

Annexe 2

simulation

Ampli Yves Cochet Etude de FP1g – FS1g-1

Etude temporelle

signaux rectangulaires

Etude temporelle signaux rectangulaires

(sans charge R_c)

1 Hz – 10 Hz – 20 Hz – 100 Hz – 1000 Hz – 10 kHz – 20 kHz – 100 kHz – 1 MHz

Point de fonctionnement

Calculs

ECC81 1/2 préampli FS1.1g

$U_{ak} = +86,8V$

$U_{gk} = -1,447V$

$I_a = +1,447mA$

(Input G = 0V)

Point de fonctionnement

Prospice 7.05.01 Build 790

ECC81 1/2 préampli FS1.1g

$U_{ak} = +114V$

$U_{gk} = -1,28V$

$I_a = +1,28 mA$

(Input G = 0V)

Point de fonctionnement

Mesures:

ECC81 1/2 préampli FS1.1g

$U_{ak} = +$

$U_{gk} = -$

$I_a = +$

(Input G = 0V)

Datasheet ECC81 (Philips 1969)

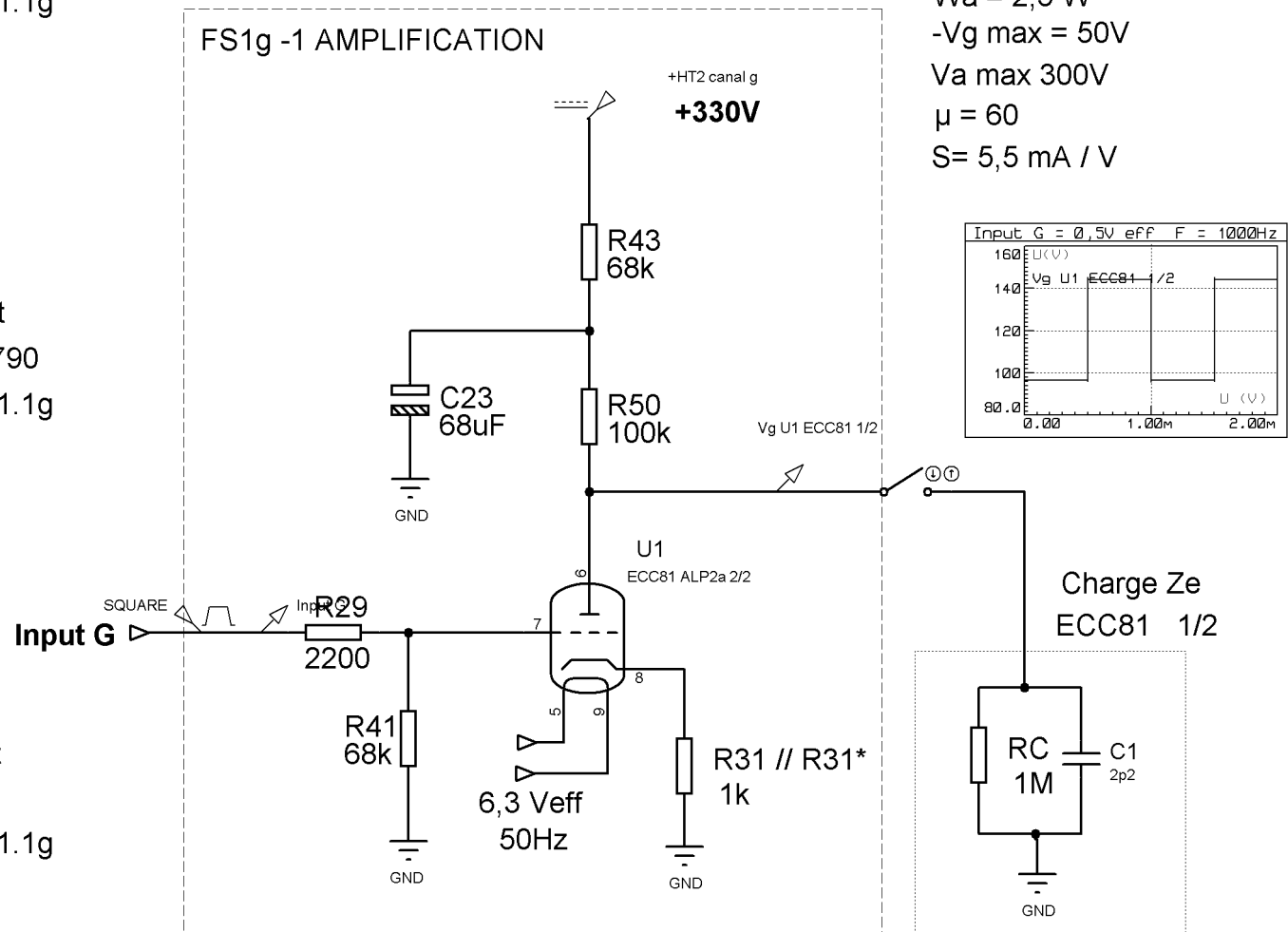
$W_a = 2,5 W$

$-V_g \max = 50V$

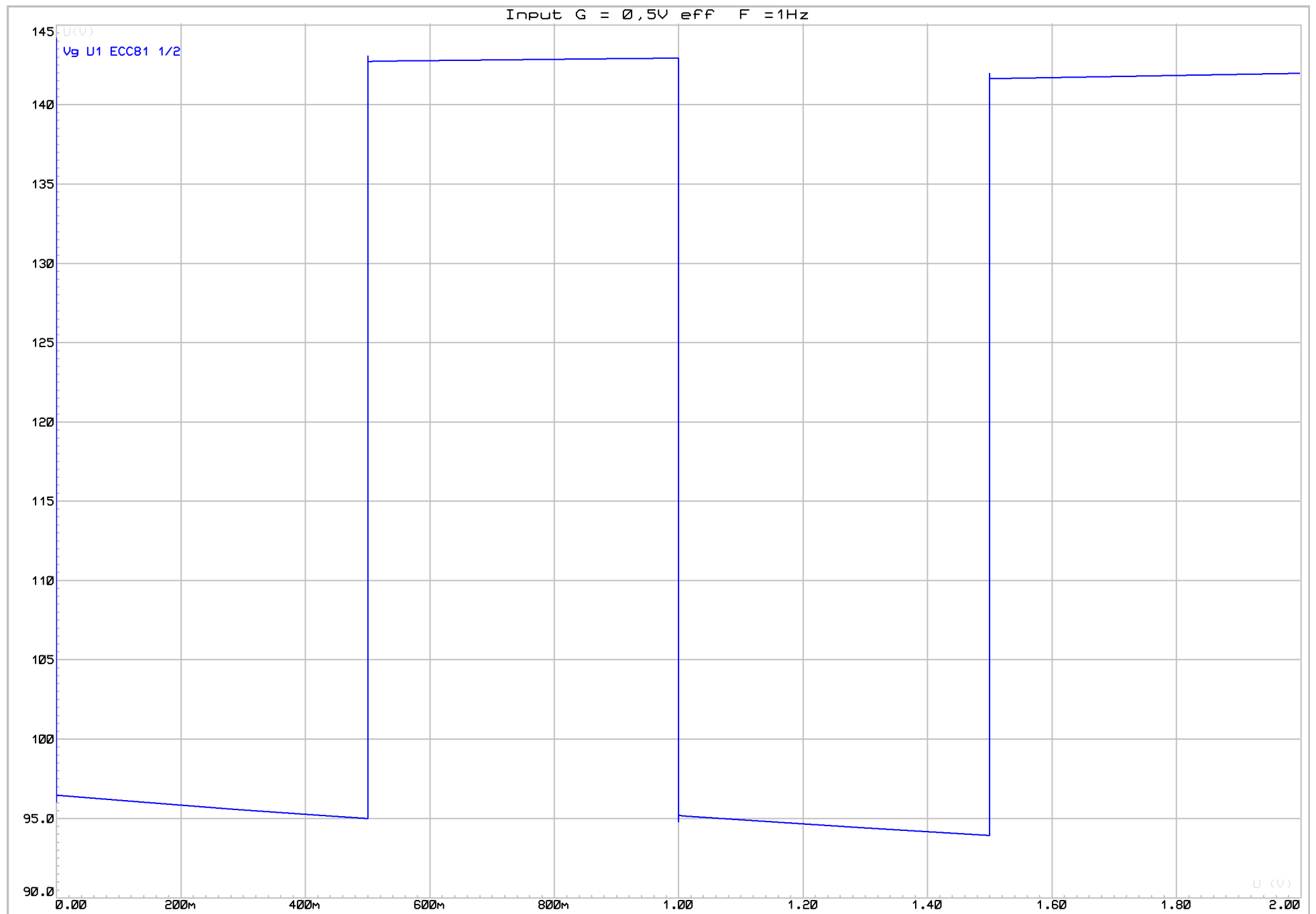
$V_a \max 300V$

$\mu = 60$

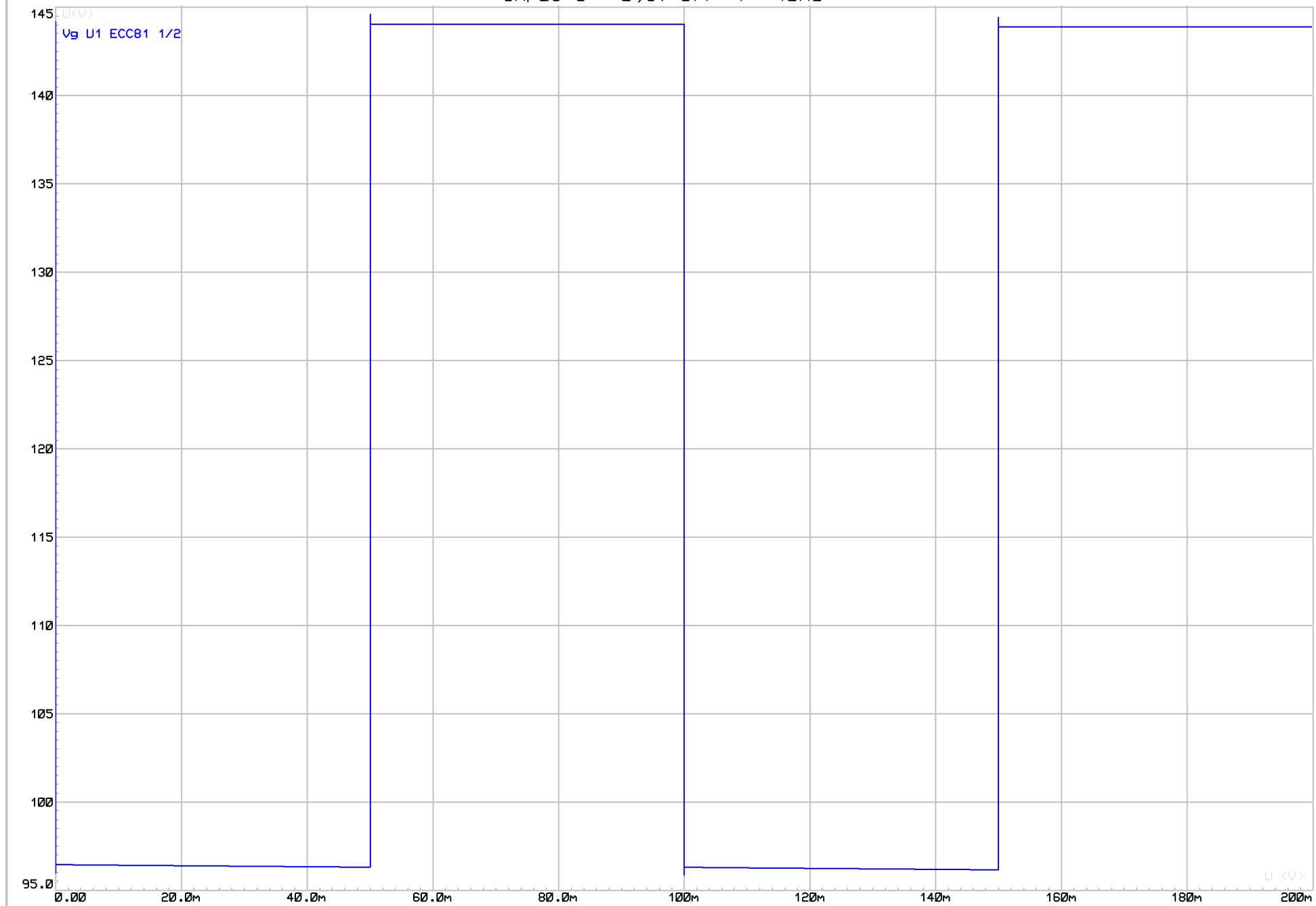
$S = 5,5 mA / V$



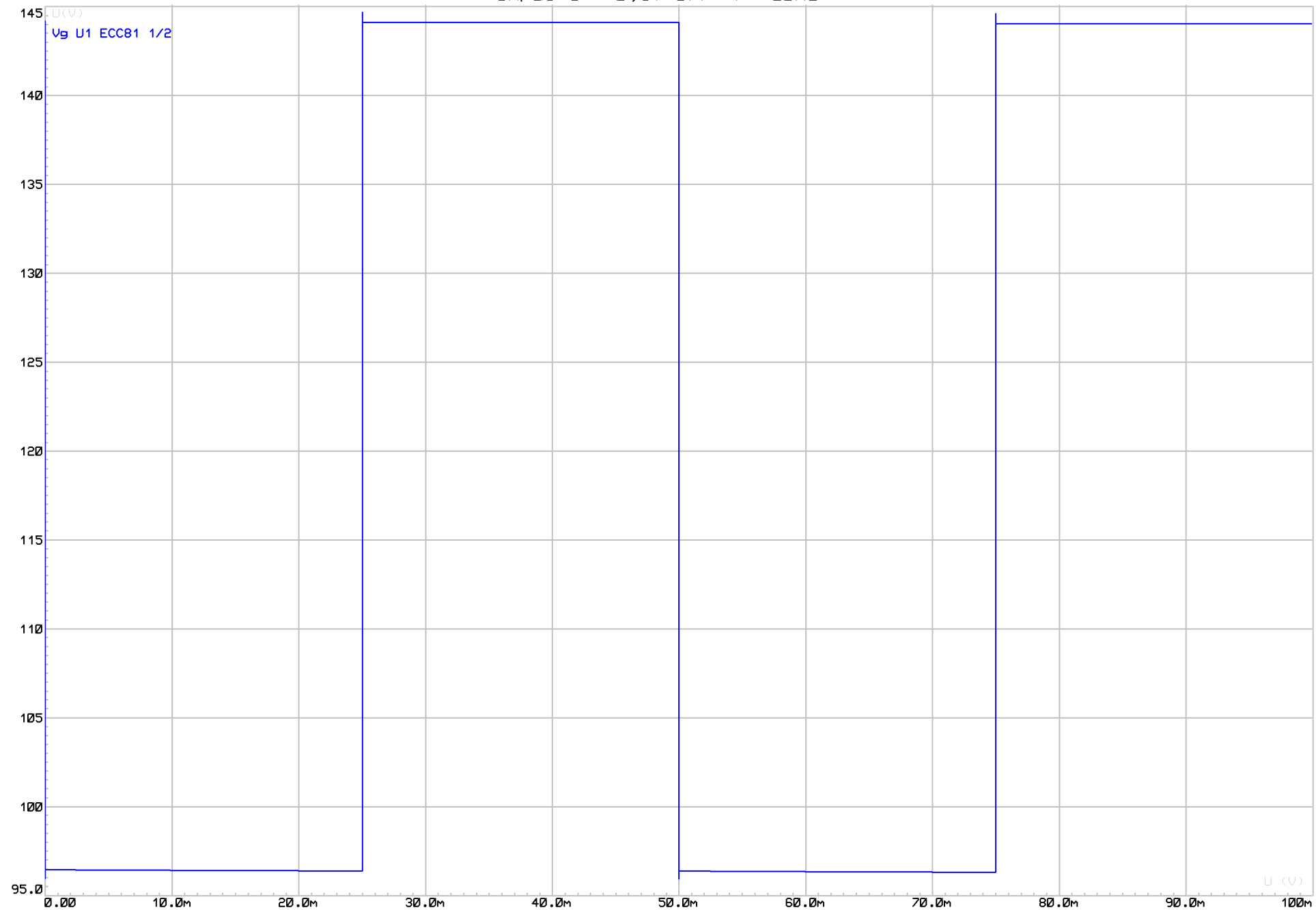
FILE NAME:	Ampli Yves Cochet Etude de FP1 g - FS1.1 générateur rectangulaire avec charge	DATE:	11/12/2012
DESIGN TITLE:	Ampli Yves COCHET ALP2a	PAGE:	1 of 1
PATH:	FS1g.- 1 amplification	TIME:	22:22:21
BY:	Didier VILLERS	REV:	1e

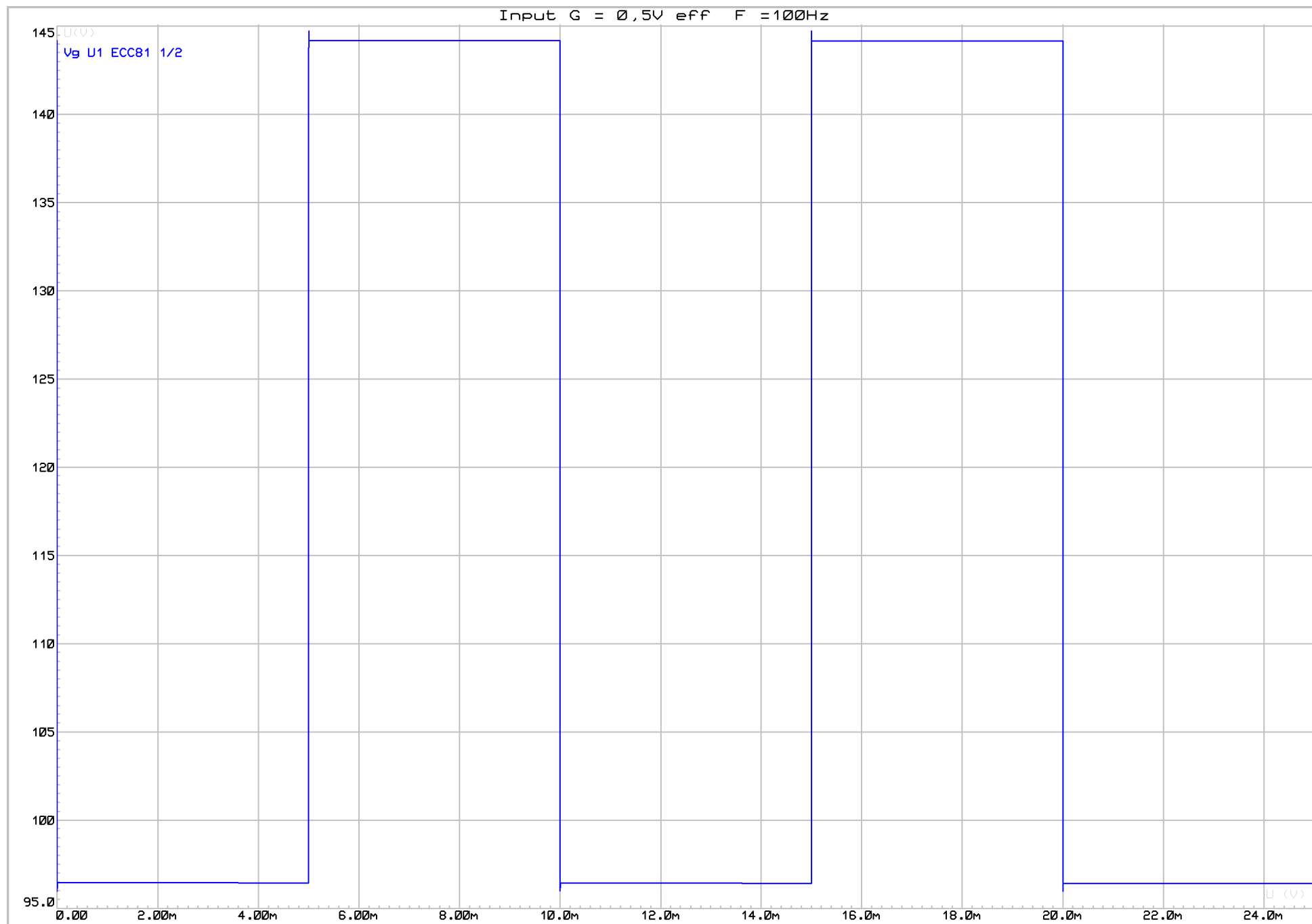


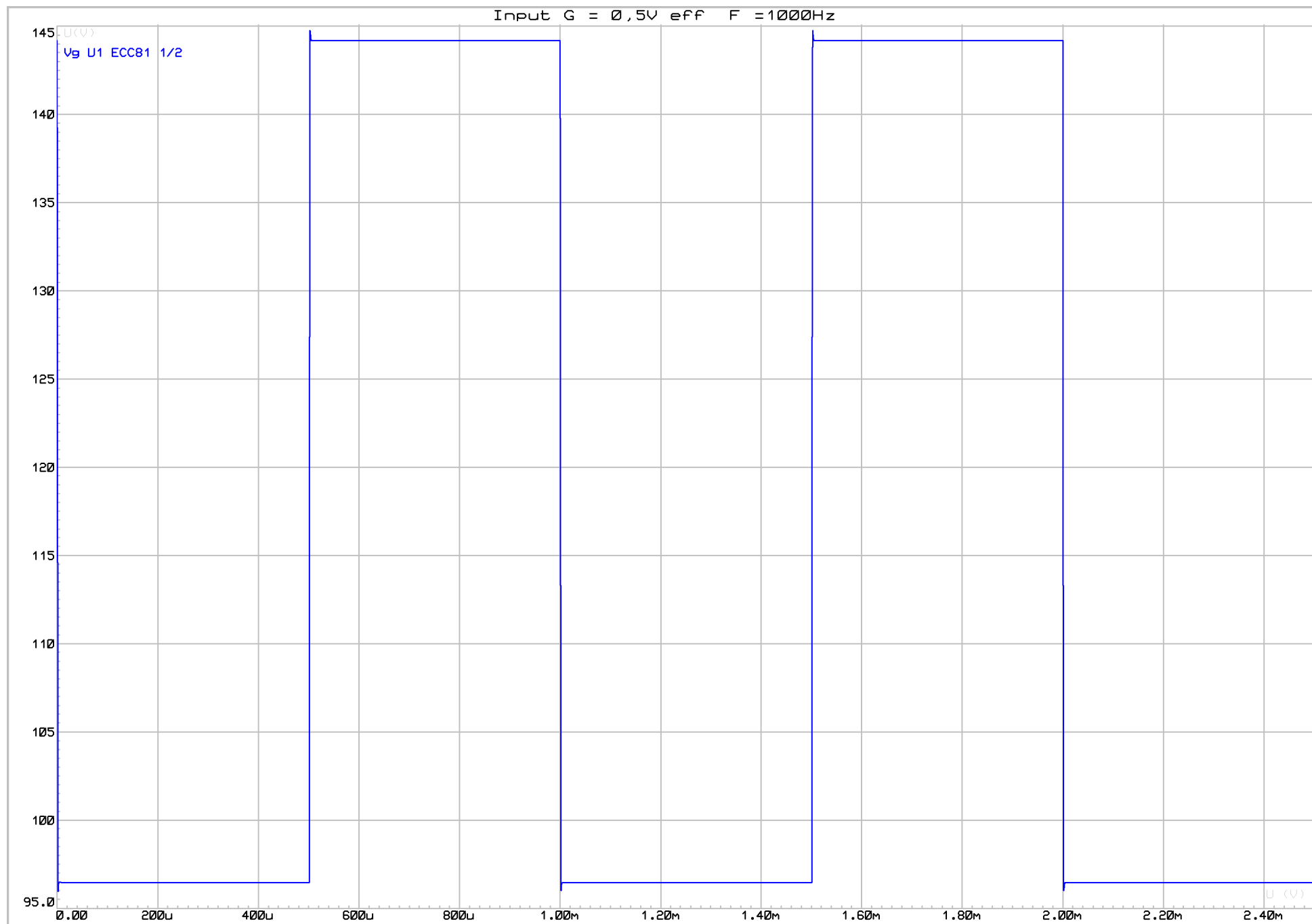
Input G = 0,5V eff F = 10Hz

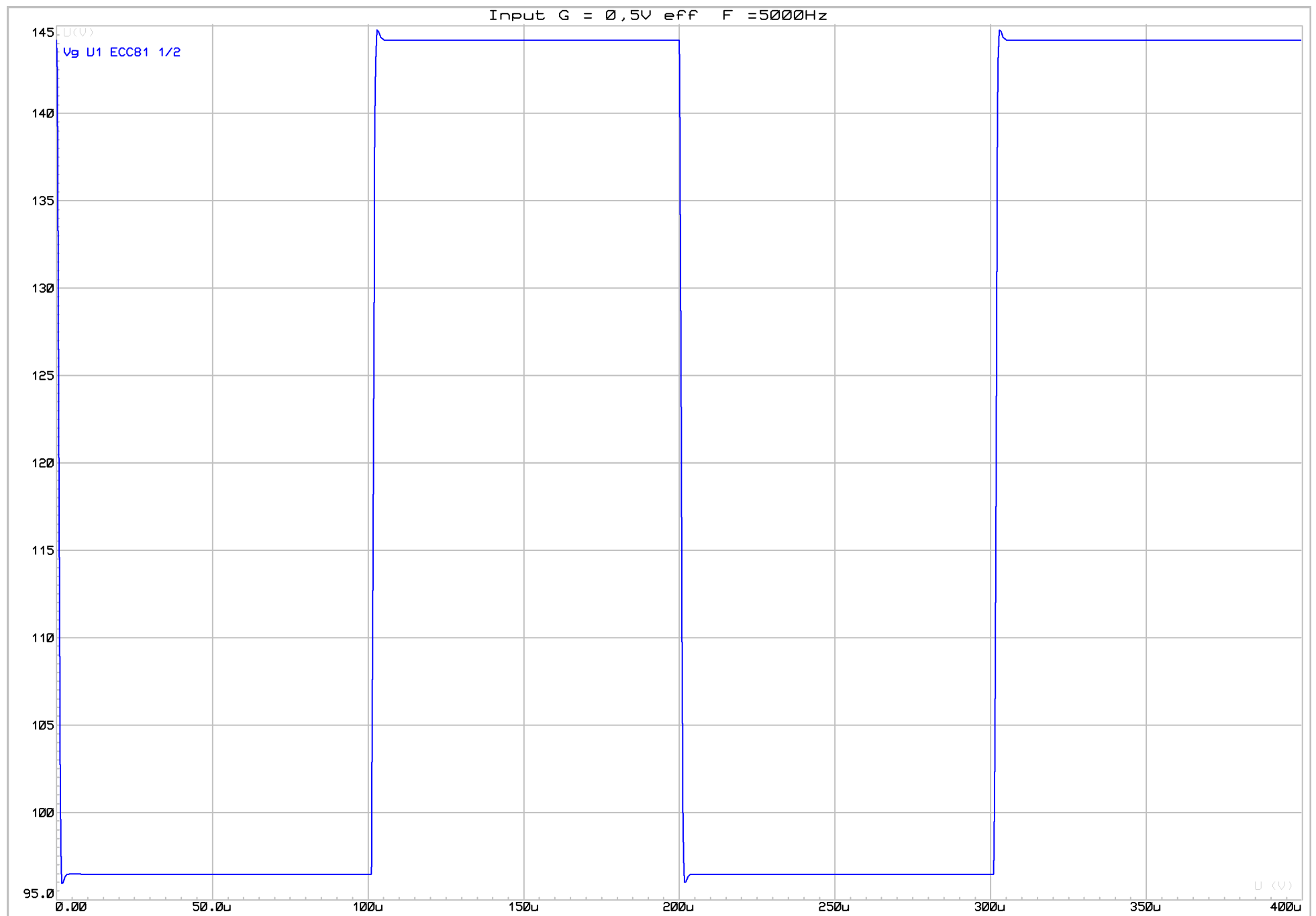


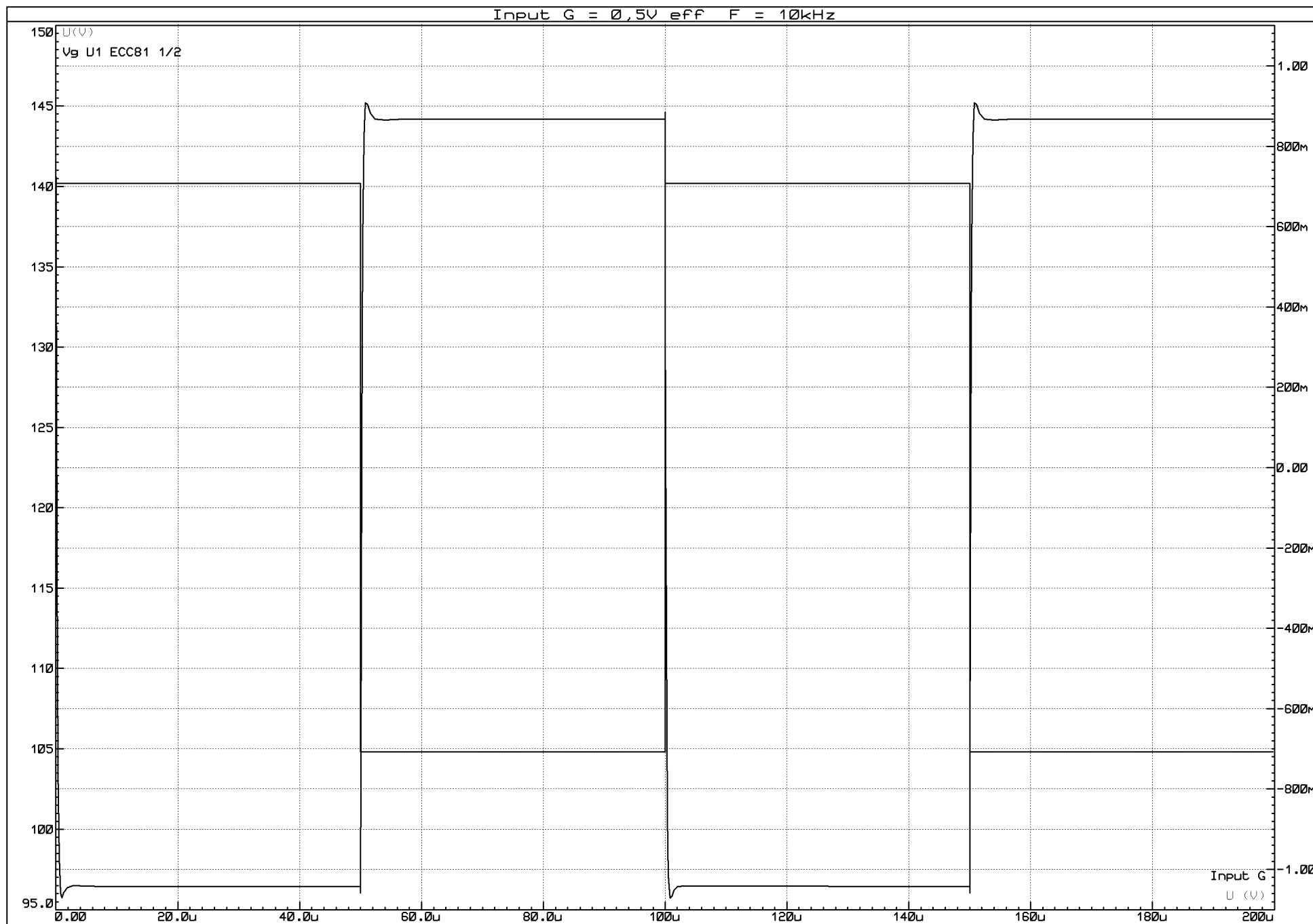
Input G = 0,5V eff F = 20Hz

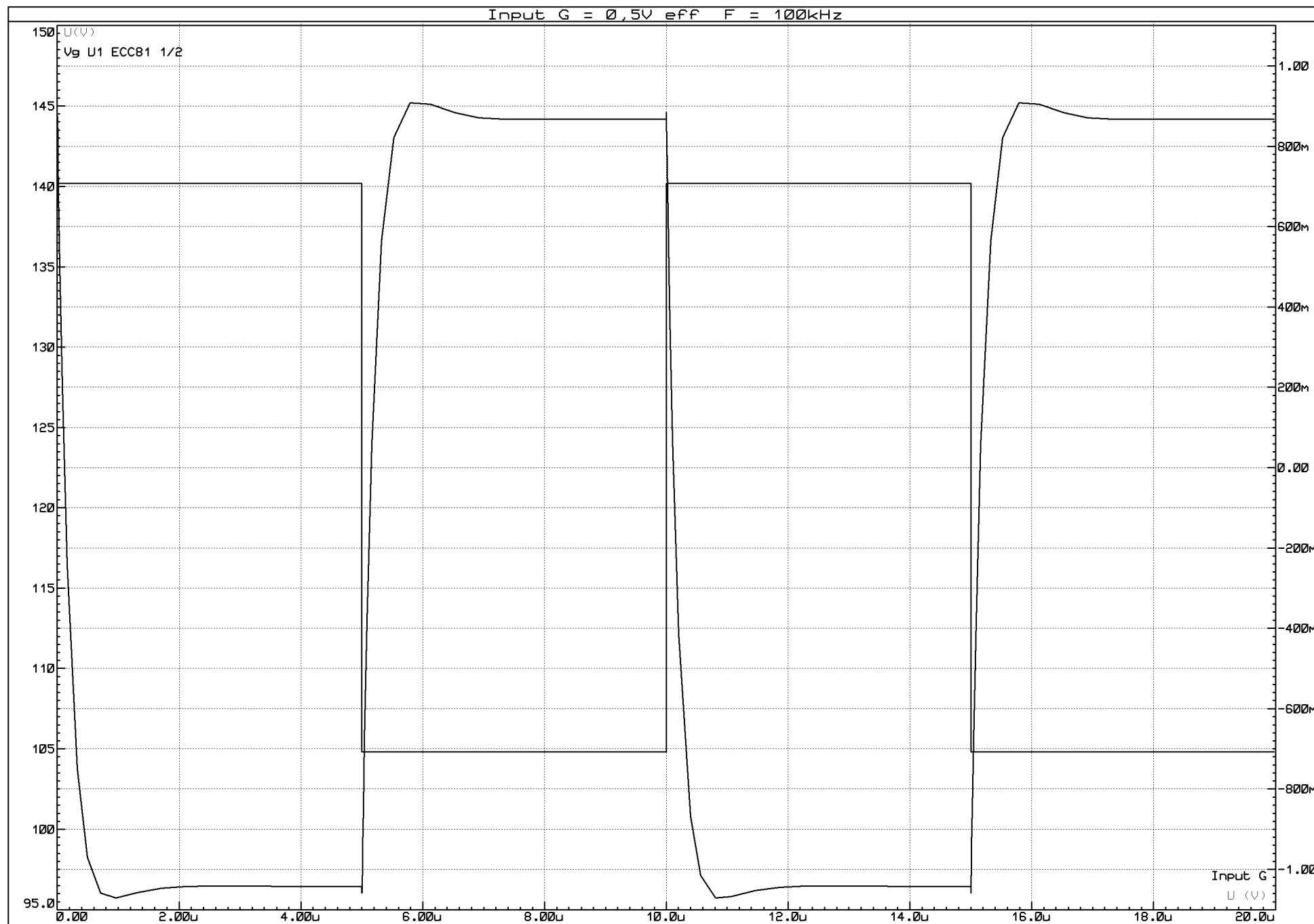




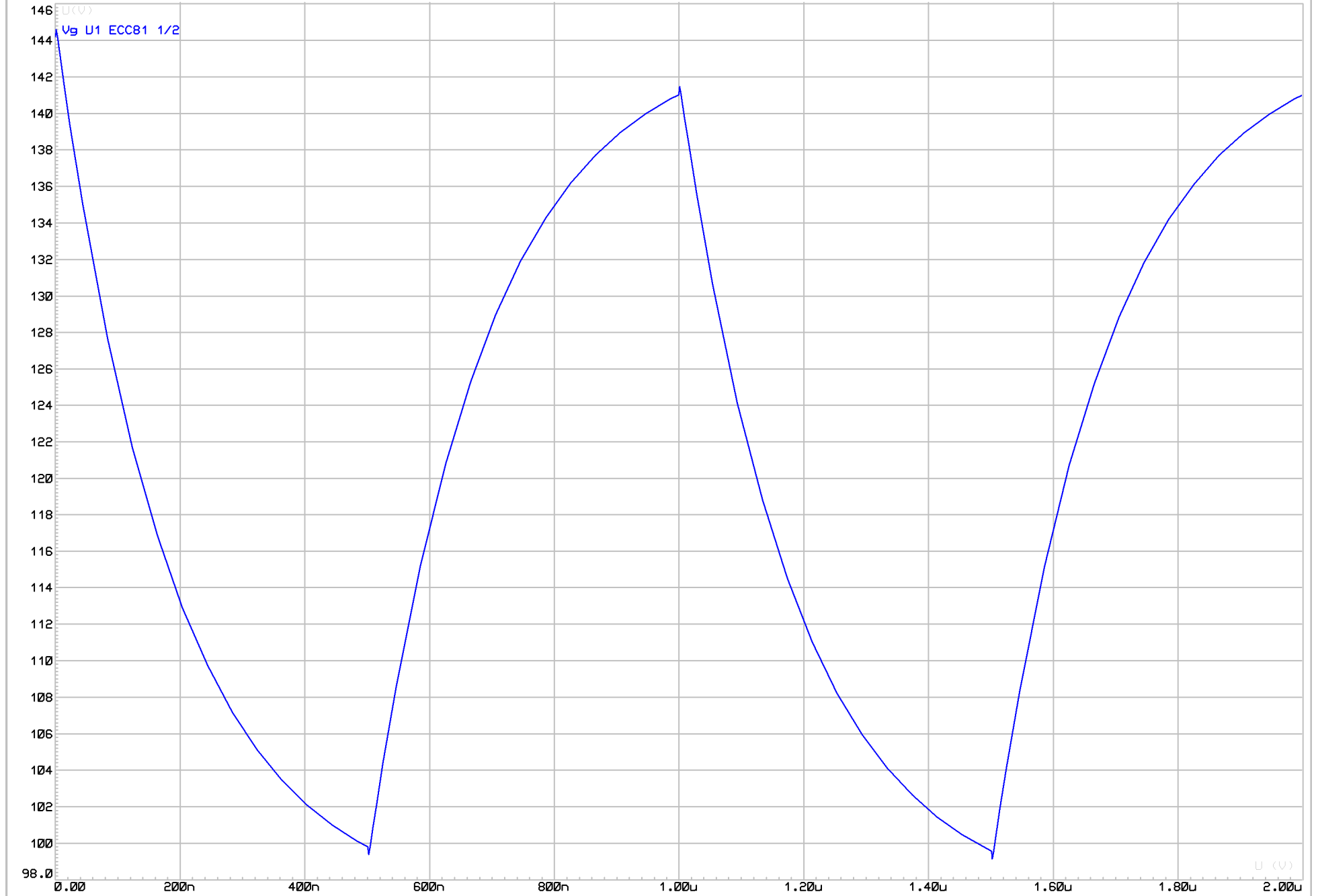








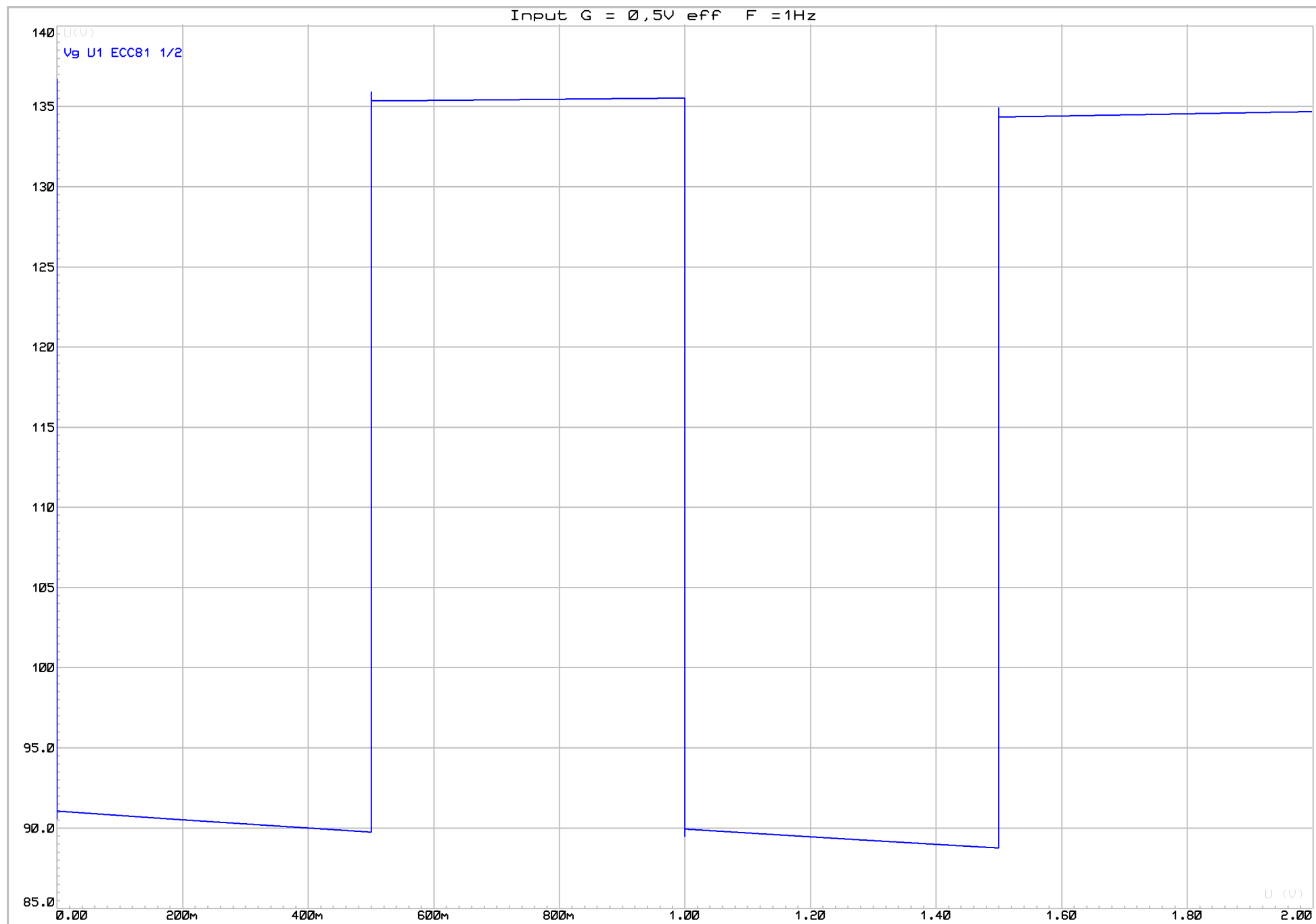
Input G = 0,5V eff F = 1MHz



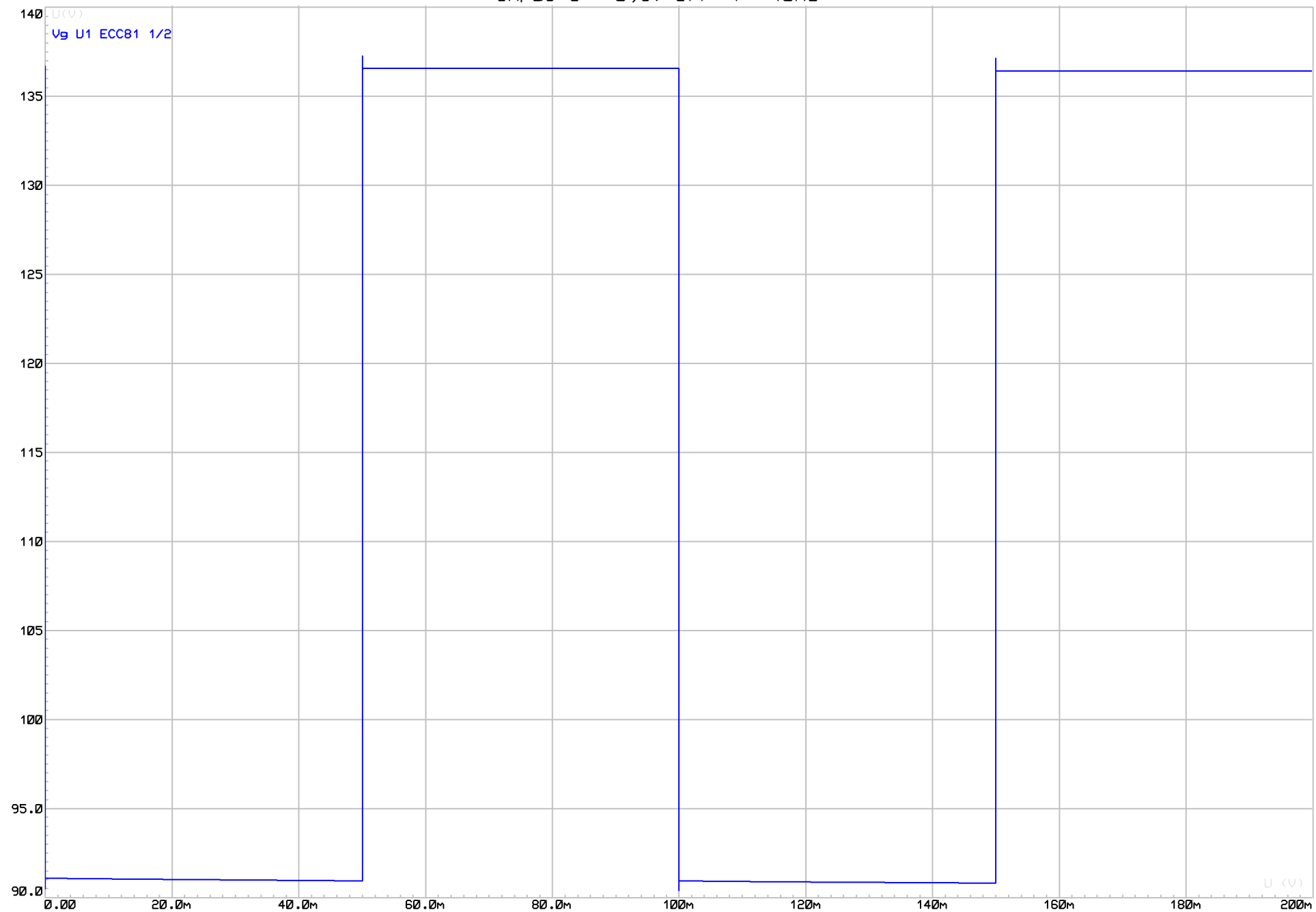
Etude temporelle signaux rectangulaires

(avec charge R_c)

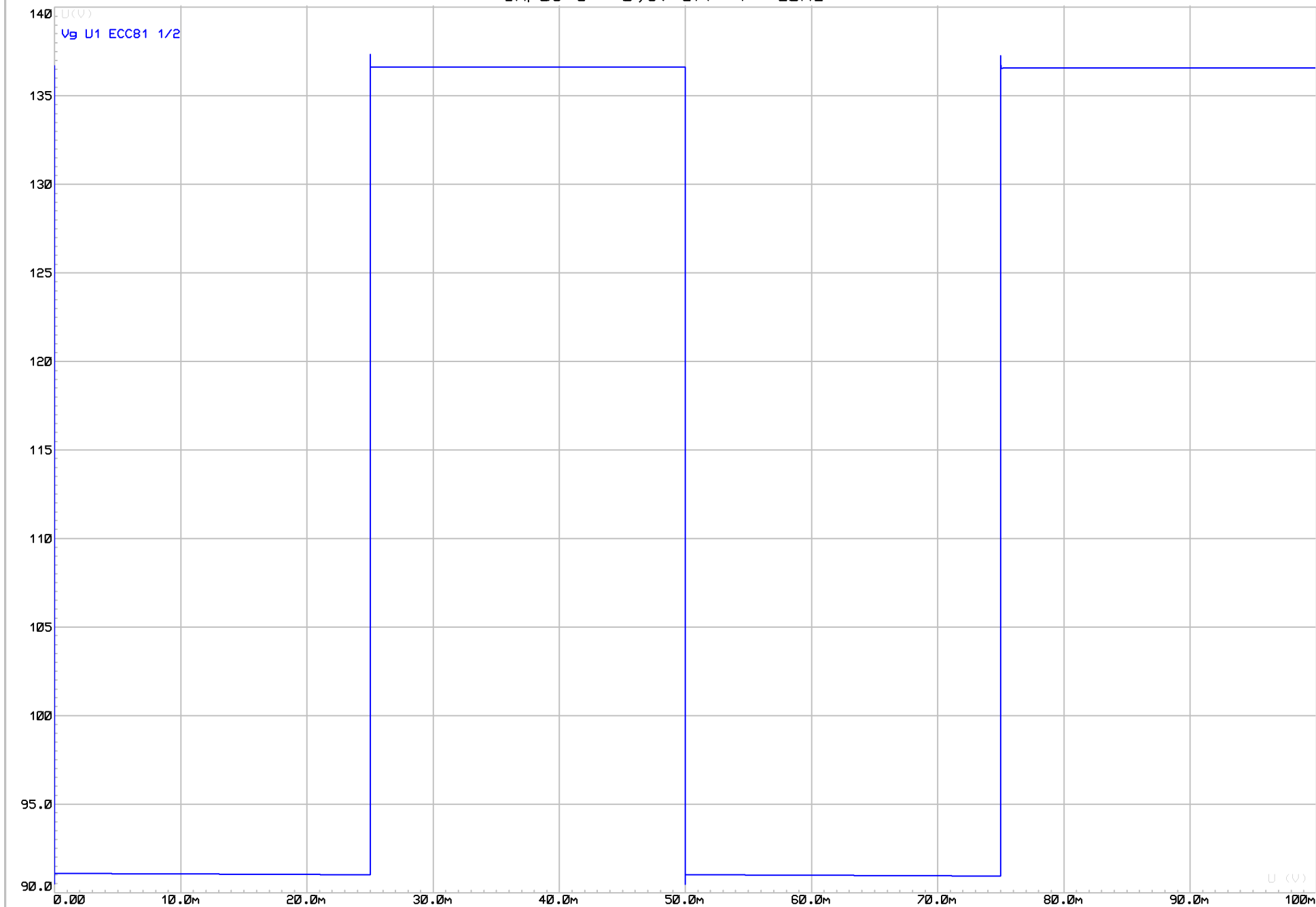
1 Hz – 10 Hz – 20 Hz – 100 Hz – 1000 Hz – 5000 Hz – 10 kHz – 20 kHz – 100 kHz – 500kHz – 1 MHz



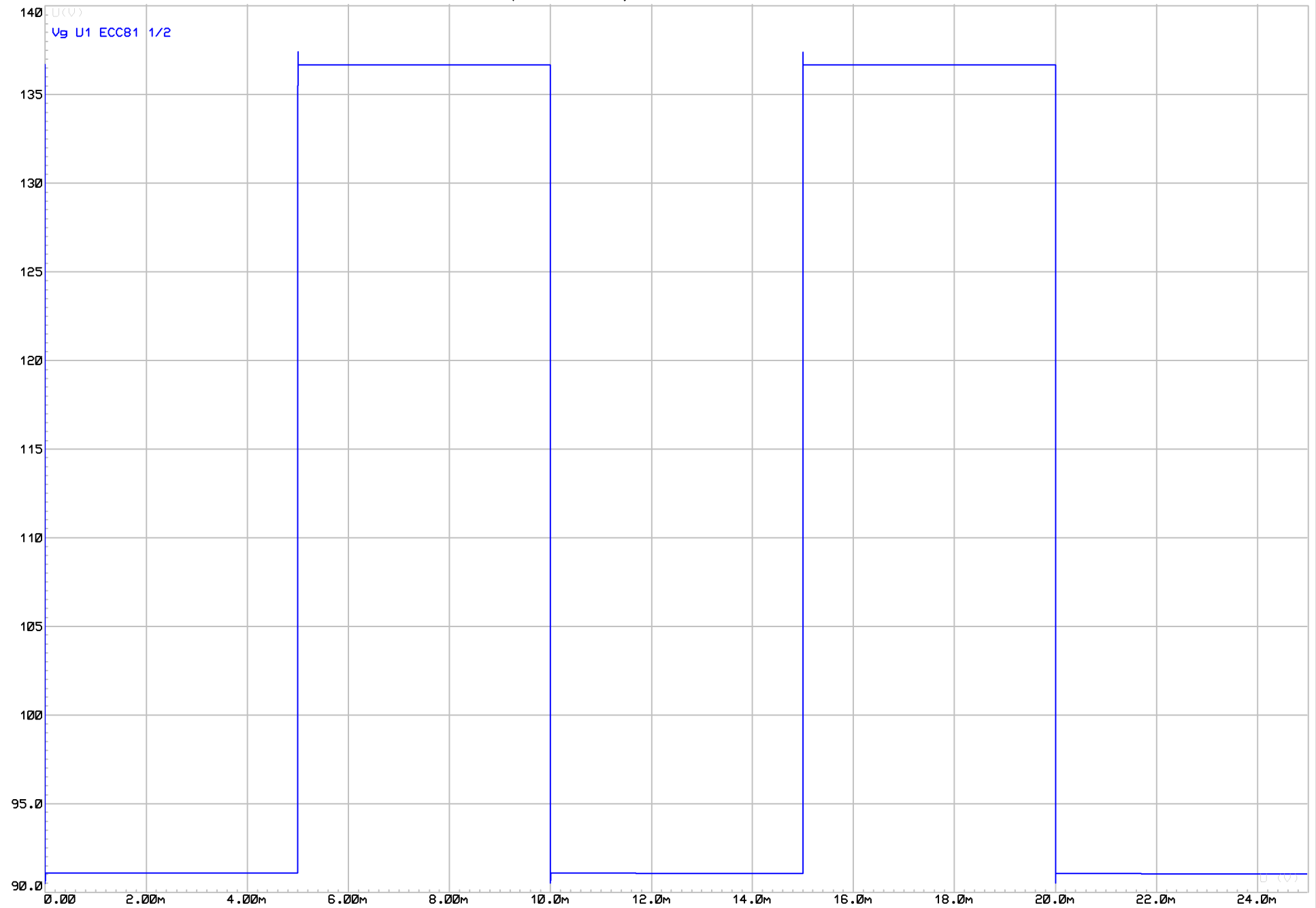
Input G = 0,5V eff F = 10Hz



Input G = 0,5V eff F = 20Hz

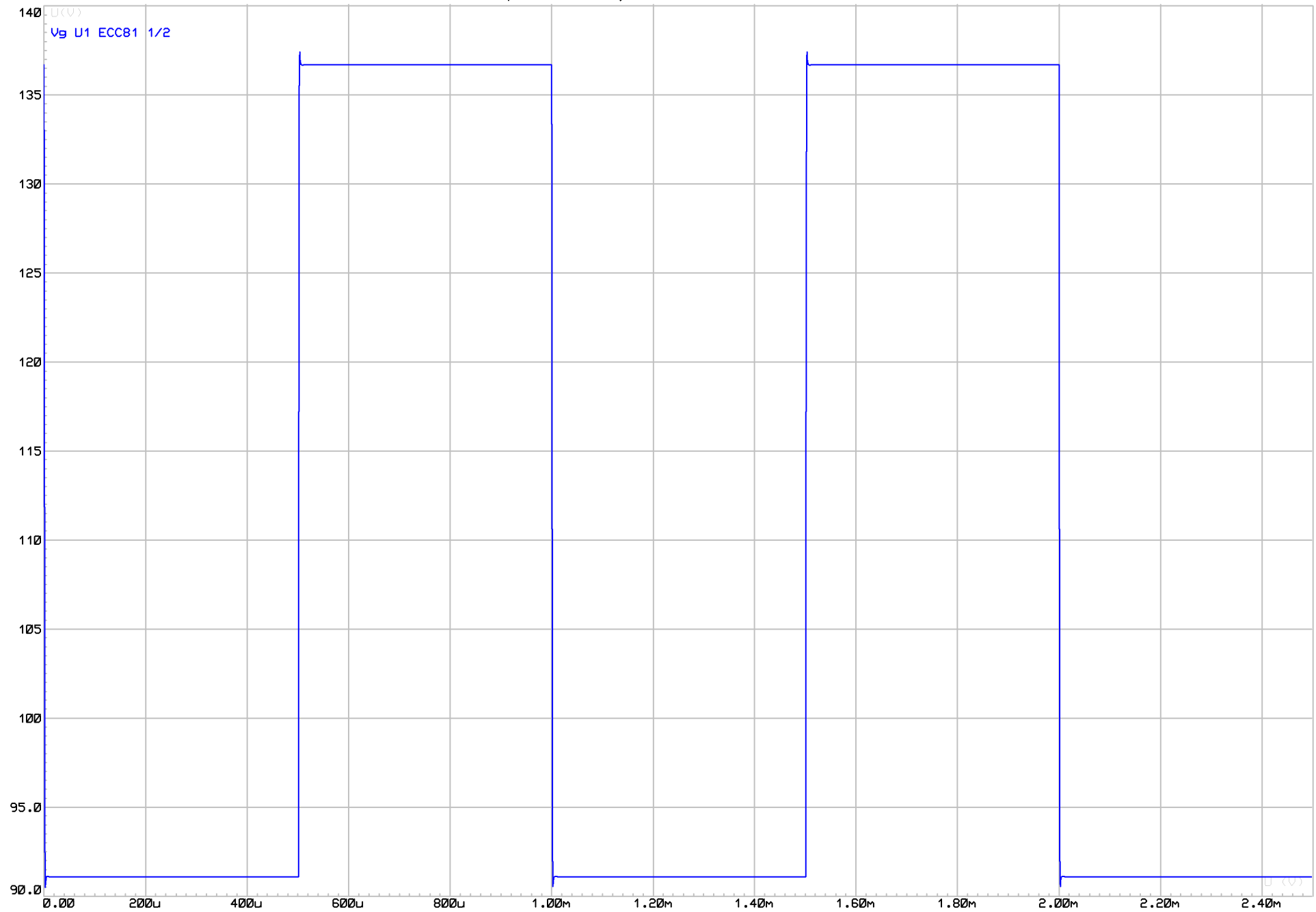


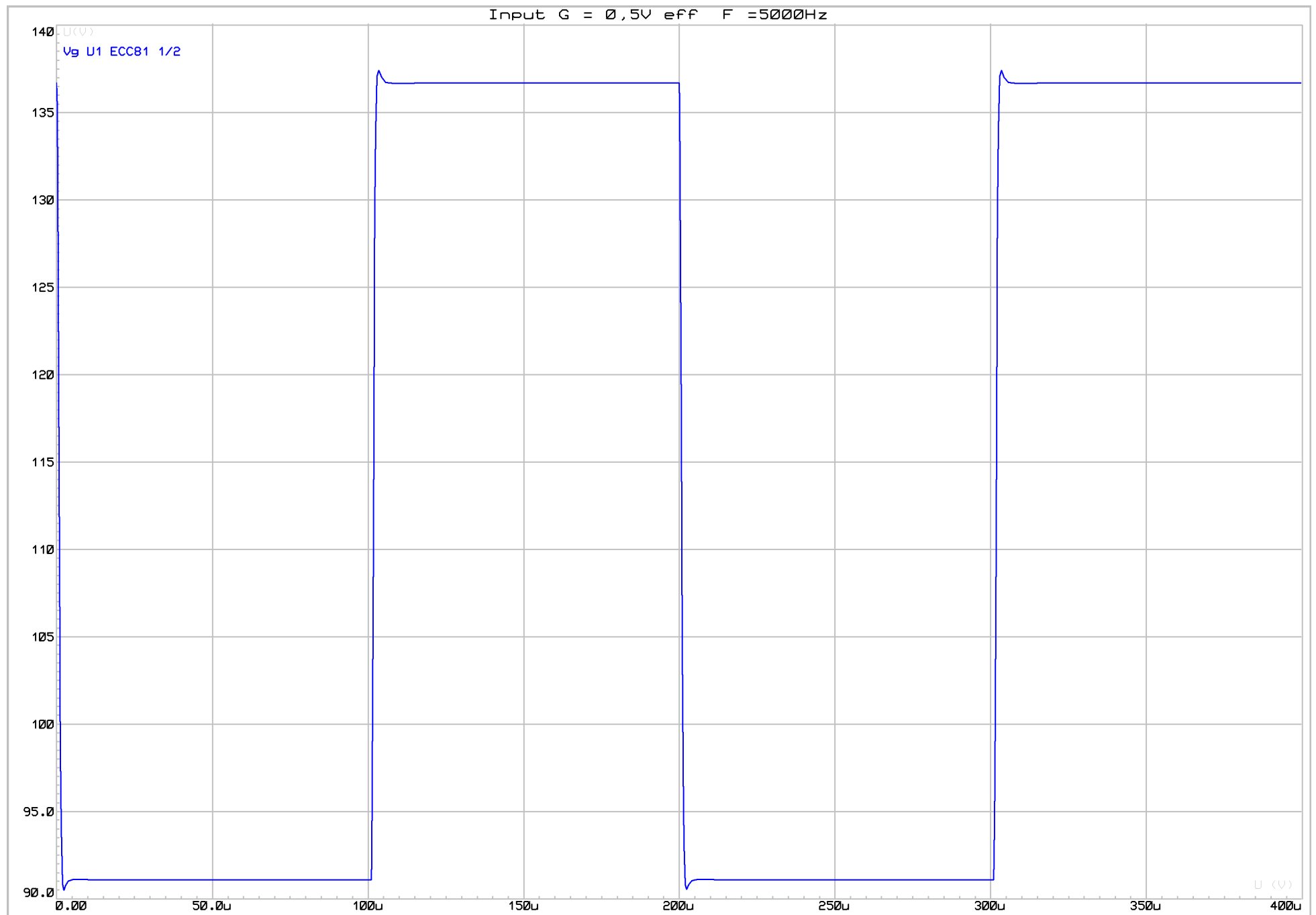
Input G = 0,5V eff F =100Hz

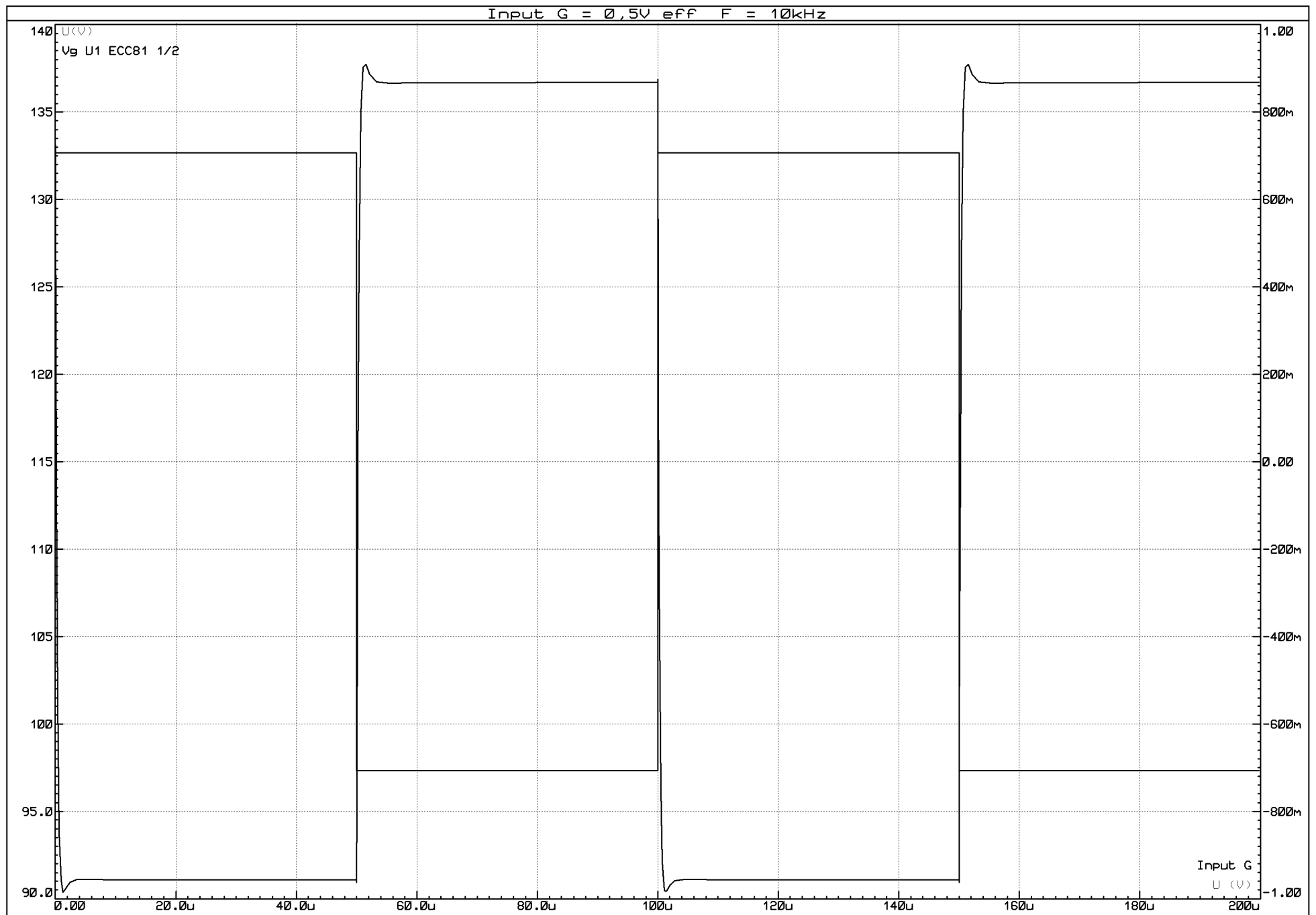


Input G = 0,5V eff F = 1000Hz

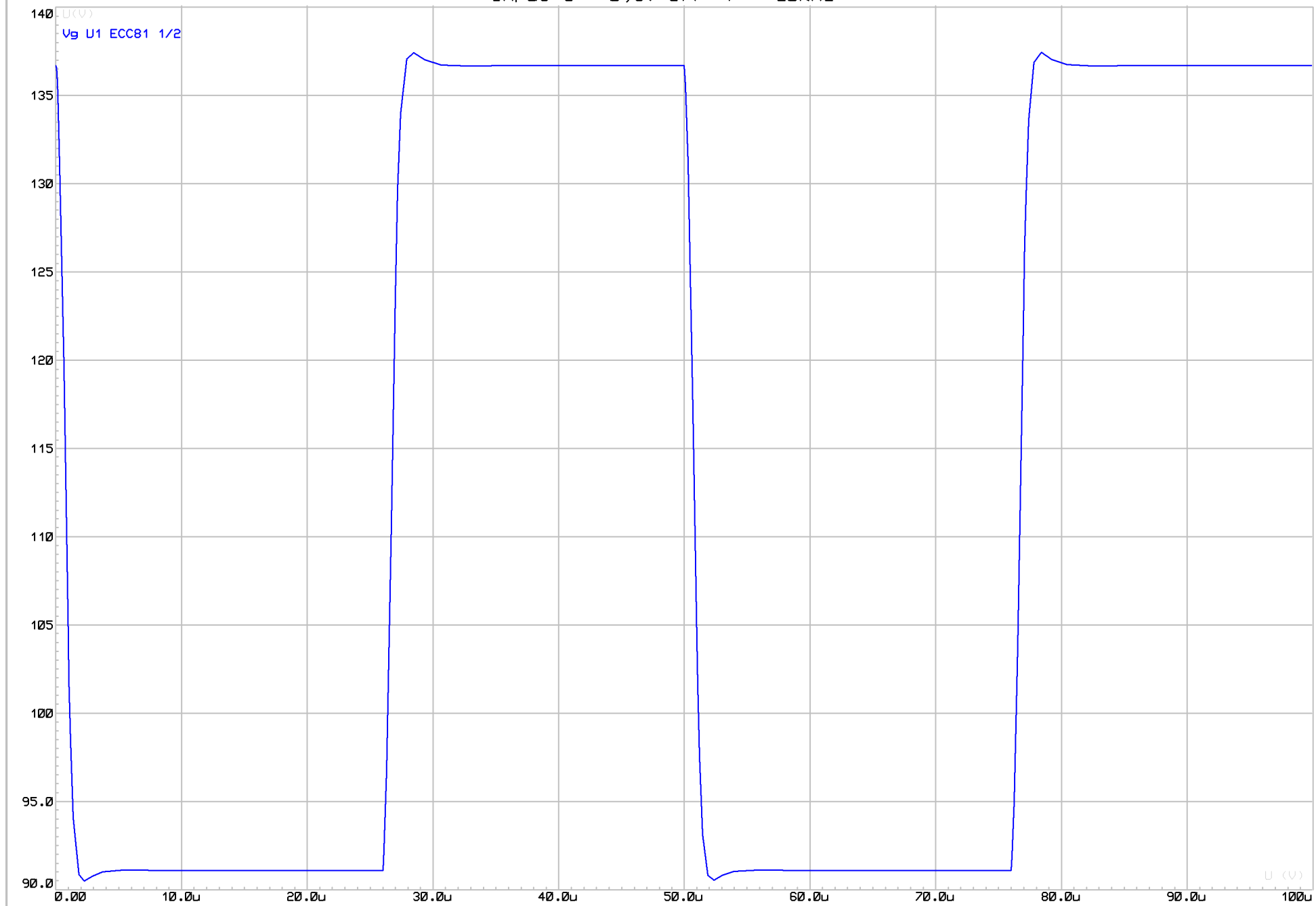
U(V)
Vg U1 ECC81 1/2

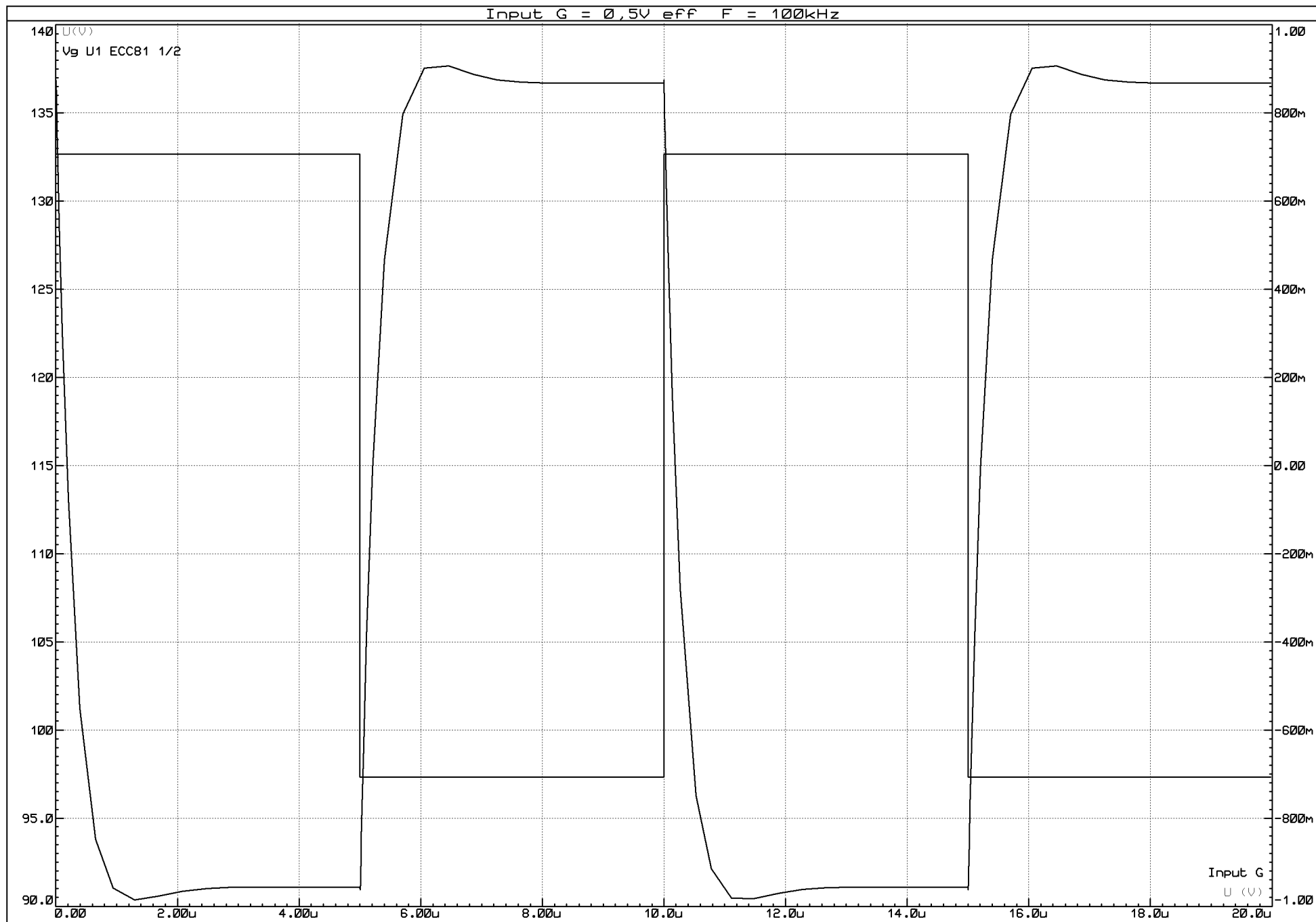






Input G = 0,5V eff F = 20kHz





Input G = 0,5V eff F = 1MHz

