Fast Pulsed Lickers for some slow extraction schemes (see also doc-3944)

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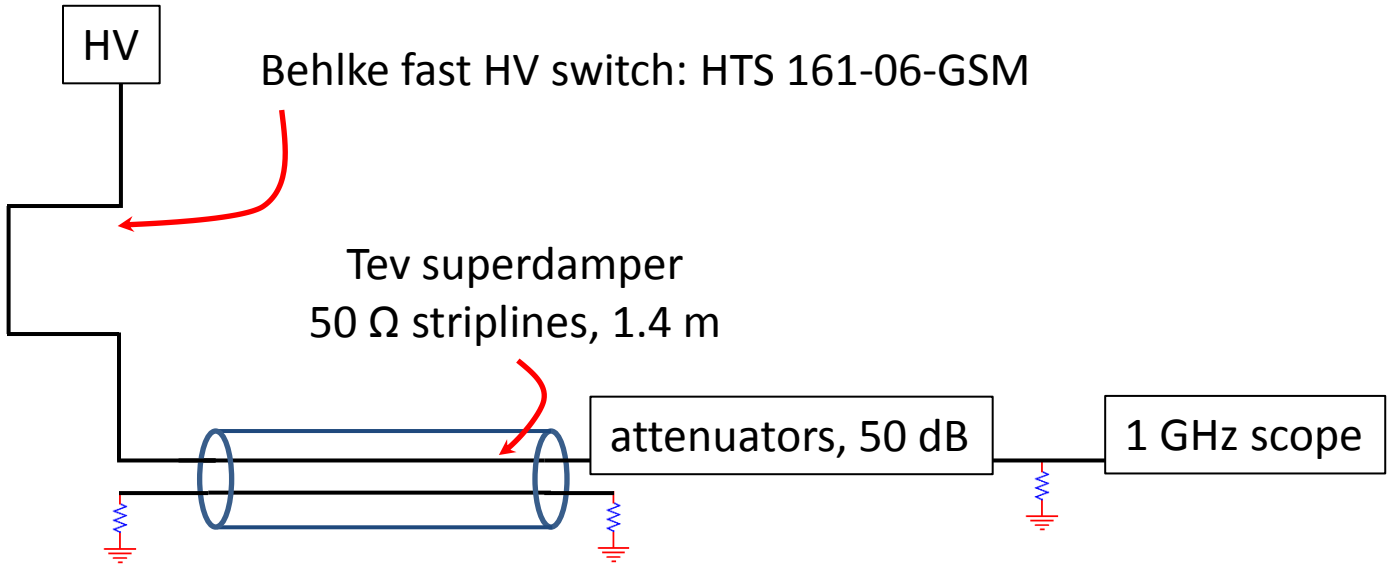
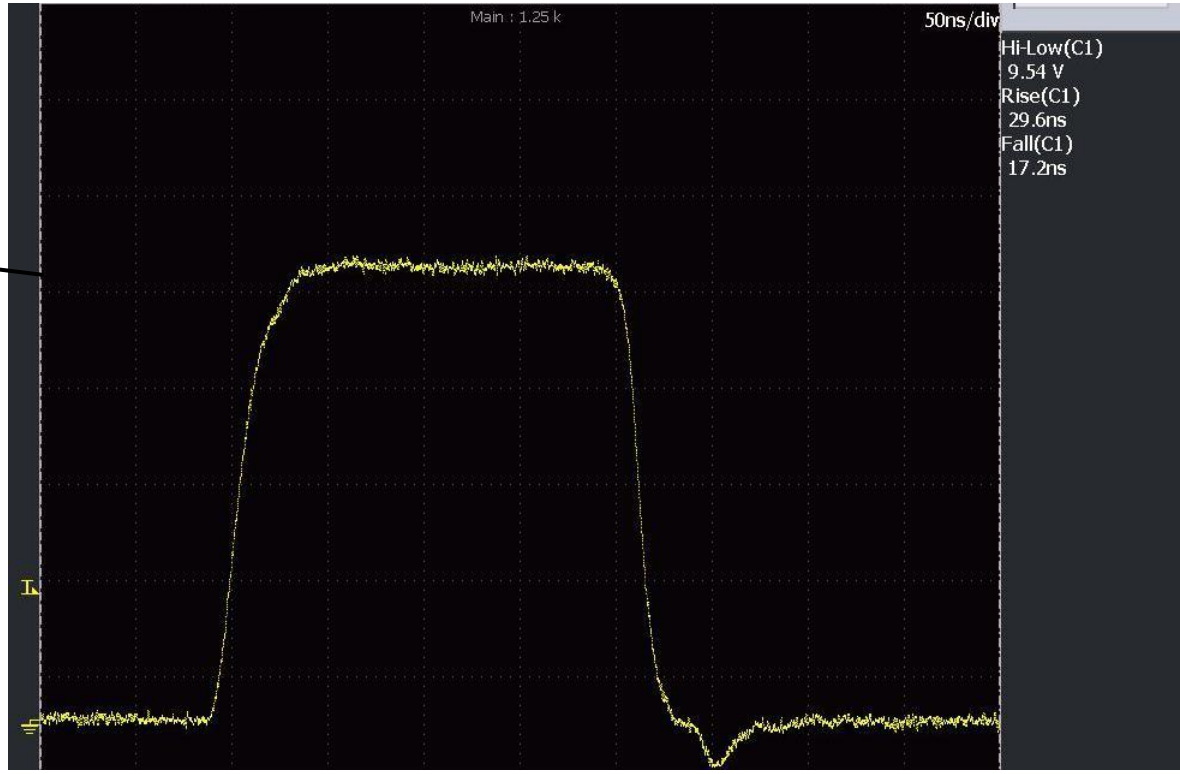
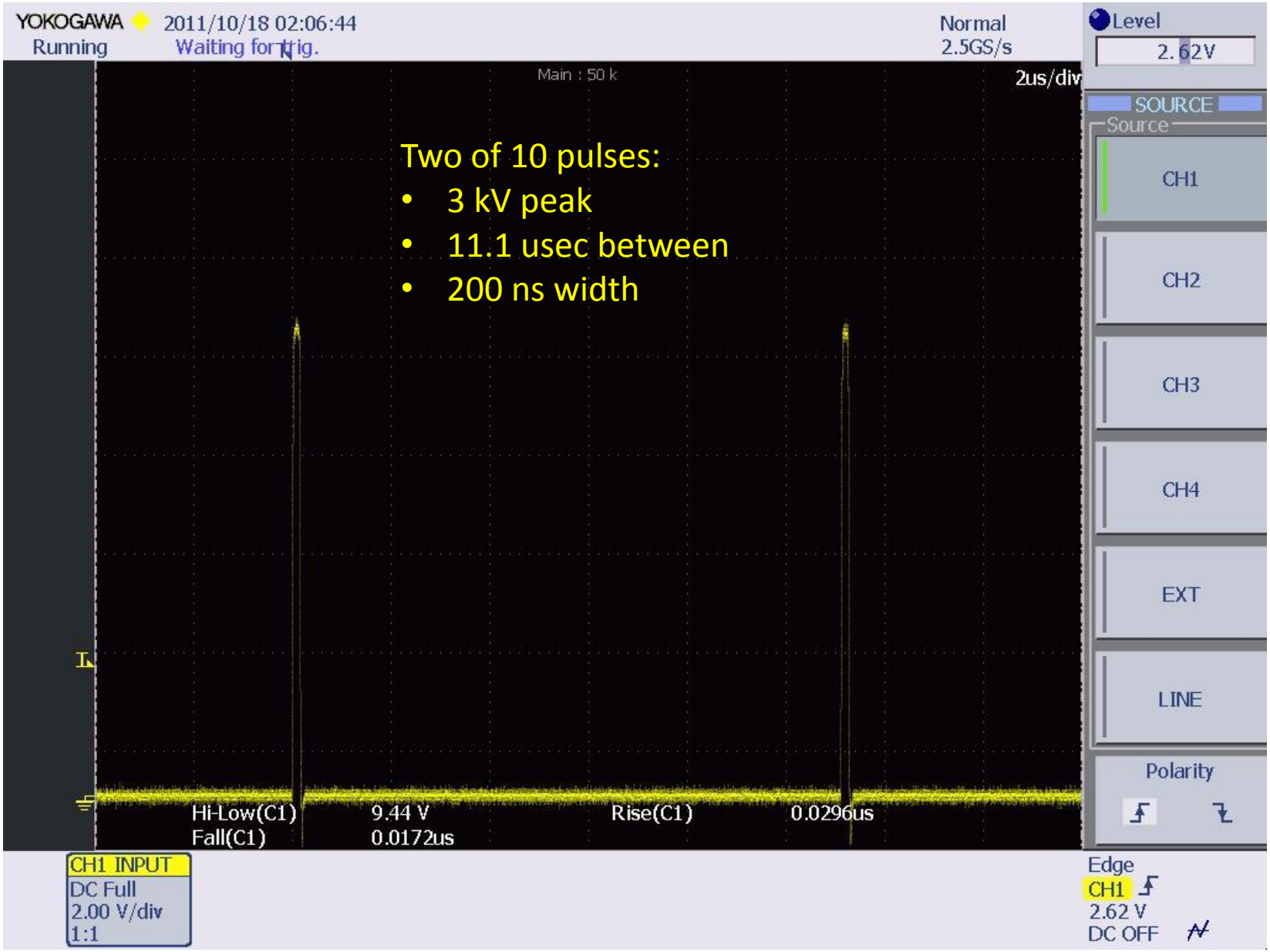
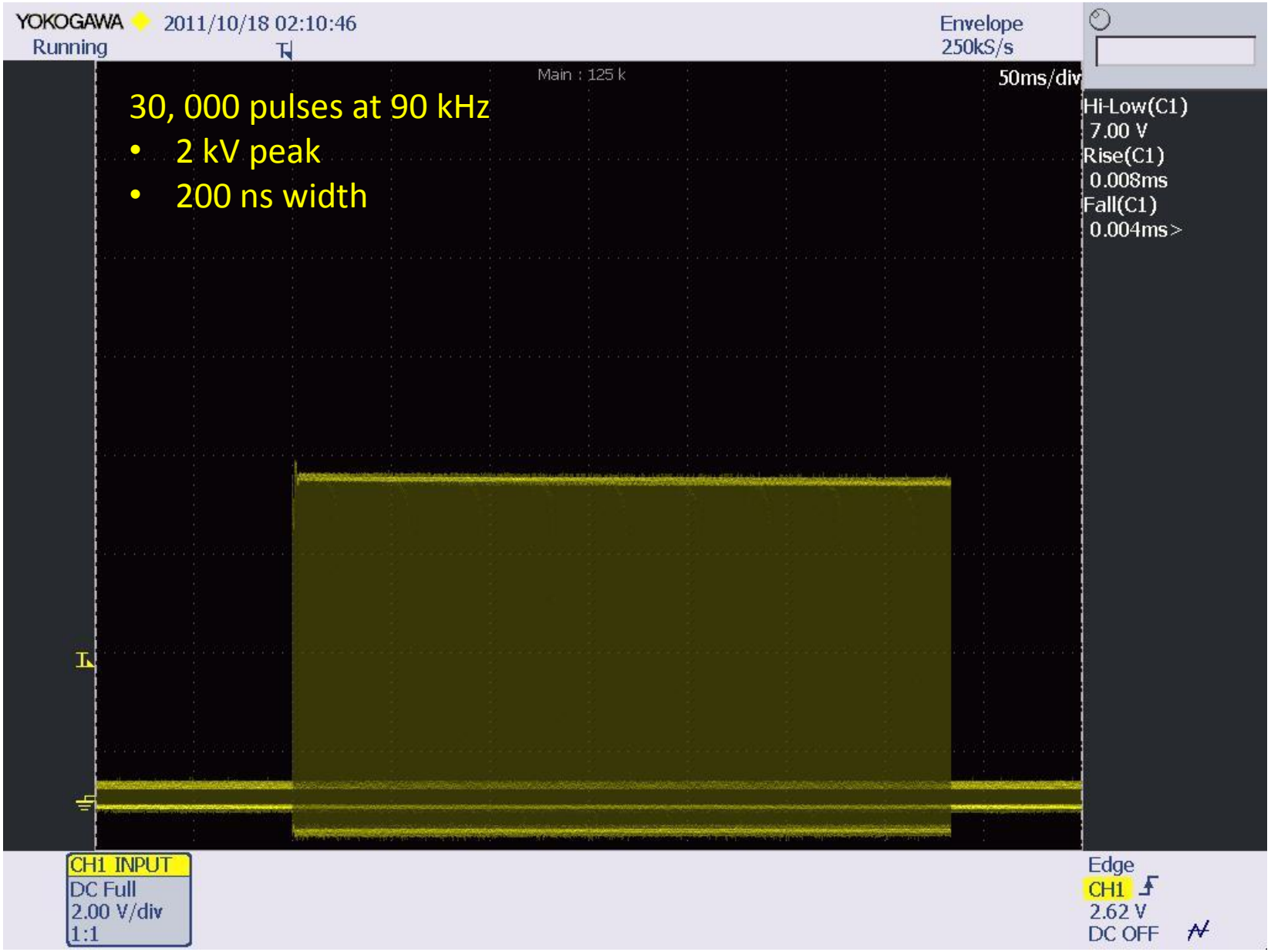
Setup:



- One pulse out at peak Current of 60 A
- Vout = 3 kV
- Pulse width = 200 ns (min pulse width for this particular switch)




YOKOGAWA
2011/10/18 02:06:44
Running
Waiting for trig.
Normal
2.5GS/s
Level
2.62V
Main : 50 k
2us/div
SOURCE
Source
CH1
CH2
CH3
CH4
EXT
LINE
Polarity
Two of 10 pulses:
• 3 kV peak
• 11.1 usec between
• 200 ns width
Hi-Low(C1)
Fall(C1)
9.44 V
0.0172us
Rise(C1)
0.0296us
CH1 INPUT
DC Full
2.00 V/div
1:1
Edge
CH1
2.62 V
DC OFF


YOKOGAWA
2011/10/18 02:10:46
Running
Envelope
250kS/s
Main : 125 k
50ms/div
30, 000 pulses at 90 kHz
• 2 kV peak
• 200 ns width
Hi-Low(C1)
7.00 V
Rise(C1)
0.008ms
Fall(C1)
0.004ms>
CH1 INPUT
DC Full
2.00 V/div
1:1
Edge
CH1
2.62 V
DC OFF