

UNIVERSIDAD NACIONAL AUTÓNOMA DE MÉXICO

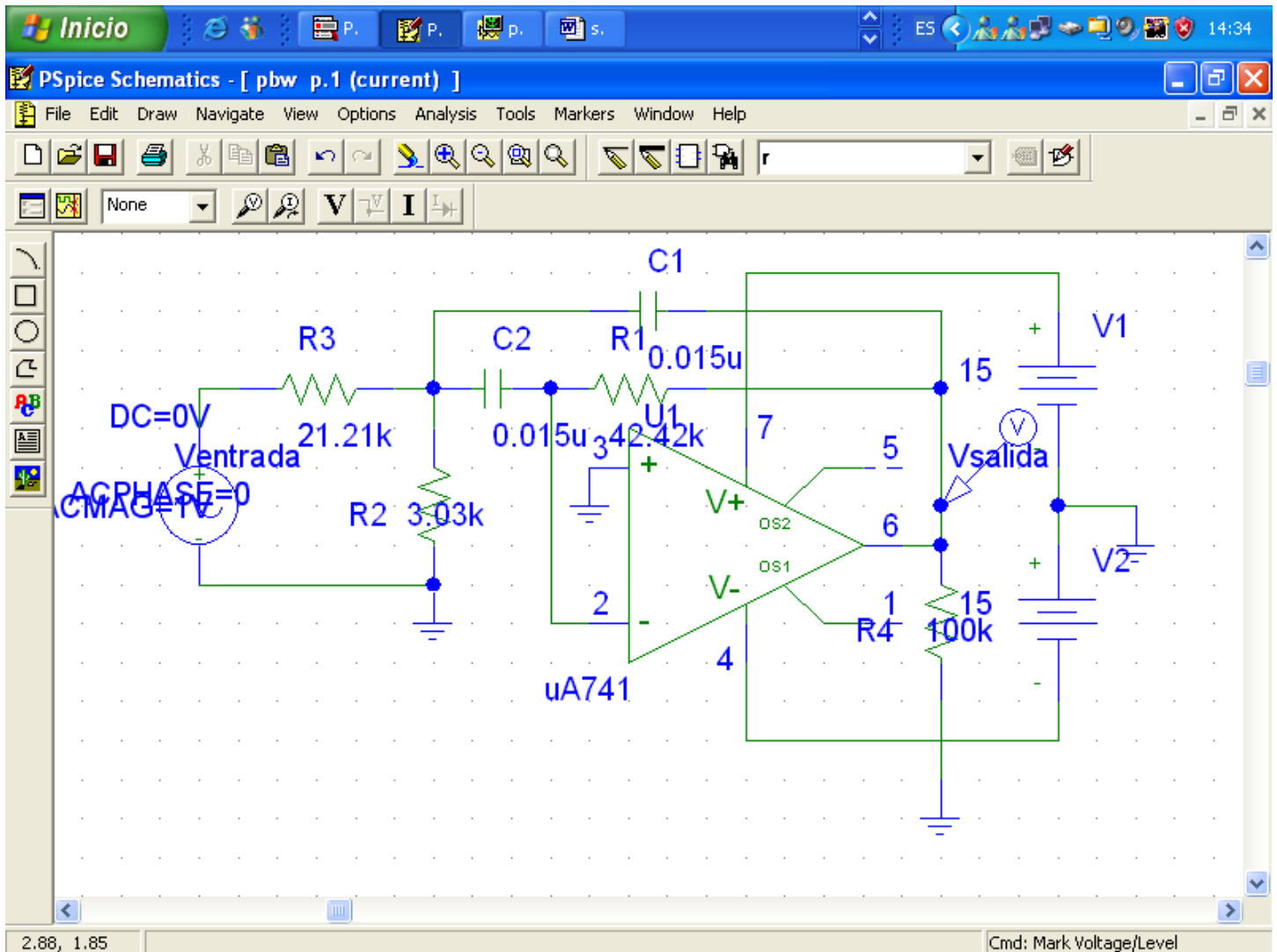


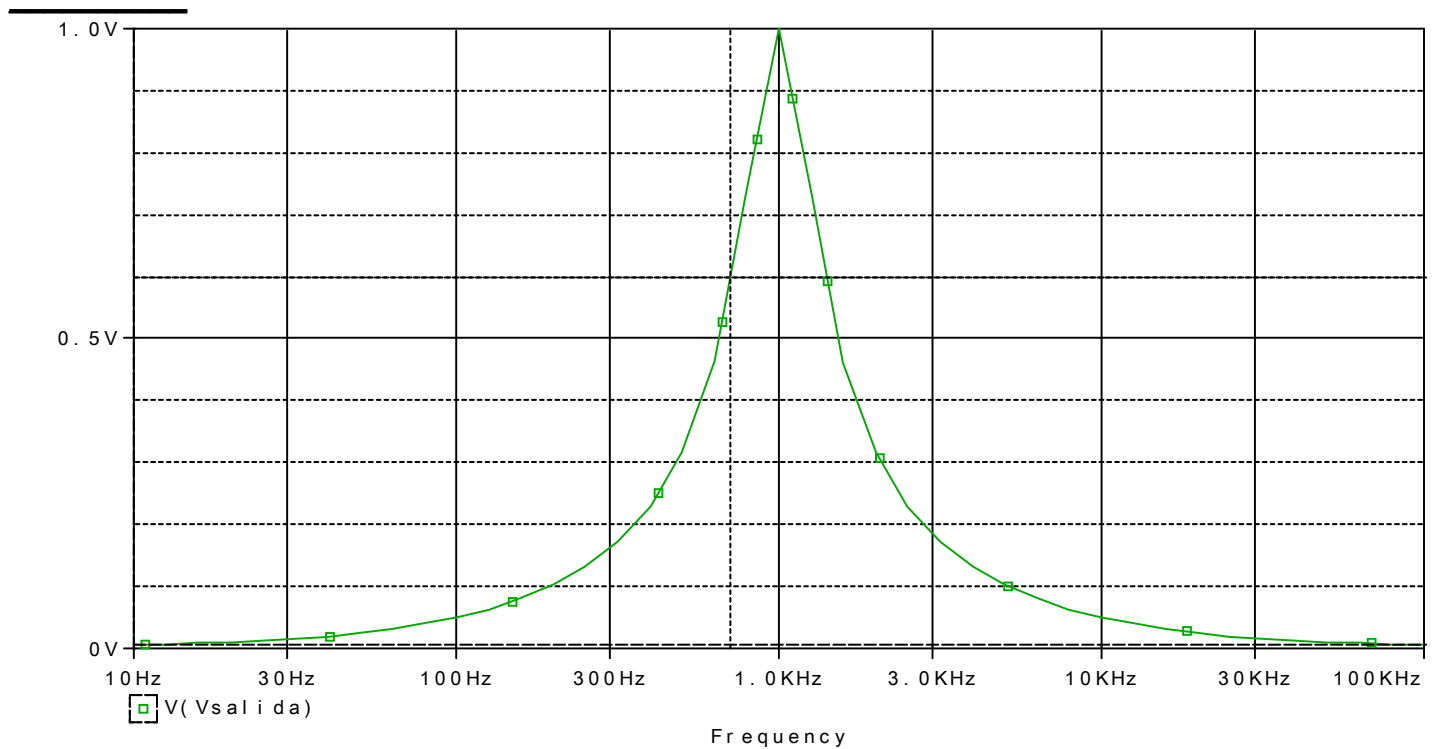
EQUIPO:

ASIGNATURA:

GRUPO:

11 de octubre de 2005 . Ciudad Universitaria. México





Instrucciones de simulación: PSPICE

U741
VAC
VDC
R
C
GLOBAL
AGND

VAC magnitud y fase

ACPHASE → 0 save attr
ACMAG → 1V save attr
 → Change display
 → both name and value

rango de frecuencias

ANALYSIS → SETUP → ENABLE → AC SWEEP
Open AC SWEEP → DECADE
 → pts/decade → 10
 → star freq → 10
 → end freq → 100 k

ANALYSIS → SIMULATE

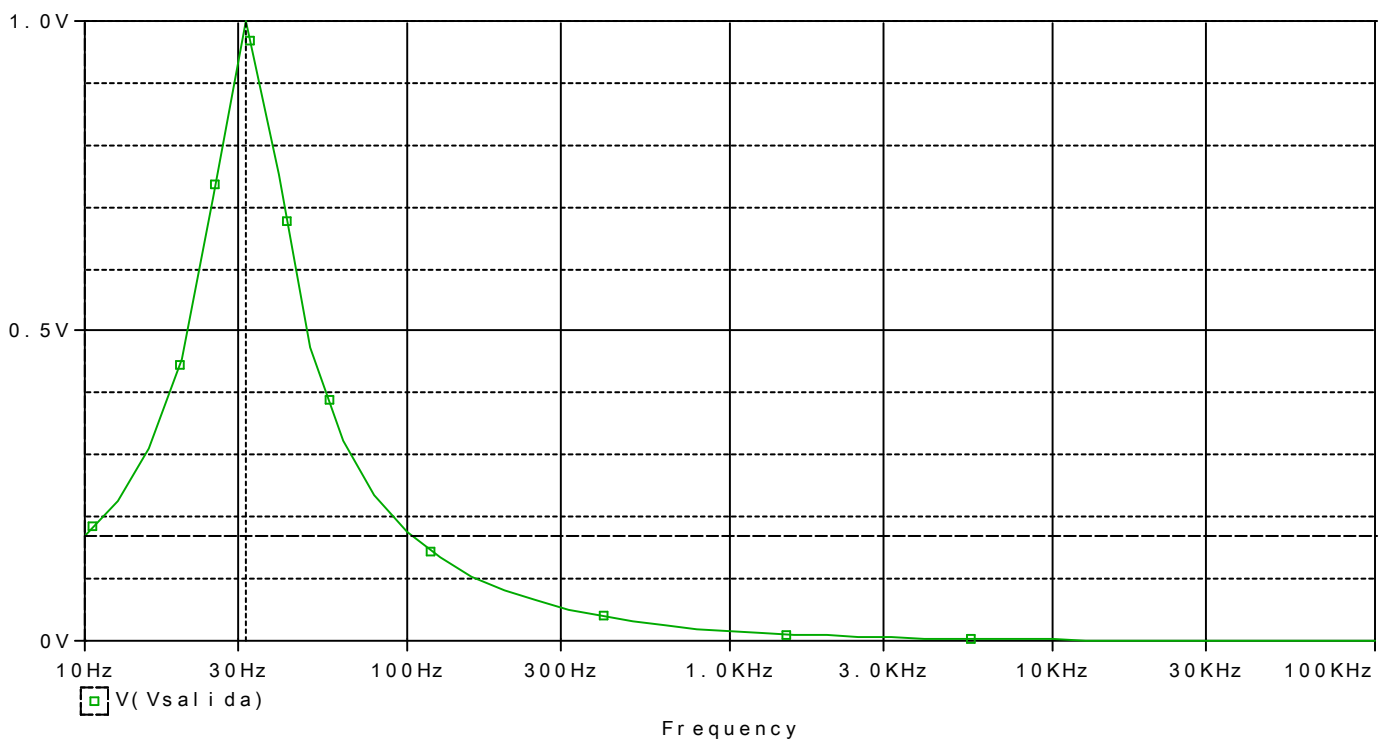
Plot → Y axis settings → scale → log

Trace → add → Vo

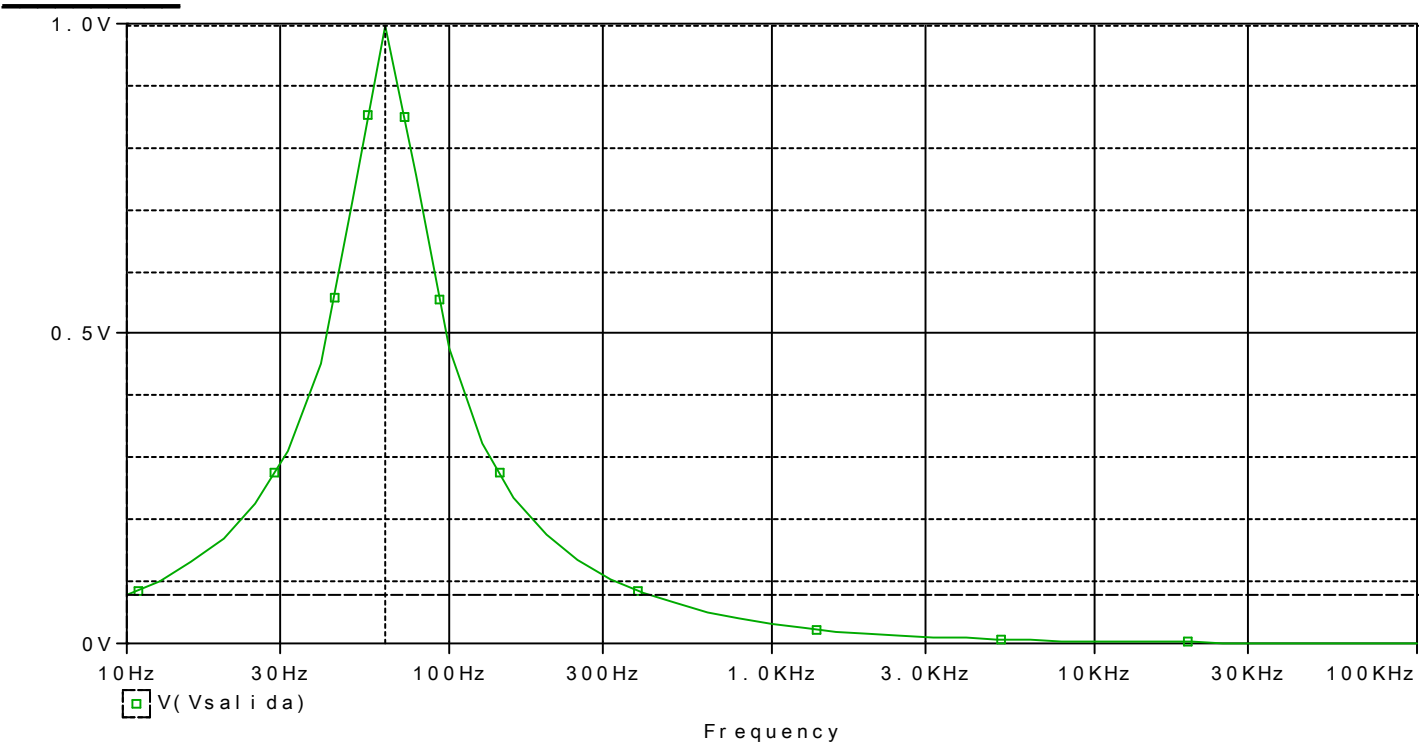
fr [Hz]	Q	B [Hz]	C [F]	R	2R feedback [ohms]	Rr [ohms]
32	2	16	0.00000001500	662916.6667	1325833.3333	94702.3810
64	2	32	0.00000001500	331458.3333	662916.6667	47351.1905
128	2	64	0.00000001500	165729.1667	331458.3333	23675.5952
250	2	125	0.00000001500	84853.3333	169706.6667	12121.9048
500	2	250	0.00000001500	42426.6667	84853.3333	6060.9524
1000	2	500	0.00000001500	21213.3333	42426.6667	3030.4762
2000	2	1000	0.00000001500	10606.6667	21213.3333	1515.2381
4000	2	2000	0.00000001500	5303.3333	10606.6667	757.6190
80000	2	40000	0.00000001500	265.1667	530.3333	37.8810
16000	2	8000	0.00000001500	1325.8333	2651.6667	189.4048

SIMULACIONES A VALORES TEORICOS:

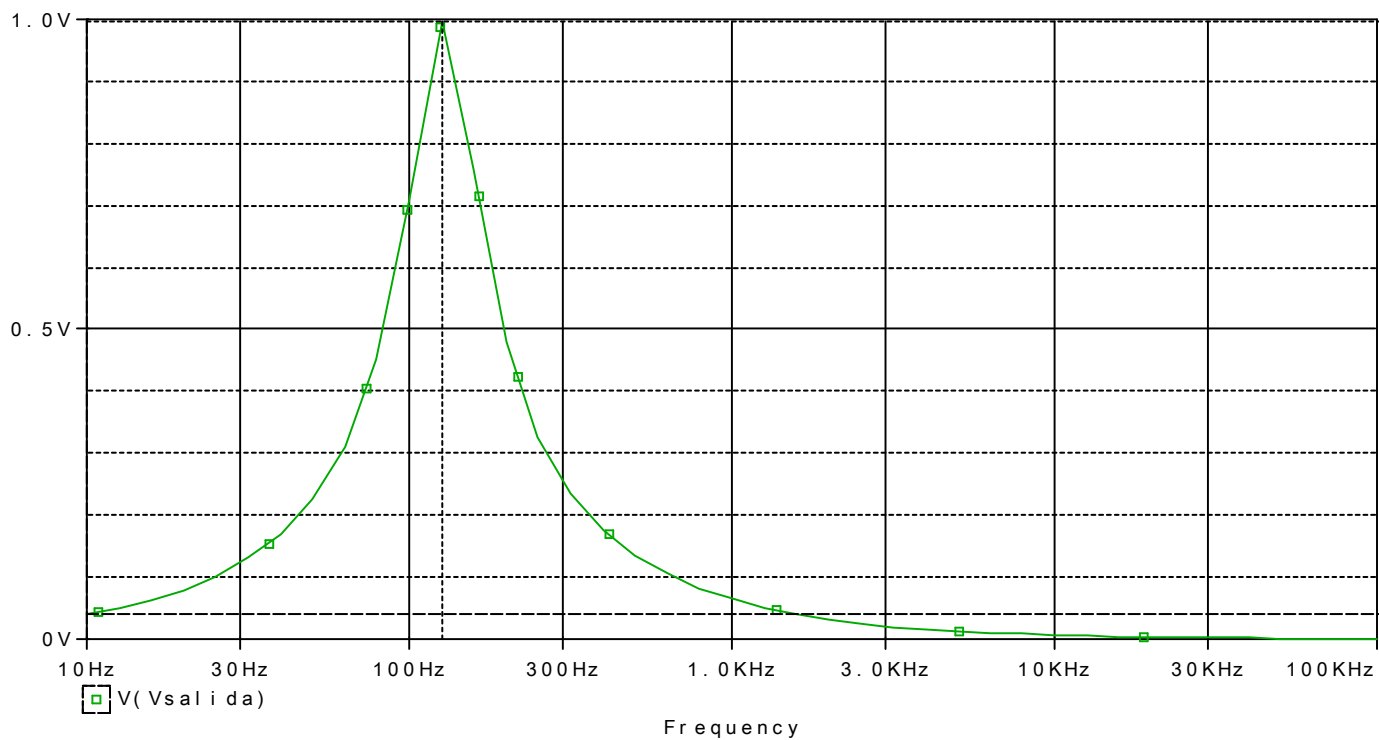
FILTRO DE 32



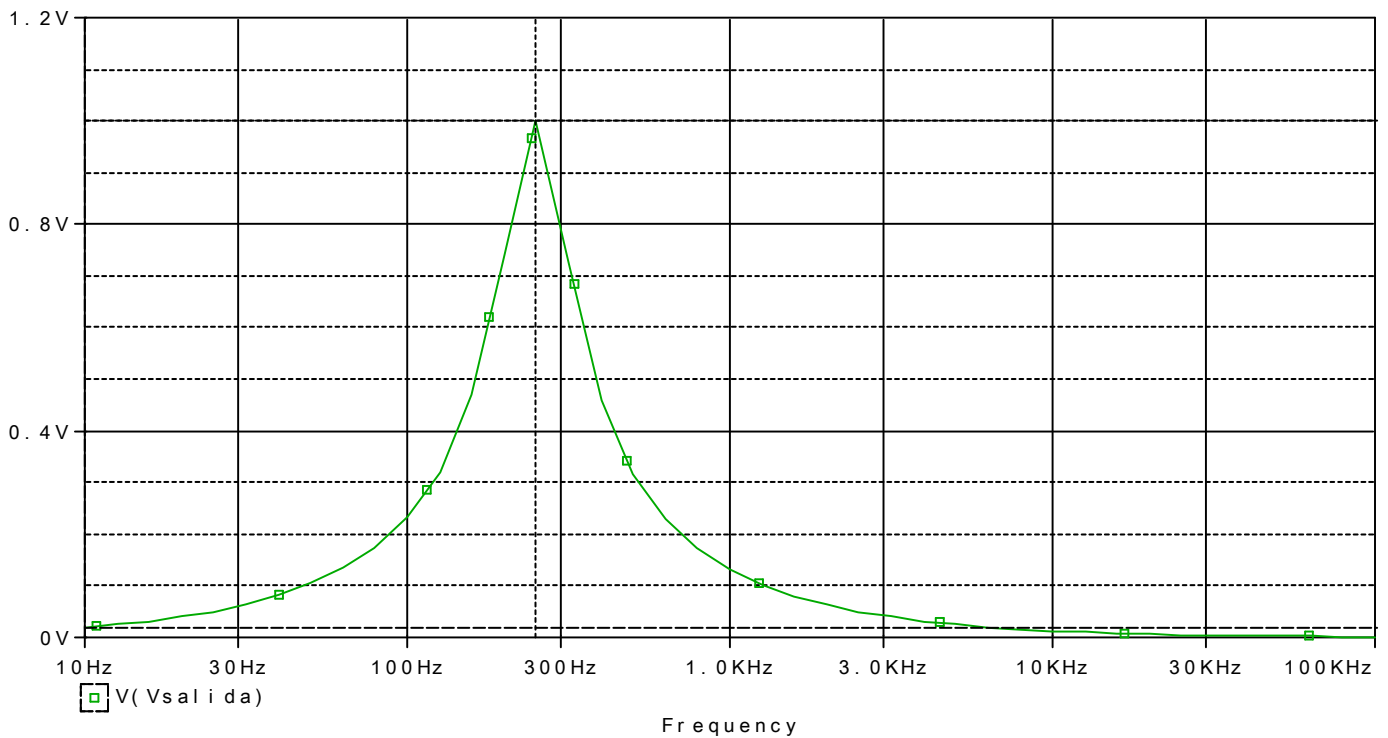
FILTRO DE 64



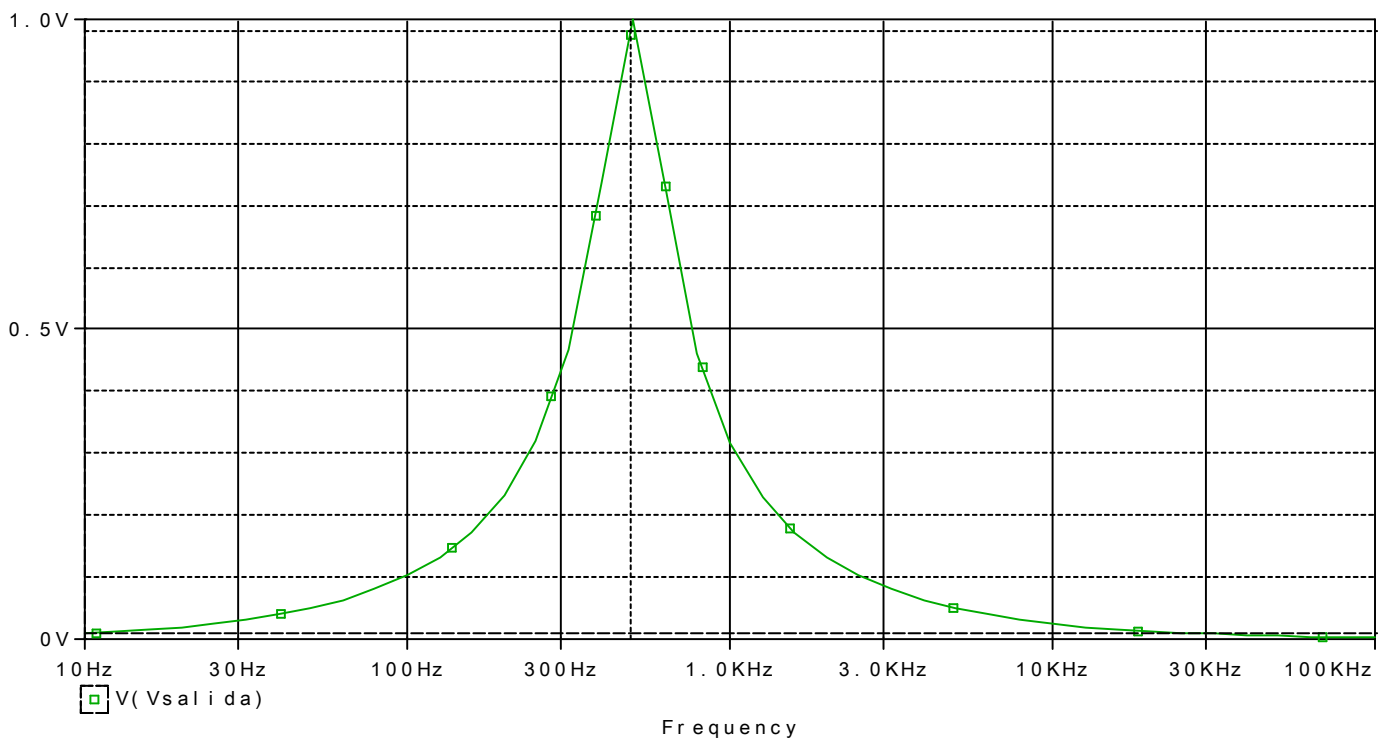
FILTRO DE 128



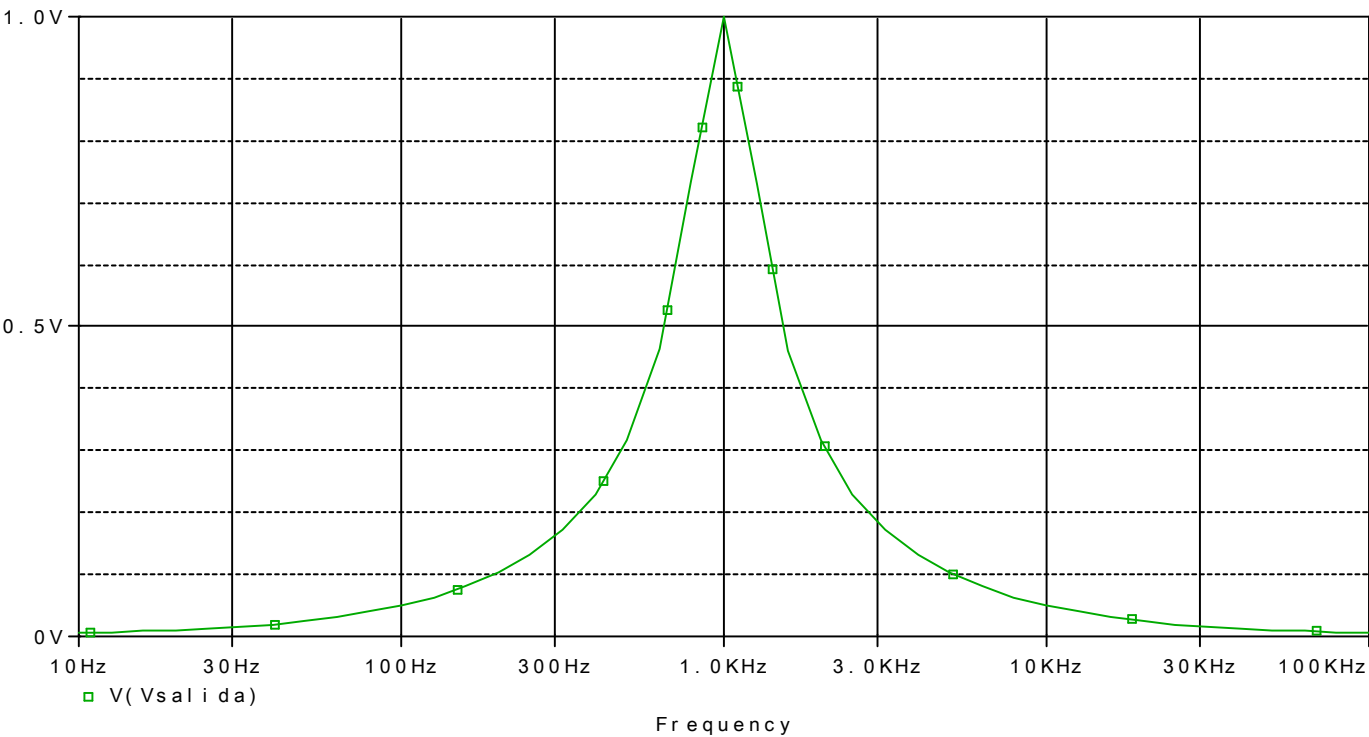
FILTRO DE 250



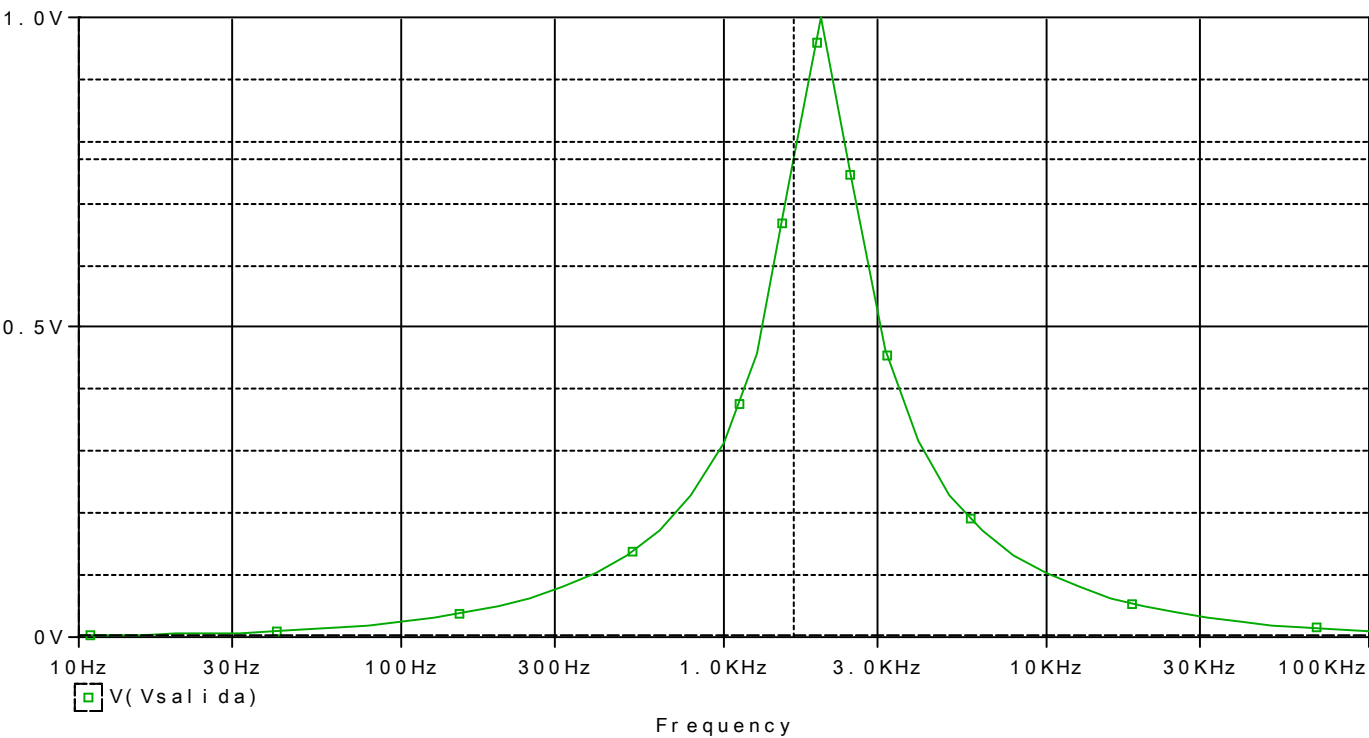
FILTRO DE 500



FILTRO DE 1000



FILTRO DE 2000



FILTRO DE 4000

FILTRO DE 8000