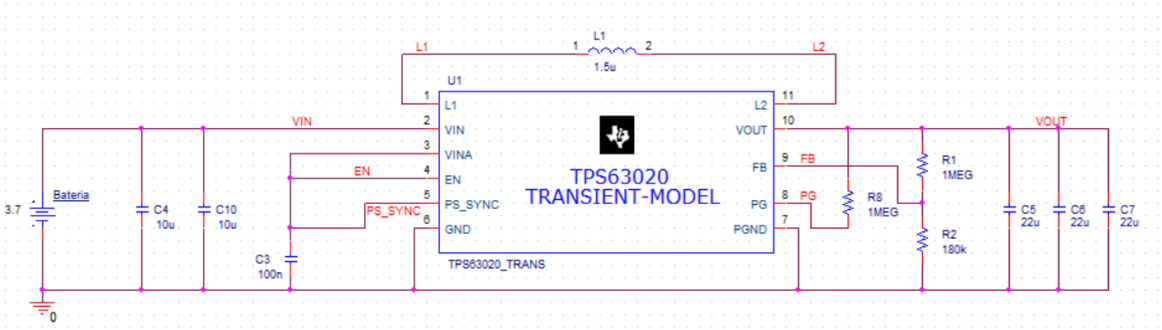
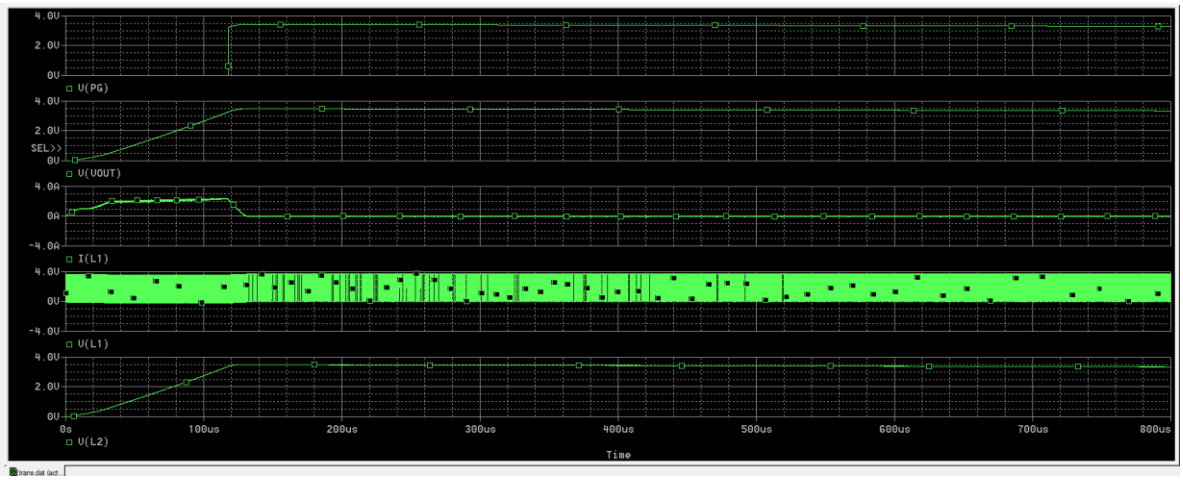
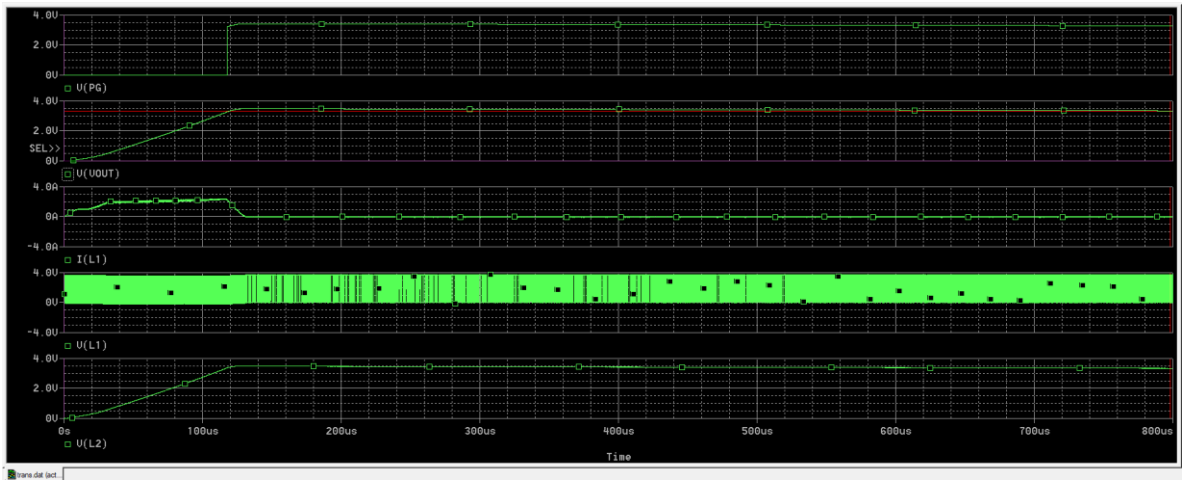
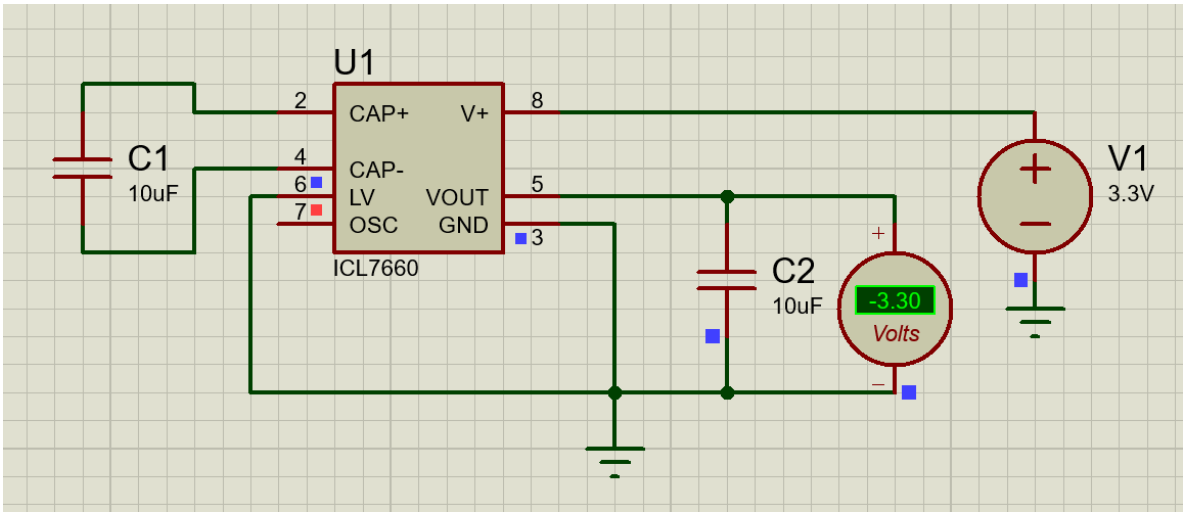

L1
1.5u
U1
TPS63020
TRANSIENT-MODEL
TPS63020_TRANS
L1
VIN
VINA
EN
PS_SYNC
GND
L2
VOUT
FB
PG
PGND
VIN
EN
PS_SYNC
FB
PG
VOUT
Bateria
3.7
C4
10u
C10
10u
C3
100n
R8
1MEG
R1
1MEG
R2
180k
C5
22u
C6
22u
C7
22u
0

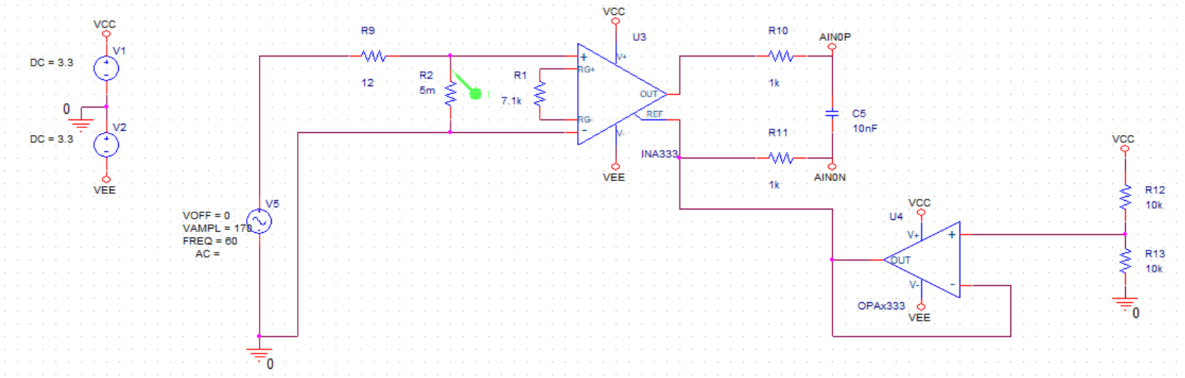

V(PG)
V(VOUT)
I(L1)
V(L1)
V(L2)
SEL>>
0s
100us
200us
300us
400us
500us
600us
700us
800us
Time

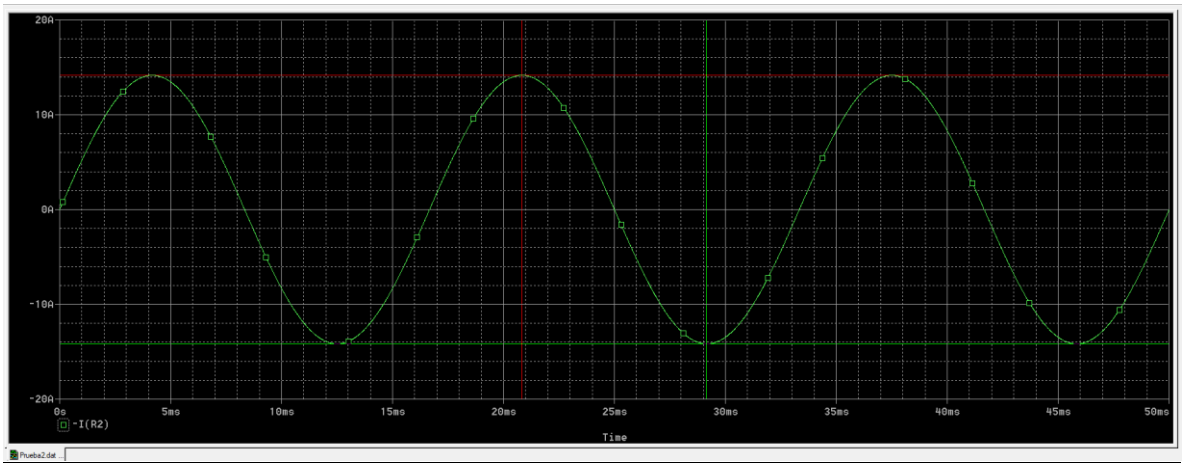

V(PG)
V(VOUT)
I(L1)
V(L1)
V(L2)
SEL>>
0s
100us
200us
300us
400us
500us
600us
700us
800us
Time

	Trace Color	Trace Name	Y1	Y2	Y1 - Y2		Y1(Cursor1) - Y2(Cursor2)		3.3450		
		X Values	798.200u	0.000	798.200u		Y1 - Y1(Cursor1)	Y2 - Y2(Cursor2)	Max Y	Min Y	Avg
		V(L2)	3.3441	129.500n	3.3441		-933.171u	83.957n	3.3441	129.500n	1.6720
		V(L1)	3.7009	129.500n	3.7009		355.931m	83.957n	3.7009	129.500n	1.8505
		I(L1)	-20.734m	1.8500u	-20.736m		-3.3657	1.8045u	1.8500u	-20.734m	-10.36
	CURSOR 1,2	V(VOUT)	3.3450	45.543n	3.3450		0.000	0.000	3.3450	45.543n	1.6725
		V(PG)	3.2853	181.446p	3.2853		-59.732m	-45.362n	3.2853	181.446p	1.6426

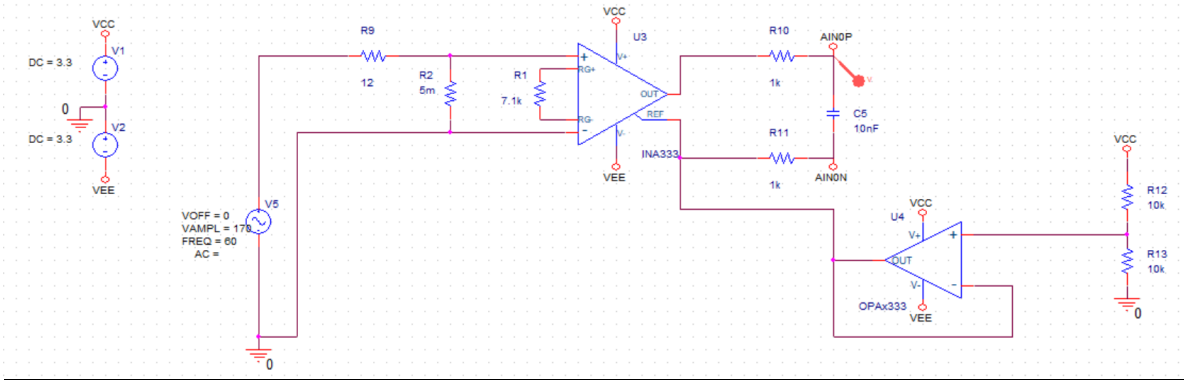


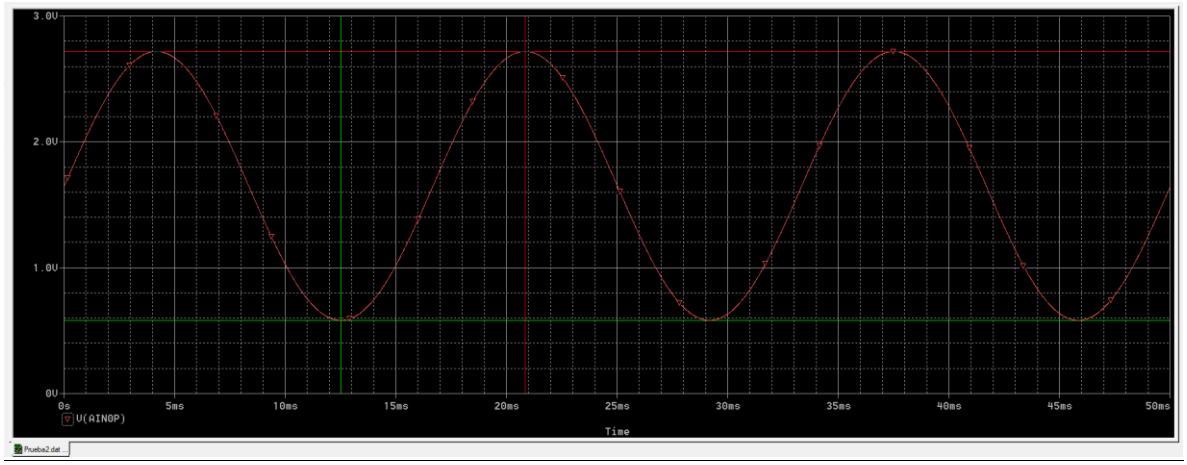
Para corriente de 10 Arms:





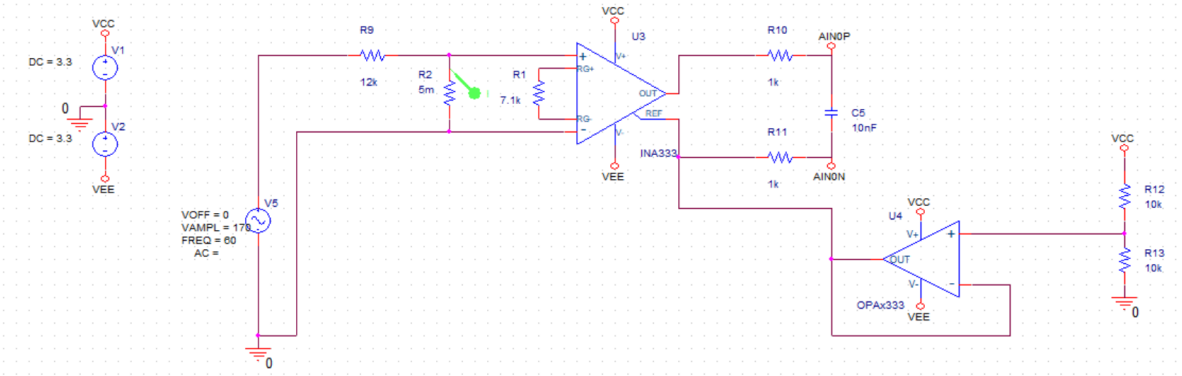
	Trace Color	Trace Name	Y1	Y2	Y1 - Y2		Y1(Cursor1) - Y2(Cursor2)		28.322		
		X Values	20.831m	29.162m	-8.3305m		Y1 - Y1(Cursor1)	Y2 - Y2(Cursor2)	Max Y	Min Y	Avg Y
	CURSOR 1,2	-I(R2)	14.161	-14.161	28.322		0.000	0.000	14.161	-14.161	10.490u

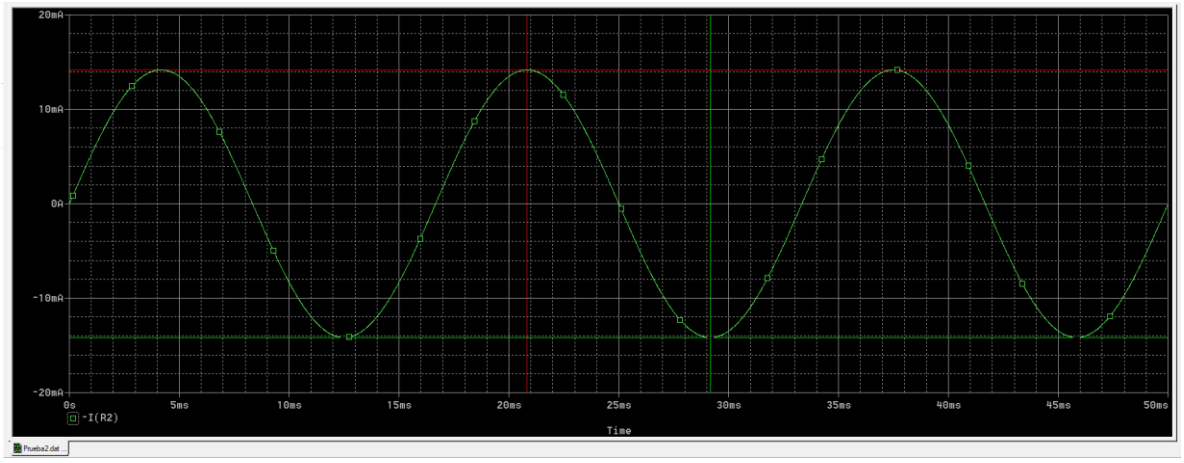




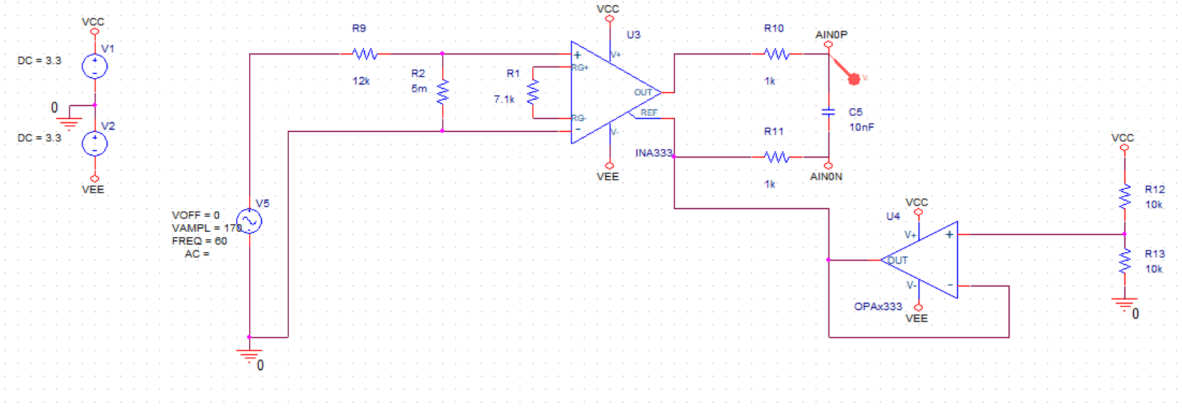
	Trace Color	Trace Name	Y1	Y2	Y1 - Y2		Y1(Cursor1) - Y2(Cursor2)		2.1360		
		X Values	20.838m	12.528m	8.3105m		Y1 - Y1(Cursor1)	Y2 - Y2(Cursor2)	Max Y	Min Y	Avg Y
	CURSOR 1,2	V(AIN0P)	2.7182	582.113m	2.1360		0.000	0.000	2.7182	582.113m	1.6501

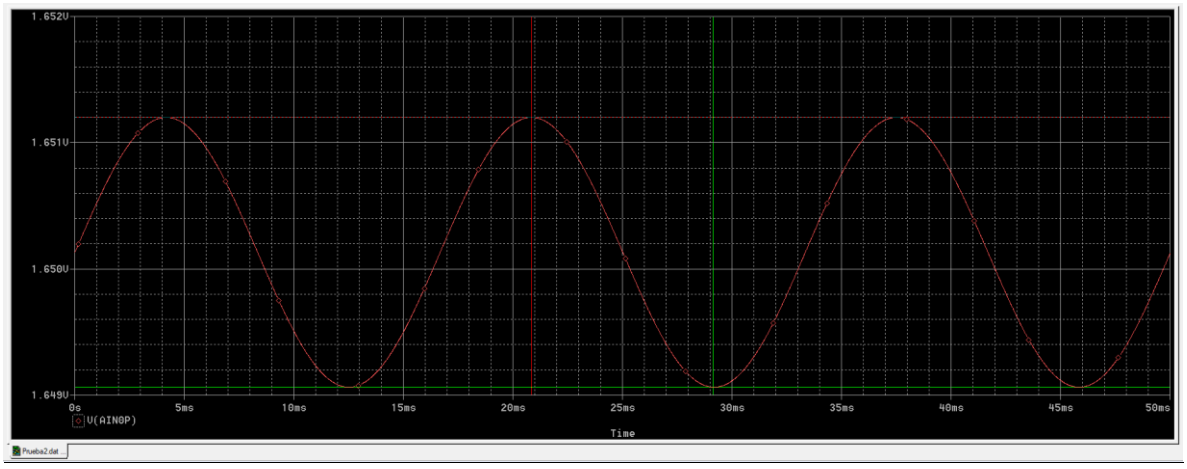
Para corriente de 10 mArms:





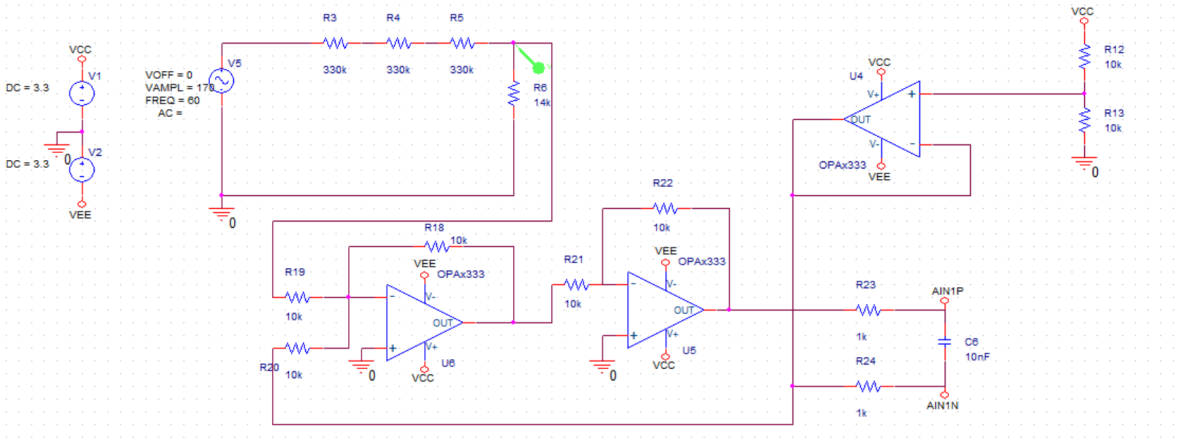
	Trace Color	Trace Name	Y1	Y2	Y1 - Y2		Y1(Cursor1) - Y2(Cursor2)		28.333m		
		X Values	20.838m	29.165m	-8.3272m		Y1 - Y1(Cursor1)	Y2 - Y2(Cursor2)	Max Y	Min Y	Avg Y
	CURSOR 1,2	-I(R2)	14.167m	-14.167m	28.333m		0.000	0.000	14.167m	-14.167m	-10.245

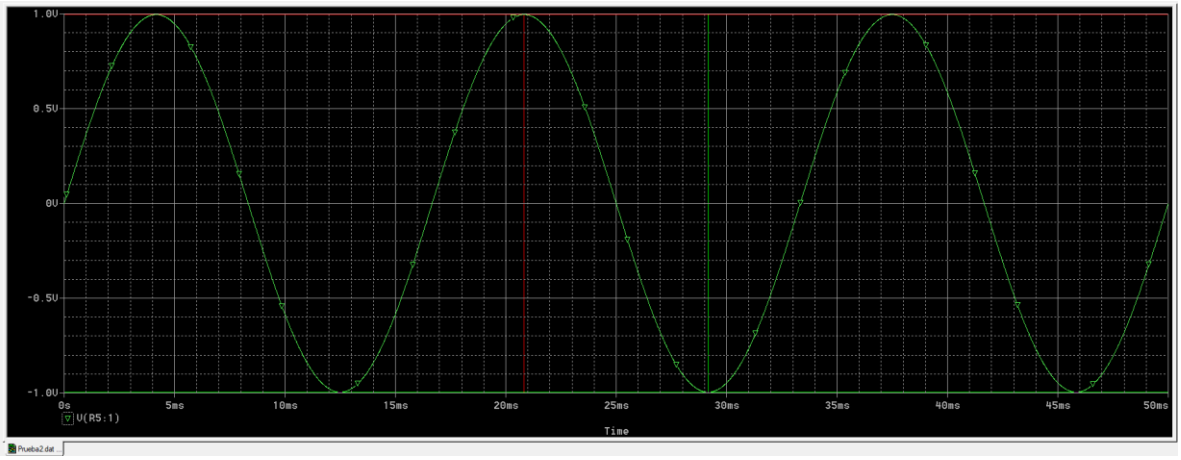




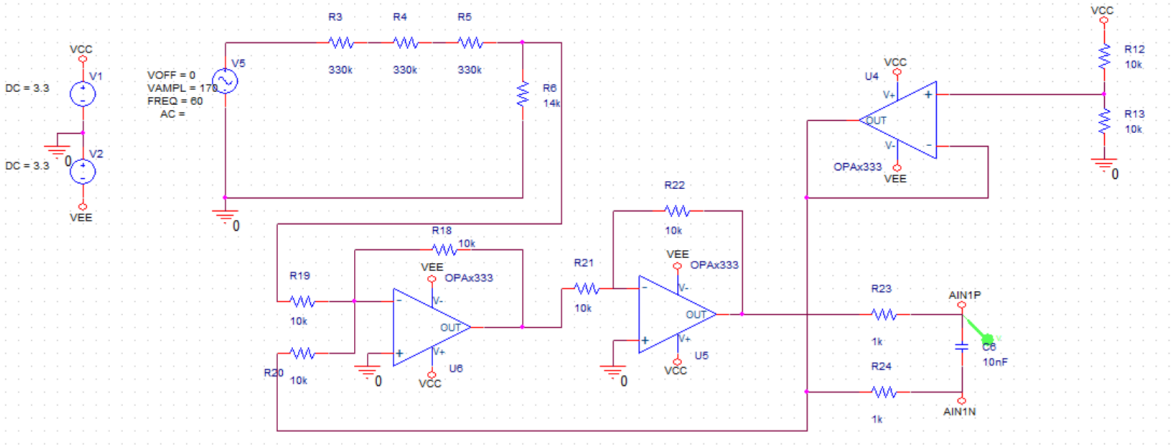
	Trace Color	Trace Name	Y1	Y2	Y1 - Y2		Y1(Cursor1) - Y2(Cursor2)		2.1369m		
		X Values	20.844m	29.155m	-8.3105m		Y1 - Y1(Cursor1)	Y2 - Y2(Cursor2)	Max Y	Min Y	Avg Y
	CURSOR 1,2	V(AIN0P)	1.6512	1.6491	2.1369m		0.000	0.000	1.6512	1.6491	1.6501

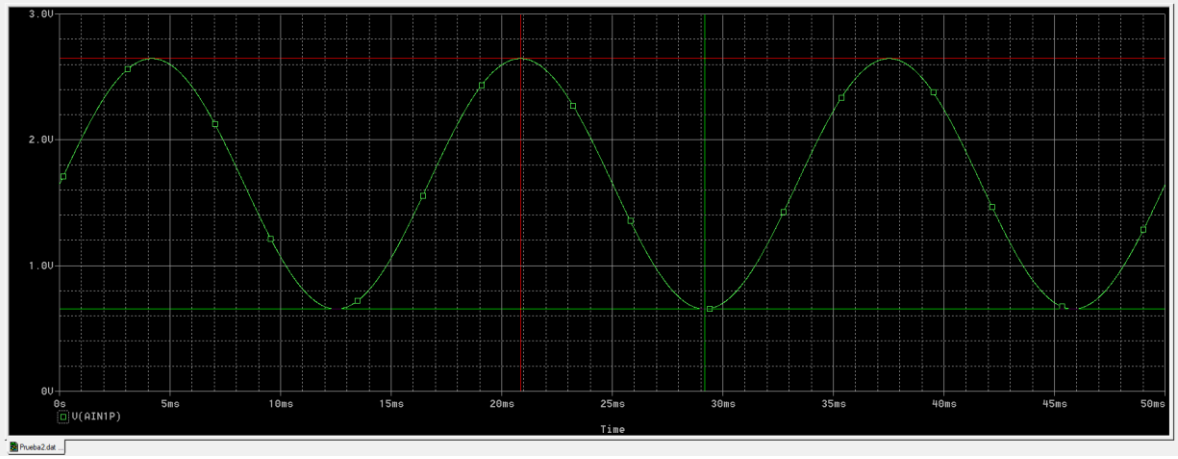
Para la tensión de 120 Vrms:





	Trace Color	Trace Name	Y1	Y2	Y1 - Y2		Y1(Cursor1) - Y2(Cursor2)		1.9916		
		X Values	20.828m	29.169m	-8.3405m		Y1 - Y1(Cursor1)	Y2 - Y2(Cursor2)	Max Y	Min Y	Avg Y
	CURSOR 1,2	V(R5:1)	0.9958	-0.9958	1.9916		0.000	0.000	0.9958	-0.9958	1.8179u





	Trace Color	Trace Name	Y1	Y2	Y1 - Y2		Y1(Cursor1) - Y2(Cursor2)		1.9916		
		X Values	20.847m	29.178m	-8.3305m		Y1 - Y1(Cursor1)	Y2 - Y2(Cursor2)	Max Y	Min Y	Avg Y
	CURSOR 1,2	V(AIN1P)	2.6458	654.206m	1.9916		0.000	0.000	2.6458	654.206m	1.6500