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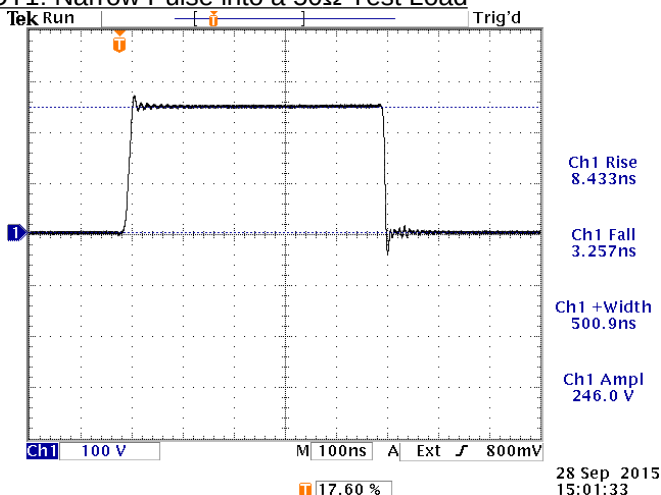
BOX 5120, LCD MERIVALE  
OTTAWA, ONTARIO  
CANADA K2C 3H5

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PERFORMANCE CHECKSHEET

Model: AVR-3-PW-TEK3-B-P-CT-R5-AC22  
Type: High-Speed Current Probe Test System  
S.N.: 13337  
Date: September 28, 2015

OUT1: Narrow Pulse into a 50Ω Test Load



a) Output Signal Amplitude (to 50Ω):  
OUT1: 0 to +250V (+5A max.)  
OUT2: 0 to +50 V (+1A max.)

b) Pulse Width:  
OUT1: 250 ns to 250 us  
OUT1: 50 ns to 200 ns

c) Rise Time (20-80%):  
OUT1: < 10 ns  
OUT2: < 0.5 ns

d) Fall Time (80-20%):  
OUT1: < 10 ns  
OUT2: < 0.5 ns

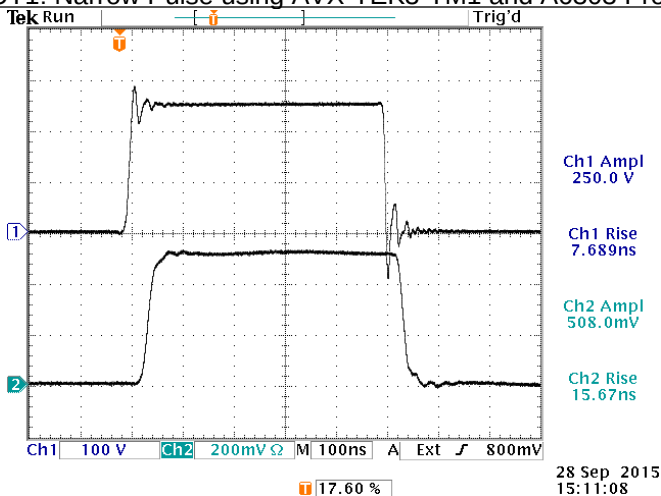
e) PRF: 0 - 10 kHz

f) Jitter, Stability: OK

g) Prime Power: 100-240V AC, 50-60 Hz.

Output of "OUT1" connector, terminated into an external 50 Ohm test load. Viewed with TDS3052 scope. 100V/div, 100 ns/div. 10 Hz.

OUT1: Narrow Pulse using AVX-TEK3-TM1 and A6303 Probe

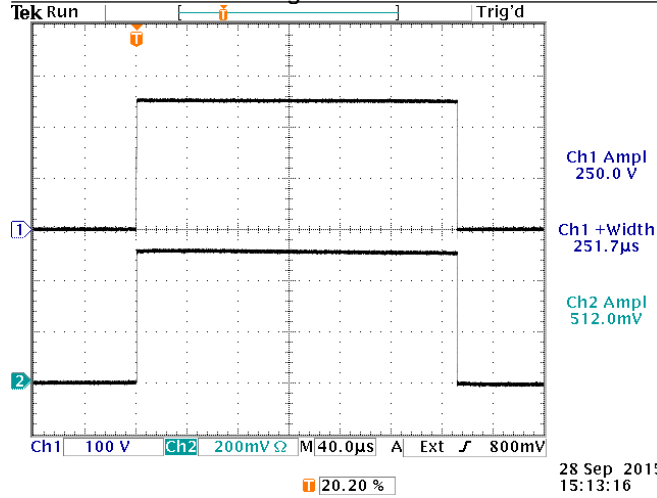


Top: +250V voltage waveform (measured at clamping cable).  
Bottom: Output of A6303 probe, viewed with TDS3052 scope.  
The A6303 probe is clamped to the shorting cable.

The current probes used in obtaining these waveforms are not calibrated, and are for examples purposes only. The amplitudes from the probes may be out of tolerance.

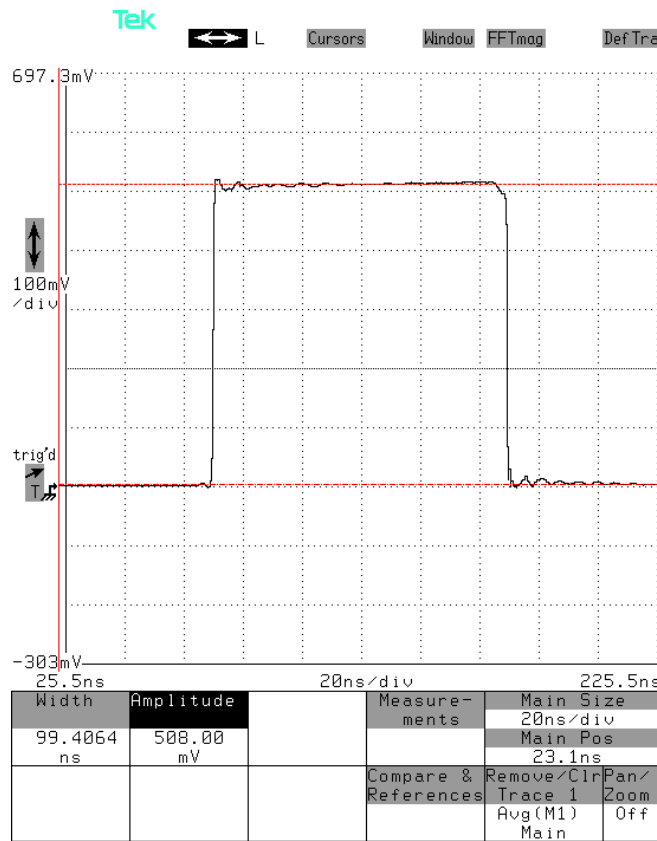
All rise/fall references levels: 20%, 80%.

OUT1: Wide Pulse using AVX-TEK3-TM1 and A6303 Probe

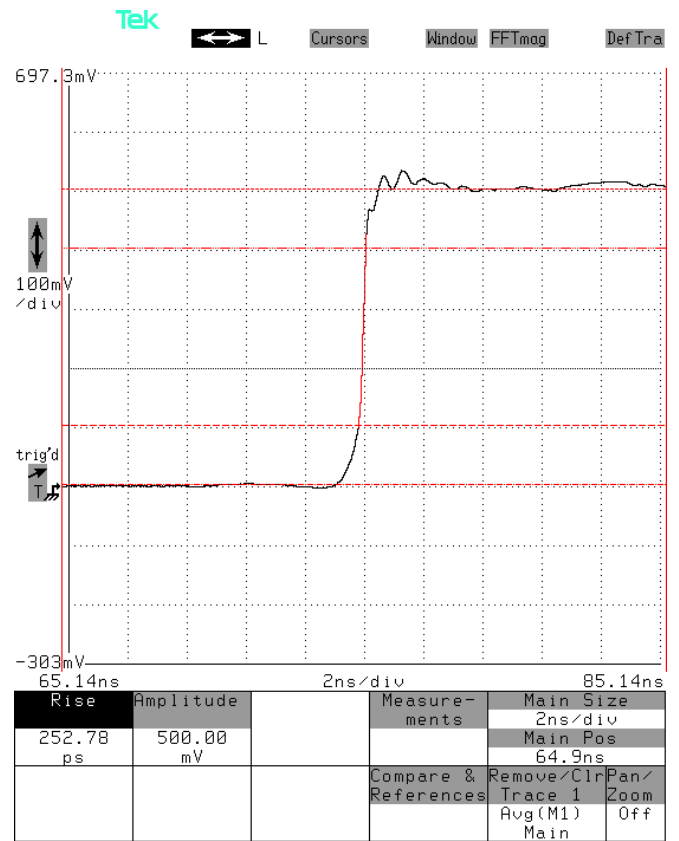


Top: +250V voltage waveform (measured at clamping cable). Bottom: Output of A6303 probe, viewed with TDS3052 scope. The A6303 probe is clamped to the shorting cable.

OUT2: 100 ns Pulse into a 50Ω Test Load

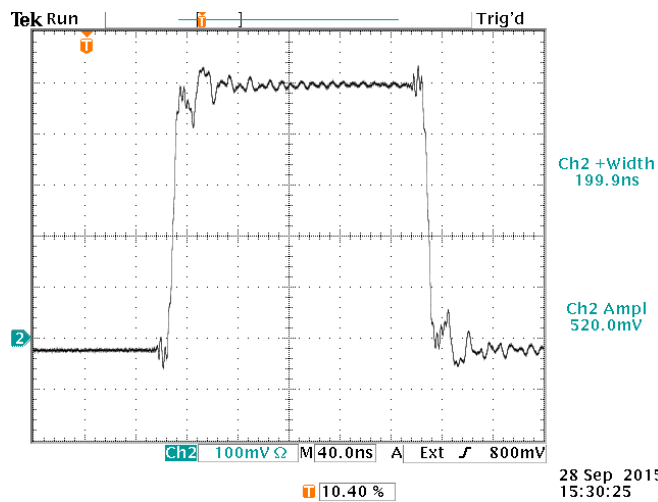


10 V/div (100 mV/div x 40 dB), 50 ns/div. "OUT2" into a sampling oscilloscope.

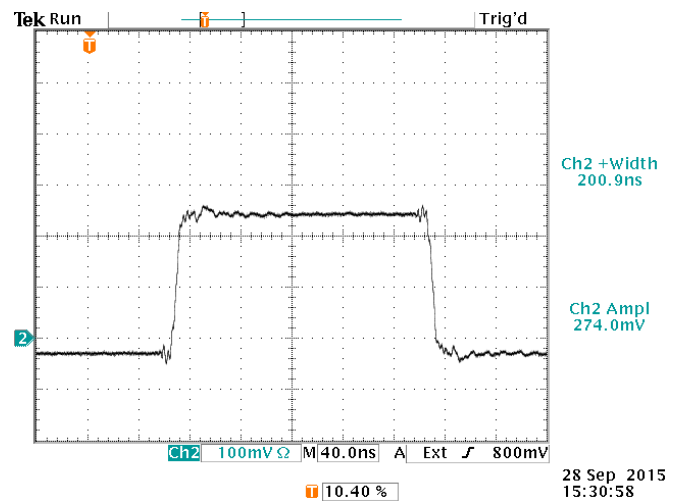


Scaled at 2 ns / div to show rising edge.

### OUT2: 200 ns Pulse using AVX-TEK3-TM2 and P6042 Probe

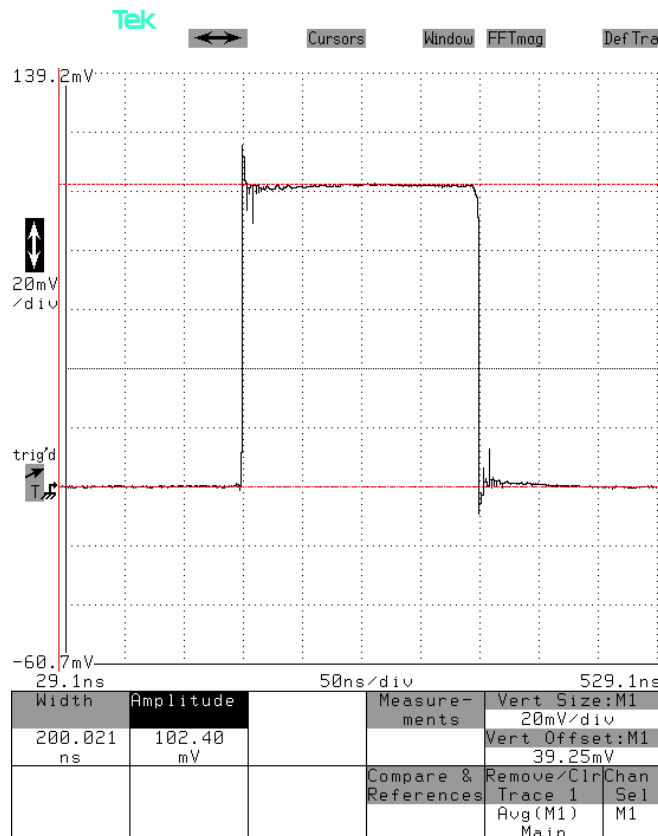


Output of P6042 probe, viewed with TDS3052 scope. The P6042 probe is clamped to the shorting cable.

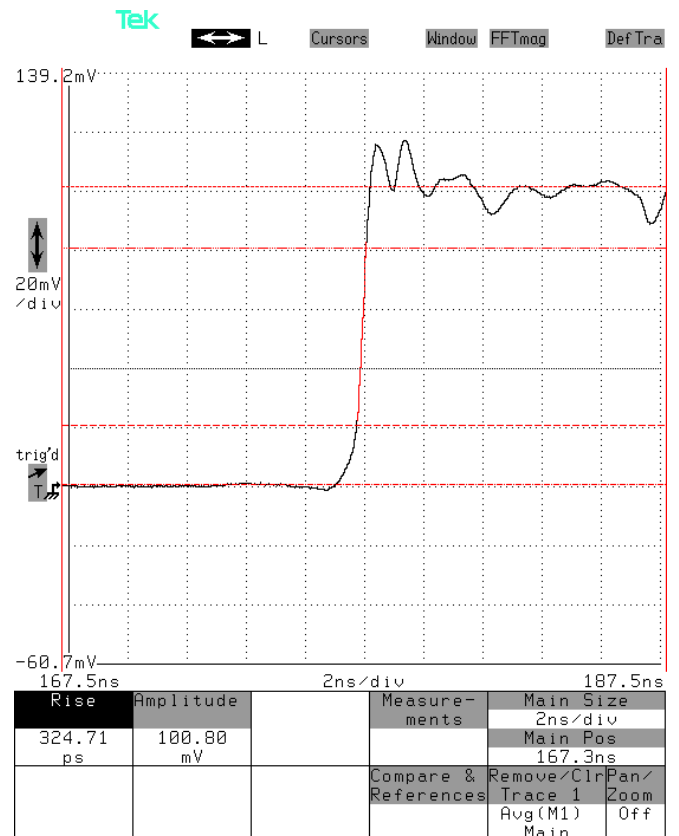


Output of P6042 probe, with a 6 dB attenuator installed between the OUT2 connector and the cable to the output module. The 6 dB attenuator tends to absorb transmission line reflections.

### OUT2: 200 ns Pulse using AVX-TEK3-TM3 and CT2 Probe



Output of CT2 with a +50V/1A input. 200 mV/div (20 mV/div x 20 dB), 50 ns/div. "OUT2" into a sampling oscilloscope.



Scaled at 2 ns / div to show rising edge.