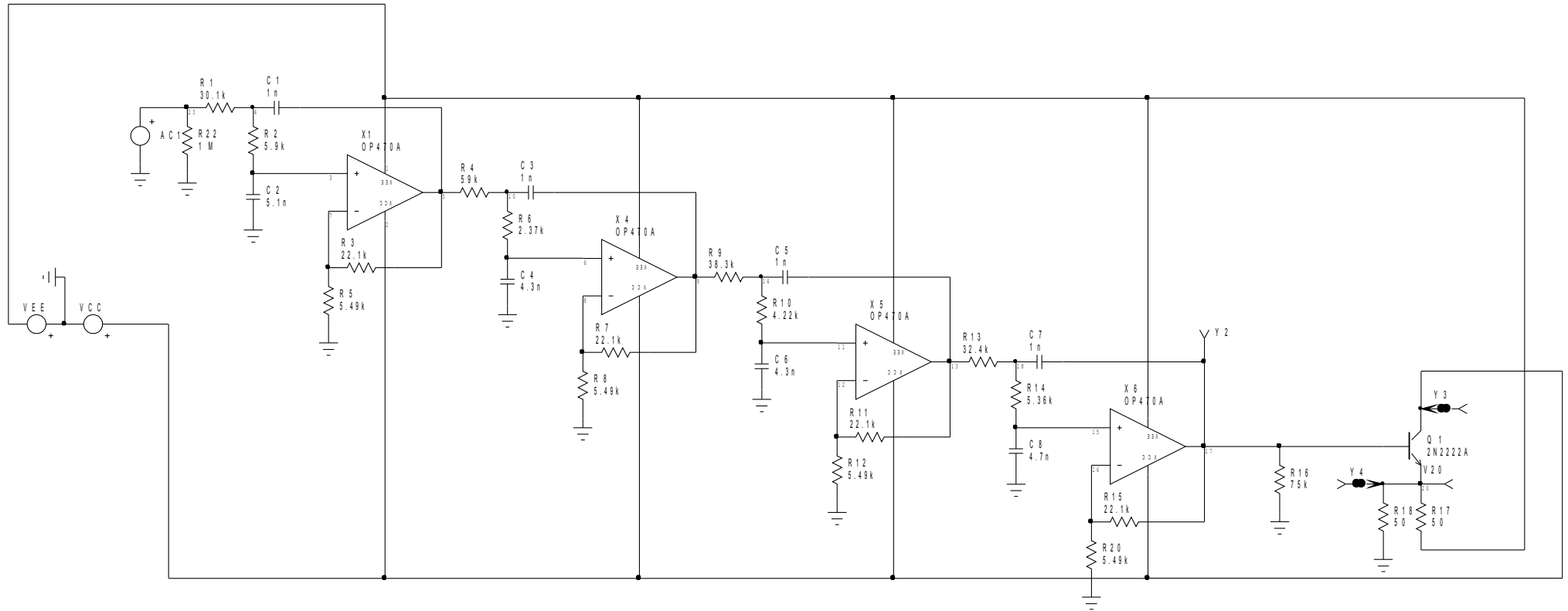


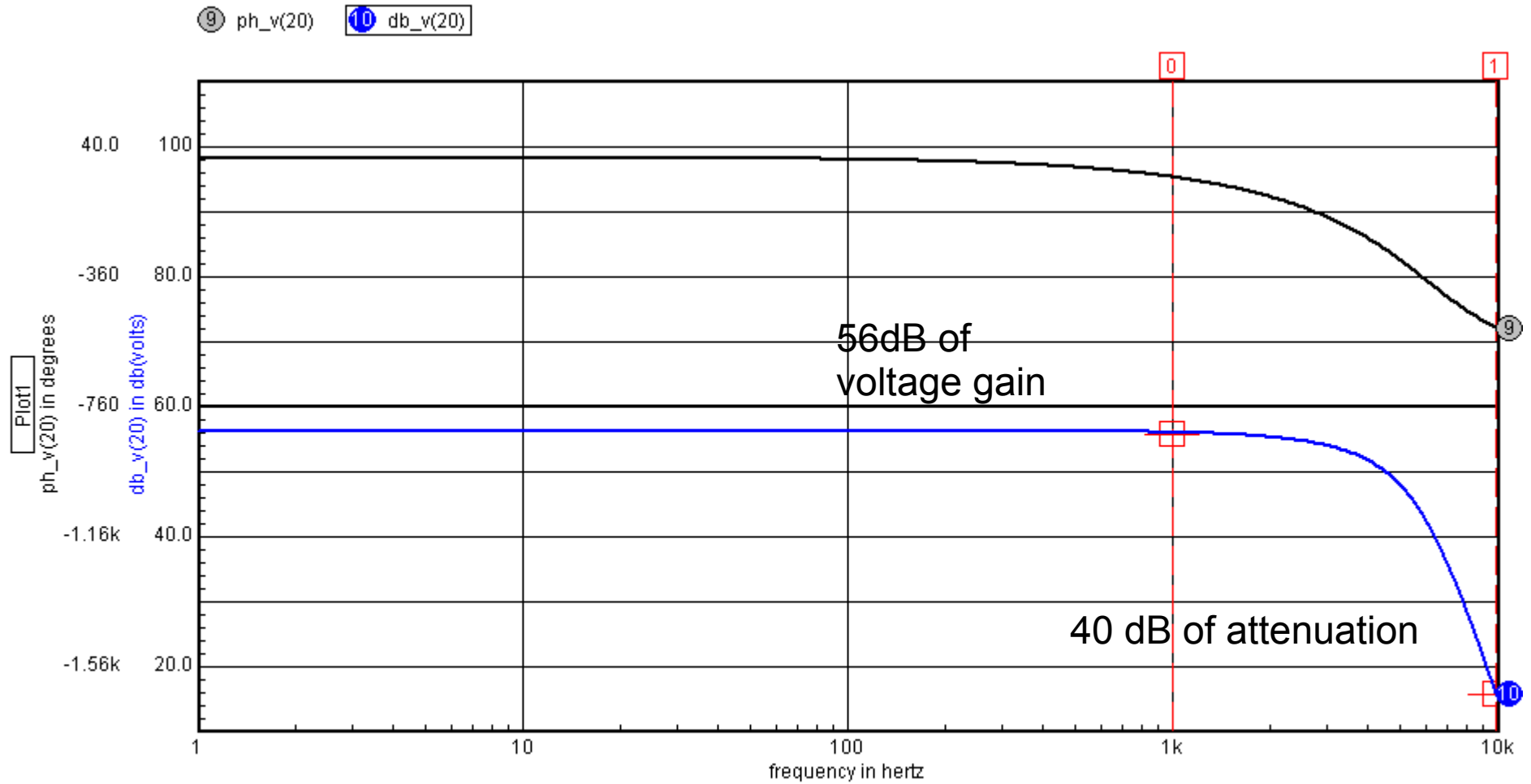
# High Gain 3kHz LPF for RFA

C.Y. Tan  
29 Jan 2008

# 3kHz Butterworth 8 channel filter



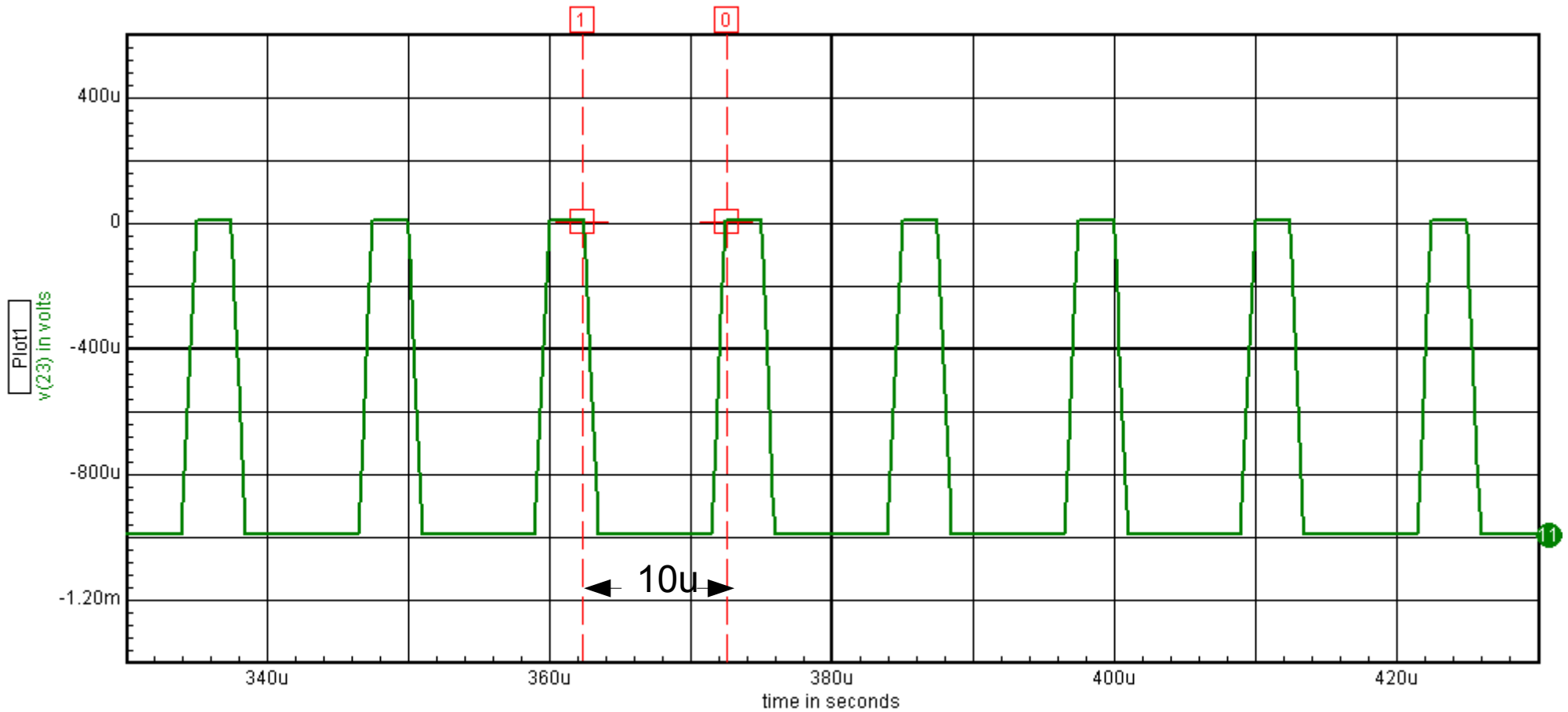
# Frequency Response



Cur. 0	0 to X	Y < -0	0 -> Y	Home	X: 1.00000k	Y: 55.6922	delta X: 9.00000k
Cur. 1	1 to X	Y < -1	1 -> Y	Home	X: 10.0000k	Y: 15.5390	delta Y: -40.1532

# Negative Pulses of electrons

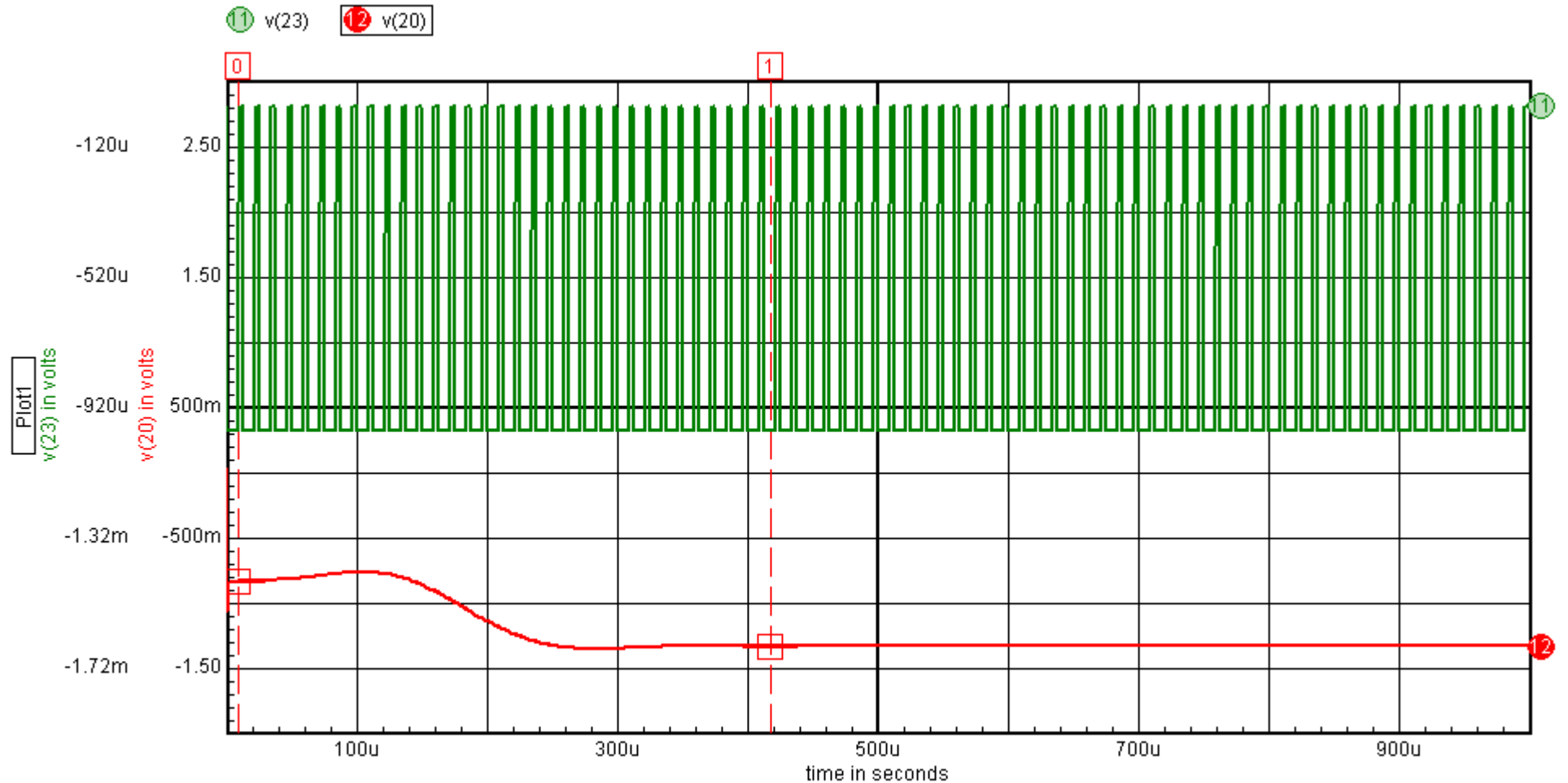
v(23)



Cur. 0	0 to X	Y < -0	0 -> Y	Home	X: 372.667u	Y: 0	delta X: -10.2222u
Cur. 1	1 to X	Y < -1	1 -> Y	Home	X: 362.444u	Y: 0	delta Y: 0

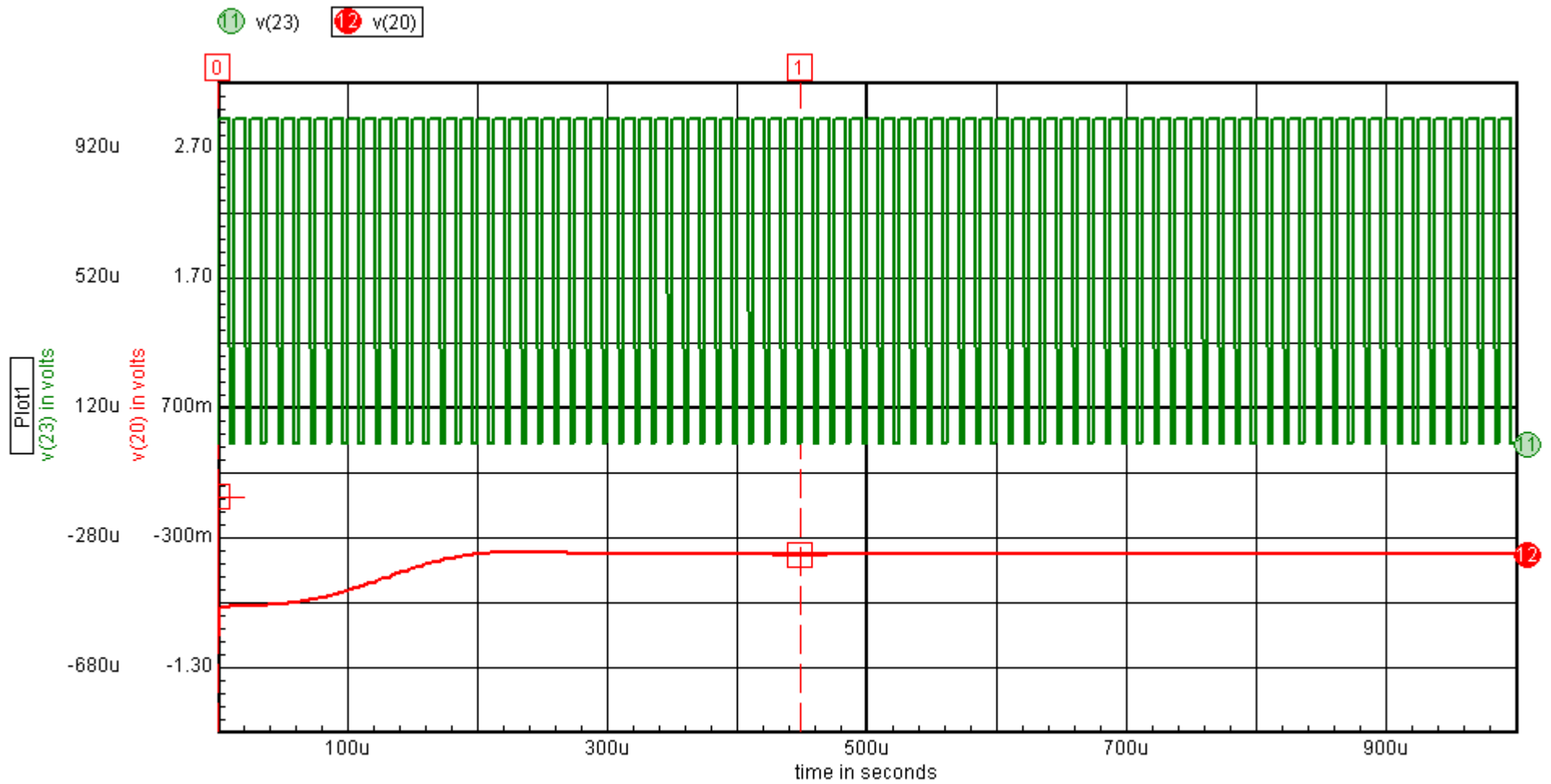
Help Cursors 0 and 1 Select

# Negative Electron Pulses (-1mVp)



Cur. 0	0 to X	Y <- 0	0 -> Y	Home	X: 8.75000u	Y: -849.443m	delta X: 408.750u
Cur. 1	1 to X	Y <- 1	1 -> Y	Home	X: 417.500u	Y: -1.34304	delta Y: -493.597m

# +1mVp pulses



Cur. 0	0 to X	Y <- 0	0 -> Y	Home	X: 0	Y: -2.94903E-017	delta X: 448.750u
Cur. 1	1 to X	Y <- 1	1 -> Y	Home	X: 448.750u	Y: -445.316m	delta Y: -445.316m

# Conclusion

- Circuit currently being drawn up by Ken Koch.
- Parts have been purchased, hopefully will be here in the next week or so.
- Prototype etched, assembled and ready for testing in about 2 weeks or so.