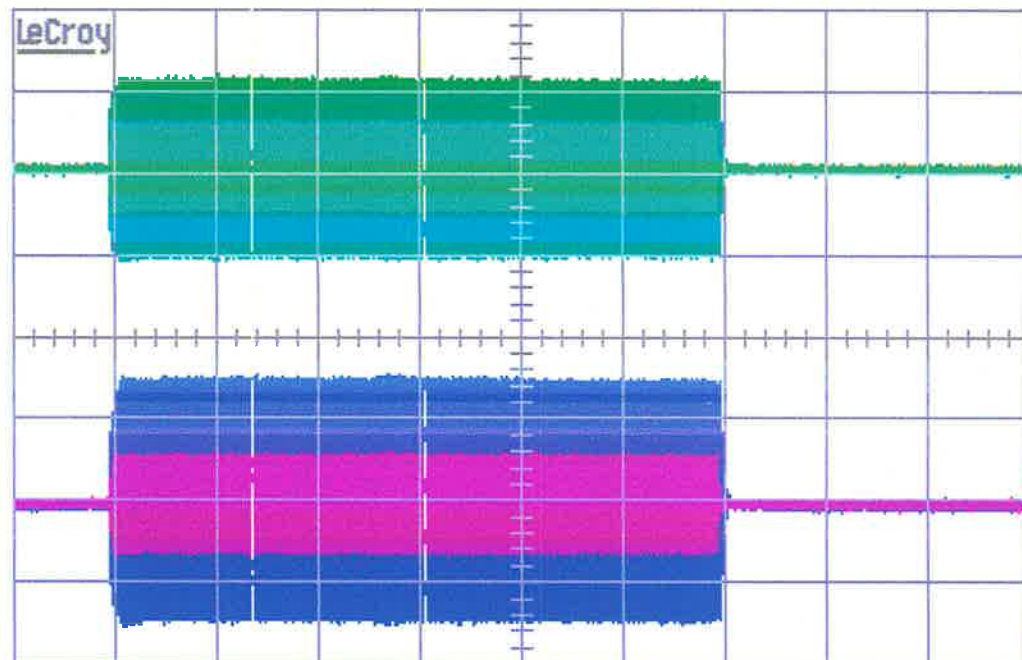
2
.5 ms
100mV

3
.5 ms
0.50 V

4
.5 ms
100mV

.5 ms

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



20 sweeps:

	average	low	high	sigma
rms(1)	184.8mV	184.3	185.5	0.4
rms(2)	72.9mV	72.7	73.2	0.2
rms(3)	205.9mV	205.3	206.6	0.4
rms(4)	106.0mV	105.8	106.4	0.2
phase(1,3)	69.7 °	60.5	79.9	2.8



Ext DC 440mV 1MΩ

CHANNEL 4

Trace
OFF ☒ On

Coupling

ZOOM

FIND

Gain
☒ Fixed
variable

Offsets in
☒ Volts
Divisions

Grids
☒ Single Dual
Quad Octal

20 MS/s

☐ NORMAL