

**MAX MILLER**



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Online



Expert

Posts: 2737



this is what the meyer vic resonance looks like

please everyone, if you are going to post the information somewhere else.....make sure they know where it came from  
united is the only way this will get finished  
and united, then no one dies for it  
this needs finished.....everyone needs to stand up for this

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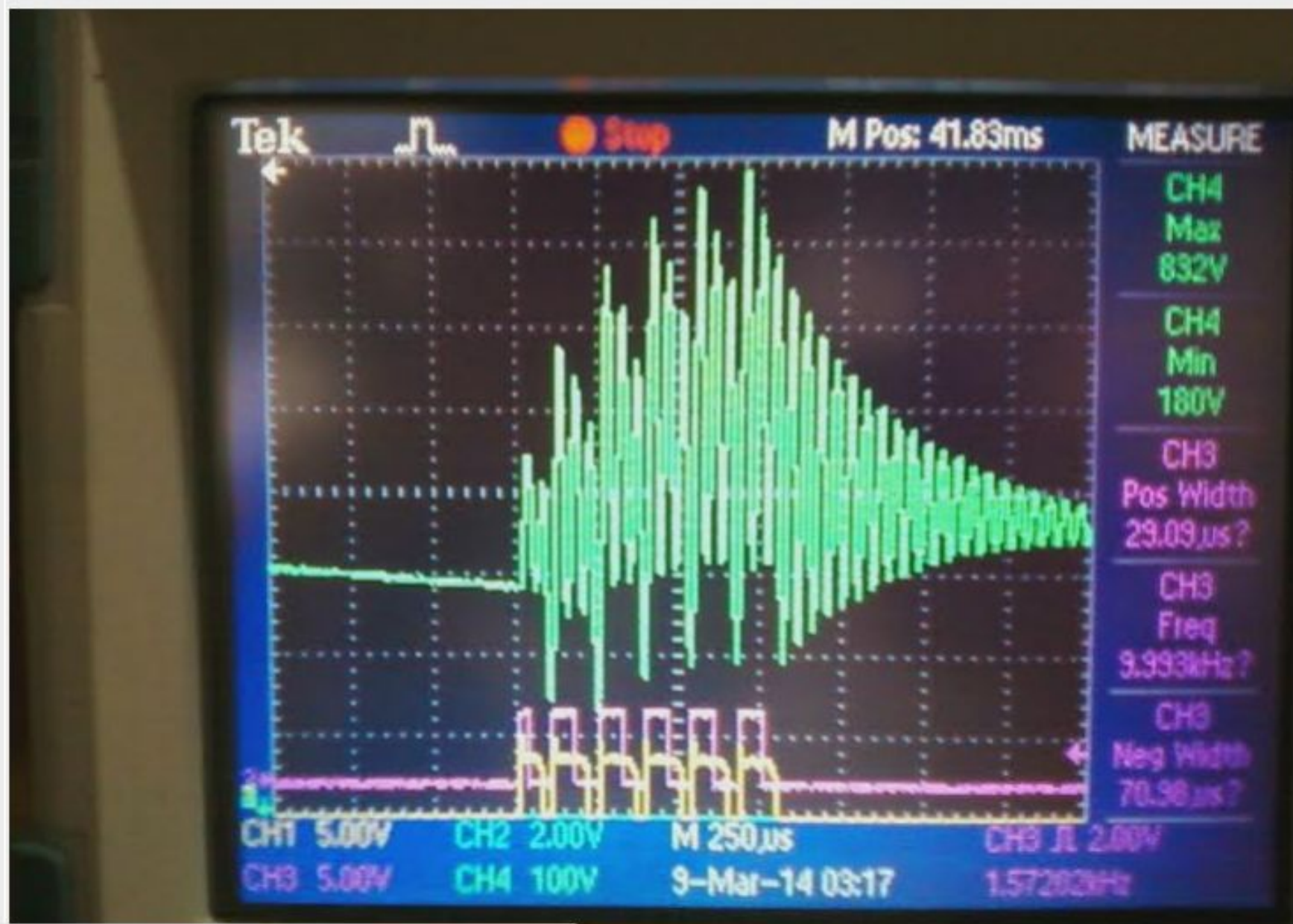
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red is the pulse from the frequency generator

yellow is the pulse across the primary

green is the output from the vic





Online



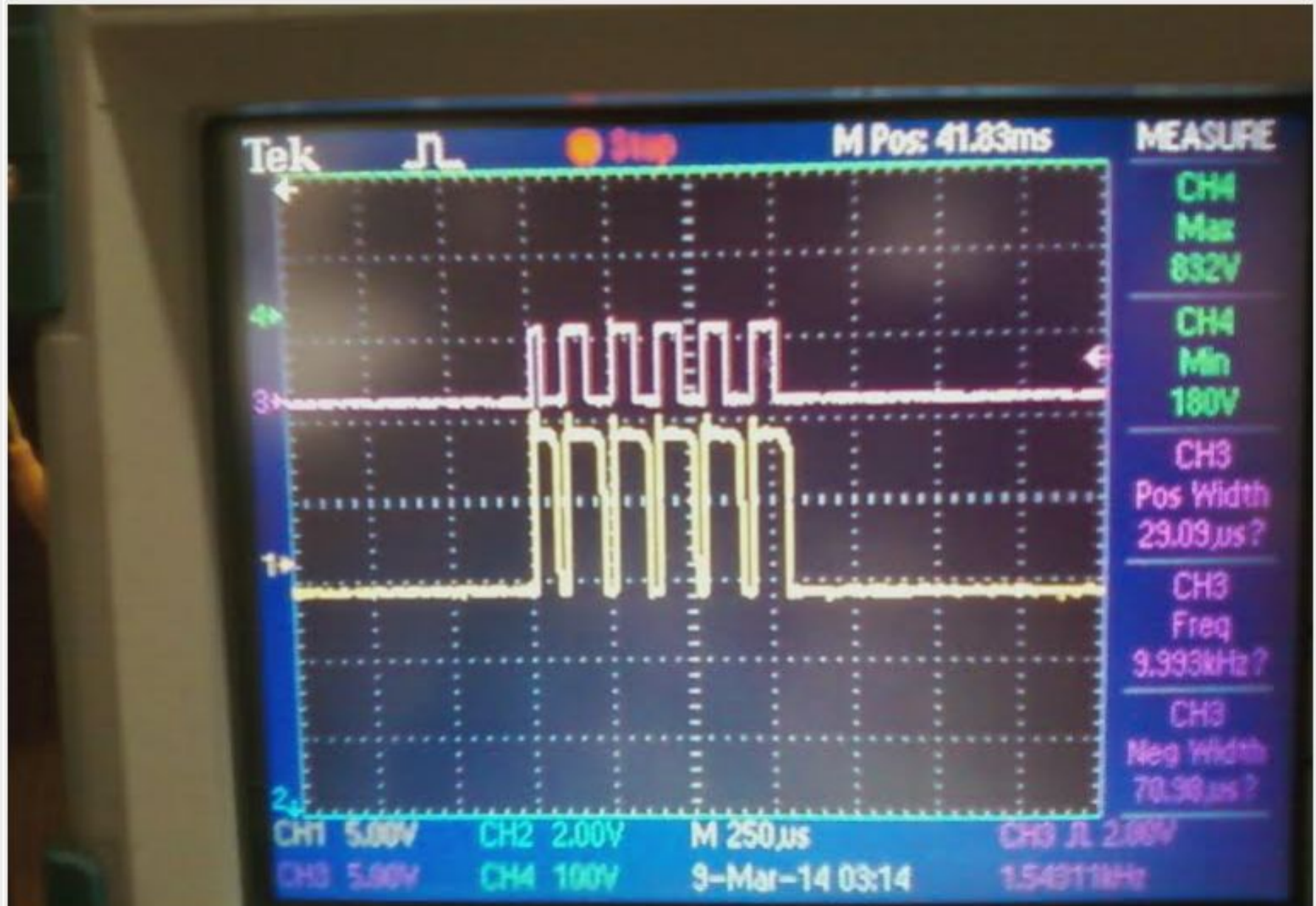
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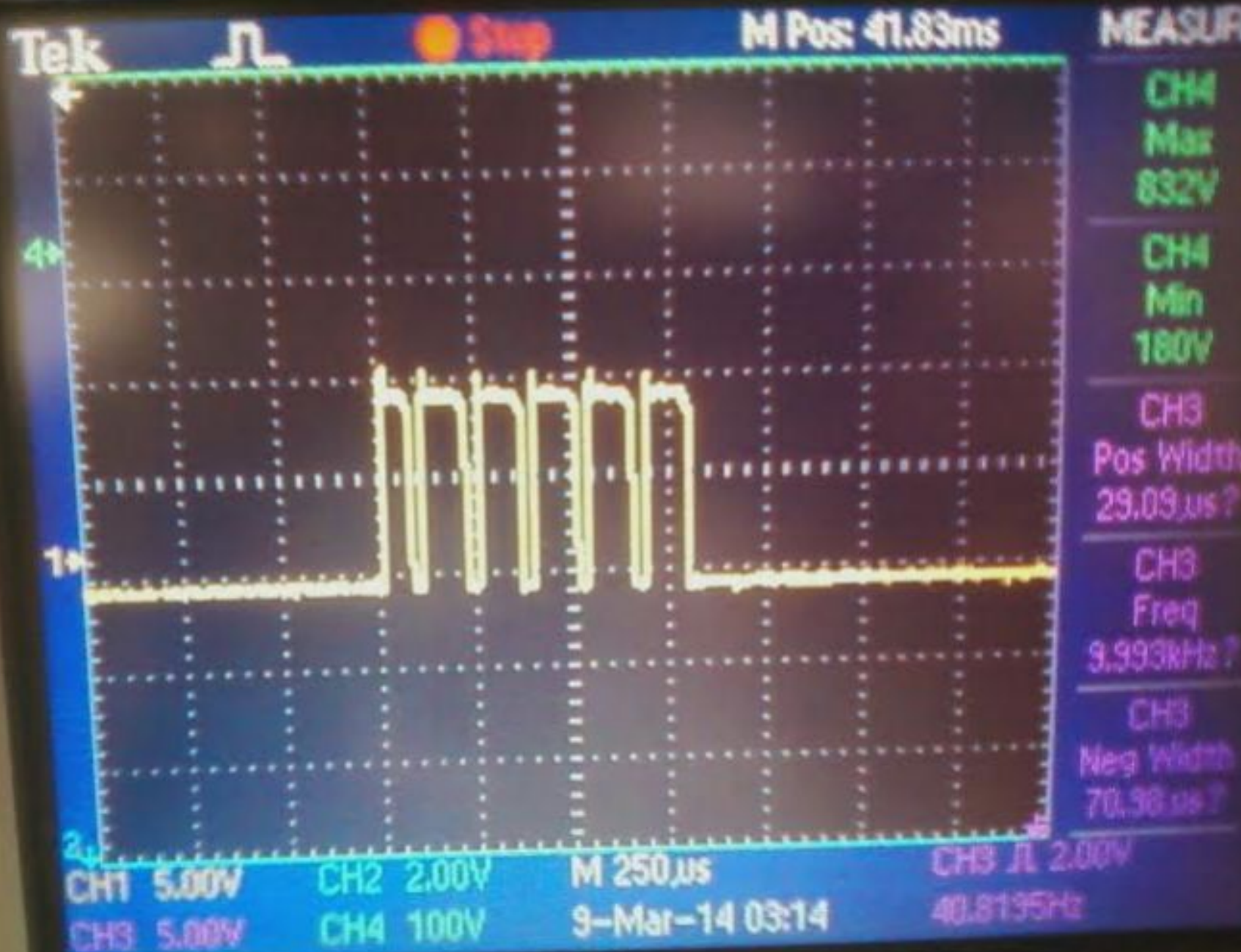
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red is the pulse from the signal generator

yellow is the pulse across the primary. the primary is an inductive load so it becomes wider then the original pulse.







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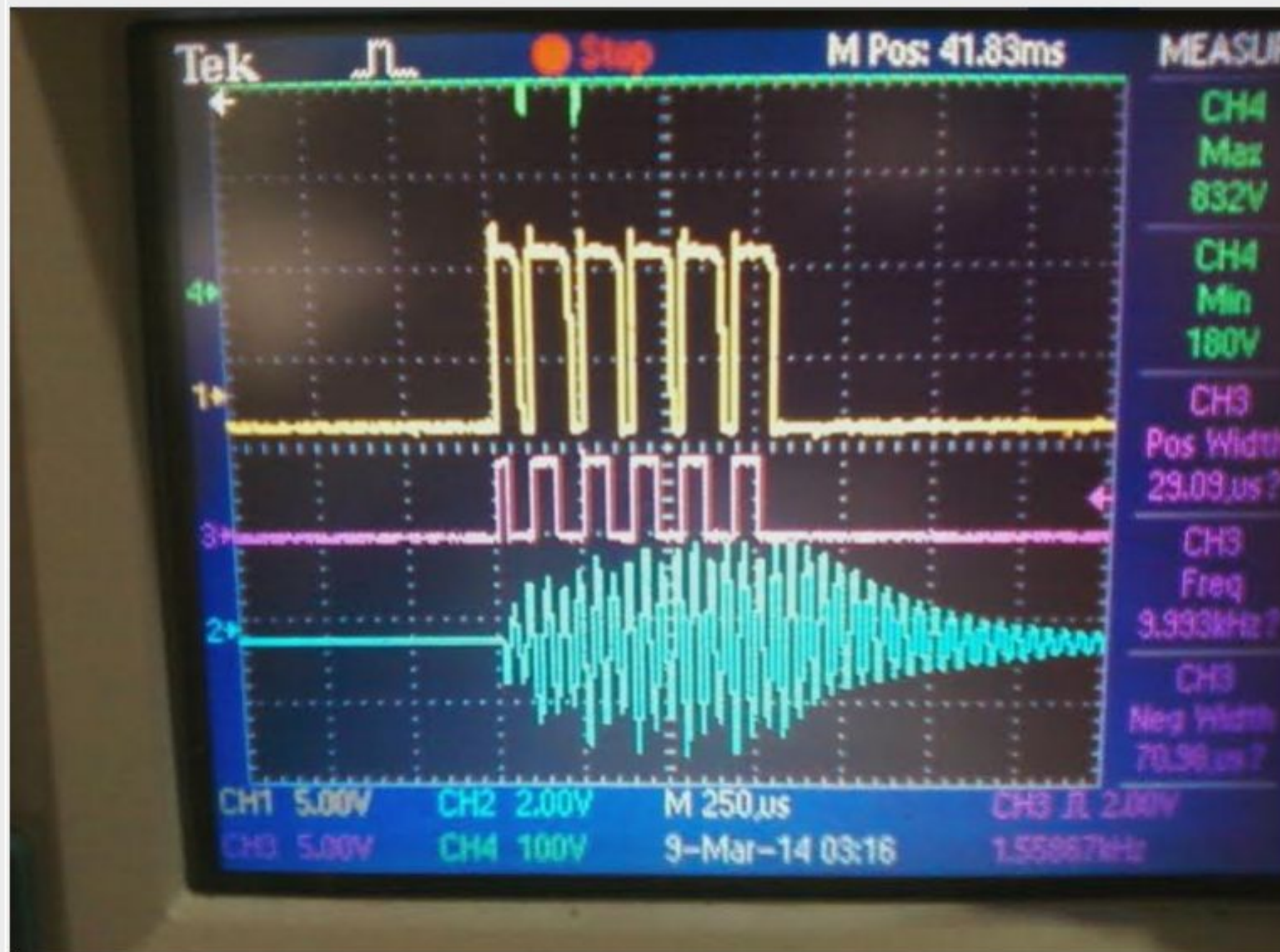


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the magnetic field is shown in blue.

the main pulse causes the core to have a magnetic field in it which can be seen with a magnetic field probe.



Tek



Stop

M Pos: 41.83ms

MEASURE

CH4

Max

832V

CH4

Min

180V

CH3

Pos Width

29.09 $\mu$ s?

CH3

Freq

3.993kHz?

CH3

Neg Width

70.38 $\mu$ s?

4+

2+

CH1 5.00V

CH2 1.00V

M 250 $\mu$ s

CH3 2.00V

CH2 vertical position 0.12 divs (120mV) 14 15/15



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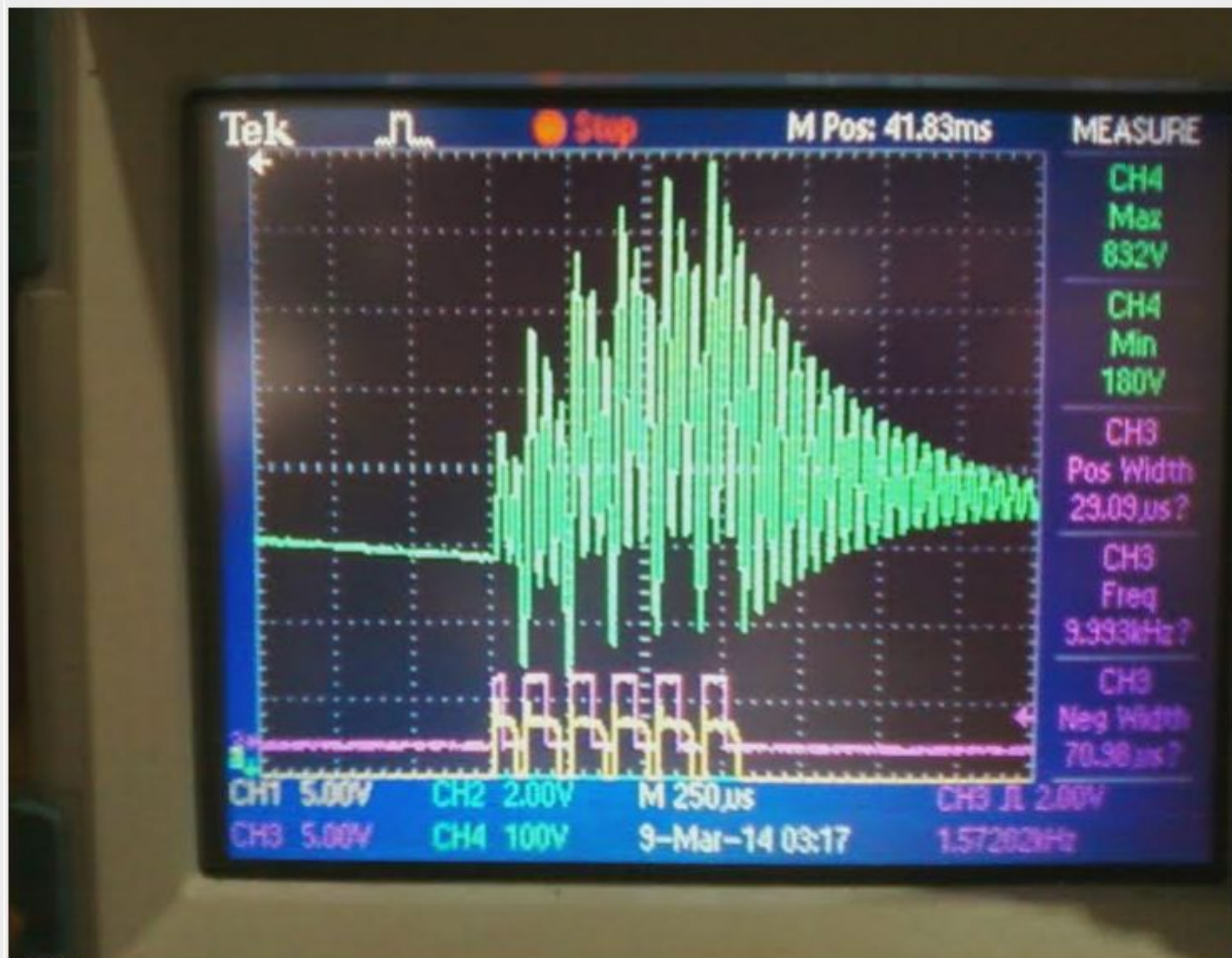


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the output to the cell is shown in green. these are all positive pulses





Tek



Stop

M Pos: 41.83ms

MEASURE

CH4

Max

832V

CH4

Min

180V

CH3

Pos Width

29.09 $\mu$ s?

CH3

Freq

9.993kHz?

CH3

Neg Width

70.90 $\mu$ s?

CH1 5.00V

CH2 2.00V

M 250 $\mu$ s

CH3 2.00V

CH3 5.00V

CH4 100V

9-Mar-14 03:13

580.68kHz



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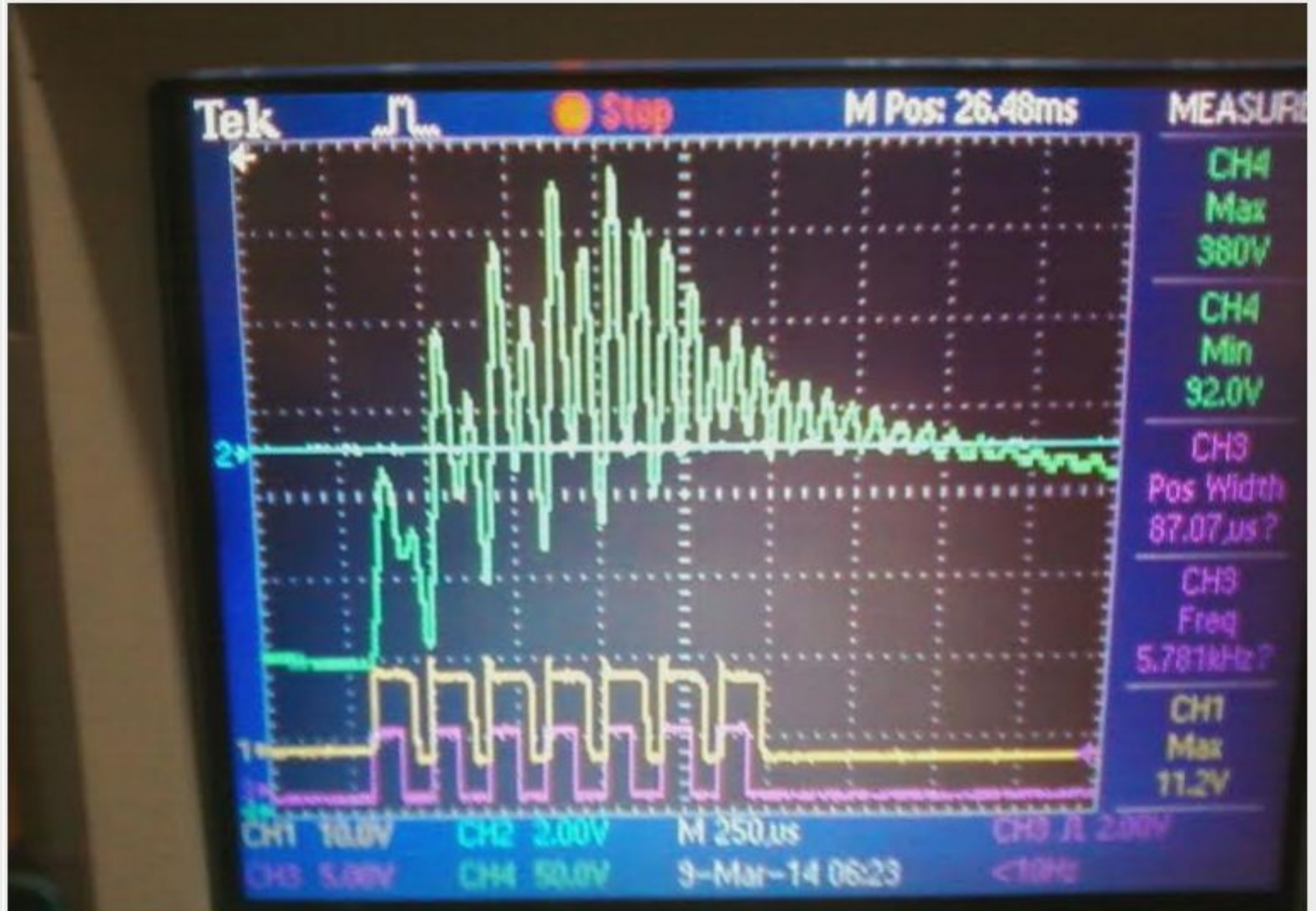


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the green output pulses .... you can see the pulse has now become twice the original pulses



(4.PNG)



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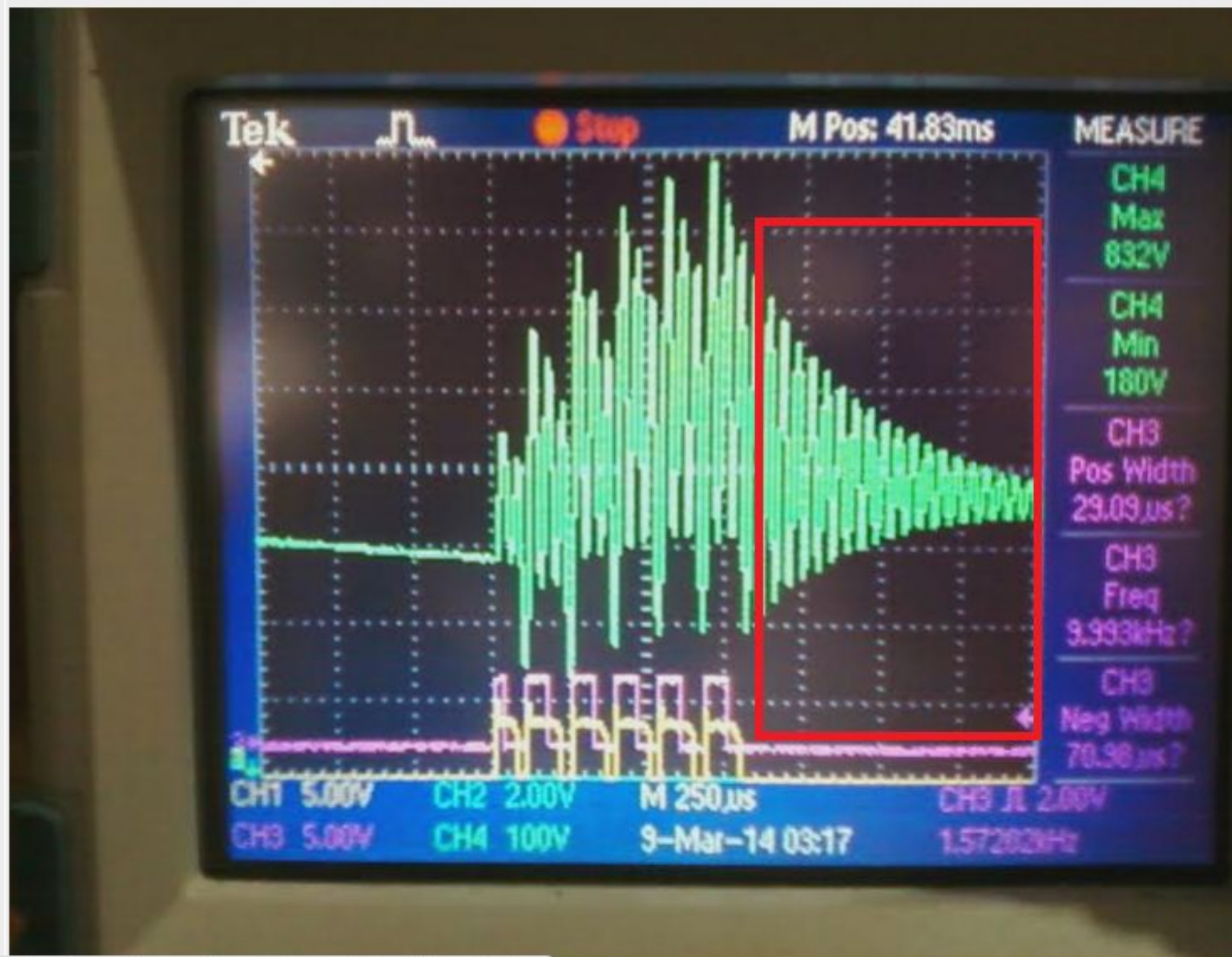


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here you can see that the voltage pulse continues well after the original pulse had ended



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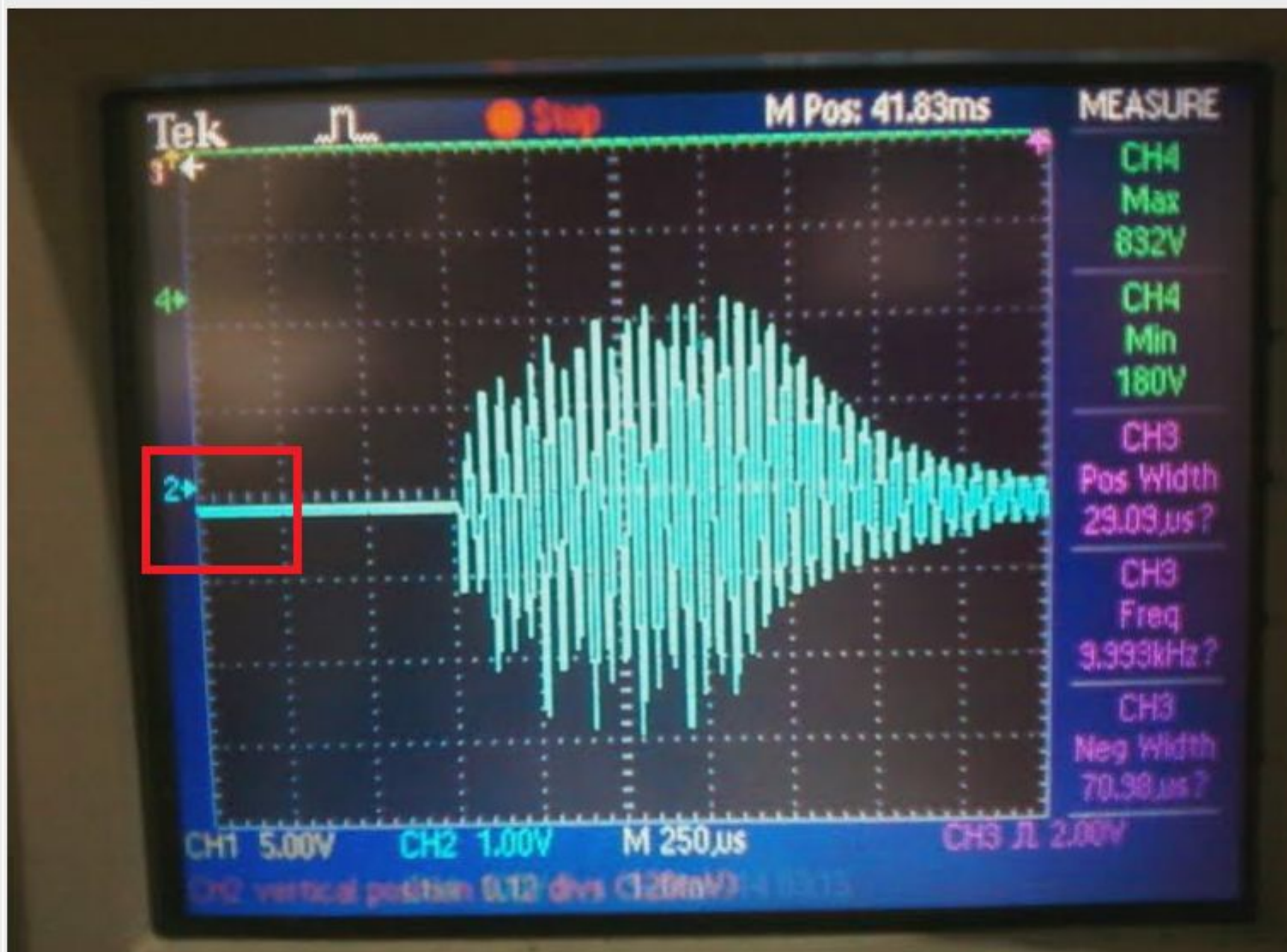


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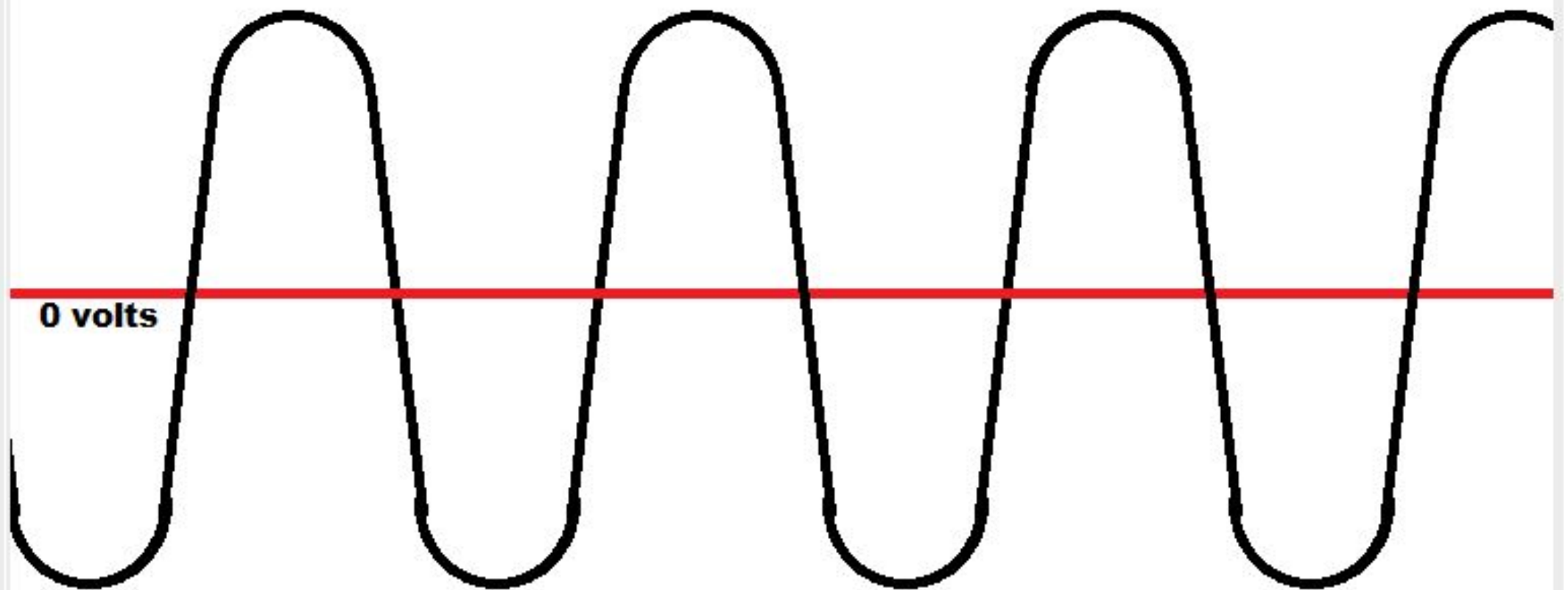
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note the magnetic field is a sine wave. the number shown on the left is 0 volts reference. basically the voltage swings from pos to neg. in this case it is magnetic field strength, shown with a magnetic field probe displaying the curve on the scope.





**sine wave, red is 0 volts**



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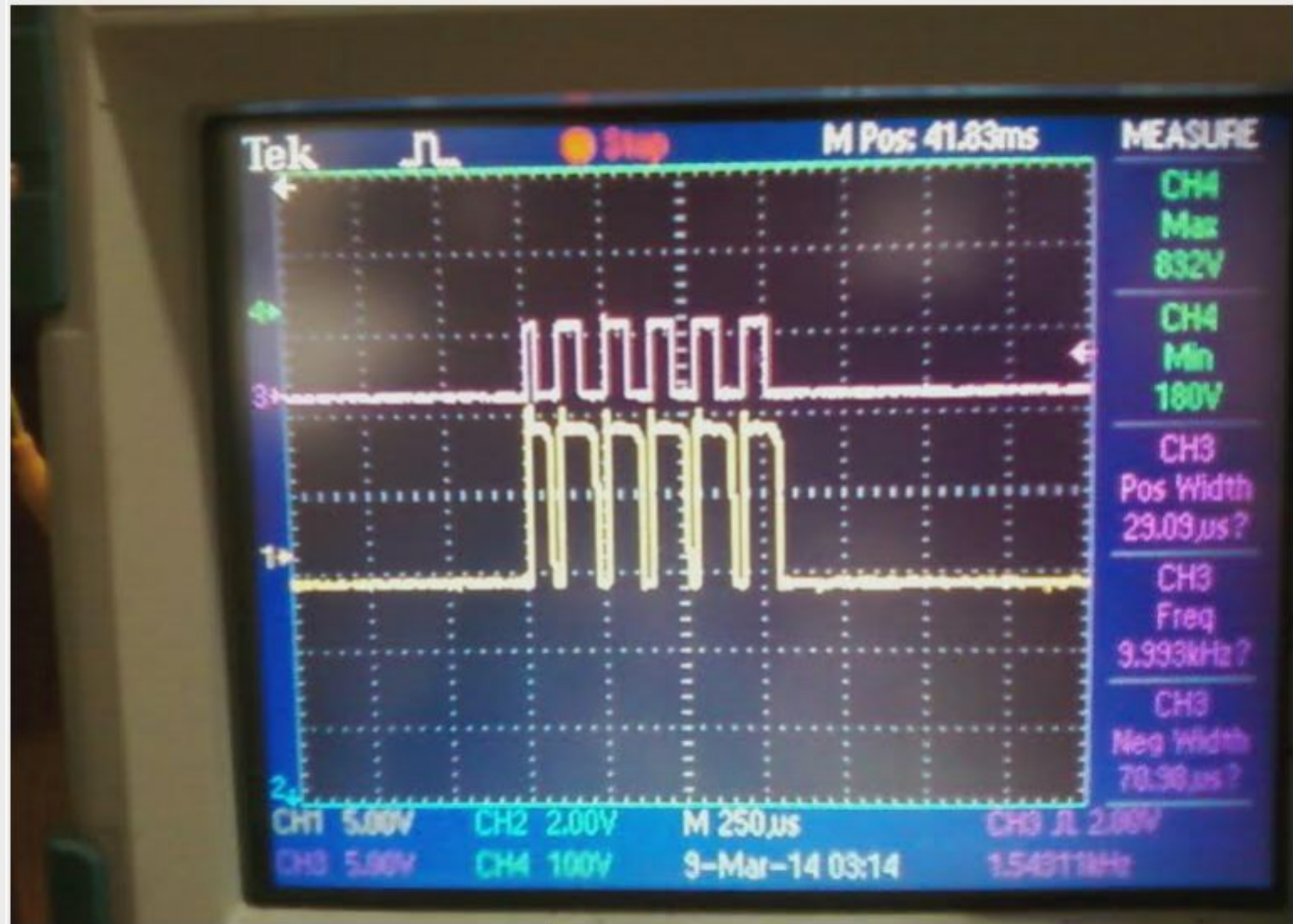


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the main pulse is a unipolar pulse from the frequency generator that can vary in voltage aplitude. from 0 to up to and over 12 volts, depending on the aplication





**The main pulse from the frequency generator is a unipolar pulse, all positive.**

**meyer describes a 50% duty cycle, and his circuits show this.**



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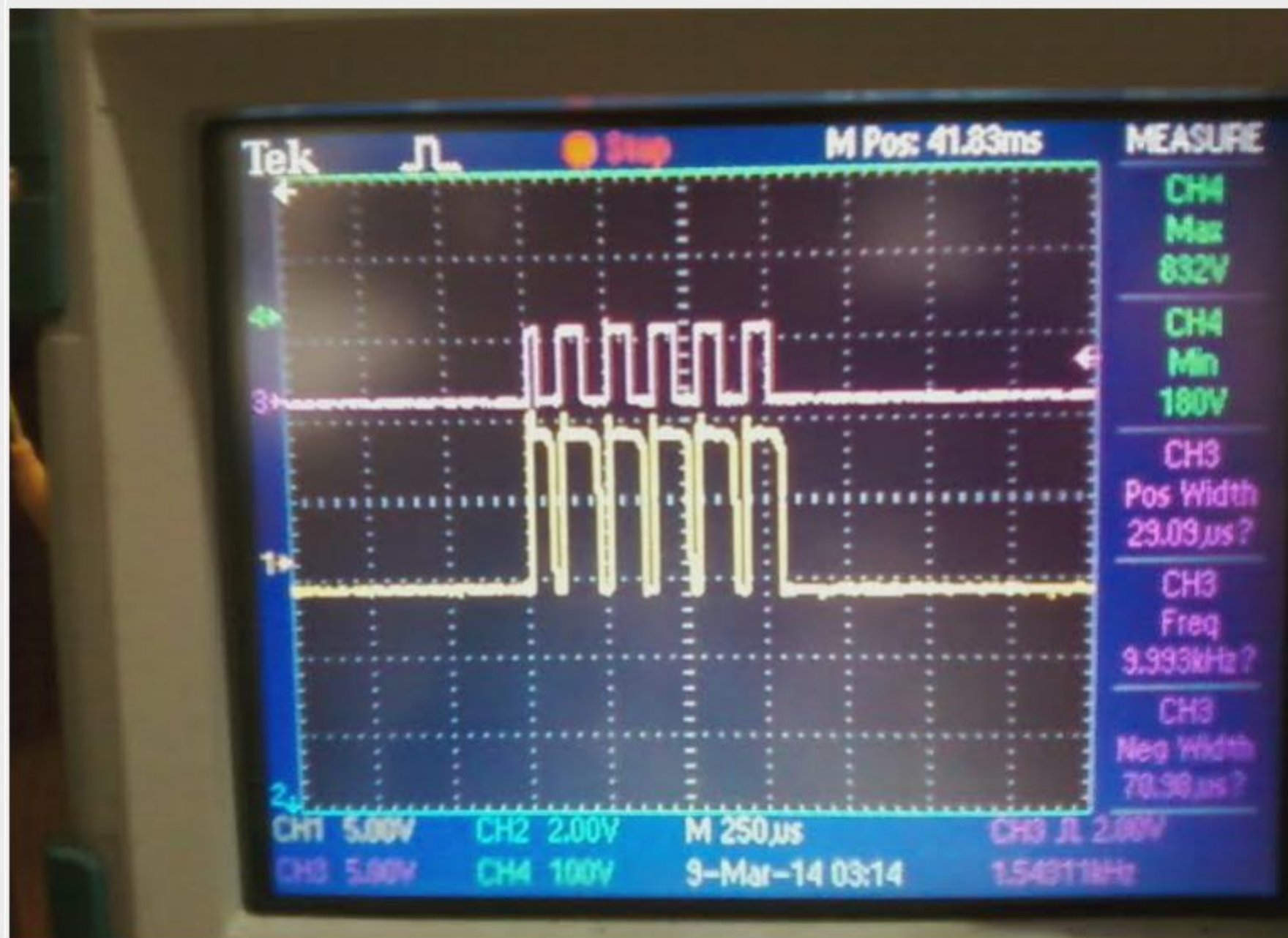
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the main frequency is a pulse train of unipolar pulses. the pulses are formed by a frequency generator, then the off time of the pulses are formed by gate. the gate is just another circuit that turns the first pulse on and off.

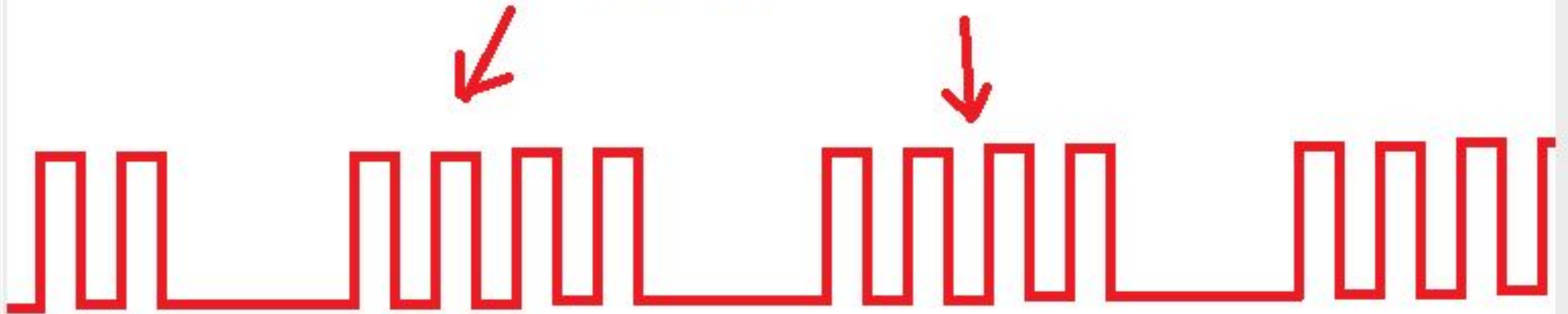
like this





**The main pulse from the frequency generator is a unipolar pulse, all positive.**

**meyer describes a 50% duty cycle, and his circuits show this.**



**this is a unipolar pulse train**

**made by a frequency generator with a gate**

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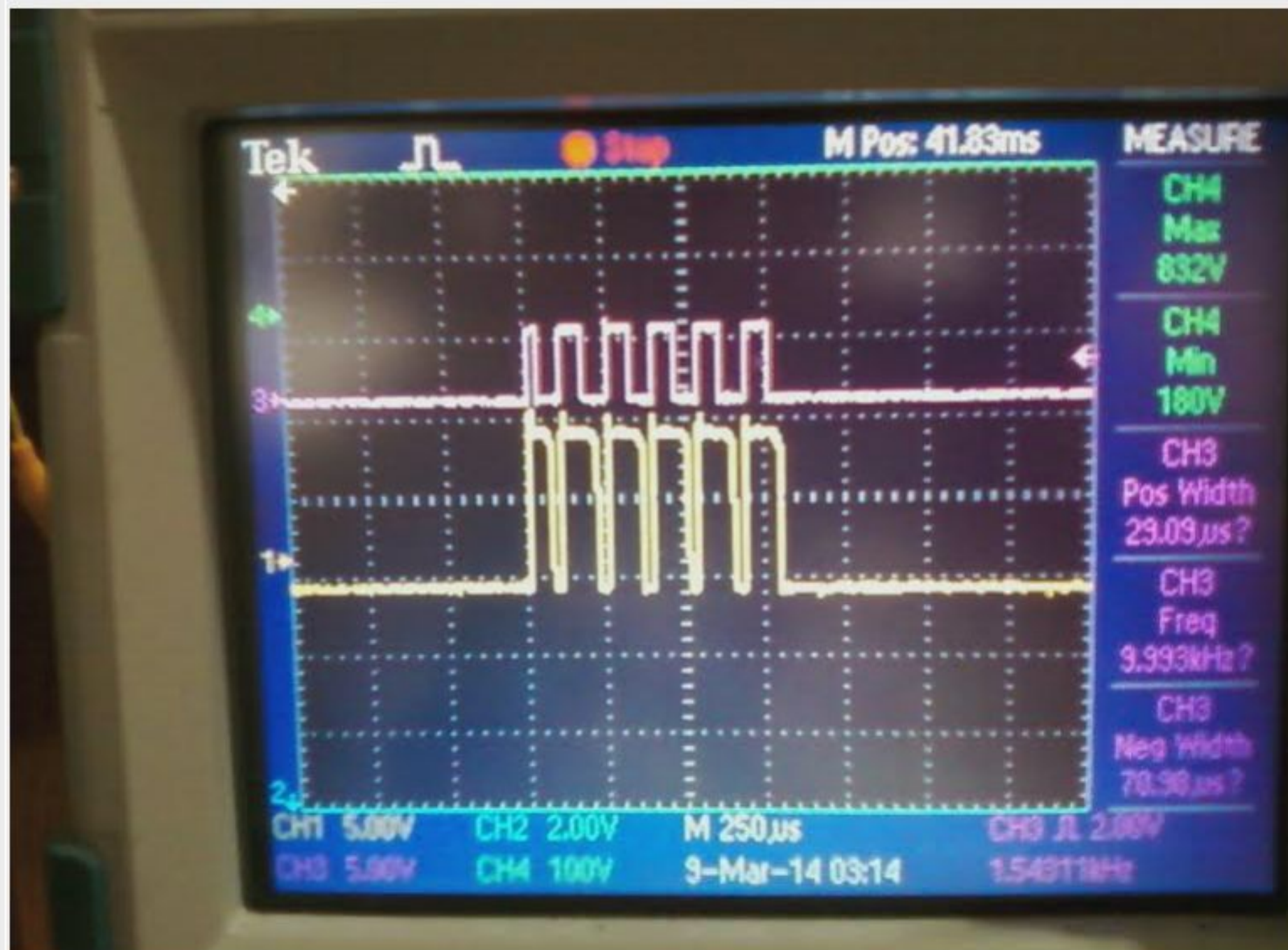
now the main frequency is a 50% duty cycle like this



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**The main pulse from the frequency generator is a unipolar pulse, all positive.**

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