

DUTY CYCLE INFORMATION

CosmoLogic Systems

StellaCam Wireless Controller

Model: SWC-A

| PULSE NUMBER | Time (uS) |
|--------------|-----------|
| 1 | 4750 |
| 2 | 430 |
| 3 | 430 |
| 4 | 430 |
| 5 | 220 |
| 6 | 430 |
| 7 | 220 |
| 8 | 430 |
| 9 | 640 |
| 10 | 220 |
| 11 | 230 |
| 12 | 430 |
| 13 | 430 |
| 14 | 640 |
| 15 | 430 |
| 16 | 220 |
| 17 | 430 |
| 18 | 430 |
| 19 | 220 |
| 20 | 430 |
| 21 | 430 |
| 22 | 430 |
| 23 | 430 |
| 24 | 430 |
| 25 | 430 |
| 26 | 220 |

DUTY CYCLE INFORMATION

CosmoLogic Systems

StellaCam Wireless Controller

Model: SWC-A

| PULSE NUMBER | Time (uS) |
|--------------|-----------|
| 27 | 430 |
| 28 | 220 |
| 29 | 220 |
| 30 | 430 |
| 31 | 640 |
| 32 | 430 |
| 33 | 220 |
| 34 | 220 |
| 35 | 430 |
| 36 | 220 |
| 37 | 220 |
| 38 | 220 |
| 39 | 220 |
| 40 | 220 |
| 41 | 220 |
| 42 | 220 |
| 43 | 220 |
| 44 | 430 |
| 45 | 220 |
| 46 | 220 |
| 47 | 430 |
| 48 | 220 |
| 49 | 220 |
| 50 | 430 |
| 51 | 430 |
| 52 | 430 |

DUTY CYCLE INFORMATION

CosmoLogic Systems

StellaCam Wireless Controller

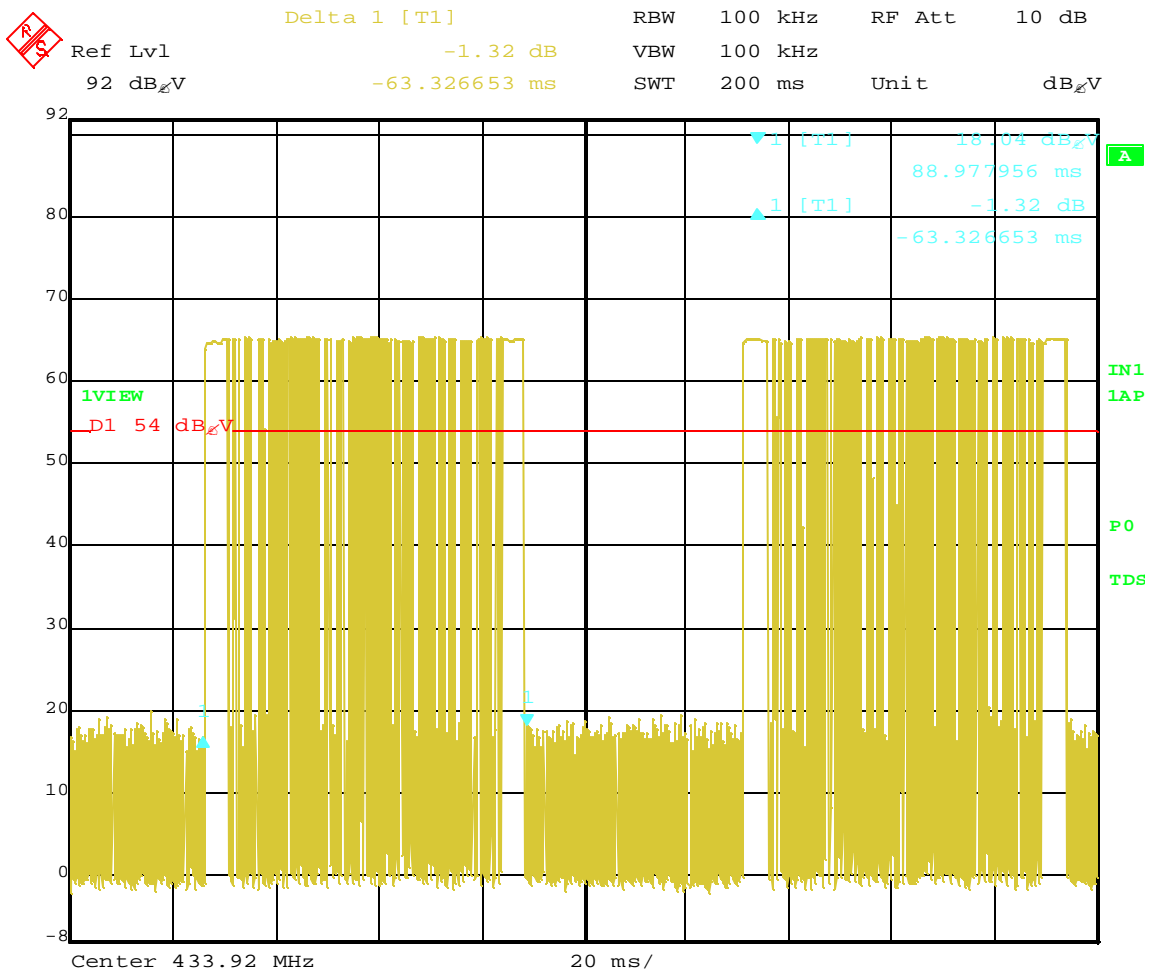
Model: SWC-A

| PULSE NUMBER | Time (uS) |
|--------------|-----------|
| 53 | 230 |
| 54 | 220 |
| 55 | 430 |
| 56 | 220 |
| 57 | 430 |
| 58 | 430 |
| 59 | 430 |
| 60 | 430 |
| 61 | 220 |
| 62 | 430 |
| 63 | 430 |
| 64 | 220 |
| 65 | 220 |
| 66 | 220 |
| 67 | 220 |
| 68 | 640 |
| 69 | 4900 |

Total On Time = 32,810 uS

Total Time of Pulse with Blanking Interval = 100,000 uS

Total Duty Cycle = 32.81%

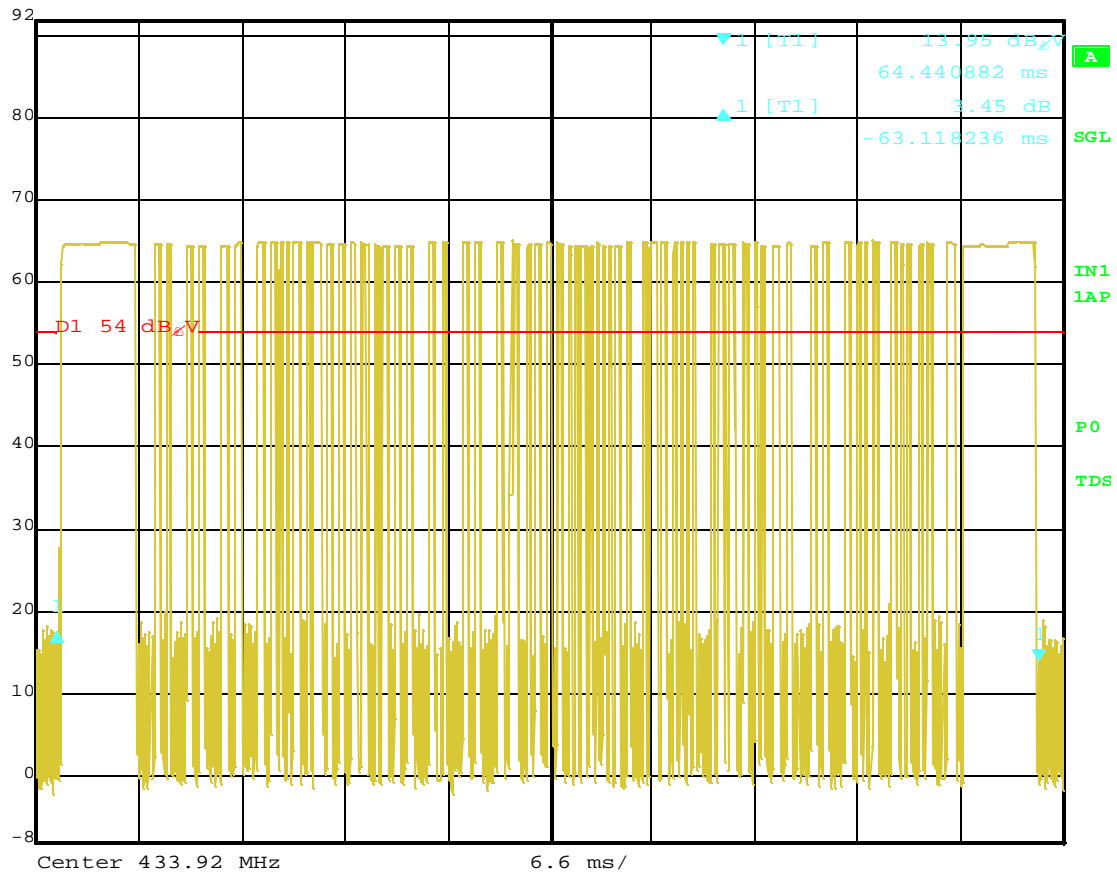


Date: 20.JUN.2008 09:45:09

Pulse Train Using the EMI Receiver



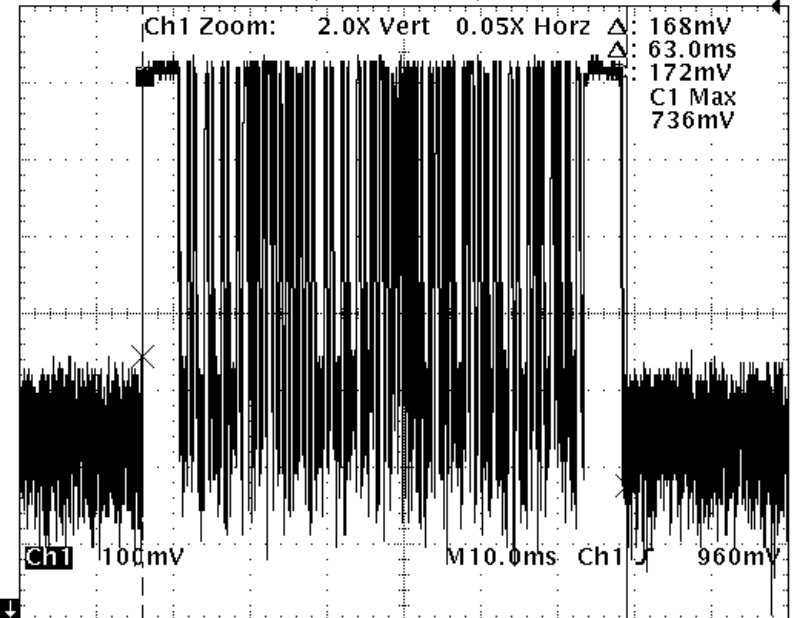
| | | | | | |
|----------------------|---------------|-----|---------|--------|-------------------|
| Ref Lvl | Delta 1 [T1] | RBW | 100 kHz | RF Att | 10 dB |
| 92 dB _μ V | 3.45 dB | VBW | 100 kHz | | |
| | -63.118236 ms | SWT | 66 ms | Unit | dB _μ V |



Date: 20.JUN.2008 09:55:57

Closeup of Pulse Train using EMI Receiver

Tek Run: 100kS/s Sample 1792



Cursor
Function

Off

H Bars

V Bars

Paired

1↓

Function
Paired

Mode
Indep

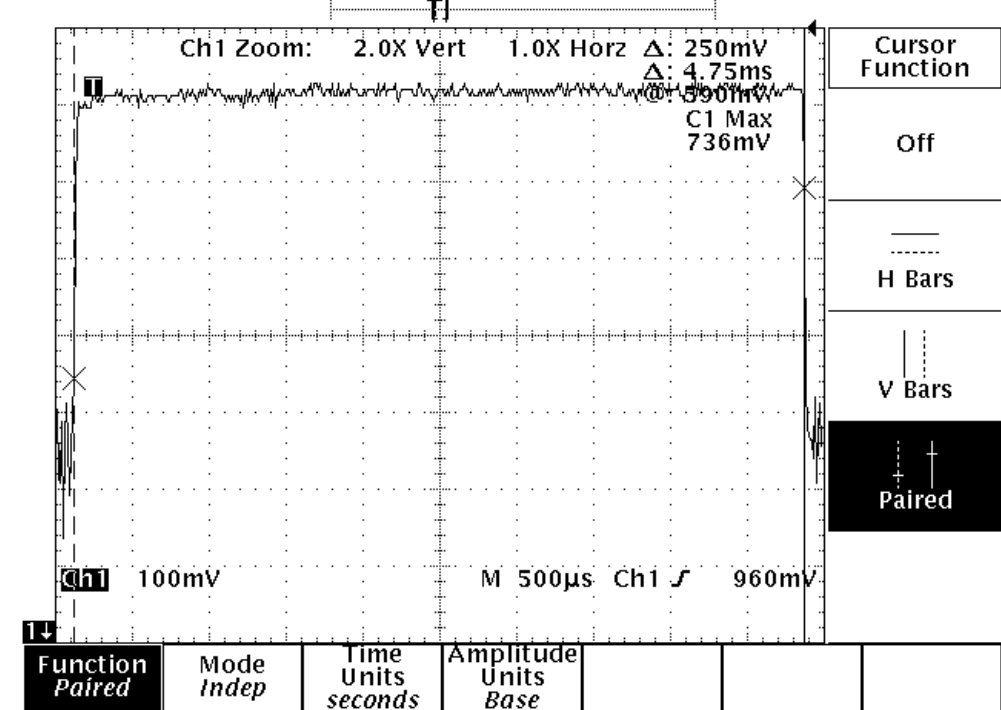
Time
Units
seconds

Amplitude
Units
Base



Tek Run: 100kS/s

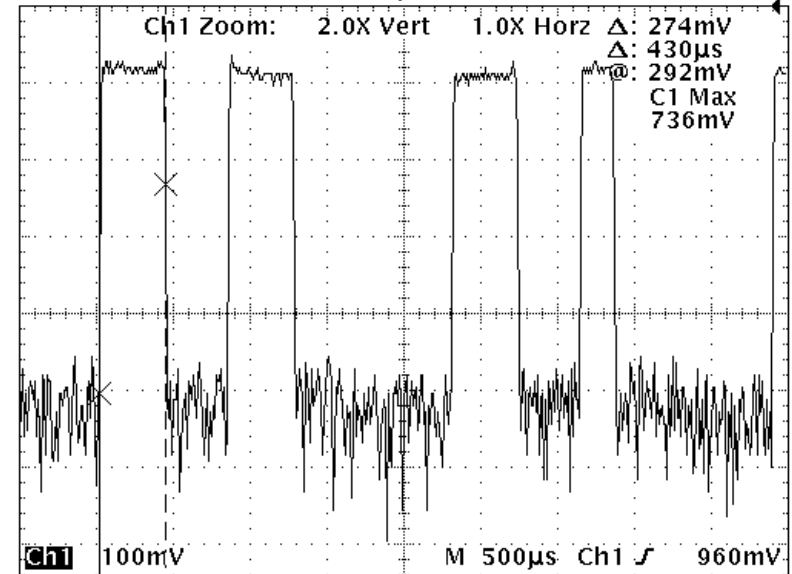
Sample 100%





Tek Run: 100kS/s

Sample **1792**



Cursor
Function

Off

H Bars

V Bars

Paired

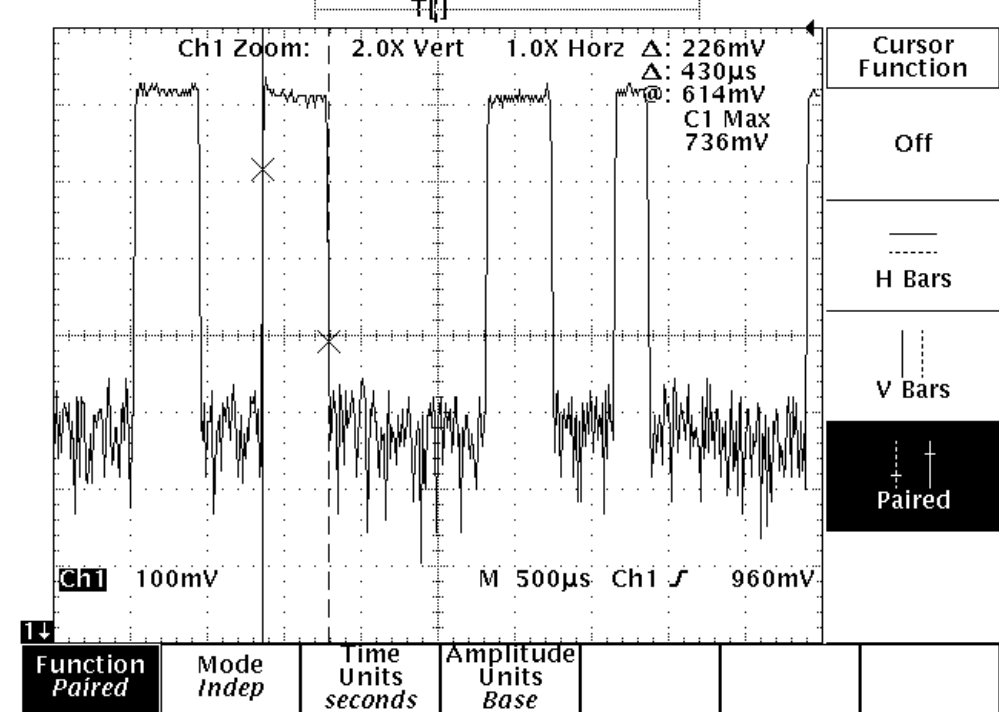
1↓

| Function | Mode | Time Units | Amplitude Units | | | |
|----------|-------|------------|-----------------|--|--|--|
| Paired | Indep | seconds | Base | | | |



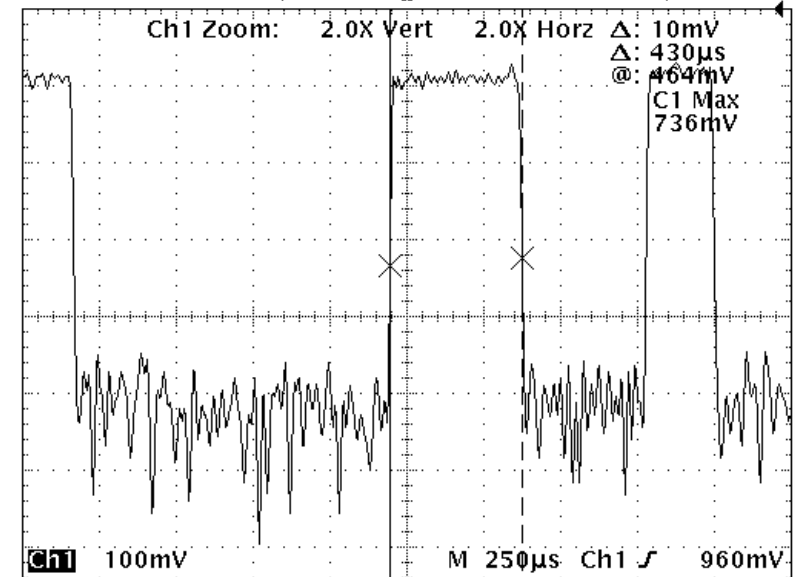
Tek Run: 100kS/s

Sample 1792



Tek Run: 100kS/s

Sample 1792



| Cursor Function |
|-----------------|
| Off |
| H Bars |
| V Bars |
| Paired |

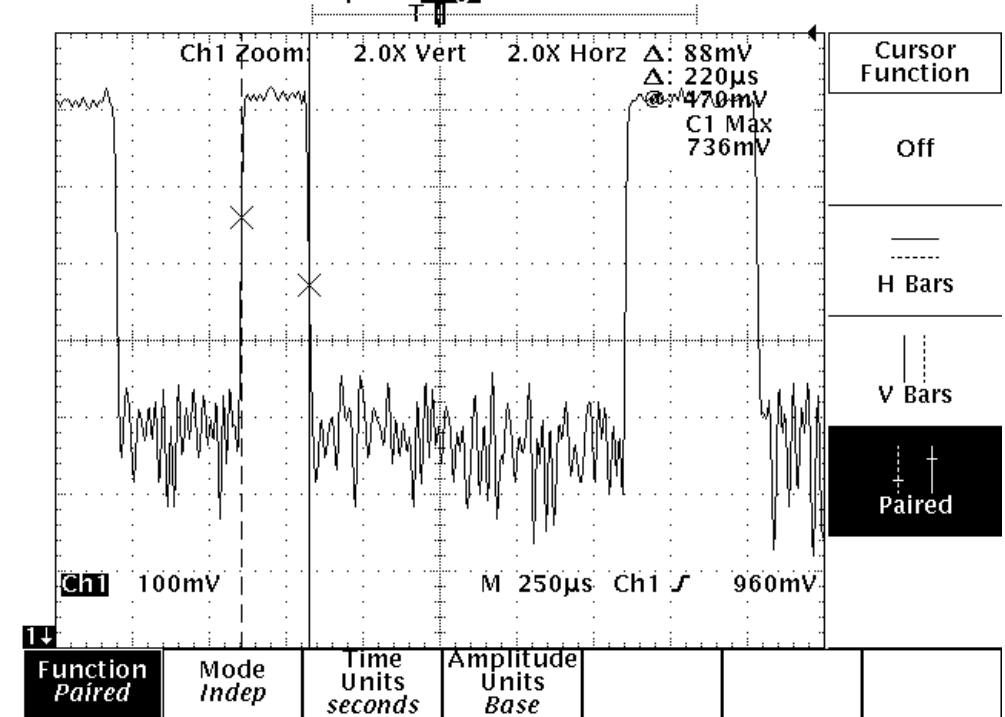
1↓

| Function | Mode | Time Units | Amplitude Units | | | |
|----------|-------|------------|-----------------|--|--|--|
| Paired | Indep | seconds | Base | | | |



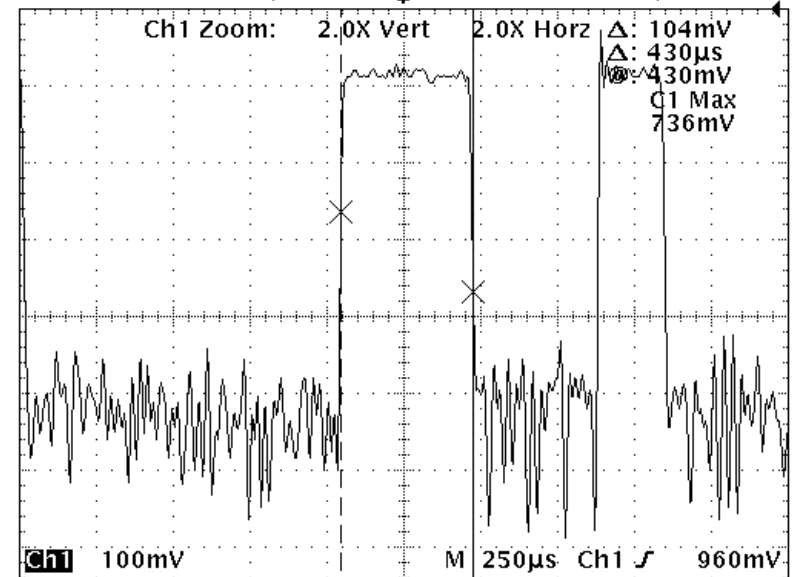
Tek Run: 100kS/s

Sample 1792



Tek Run: 100kS/s

Sample 1792



| Cursor Function |
|-----------------|
| Off |
| H Bars |
| V Bars |
| Paired |

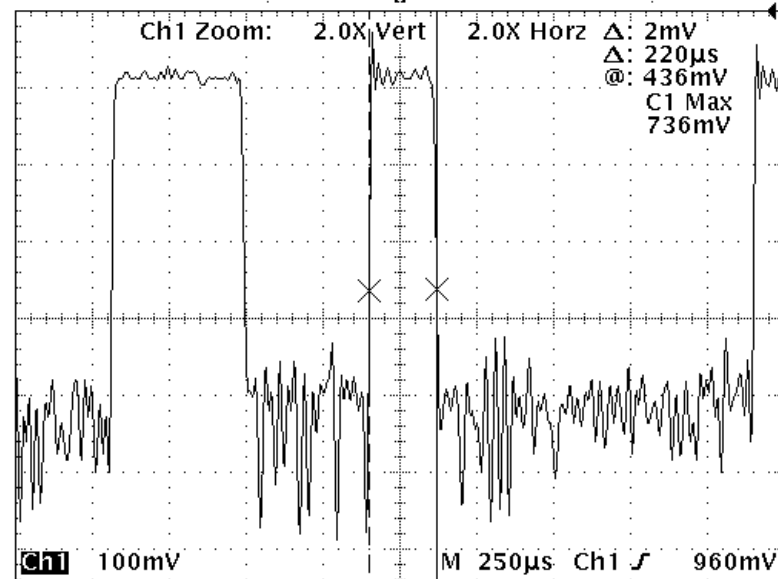
1↓

| Function | Mode | Time Units | Amplitude Units | | | |
|----------|-------|------------|-----------------|--|--|--|
| Paired | Indep | seconds | Base | | | |



Tek Run: 100kS/s

Sample 1792



Cursor
Function

Off

H Bars

V Bars

Paired

1↓

Function
Paired

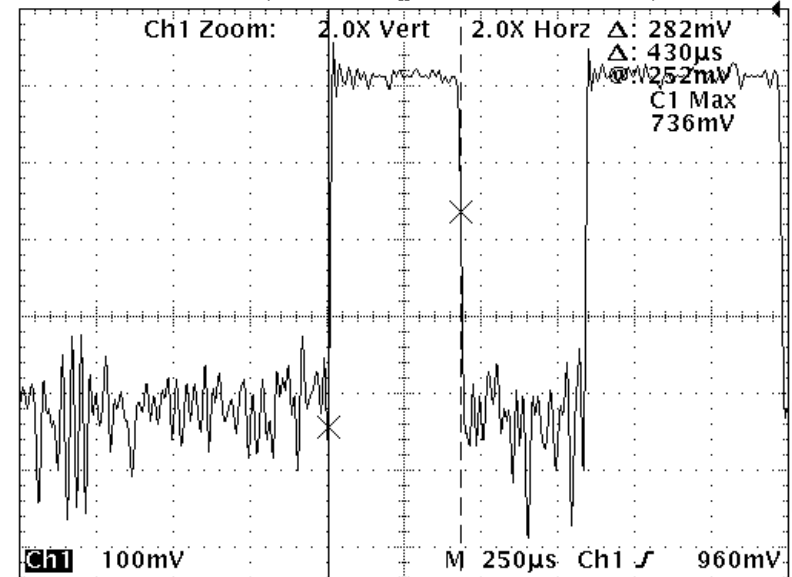
Mode
Indep

Time
Units
seconds

Amplitude
Units
Base

Tek Run: 100kS/s

Sample 1792

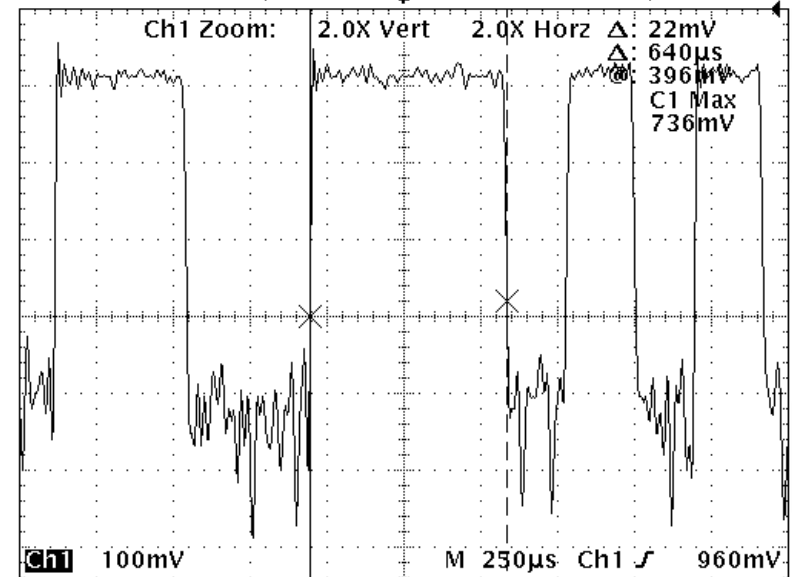


| Cursor Function |
|-----------------|
| Off |
| H Bars |
| V Bars |
| Paired |

| | | | | | | | |
|----|-----------------|------------|--------------------|----------------------|--|--|--|
| 1↓ | Function Paired | Mode Indep | Time Units seconds | Amplitude Units Base | | | |
|----|-----------------|------------|--------------------|----------------------|--|--|--|

Tek Run: 100kS/s

Sample 1792



| Cursor Function |
|-----------------|
| Off |
| H Bars |
| V Bars |
| Paired |

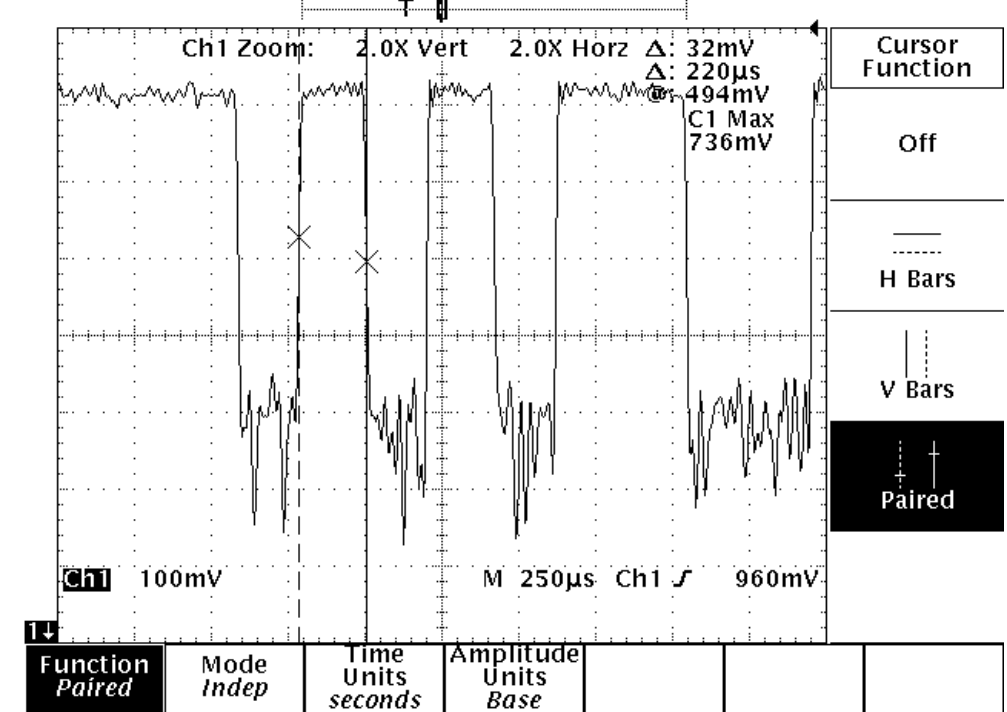
1↓

| Function | Mode | Time Units | Amplitude Units | | | |
|----------|-------|------------|-----------------|--|--|--|
| Paired | Indep | seconds | Base | | | |



Tek Run: 100kS/s

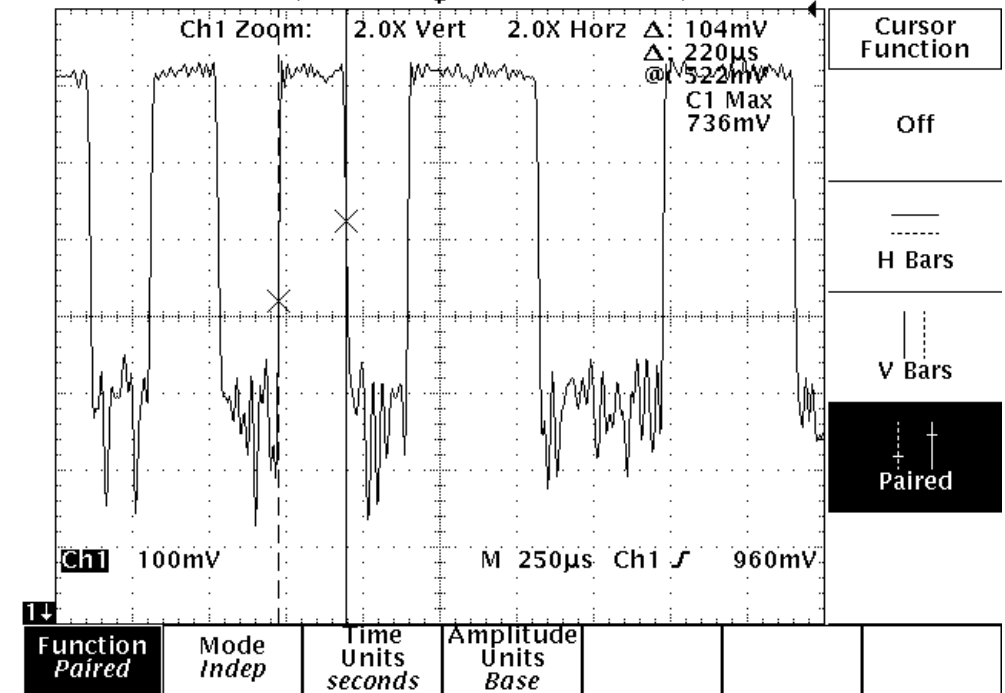
Sample 1792





Tek Run: 100kS/s

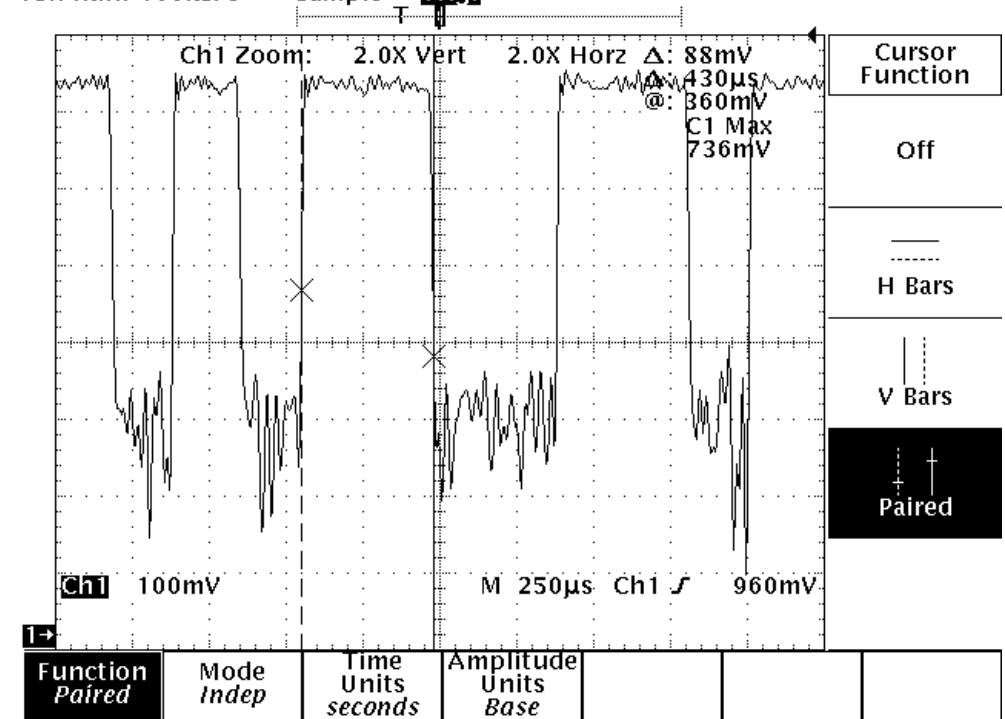
Sample 1792





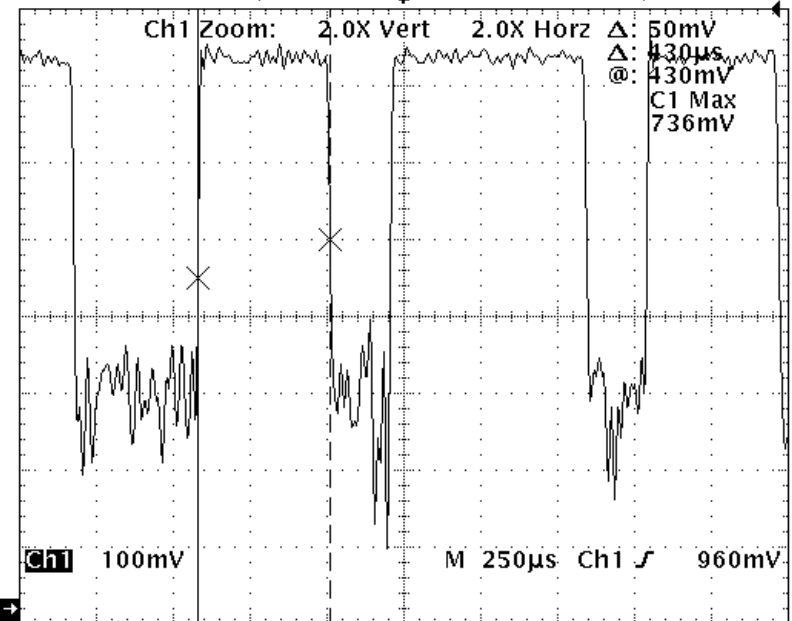
Tek Run: 100kS/s

Sample 1792



Tek Run: 100kS/s

Sample 1792



| Cursor Function |
|-----------------|
| Off |
| H Bars |
| V Bars |
| Paired |

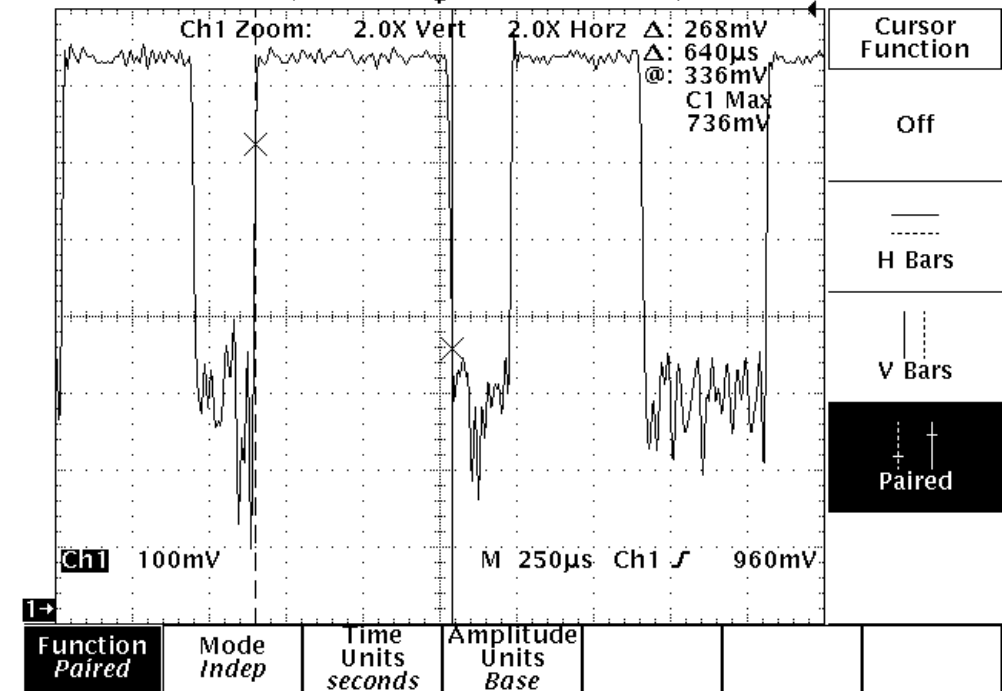
1→

| Function | Mode | Time Units | Amplitude Units | | | |
|----------|-------|------------|-----------------|--|--|--|
| Paired | Indep | seconds | Base | | | |



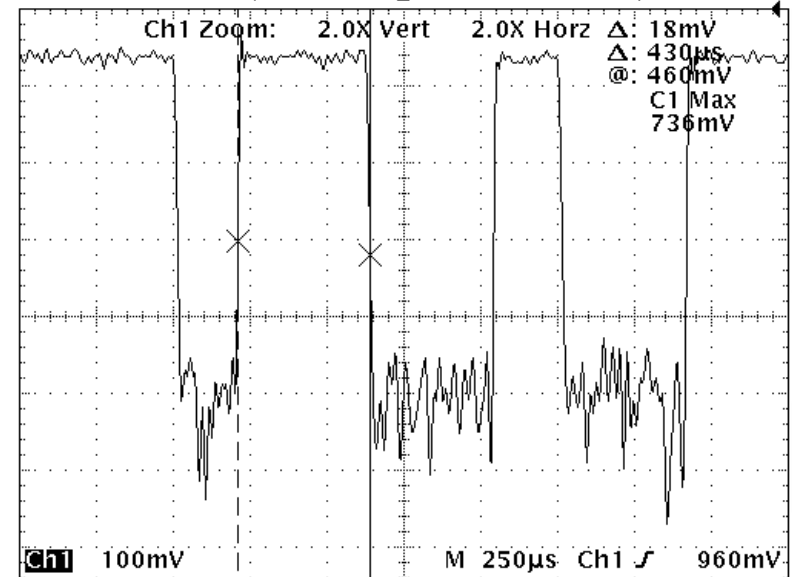
Tek Run: 100kS/s

Sample **1792**



Tek Run: 100kS/s

Sample 1792



| Cursor Function |
|-----------------|
| Off |
| H Bars |
| V Bars |
| Paired |

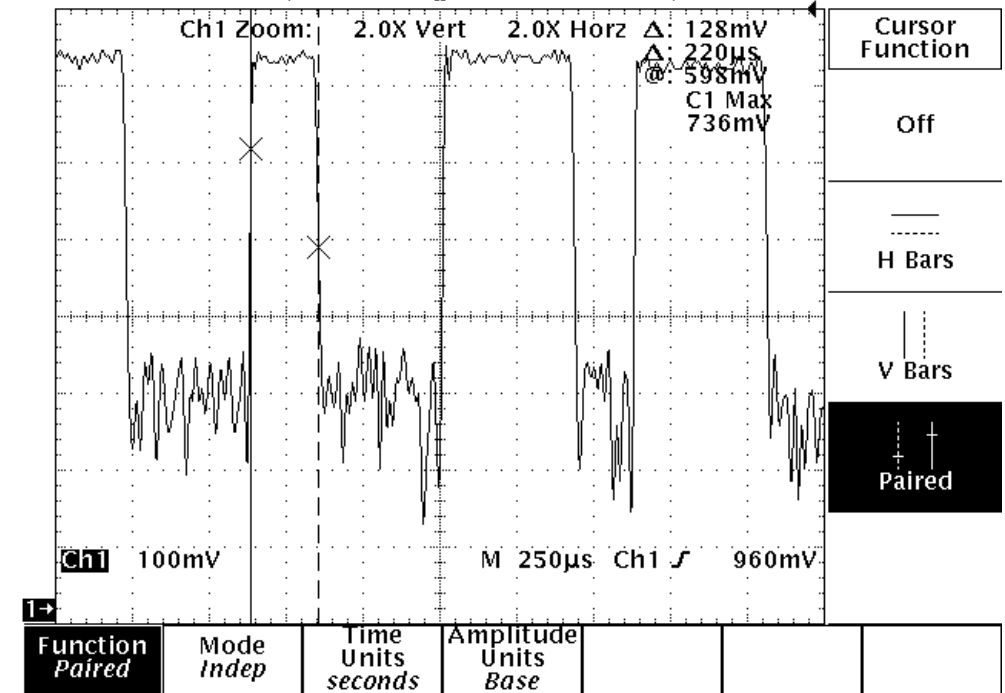
1→

| Function | Mode | Time Units | Amplitude Units | | | |
|----------|-------|------------|-----------------|--|--|--|
| Paired | Indep | seconds | Base | | | |



Tek Run: 100kS/s

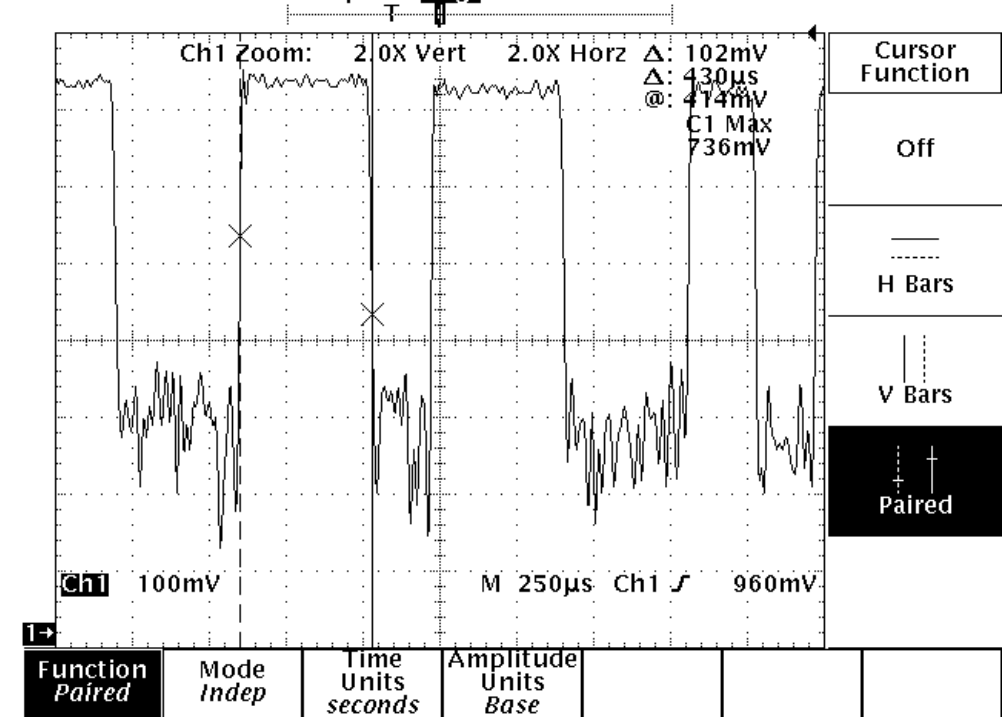
Sample 1792





Tek Run: 100kS/s

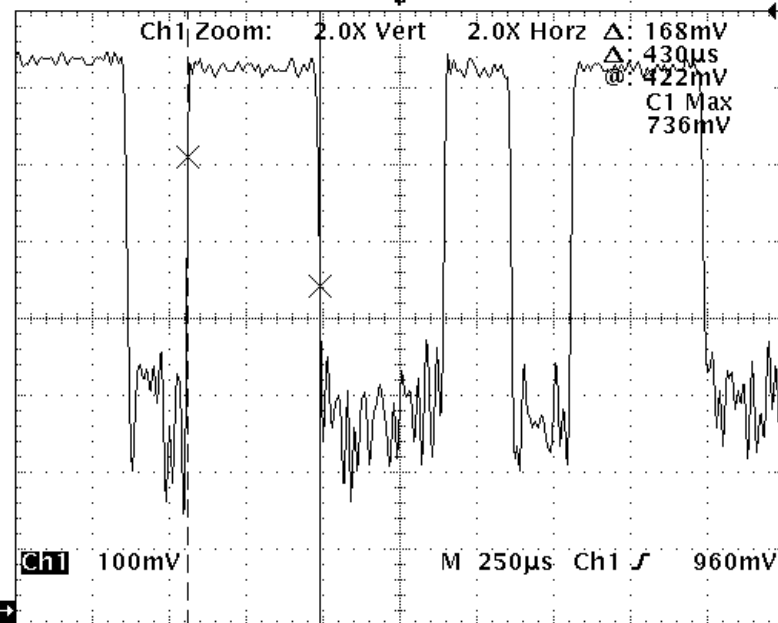
Sample 1792





Tek Run: 100kS/s

Sample 1792



1→

Function
Paired

Mode
Indep

Time
Units
seconds

Amplitude
Units
Base

Cursor
Function

Off

H Bars

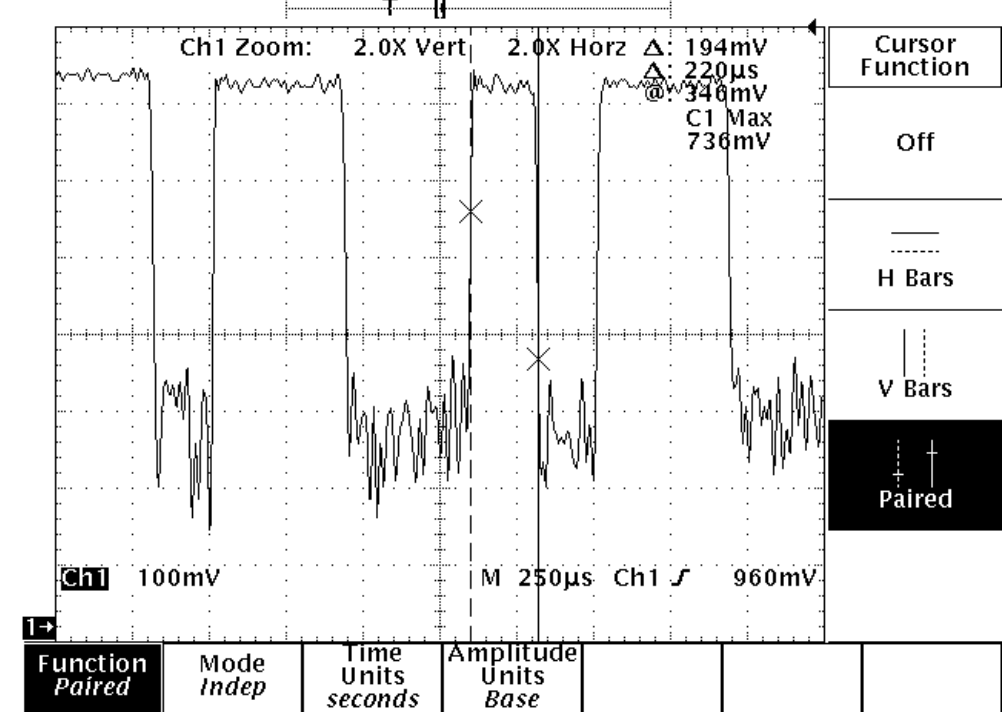
V Bars

Paired



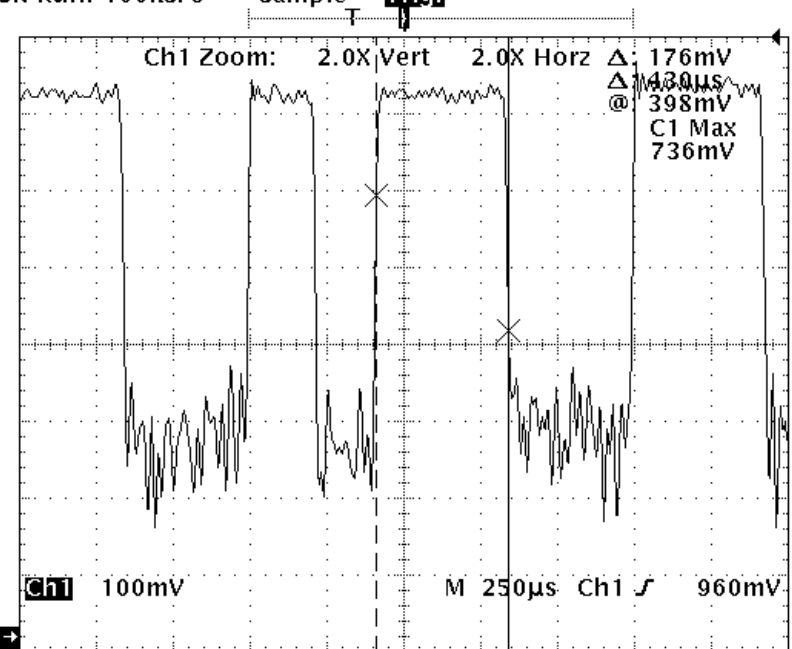
Tek Run: 100kS/s

Sample 1792



Tek Run: 100kS/s

Sample 1792



Cursor
Function

Off

H Bars

V Bars

Paired

1→

Function
Paired

Mode
Indep

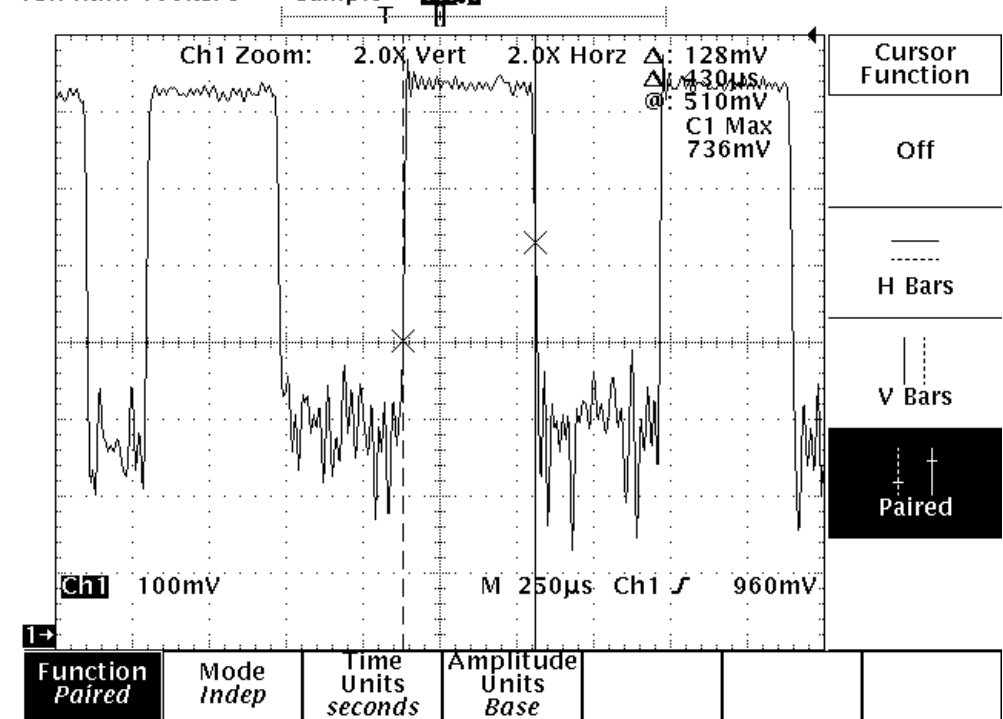
Time
Units
seconds

Amplitude
Units
Base



Tek Run: 100kS/s

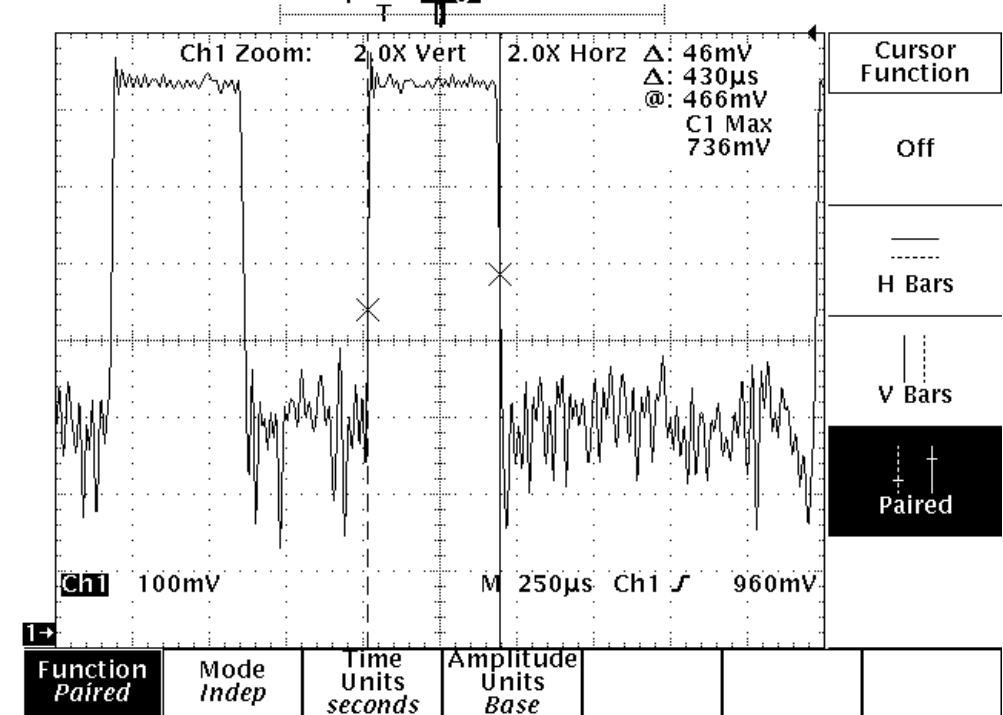
Sample 1797





Tek Run: 100kS/s

Sample 1792

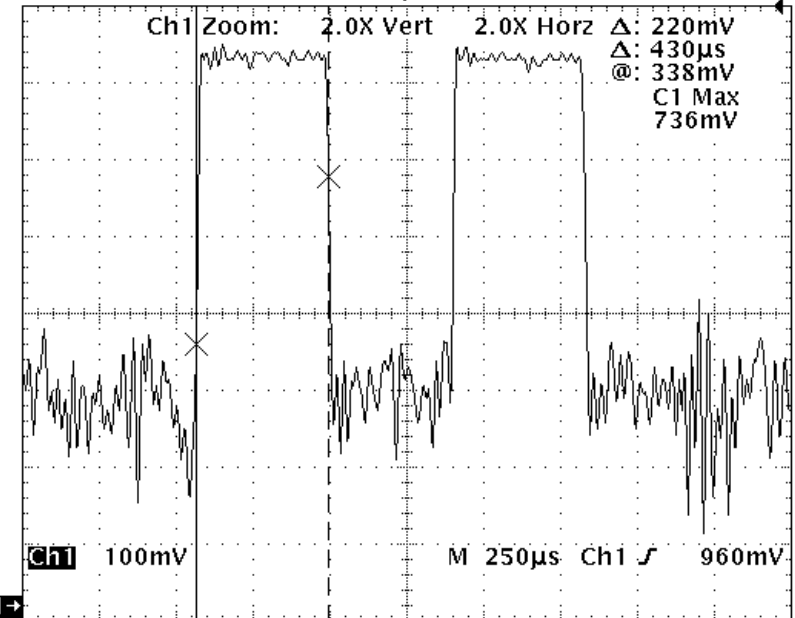




Tek Run: 100kS/s

Sample

1702



| Cursor Function |
|-----------------|
| Off |
| H Bars |
| V Bars |
| Paired |

1→

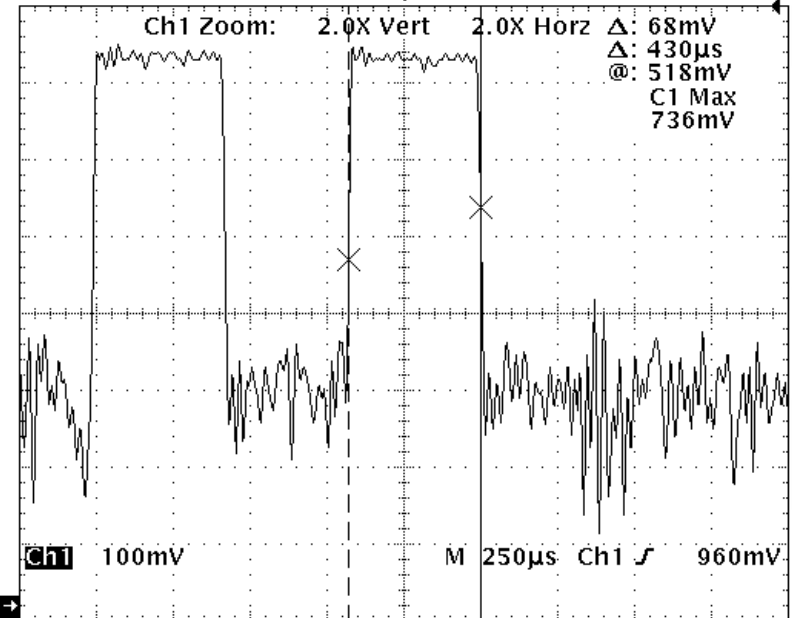
| Function | Mode | Time Units | Amplitude Units | | | |
|----------|-------|------------|-----------------|--|--|--|
| Paired | Indep | seconds | Base | | | |



Tek Run: 100kS/s

Sample

1792



Cursor
Function

Off

H Bars

V Bars

Paired

1→

Function
Paired

Mode
Indep

Time
Units
seconds

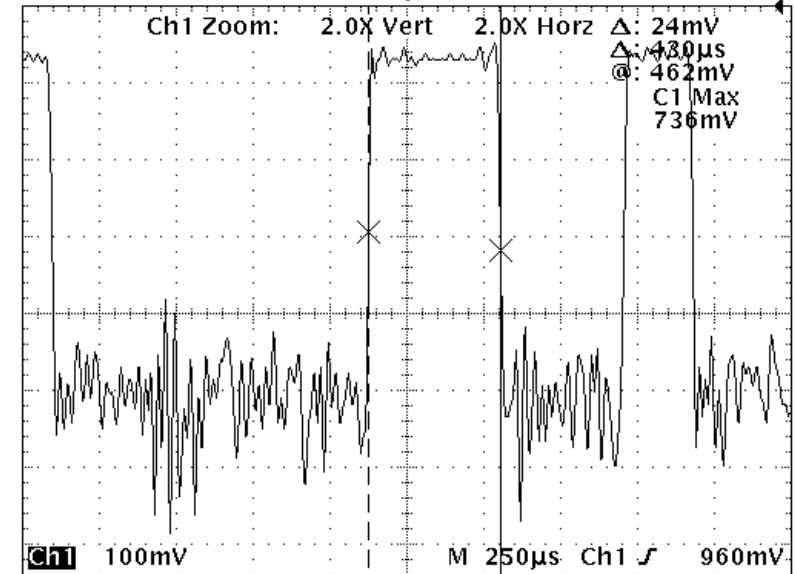
Amplitude
Units
Base



Tek Run: 100kS/s

Sample

1702



Cursor
Function

Off

H Bars

V Bars

Paired

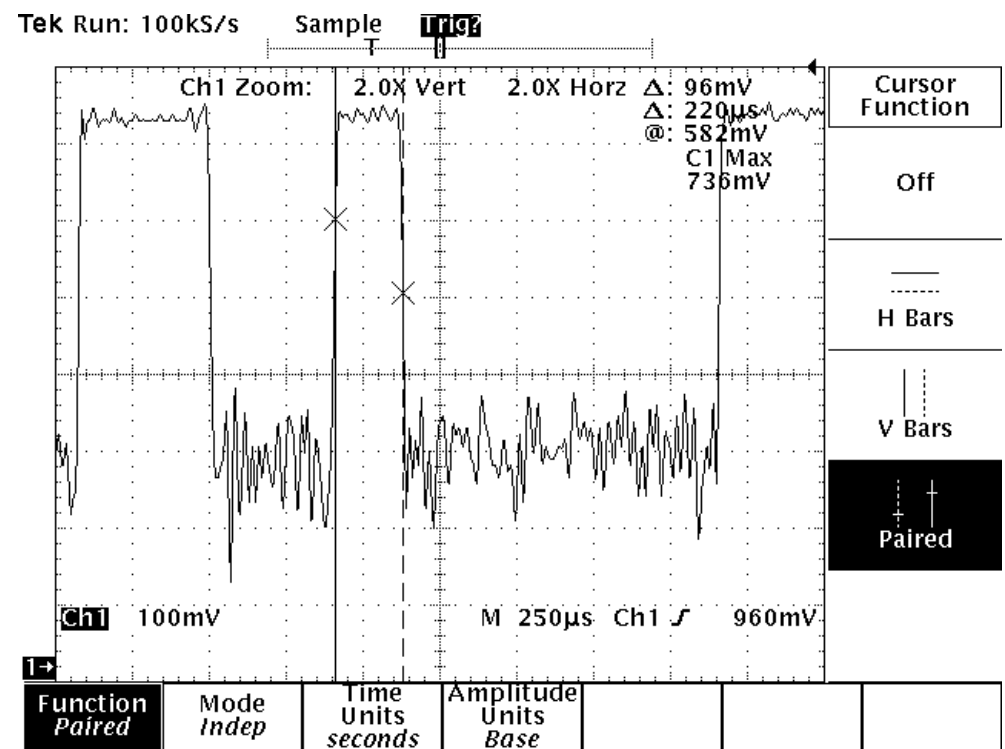
1→

Function
Paired

Mode
Indep

Time
Units
seconds

Amplitude
Units
Base

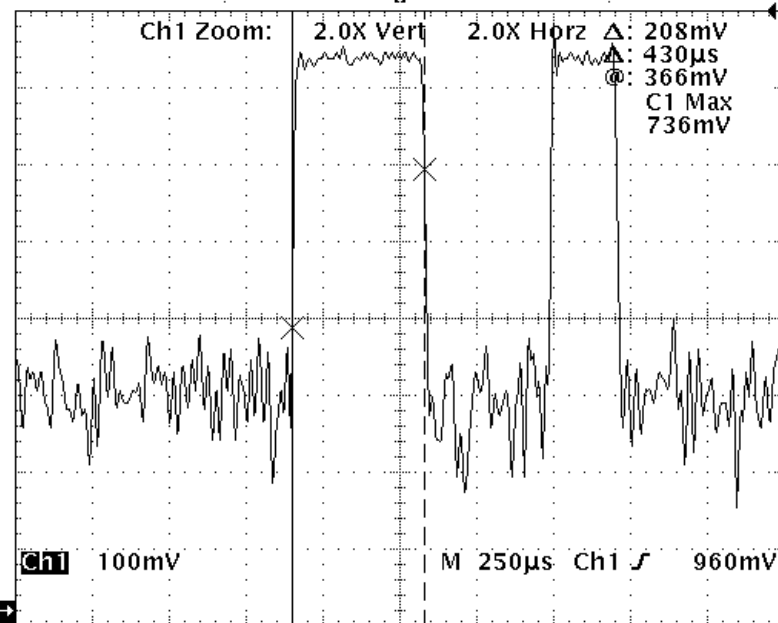




Tek Run: 100kS/s

Sample

1792



Cursor
Function

Off

H Bars

V Bars

Paired

1→

Function
Paired

Mode
Indep

Time
Units
seconds

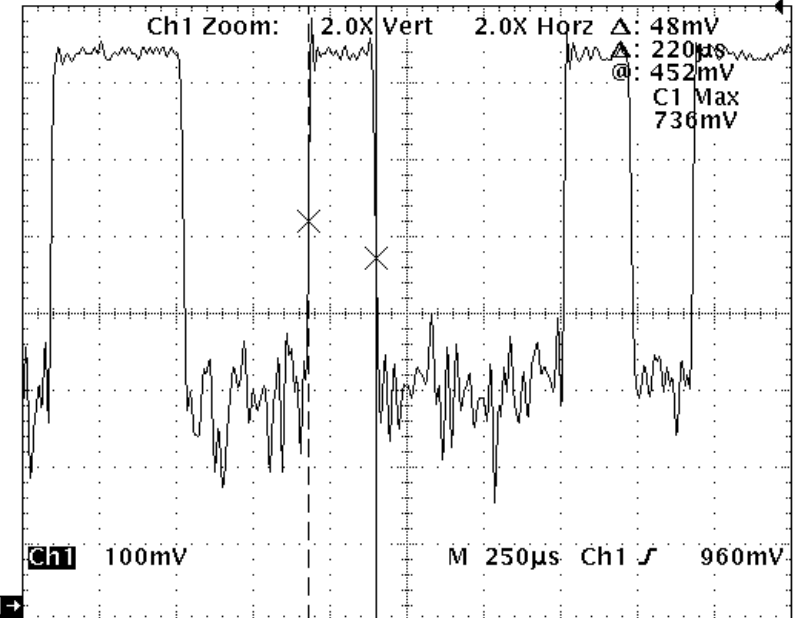
Amplitude
Units
Base



Tek Run: 100kS/s

Sample

1792



Cursor
Function

Off

H Bars

V Bars

Paired

1→

Function
Paired

Mode
Indep

Time
Units
seconds

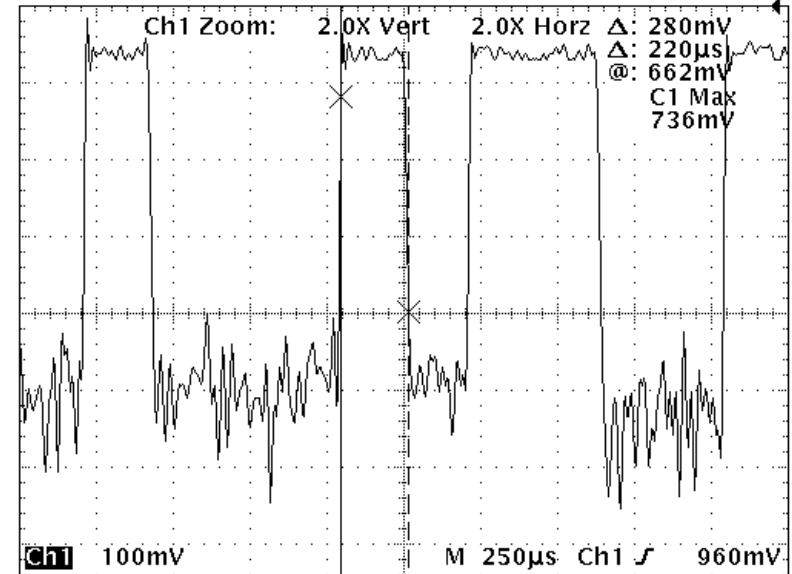
Amplitude
Units
Base



Tek Run: 100kS/s

Sample

1792



Cursor
Function

Off

H Bars

V Bars

Paired

1→

Function
Paired

Mode
Indep

Time
Units
seconds

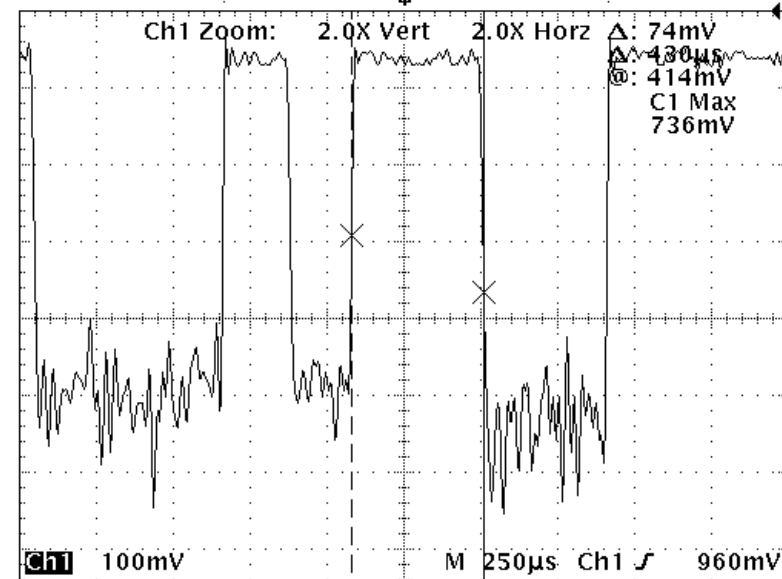
Amplitude
Units
Base



Tek Run: 100kS/s

Sample

1702



Cursor
Function

Off

H Bars

V Bars

Paired

1→

Function
Paired

Mode
Indep

Time
Units
seconds

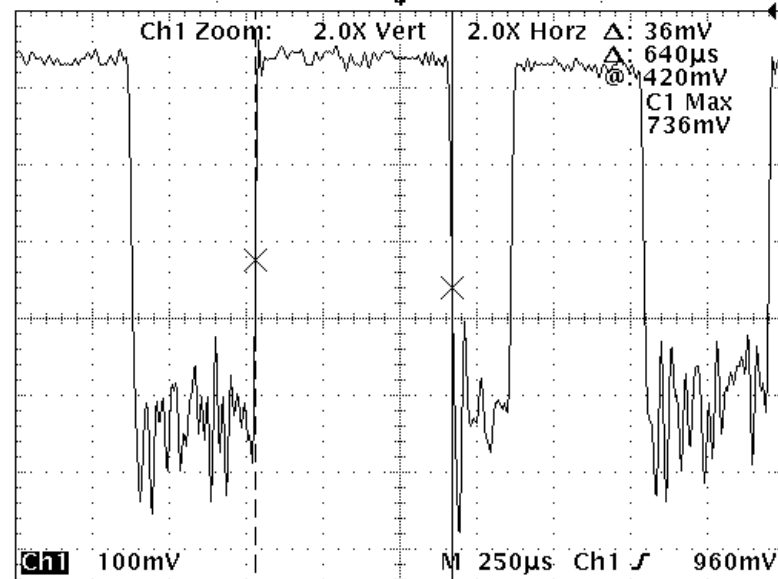
Amplitude
Units
Base



Tek Run: 100kS/s

Sample

1792



Cursor
Function

Off

H Bars

V Bars

Paired

1→

Function
Paired

Mode
Indep

Time
Units
seconds

Amplitude
Units
Base

Trig?

| |
|-----------------------------------|
| Amplitude Units <i>Base</i> |
|-----------------------------------|

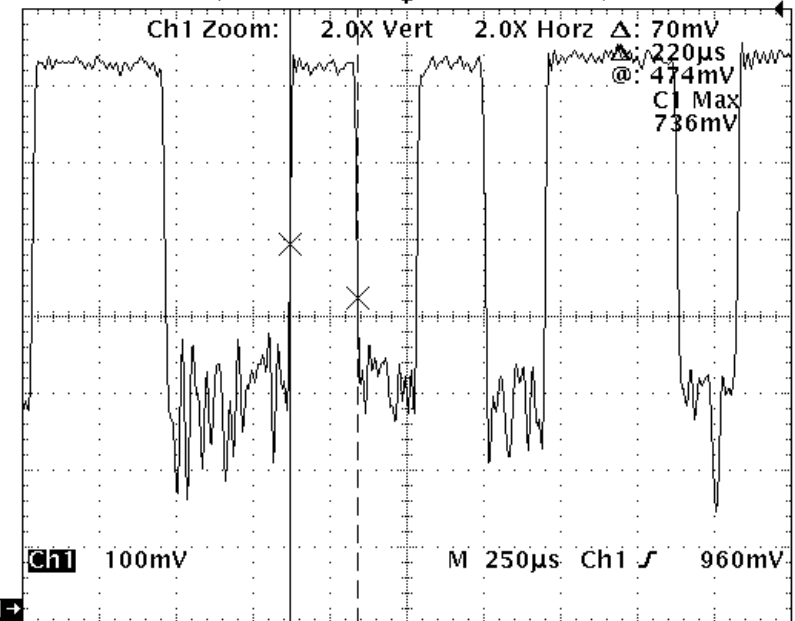




Tek Run: 100kS/s

Sample

1702



Cursor
Function

Off

H Bars

V Bars

Paired

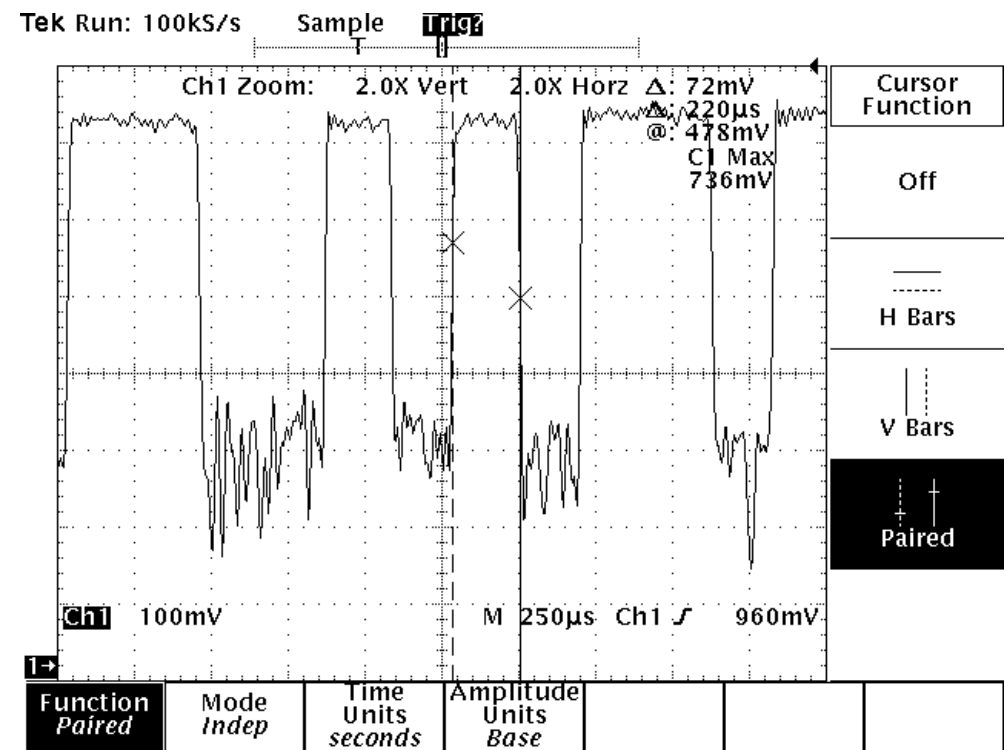
1→

Function
Paired

Mode
Indep

Time
Units
seconds

Amplitude
Units
Base

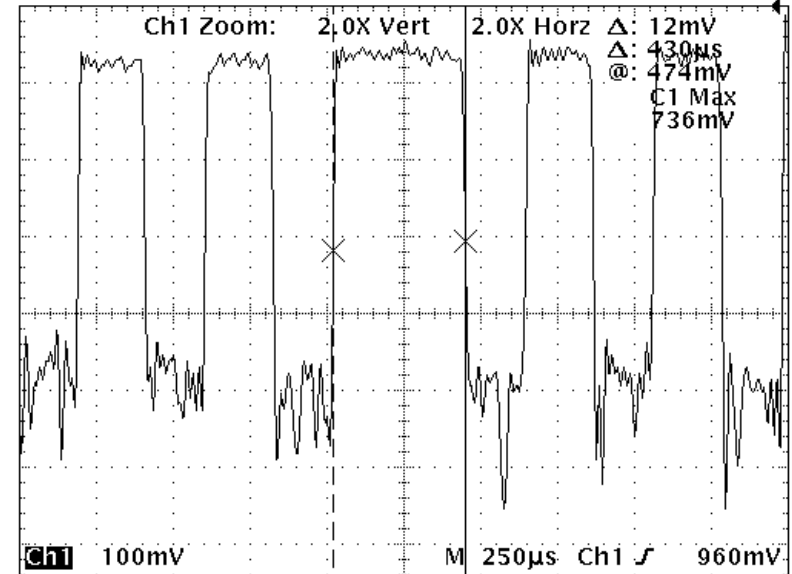




Tek Run: 100kS/s

Sample

1792



Cursor
Function

Off

H Bars

V Bars

Paired

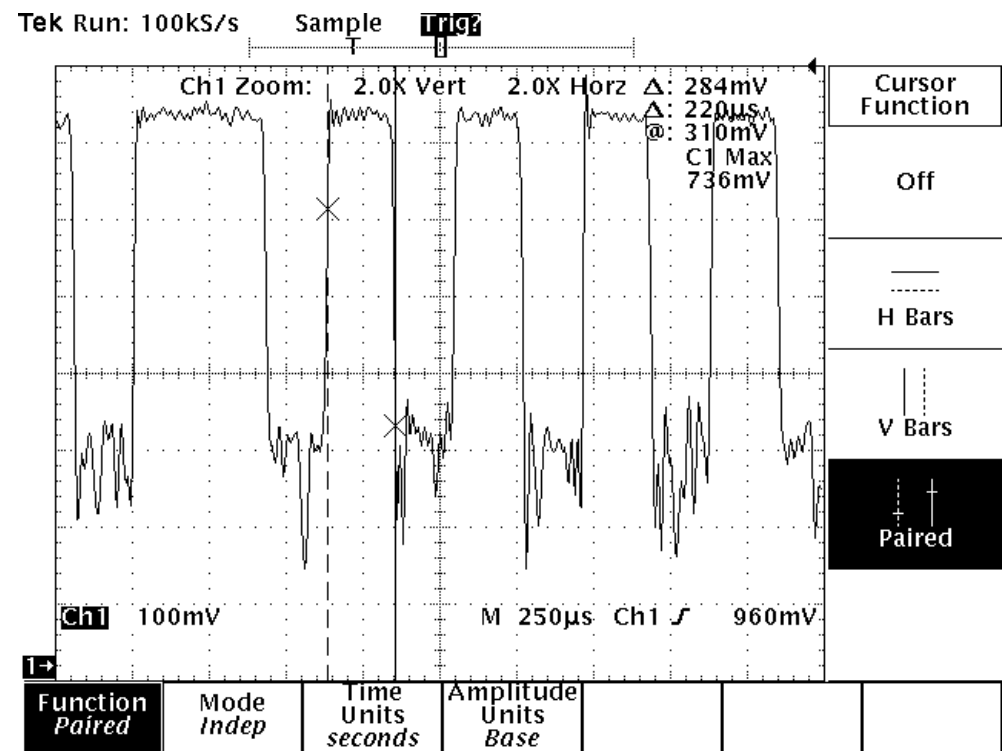
1→

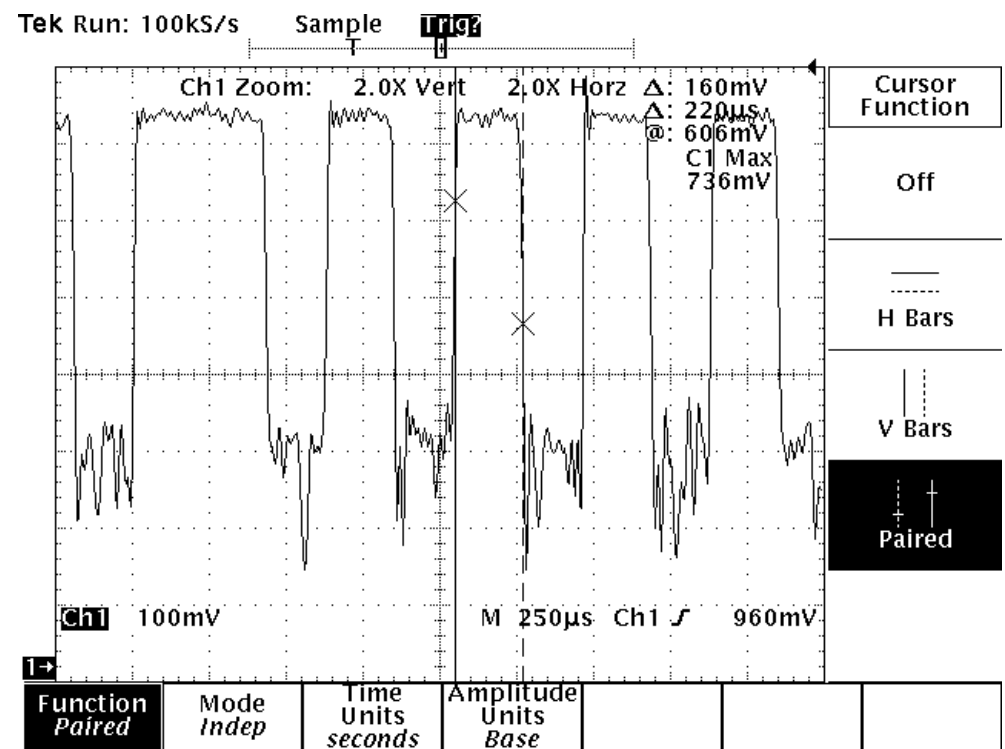
Function
Paired

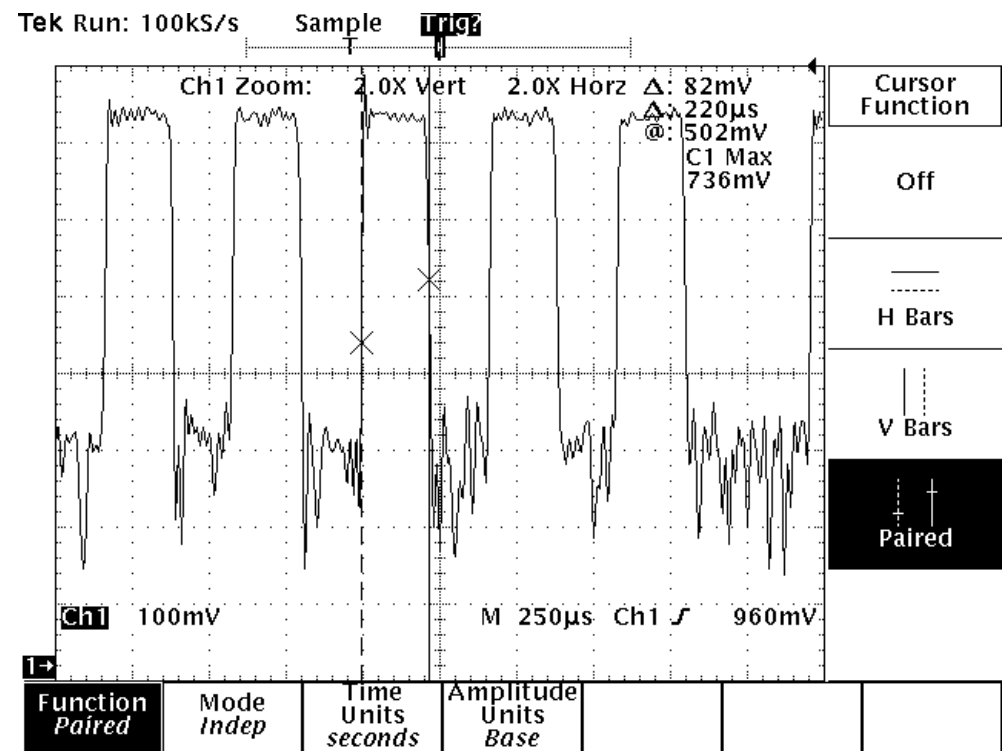
Mode
Indep

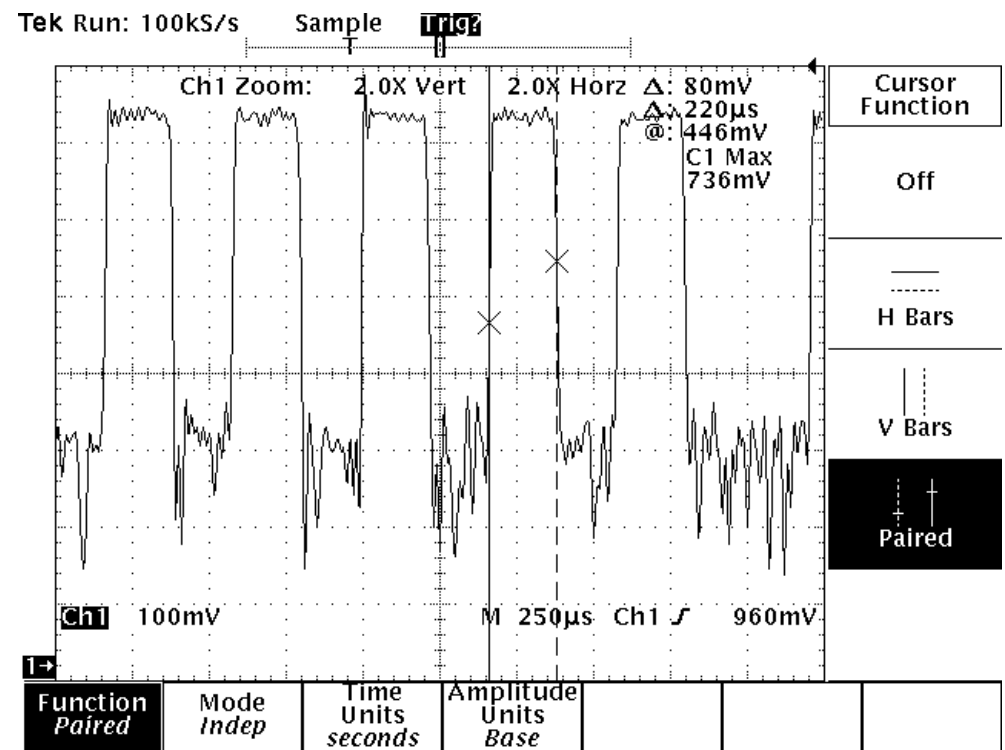
Time
Units
seconds

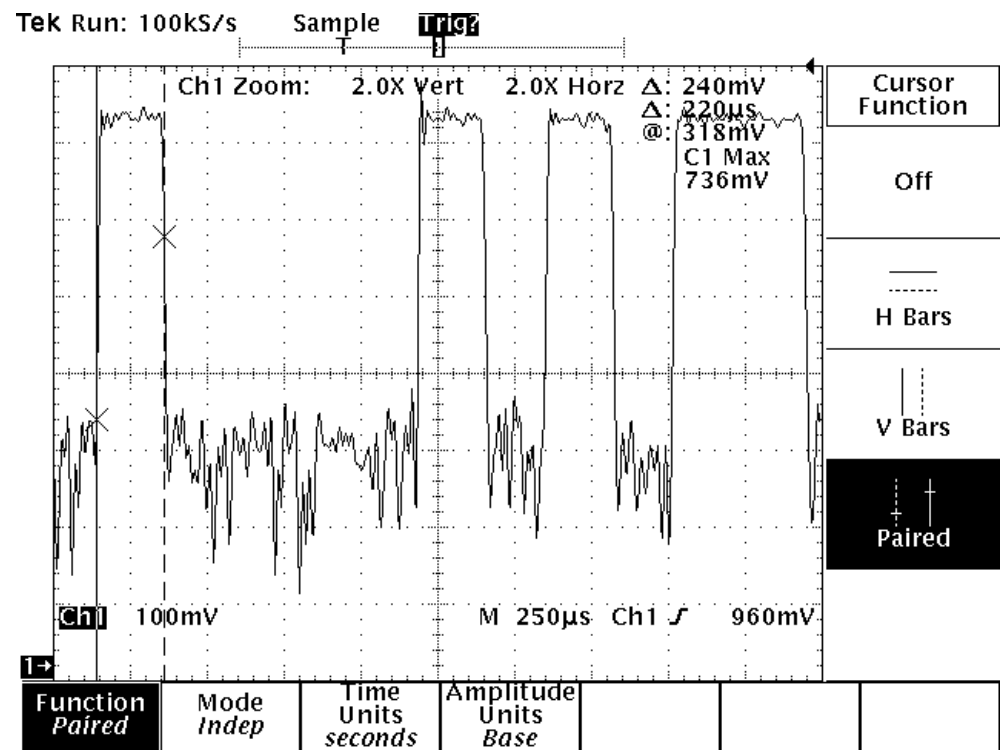
Amplitude
Units
Base

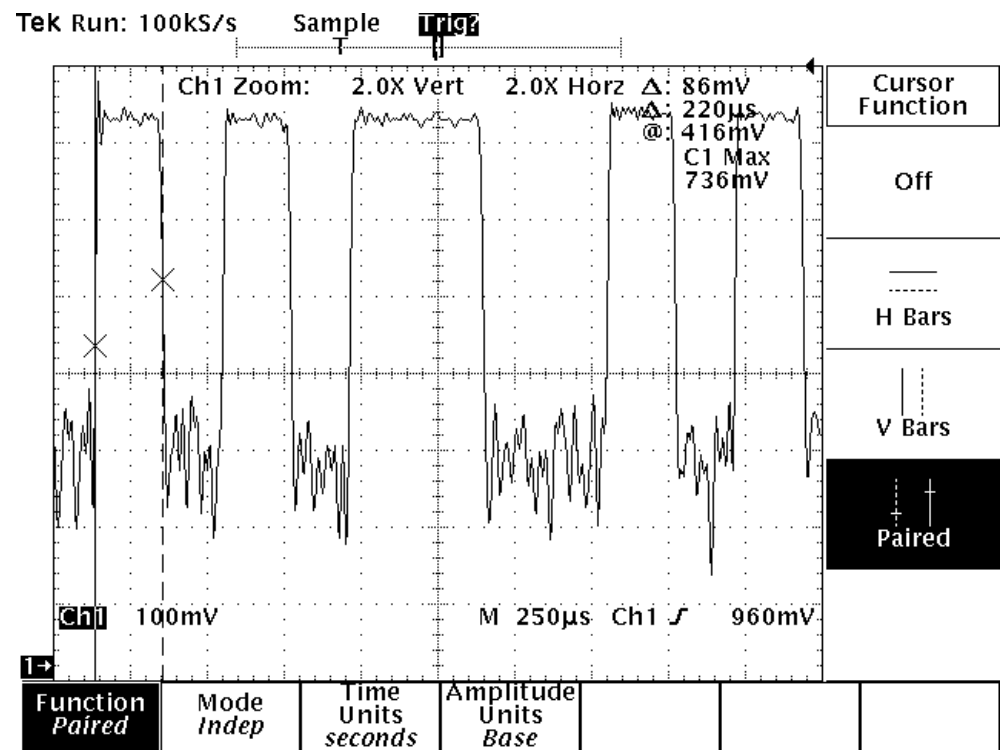


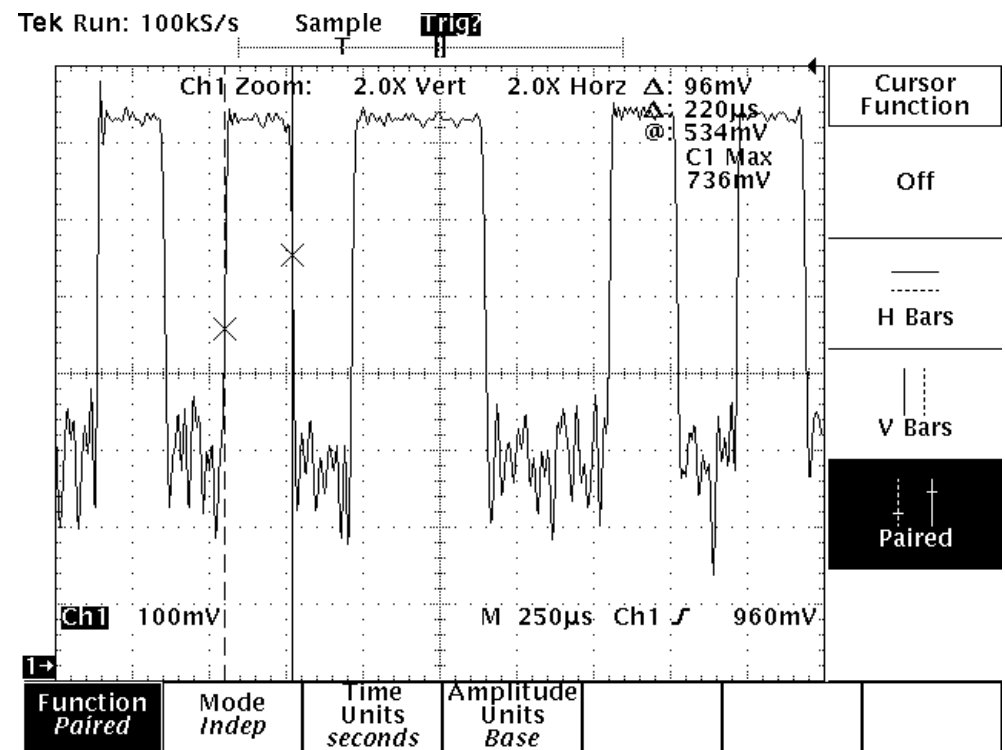


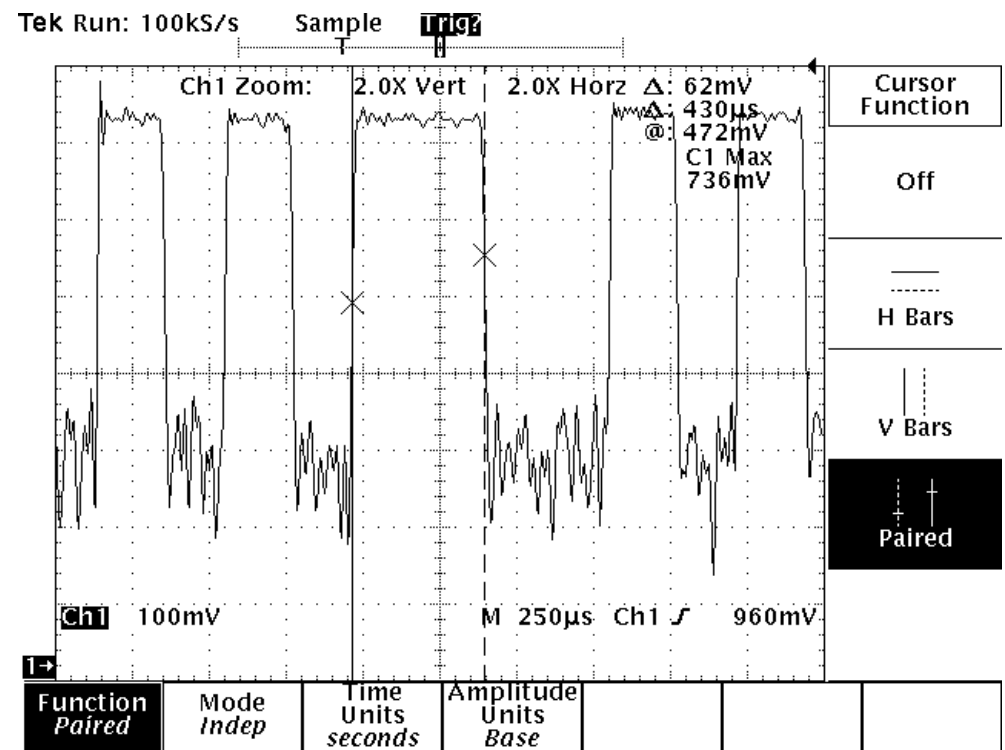


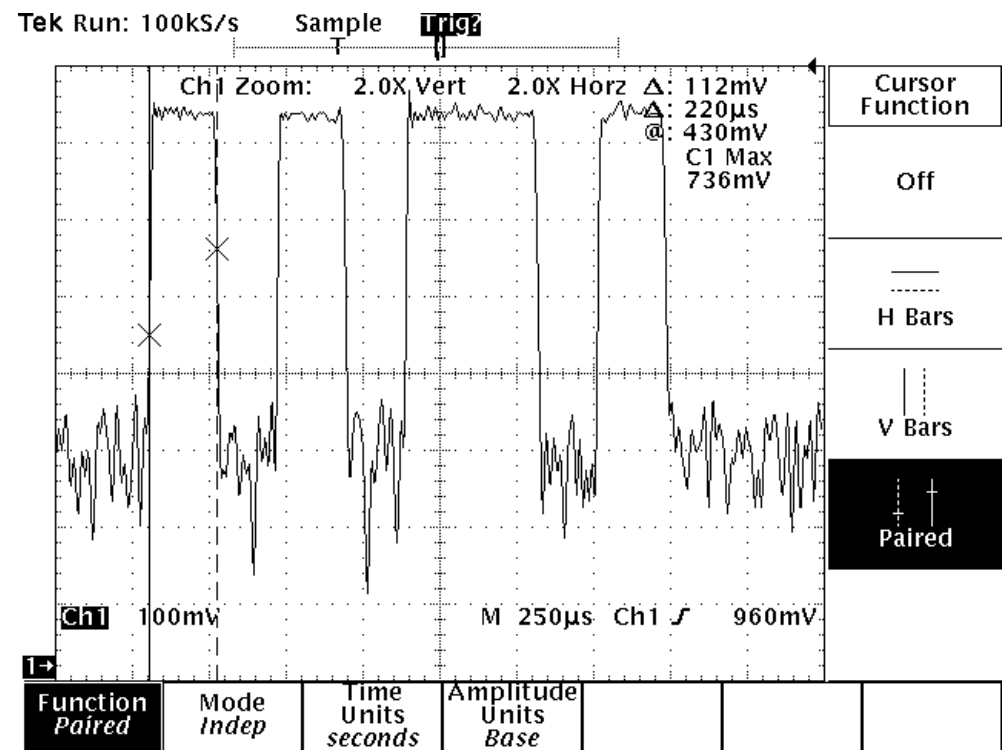


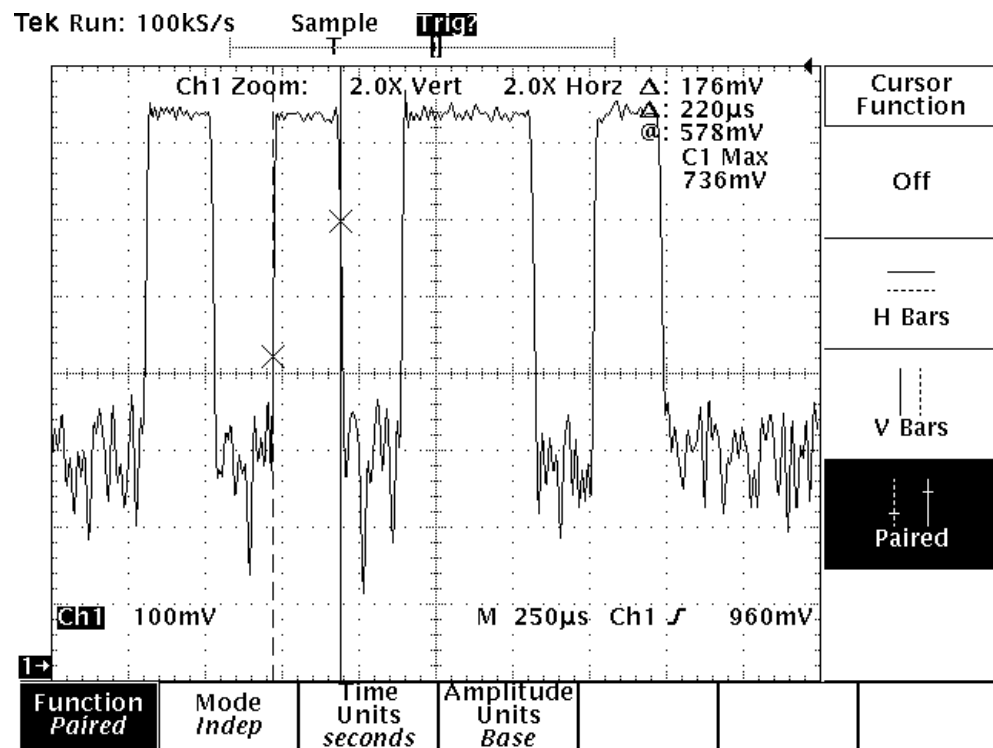


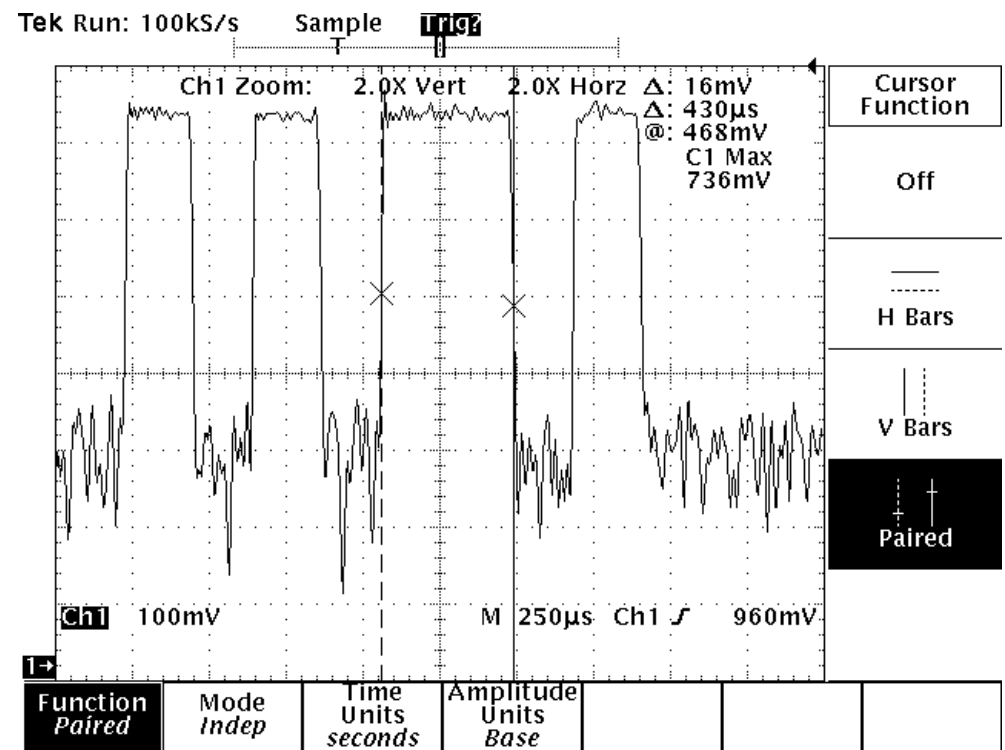


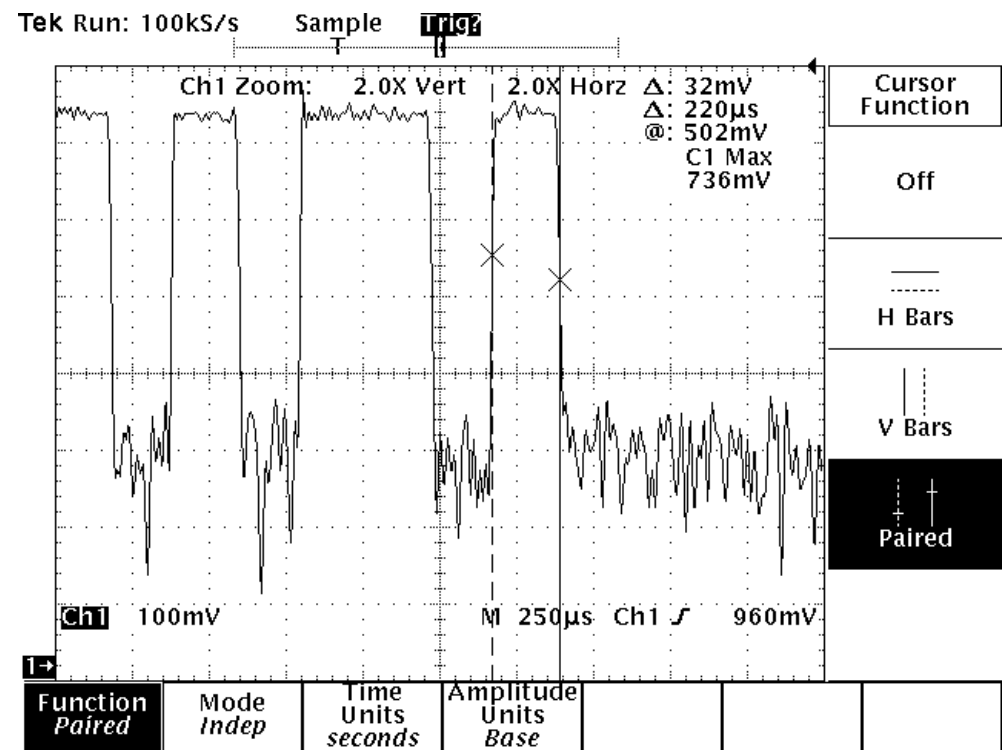


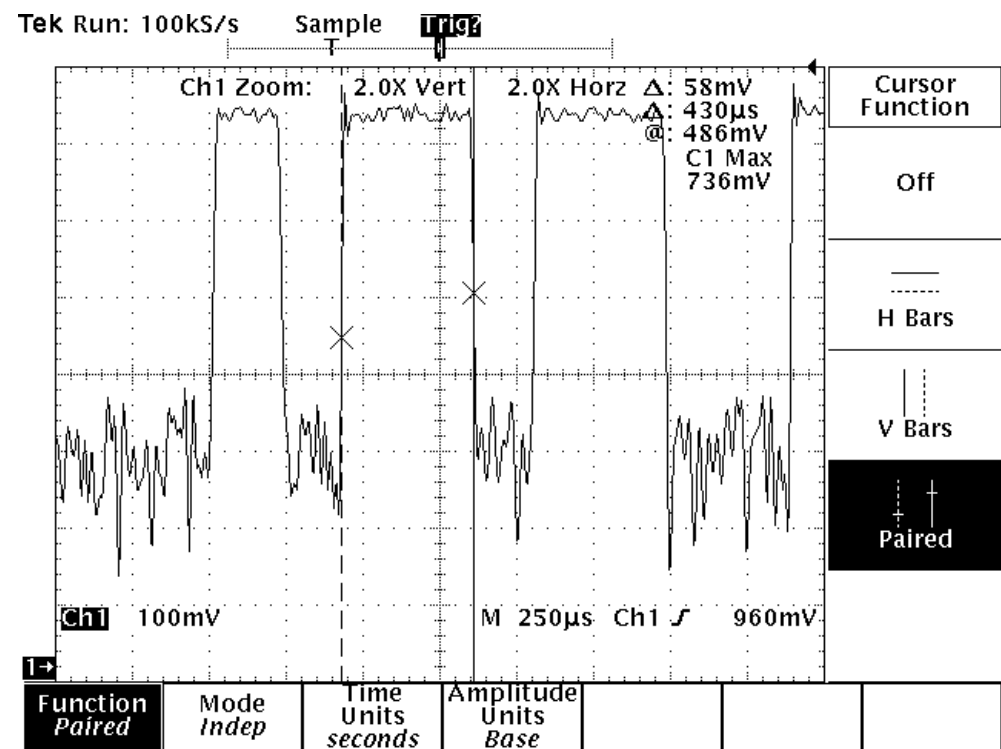


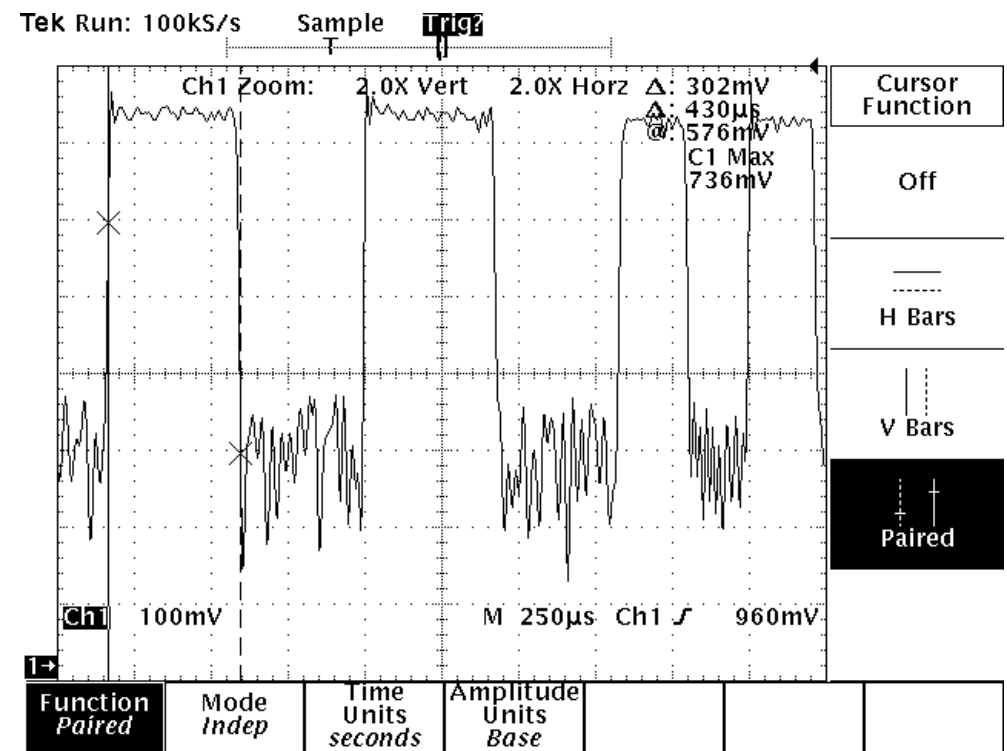






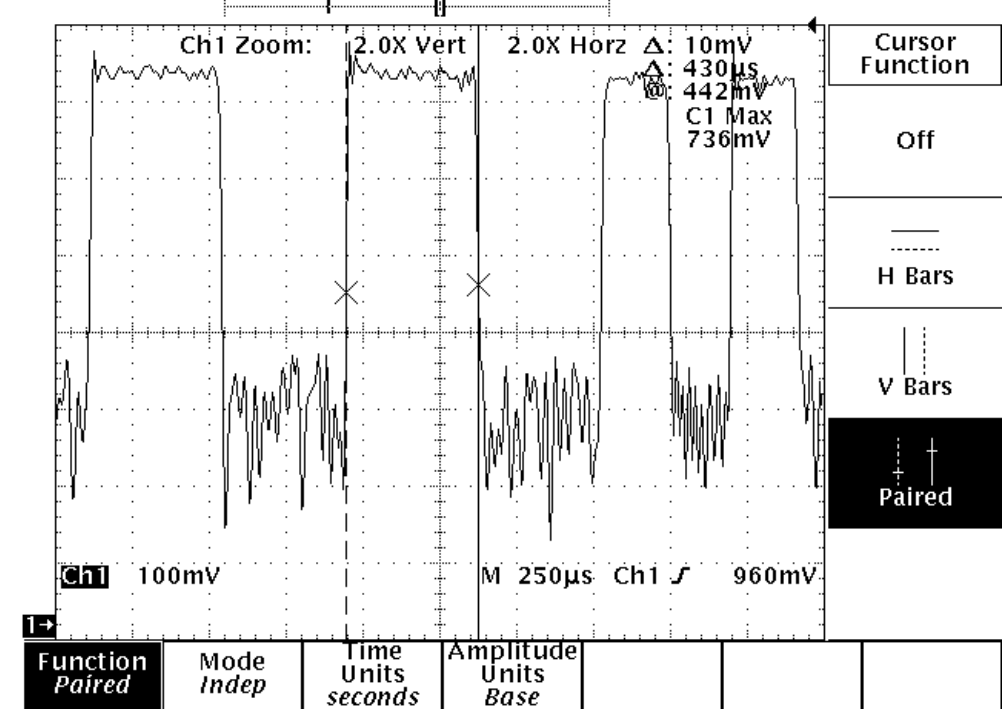






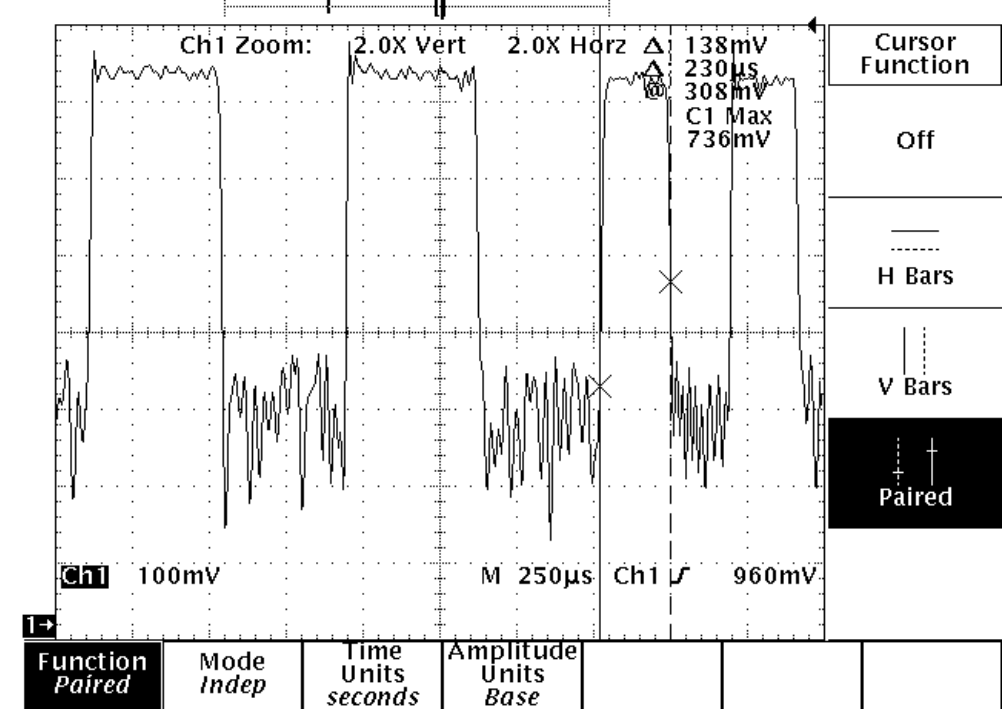


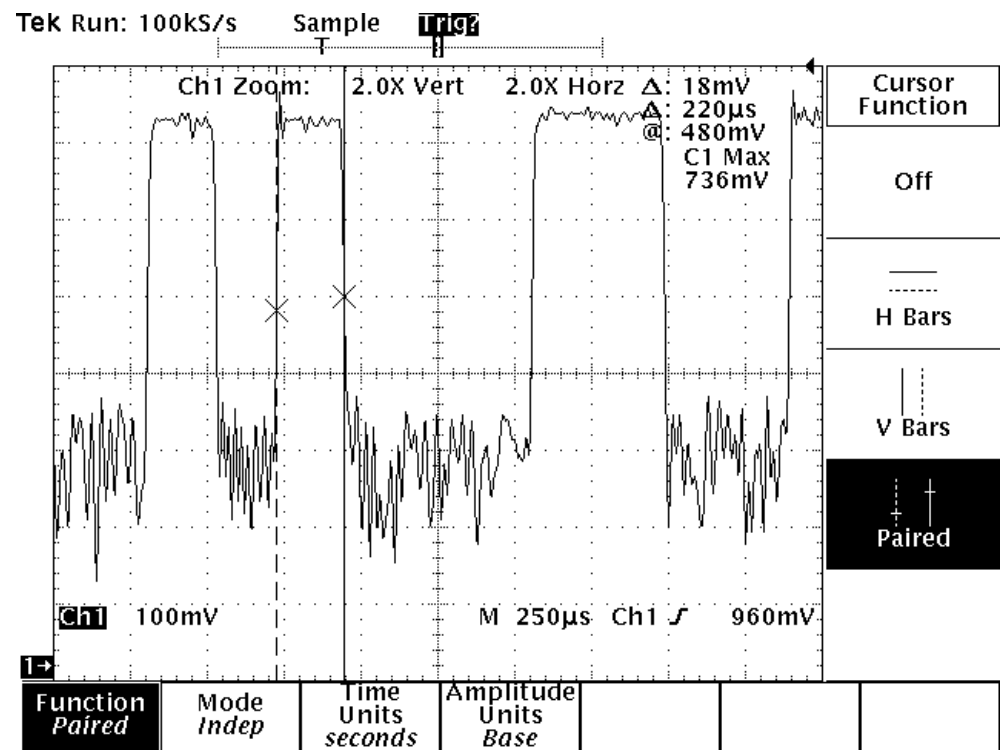
Tek Run: 100kS/s Sample 1792

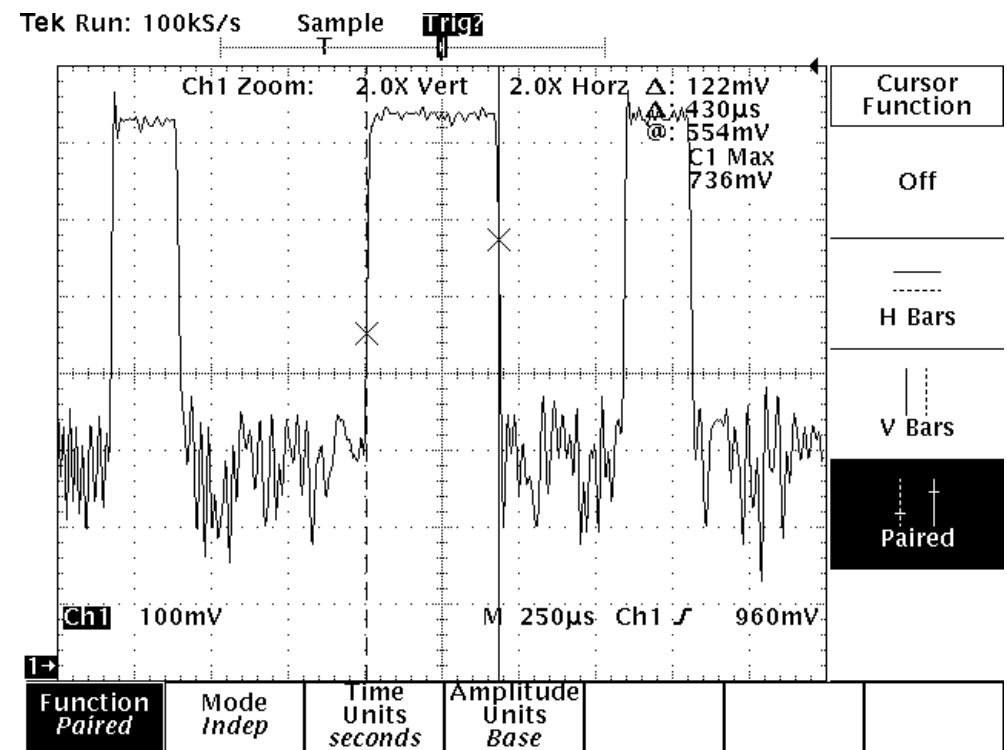


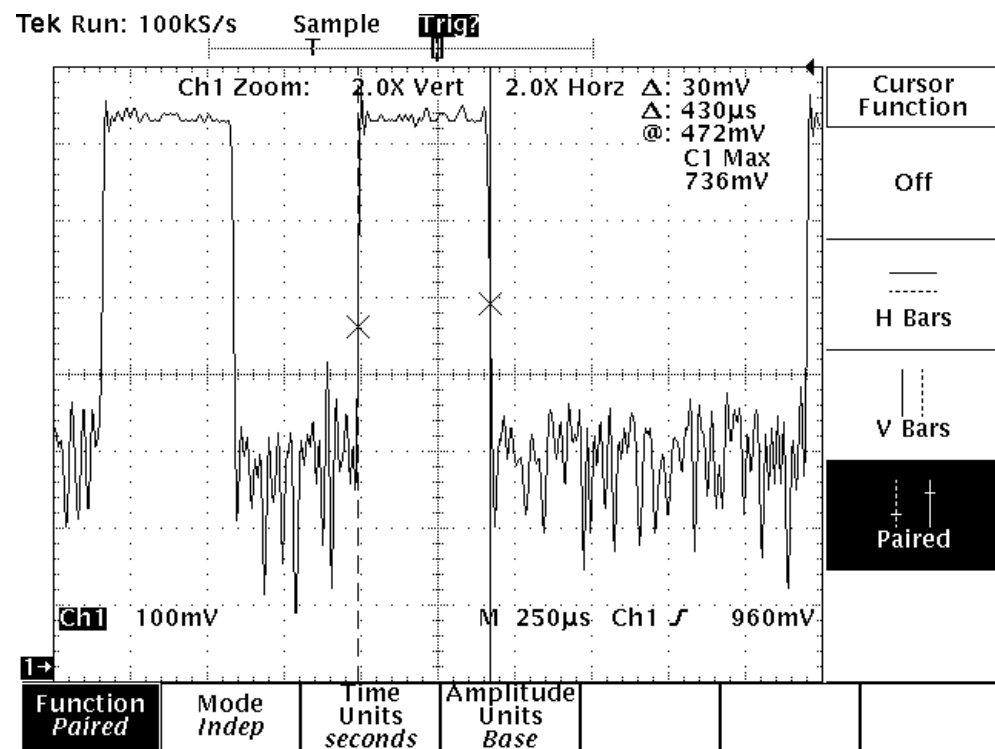


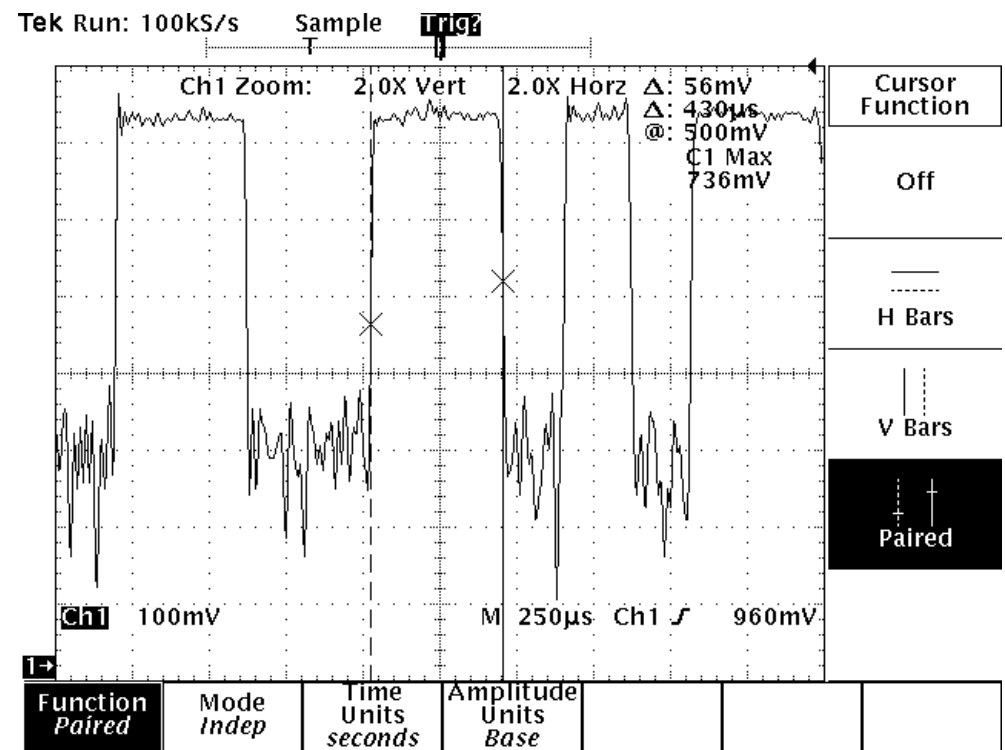
Tek Run: 100kS/s Sample 1792

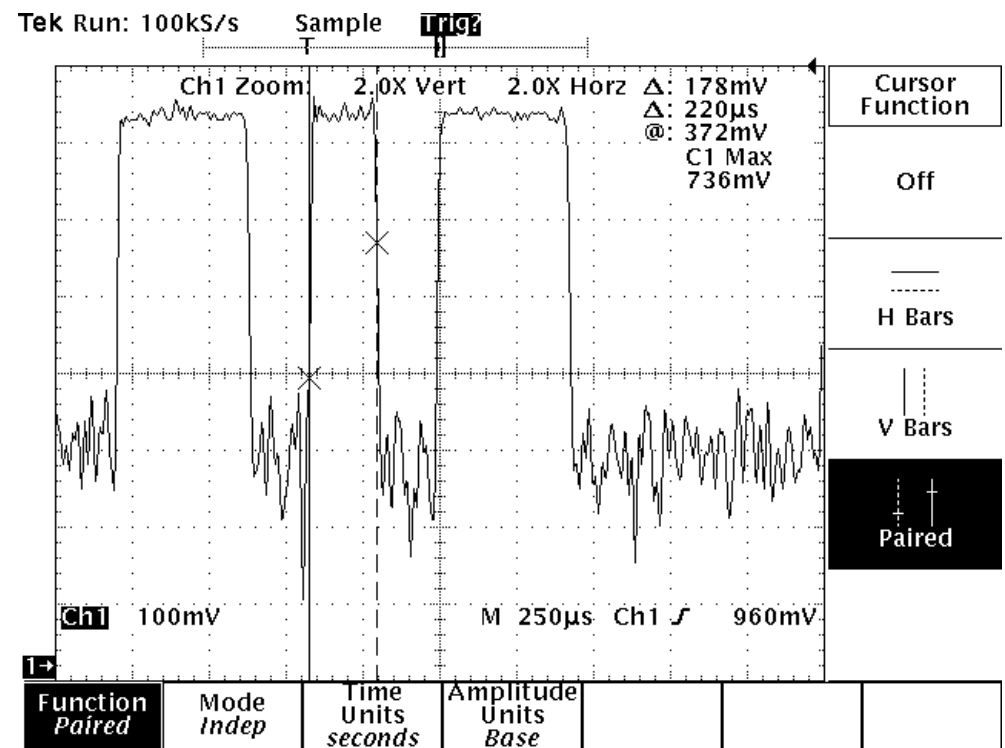


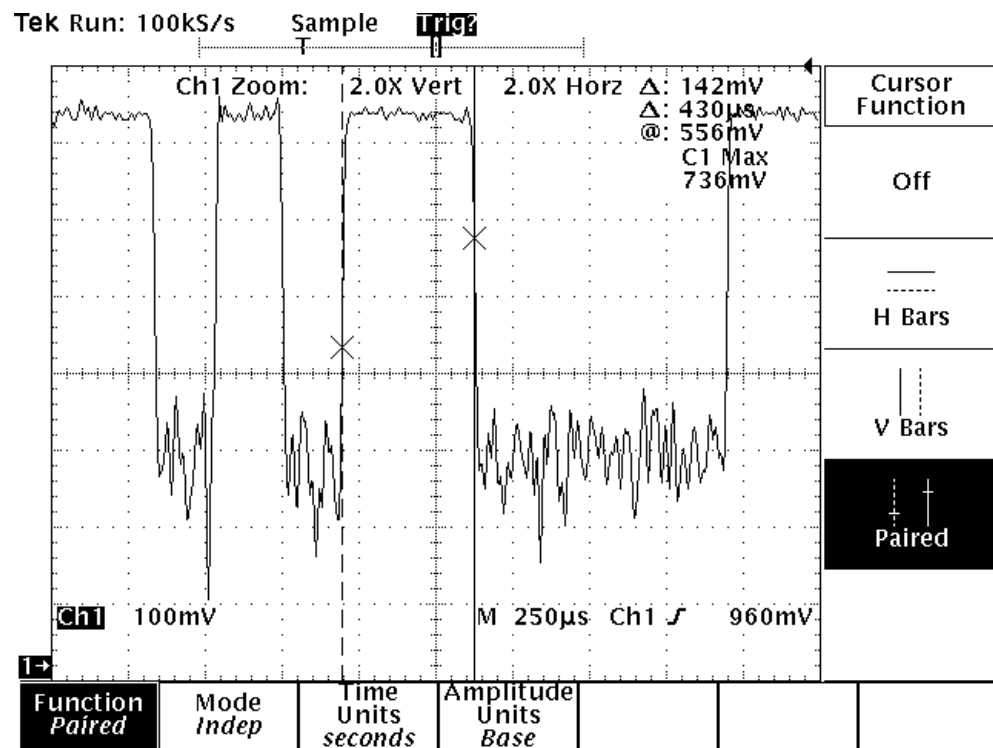


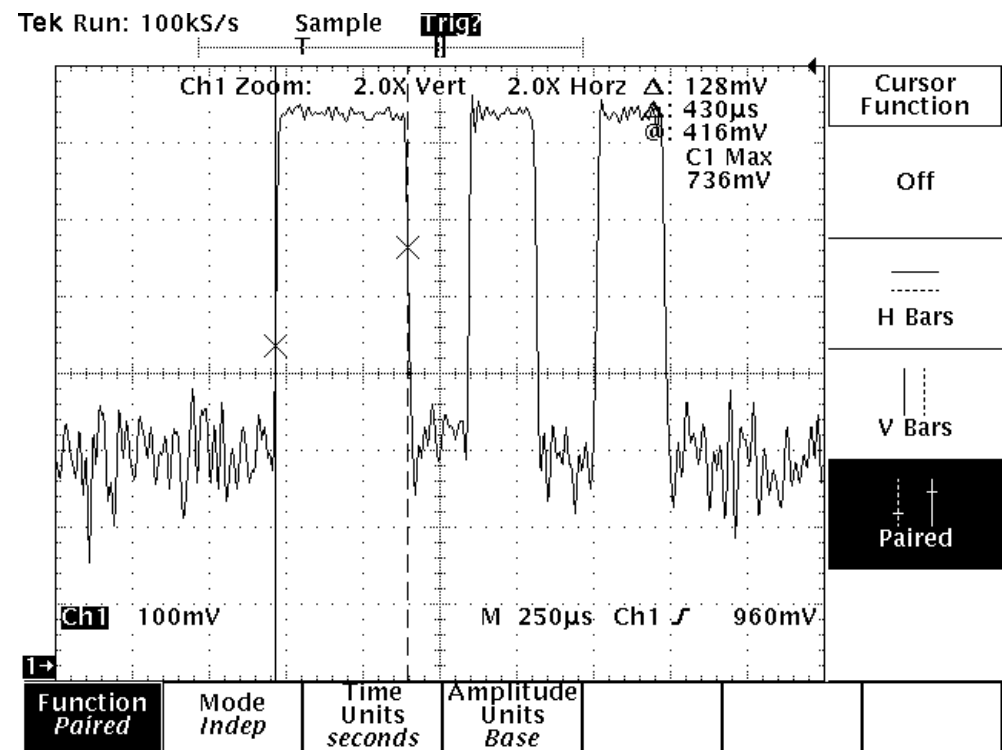


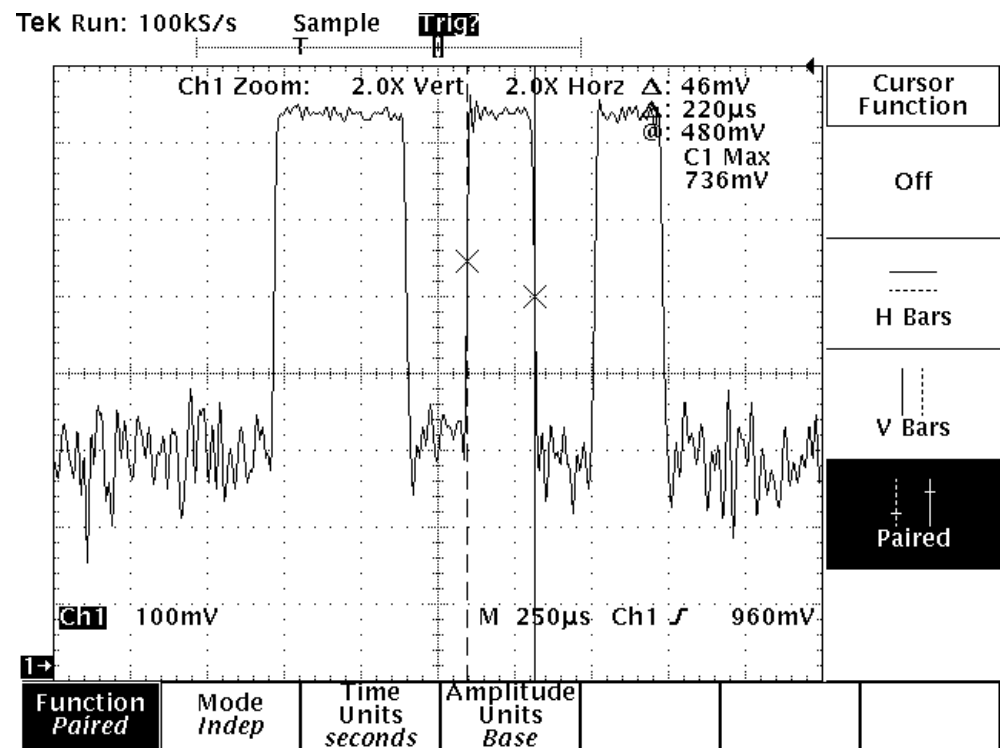


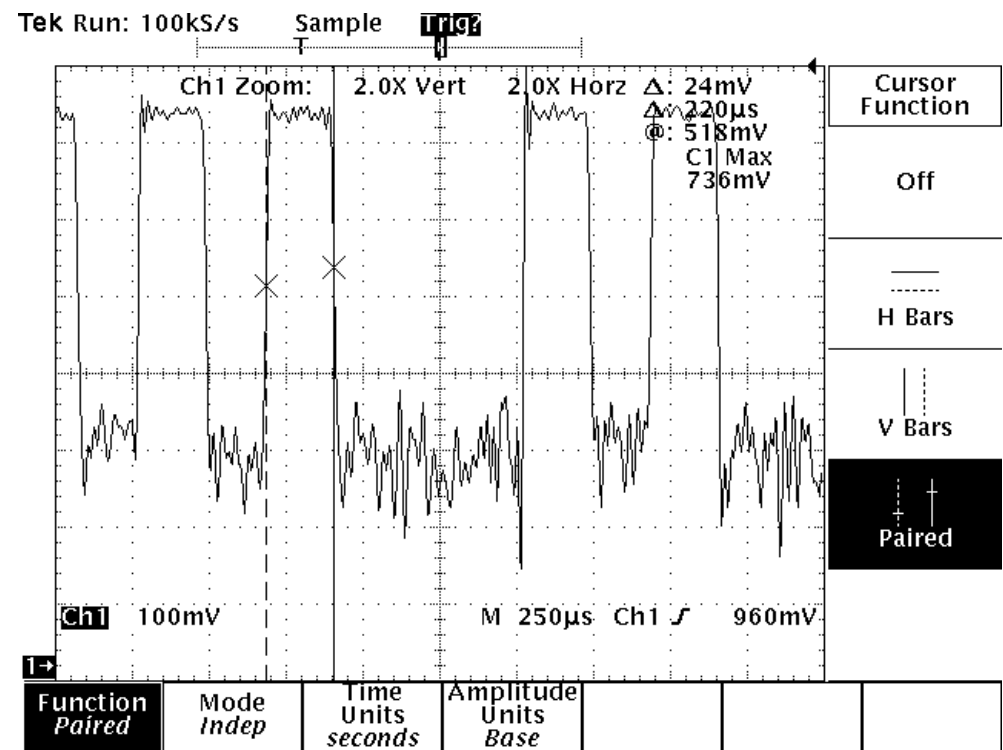






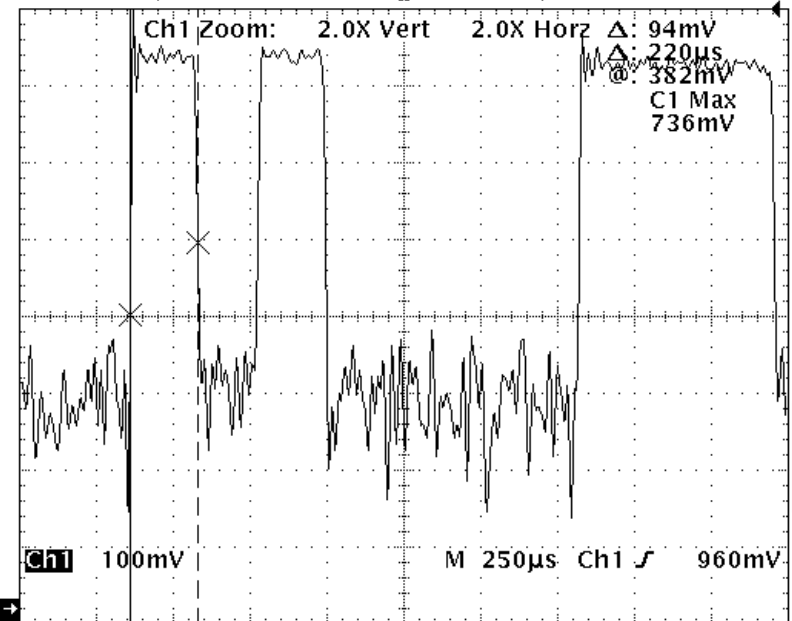








Tek Run: 100kS/s Sample 1797



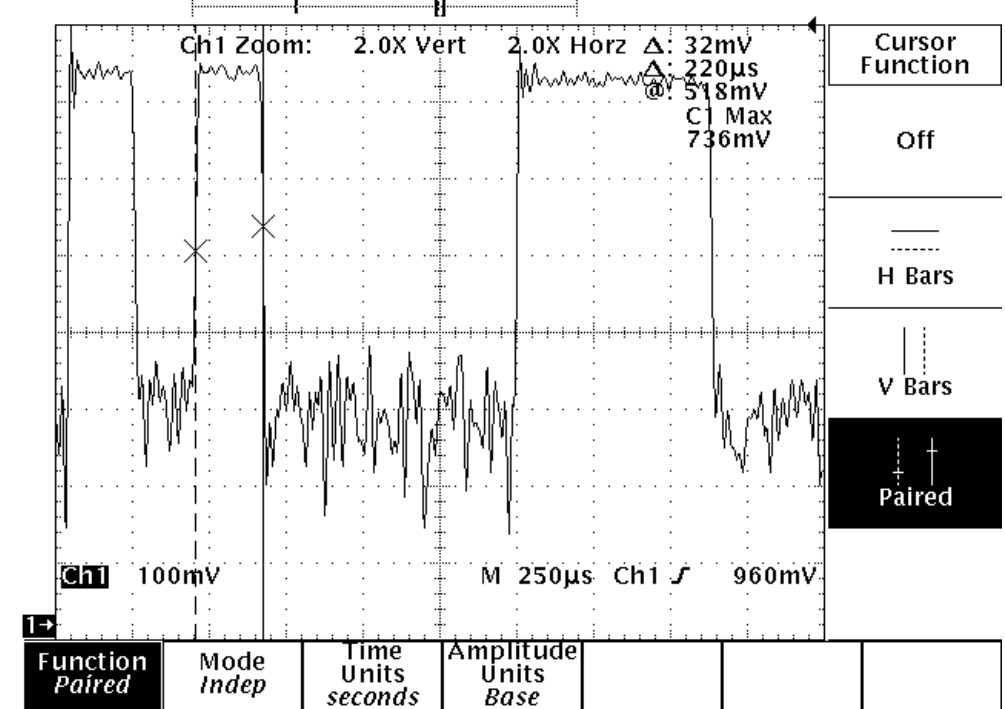
| |
|-----------------|
| Cursor Function |
| Off |
| H Bars |
| V Bars |
| Paired |

1→

| Function | Mode | Time Units | Amplitude Units | | | |
|----------|-------|------------|-----------------|--|--|--|
| Paired | Indep | seconds | Base | | | |

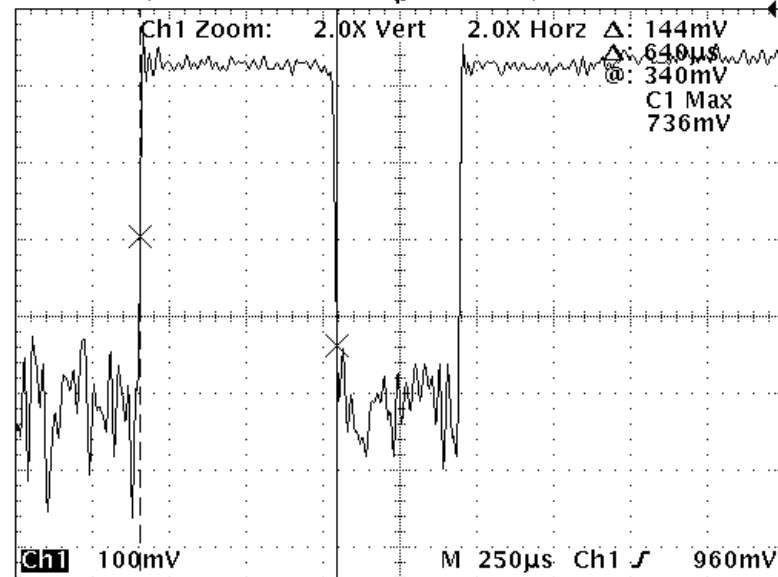


Tek Run: 100kS/s Sample 1792





Tek Run: 100kS/s Sample 1792



Cursor
Function

Off

H Bars

V Bars

Paired

1→

Function
Paired

Mode
Indep

Time
Units
seconds

Amplitude
Units
Base



Tek Run: 100kS/s Sample 1792

