



Appendix C



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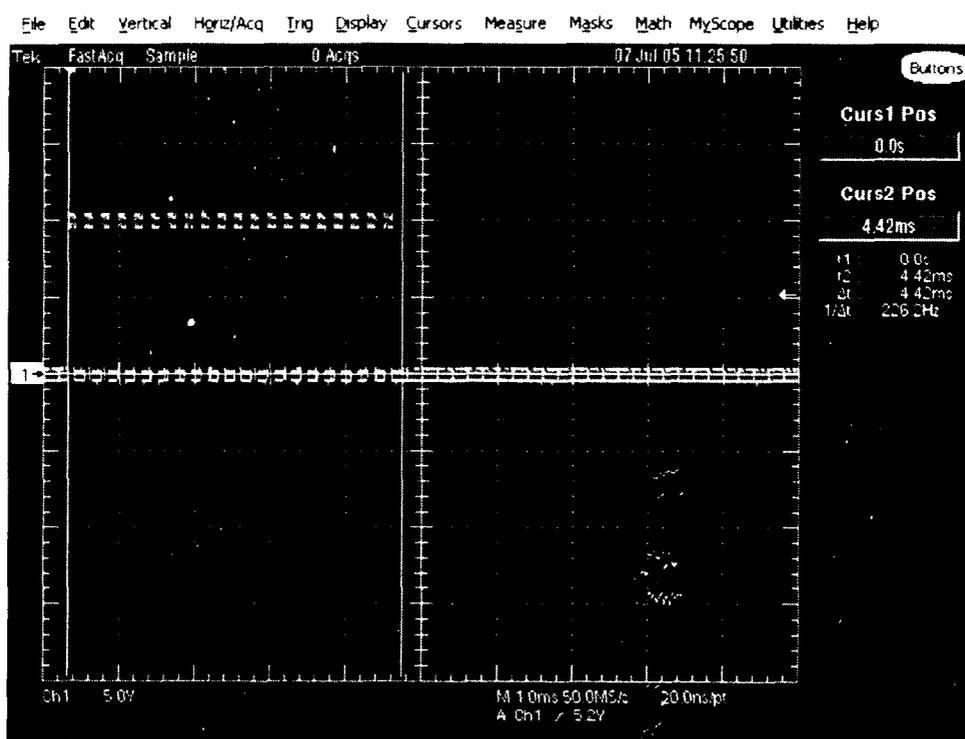
Waveforms Generated Using RS Medical's Proposed PEMF Parameters

RS Medical's proposed parameters would produce waveforms of unknown safety and effectiveness. For the waveforms generated below, we used the following inaccurate and incomplete PEMF parameters provided in RS Medical's Table 1:

- **SPEC1:** 4.5msec long bursts of 20, 220 μ sec 18G pulses repeated at 15Hz; and
- **SPEC2:** 790mG field of a burst of 21, 260 μ sec pulses repeated at 15Hz.¹

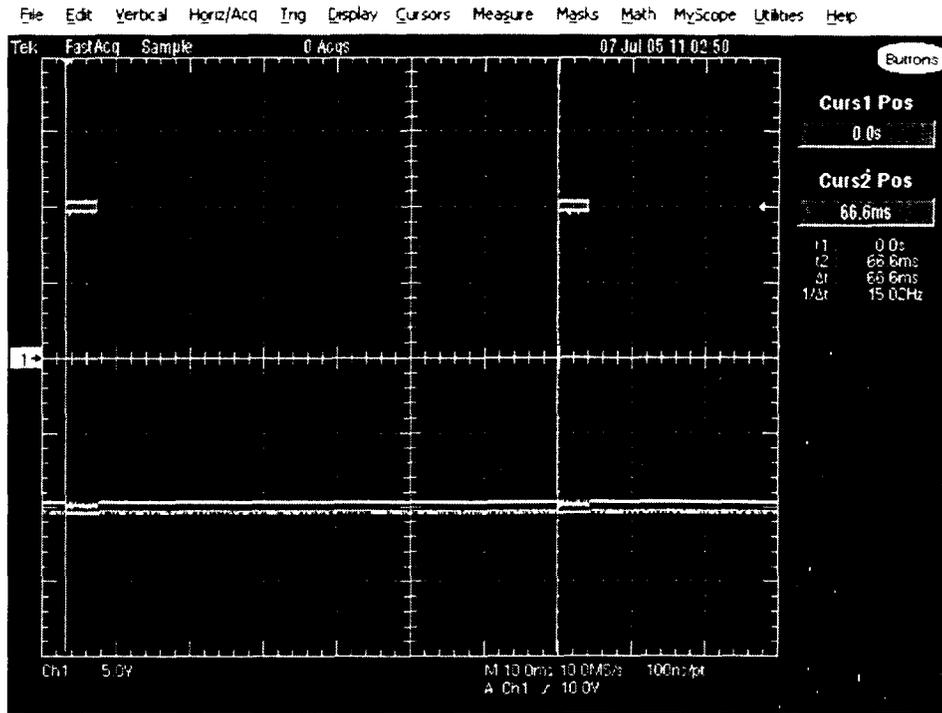
I. Waveforms Generated from SPEC1

Waveform 1 is a pulsed square wave operating at parameters given in SPEC1.

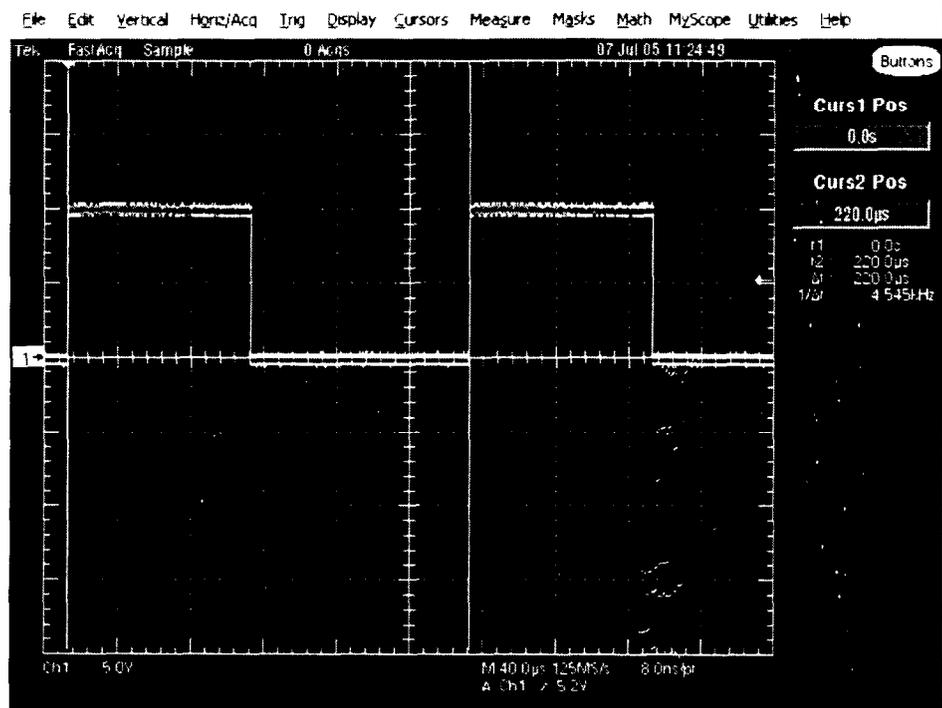


Waveform 1: Number of Pulses ("Np") = 20, Burst Width ("Tbw") = 4.42msec

¹ Since a measurement of gauss would require a specified position of measurement from the source, no amplitude and pulse width adjustments were made to generate the specified magnetic field. The resulting waveforms show proper timing only

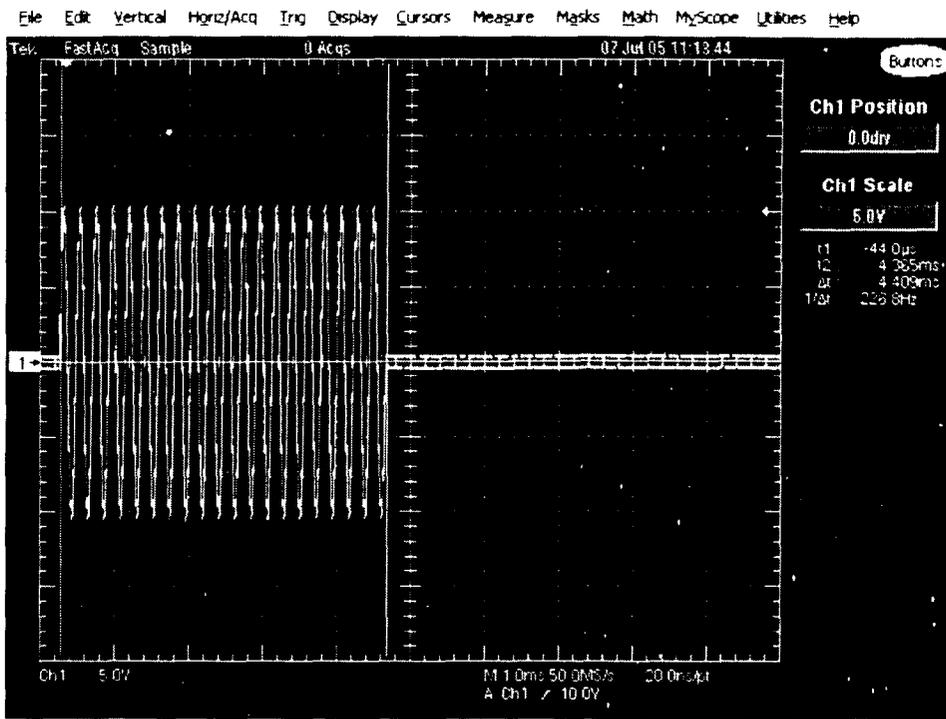


Waveform 1: Burst Interval ("Tbi") = 15.02Hz

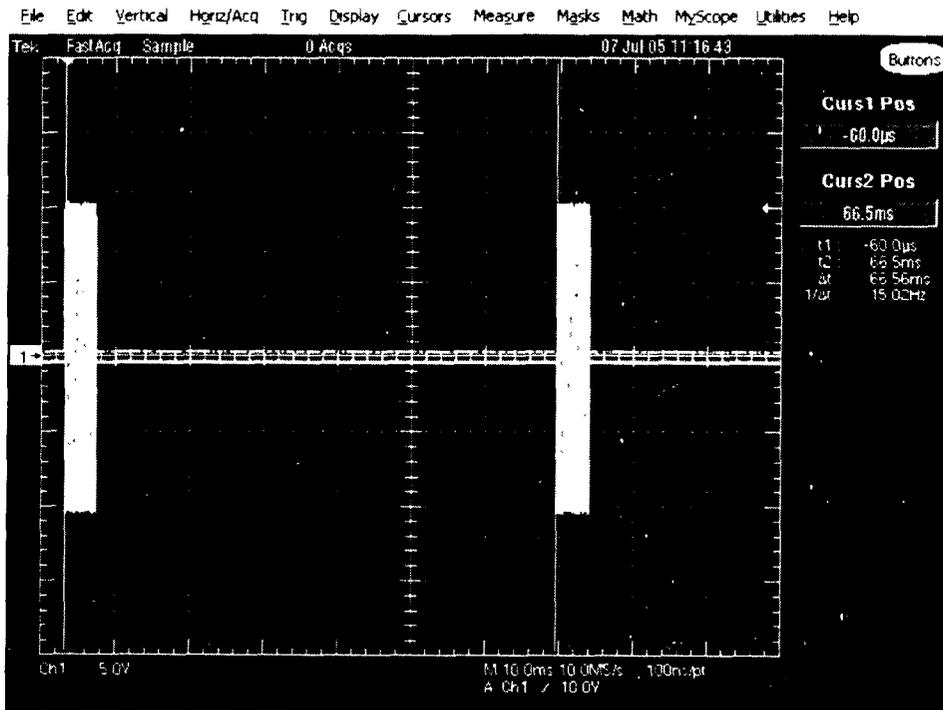


Waveform 1: Pulse Width ("Tp_w") = 220μsec

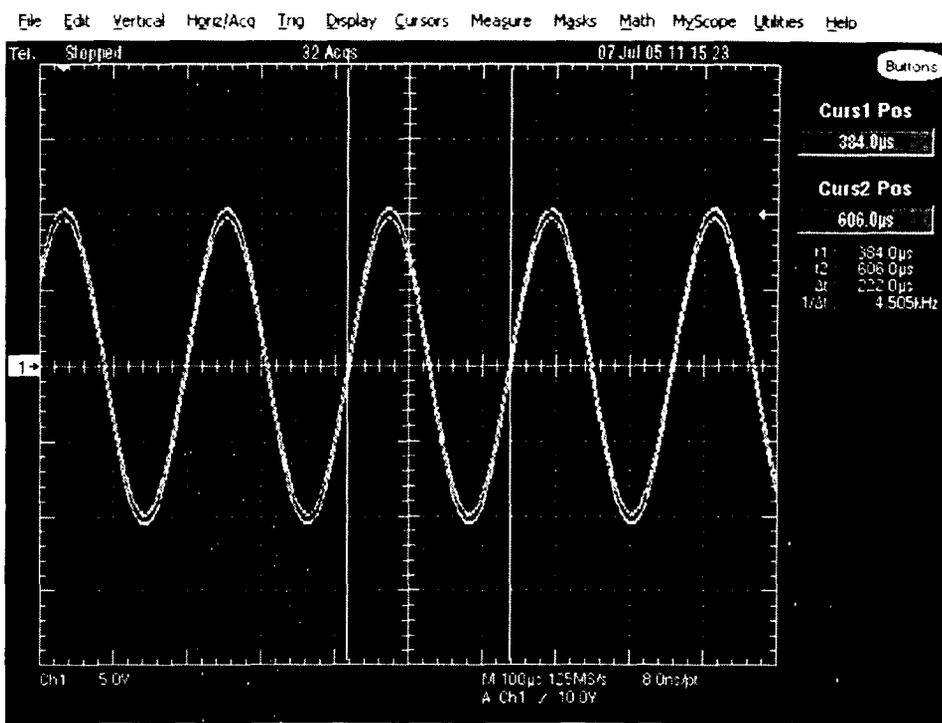
Waveform 2 is a pulsed sine operating at parameters given in SPEC1.



Waveform 2: $N_p = 20$, $T_{bw} = 4.409\text{msec}$

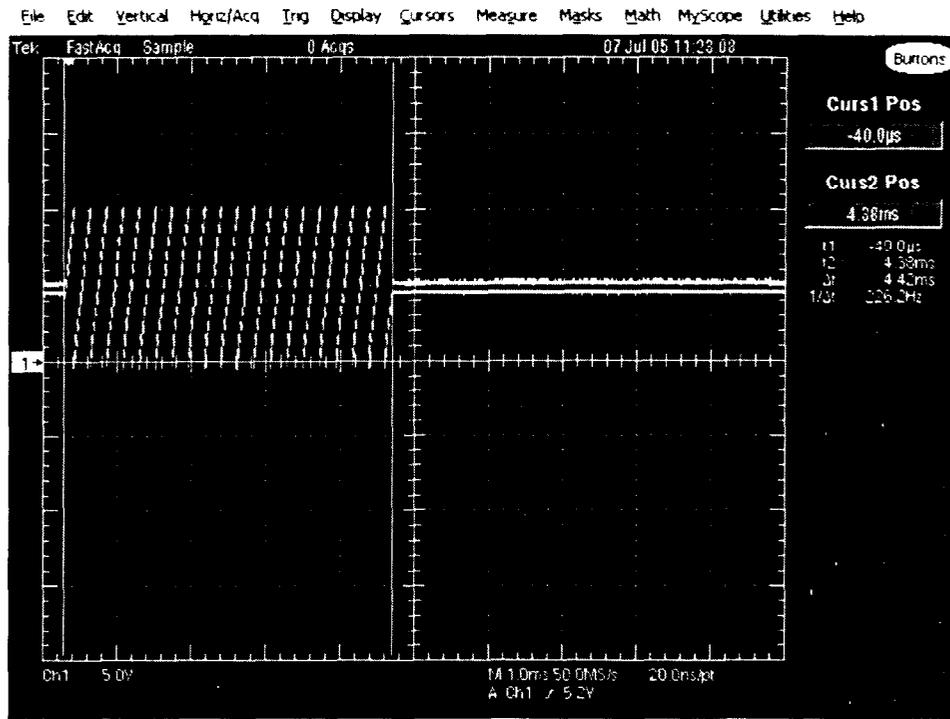


Waveform 2: $T_{bi} = 15.02\text{Hz}$

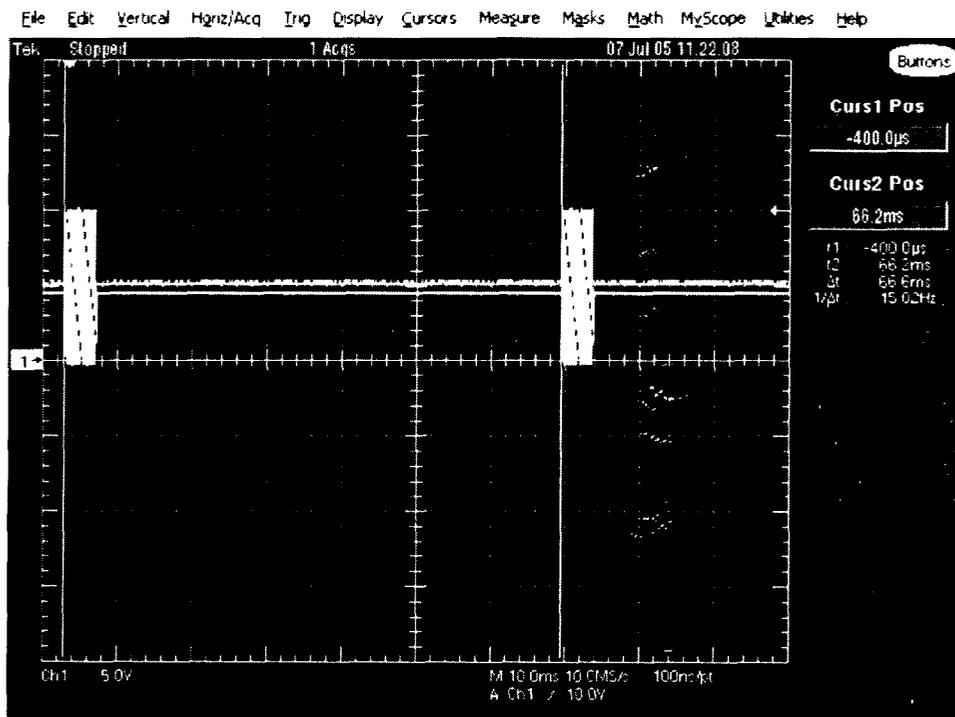


Waveform 2: $T_{pw} = 222\mu\text{sec}$

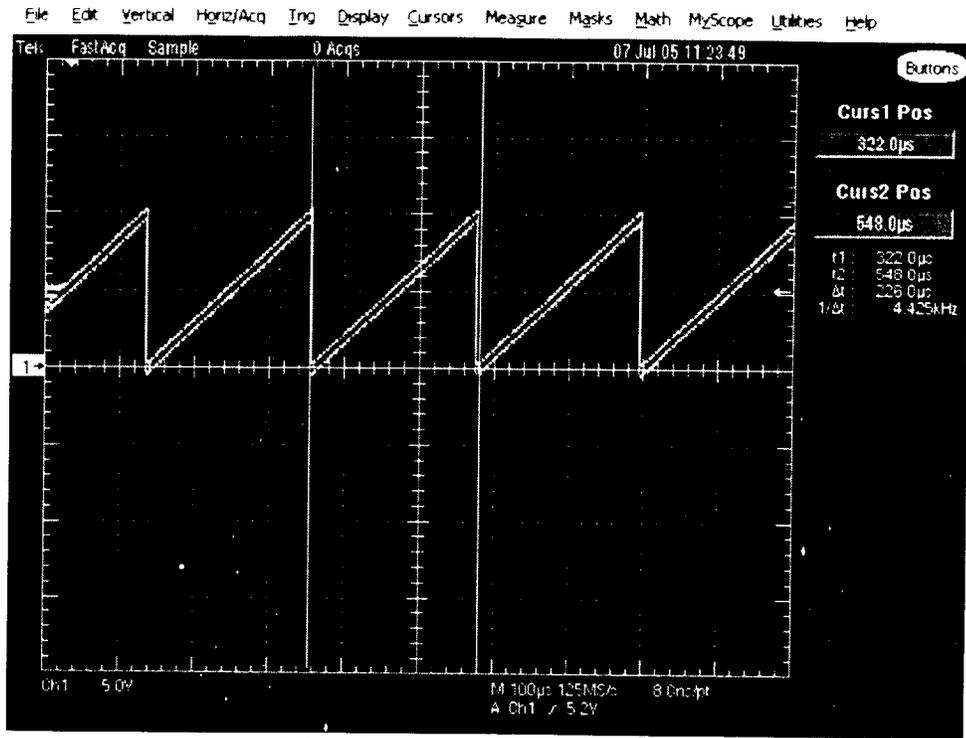
Waveform 3 is a pulsed ramp wave operating at parameters given in SPEC1.



Waveform 3: $N_p = 20$, $T_{bw} = 4.42\text{msec}$

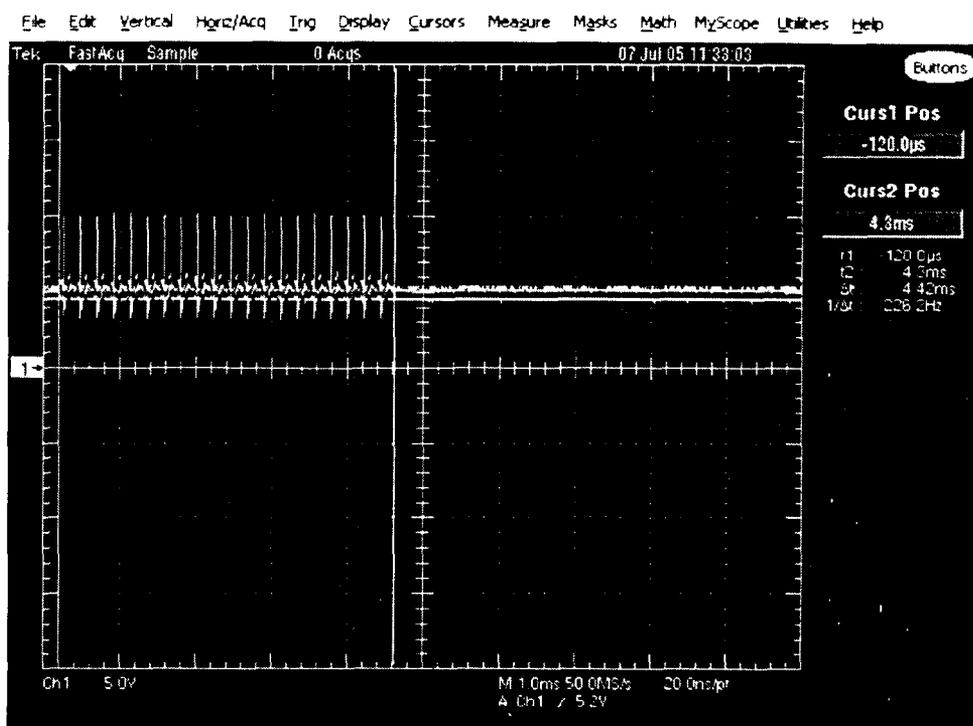


Waveform 3: $T_{bi} = 15.02\text{Hz}$

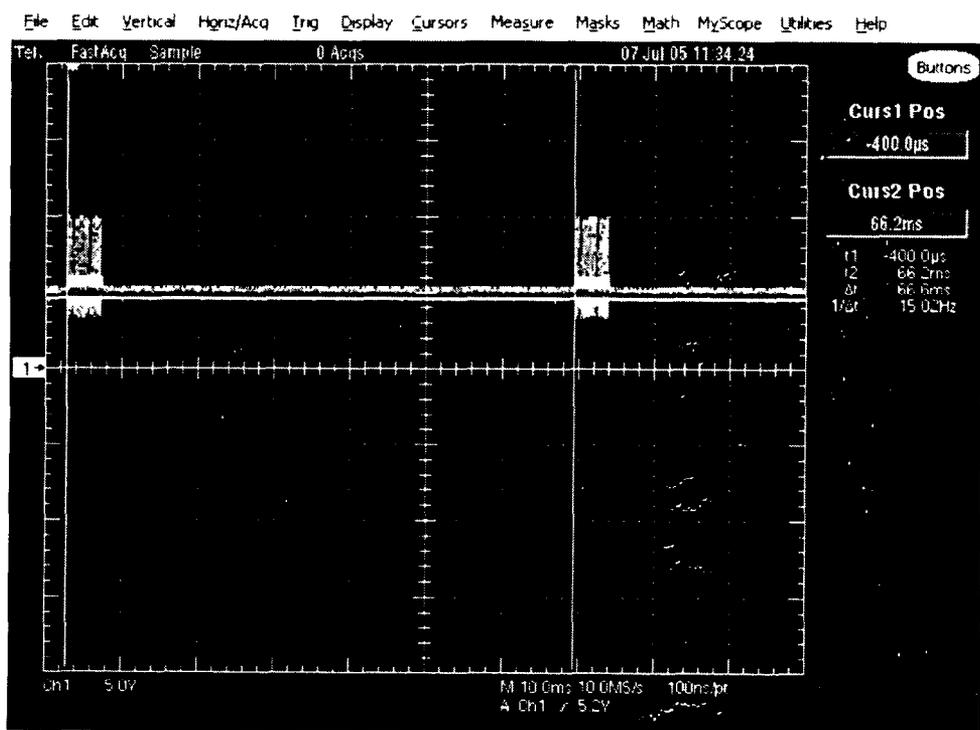


Waveform 3: $T_{pw} = 226.0\mu\text{sec}$

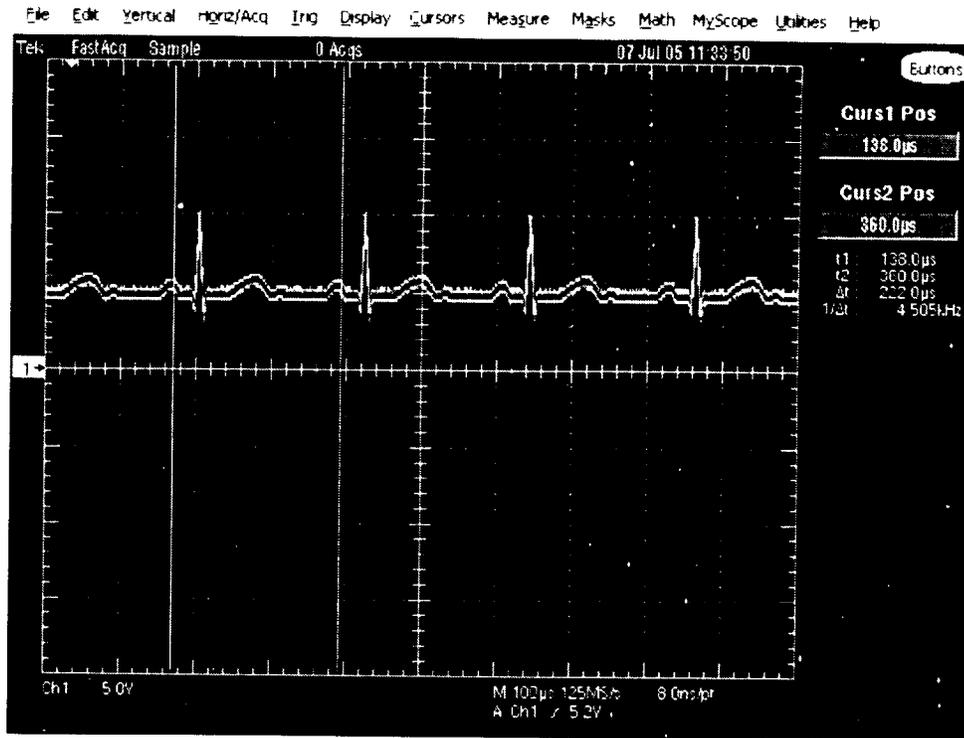
Waveform 4 is a pulsed cardiac waveform operating at parameters given in SPEC1.



Waveform 4: $N_p = 20$, $T_{bw} = 4.42\text{msec}$

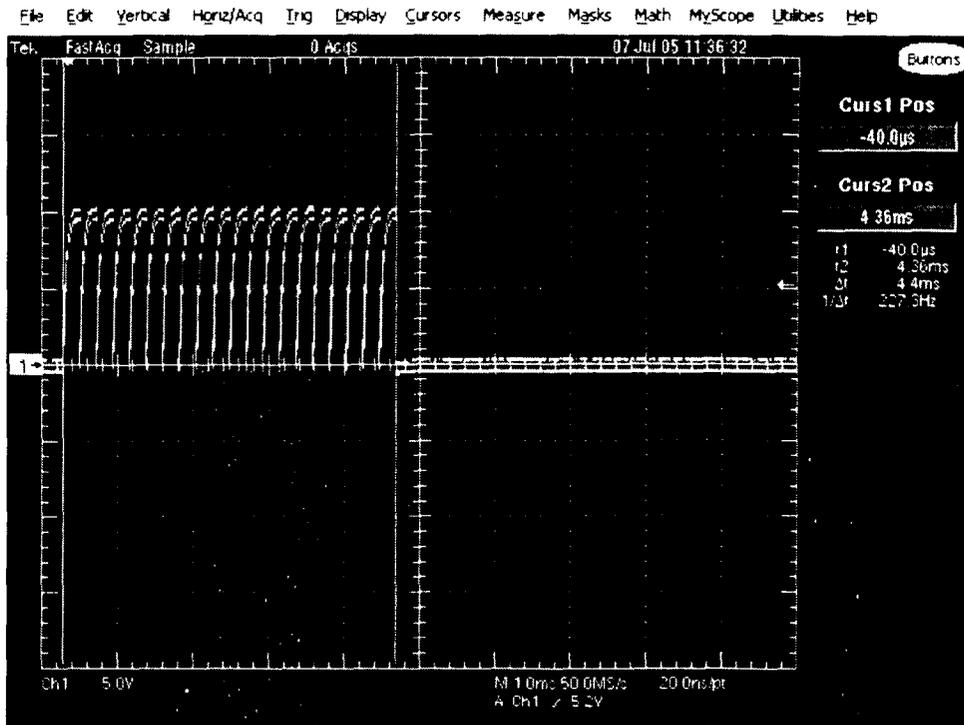


Waveform 4: $T_{bi} = 15.02\text{Hz}$

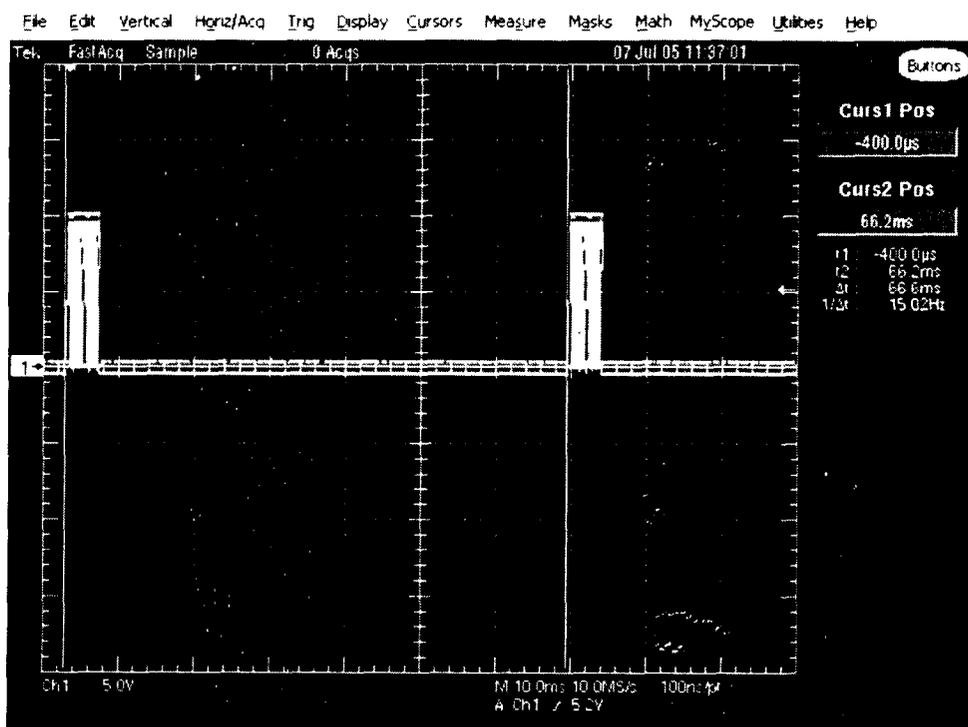


Waveform 4: $T_{pw} = 222.0\mu\text{sec}$

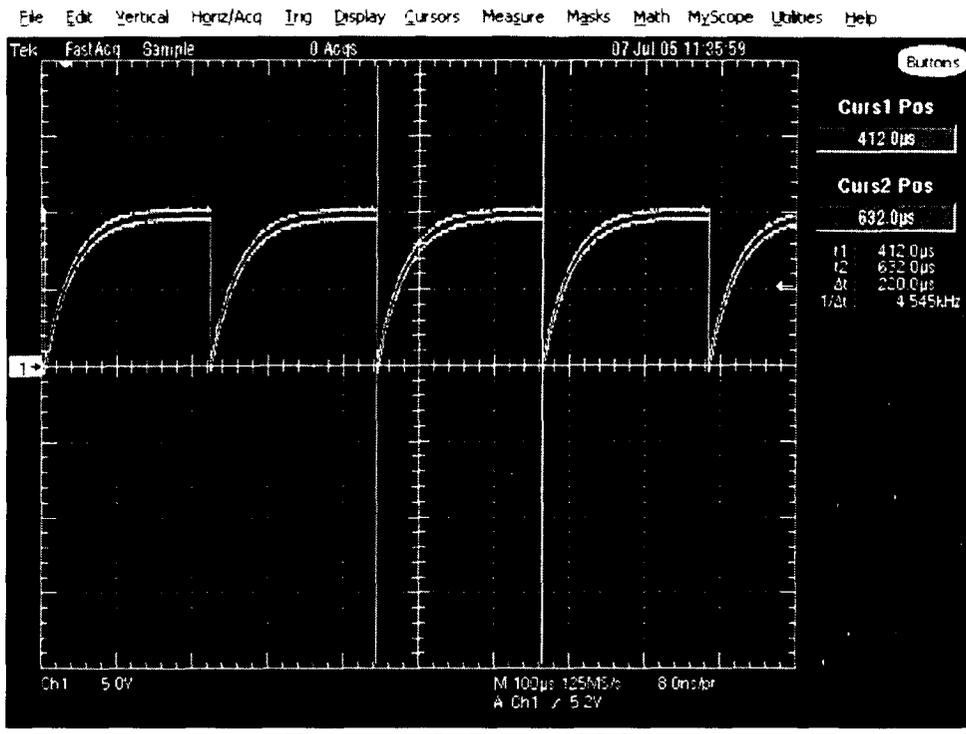
Waveform 5 is a pulsed exponential waveform operating at parameters given in SPEC1.



Waveform 5: $N_p = 20$, $T_{bw} = 4.4\text{msec}$



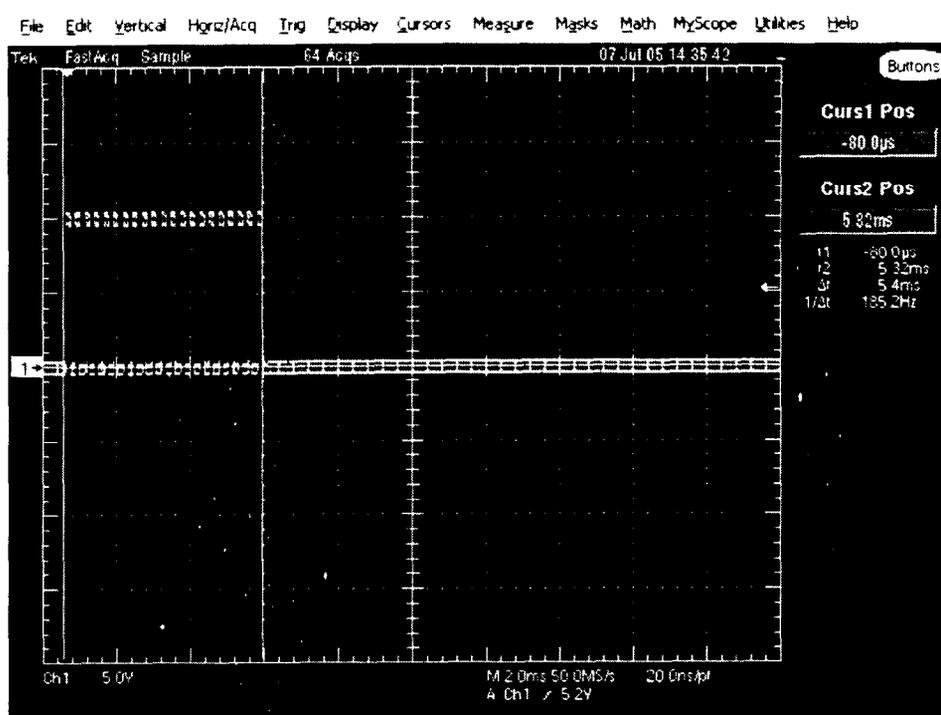
Waveform 5: $T_{bi} = 15.02\text{Hz}$



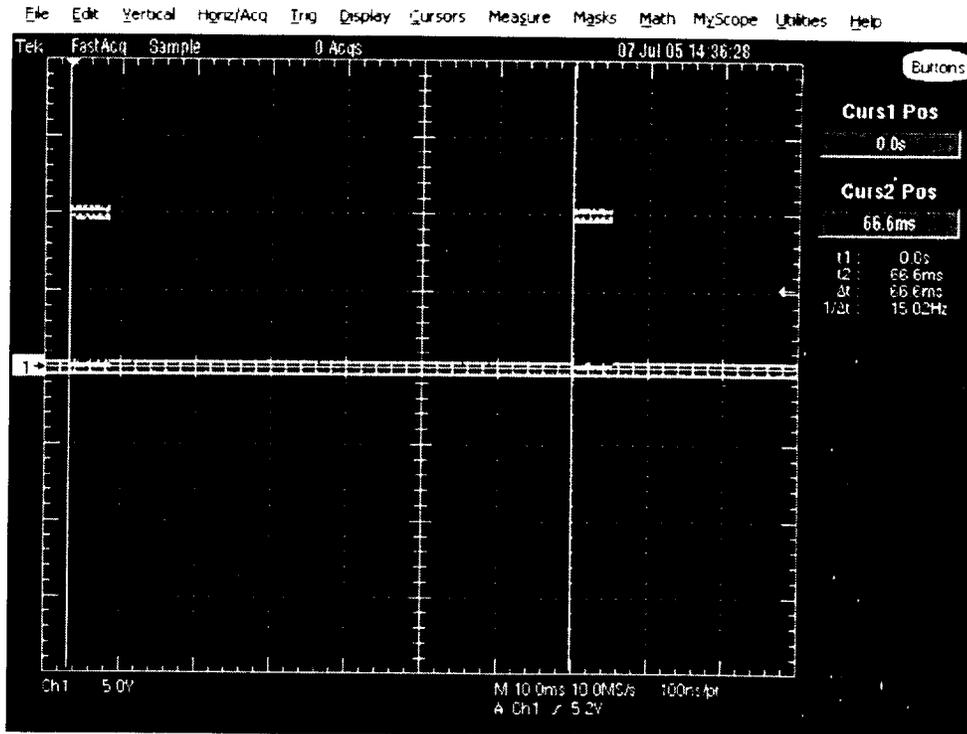
Waveform 5: $T_{pw} = 220.0\mu\text{sec}$

II. Waveforms Generated from SPEC2

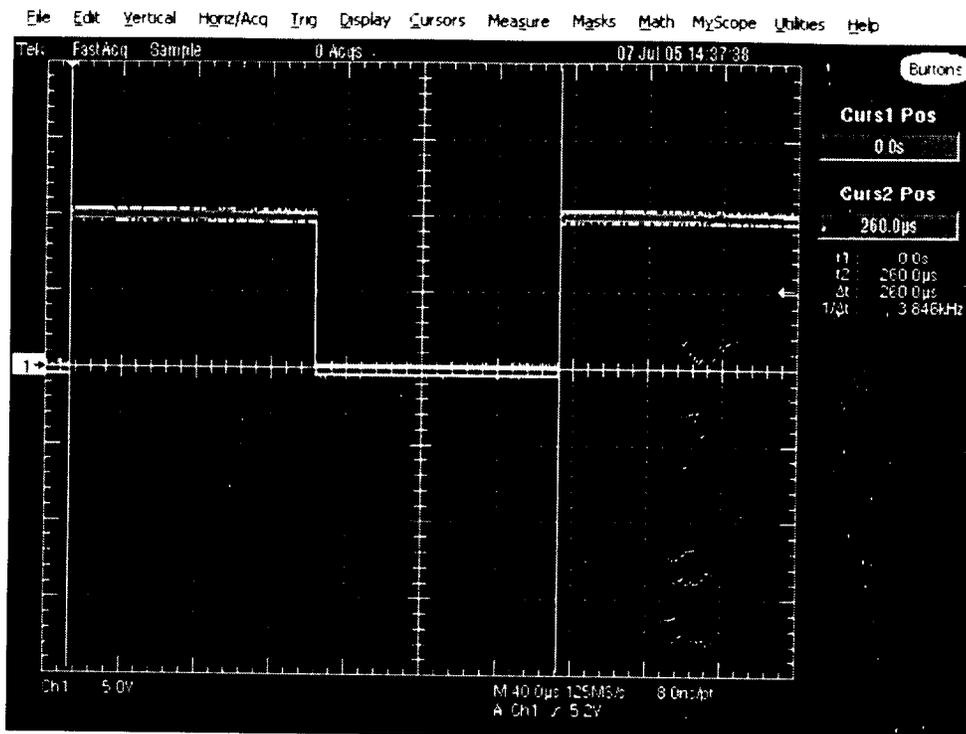
Waveform 1 is a pulsed square wave operating at parameters given in SPEC2.



Waveform 1: $N_p = 21$, $T_{bw} = 5.4\text{msec}$

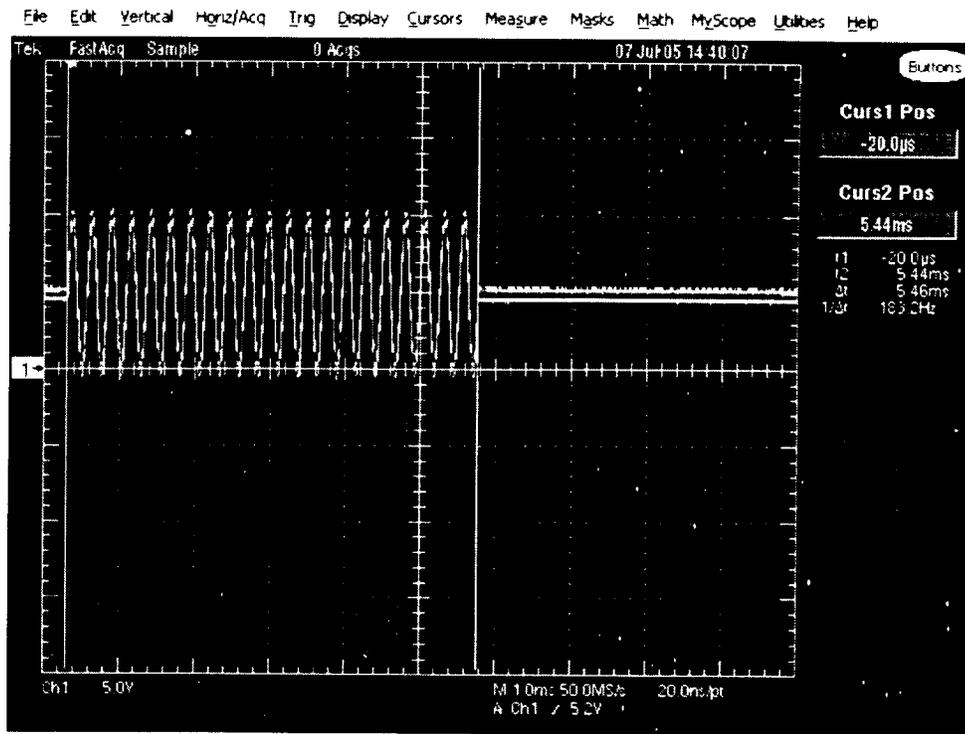


Waveform 1: $T_{bi} = 15.02\text{Hz}$

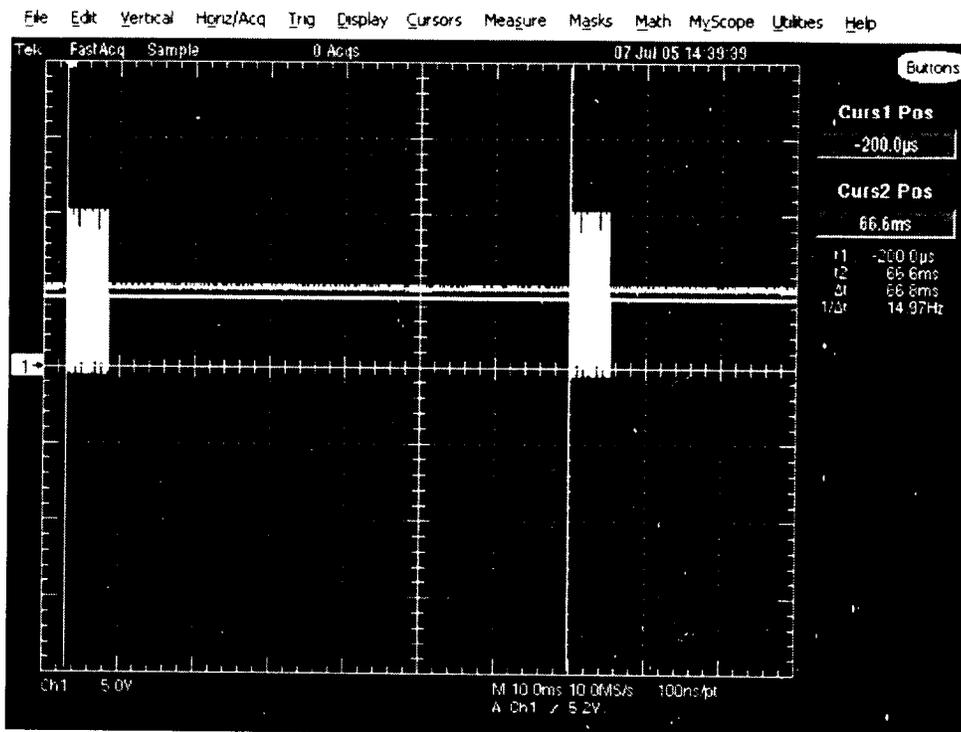


Waveform 1: $T_{pw} = 260\mu\text{sec}$

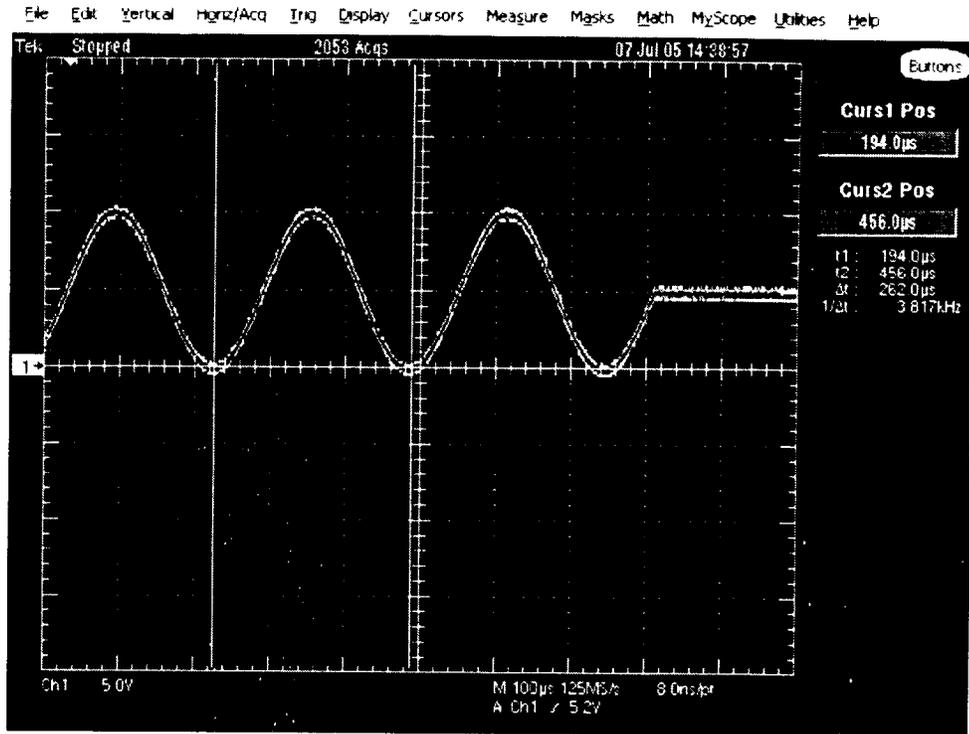
Waveform 2 is a pulsed sine operating at parameters given in SPEC2.



Waveform 2: $N_p = 21$, $T_{bw} = 5.46\text{msec}$

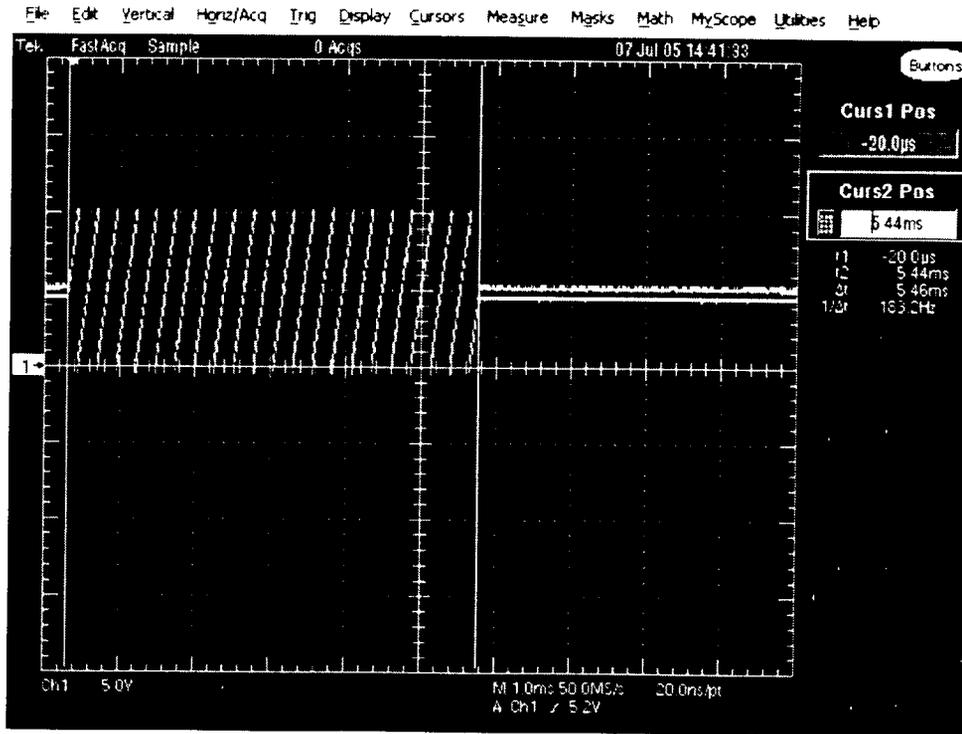


Waveform 2: $T_{bi} = 14.97\text{Hz}$

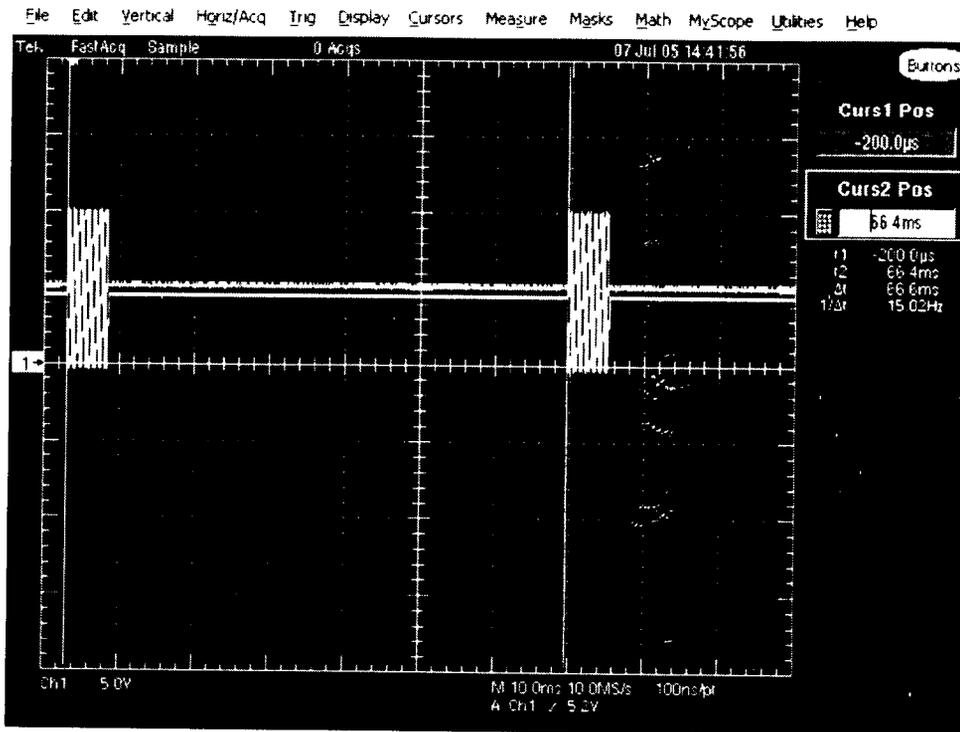


Waveform 2: $T_{pw} = 262\mu\text{sec}$

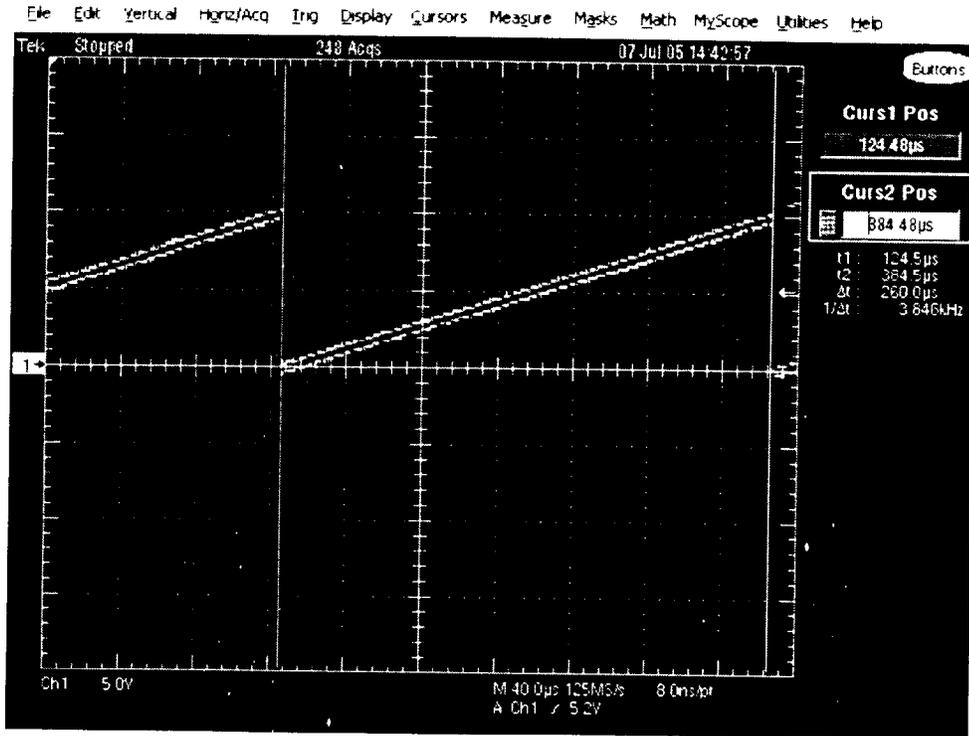
Waveform 3 is a pulsed ramp wave operating at parameters given in SPEC2.



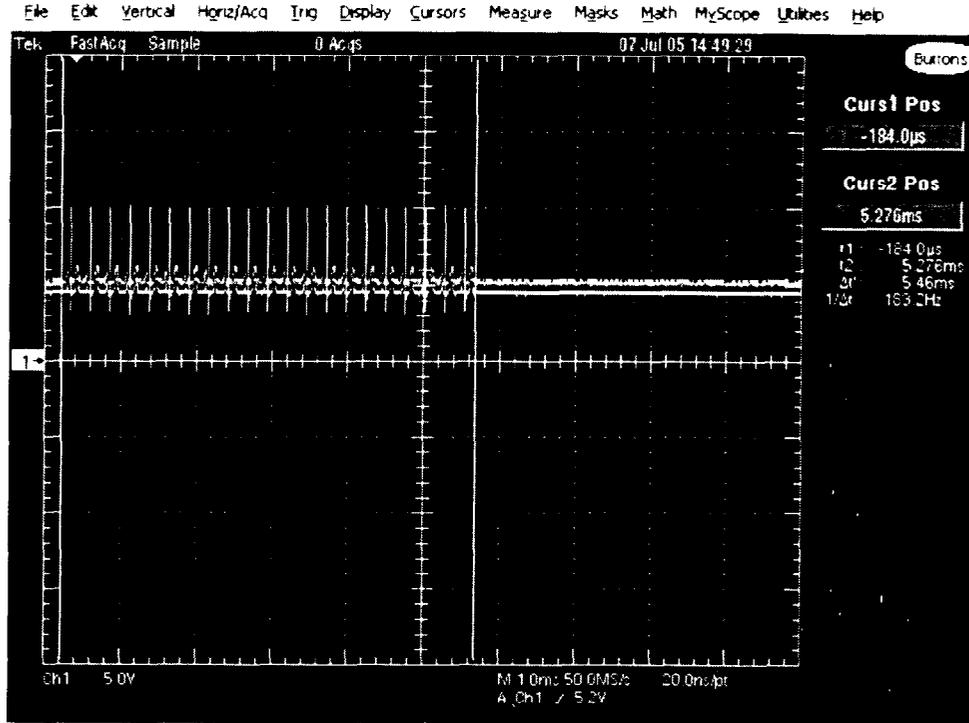
Waveform 3: $N_p = 21$, $T_{bw} = 5.46\text{msec}$



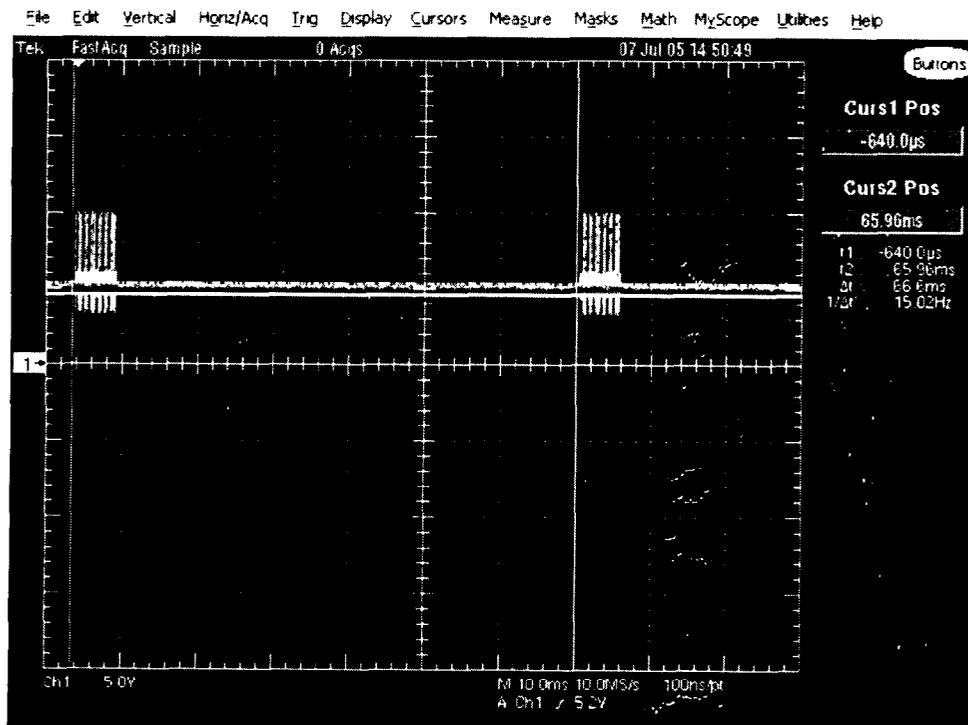
Waveform 3: $T_{bi} = 15.02\text{Hz}$



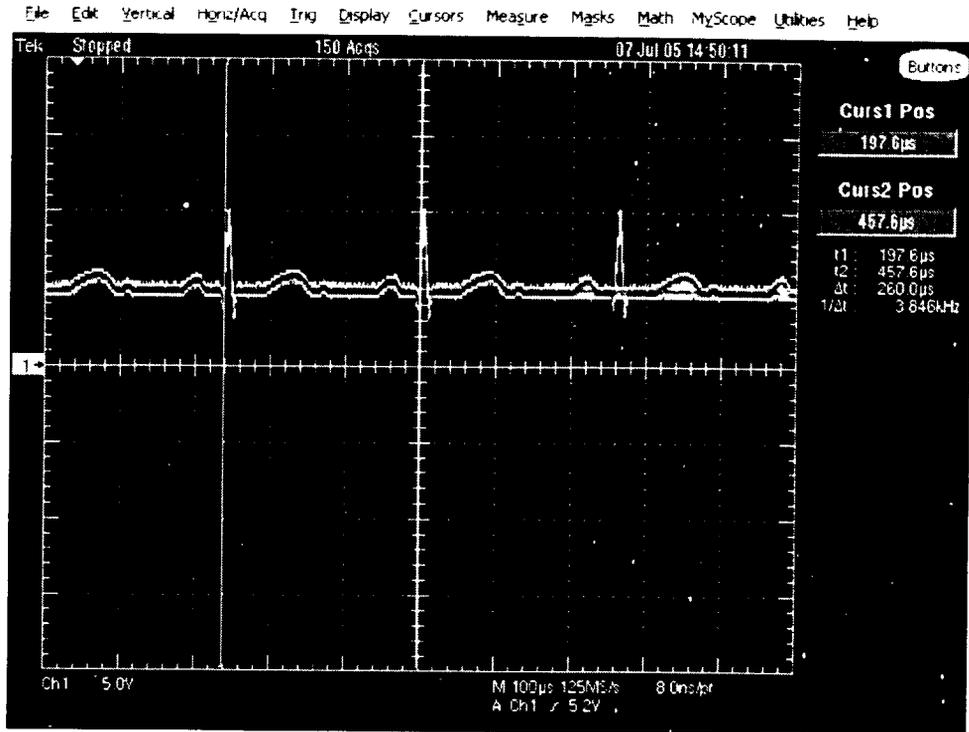
Waveform 4 is a pulsed cardiac waveform operating at parameters given in SPEC2.



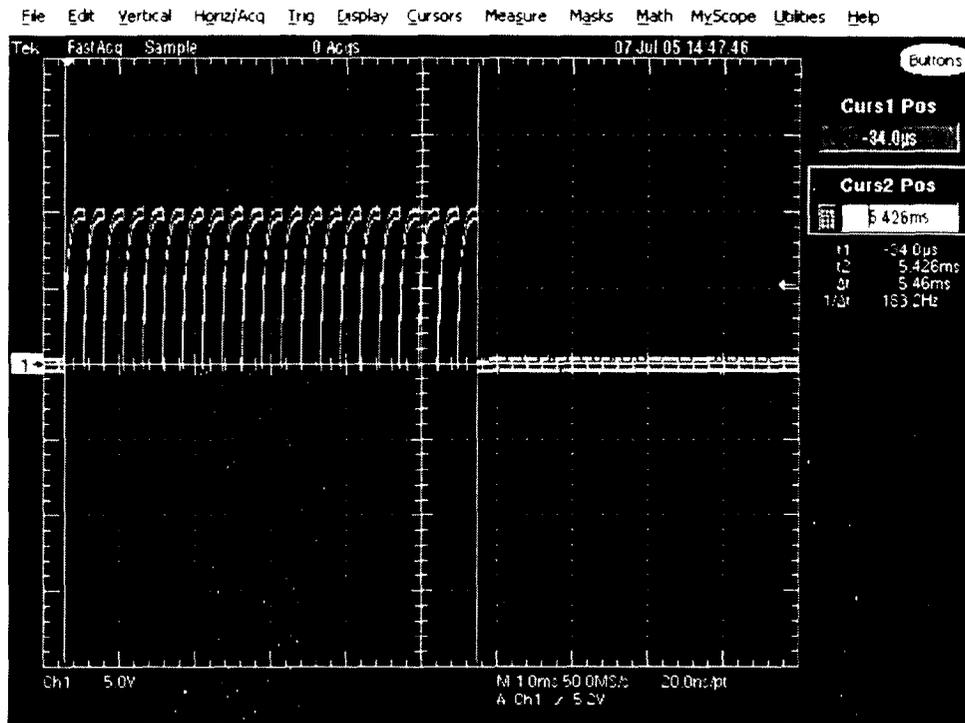
Waveform 4: $N_p = 21$, $T_{bw} = 5.46\text{msec}$



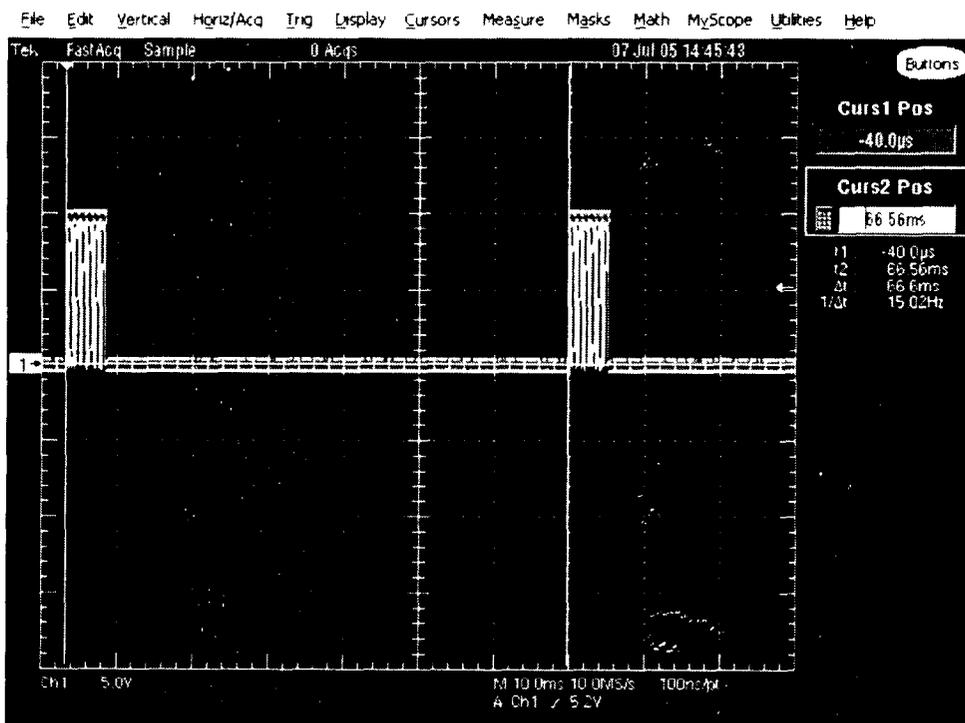
Waveform 4: $T_{bi} = 15.02\text{Hz}$



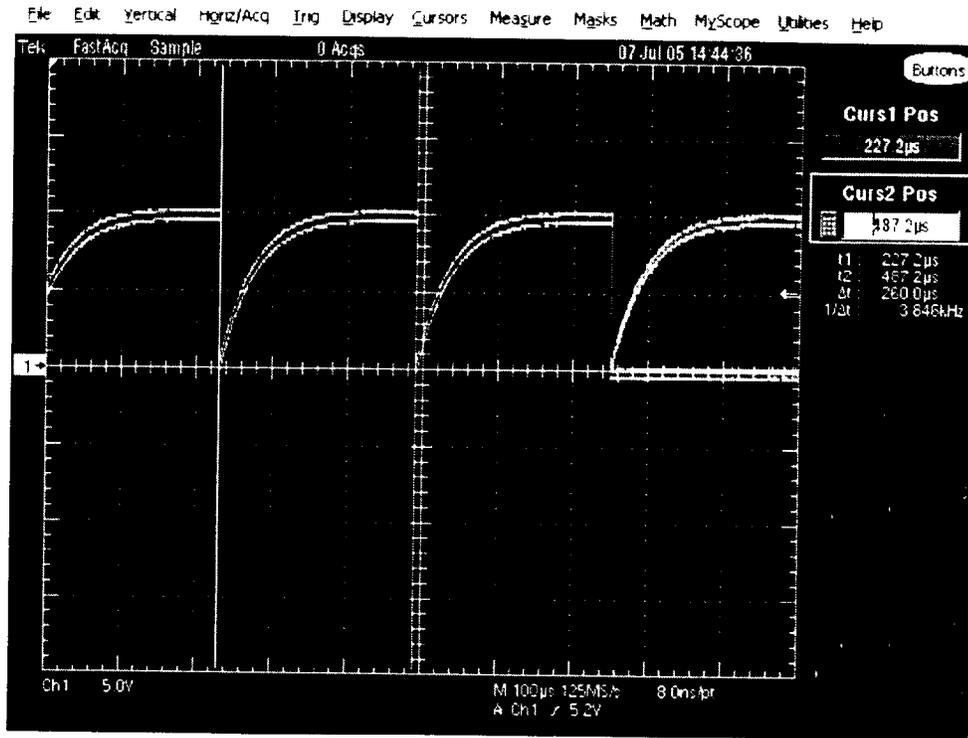
Waveform 5 is a pulsed exponential waveform operating at parameters given in SPEC2



Waveform 5: $N_p = 21$, $T_{bw} = 5.46\text{msec}$



Waveform 5: $T_{bi} = 15.02\text{Hz}$



Waveform 5: $T_{pw} = 260.0\mu\text{sec}$