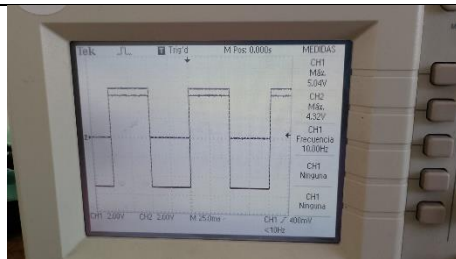
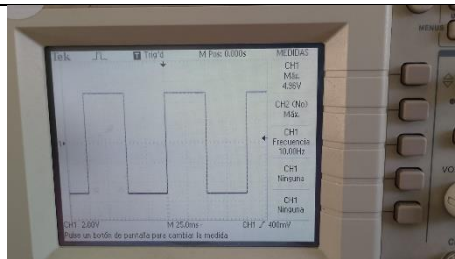


Diodo Rectificador (1N4003)

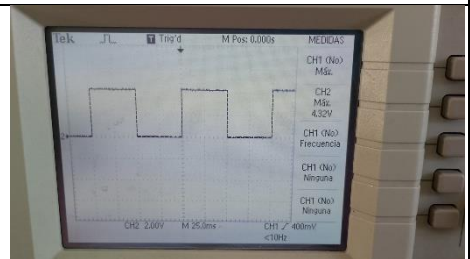
10 Hz



Señales juntas



Señal de entrada



Señal de salida

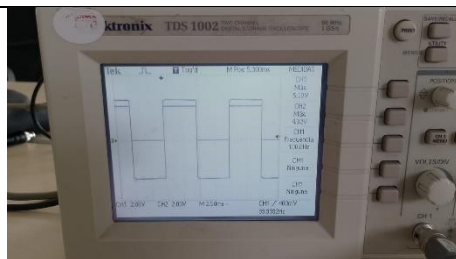
A partir de esta frecuencia es medible el T_{rr}

$T_{rr} = 7.4 \text{ us}$

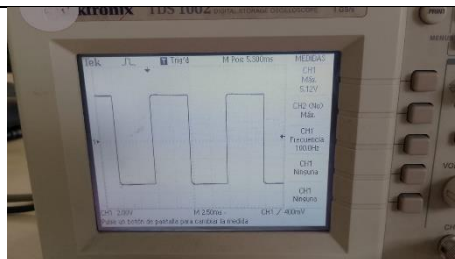
$V_{in} = 5.04 \text{ V}$

$V_{out} = 4.32 \text{ V}$

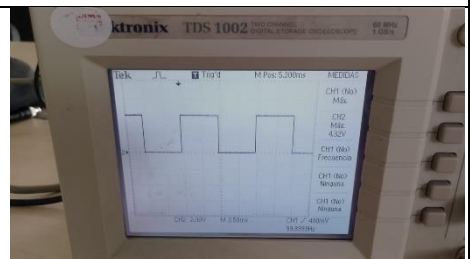
100 Hz



Señales juntas



Señal de entrada



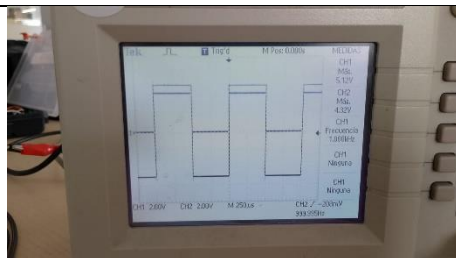
Señal de salida

$T_{rr} = 7 \text{ us}$

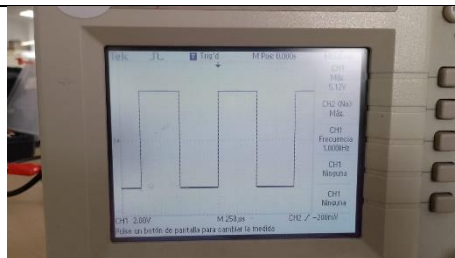
$V_{in} = 5.12 \text{ V}$

$V_{out} = 4.32 \text{ V}$

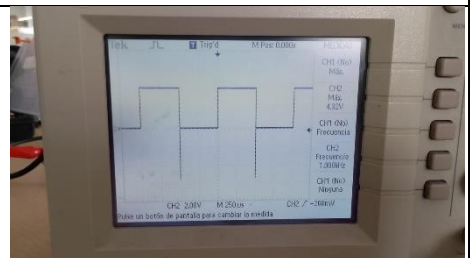
1 KHz



Señales juntas



Señal de entrada



Señal de salida

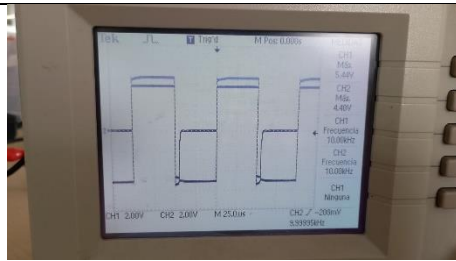
A partir de aquí se nota el efecto del T_{rr} en la señal de salida

$T_{rr} = 7.280 \text{ us}$

$V_{in} = 5.12 \text{ V}$

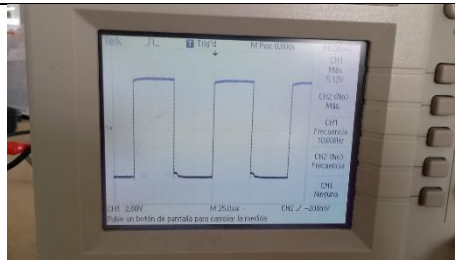
$V_{out} = 4.32 \text{ V}$

10 KHz



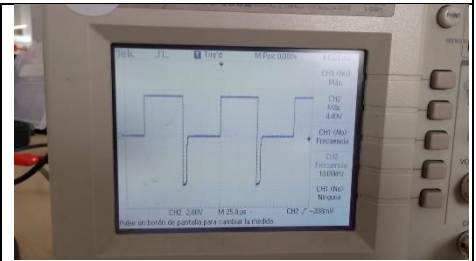
Señales juntas

$T_{rr} = 7.2 \text{ us}$



Señal de entrada

$V_{in} = 5.12 \text{ V}$



Señal de salida

$V_{out} = 4.4 \text{ V}$

Mediciones Extras

25 KHz

$T_{rr} = 7 \text{ us}$

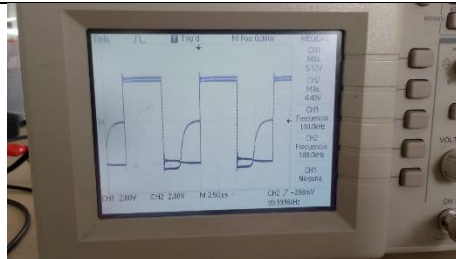
50 KHz

$T_{rr} = 6.56 \text{ us}$

75 KHz

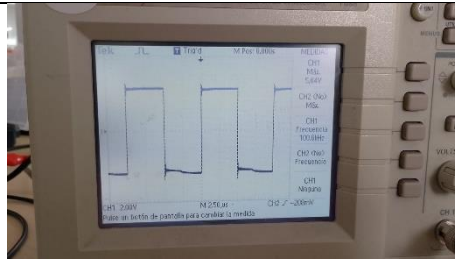
$T_{rr} = 6.04 \text{ us}$

100 KHz



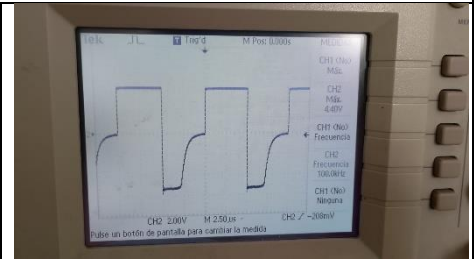
Señales juntas

$T_{rr} = 4.640 \text{ us}$



Señal de entrada

$V_{in} = 5.04 \text{ V}$

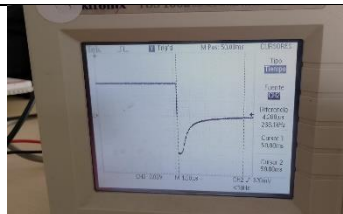


Señal de salida

$V_{out} = 4.4 \text{ V}$

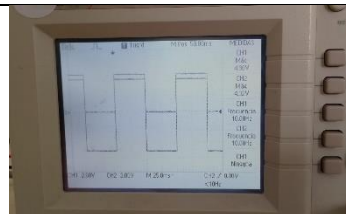
Diodo de respuesta rápida

10 Hz



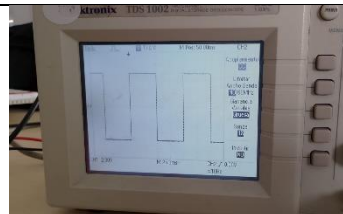
T_{rr}

$T_{rr} = 4.2 \text{ us}$

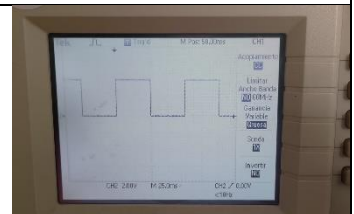


Señales juntas

$V_{in} = 4.96 \text{ V}$



Señal de entrada

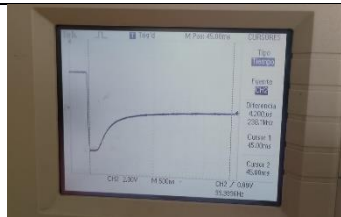


Señal de salida

$V_{out} = 4.32 \text{ V}$

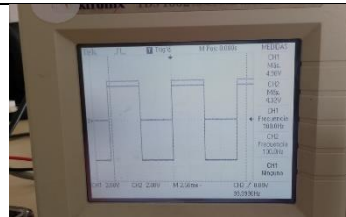
A partir de esta frecuencia es medible el T_{rr}

100 Hz

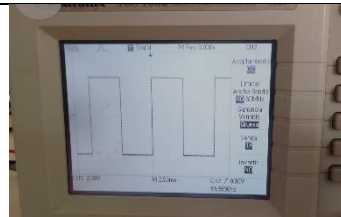


T_{rr}

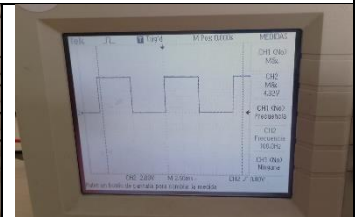
$T_{rr} = 4.2 \text{ us}$



Señales juntas



Señal de entrada

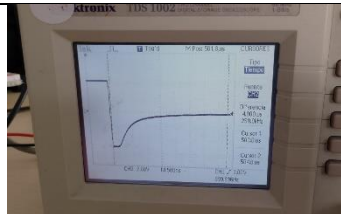


Señal de salida

$V_{in} = 4.96 \text{ V}$

$V_{out} = 4.32 \text{ V}$

1 KHz

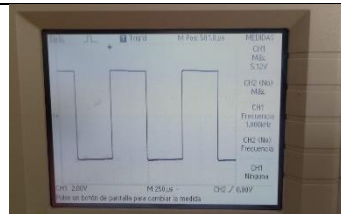


T_{rr}

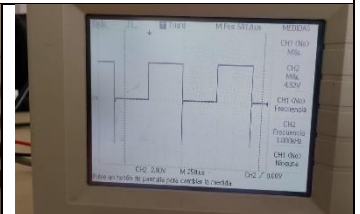
$T_{rr} = 4 \text{ us}$



Señales juntas



Señal de entrada



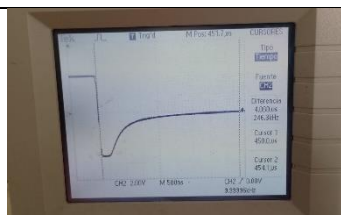
Señal de salida

A partir de aquí es perceptible el T_{rr}

$V_{in} = 5.12 \text{ V}$

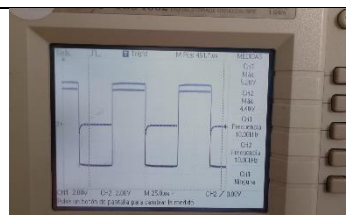
$V_{out} = 4.32 \text{ V}$

10 KHz

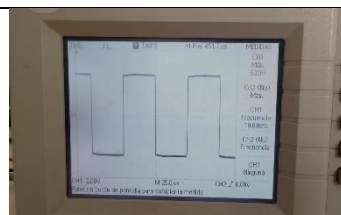


T_{rr}

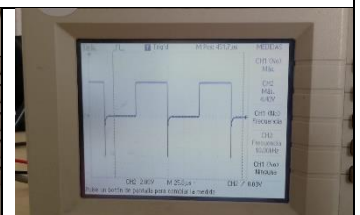
$T_{rr} = 4 \text{ us}$



Señales juntas



Señal de entrada

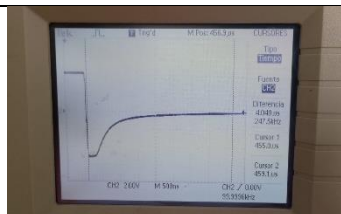


Señal de salida

$V_{in} = 5.12 \text{ V}$

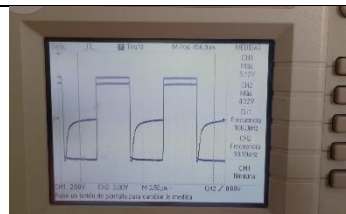
$V_{out} = 4.32 \text{ V}$

100 KHz

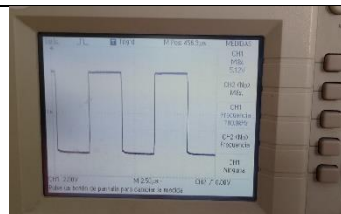


T_{rr}

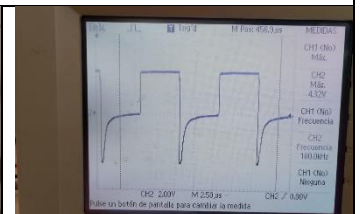
$T_{rr} = 4.04 \text{ us}$



Señales juntas



Señal de entrada

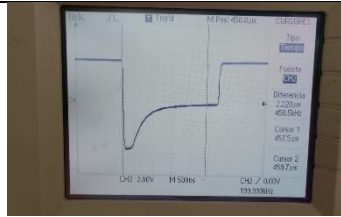


Señal de salida

$V_{in} = 5.12 \text{ V}$

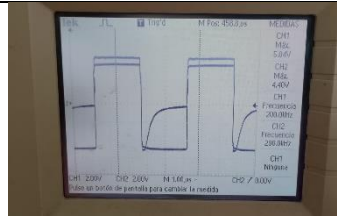
$V_{out} = 4.32 \text{ V}$

200 KHz

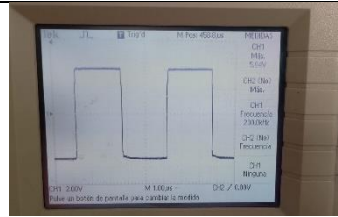


T_{rr}

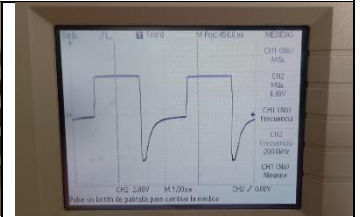
$T_{rr} = 2.16 \text{ us}$



Señales juntas



Señal de entrada



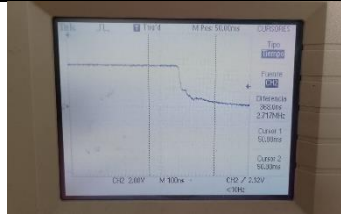
Señal de salida

$V_{in} = 5.04 \text{ V}$

$V_{out} = 4.4 \text{ V}$

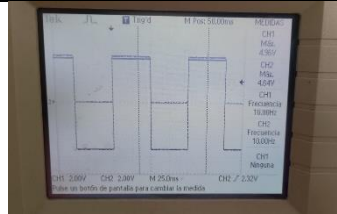
Diodo Schottky

10 Hz

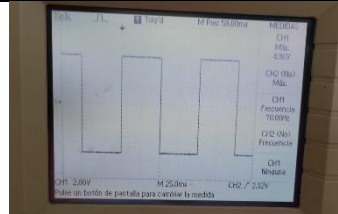


T_{rr}

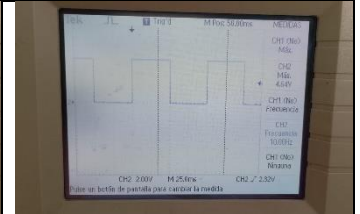
$T_{rr} = \text{N/A}$



Señales juntas



Señal de entrada

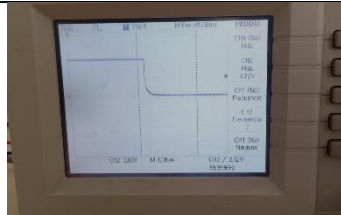


Señal de salida

$V_{in} = 4.96 \text{ V}$

$V_{out} = 4.64 \text{ V}$

100 Hz

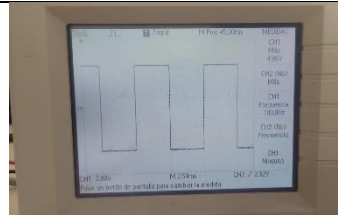


T_{rr}

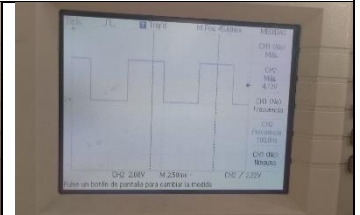
$T_{rr} = \text{N/A}$



Señales juntas



Señal de entrada

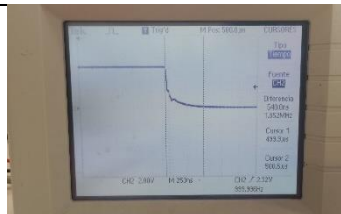


Señal de salida

$V_{in} = 4.96 \text{ V}$

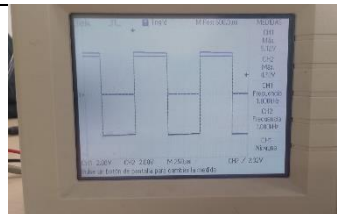
$V_{out} = 4.64 \text{ V}$

1 KHz

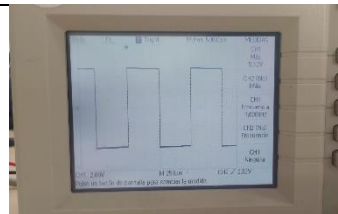


T_{rr}

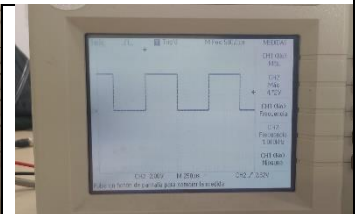
$T_{rr} = \text{N/A}$



Señales juntas



Señal de entrada

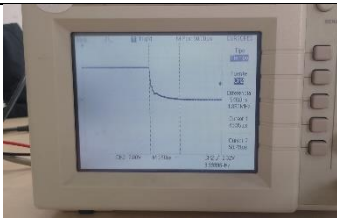


Señal de salida

$V_{in} = 5.12 \text{ V}$

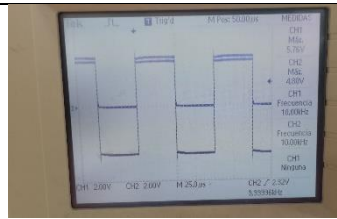
$V_{out} = 4.72 \text{ V}$

10 KHz



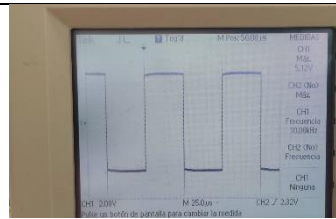
T_{rr}

$T_{rr} = \text{N/A}$

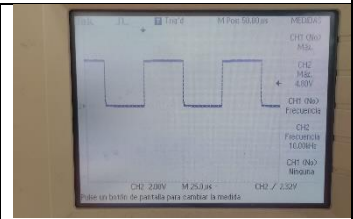


Señales juntas

$V_{in} = 5.12 \text{ V}$



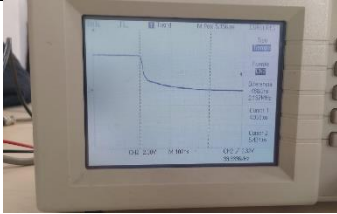
Señal de entrada



Señal de salida

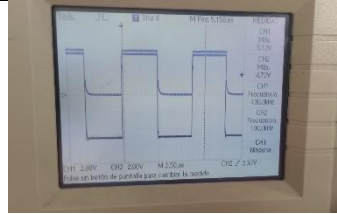
$V_{out} = 4.8 \text{ V}$

100 KHz



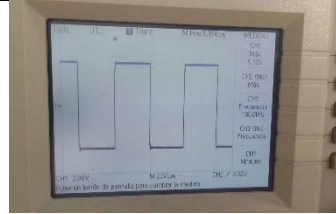
T_{rr}

$T_{rr} = \text{N/A}$

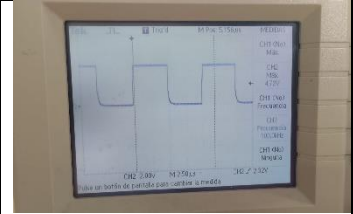


Señales juntas

$V_{in} = 5.12 \text{ V}$



Señal de entrada

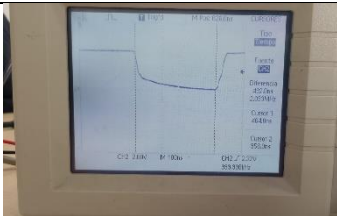


Señal de salida

Se comienza a notar una curva en polarización inversa

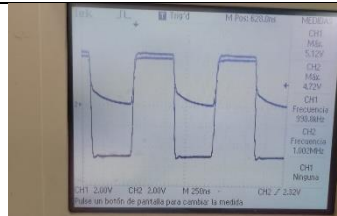
$V_{out} = 4.72 \text{ V}$

1 MHz



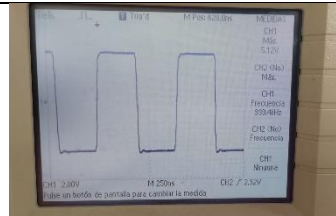
T_{rr}

$T_{rr} = \text{N/A}$

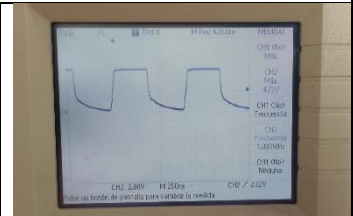


Señales juntas

$V_{in} = 5.12 \text{ V}$



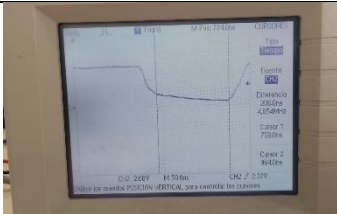
Señal de entrada



Señal de salida

$V_{out} = 4.72 \text{ V}$

2 MHz



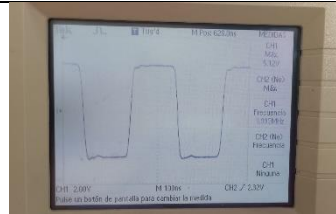
T_{rr}

$T_{rr} = \text{N/A}$

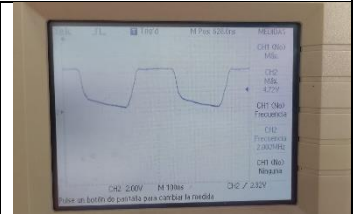


Señales juntas

$V_{in} = 5.12 \text{ V}$



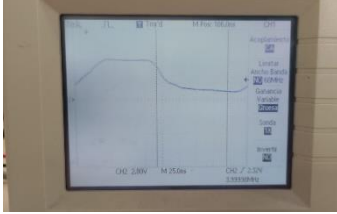
Señal de entrada



Señal de salida

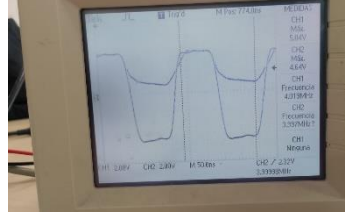
$V_{out} = 4.72 \text{ V}$

4 MHz

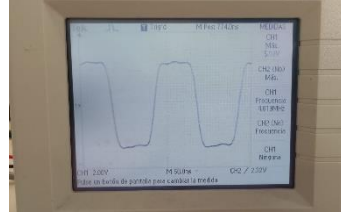


T_{rr}

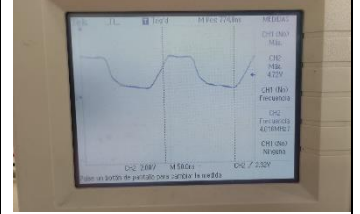
$T_{rr} = \text{N/A}$



Señales juntas



Señal de entrada



Señal de salida

$V_{out} = 4.64 \text{ V}$

$V_{in} = 5.04 \text{ V}$